

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090466.D
 Acq On : 8 Oct 2016 4:36
 Operator : UM/SJ
 Sample : H5120-02MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Quant Time: Oct 08 05:01:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	225359	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	971602	20.00	ng	-0.01
38) Acenaphthene-d10	10.04	164	507392	20.00	ng	-0.01
63) Phenanthrene-d10	11.53	188	827981	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	566812	20.00	ng	-0.02
86) Perylene-d12	15.68	264	390588	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	768922	50.92	ng	-0.01
7) Phenol-d6	6.61	99	662821	33.52	ng	-0.01
23) Nitrobenzene-d5	7.55	82	1639911	82.10	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	719094	174.29	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	2519184	82.72	ng	-0.02
78) Terphenyl-d14	13.13	244	2537841	100.66	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.71	88	106637	14.33	ng	# 87
3) Pyridine	3.48	79	272648	13.14	ng	# 82
4) n-Nitrosodimethylamine	3.41	42	129076	15.07	ng	# 55
6) Aniline	6.65	93	609320	22.30	ng	99
8) 2-Chlorophenol	6.77	128	523635	31.51	ng	93
9) Benzaldehyde	6.53	77	316290	31.64	ng	99
10) Phenol	6.63	94	294053	12.79	ng	79
11) bis(2-Chloroethyl)ether	6.71	93	647750	36.79	ng	92
12) 1,3-Dichlorobenzene	6.93	146	649690	39.22	ng	99
13) 1,4-Dichlorobenzene	7.00	146	618209	36.75	ng	97
14) 1,2-Dichlorobenzene	7.16	146	641715	39.59	ng	98
15) Benzyl Alcohol	7.13	79	418820	27.86	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.26	45	997107	33.40	ng	90
17) 2-Methylphenol	7.25	107	384420	28.13	ng	97
18) Hexachloroethane	7.50	117	229846	34.65	ng	93
19) n-Nitroso-di-n-propylamine	7.40	70	543259	37.46	ng	# 83
20) 3+4-Methylphenols	7.40	107	451564	25.53	ng	# 54
22) Acetophenone	7.40	105	1022923	44.45	ng	# 90
24) Nitrobenzene	7.57	77	808175	40.76	ng	98
25) Isophorone	7.81	82	1496747	40.99	ng	99
26) 2-Nitrophenol	7.89	139	378618	44.36	ng	92
27) 2,4-Dimethylphenol	7.93	122	548203	33.03	ng	95
28) bis(2-Chloroethoxy)methane	8.02	93	905737	41.94	ng	# 96
29) 2,4-Dichlorophenol	8.13	162	473871	37.55	ng	86
30) 1,2,4-Trichlorobenzene	8.22	180	553611	42.57	ng	94
31) Naphthalene	8.30	128	2022003	43.14	ng	99
32) Benzoic acid	8.01	122	96815	8.39	ng	97
33) 4-Chloroaniline	8.35	127	540500	27.90	ng	# 89
34) Hexachlorobutadiene	8.42	225	277143	38.14	ng	100
35) Caprolactam	8.71	113	26436	6.23	ng	92
36) 4-Chloro-3-methylphenol	8.83	107	608382	38.50	ng	95
37) 2-Methylnaphthalene	8.99	142	1263034	44.51	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.16	216	603120	45.09	ng	98
40) Hexachlorocyclopentadiene	9.15	237	461827	62.98	ng	99

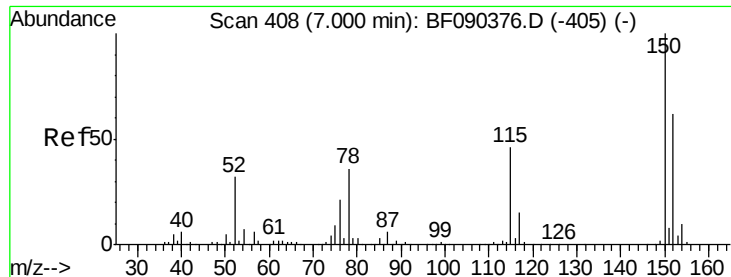
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
 Data File : BF090466.D
 Acq On : 8 Oct 2016 4:36
 Operator : UM/SJ
 Sample : H5120-02MS
 Misc :
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Instrument :
 BNA_F
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Quant Time: Oct 08 05:01:31 2016
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.27	196	447202	48.45	ng	100
43) 2,4,5-Trichlorophenol	9.31	196	384890	44.10	ng	95
45) 1,1'-Biphenyl	9.46	154	1499529	39.88	ng	96
46) 2-Chloronaphthalene	9.48	162	1266425	45.59	ng	98
47) 2-Nitroaniline	9.58	65	506581	46.22	ng	# 72
48) Acenaphthylene	9.90	152	1936261	42.24	ng	100
49) Dimethylphthalate	9.77	163	1724188	53.06	ng	99
50) 2,6-Dinitrotoluene	9.82	165	379418	52.59	ng	# 81
51) Acenaphthene	10.07	154	1299143	45.46	ng	97
52) 3-Nitroaniline	9.99	138	244476	29.01	ng	# 76
53) 2,4-Dinitrophenol	10.10	184	269144	83.67	ng	# 87
54) Dibenzofuran	10.25	168	1702507	46.02	ng	93
55) 4-Nitrophenol	10.15	139	208742	28.31	ng	# 76
56) 2,4-Dinitrotoluene	10.22	165	442837	46.12	ng	# 40
57) Fluorene	10.59	166	1330128	42.79	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.36	232	319623	49.03	ng	# 87
59) Diethylphthalate	10.46	149	1594419	47.42	ng	95
60) 4-Chlorophenyl-phenylether	10.58	204	654988	46.34	ng	90
61) 4-Nitroaniline	10.61	138	392686	46.25	ng	89
62) Azobenzene	10.74	77	1819763	46.86	ng	89
64) 4,6-Dinitro-2-methylphenol	10.63	198	195947	36.52	ng	# 64
65) n-Nitrosodiphenylamine	10.70	169	1326554	47.81	ng	98
66) 4-Bromophenyl-phenylether	11.08	248	413554	50.95	ng	# 78
67) Hexachlorobenzene	11.14	284	430709	47.65	ng	# 76
68) Atrazine	11.23	200	347030	50.72	ng	99
69) Pentachlorophenol	11.33	266	499368	92.82	ng	99
70) Phenanthrene	11.56	178	2222816	52.43	ng	99
71) Anthracene	11.61	178	1933170	44.65	ng	99
72) Carbazole	11.77	167	2023251	50.30	ng	97
73) Di-n-butylphthalate	12.10	149	2342623	47.85	ng	# 95
74) Fluoranthene	12.75	202	2038594	49.02	ng	97
76) Benzidine	12.86	184	588468	39.49	ng	100
77) Pyrene	12.98	202	1921906	50.85	ng	100
79) Butylbenzylphthalate	13.60	149	982824	50.68	ng	87
80) Benzo(a)anthracene	14.17	228	1540953	48.45	ng	99
81) 3,3'-Dichlorobenzidine	14.13	252	365497	31.70	ng	# 99
82) Chrysene	14.21	228	1404170	47.98	ng	98
83) Bis(2-ethylhexyl)phthalate	14.16	149	1272135	46.15	ng	# 98
84) Di-n-octyl phthalate	14.77	149	1813204	44.37	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.18	276	1100339	52.73	ng	95
87) Benzo(b)fluoranthene	15.24	252	1263281	50.78	ng	98
88) Benzo(k)fluoranthene	15.24	252	1263281	54.05	ng	# 94
89) Benzo(a)pyrene	15.62	252	1085370	50.61	ng	98
90) Dibenzo(a,h)anthracene	17.21	278	947213	51.92	ng	# 95
91) Benzo(g,h,i)perylene	17.64	276	880806	50.31	ng	# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

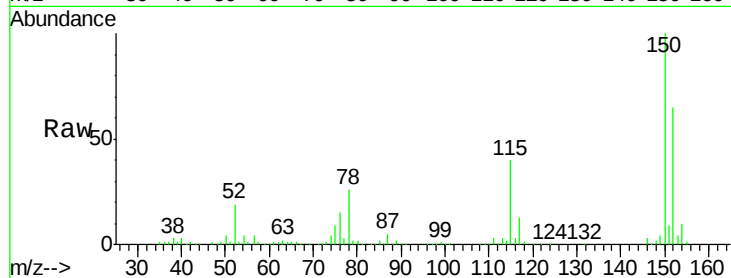


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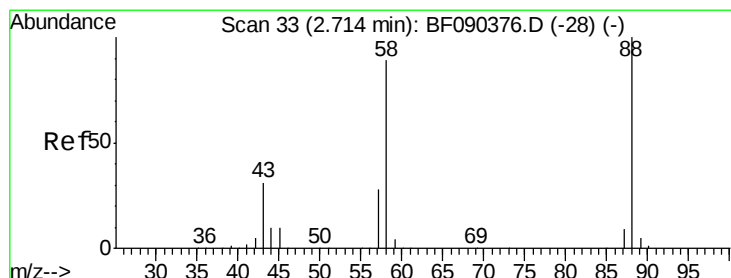
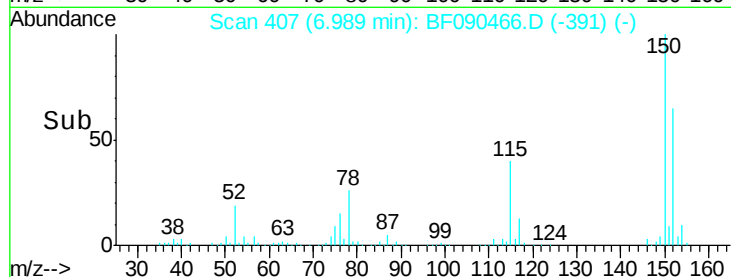
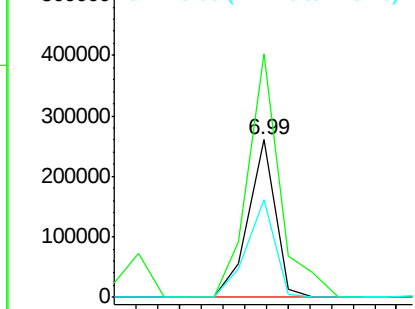
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.99 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tgt Ion: 152 Resp: 225359
Ion Ratio Lower Upper
152 100
150 154.5 124.6 186.8
115 62.0 46.2 69.4



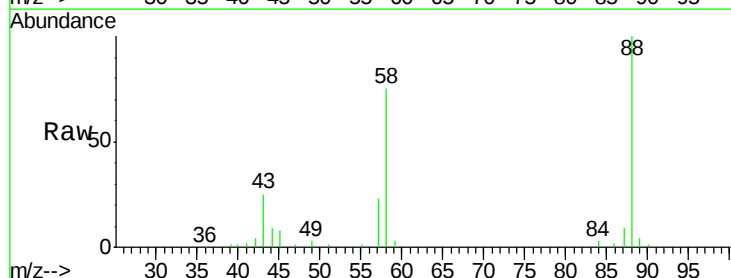
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



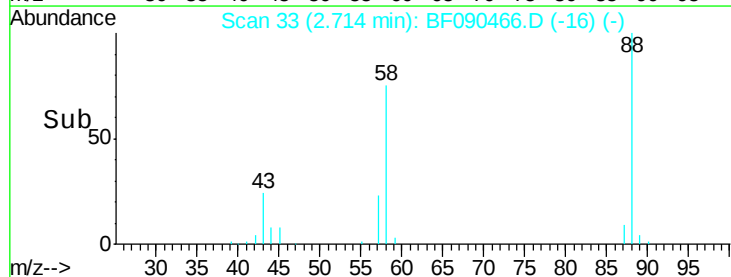
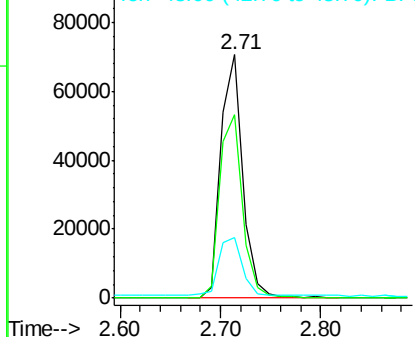
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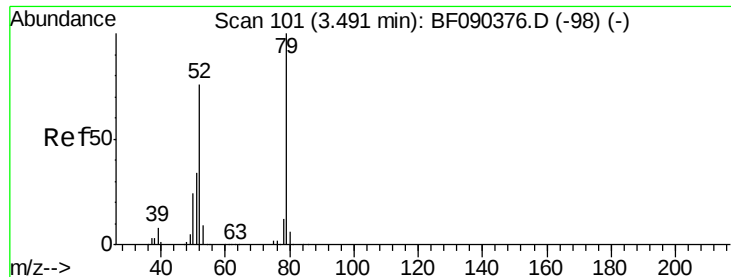
1,4-Dioxane
Concen: 14.33 ng
RT: 2.71 min Scan# 33
Delta R.T. 0.00 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion: 88 Resp: 106637
Ion Ratio Lower Upper
88 100
58 78.9 71.2 106.8
43 26.2 29.8 44.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

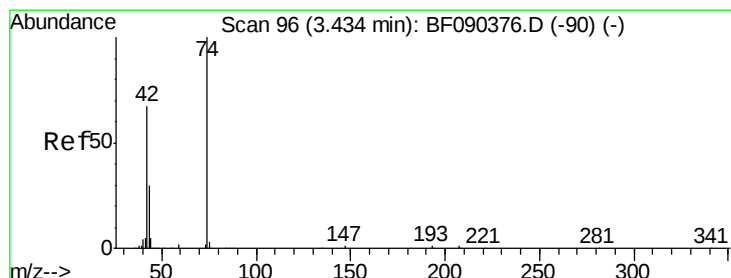
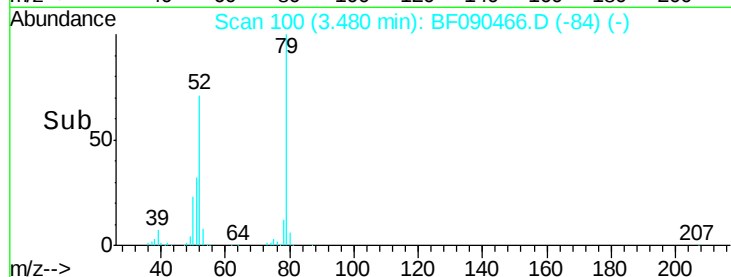
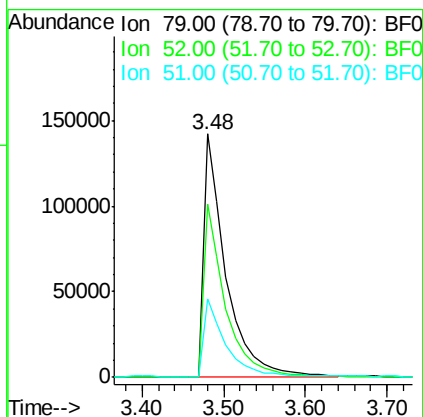
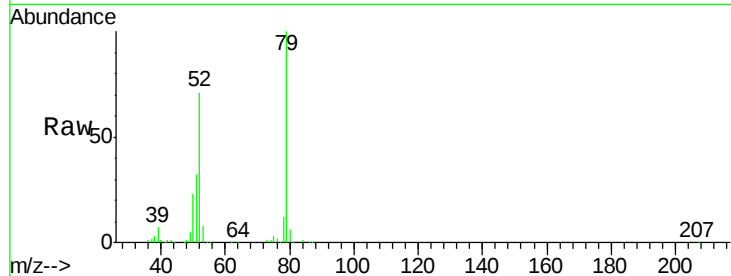




#3
 Pyridine
 Concen: 13.14 ng
 RT: 3.48 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

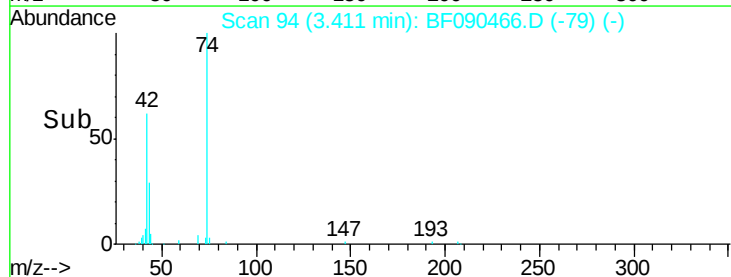
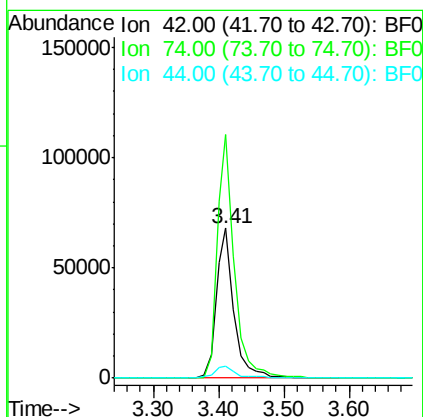
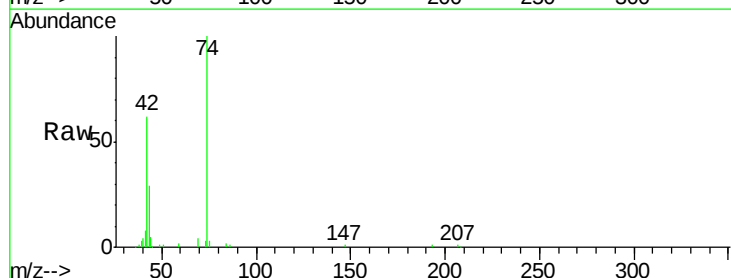
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

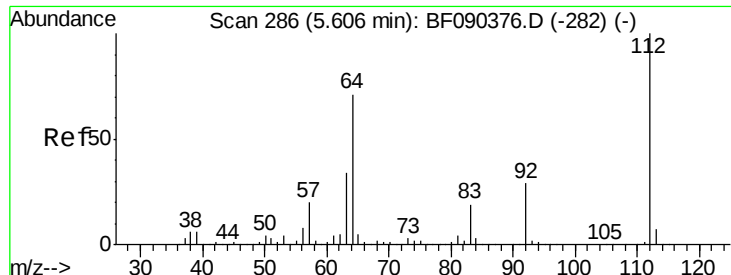
Tgt Ion: 79 Resp: 272648
 Ion Ratio Lower Upper
 79 100
 52 71.1 71.3 106.9#
 51 32.2 34.5 51.7#



#4
 n-Nitrosodimethylamine
 Concen: 15.07 ng
 RT: 3.41 min Scan# 94
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 42 Resp: 129076
 Ion Ratio Lower Upper
 42 100
 74 162.5 88.9 133.3#
 44 8.2 6.5 9.7





#5

2-Fluorophenol

Concen: 50.92 ng

RT: 5.59 min Scan# 285

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

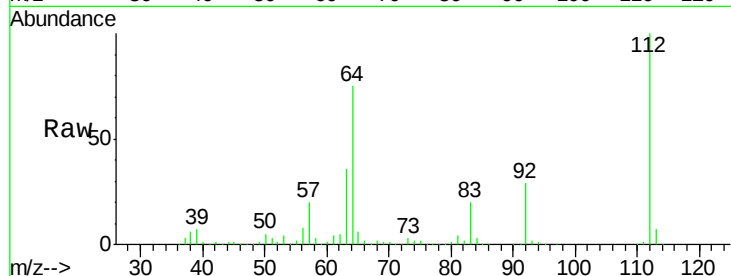
Tgt Ion: 112 Resp: 768922

Ion Ratio Lower Upper

112 100

64 75.5 57.9 86.9

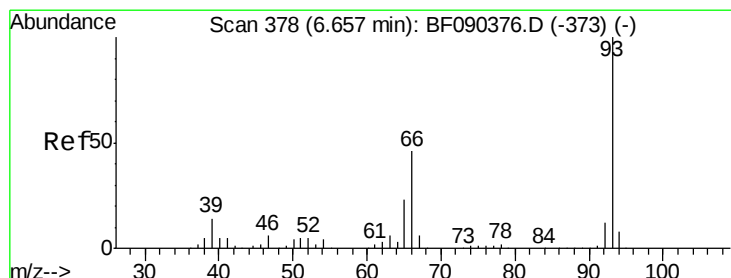
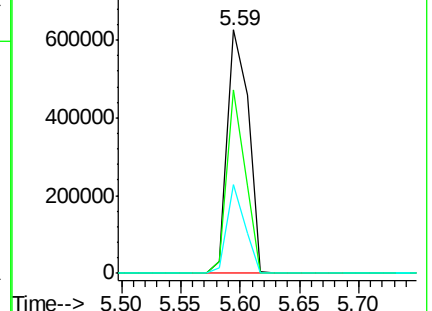
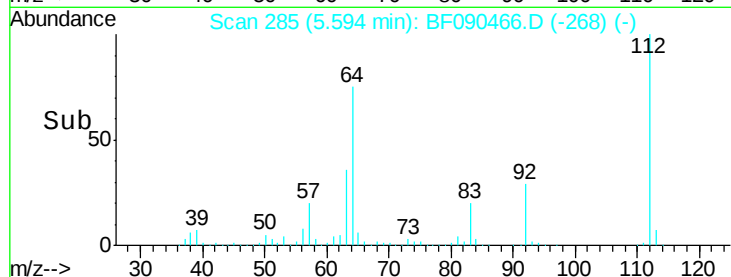
63 36.2 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 22.30 ng

RT: 6.65 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

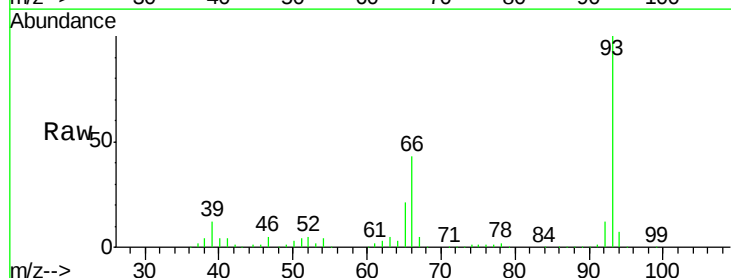
Tgt Ion: 93 Resp: 609320

Ion Ratio Lower Upper

93 100

66 43.5 34.5 51.7

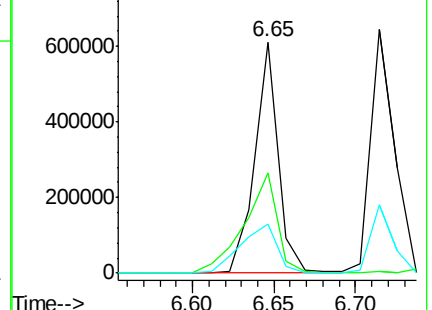
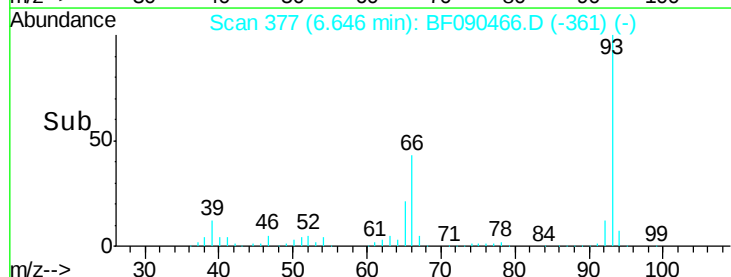
65 21.3 18.2 27.2

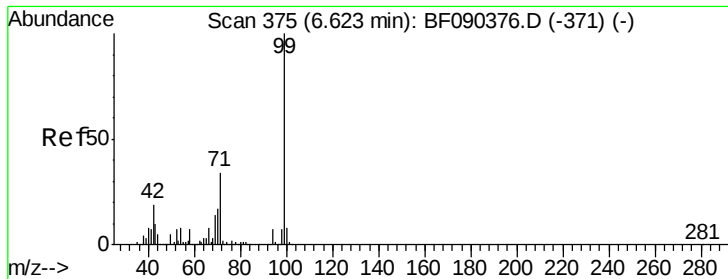


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.52 ng

RT: 6.61 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

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RAV-GT-104MS

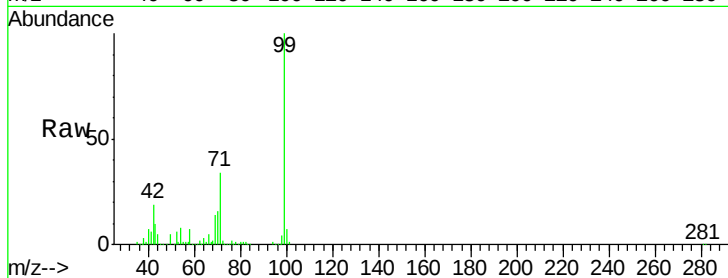
Tgt Ion: 99 Resp: 662821

Ion Ratio Lower Upper

99 100

42 18.8 20.0 30.0#

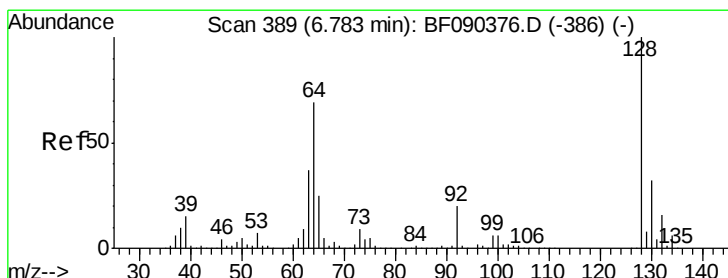
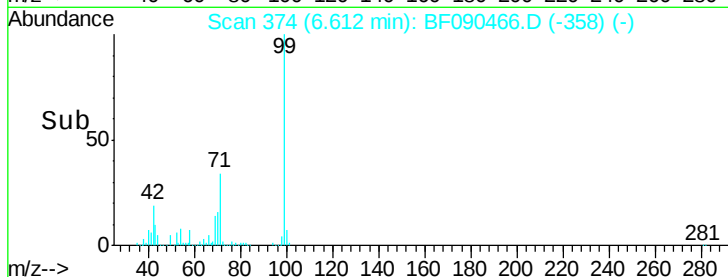
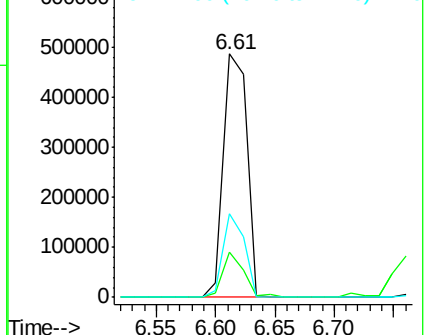
71 34.3 27.9 41.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 31.51 ng

RT: 6.77 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

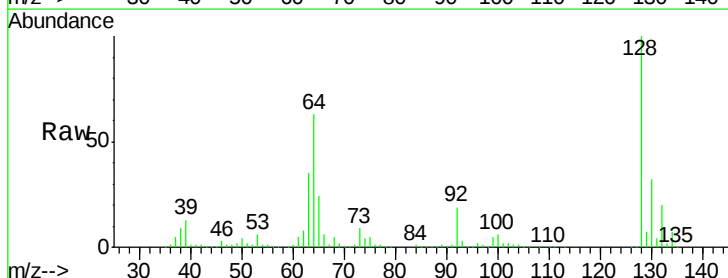
Tgt Ion: 128 Resp: 523635

Ion Ratio Lower Upper

128 100

130 32.1 13.3 53.3

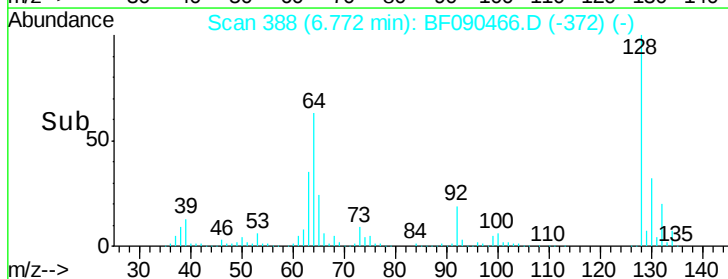
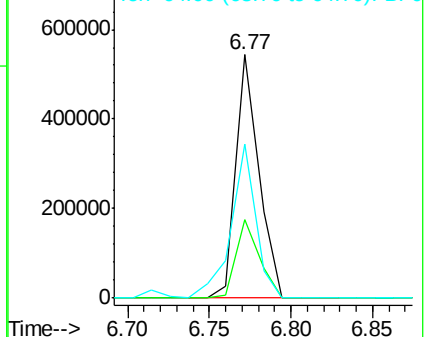
64 63.1 36.0 76.0

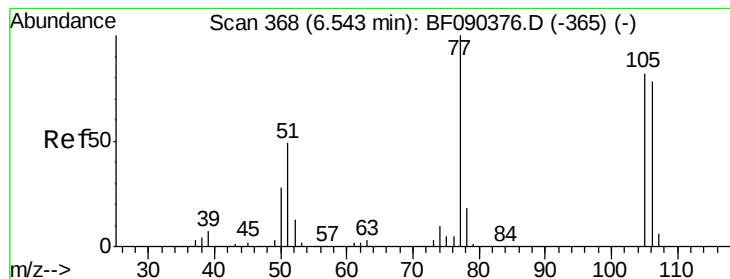


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 31.64 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

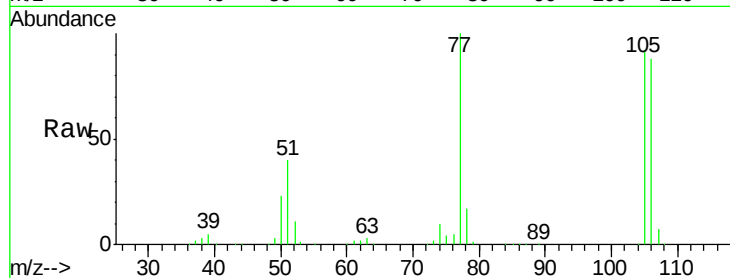
Tgt Ion: 77 Resp: 316290

Ion Ratio Lower Upper

77 100

105 92.3 73.1 113.1

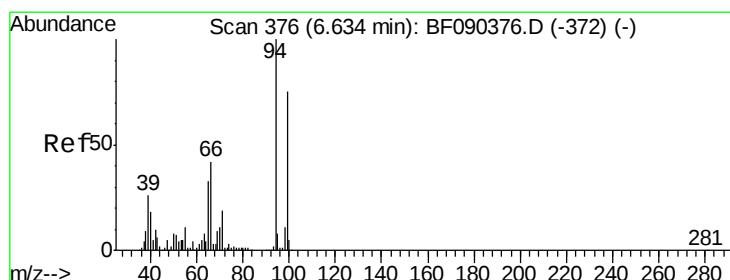
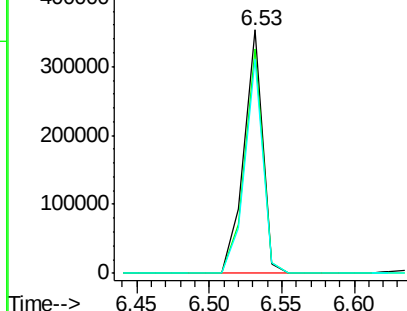
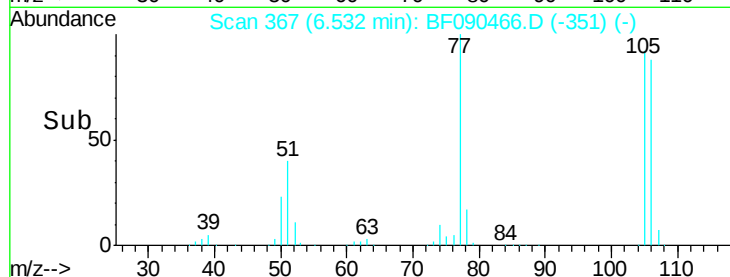
106 88.1 70.2 110.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 12.79 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

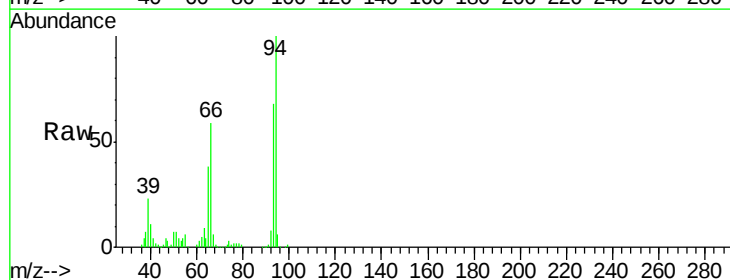
Tgt Ion: 94 Resp: 294053

Ion Ratio Lower Upper

94 100

65 38.2 13.3 53.3

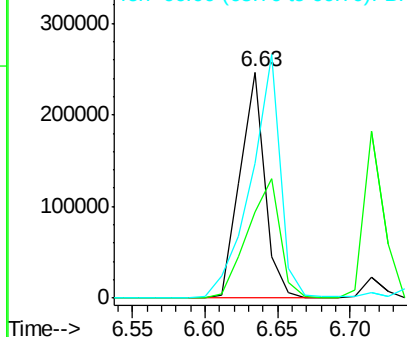
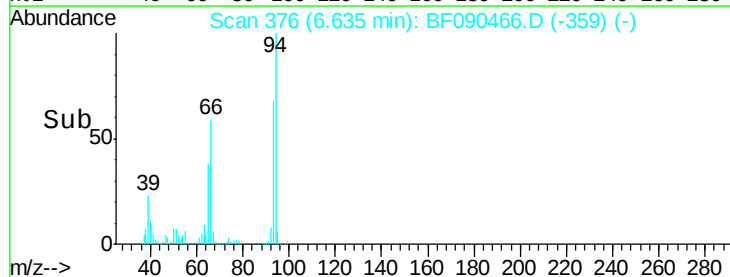
66 59.5 20.4 60.4

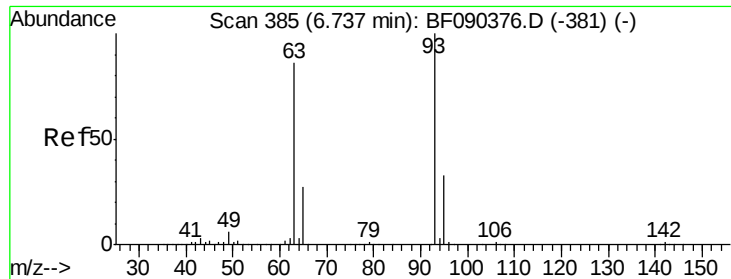


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

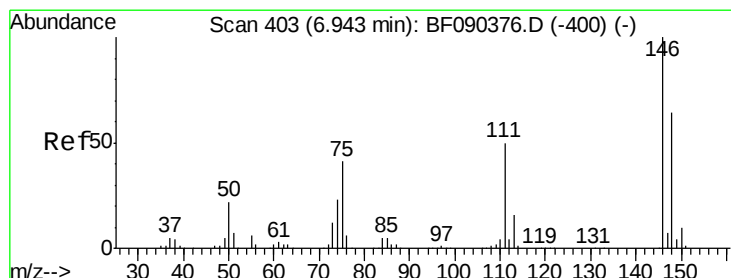
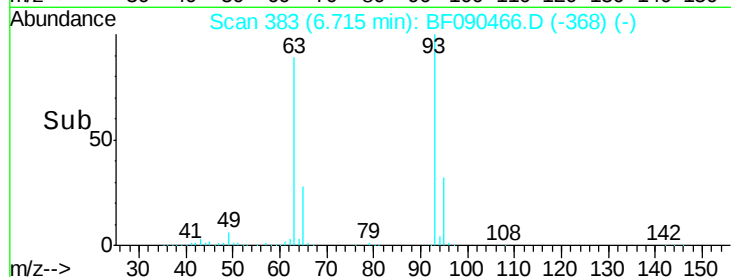
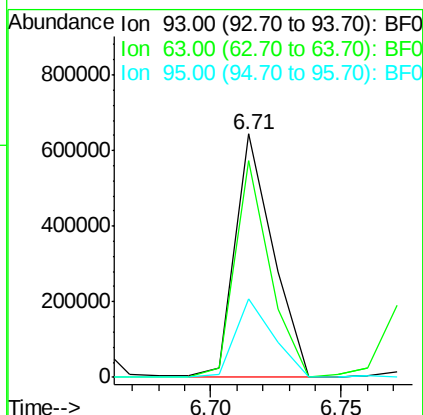
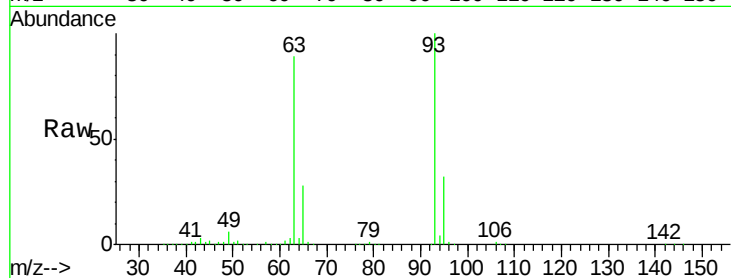




#11
 bis(2-Chloroethyl)ether
 Concen: 36.79 ng
 RT: 6.71 min Scan# 383
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

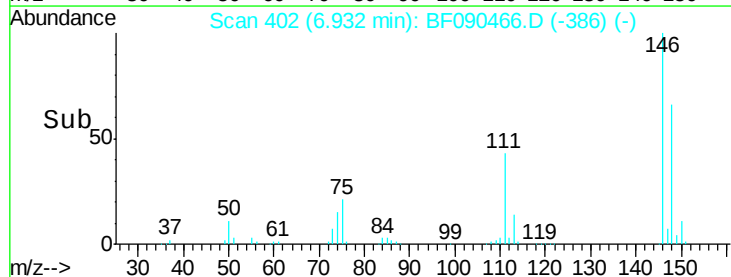
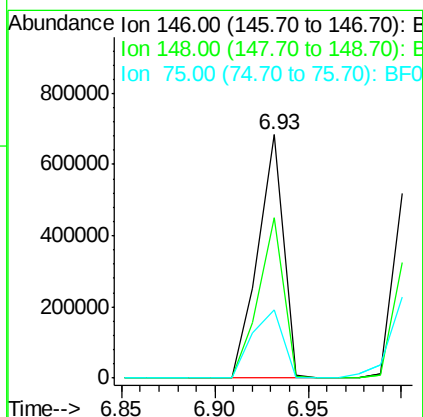
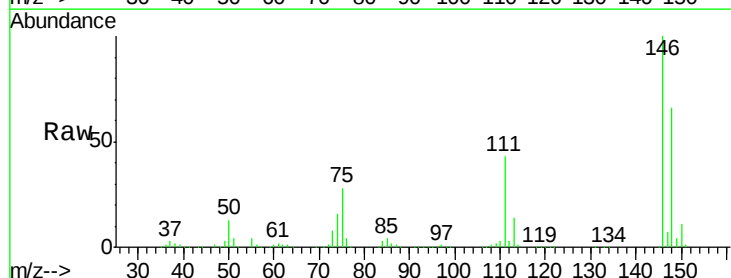
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

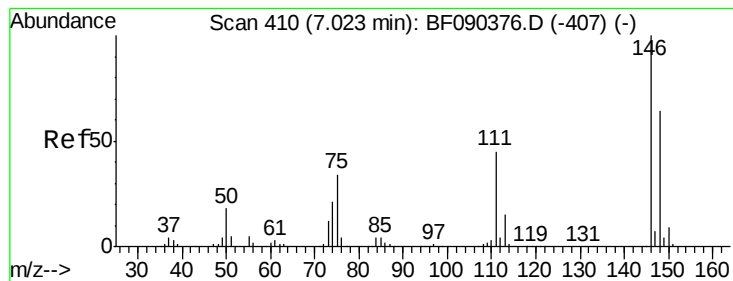
Tgt Ion: 93 Resp: 647750
 Ion Ratio Lower Upper
 93 100
 63 89.0 59.7 99.7
 95 32.4 14.0 54.0



#12
 1,3-Dichlorobenzene
 Concen: 39.22 ng
 RT: 6.93 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 146 Resp: 649690
 Ion Ratio Lower Upper
 146 100
 148 65.8 52.2 78.4
 75 27.8 21.4 32.2





#13

1,4-Dichlorobenzene

Concen: 36.75 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

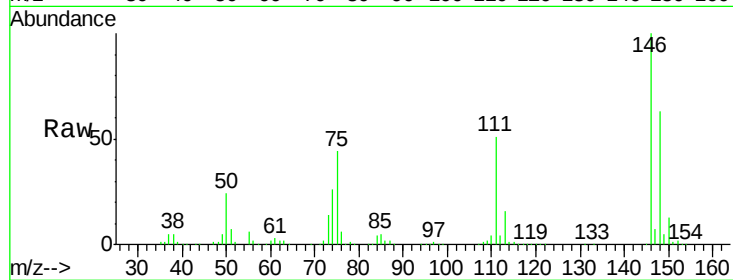
Tgt Ion:146 Resp: 618209

Ion Ratio Lower Upper

146 100

148 62.5 51.1 76.7

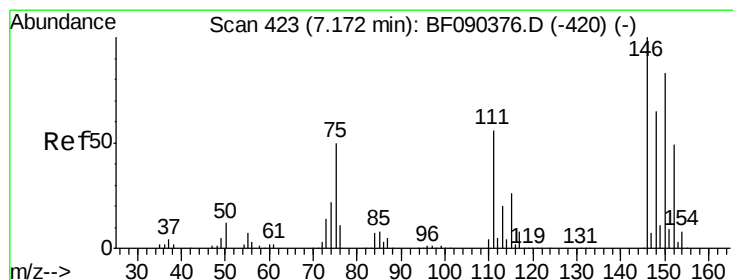
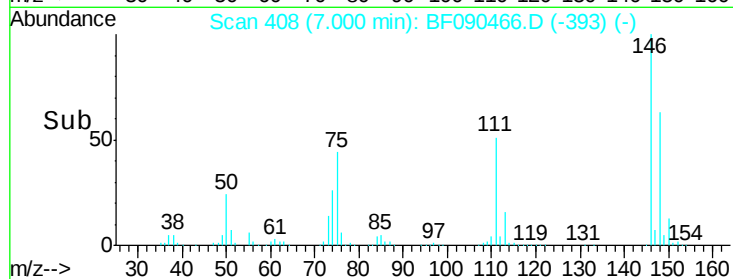
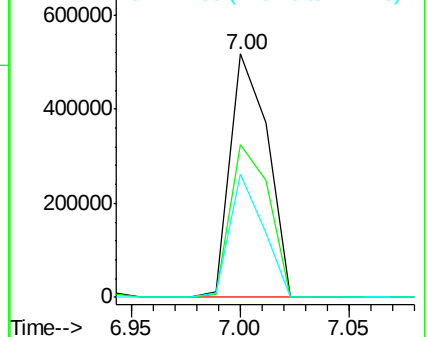
111 50.7 37.8 56.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.59 ng

RT: 7.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

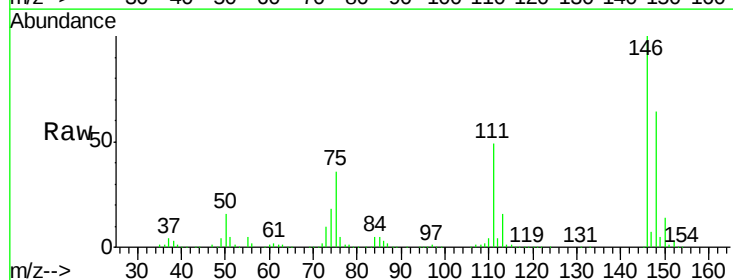
Tgt Ion:146 Resp: 641715

Ion Ratio Lower Upper

146 100

148 64.0 52.3 78.5

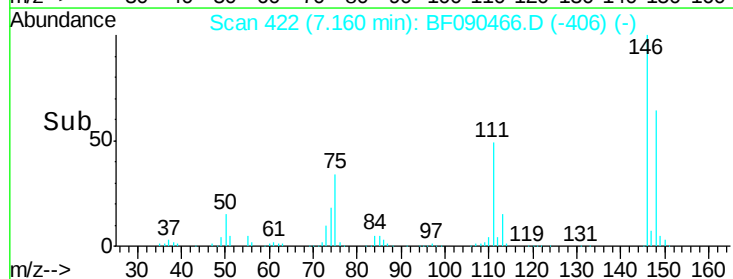
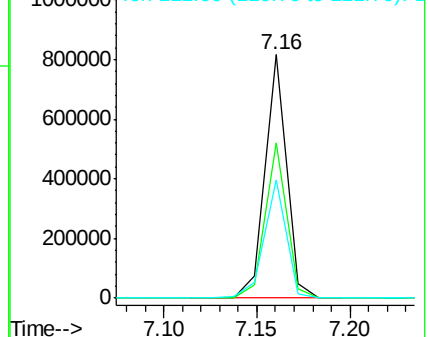
111 48.8 38.2 57.4

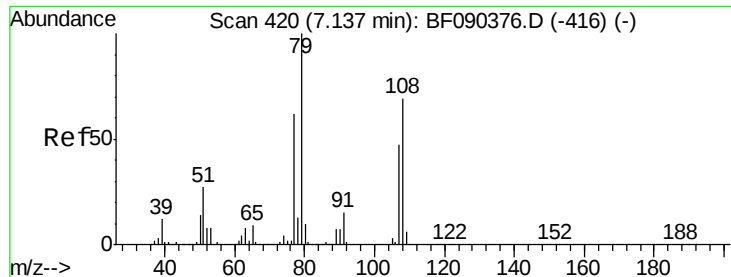


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 27.86 ng

RT: 7.13 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

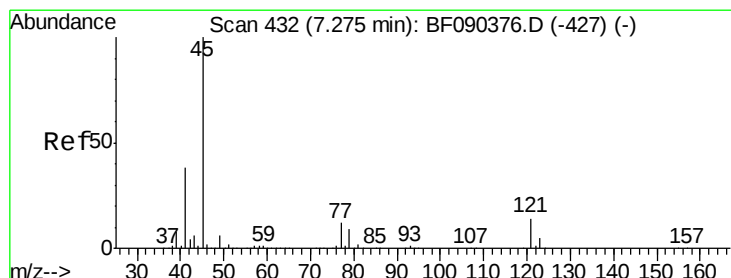
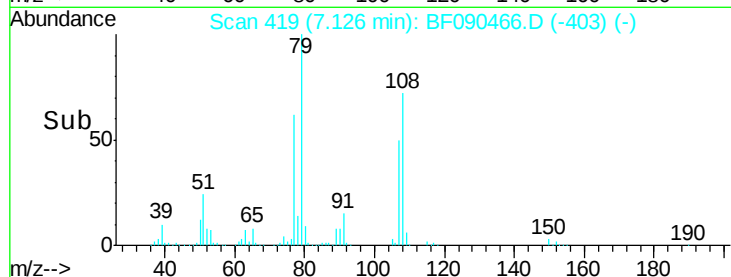
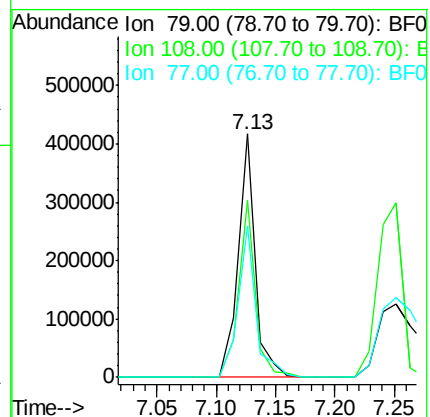
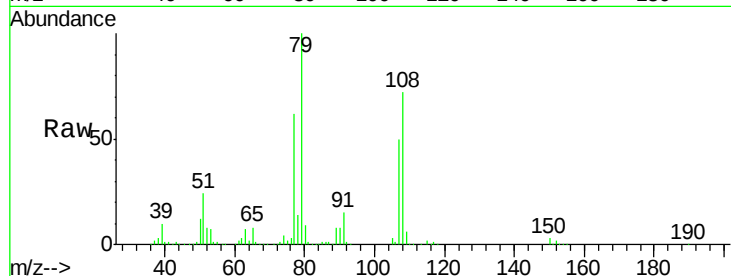
Tgt Ion: 79 Resp: 418820

Ion Ratio Lower Upper

79 100

108 72.5 60.9 91.3

77 62.4 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.40 ng

RT: 7.26 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

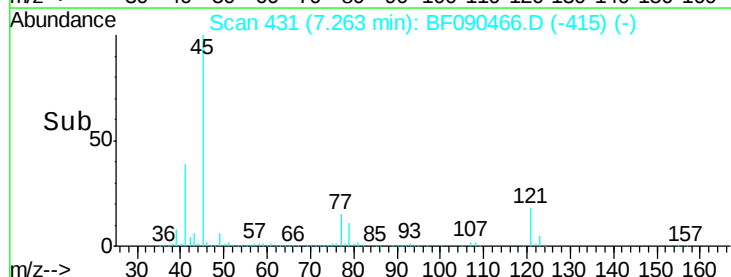
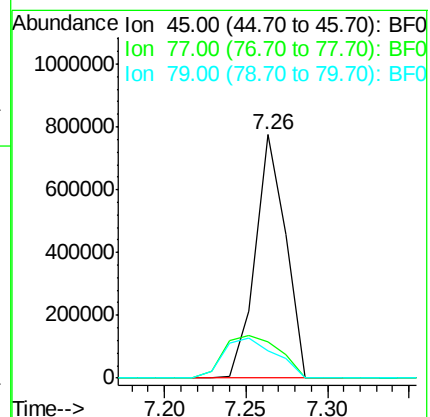
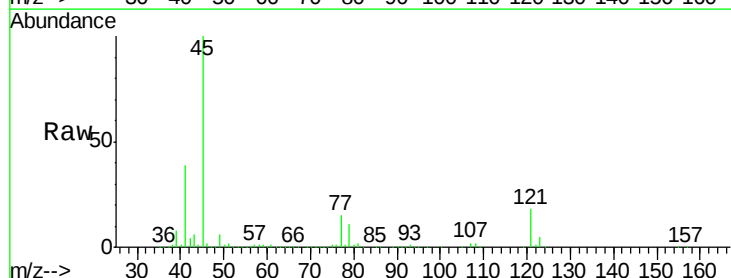
Tgt Ion: 45 Resp: 997107

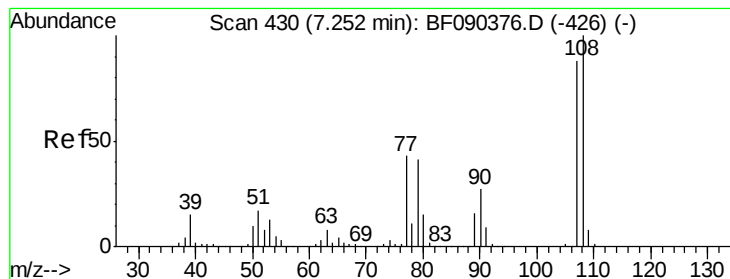
Ion Ratio Lower Upper

45 100

77 14.8 0.0 30.8

79 11.4 0.0 28.2





#17

2-Methylphenol

Concen: 28.13 ng

RT: 7.25 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tgt Ion:107 Resp: 384420

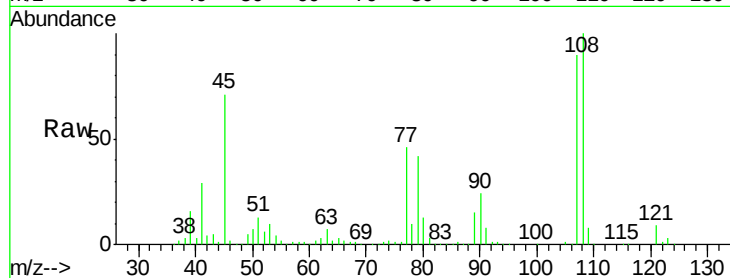
Ion Ratio Lower Upper

107 100

108 110.7 90.9 136.3

77 50.7 38.2 57.4

79 46.7 37.0 55.4

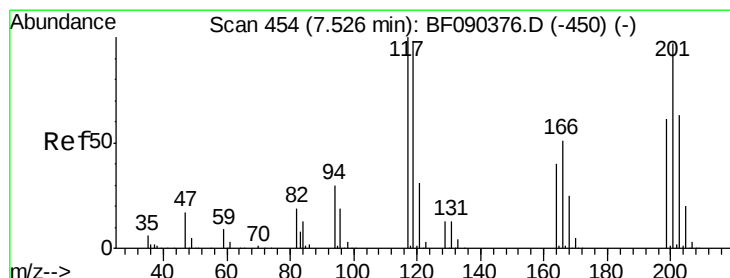
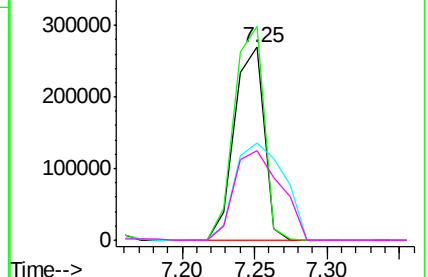
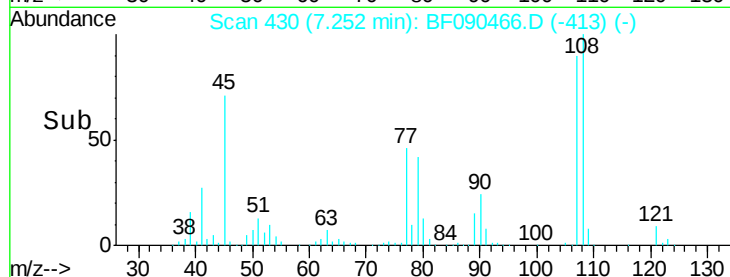


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 34.65 ng

RT: 7.50 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

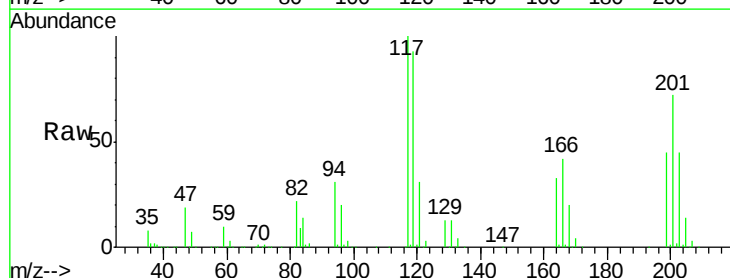
Tgt Ion:117 Resp: 229846

Ion Ratio Lower Upper

117 100

119 93.3 75.9 113.9

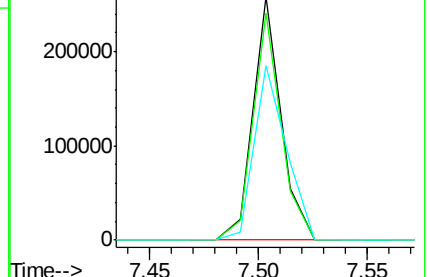
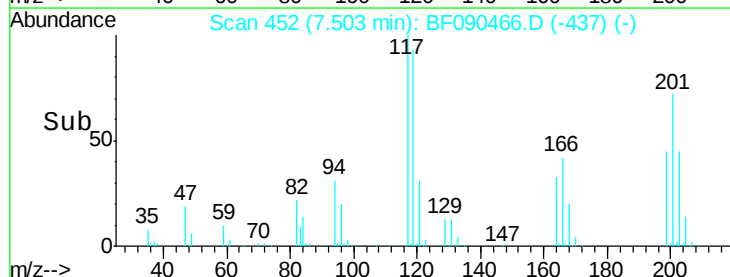
201 71.9 66.5 99.7

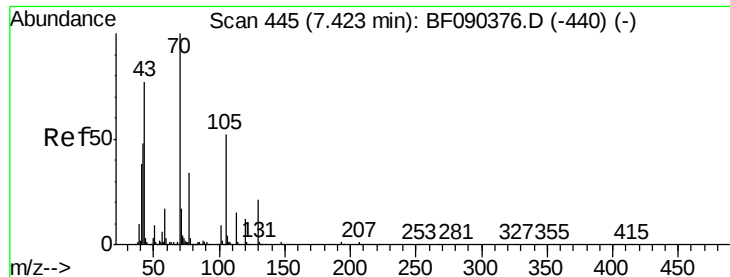


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

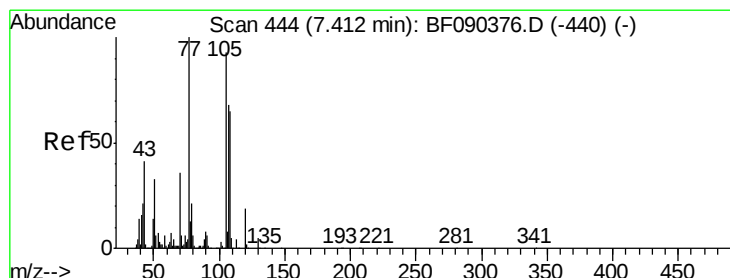
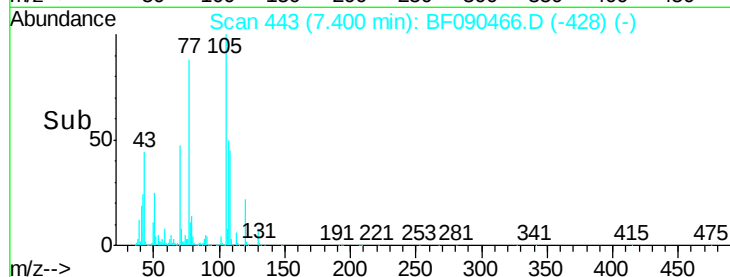
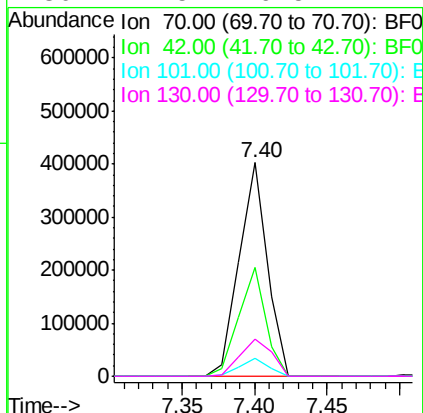
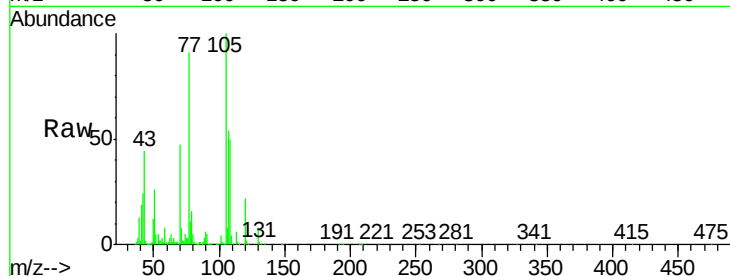




#19
n-Nitroso-di-n-propylamine
Concen: 37.46 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

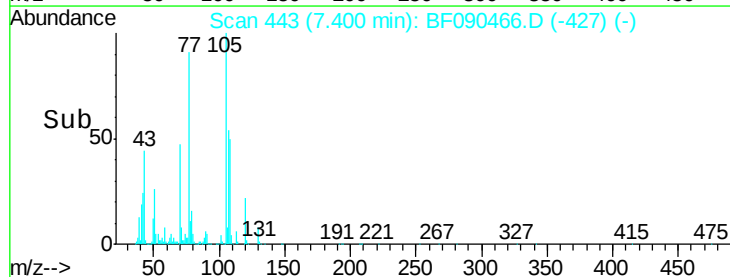
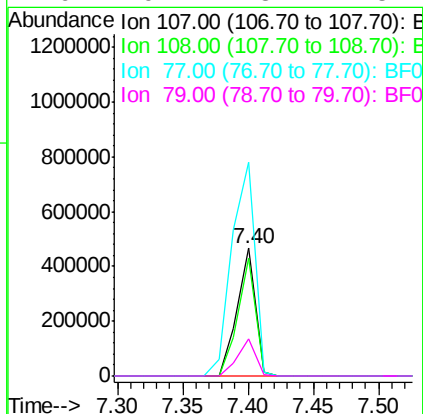
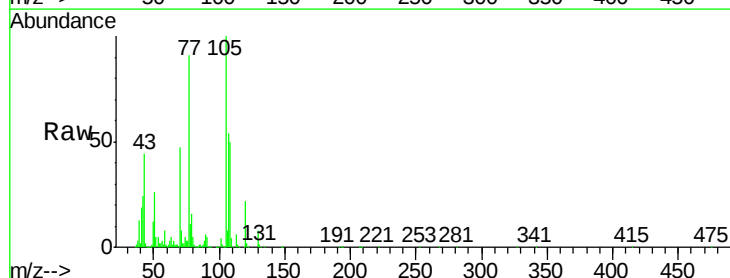
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

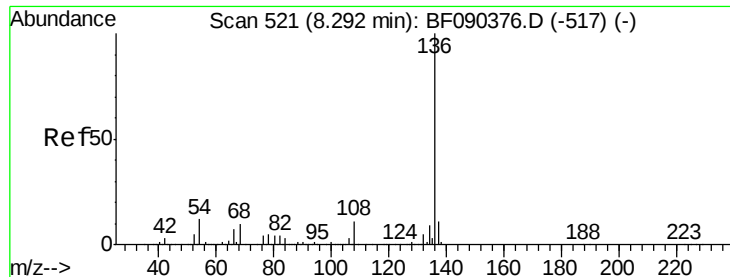
Tgt Ion: 70 Resp: 543259
Ion Ratio Lower Upper
70 100
42 51.0 55.4 83.2#
101 8.5 7.6 11.4
130 17.5 16.5 24.7



#20
3+4-Methylphenols
Concen: 25.53 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion: 107 Resp: 451564
Ion Ratio Lower Upper
107 100
108 92.4 66.7 106.7
77 167.2 53.7 93.7#
79 29.4 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.28 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tgt Ion:136 Resp: 971602

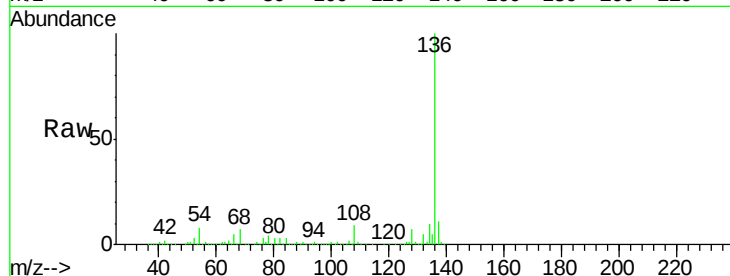
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.6 6.6 10.0

68 7.0 5.0 7.6

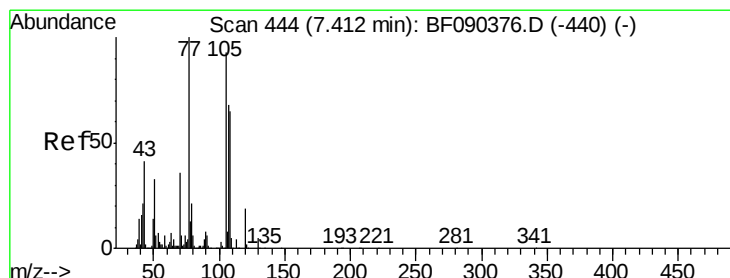
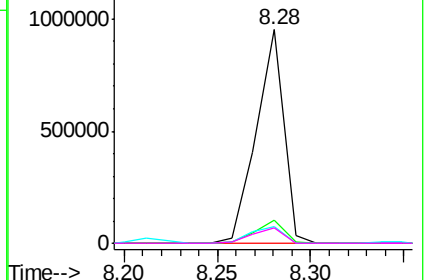
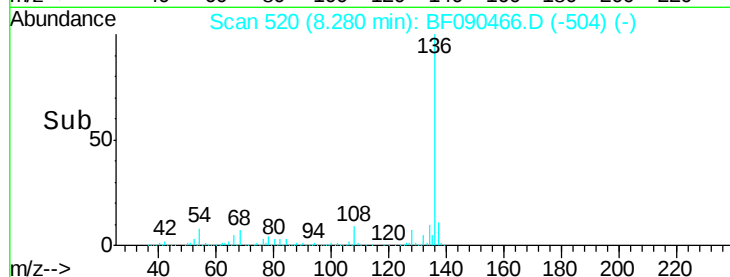


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 44.45 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Tgt Ion:105 Resp: 1022923

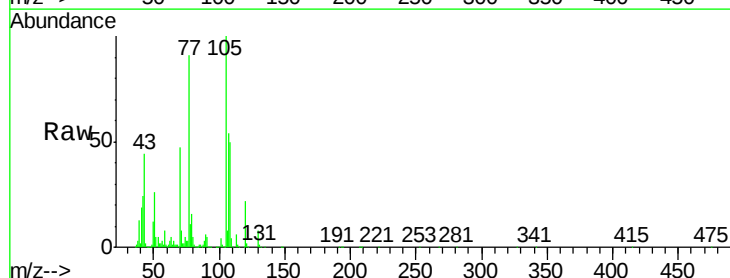
Ion Ratio Lower Upper

105 100

71 8.1 3.8 5.6#

51 26.2 28.2 42.4#

120 22.2 17.4 26.2

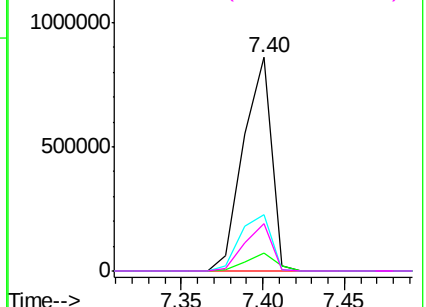
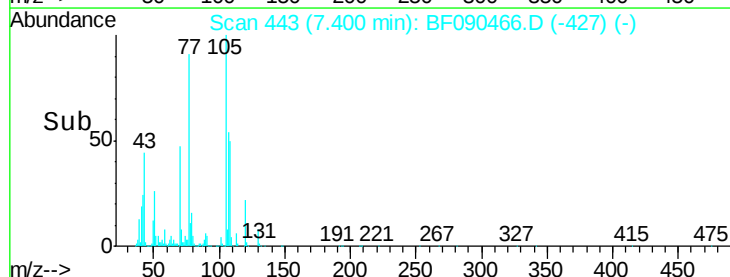


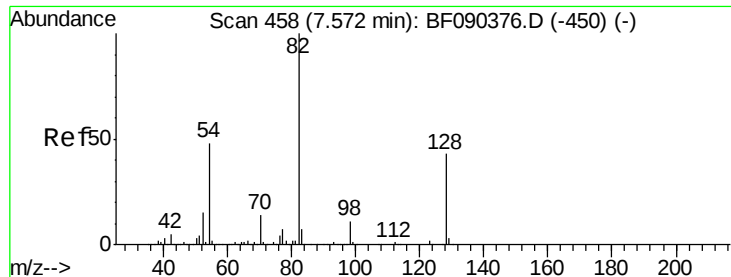
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

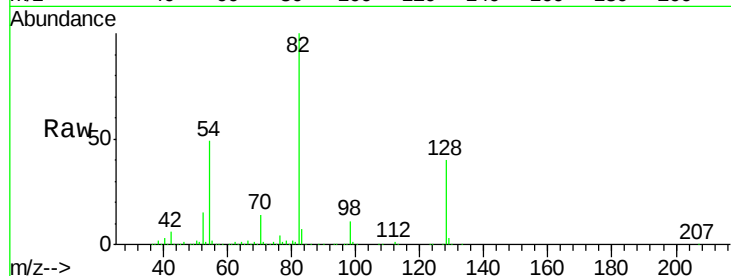




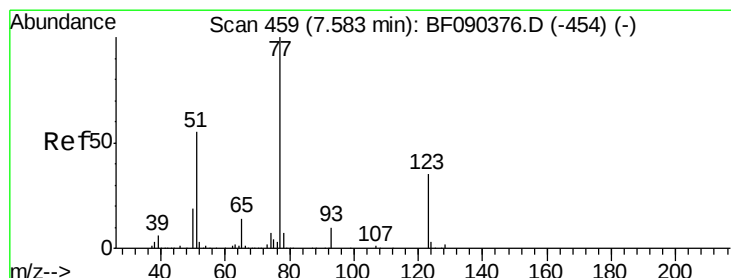
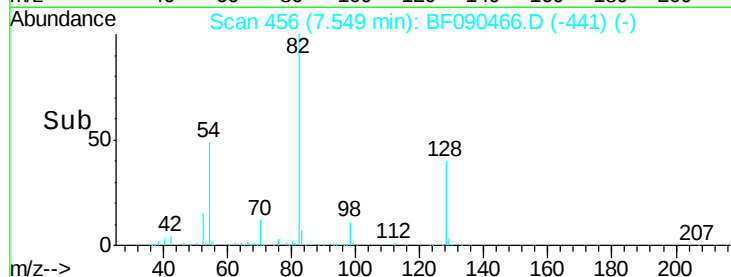
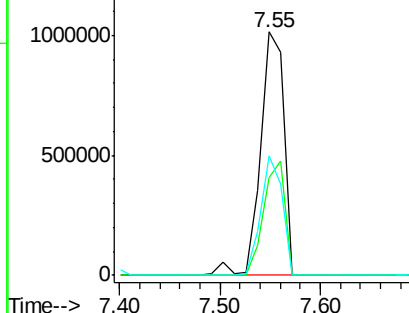
#23
 Nitrobenzene-d5
 Concen: 82.10 ng
 RT: 7.55 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion: 82 Resp: 1639911
 Ion Ratio Lower Upper
 82 100
 128 40.1 40.0 60.0
 54 49.3 42.6 64.0

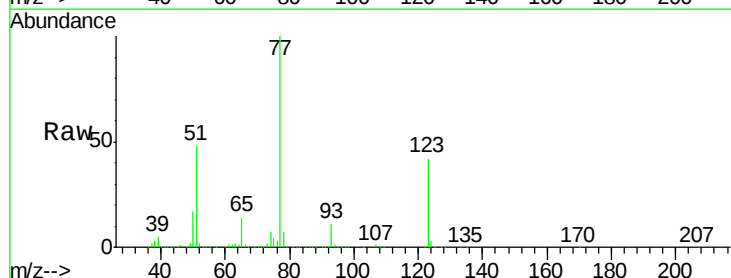


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

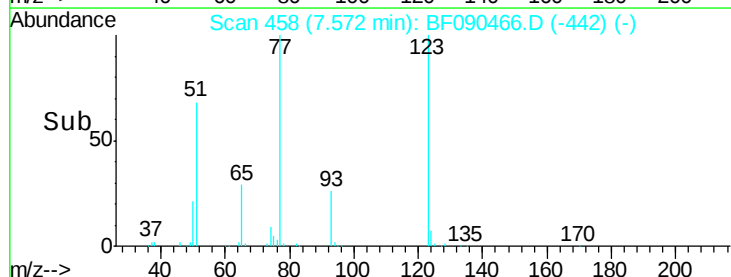
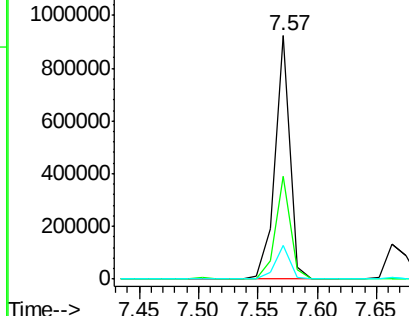


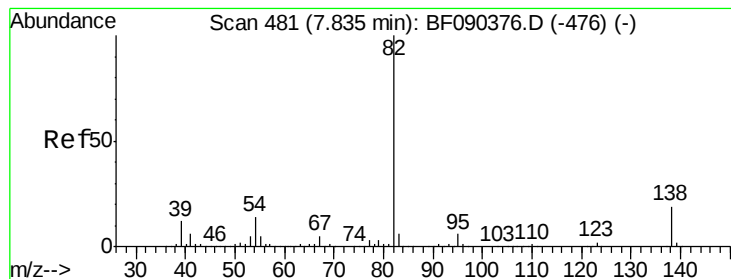
#24
 Nitrobenzene
 Concen: 40.76 ng
 RT: 7.57 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 77 Resp: 808175
 Ion Ratio Lower Upper
 77 100
 123 42.0 33.0 49.4
 65 13.9 12.0 18.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 40.99 ng

RT: 7.81 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

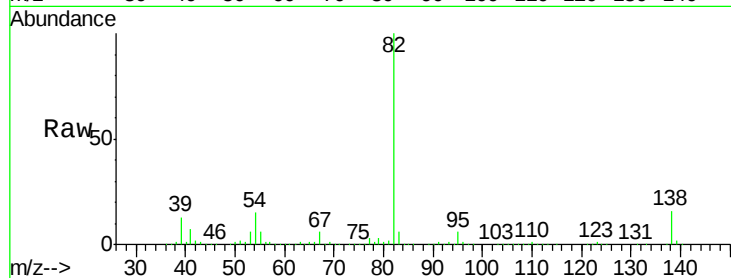
Tgt Ion: 82 Resp: 1496747

Ion Ratio Lower Upper

82 100

95 6.4 5.2 7.8

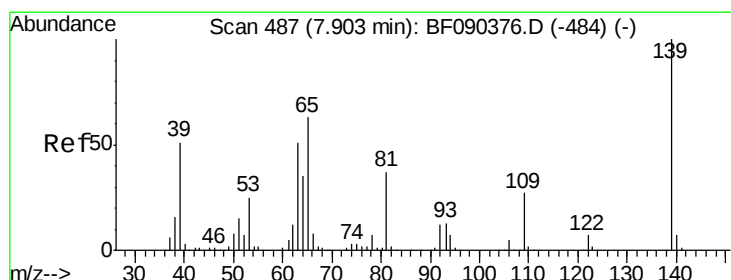
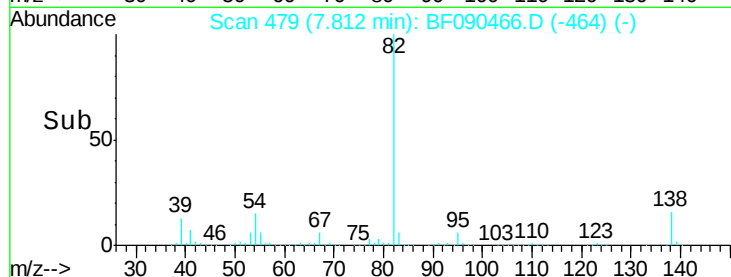
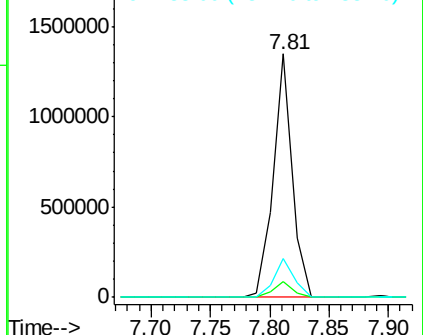
138 15.7 13.0 19.4



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 44.36 ng

RT: 7.89 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

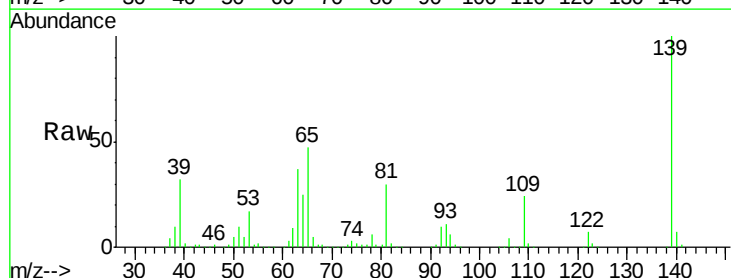
Tgt Ion: 139 Resp: 378618

Ion Ratio Lower Upper

139 100

109 23.9 18.9 28.3

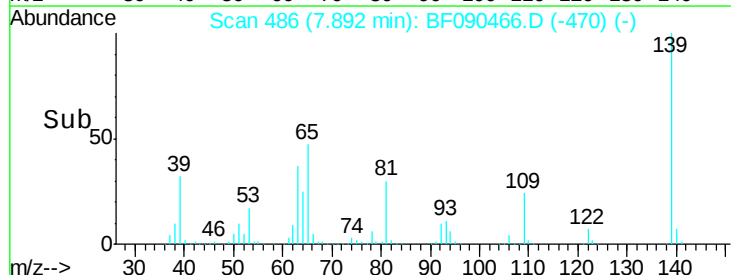
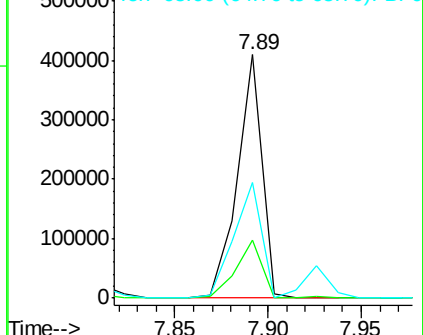
65 47.3 31.6 47.4

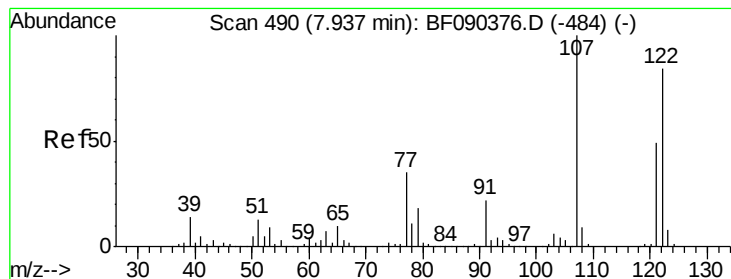


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

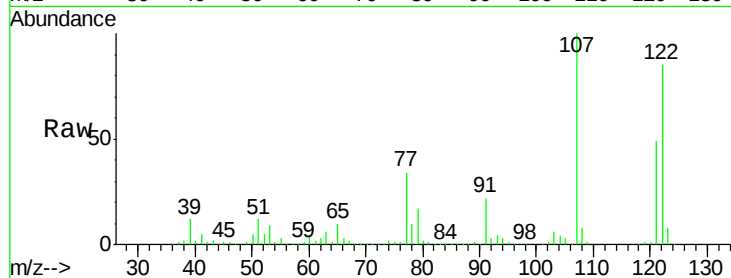




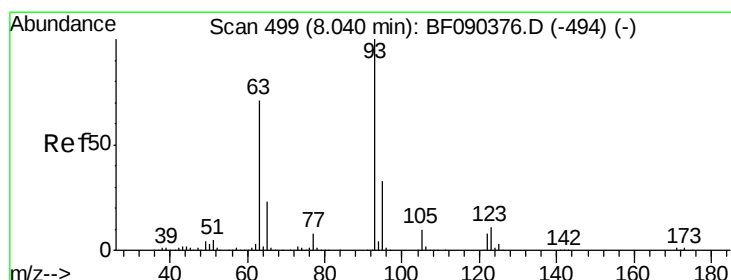
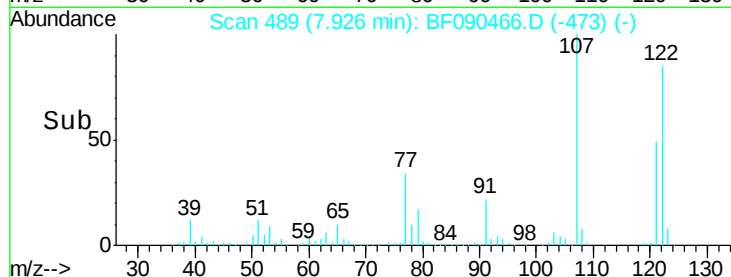
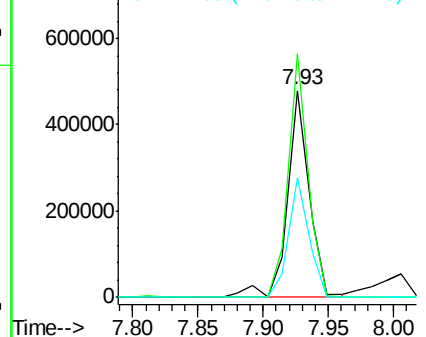
#27
 2,4-Dimethylphenol
 Concen: 33.03 ng
 RT: 7.93 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion:122 Resp: 548203
 Ion Ratio Lower Upper
 122 100
 107 117.9 88.6 132.8
 121 58.1 47.5 71.3

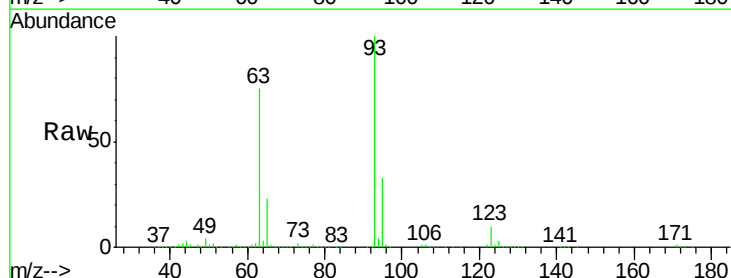


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

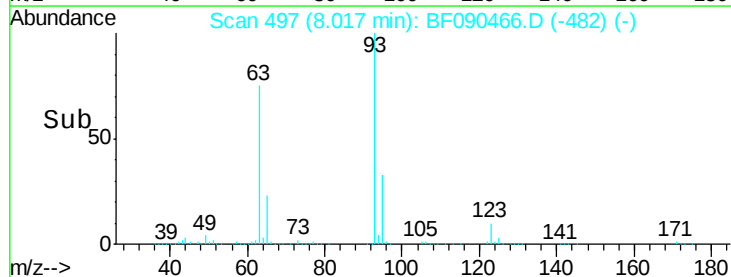
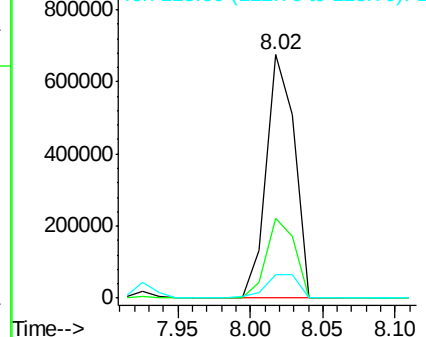


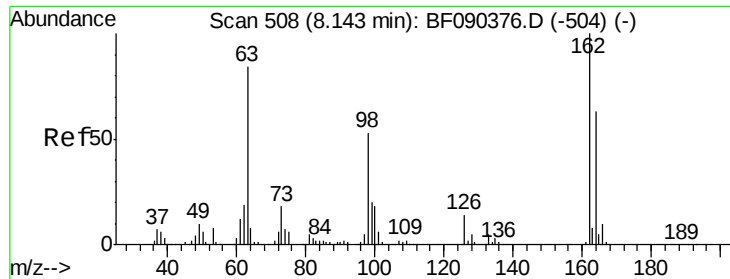
#28
 bis(2-Chloroethoxy)methane
 Concen: 41.94 ng
 RT: 8.02 min Scan# 497
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 93 Resp: 905737
 Ion Ratio Lower Upper
 93 100
 95 32.6 27.0 40.4
 123 9.8 11.1 16.7#



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

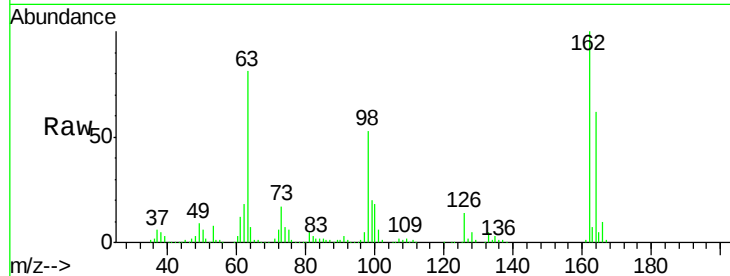




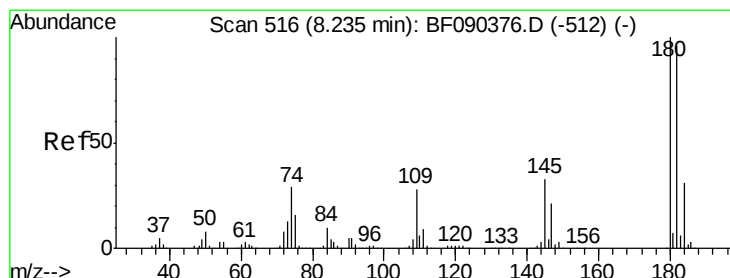
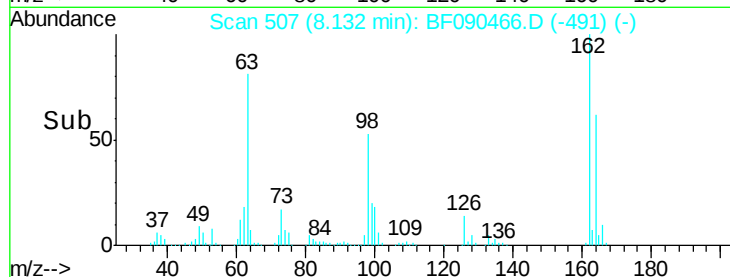
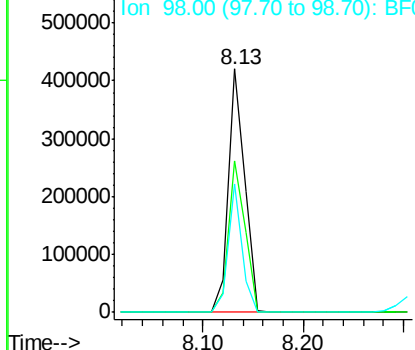
#29
2,4-Dichlorophenol
Concen: 37.55 ng
RT: 8.13 min Scan# 507
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tgt Ion:162 Resp: 473871
Ion Ratio Lower Upper
162 100
164 62.4 45.7 85.7
98 52.5 13.3 53.3

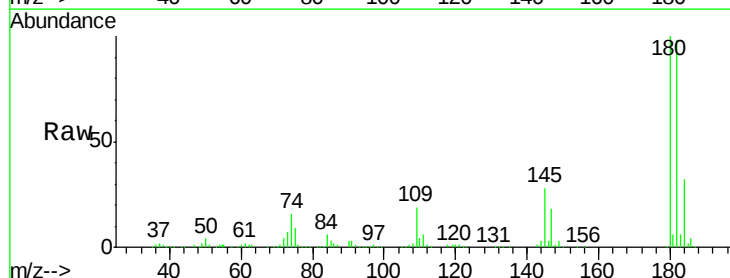


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

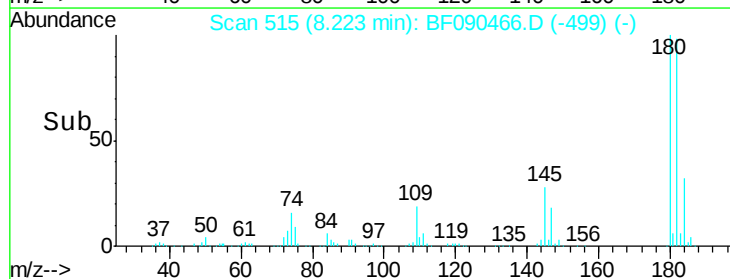
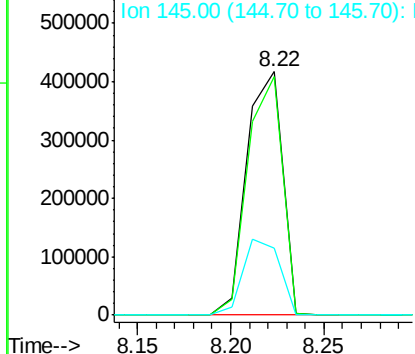


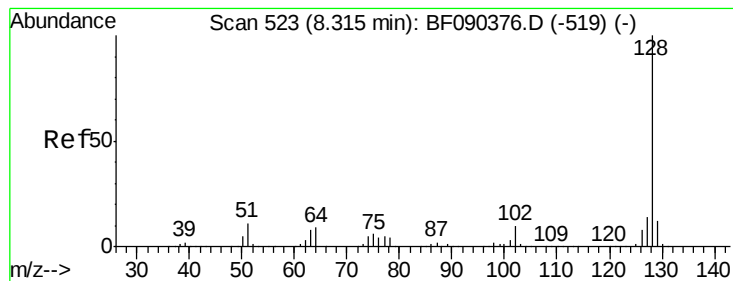
#30
1,2,4-Trichlorobenzene
Concen: 42.57 ng
RT: 8.22 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:180 Resp: 553611
Ion Ratio Lower Upper
180 100
182 97.9 75.3 112.9
145 27.7 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.14 ng

RT: 8.30 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

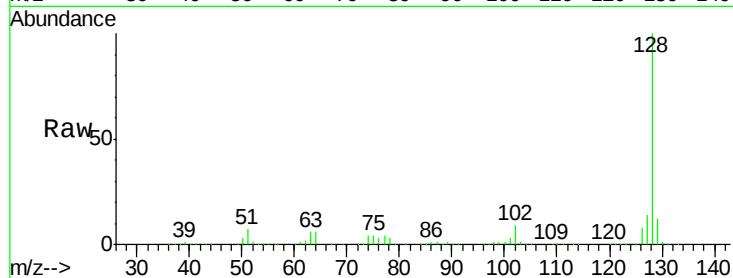
Tgt Ion:128 Resp: 2022003

Ion Ratio Lower Upper

128 100

129 11.7 9.7 14.5

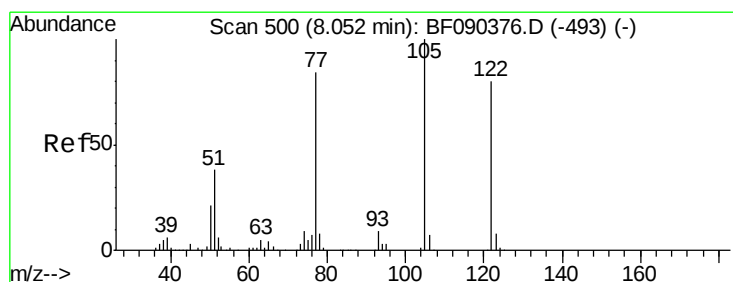
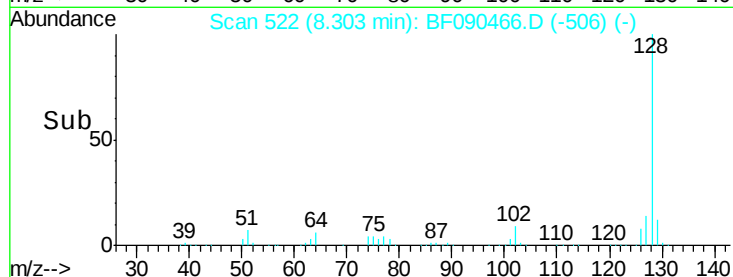
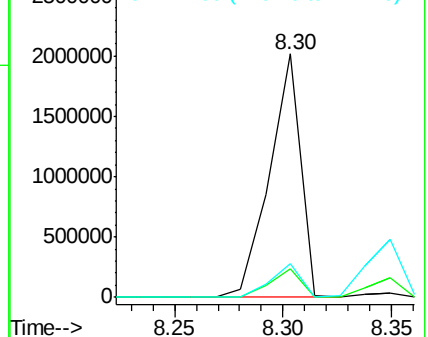
127 14.0 11.7 17.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.39 ng

RT: 8.01 min Scan# 496

Delta R.T. -0.05 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

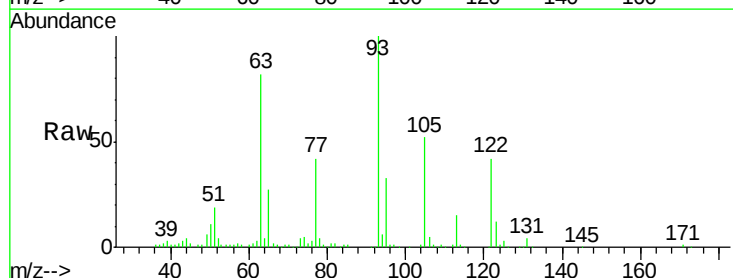
Tgt Ion:122 Resp: 96815

Ion Ratio Lower Upper

122 100

105 124.6 103.9 143.9

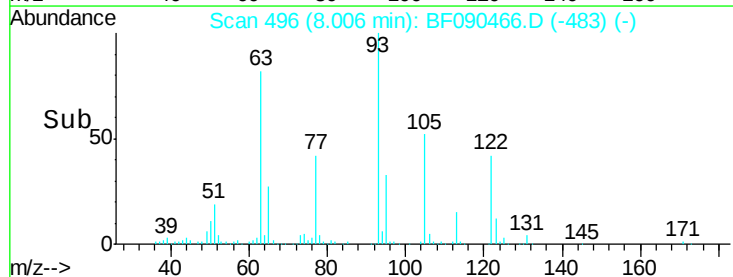
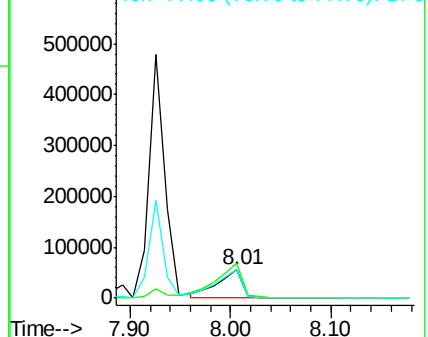
77 100.0 74.6 114.6

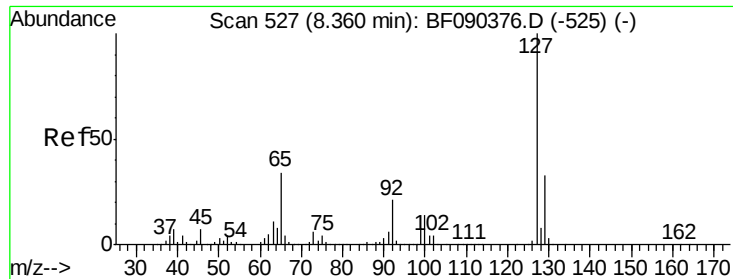


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

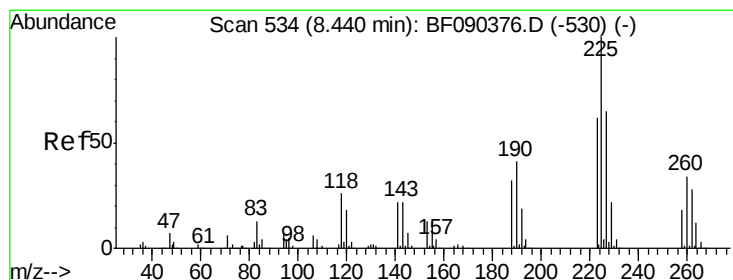
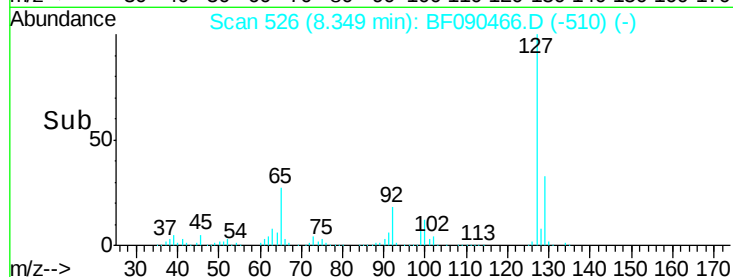
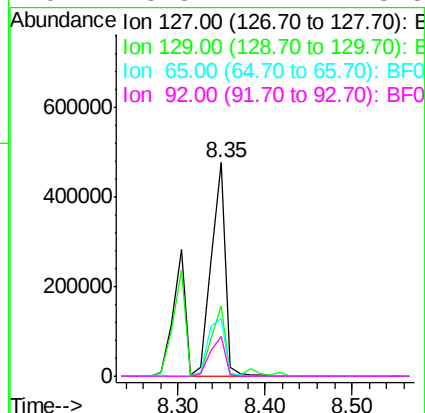
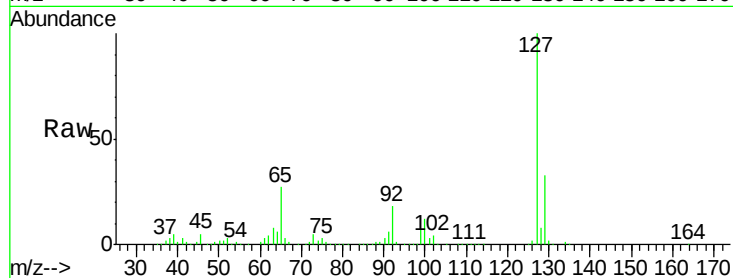




#33
4-Chloroaniline
Concen: 27.90 ng
RT: 8.35 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

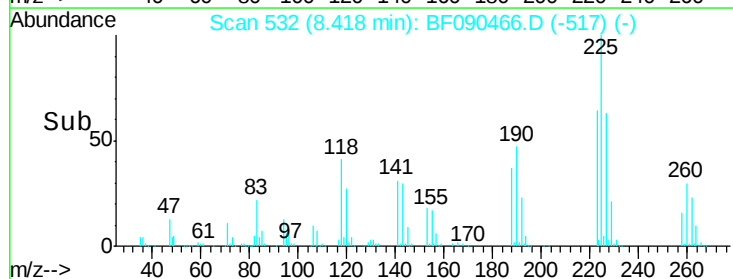
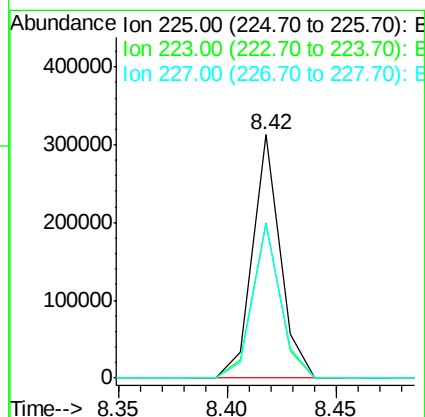
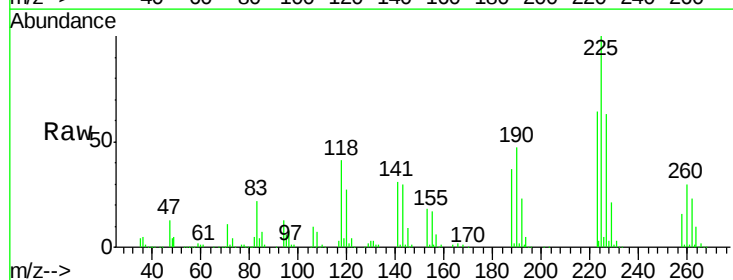
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

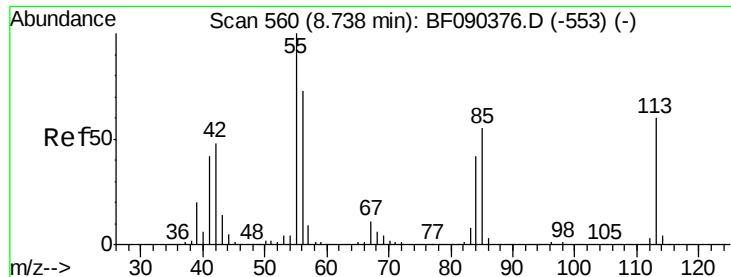
Tgt Ion:	127	Resp:	540500
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.2	39.4
65	27.0	32.5	48.7#
92	18.3	17.2	25.8



#34
Hexachlorobutadiene
Concen: 38.14 ng
RT: 8.42 min Scan# 532
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:	225	Resp:	277143
Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.0	76.4
227	63.3	50.8	76.2

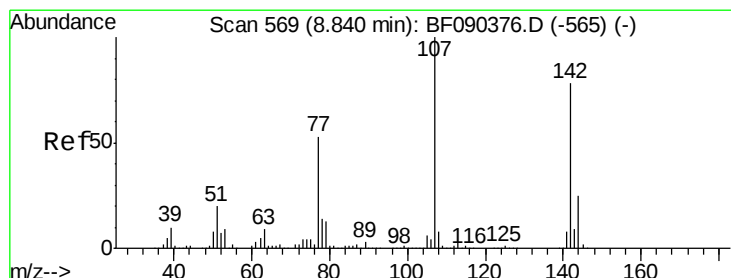
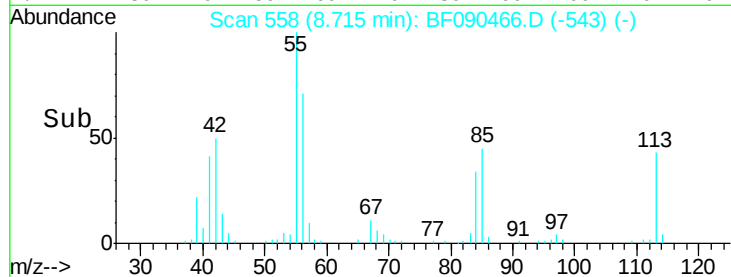
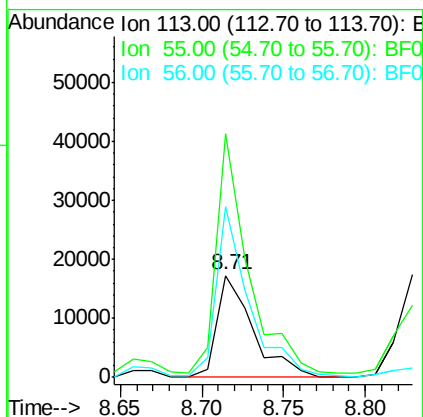
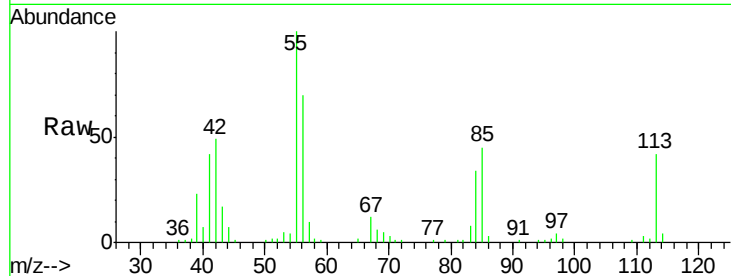




#35
 Caprolactam
 Concen: 6.23 ng
 RT: 8.71 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

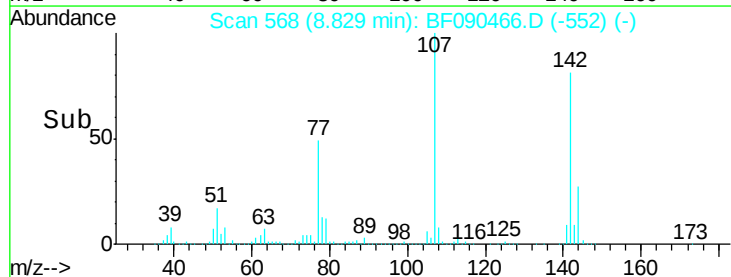
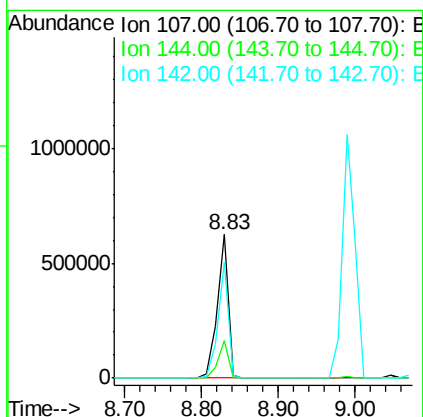
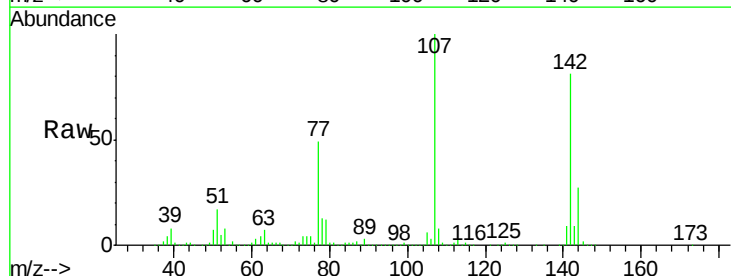
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

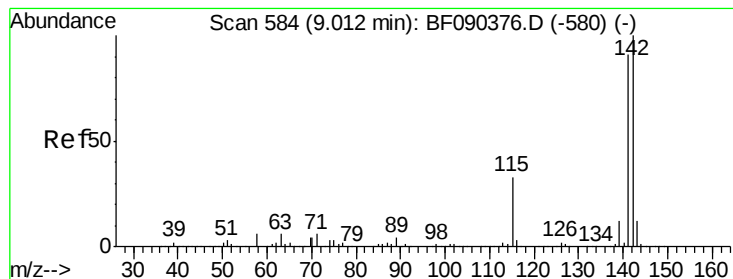
Tgt Ion:113 Resp: 26436
 Ion Ratio Lower Upper
 113 100
 55 238.7 203.3 243.3
 56 167.3 140.5 180.5



#36
 4-Chloro-3-methylphenol
 Concen: 38.50 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:107 Resp: 608382
 Ion Ratio Lower Upper
 107 100
 144 26.6 19.8 29.8
 142 80.9 60.7 91.1

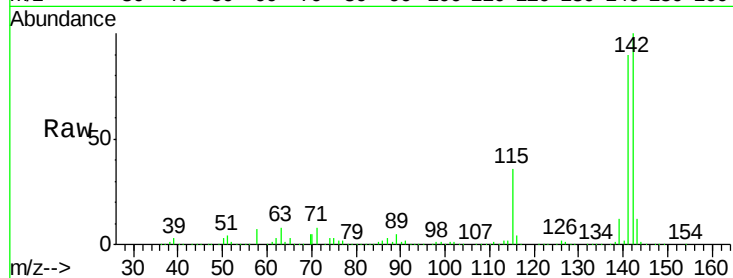




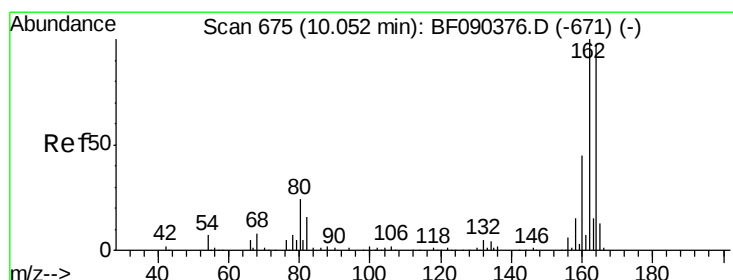
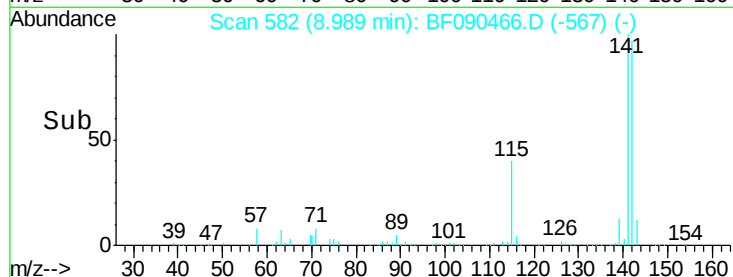
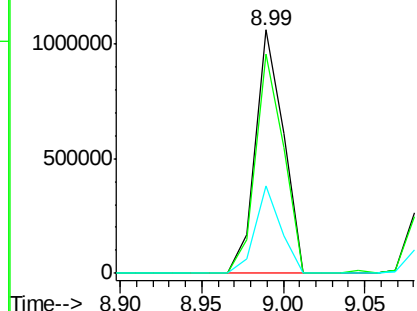
#37
2-Methylnaphthalene
Concen: 44.51 ng
RT: 8.99 min Scan# 582
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tgt Ion:142 Resp: 1263034
Ion Ratio Lower Upper
142 100
141 90.3 71.8 107.8
115 35.8 28.8 43.2

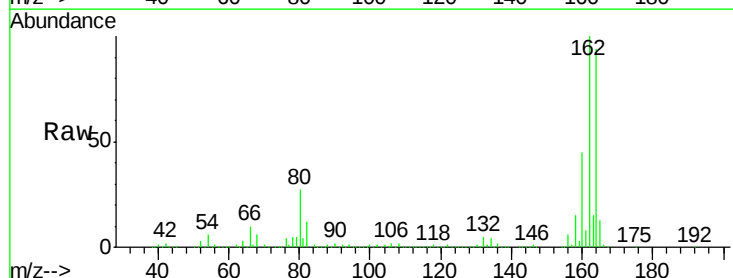


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

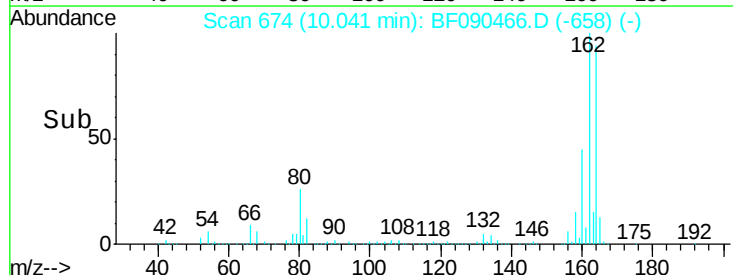
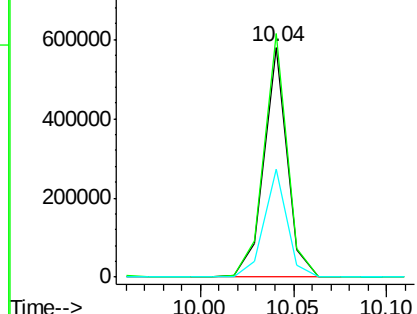


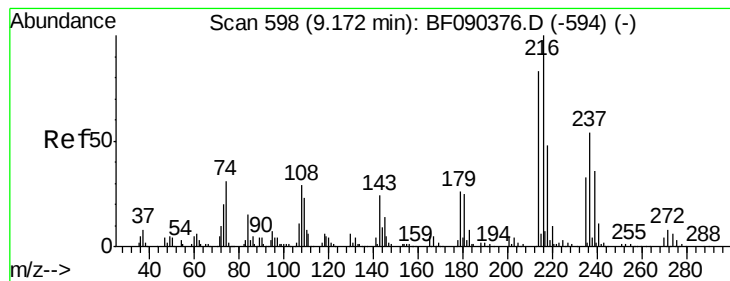
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.04 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:164 Resp: 507392
Ion Ratio Lower Upper
164 100
162 106.0 80.1 120.1
160 47.2 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 45.09 ng

RT: 9.16 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tgt Ion:216 Resp: 603120

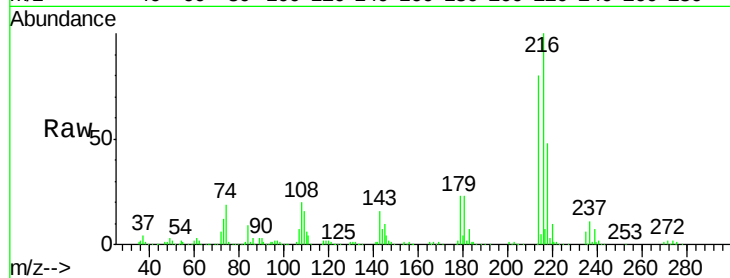
Ion Ratio Lower Upper

216 100

214 79.8 64.2 96.2

179 23.3 18.0 27.0

108 22.7 15.2 22.8

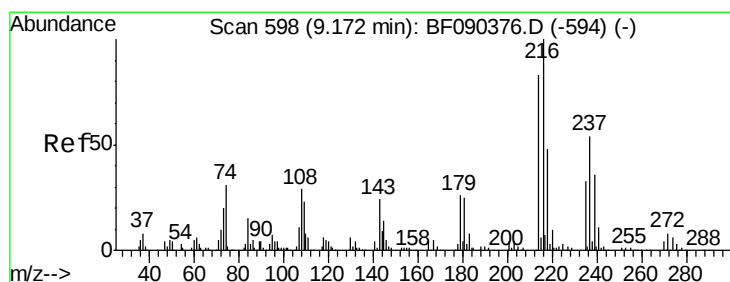
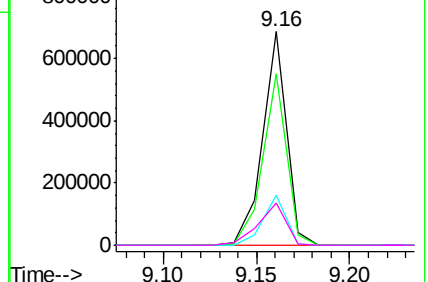
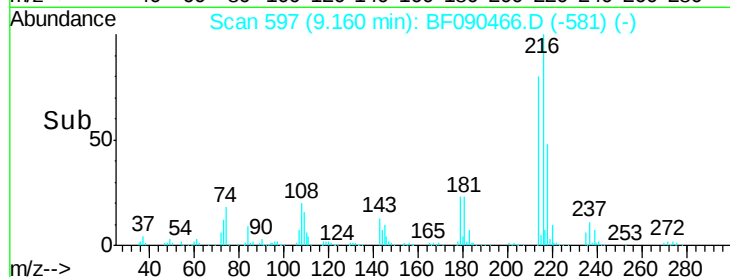


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 62.98 ng

RT: 9.15 min Scan# 596

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

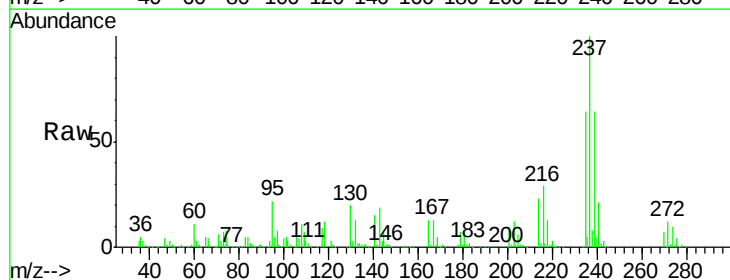
Tgt Ion:237 Resp: 461827

Ion Ratio Lower Upper

237 100

235 64.0 43.6 83.6

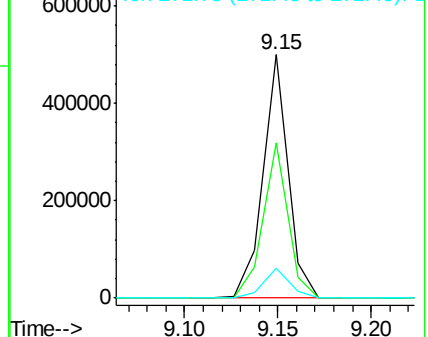
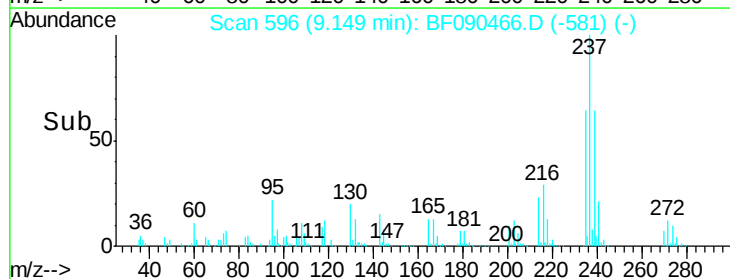
272 12.2 0.0 32.7

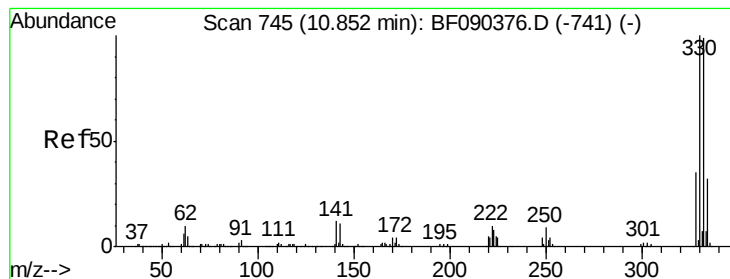


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 174.29 ng

RT: 10.84 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

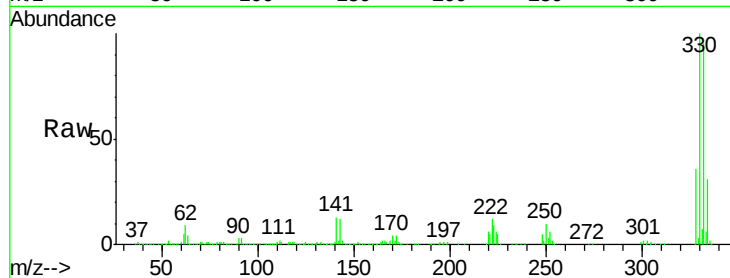
Tgt Ion:330 Resp: 719094

Ion Ratio Lower Upper

330 100

332 95.3 75.4 113.0

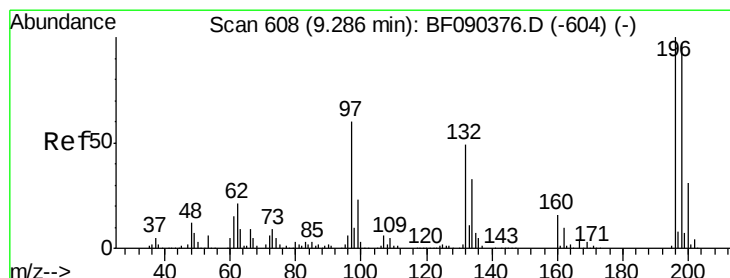
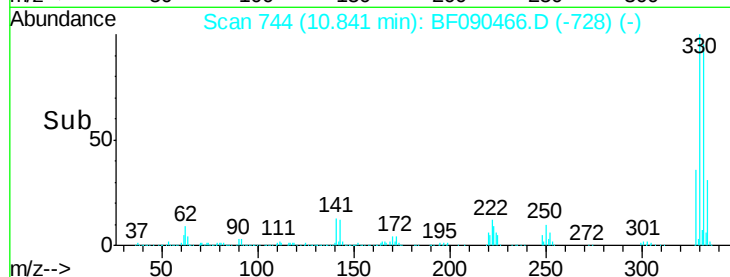
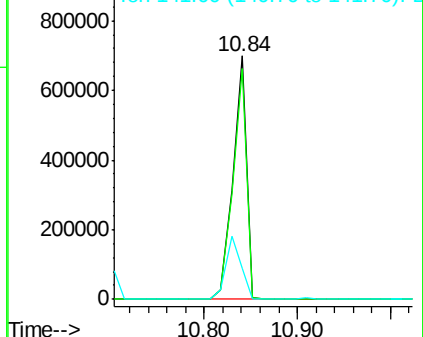
141 28.4 26.9 40.3



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42

2,4,6-Trichlorophenol

Concen: 48.45 ng

RT: 9.27 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

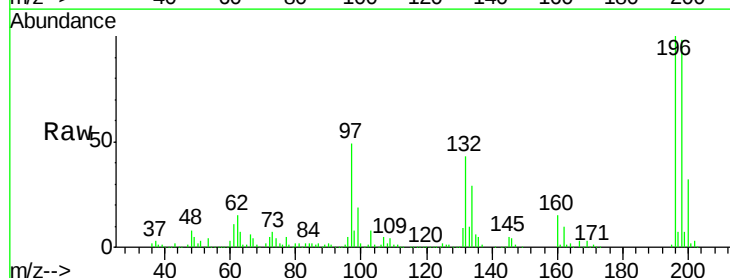
Tgt Ion:196 Resp: 447202

Ion Ratio Lower Upper

196 100

198 98.2 78.9 118.3

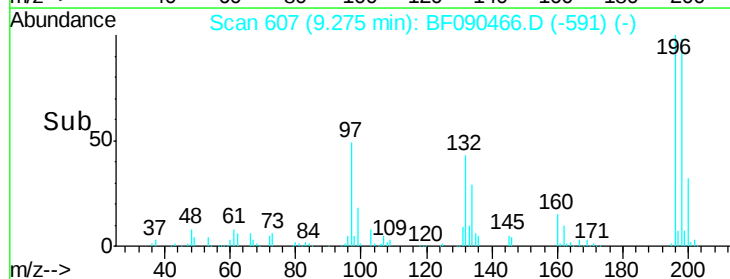
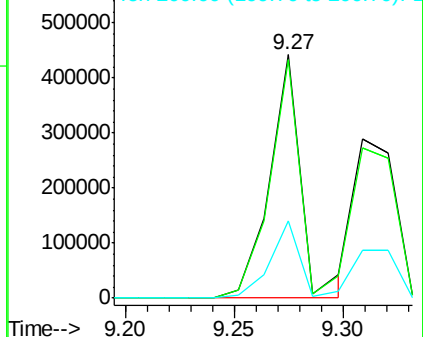
200 31.7 25.4 38.2

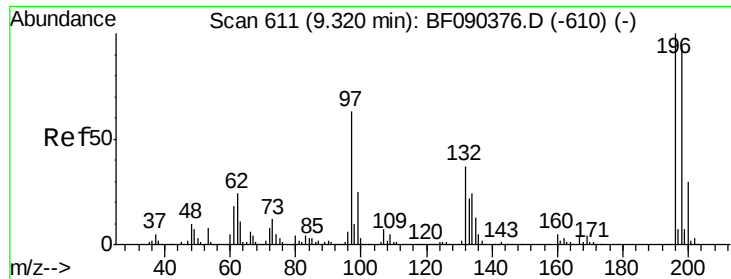


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

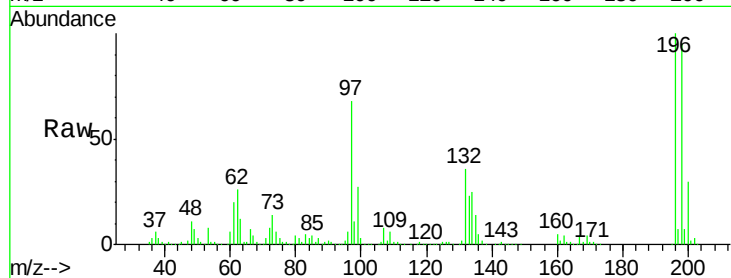




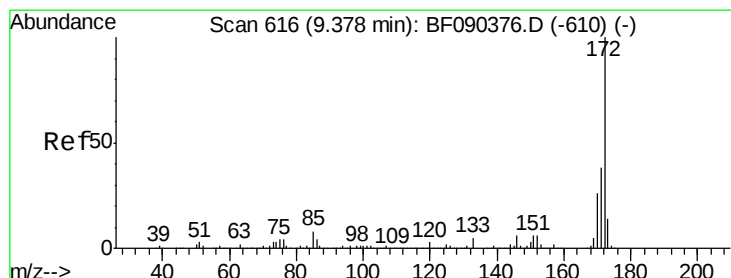
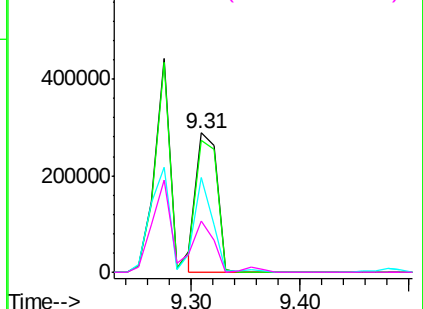
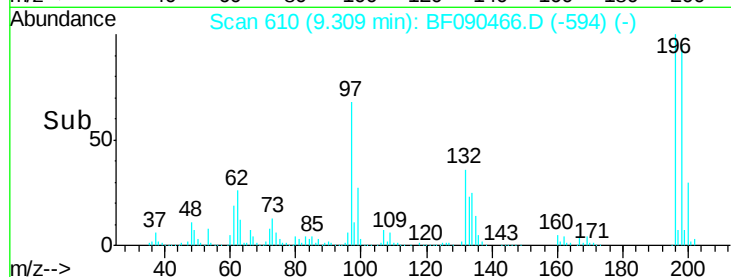
#43
 2,4,5-Trichlorophenol
 Concen: 44.10 ng
 RT: 9.31 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion:196 Resp: 384890
 Ion Ratio Lower Upper
 196 100
 198 94.9 78.1 117.1
 97 68.1 48.1 72.1
 132 36.3 27.4 41.2

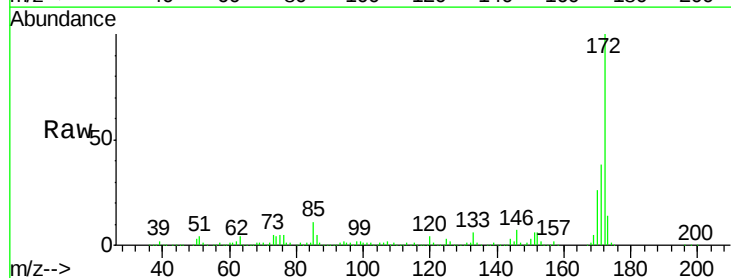


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

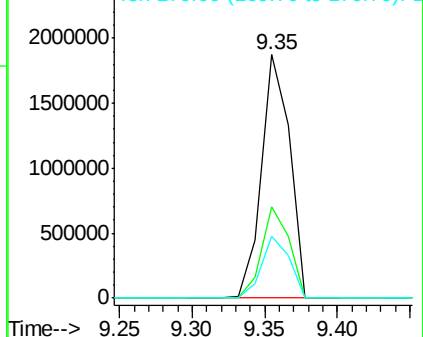
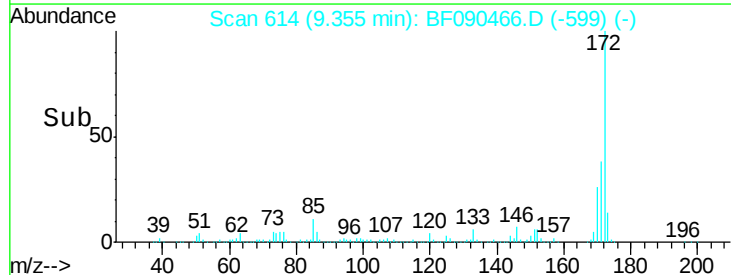


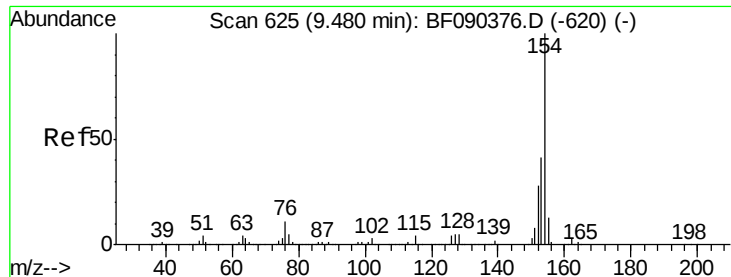
#44
 2-Fluorobiphenyl
 Concen: 82.72 ng
 RT: 9.35 min Scan# 614
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:172 Resp: 2519184
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.8 47.8
 170 25.5 21.7 32.5



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

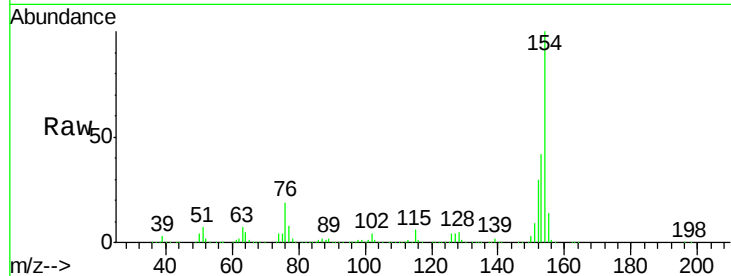




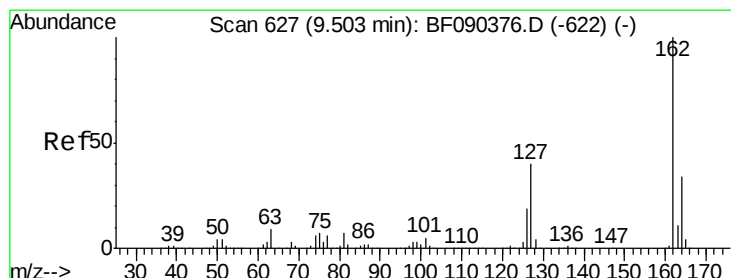
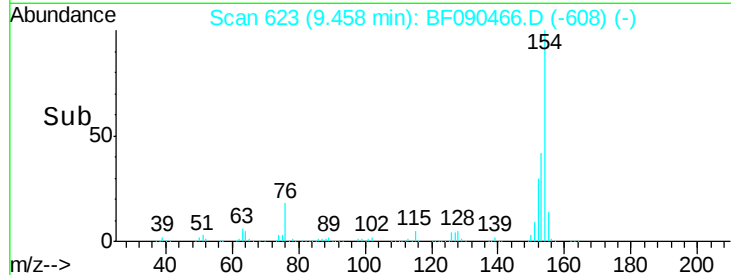
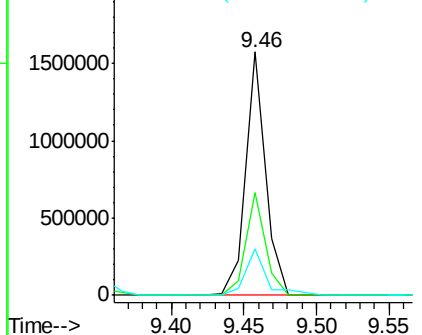
#45
 1,1'-Biphenyl
 Concen: 39.88 ng
 RT: 9.46 min Scan# 623
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion:154 Resp: 1499529
 Ion Ratio Lower Upper
 154 100
 153 42.4 23.8 63.8
 76 19.3 0.0 35.8

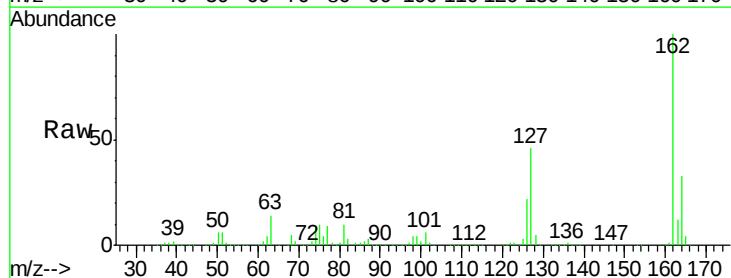


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

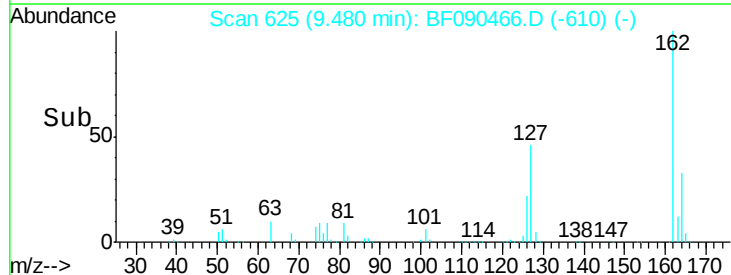
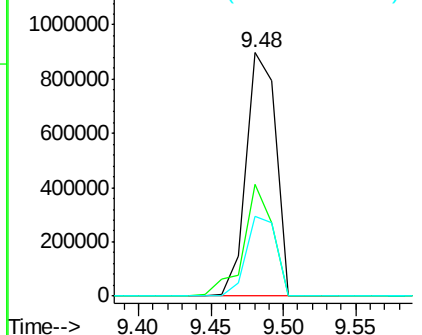


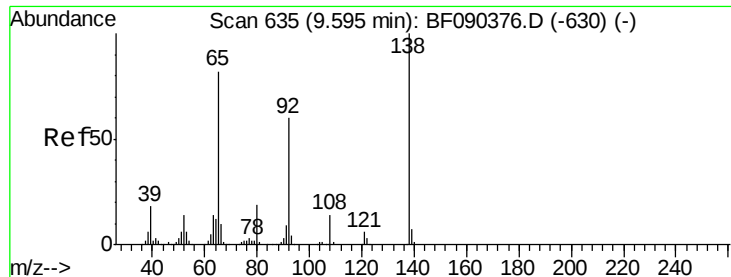
#46
 2-Chloronaphthalene
 Concen: 45.59 ng
 RT: 9.48 min Scan# 625
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:162 Resp: 1266425
 Ion Ratio Lower Upper
 162 100
 127 46.0 35.6 53.4
 164 33.0 27.5 41.3



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

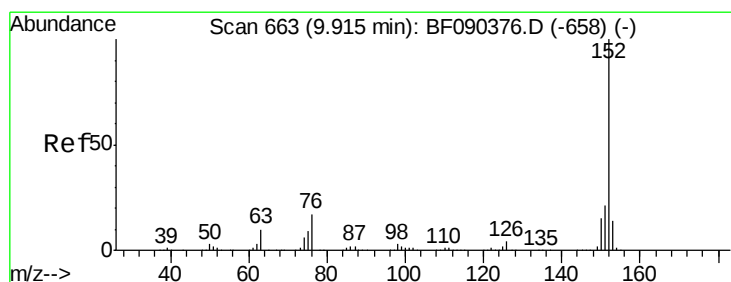
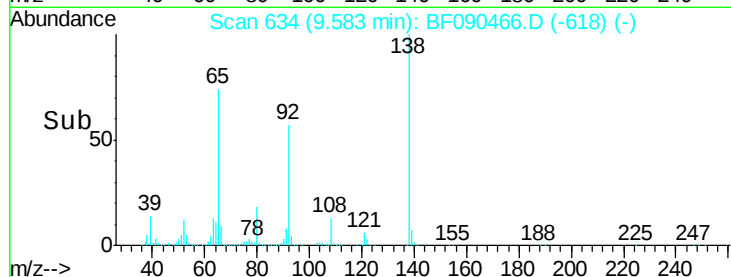
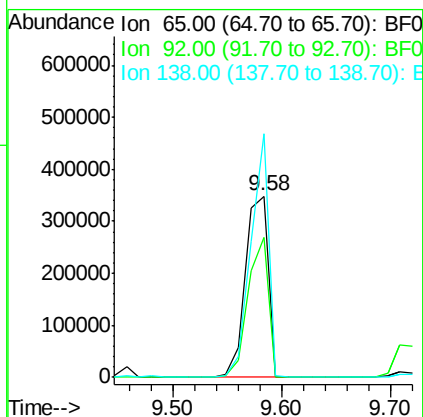
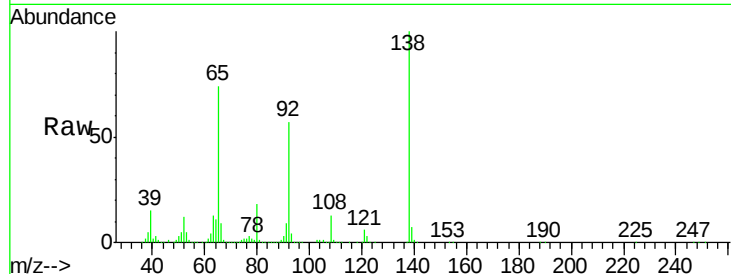




#47
2-Nitroaniline
Concen: 46.22 ng
RT: 9.58 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

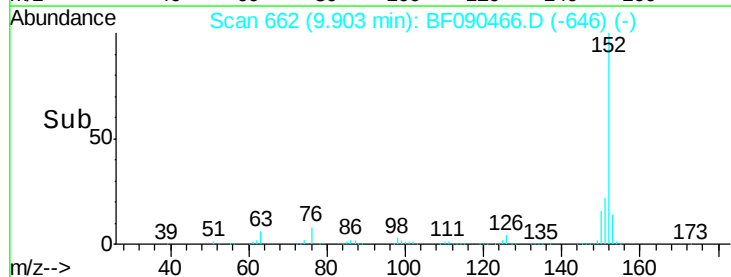
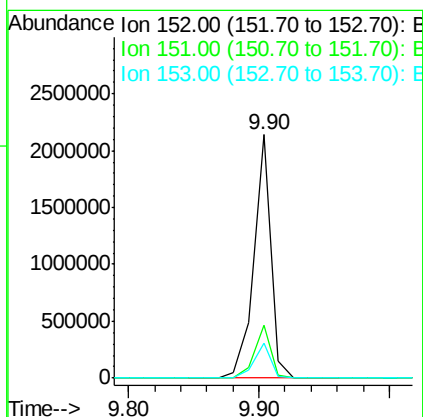
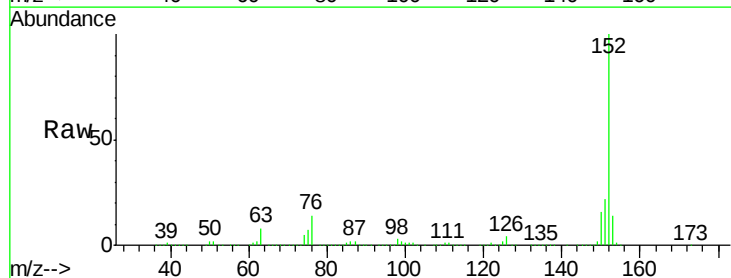
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

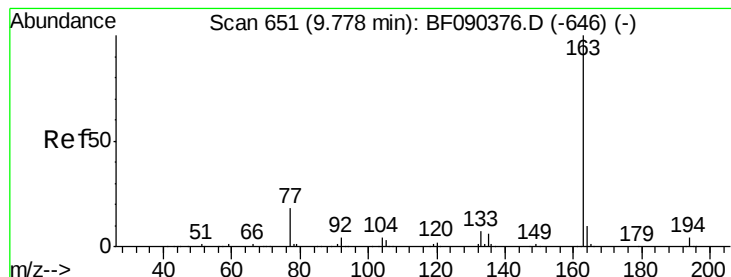
Tgt Ion: 65 Resp: 506581
Ion Ratio Lower Upper
65 100
92 77.1 51.7 77.5
138 134.6 79.0 118.4#



#48
Acenaphthylene
Concen: 42.24 ng
RT: 9.90 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion: 152 Resp: 1936261
Ion Ratio Lower Upper
152 100
151 21.6 17.4 26.0
153 14.3 11.6 17.4





#49

Dimethylphthalate

Concen: 53.06 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

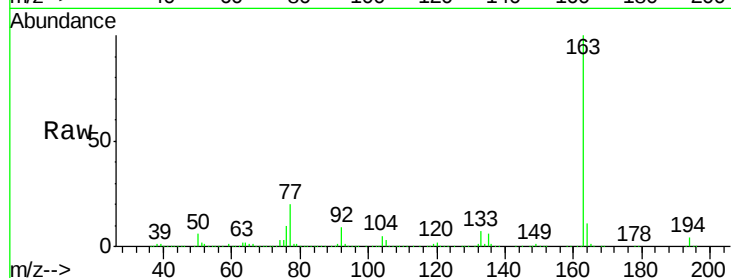
Tgt Ion:163 Resp: 1724188

Ion Ratio Lower Upper

163 100

194 3.9 2.8 4.2

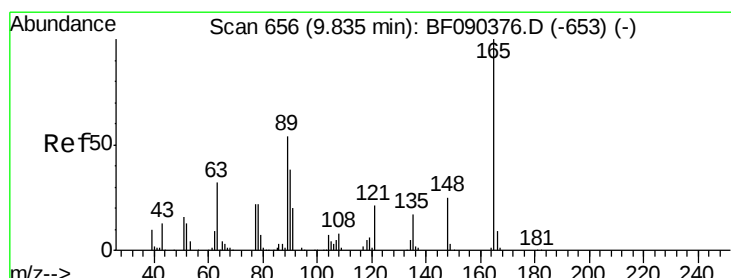
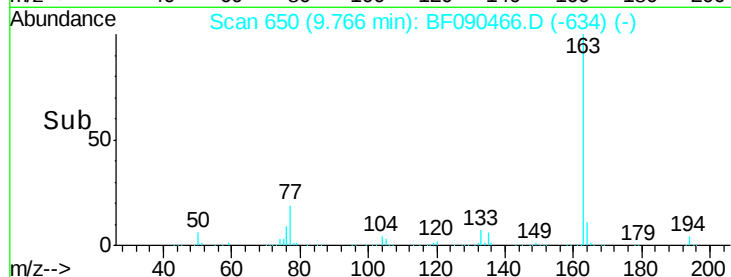
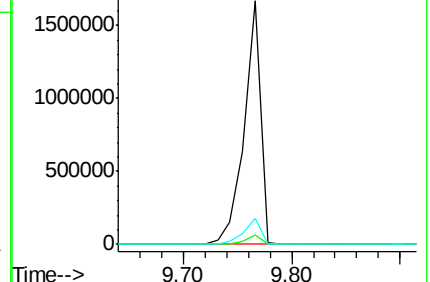
164 10.6 9.0 13.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 52.59 ng

RT: 9.82 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

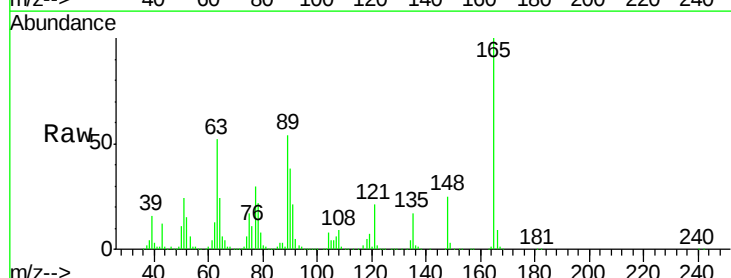
Tgt Ion:165 Resp: 379418

Ion Ratio Lower Upper

165 100

63 52.2 58.0 87.0#

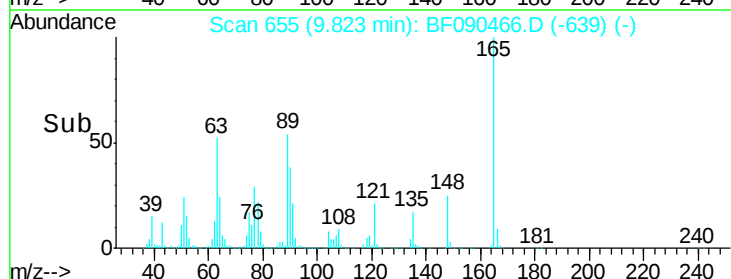
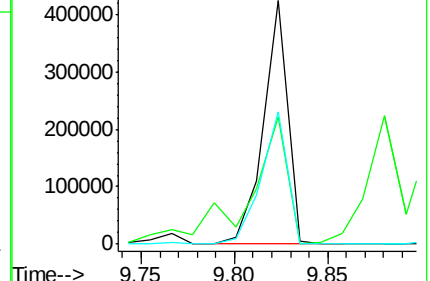
89 54.1 51.2 76.8

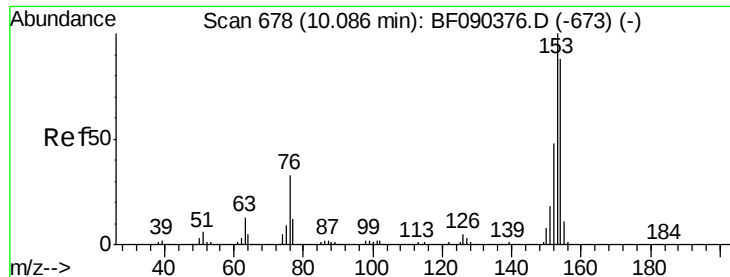


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.46 ng

RT: 10.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

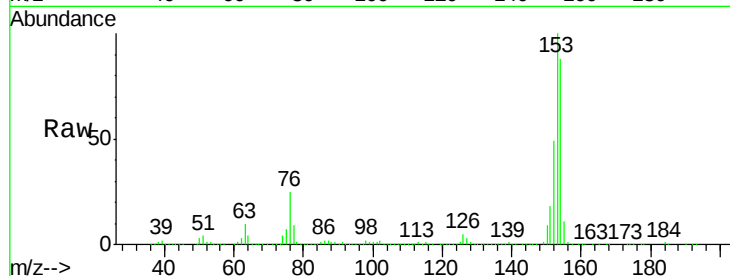
Tgt Ion:154 Resp: 1299143

Ion Ratio Lower Upper

154 100

153 113.7 88.6 133.0

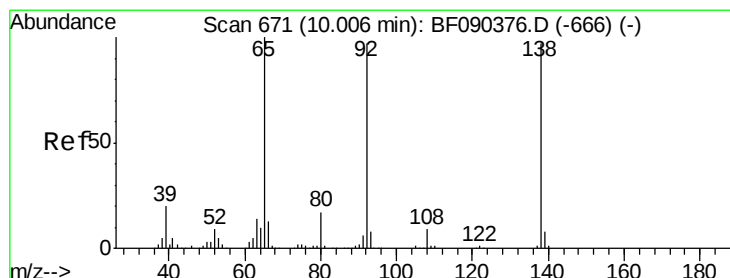
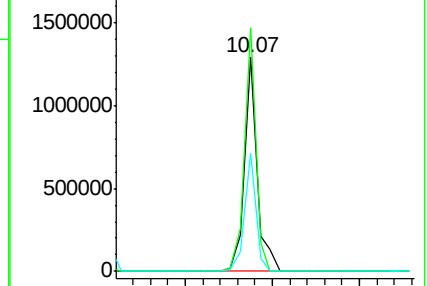
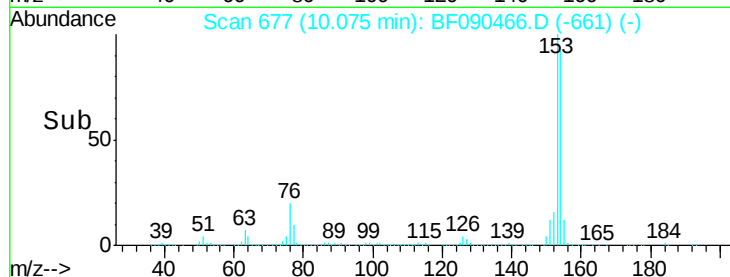
152 55.2 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 29.01 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

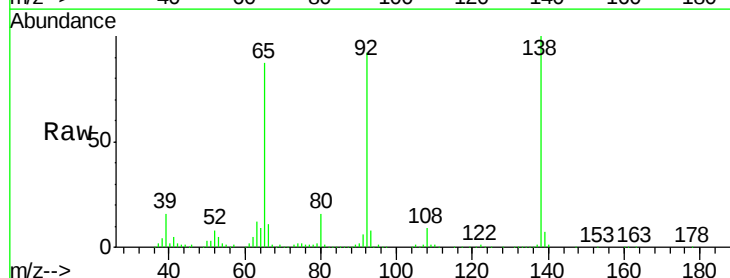
Tgt Ion:138 Resp: 244476

Ion Ratio Lower Upper

138 100

108 8.8 9.7 14.5#

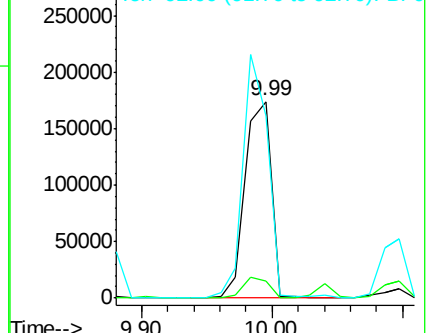
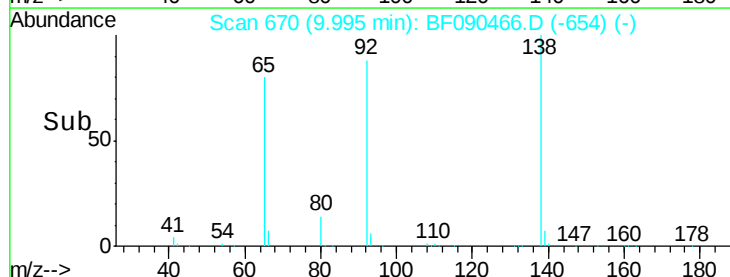
92 92.4 97.1 145.7#

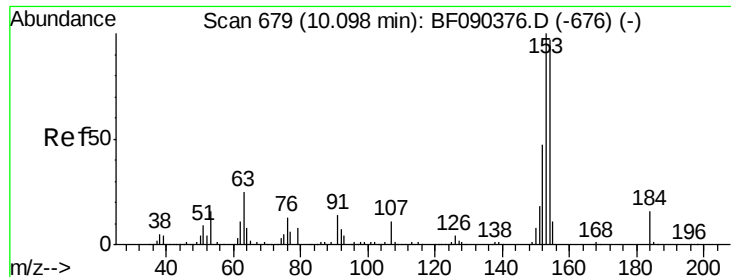


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

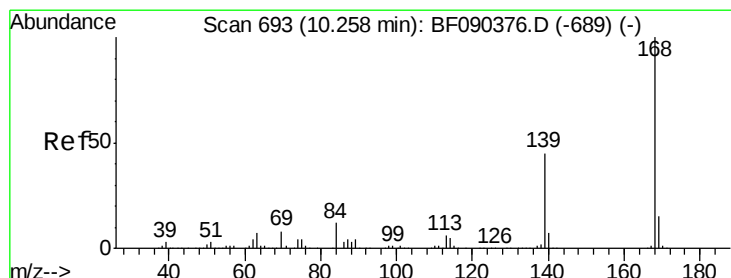
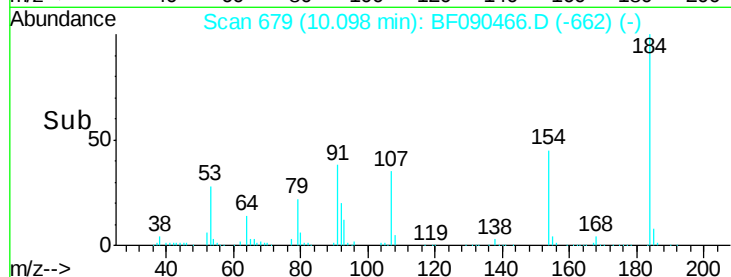
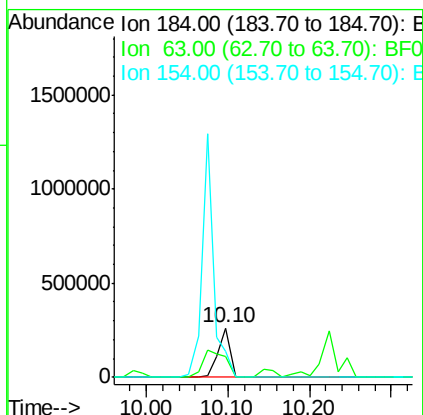
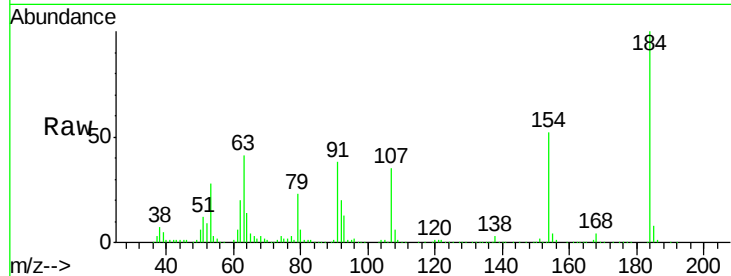




#53
2,4-Dinitrophenol
Concen: 83.67 ng
RT: 10.10 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

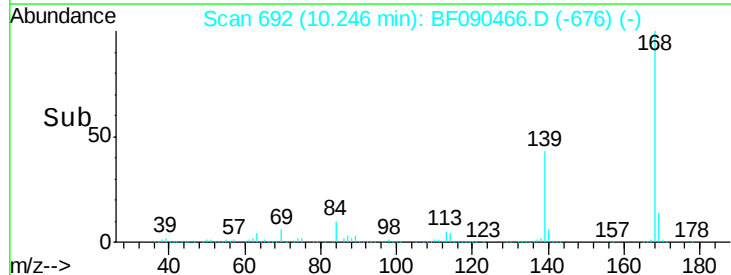
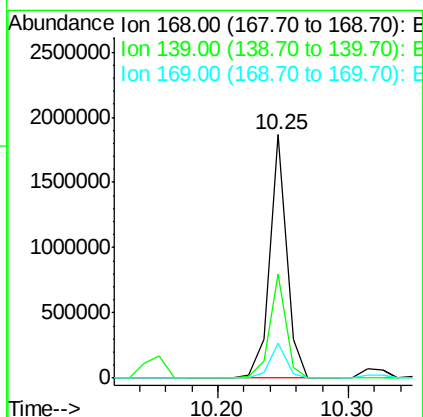
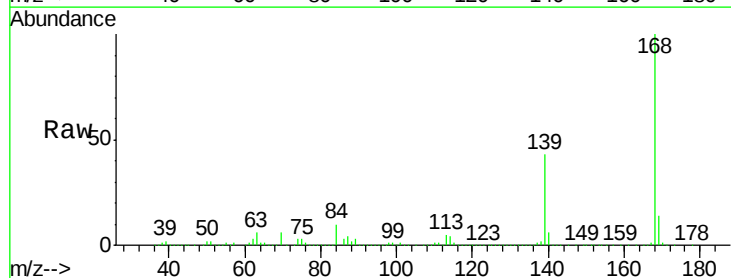
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

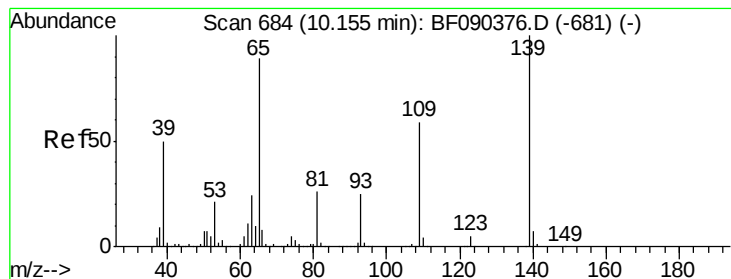
Tgt Ion:184 Resp: 269144
Ion Ratio Lower Upper
184 100
63 41.4 41.9 62.9#
154 52.4 48.9 73.3



#54
Dibenzofuran
Concen: 46.02 ng
RT: 10.25 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:168 Resp: 1702507
Ion Ratio Lower Upper
168 100
139 42.7 29.6 44.4
169 14.4 11.3 16.9





#55

4-Nitrophenol

Concen: 28.31 ng

RT: 10.15 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

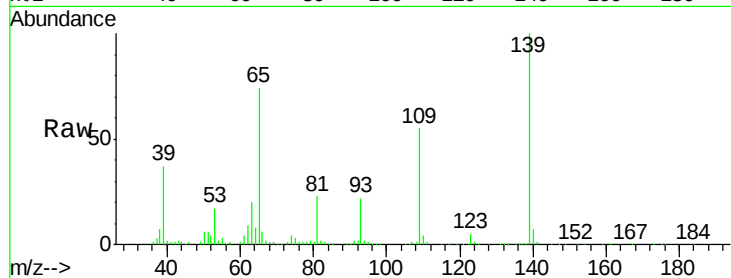
Tgt Ion:139 Resp: 208742

Ion Ratio Lower Upper

139 100

109 54.6 43.6 83.6

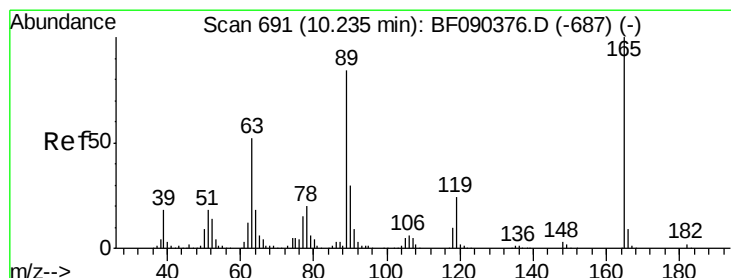
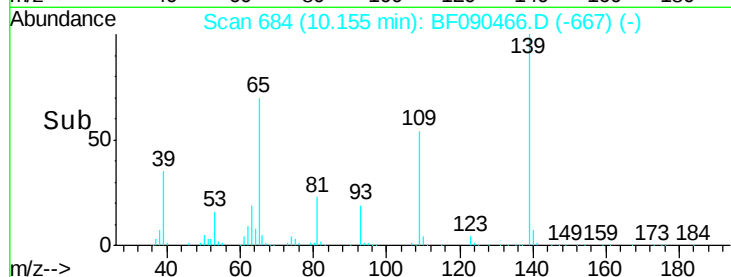
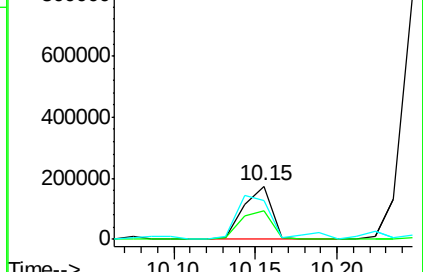
65 74.1 87.5 127.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 46.12 ng

RT: 10.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Tgt Ion:165 Resp: 442837

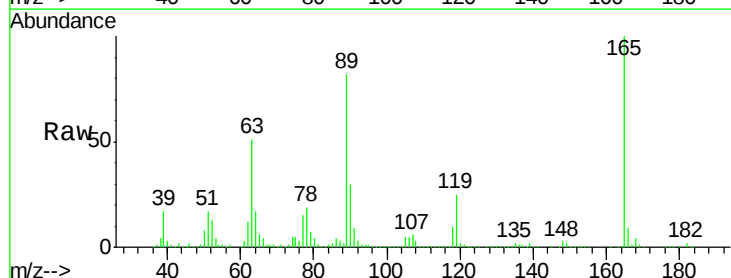
Ion Ratio Lower Upper

165 100

63 50.8 17.8 26.6#

89 81.8 33.2 49.8#

182 2.2 2.1 3.1

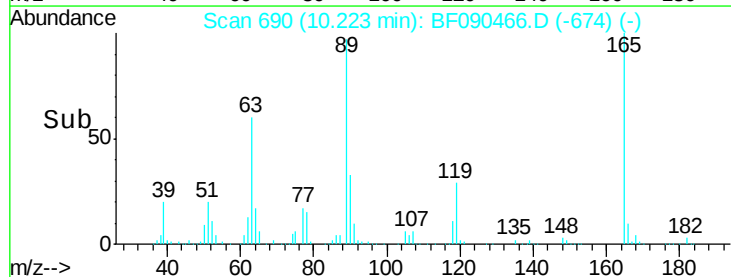
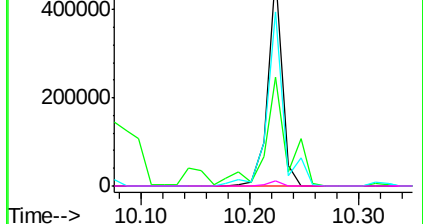


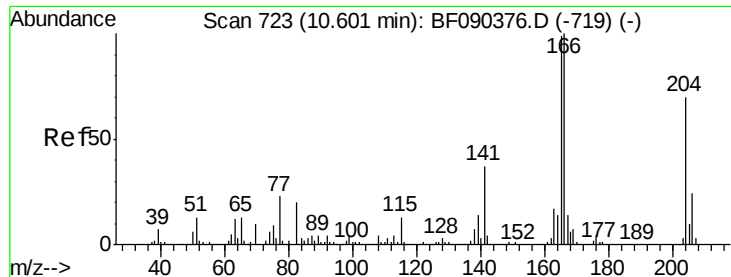
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

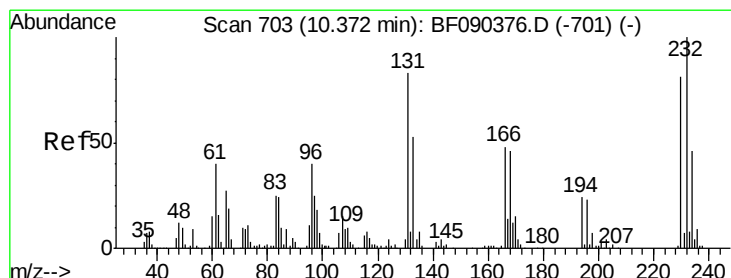
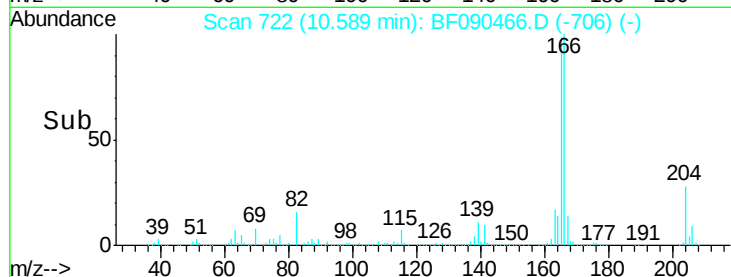
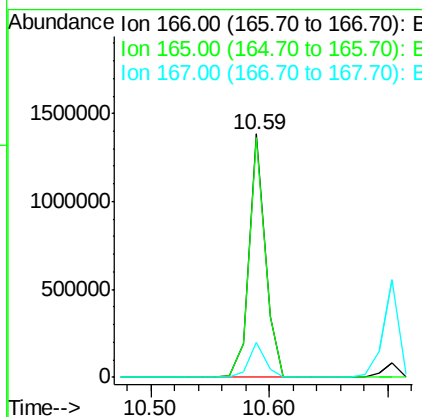
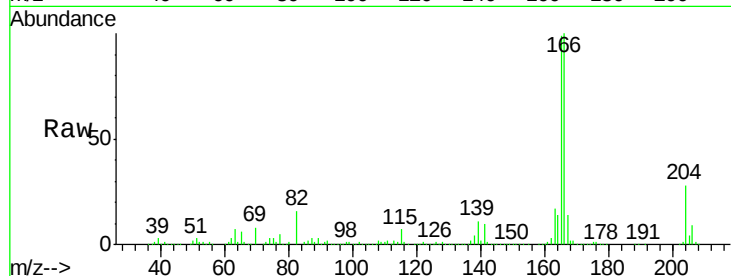




#57
Fluorene
 Concen: 42.79 ng
 RT: 10.59 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

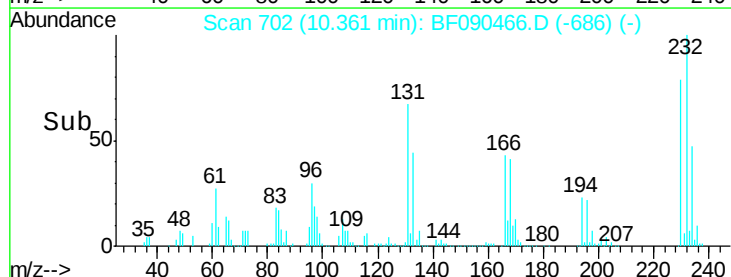
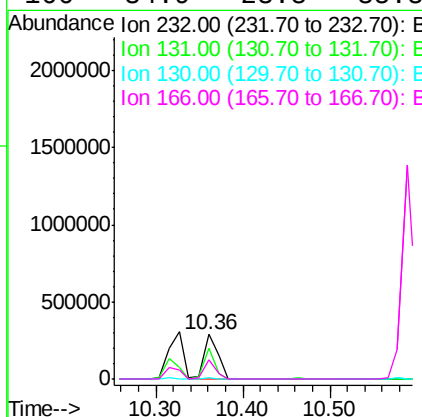
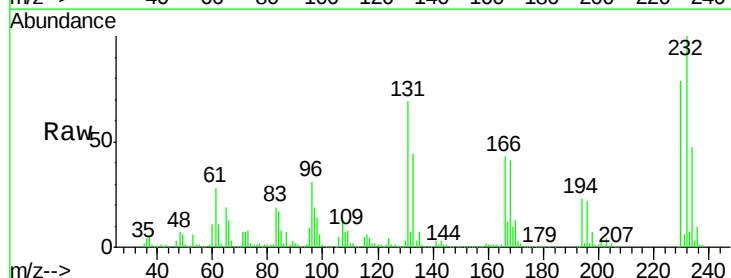
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

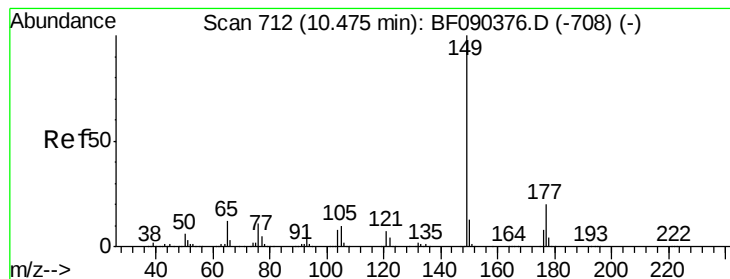
Tgt Ion:166 Resp: 1330128
 Ion Ratio Lower Upper
 166 100
 165 98.7 79.2 118.8
 167 14.2 11.1 16.7



#58
2,3,4,6-Tetrachlorophenol
 Concen: 49.03 ng
 RT: 10.36 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:232 Resp: 319623
 Ion Ratio Lower Upper
 232 100
 131 53.5 34.5 51.7#
 130 2.6 1.6 2.4#
 166 34.9 23.8 35.8





#59

Diethylphthalate

Concen: 47.42 ng

RT: 10.46 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

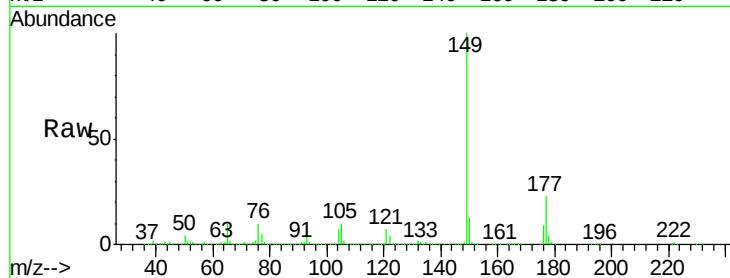
Tgt Ion:149 Resp: 1594419

Ion Ratio Lower Upper

149 100

177 22.6 21.1 31.7

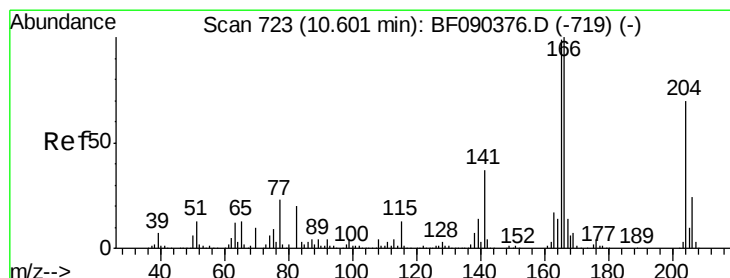
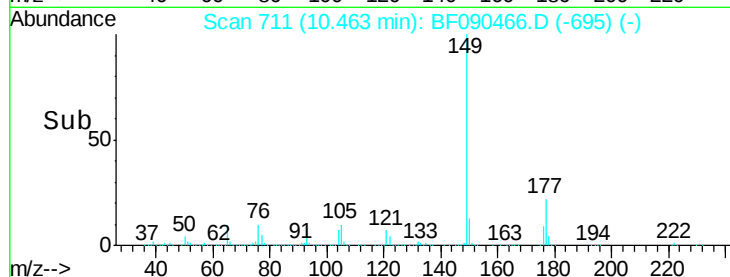
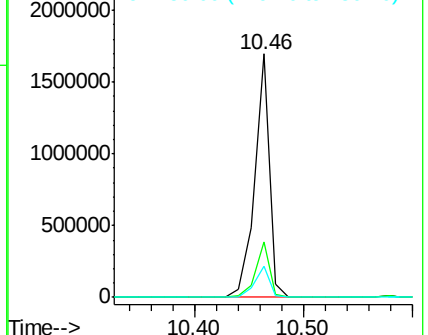
150 13.0 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.34 ng

RT: 10.58 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

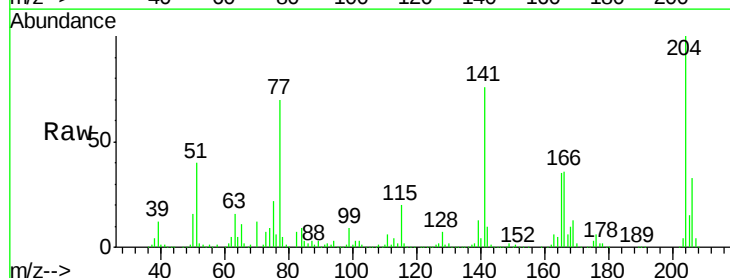
Tgt Ion:204 Resp: 654988

Ion Ratio Lower Upper

204 100

206 33.1 26.7 40.1

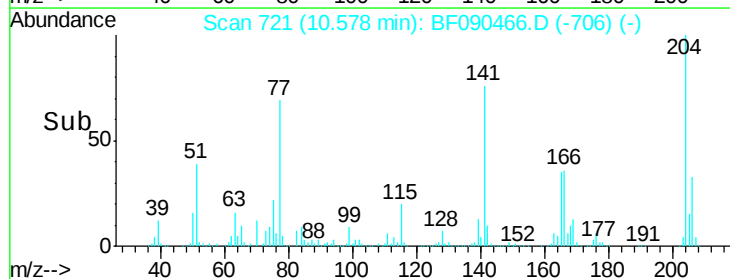
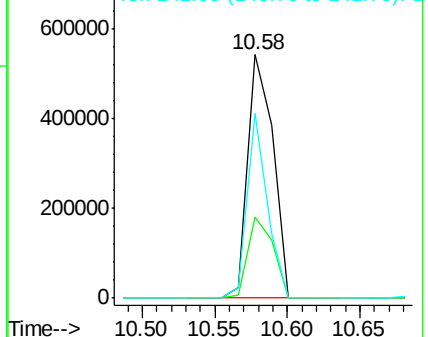
141 75.9 51.7 77.5

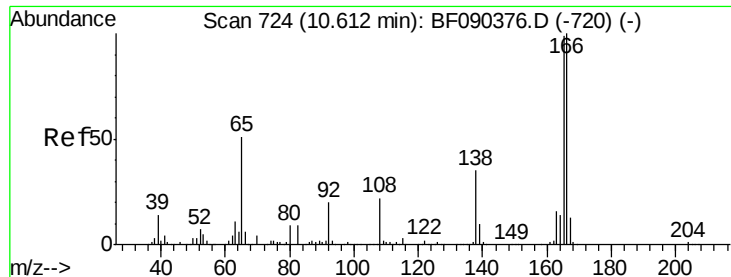


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

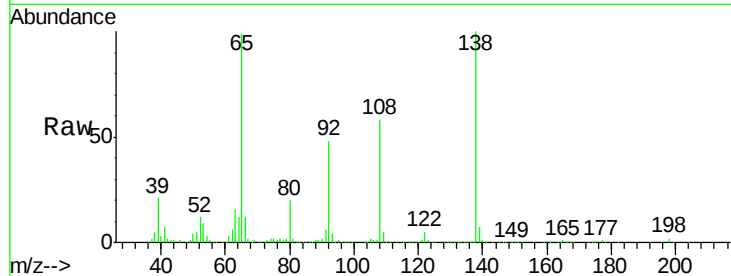




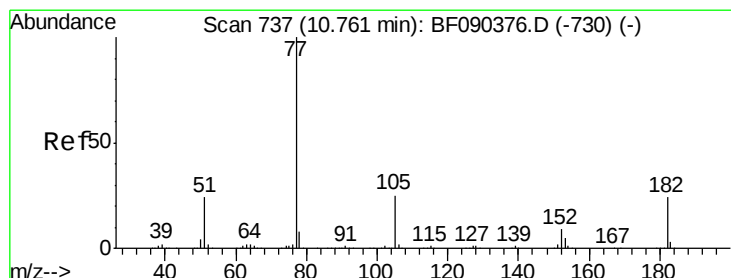
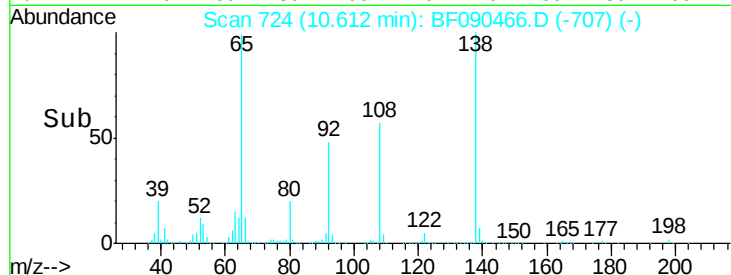
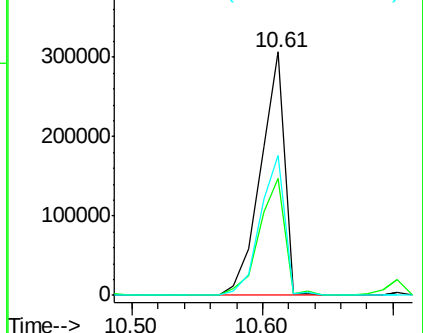
#61
4-Nitroaniline
Concen: 46.25 ng
RT: 10.61 min Scan# 724
Delta R.T. 0.00 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tgt Ion:138 Resp: 392686
Ion Ratio Lower Upper
138 100
92 48.1 33.2 73.2
108 57.5 48.5 88.5

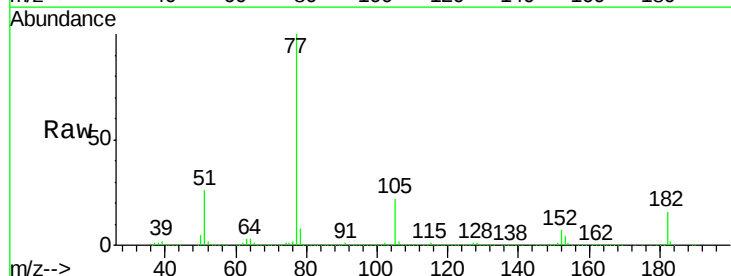


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

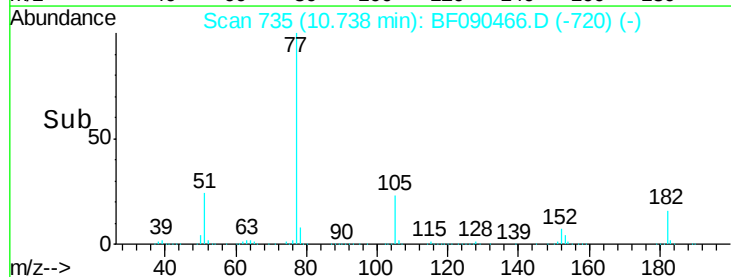
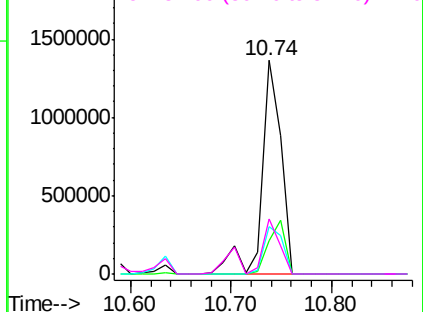


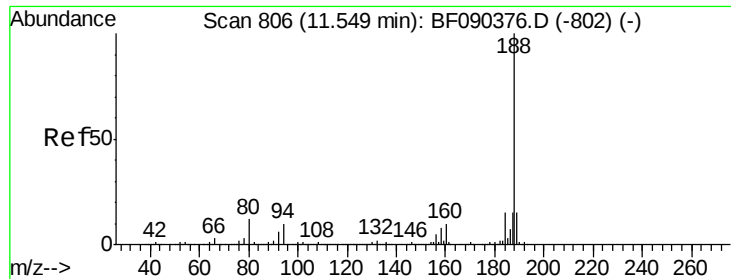
#62
Azobenzene
Concen: 46.86 ng
RT: 10.74 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion: 77 Resp: 1819763
Ion Ratio Lower Upper
77 100
182 15.7 3.2 43.2
105 22.1 2.9 42.9
51 25.6 14.2 54.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

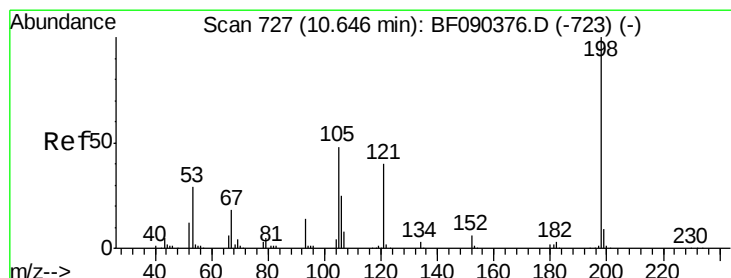
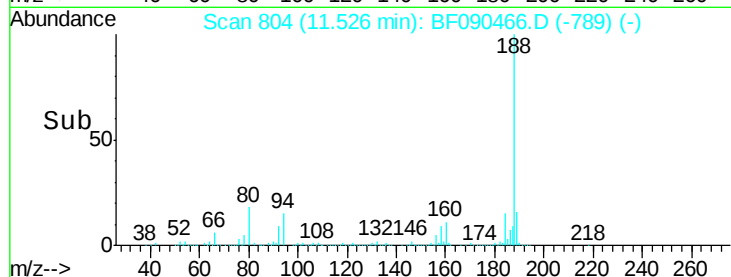
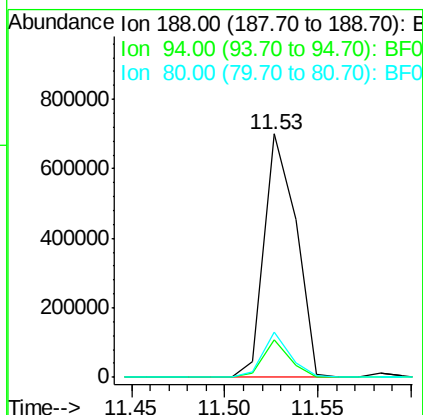
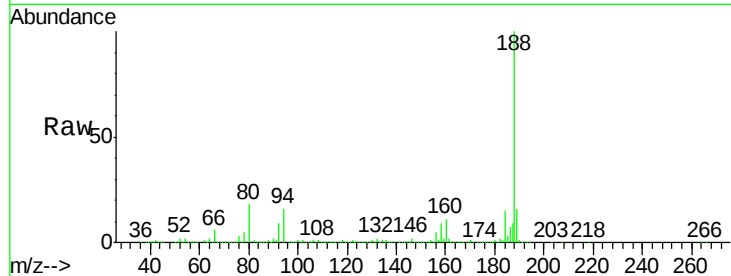




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

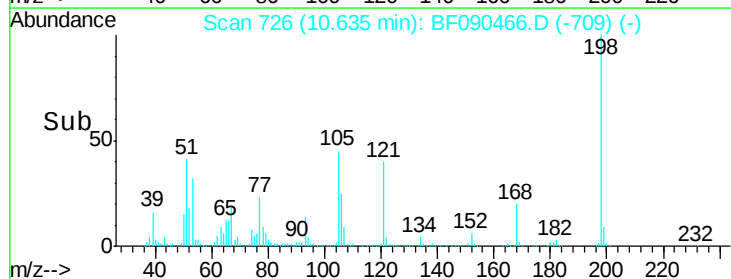
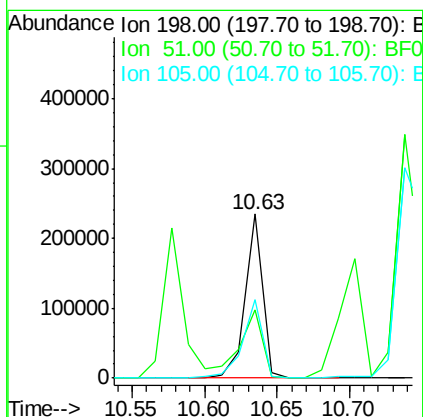
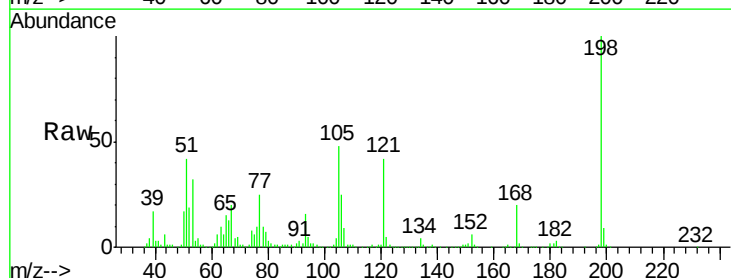
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

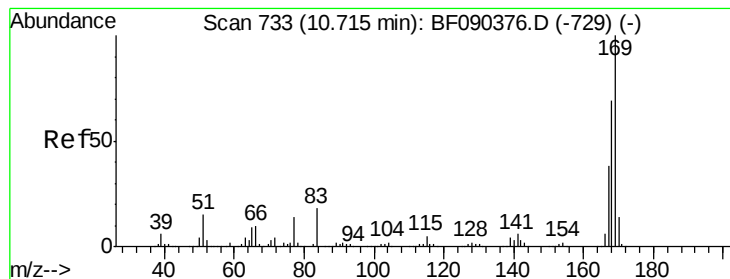
Tgt Ion:188 Resp: 827981
Ion Ratio Lower Upper
188 100
94 15.6 8.2 12.2#
80 18.5 8.8 13.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 36.52 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:198 Resp: 195947
Ion Ratio Lower Upper
198 100
51 41.9 67.3 107.3#
105 48.0 42.6 82.6

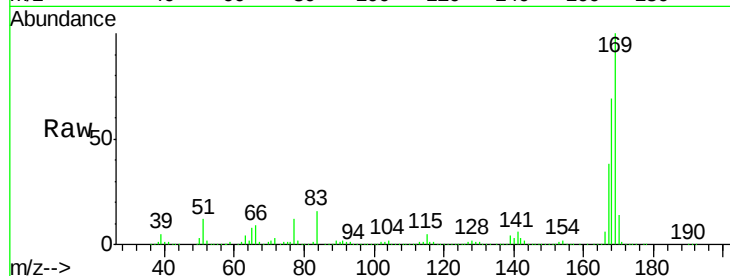




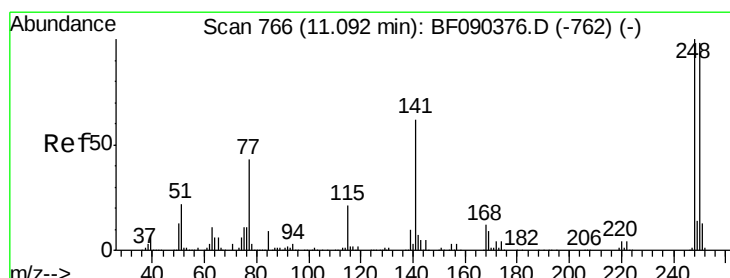
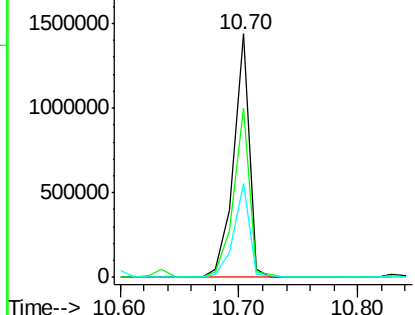
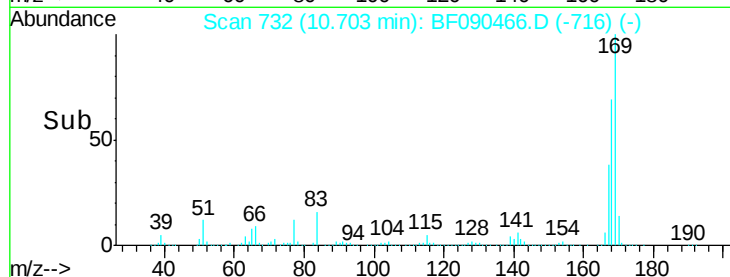
#65
 n-Nitrosodiphenylamine
 Concen: 47.81 ng
 RT: 10.70 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion:169 Resp: 1326554
 Ion Ratio Lower Upper
 169 100
 168 69.5 53.8 80.6
 167 38.4 29.8 44.8

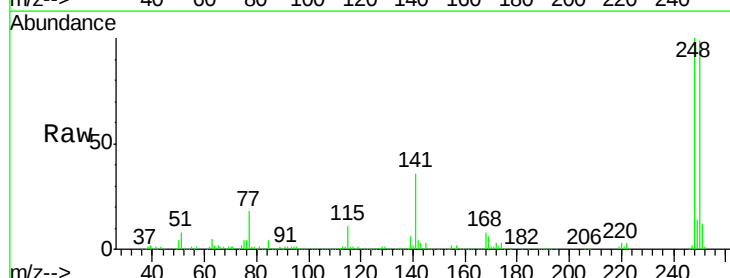


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

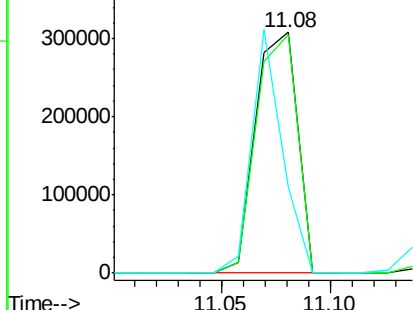
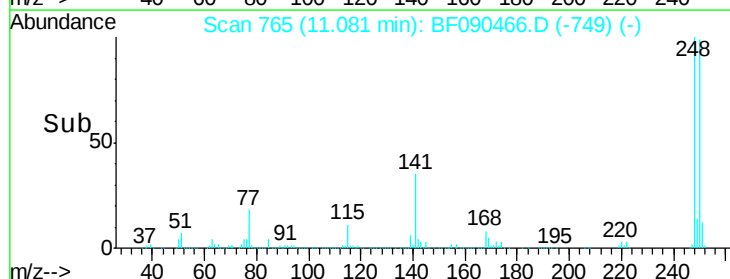


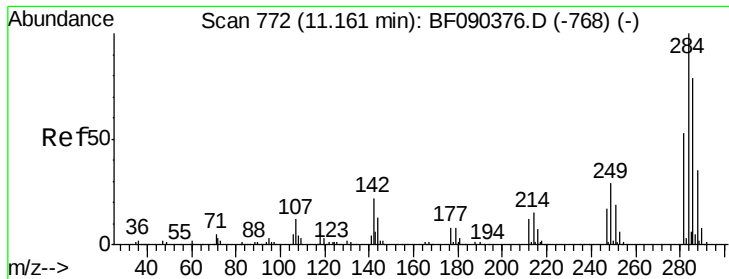
#66
 4-Bromophenyl-phenylether
 Concen: 50.95 ng
 RT: 11.08 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:248 Resp: 413554
 Ion Ratio Lower Upper
 248 100
 250 98.9 76.5 114.7
 141 36.1 59.8 89.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

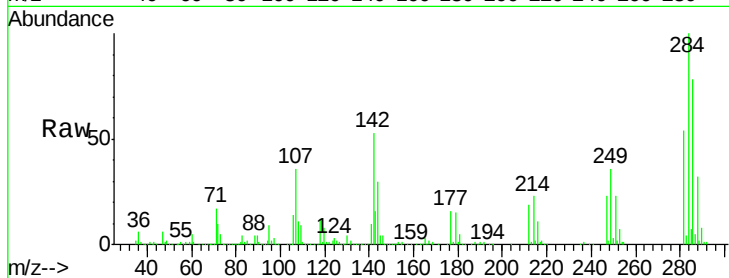




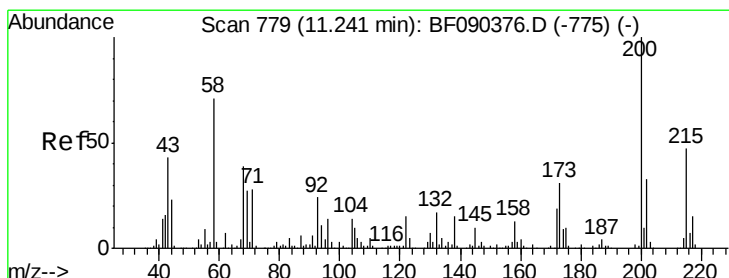
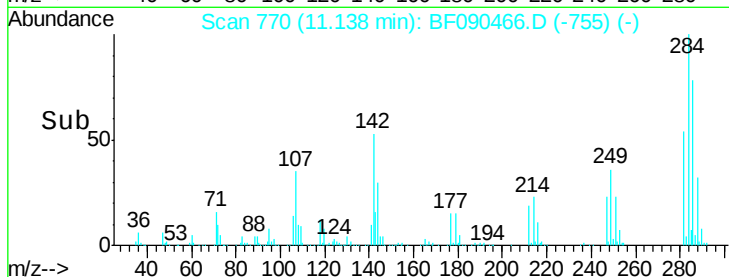
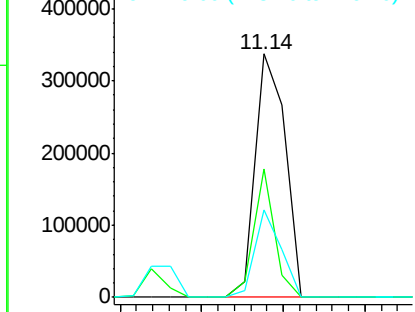
#67
Hexachlorobenzene
Concen: 47.65 ng
RT: 11.14 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tgt Ion: 284 Resp: 430709
Ion Ratio Lower Upper
284 100
142 52.8 23.1 34.7#
249 35.9 26.3 39.5

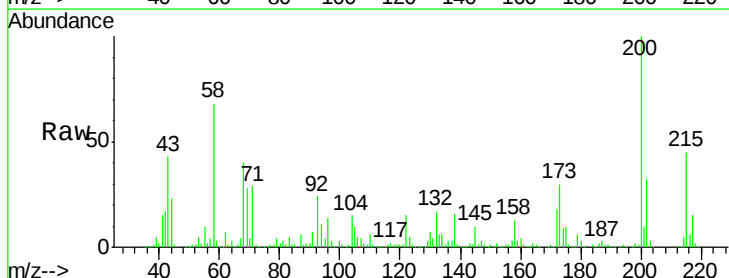


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

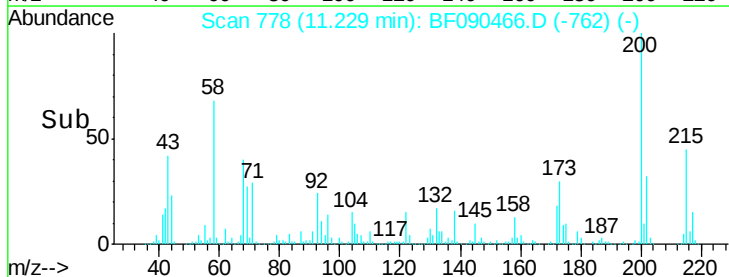
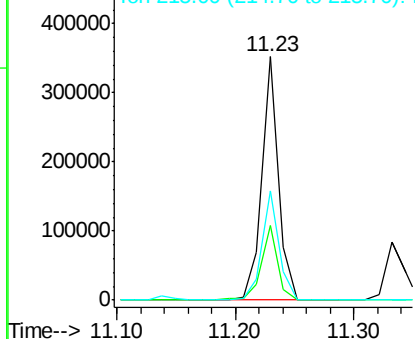


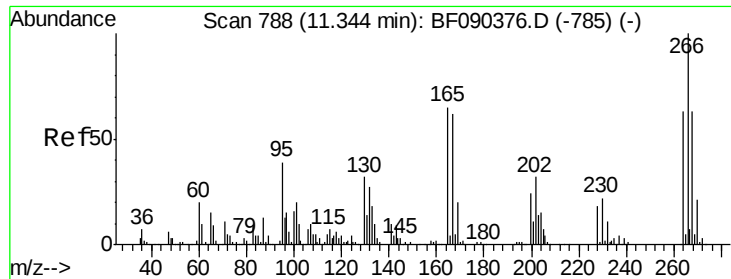
#68
Atrazine
Concen: 50.72 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion: 200 Resp: 347030
Ion Ratio Lower Upper
200 100
173 30.4 9.0 49.0
215 44.9 24.8 64.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

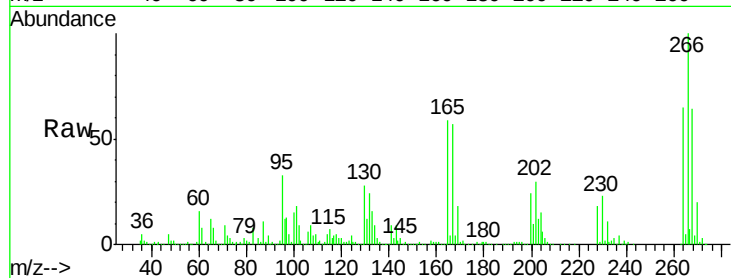




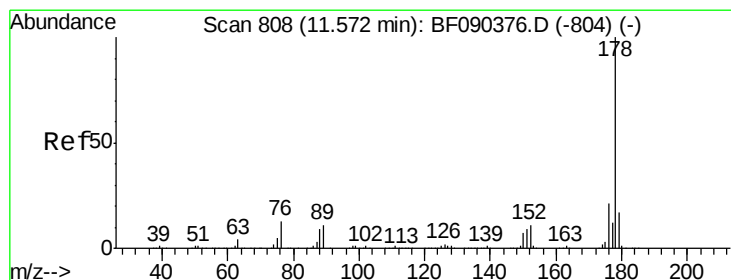
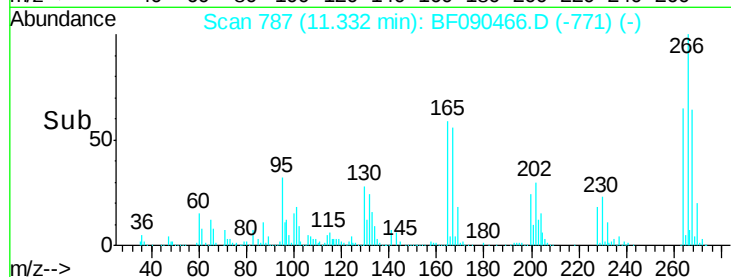
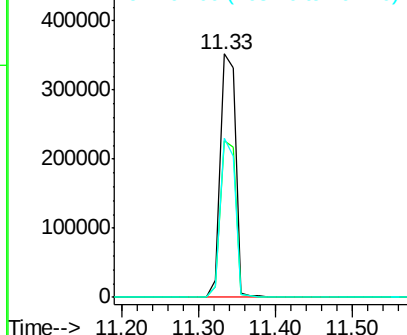
#69
 Pentachlorophenol
 Concen: 92.82 ng
 RT: 11.33 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion: 266 Resp: 499368
 Ion Ratio Lower Upper
 266 100
 268 64.3 50.9 76.3
 264 65.2 51.5 77.3

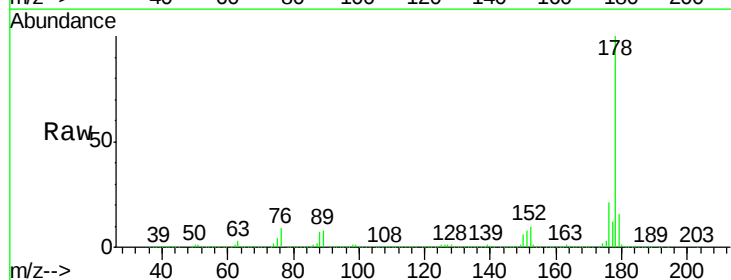


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

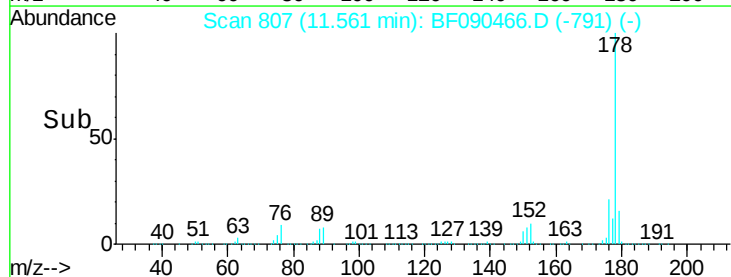
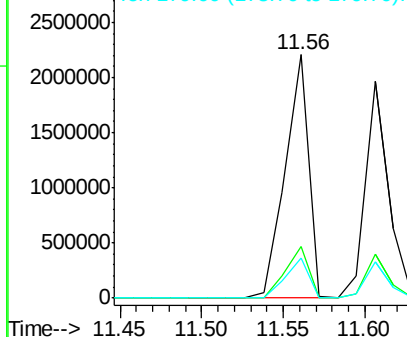


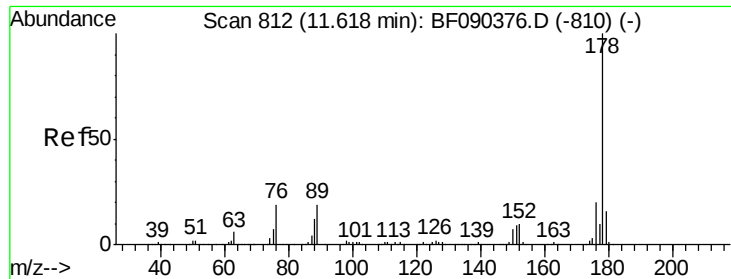
#70
 Phenanthrene
 Concen: 52.43 ng
 RT: 11.56 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 178 Resp: 2222816
 Ion Ratio Lower Upper
 178 100
 176 21.1 17.3 25.9
 179 16.4 13.8 20.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

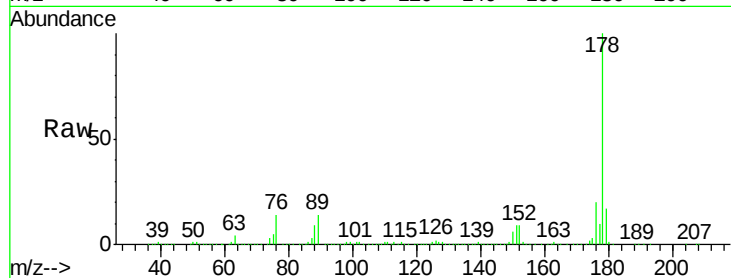




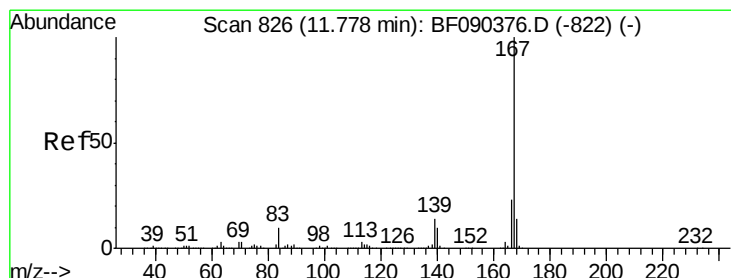
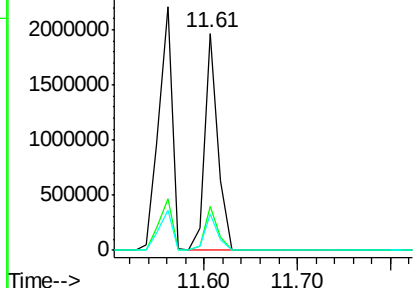
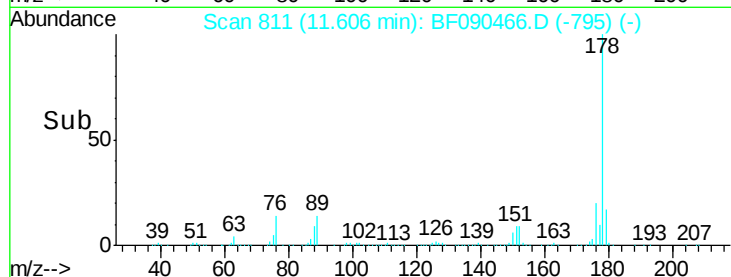
#71
 Anthracene
 Concen: 44.65 ng
 RT: 11.61 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tgt Ion:178 Resp: 1933170
 Ion Ratio Lower Upper
 178 100
 176 20.4 16.8 25.2
 179 16.7 13.4 20.2

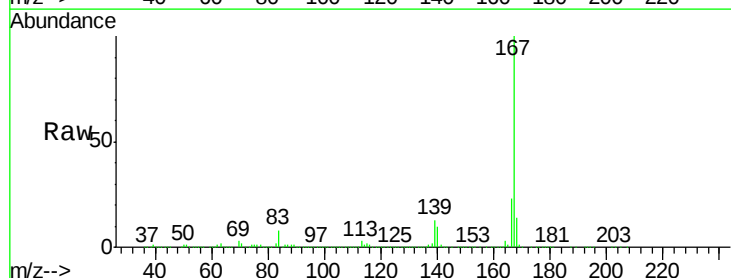


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

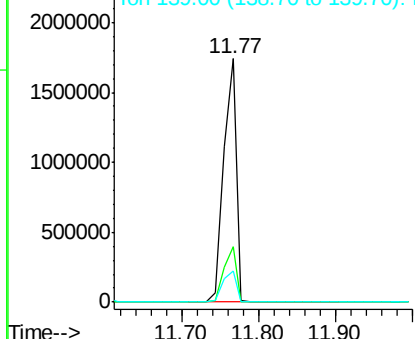
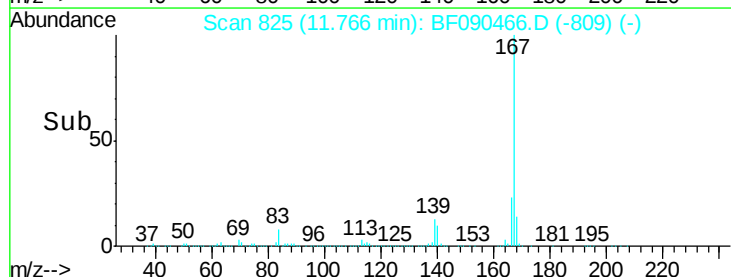


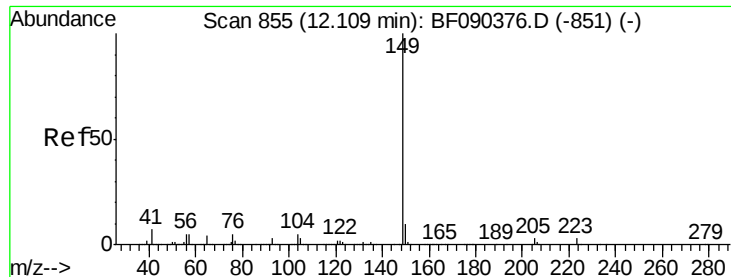
#72
 Carbazole
 Concen: 50.30 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:167 Resp: 2023251
 Ion Ratio Lower Upper
 167 100
 166 22.8 19.1 28.7
 139 12.9 12.1 18.1



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

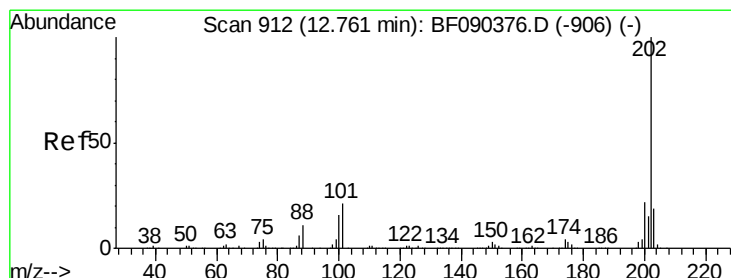
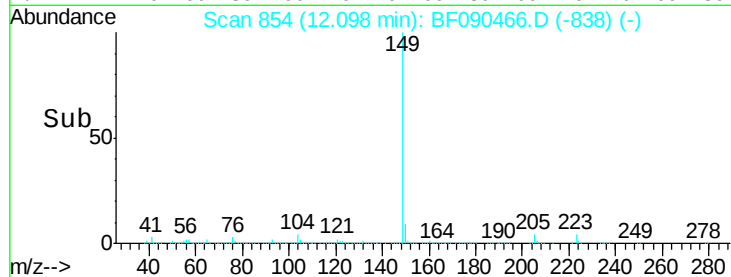
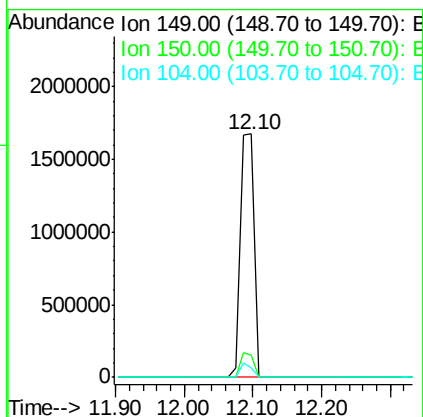
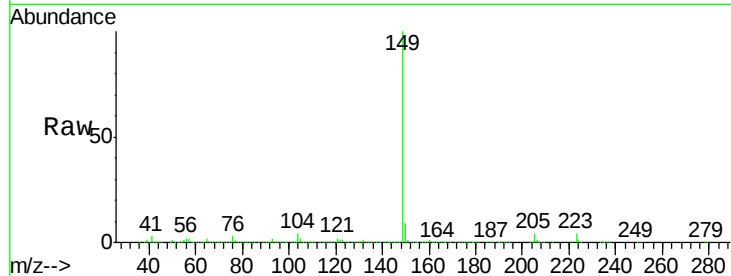




#73
Di-n-butylphthalate
Concen: 47.85 ng
RT: 12.10 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

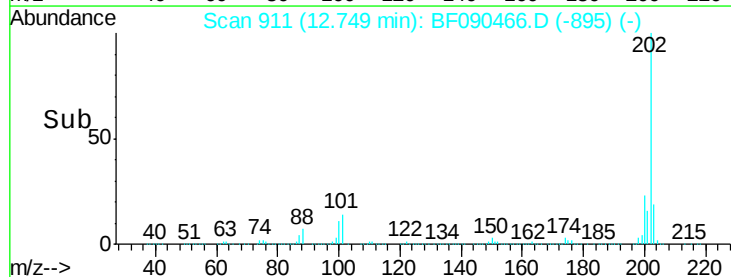
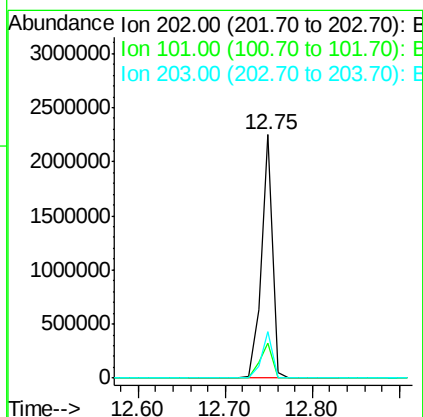
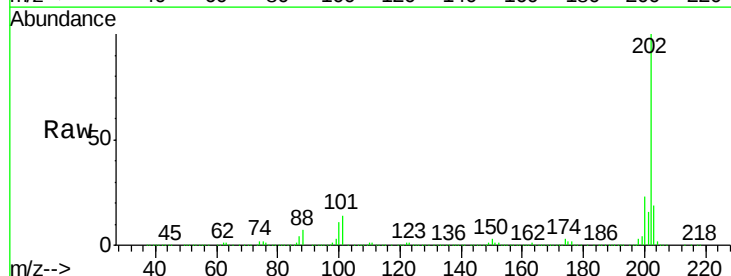
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

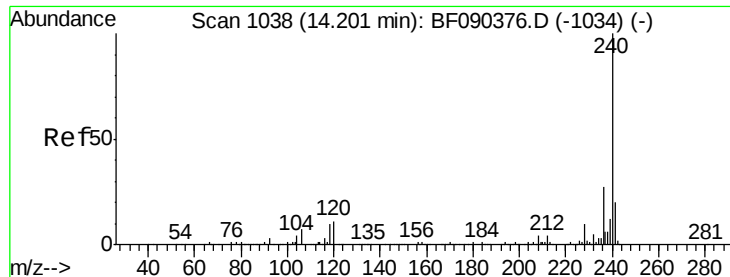
Tgt Ion:149 Resp: 2342623
Ion Ratio Lower Upper
149 100
150 9.2 8.6 12.8
104 3.6 4.7 7.1#



#74
Fluoranthene
Concen: 49.02 ng
RT: 12.75 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:202 Resp: 2038594
Ion Ratio Lower Upper
202 100
101 14.4 0.0 37.2
203 19.1 0.0 39.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

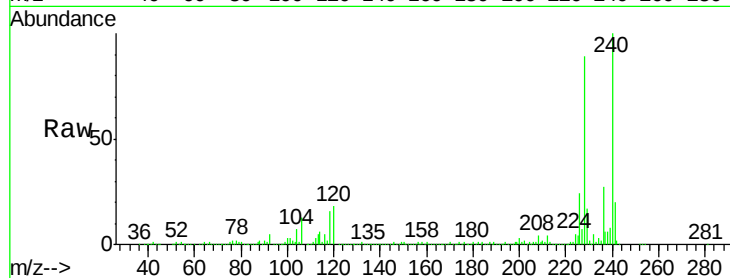
Tgt Ion:240 Resp: 566812

Ion Ratio Lower Upper

240 100

120 17.7 8.6 13.0#

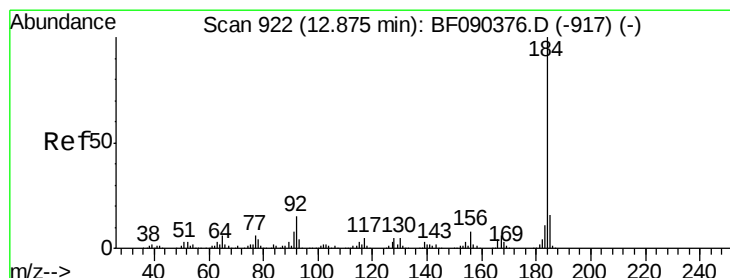
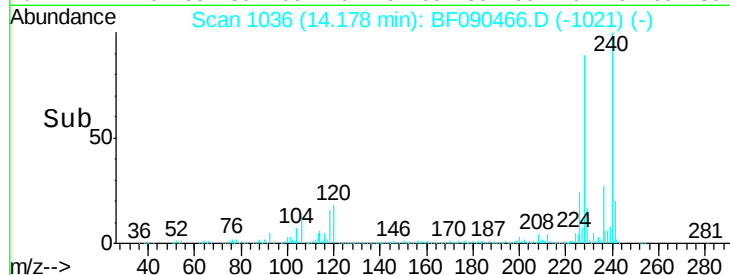
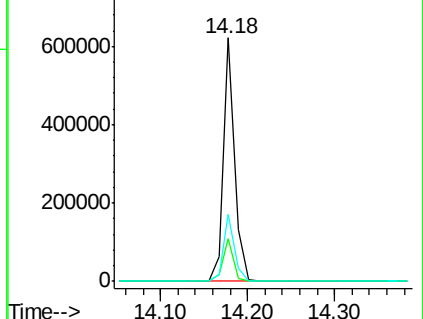
236 27.3 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 39.49 ng

RT: 12.86 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

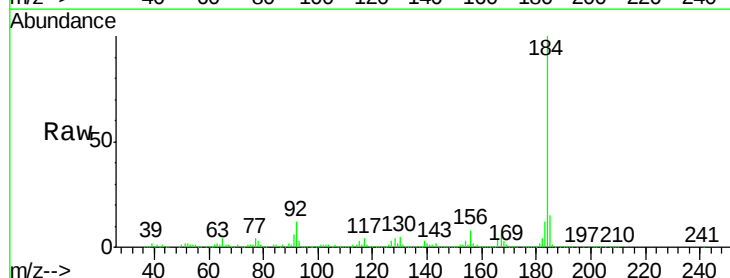
Tgt Ion:184 Resp: 588468

Ion Ratio Lower Upper

184 100

185 14.9 11.8 17.8

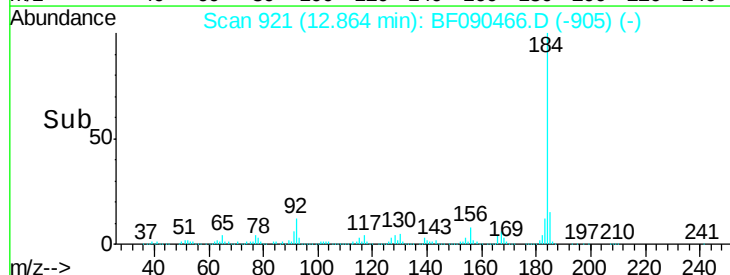
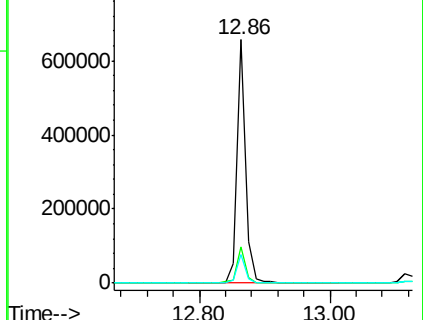
183 11.7 9.6 14.4

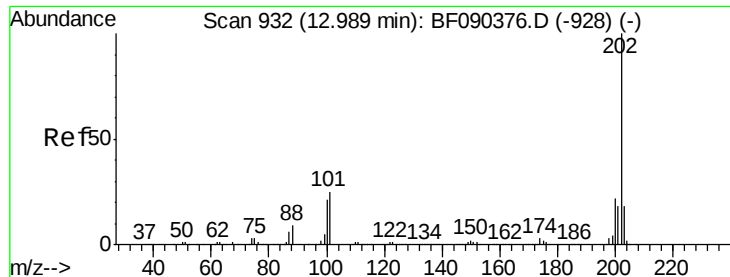


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

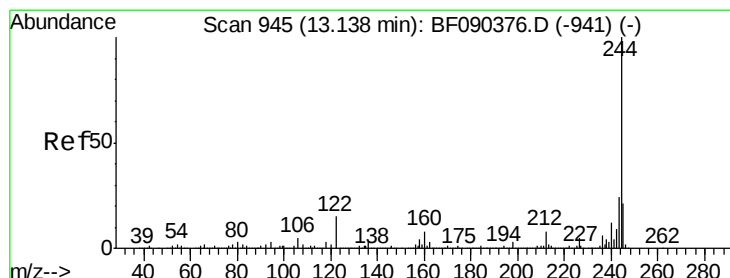
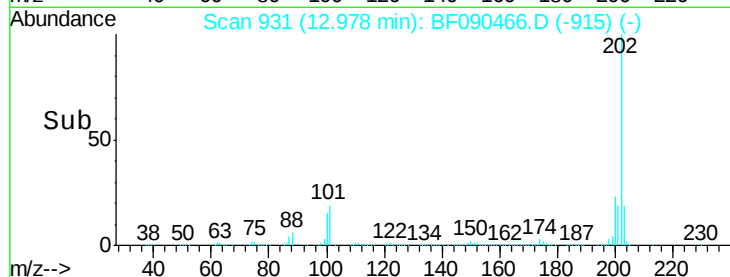
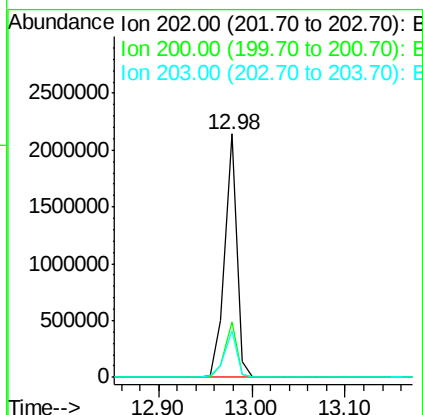
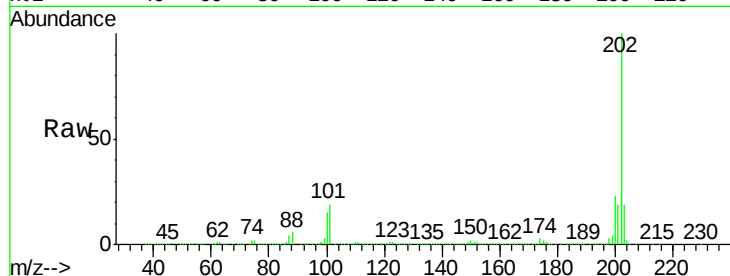




#77
 Pyrene
 Concen: 50.85 ng
 RT: 12.98 min Scan# 931
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

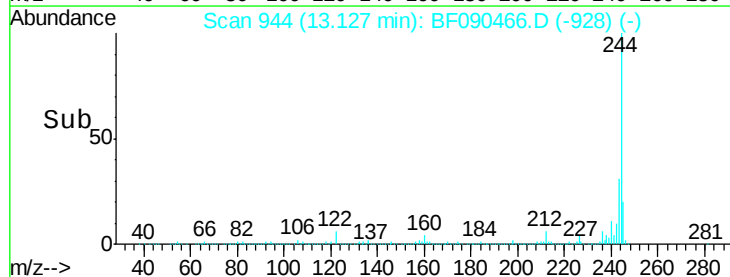
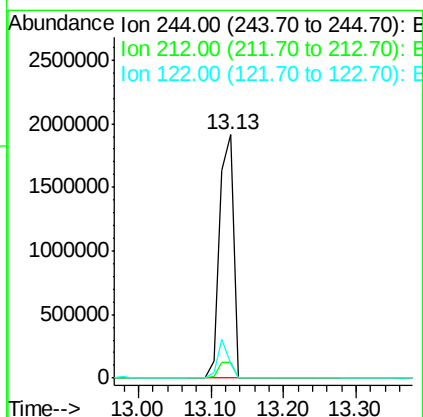
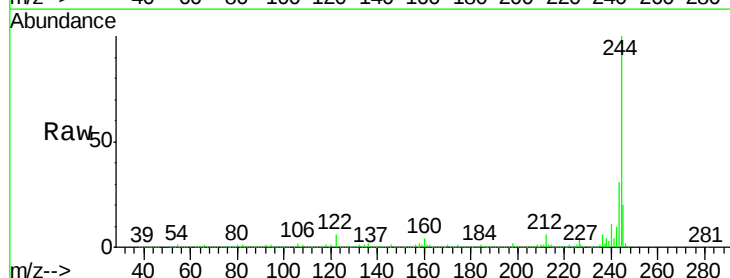
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

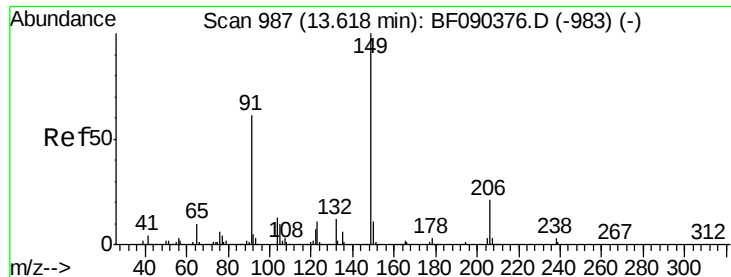
Tgt Ion: 202 Resp: 1921906
 Ion Ratio Lower Upper
 202 100
 200 22.9 18.5 27.7
 203 19.0 15.0 22.6



#78
 Terphenyl-d14
 Concen: 100.66 ng
 RT: 13.13 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion: 244 Resp: 2537841
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.8 10.2#
 122 5.9 13.3 19.9#





#79

Butylbenzylphthalate

Concen: 50.68 ng

RT: 13.60 min Scan# 985

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

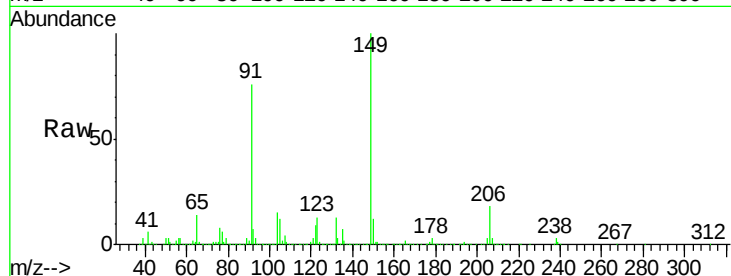
Tgt Ion:149 Resp: 982824

Ion Ratio Lower Upper

149 100

91 75.8 51.8 77.8

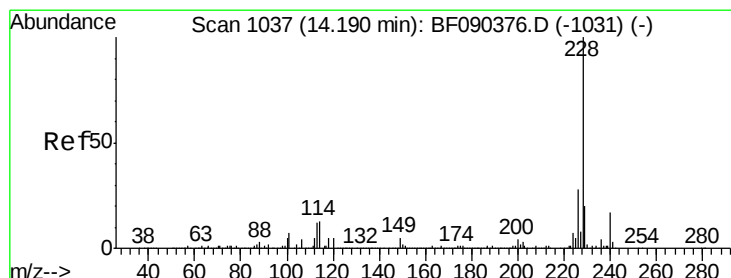
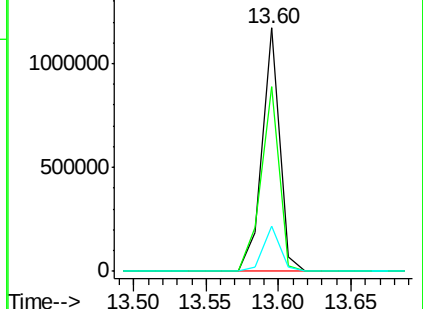
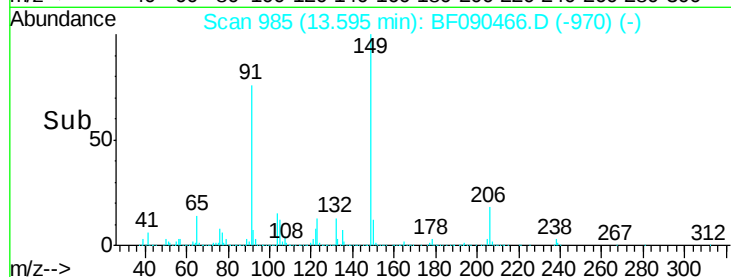
206 18.3 18.0 27.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 48.45 ng

RT: 14.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

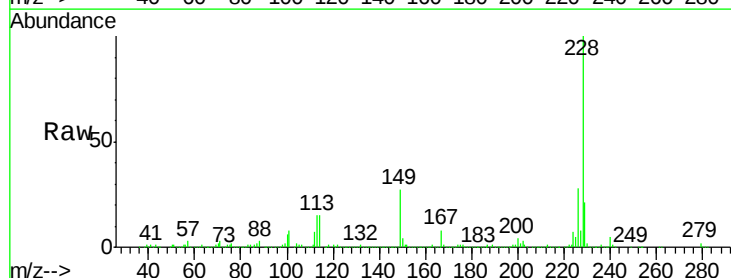
Tgt Ion:228 Resp: 1540953

Ion Ratio Lower Upper

228 100

226 28.5 23.6 35.4

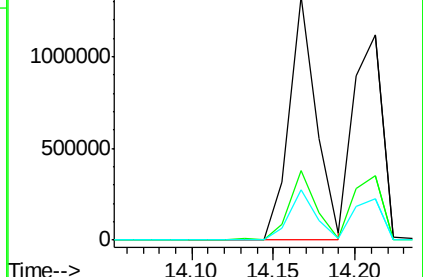
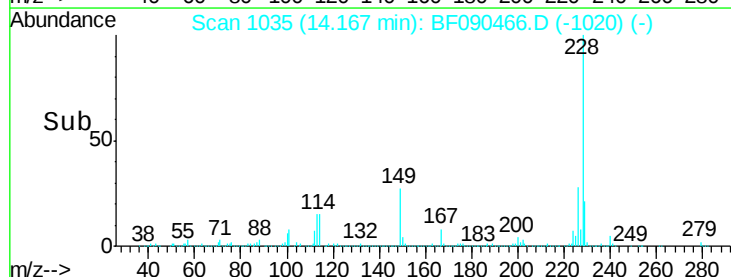
229 20.8 16.6 25.0

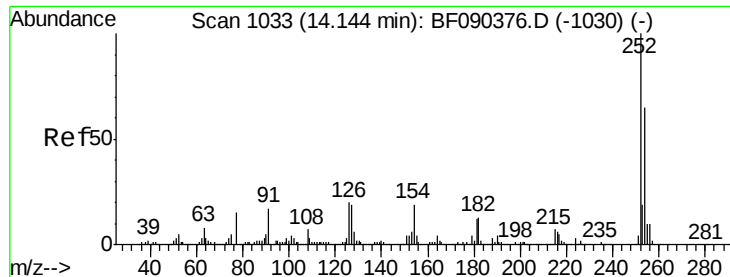


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

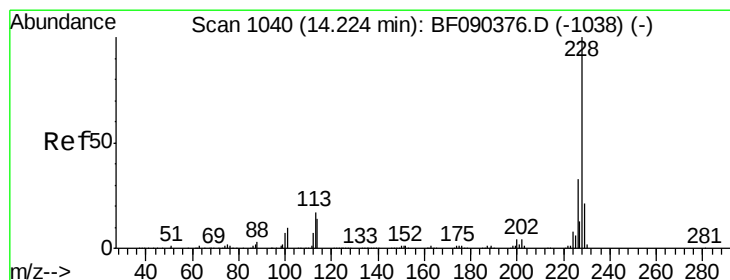
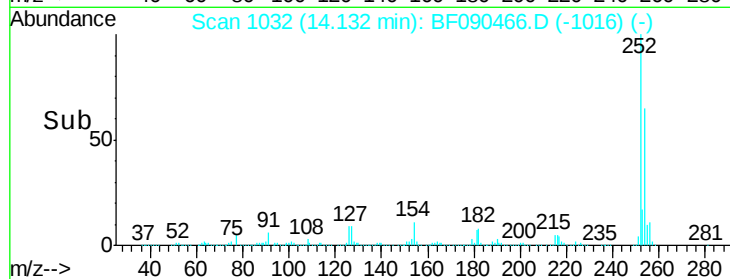
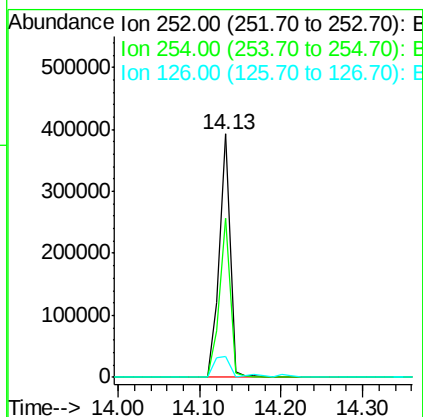
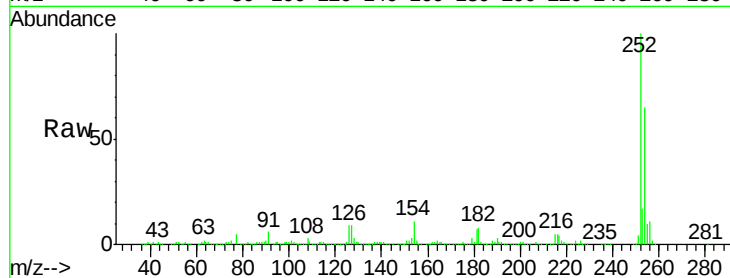




#81
 3,3'-Dichlorobenzidine
 Concen: 31.70 ng
 RT: 14.13 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

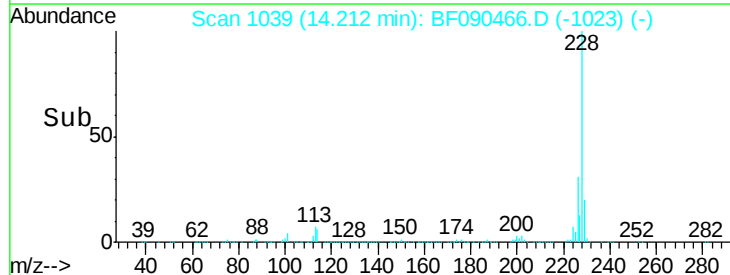
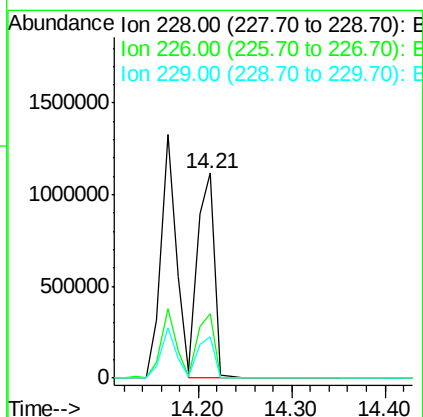
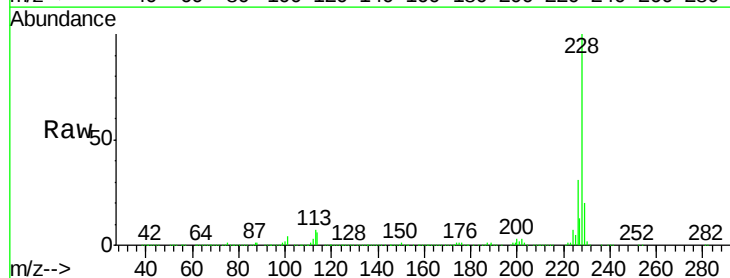
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

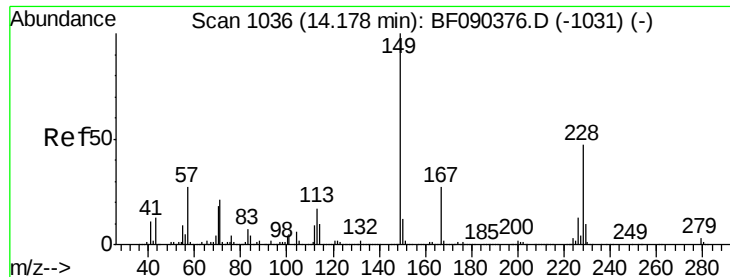
Tgt Ion:252 Resp: 365497
 Ion Ratio Lower Upper
 252 100
 254 65.4 52.1 78.1
 126 8.8 4.2 6.4#



#82
 Chrysene
 Concen: 47.98 ng
 RT: 14.21 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:228 Resp: 1404170
 Ion Ratio Lower Upper
 228 100
 226 31.1 25.8 38.6
 229 20.2 16.9 25.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.15 ng

RT: 14.16 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

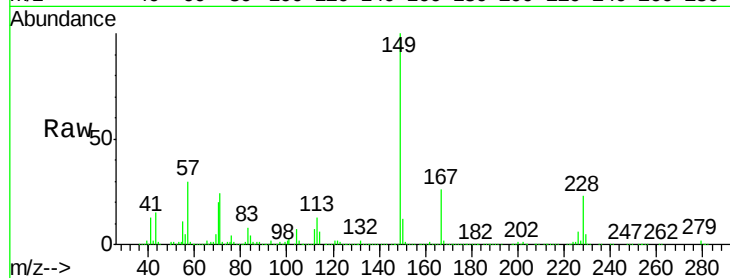
Tgt Ion:149 Resp: 1272135

Ion Ratio Lower Upper

149 100

167 26.2 21.5 32.3

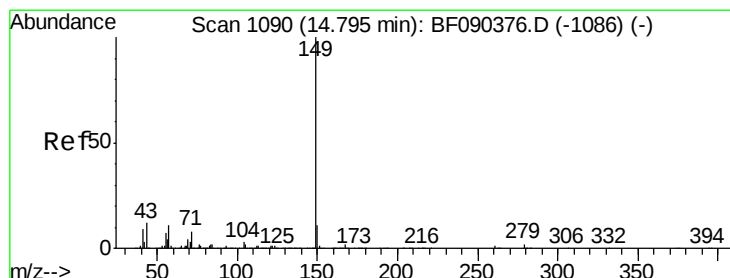
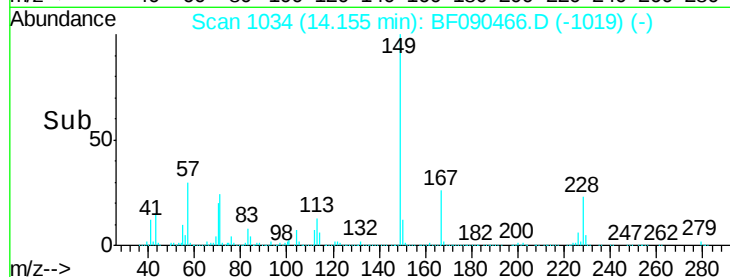
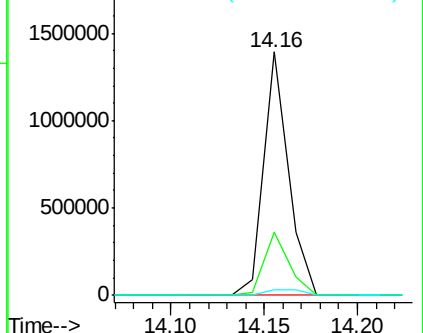
279 2.2 2.6 3.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 44.37 ng

RT: 14.77 min Scan# 1088

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

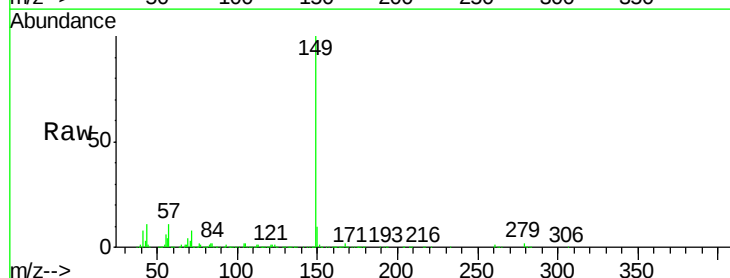
Tgt Ion:149 Resp: 1813204

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

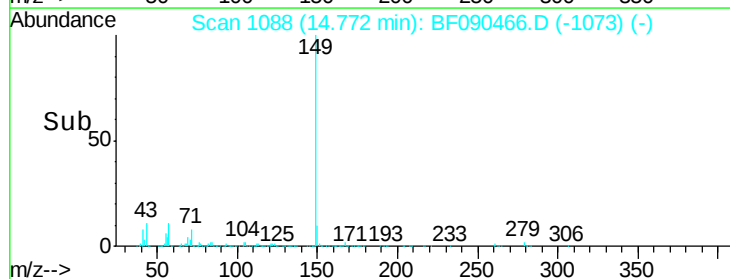
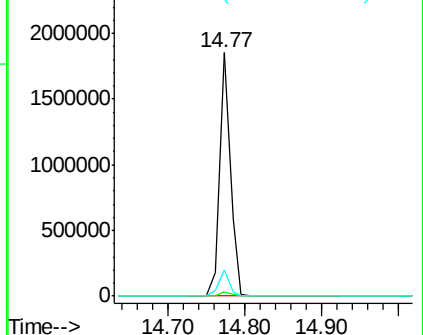
43 10.2 11.8 17.8#

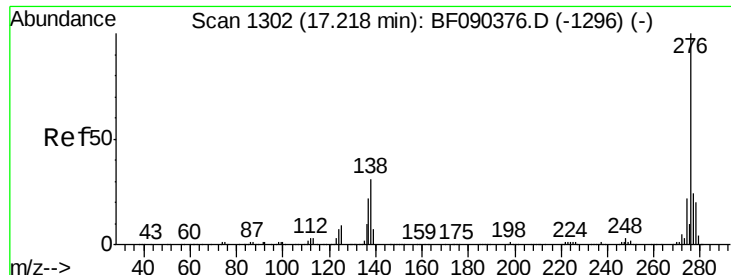


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

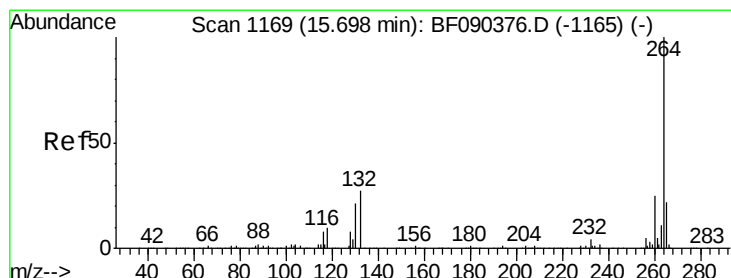
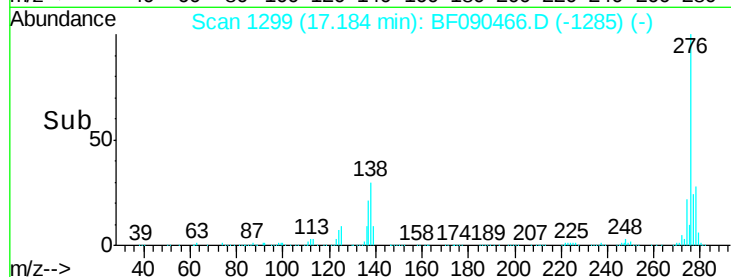
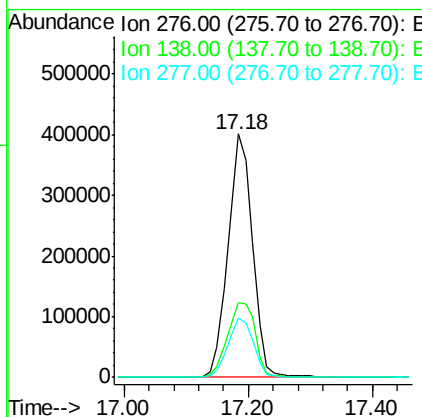
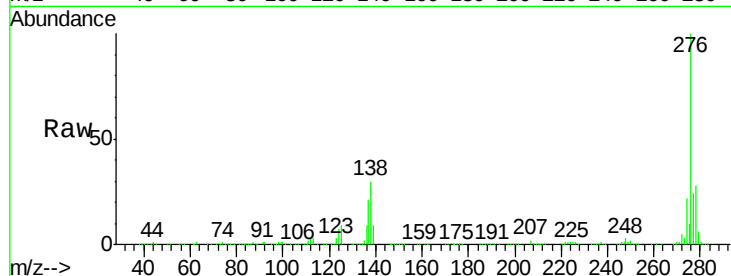




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.73 ng
 RT: 17.18 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

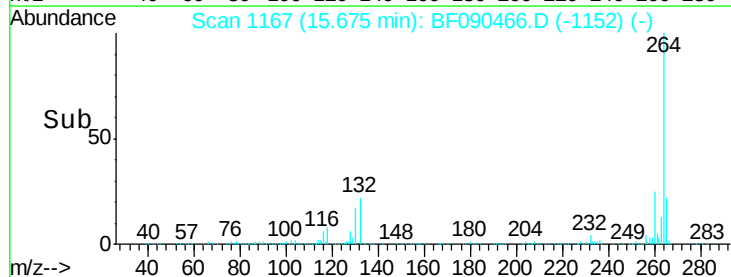
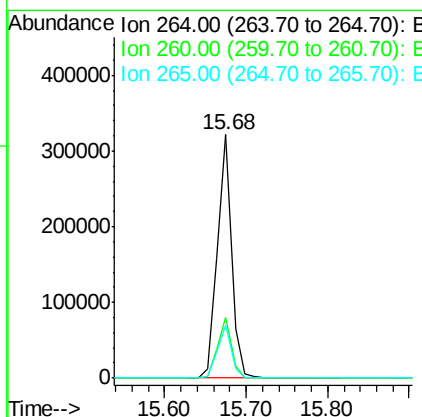
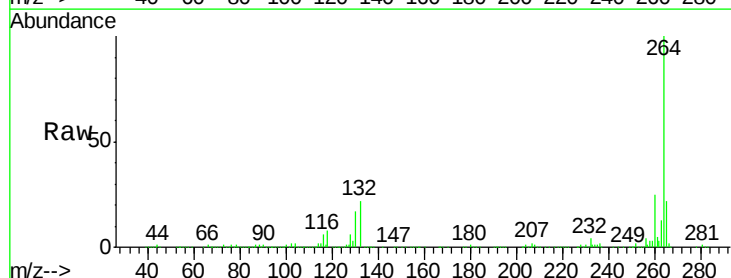
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

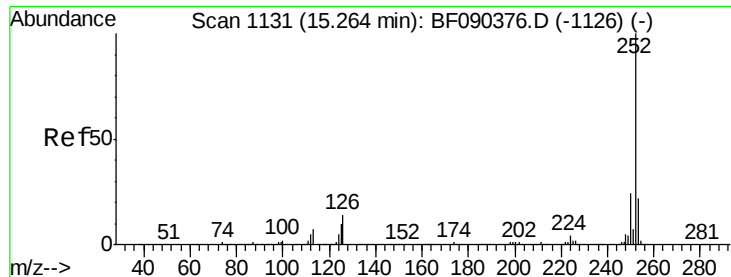
Tgt Ion:276 Resp: 1100339
 Ion Ratio Lower Upper
 276 100
 138 34.9 23.8 35.8
 277 25.3 20.4 30.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.68 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: BF090466.D
 Acq: 8 Oct 2016 4:36

Tgt Ion:264 Resp: 390588
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.3 28.9
 265 21.7 17.4 26.0

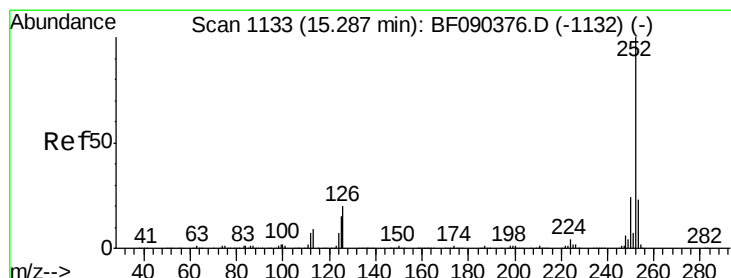
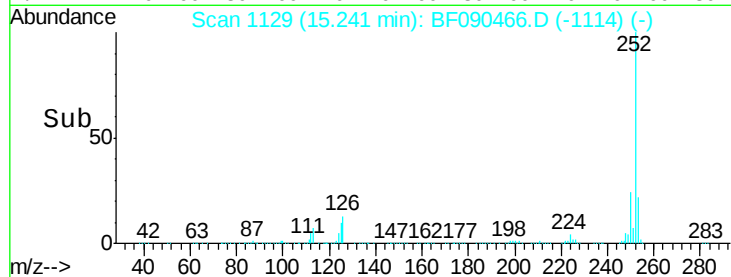
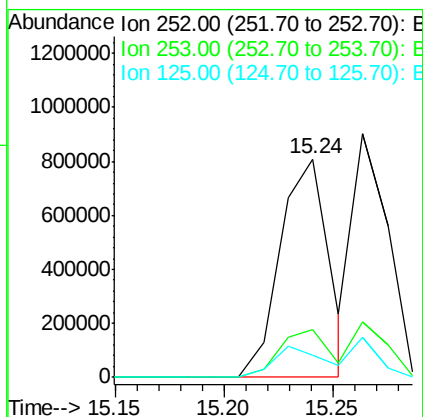
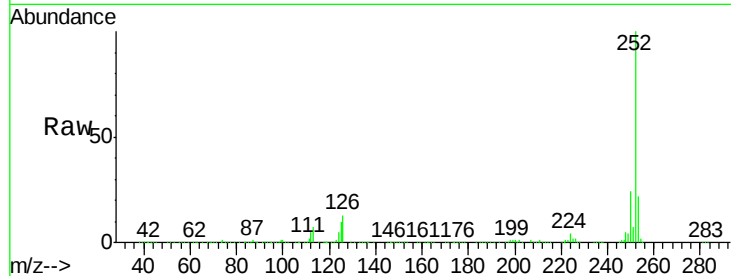




#87
Benzo(b)fluoranthene
Concen: 50.78 ng
RT: 15.24 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

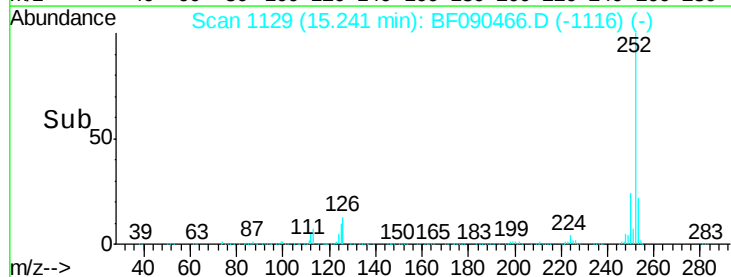
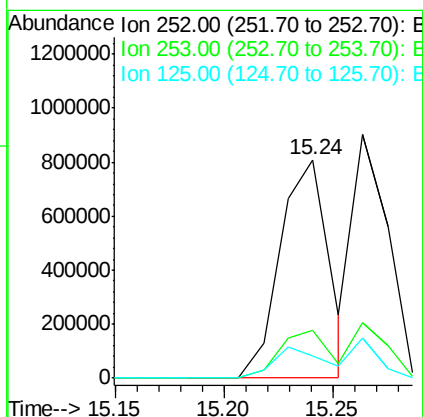
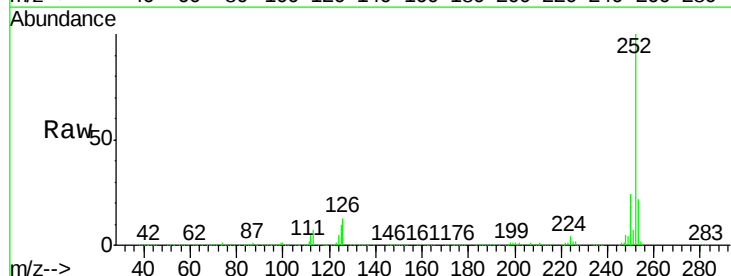
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

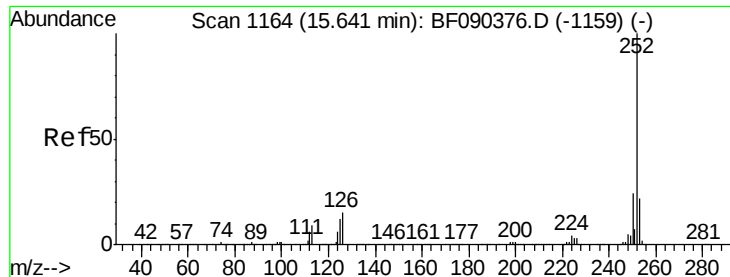
Tgt Ion:252 Resp: 1263281
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 10.1 7.0 10.4



#88
Benzo(k)fluoranthene
Concen: 54.05 ng
RT: 15.24 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF090466.D
Acq: 8 Oct 2016 4:36

Tgt Ion:252 Resp: 1263281
Ion Ratio Lower Upper
252 100
253 21.8 18.6 27.8
125 10.1 11.7 17.5#





#89

Benzo(a)pyrene

Concen: 50.61 ng

RT: 15.62 min Scan# 1162

Delta R.T. -0.02 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

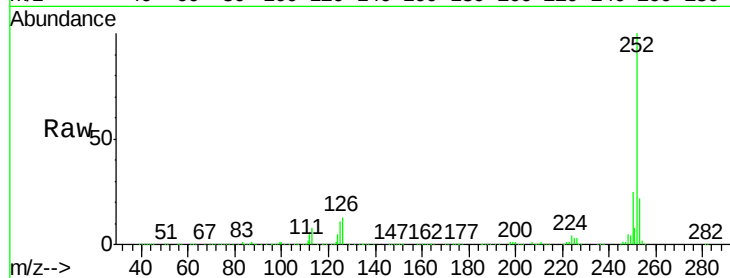
Tgt Ion:252 Resp: 1085370

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.4

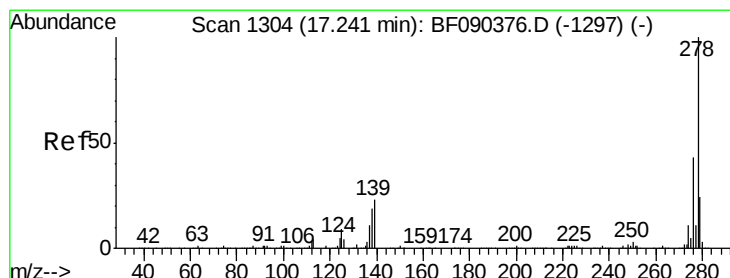
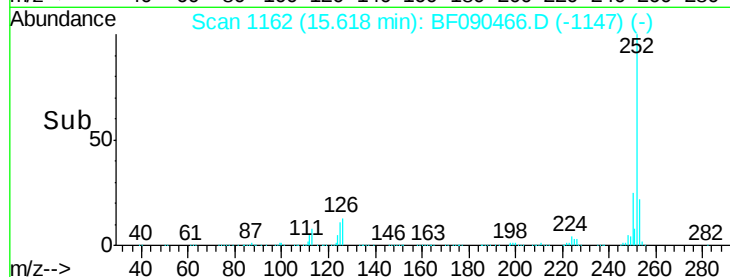
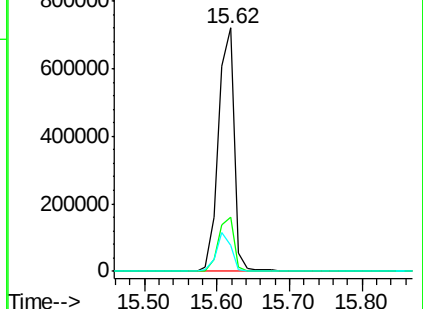
125 10.9 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 51.92 ng

RT: 17.21 min Scan# 1301

Delta R.T. -0.03 min

Lab File: BF090466.D

Acq: 8 Oct 2016 4:36

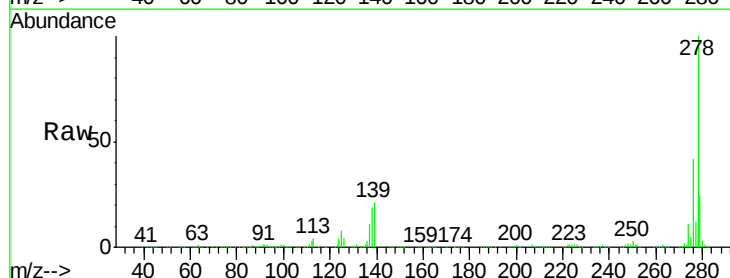
Tgt Ion:278 Resp: 947213

Ion Ratio Lower Upper

278 100

139 21.2 12.8 19.2#

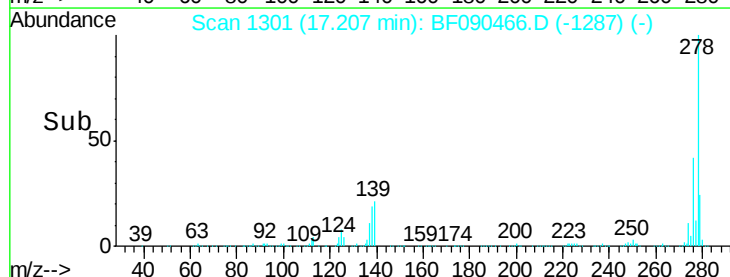
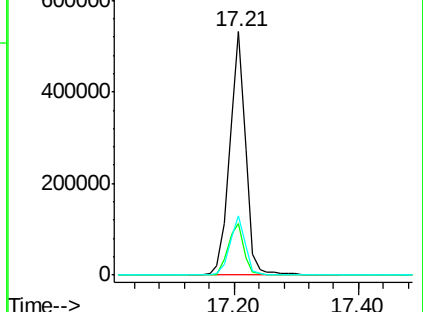
279 24.4 19.6 29.4

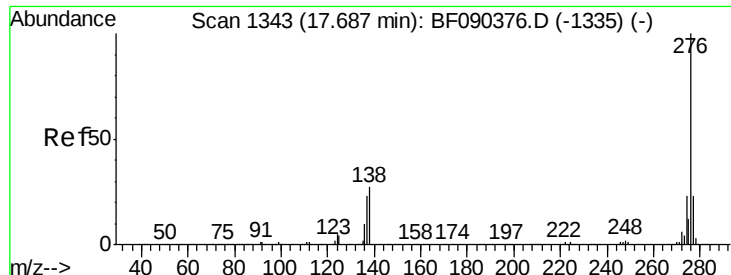


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 50.31 ng

RT: 17.64 min Scan# 1339

Delta R.T. -0.05 min

Lab File: BF090466.D

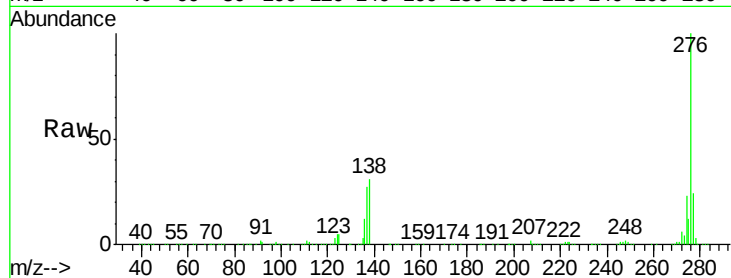
Acq: 8 Oct 2016 4:36

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS



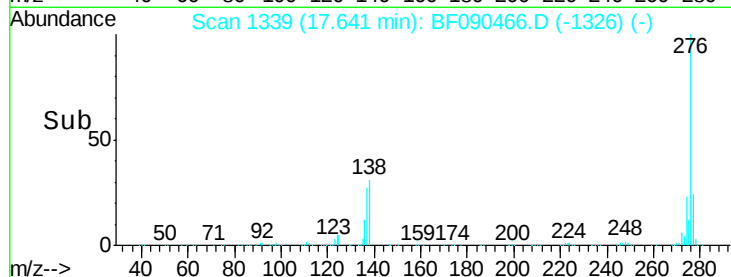
Tgt Ion: 276 Resp: 880806

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.0

138 31.2 20.8 31.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

