

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090411.D
 Acq On : 6 Oct 2016 5:44
 Operator : UM/SJ
 Sample : H5085-05MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Quant Time: Oct 06 06:41:29 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	7.00	152	222946	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	965247	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	469913	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	770421	20.00	ng	0.00
75) Chrysene-d12	14.20	240	573339	20.00	ng	0.00
86) Perylene-d12	15.70	264	361441	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	1960478	131.24	ng	0.02
7) Phenol-d6	6.63	99	2445117	124.97	ng	0.01
23) Nitrobenzene-d5	7.57	82	1888018	95.15	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	752847	197.03	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3003098	106.48	ng	0.00
78) Terphenyl-d14	13.14	244	2808988	110.15	ng	0.00

Target Compounds

						Qvalue
3) Pyridine	3.62	79	546057	26.59	ng	# 84
4) n-Nitrosodimethylamine	3.56	42	383169	45.22	ng	# 63
6) Aniline	6.67	93	264985	9.81	ng	98
8) 2-Chlorophenol	6.79	128	801966	48.78	ng	92
9) Benzaldehyde	6.55	77	213640	21.60	ng	97
10) Phenol	6.65	94	1096932	48.22	ng	93
11) bis(2-Chloroethyl)ether	6.74	93	798324	45.84	ng	90
12) 1,3-Dichlorobenzene	7.02	146	844923	51.56	ng	96
13) 1,4-Dichlorobenzene	7.02	146	844923	50.77	ng	98
14) 1,2-Dichlorobenzene	7.17	146	715553	44.62	ng	93
15) Benzyl Alcohol	7.14	79	684879	46.05	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.29	45	1374908	46.55	ng	91
17) 2-Methylphenol	7.25	107	655942	48.52	ng	98
18) Hexachloroethane	7.53	117	307545	46.87	ng	# 85
19) n-Nitroso-di-n-propylamine	7.42	70	735333	51.25	ng	# 81
20) 3+4-Methylphenols	7.41	107	865674	49.47	ng	# 69
22) Acetophenone	7.41	105	1093870	47.85	ng	# 97
24) Nitrobenzene	7.58	77	877339	44.54	ng	96
25) Isophorone	7.82	82	1719218	47.39	ng	96
26) 2-Nitrophenol	7.90	139	403064	47.54	ng	# 78
27) 2,4-Dimethylphenol	7.94	122	717406	43.51	ng	95
28) bis(2-Chloroethoxy)methane	8.04	93	1090054	50.80	ng	98
29) 2,4-Dichlorophenol	8.14	162	575275	45.89	ng	87
30) 1,2,4-Trichlorobenzene	8.23	180	662309	51.26	ng	97
31) Naphthalene	8.31	128	2291209	49.20	ng	99
32) Benzoic acid	8.05	122	517857	45.17	ng	93
33) 4-Chloroaniline	8.37	127	58919	3.06	ng	98
34) Hexachlorobutadiene	8.44	225	332172	46.01	ng	96
35) Caprolactam	8.73	113	106599	25.29	ng	96
36) 4-Chloro-3-methylphenol	8.84	107	712081	45.36	ng	98
37) 2-Methylnaphthalene	9.01	142	1561560	55.40	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	593865	47.93	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	755544	111.26	ng	98
42) 2,4,6-Trichlorophenol	9.29	196	480669	56.23	ng	99

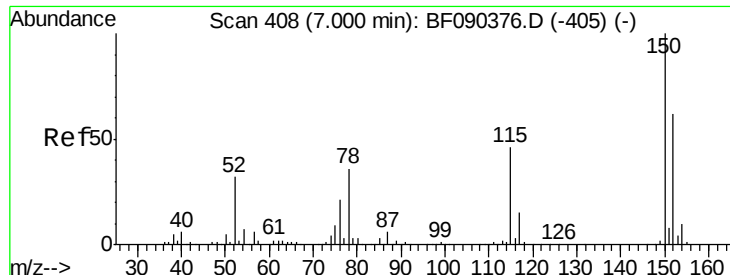
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.33	196	429801	53.17	ng	# 92
45) 1,1'-Biphenyl	9.47	154	1652200	47.45	ng	93
46) 2-Chloronaphthalene	9.50	162	1423887	55.34	ng	95
47) 2-Nitroaniline	9.59	65	535197	52.72	ng	# 81
48) Acenaphthylene	9.91	152	1962917	46.24	ng	99
49) Dimethylphthalate	9.78	163	1689208	56.13	ng	99
50) 2,6-Dinitrotoluene	9.83	165	395624	59.21	ng	# 83
51) Acenaphthene	10.09	154	1479259	55.89	ng	99
52) 3-Nitroaniline	9.99	138	80490	10.31	ng	85
53) 2,4-Dinitrophenol	10.11	184	437629	146.91	ng	# 90
54) Dibenzofuran	10.26	168	1845931	53.88	ng	# 91
55) 4-Nitrophenol	10.17	139	715294	104.74	ng	# 79
56) 2,4-Dinitrotoluene	10.23	165	467876	52.62	ng	# 22
57) Fluorene	10.60	166	1521600	52.85	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.34	232	421482	69.82	ng	97
59) Diethylphthalate	10.47	149	1568624	50.38	ng	93
60) 4-Chlorophenyl-phenylether	10.60	204	768231	58.68	ng	# 86
61) 4-Nitroaniline	10.61	138	272294	34.62	ng	94
62) Azobenzene	10.76	77	2094794	58.24	ng	87
64) 4,6-Dinitro-2-methylphenol	10.65	198	257169	49.28	ng	# 74
65) n-Nitrosodiphenylamine	10.71	169	996167	38.59	ng	98
66) 4-Bromophenyl-phenylether	11.09	248	458880	60.76	ng	# 88
67) Hexachlorobenzene	11.16	284	469412	55.81	ng	# 87
68) Atrazine	11.24	200	155963	24.50	ng	96
69) Pentachlorophenol	11.34	266	558904	111.64	ng	99
70) Phenanthrene	11.57	178	2222038	56.33	ng	100
71) Anthracene	11.62	178	2164107	53.72	ng	98
72) Carbazole	11.77	167	1257557	33.60	ng	98
73) Di-n-butylphthalate	12.11	149	2655317	58.29	ng	98
74) Fluoranthene	12.76	202	1973634	51.00	ng	98
77) Pyrene	12.99	202	2002195	52.37	ng	100
79) Butylbenzylphthalate	13.61	149	1031384	52.58	ng	# 71
80) Benzo(a)anthracene	14.19	228	1886800	58.65	ng	99
81) 3,3'-Dichlorobenzidine	14.14	252	33294	2.85	ng	# 96
82) Chrysene	14.22	228	1739394	58.75	ng	99
83) Bis(2-ethylhexyl)phthalate	14.18	149	1593147	57.14	ng	# 97
84) Di-n-octyl phthalate	14.80	149	2376554	57.49	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.22	276	1321050	62.59	ng	# 93
87) Benzo(b)fluoranthene	15.25	252	1625151	70.59	ng	# 94
88) Benzo(k)fluoranthene	15.25	252	1625151	75.15	ng	98
89) Benzo(a)pyrene	15.63	252	1260480	63.52	ng	# 94
90) Dibenzo(a,h)anthracene	17.24	278	1154174	68.36	ng	# 95
91) Benzo(g,h,i)perylene	17.69	276	1035899	63.94	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090411.D

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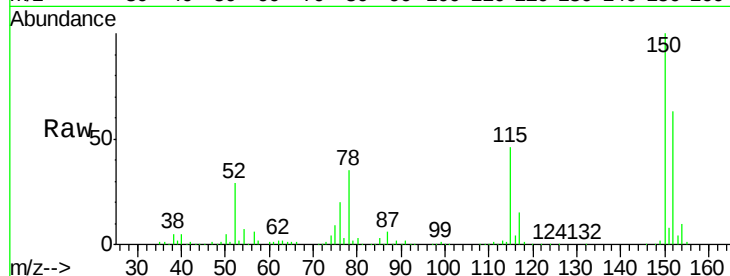
Tgt Ion:152 Resp: 222946

Ion Ratio Lower Upper

152 100

150 157.8 124.6 186.8

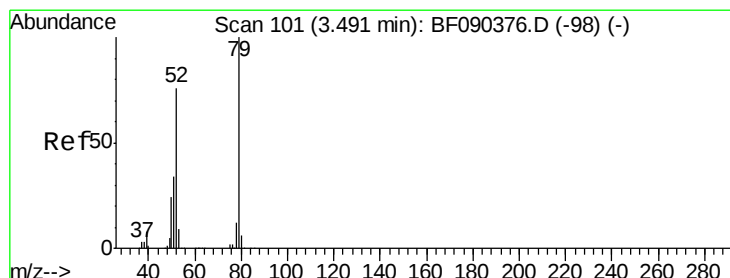
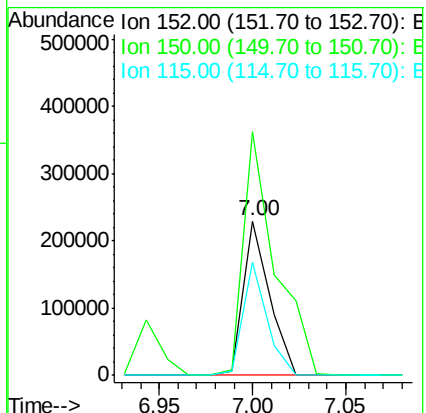
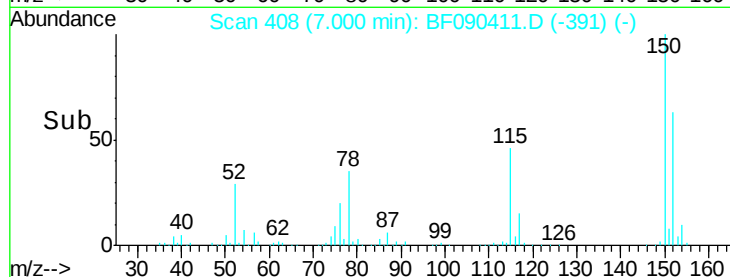
115 73.0 46.2 69.4#



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



#3

Pyridine

Concen: 26.59 ng

RT: 3.62 min Scan# 112

Delta R.T. 0.13 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

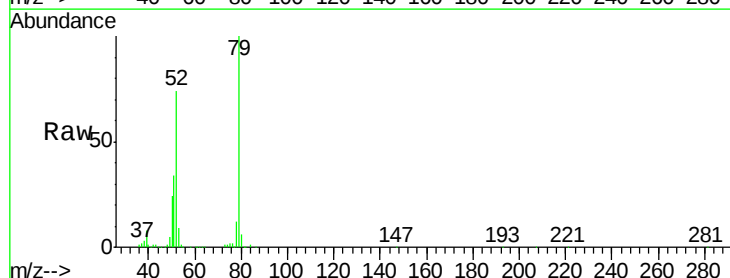
Tgt Ion: 79 Resp: 546057

Ion Ratio Lower Upper

79 100

52 73.8 71.3 106.9

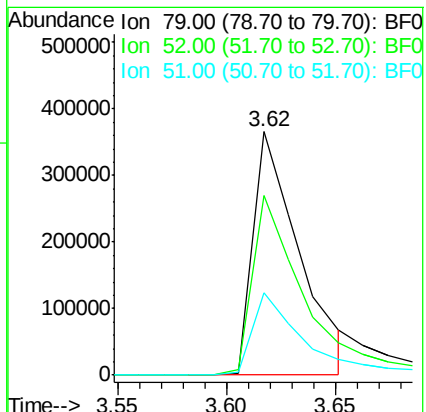
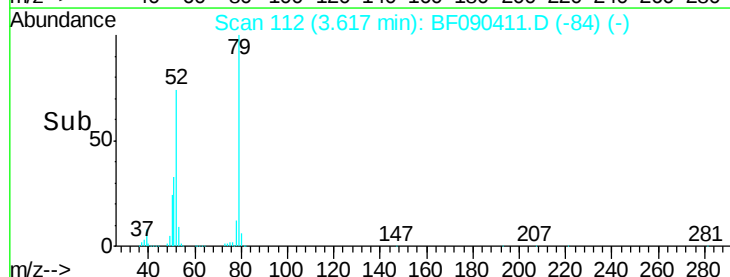
51 33.7 34.5 51.7#

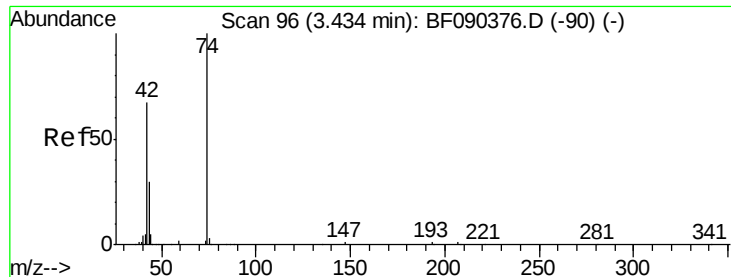


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 45.22 ng

RT: 3.56 min Scan# 107

Delta R.T. 0.13 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

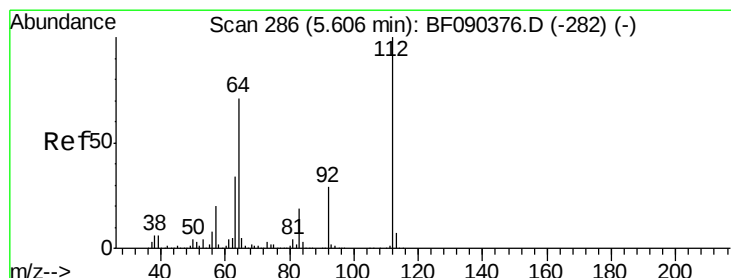
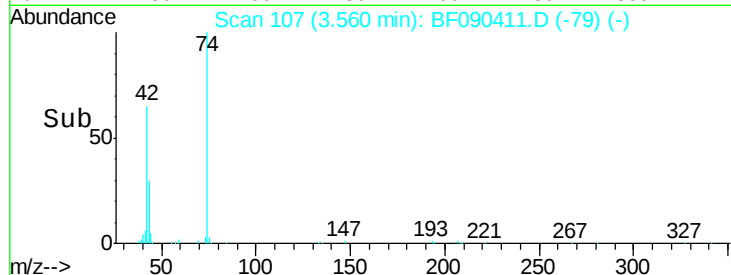
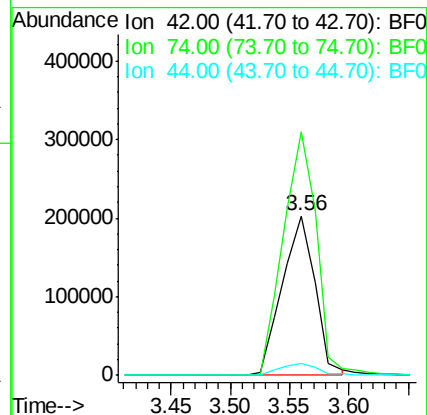
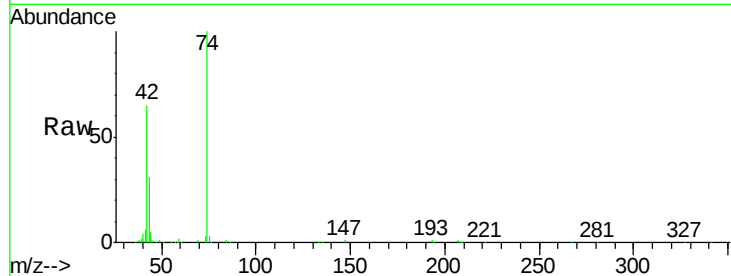
Tgt Ion: 42 Resp: 383169

Ion Ratio Lower Upper

42 100

74 153.0 88.9 133.3#

44 7.6 6.5 9.7



#5

2-Fluorophenol

Concen: 131.24 ng

RT: 5.63 min Scan# 288

Delta R.T. 0.02 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

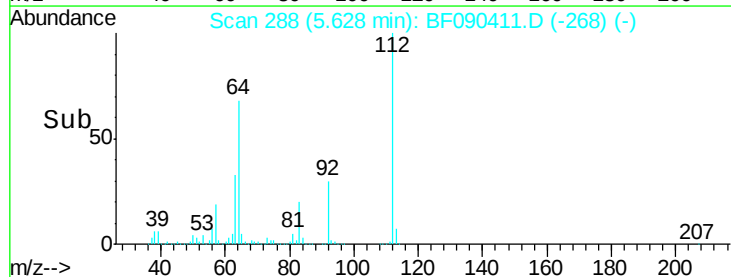
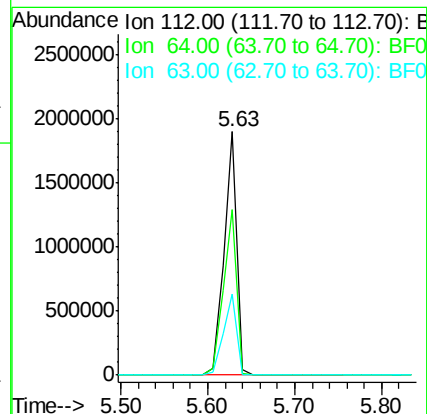
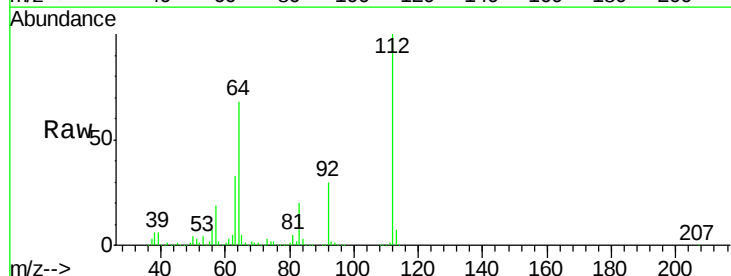
Tgt Ion: 112 Resp: 1960478

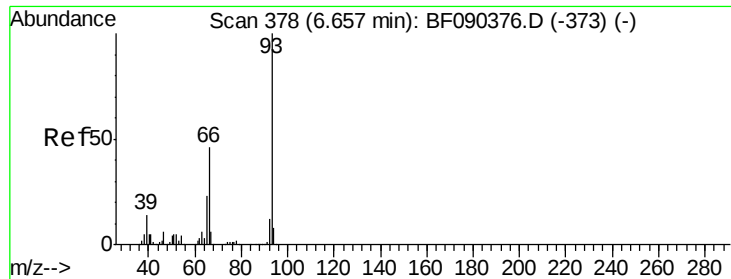
Ion Ratio Lower Upper

112 100

64 68.2 57.9 86.9

63 33.1 29.6 44.4





#6

Aniline

Concen: 9.81 ng

RT: 6.67 min Scan# 379

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

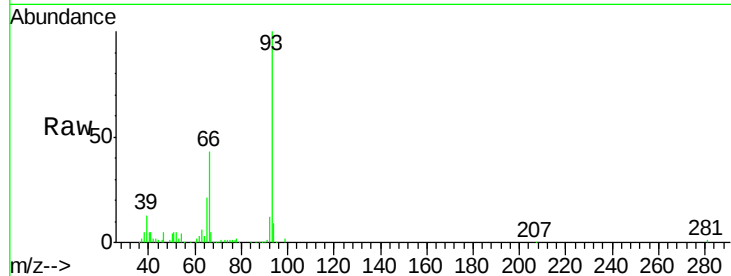
Tgt Ion: 93 Resp: 264985

Ion Ratio Lower Upper

93 100

66 42.8 34.5 51.7

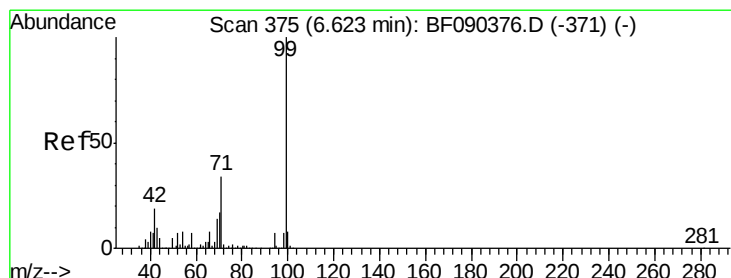
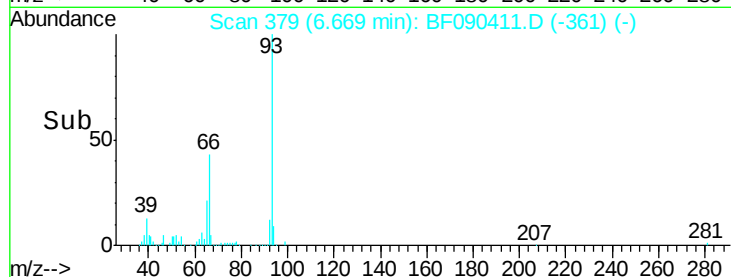
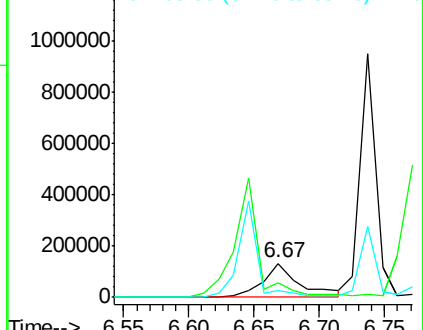
65 21.0 18.2 27.2



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: 124.97 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

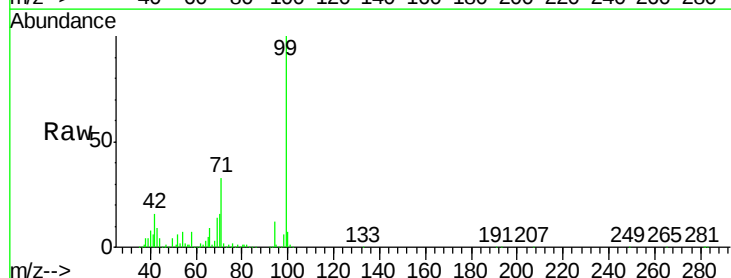
Tgt Ion: 99 Resp: 2445117

Ion Ratio Lower Upper

99 100

42 16.4 20.0 30.0#

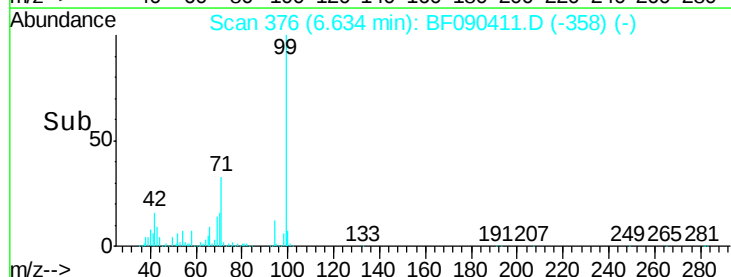
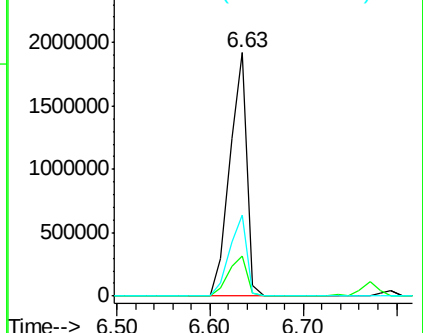
71 33.1 27.9 41.9

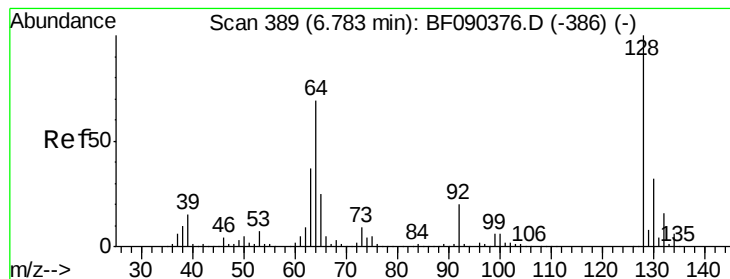


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 48.78 ng

RT: 6.79 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

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ClientSampleId :

CHA-STA-1698-D(0-2)MS

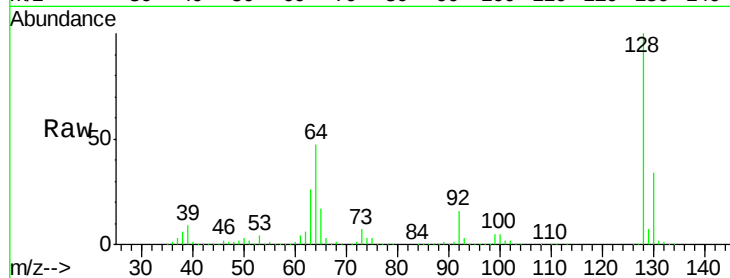
Tgt Ion:128 Resp: 801966

Ion Ratio Lower Upper

128 100

130 33.8 13.3 53.3

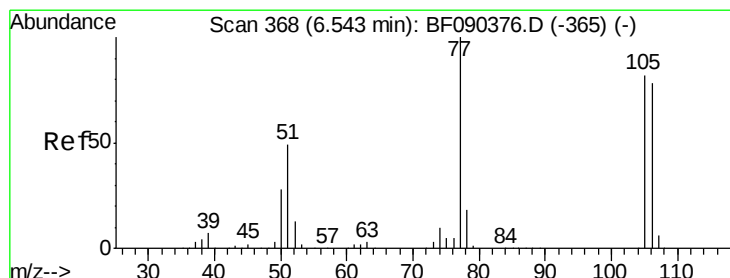
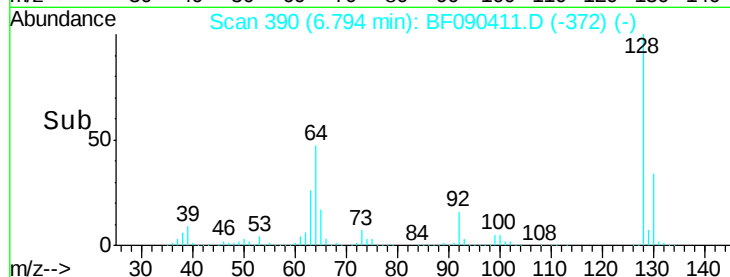
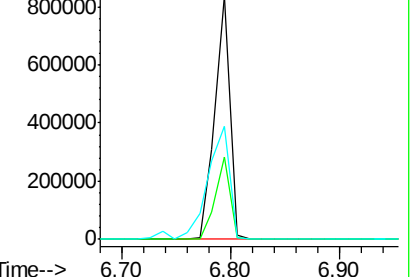
64 46.7 36.0 76.0



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: 21.60 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

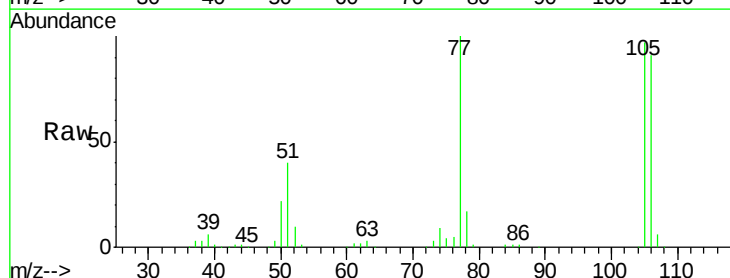
Tgt Ion: 77 Resp: 213640

Ion Ratio Lower Upper

77 100

105 97.5 73.1 113.1

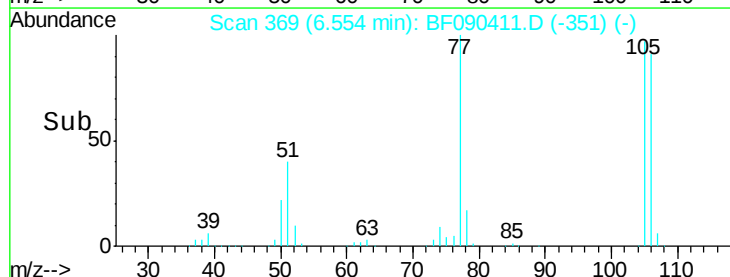
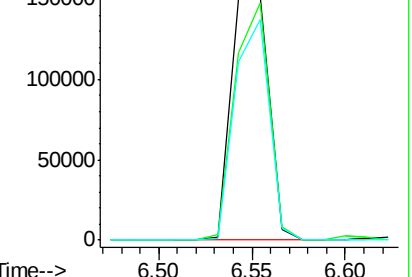
106 90.7 70.2 110.2

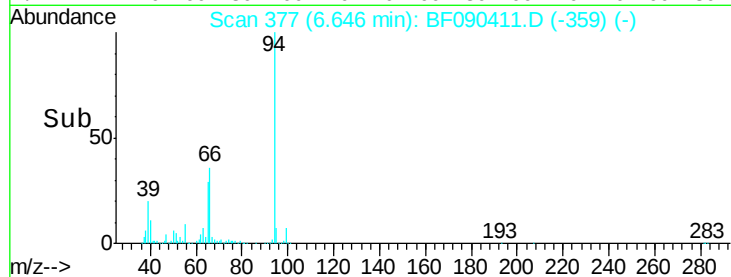
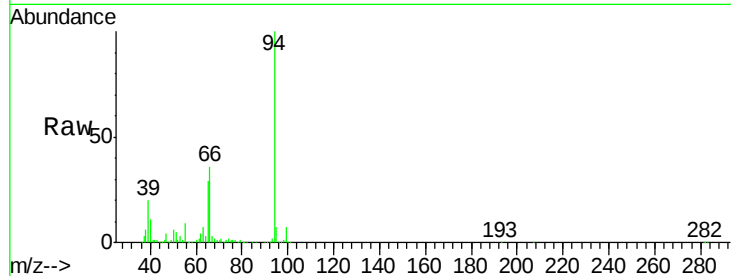
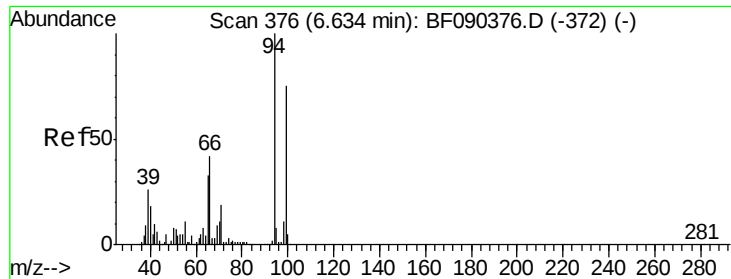


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 48.22 ng

RT: 6.65 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

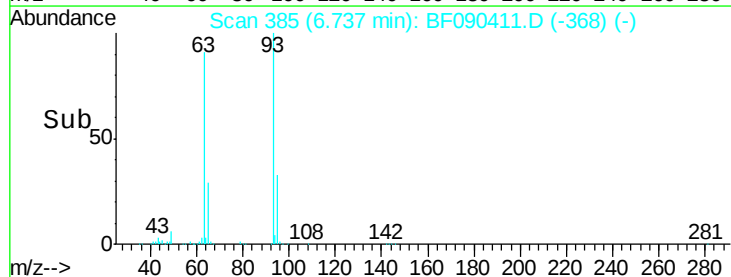
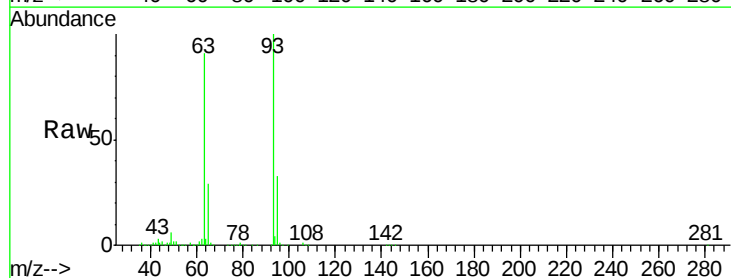
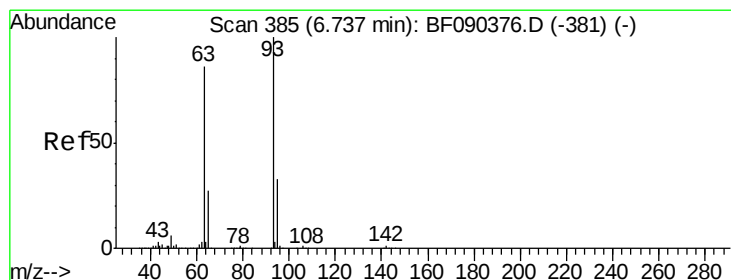
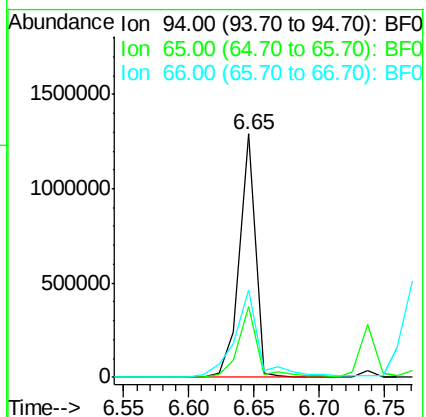
Tgt Ion: 94 Resp: 1096932

Ion Ratio Lower Upper

94 100

65 29.3 13.3 53.3

66 35.9 20.4 60.4



#11

bis(2-Chloroethyl)ether

Concen: 45.84 ng

RT: 6.74 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

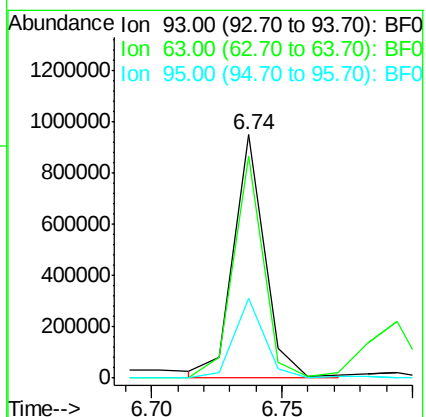
Tgt Ion: 93 Resp: 798324

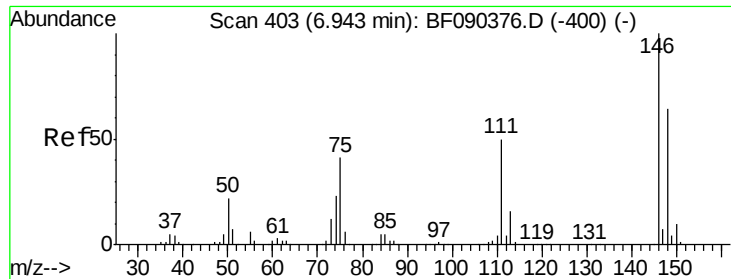
Ion Ratio Lower Upper

93 100

63 91.2 59.7 99.7

95 32.9 14.0 54.0

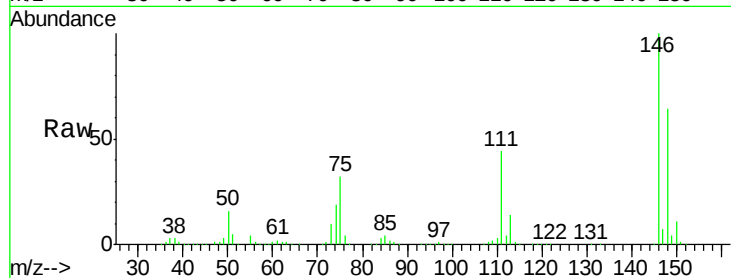




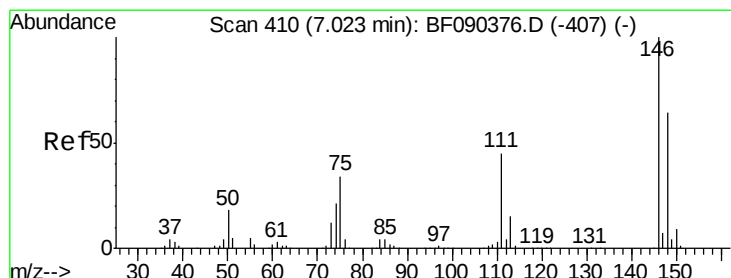
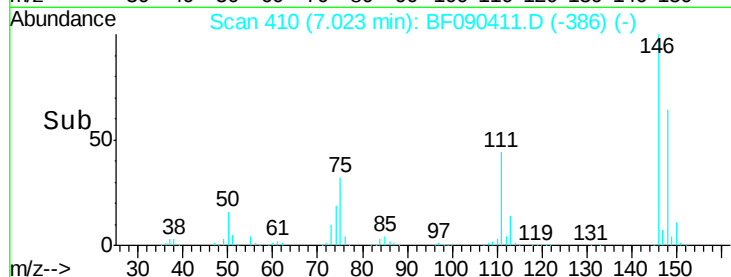
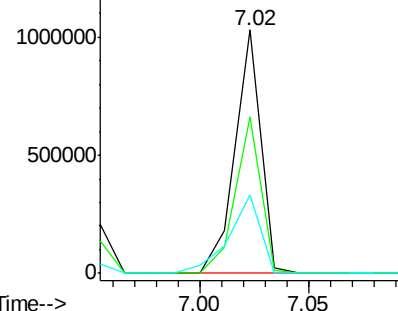
#12
 1,3-Dichlorobenzene
 Concen: 51.56 ng
 RT: 7.02 min Scan# 410
 Delta R.T. 0.08 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.4
75	32.1	21.4	32.2

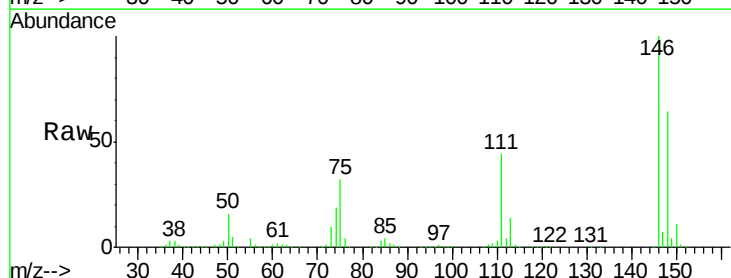


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

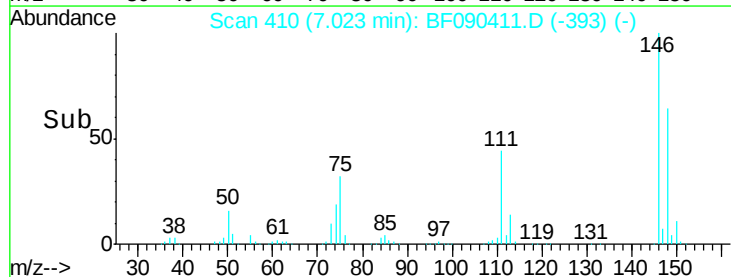
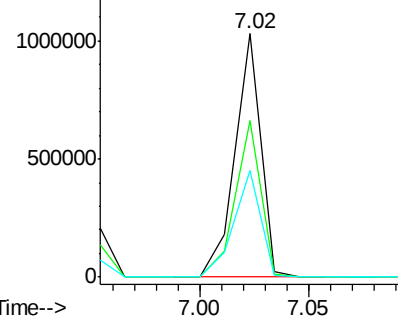


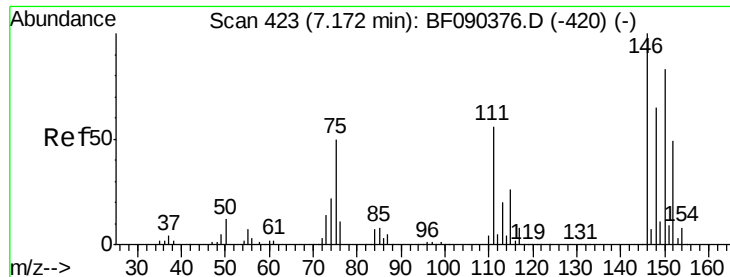
#13
 1,4-Dichlorobenzene
 Concen: 50.77 ng
 RT: 7.02 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	43.9	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

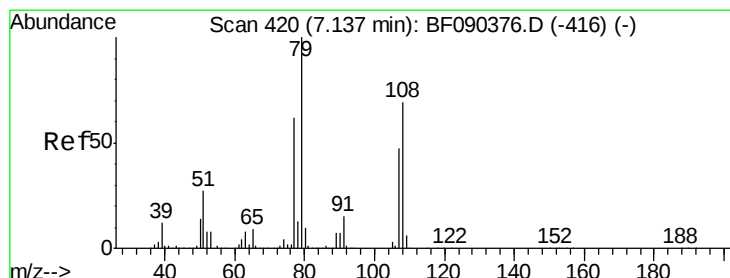
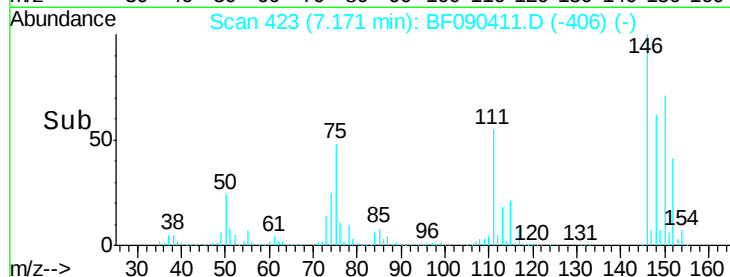
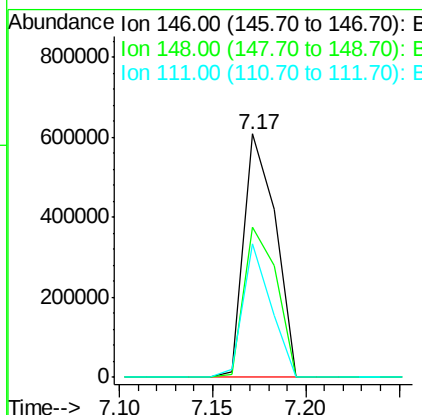
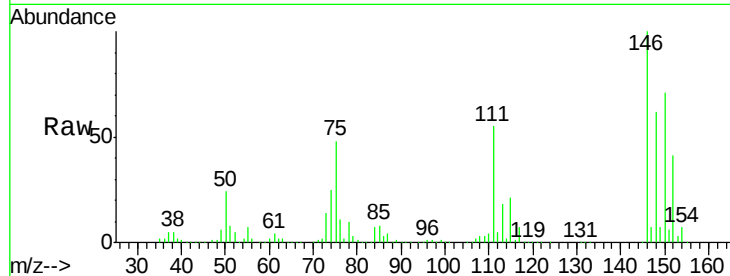




#14
1,2-Dichlorobenzene
Concen: 44.62 ng
RT: 7.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

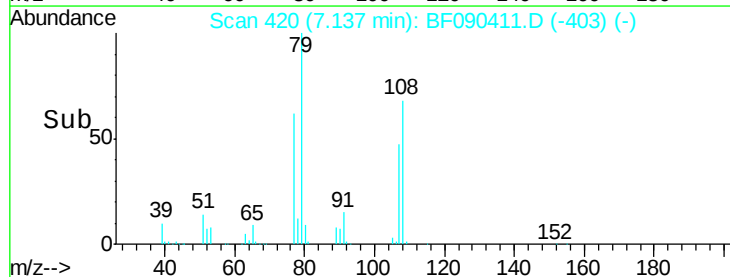
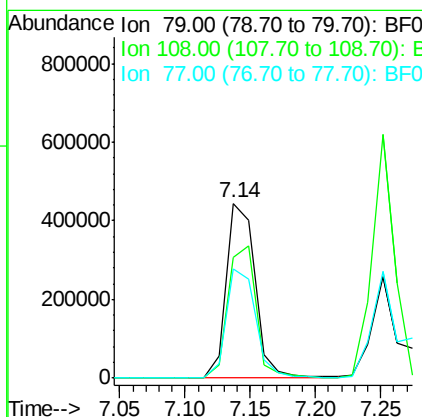
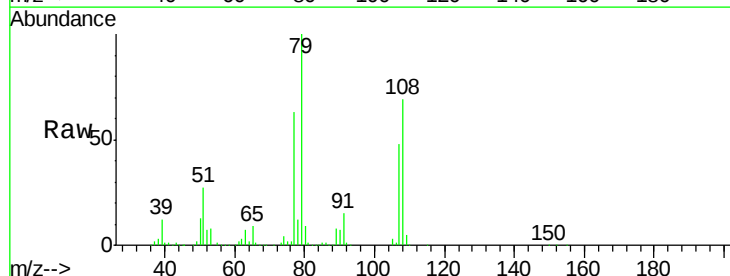
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

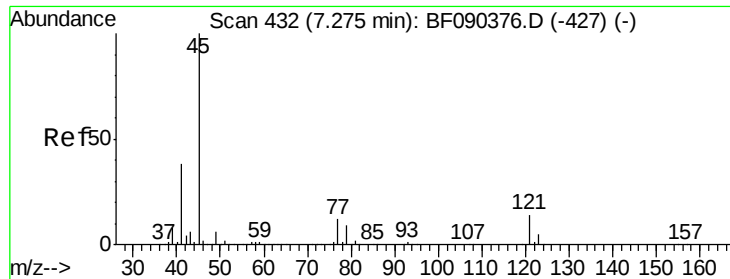
Tgt Ion: 146 Resp: 715553
Ion Ratio Lower Upper
146 100
148 61.6 52.3 78.5
111 54.6 38.2 57.4



#15
Benzyl Alcohol
Concen: 46.05 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion: 79 Resp: 684879
Ion Ratio Lower Upper
79 100
108 69.3 60.9 91.3
77 62.6 51.5 77.3

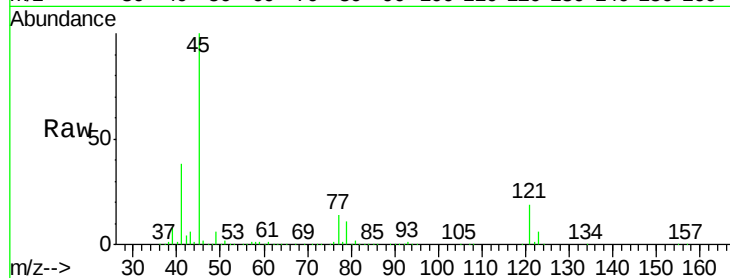




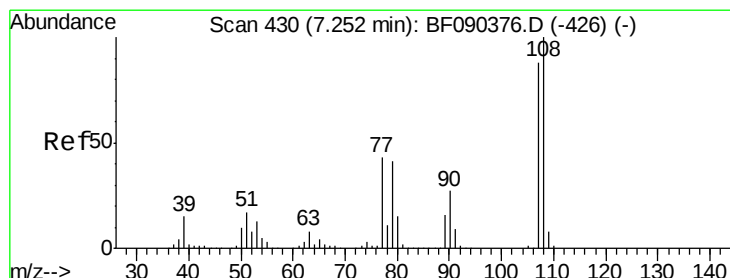
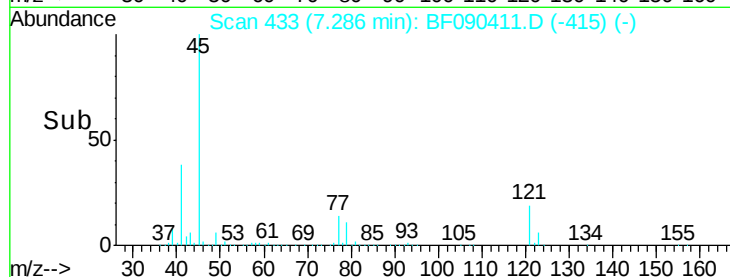
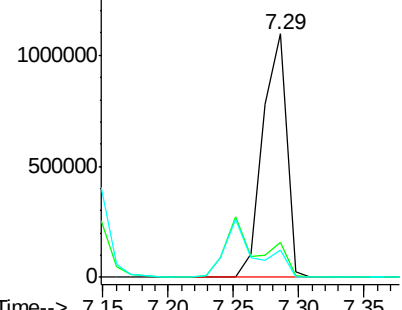
#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.55 ng
RT: 7.29 min Scan# 433
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion: 45 Resp: 1374908
Ion Ratio Lower Upper
45 100
77 14.4 0.0 30.8
79 11.4 0.0 28.2

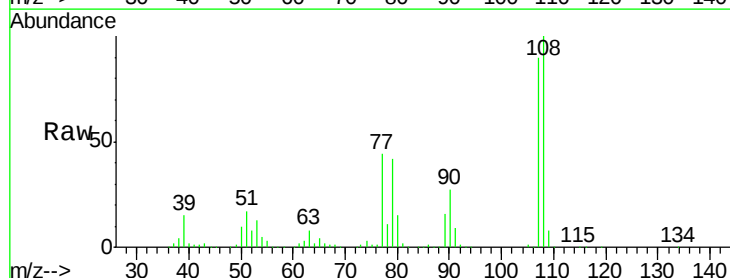


Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

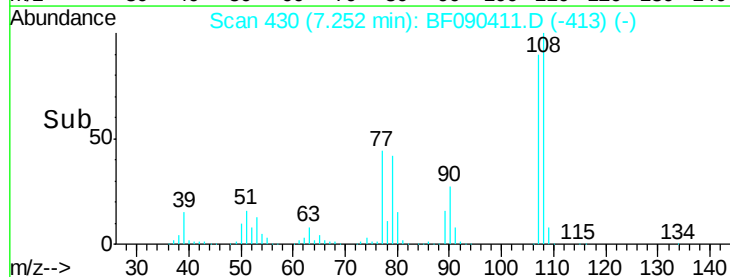
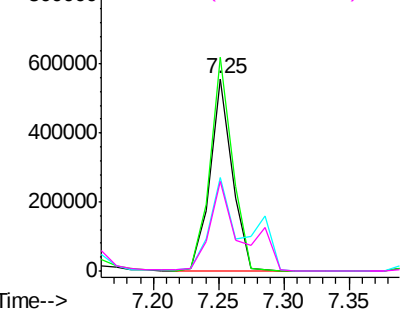


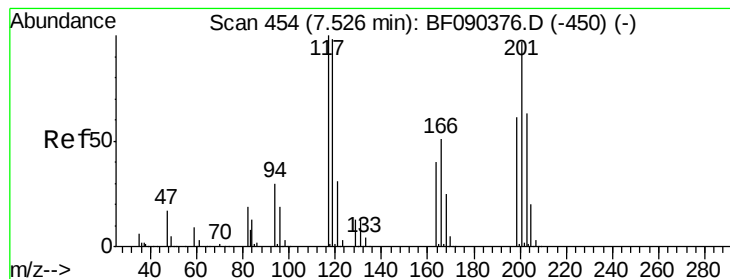
#17
2-Methylphenol
Concen: 48.52 ng
RT: 7.25 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion: 107 Resp: 655942
Ion Ratio Lower Upper
107 100
108 111.2 90.9 136.3
77 48.7 38.2 57.4
79 46.6 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: 46.87 ng

RT: 7.53 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

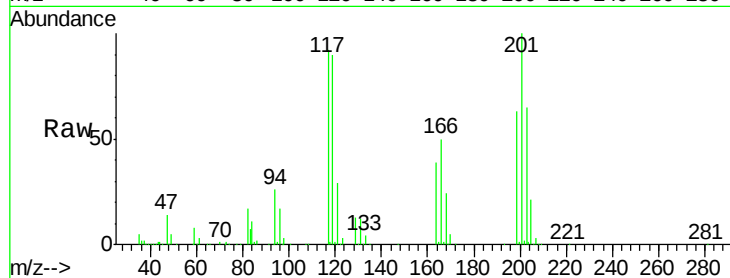
Tgt Ion: 117 Resp: 307545

Ion Ratio Lower Upper

117 100

119 98.0 75.9 113.9

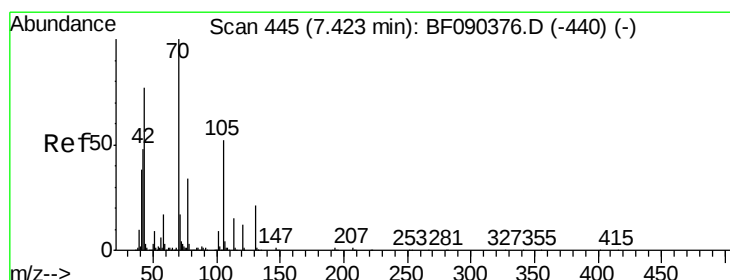
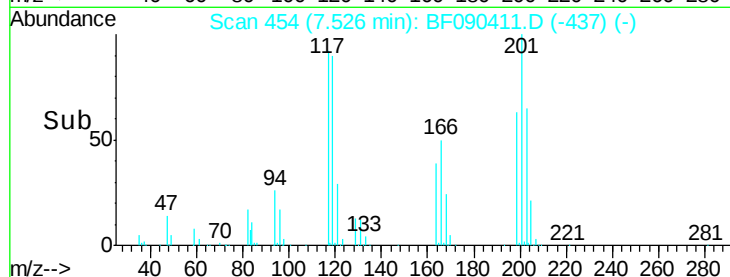
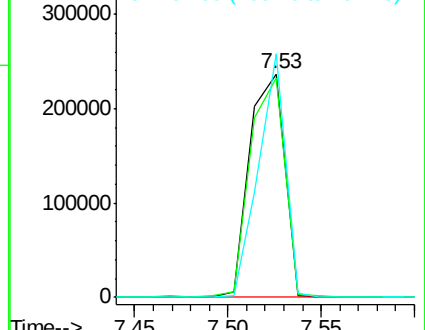
201 108.9 66.5 99.7#



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: 51.25 ng

RT: 7.42 min Scan# 445

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion: 70 Resp: 735333

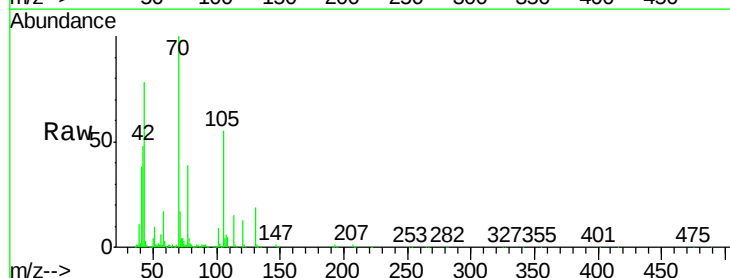
Ion Ratio Lower Upper

70 100

42 47.7 55.4 83.2#

101 9.0 7.6 11.4

130 19.3 16.5 24.7

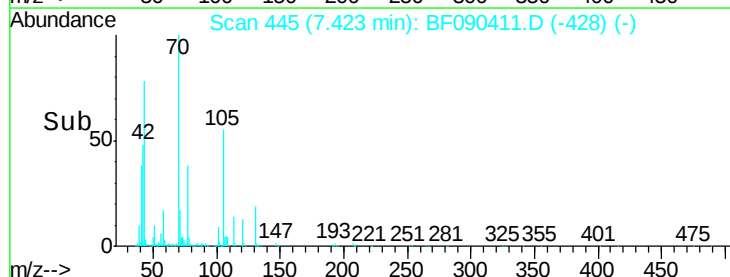
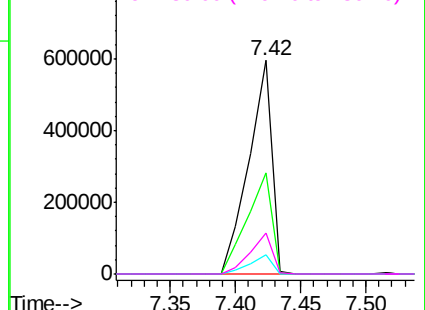


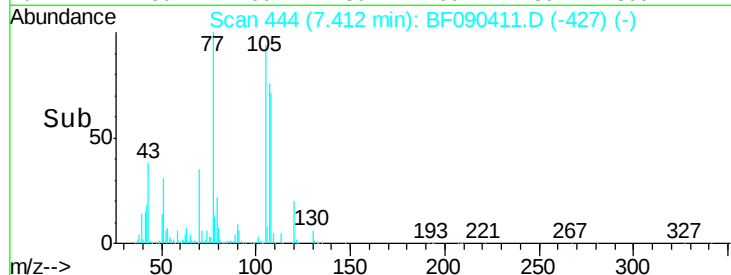
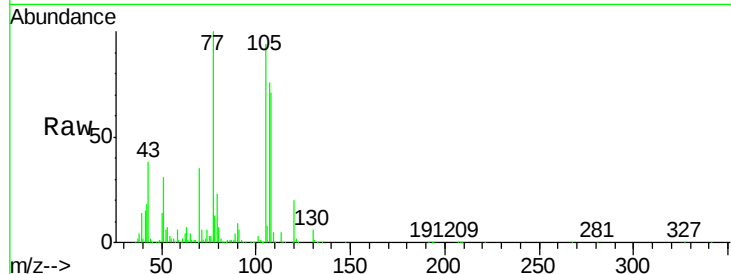
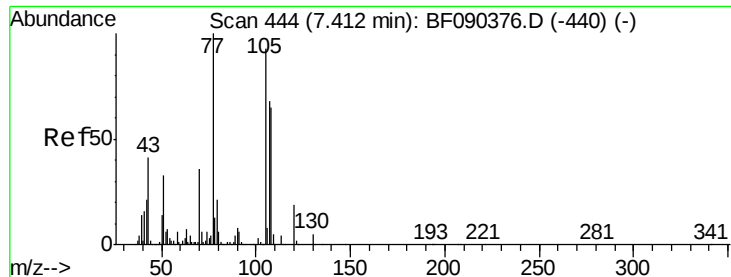
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 49.47 ng

RT: 7.41 min Scan# 444

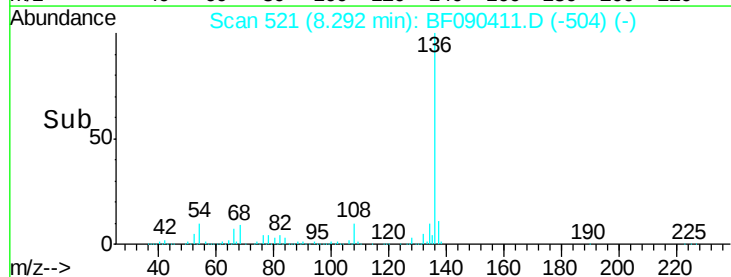
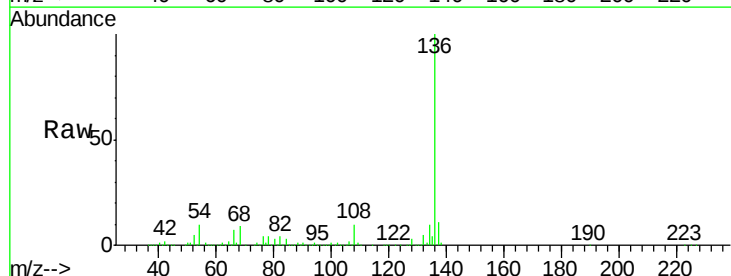
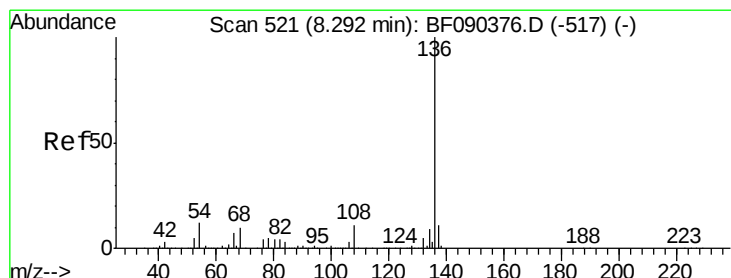
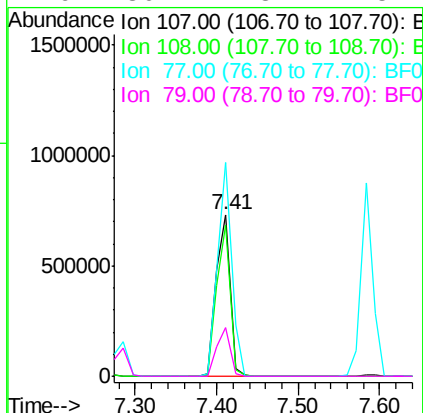
Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.8	66.7	106.7
77	132.2	53.7	93.7#
79	30.1	8.4	48.4

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS



#21

Naphthalene-d8

Concen: 20.00 ng

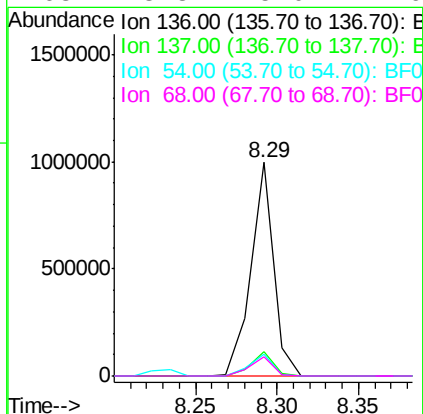
RT: 8.29 min Scan# 521

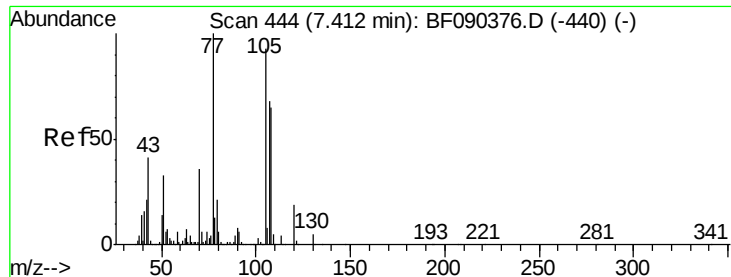
Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	10.3	6.6	10.0#
68	8.8	5.0	7.6#





#22

Acetophenone

Concen: 47.85 ng

RT: 7.41 min Scan# 444

Delta R.T. -0.00 min

Lab File: BF090411.D

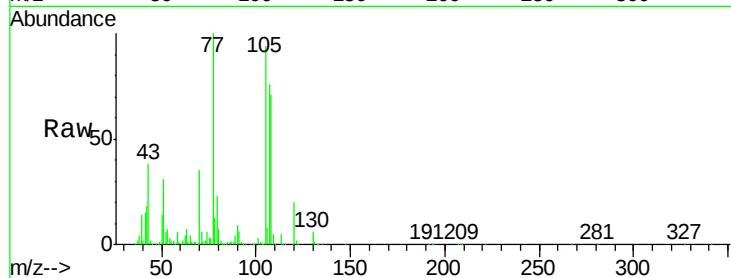
Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS



Tgt Ion: 105 Resp: 1093870

Ion Ratio Lower Upper

105 100

71 6.3 3.8 5.6#

51 33.3 28.2 42.4

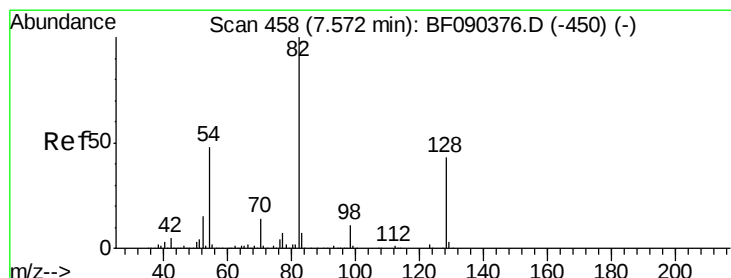
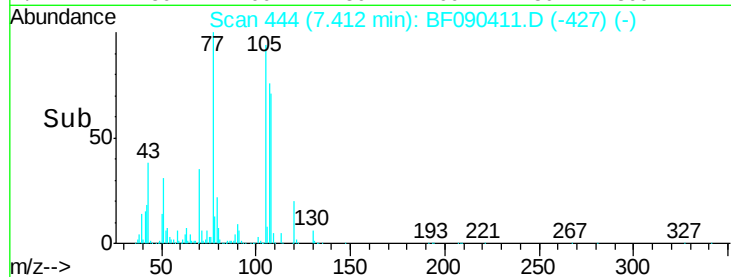
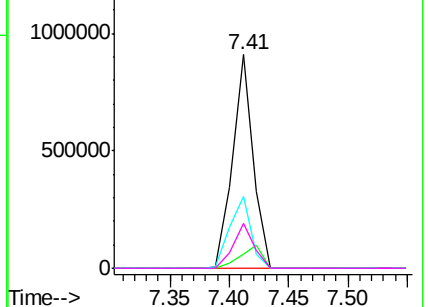
120 21.1 17.4 26.2

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: 95.15 ng

RT: 7.57 min Scan# 458

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion: 82 Resp: 1888018

Ion Ratio Lower Upper

82 100

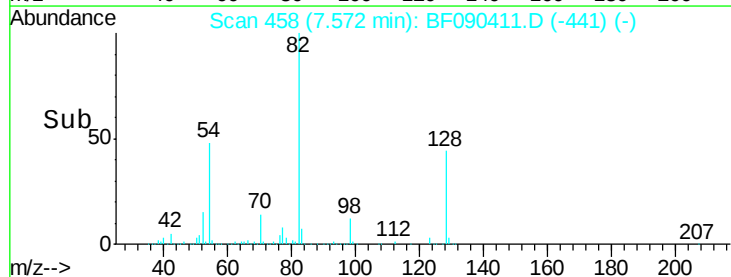
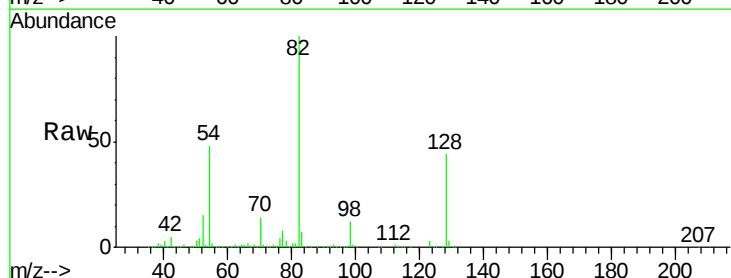
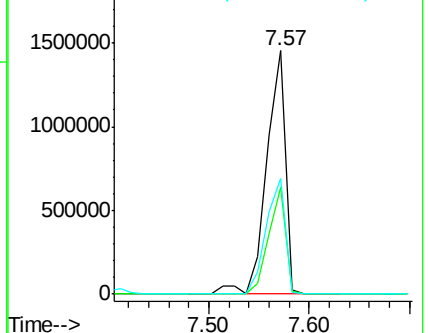
128 43.9 40.0 60.0

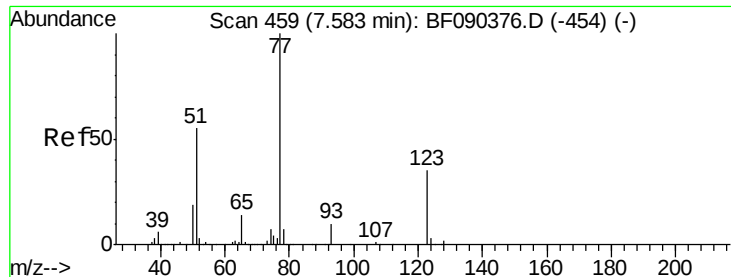
54 47.7 42.6 64.0

Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

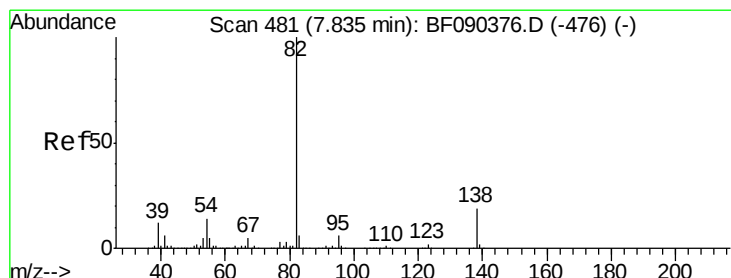
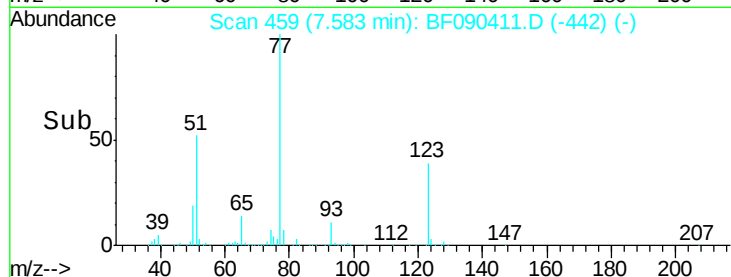
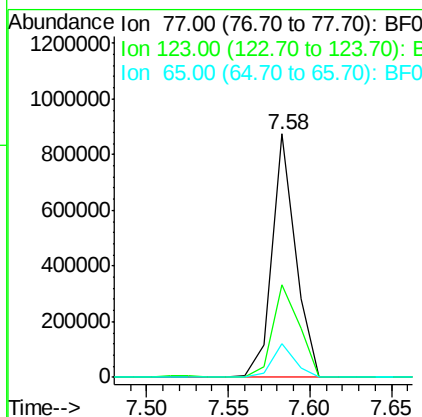
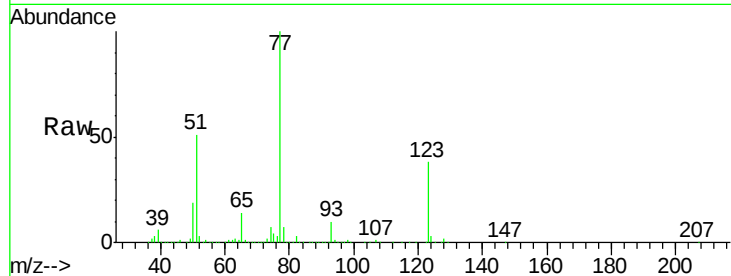




#24
 Nitrobenzene
 Concen: 44.54 ng
 RT: 7.58 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

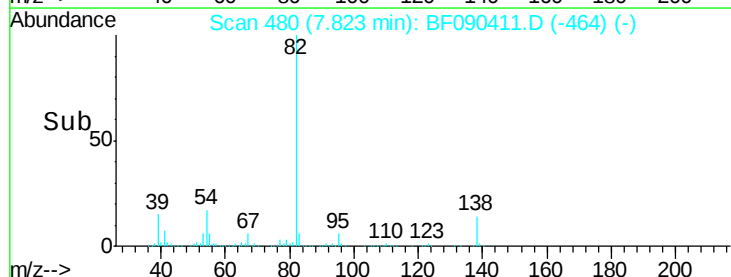
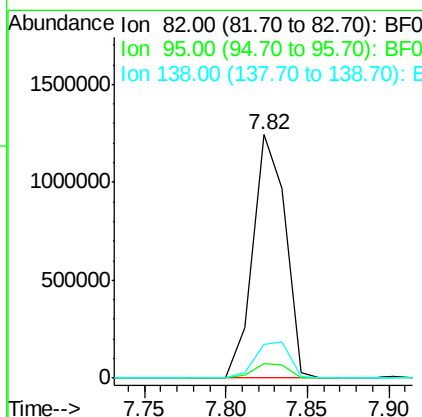
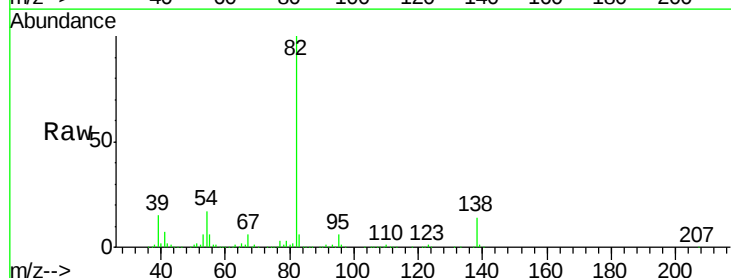
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

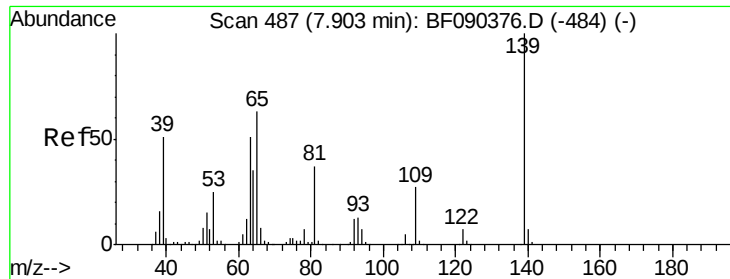
Tgt Ion: 77 Resp: 877339
 Ion Ratio Lower Upper
 77 100
 123 38.1 33.0 49.4
 65 14.0 12.0 18.0



#25
 Isophorone
 Concen: 47.39 ng
 RT: 7.82 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion: 82 Resp: 1719218
 Ion Ratio Lower Upper
 82 100
 95 6.0 5.2 7.8
 138 14.1 13.0 19.4

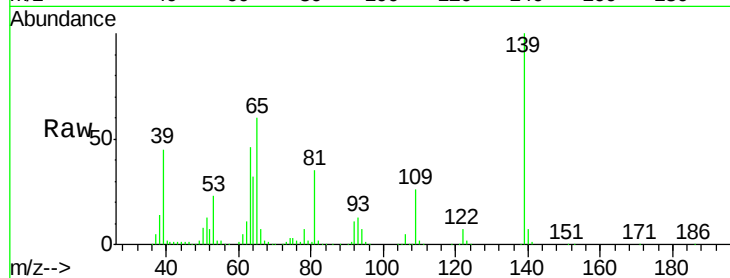




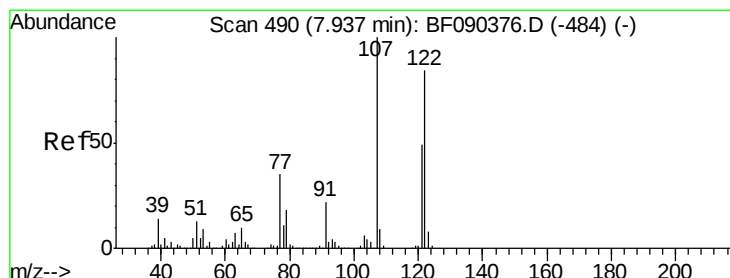
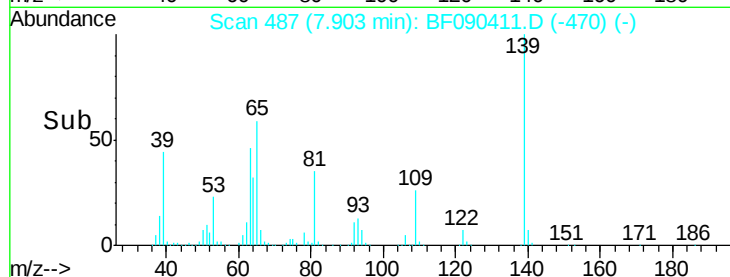
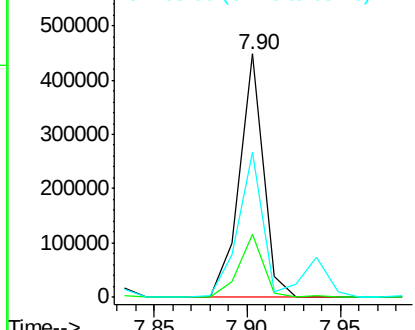
#26
2-Nitrophenol
Concen: 47.54 ng
RT: 7.90 min Scan# 487
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion	Ratio	Lower	Upper
139	100		
109	25.8	18.9	28.3
65	59.6	31.6	47.4

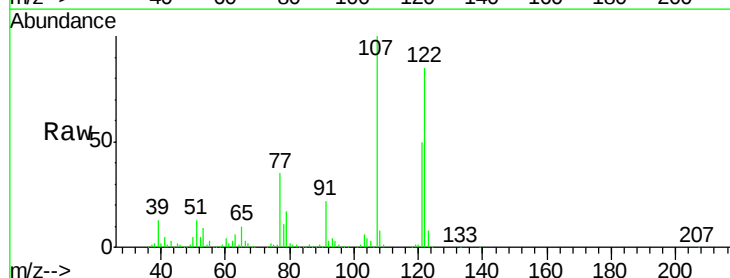


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

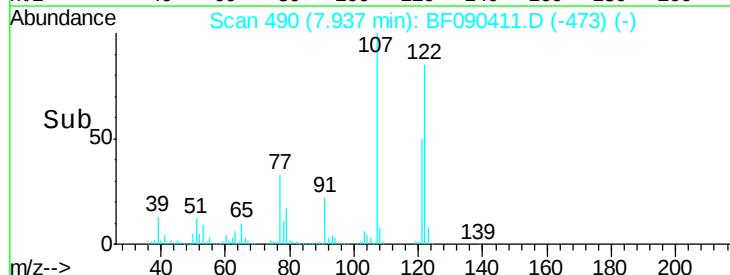
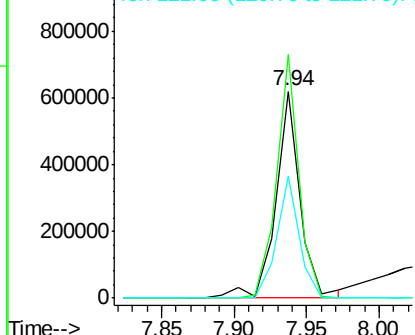


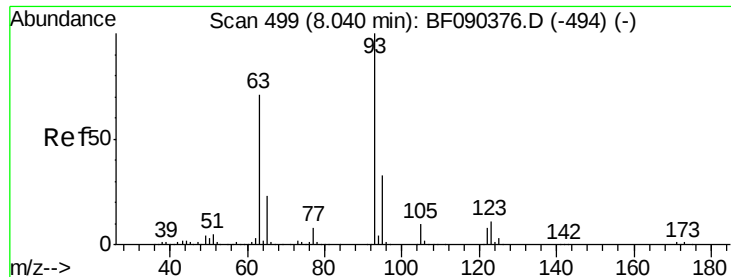
#27
2,4-Dimethylphenol
Concen: 43.51 ng
RT: 7.94 min Scan# 490
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.9	88.6	132.8
121	59.0	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

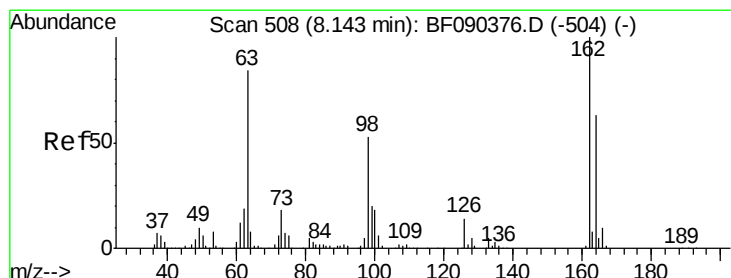
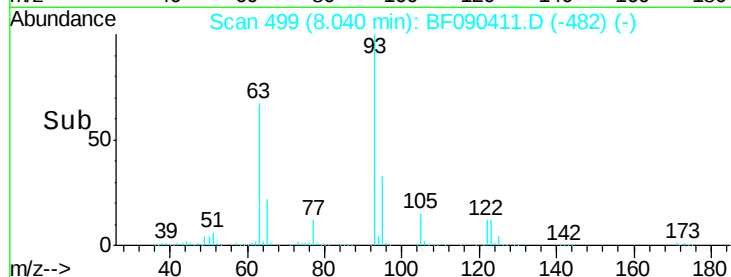
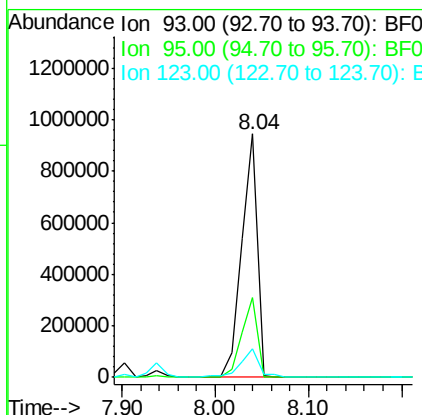
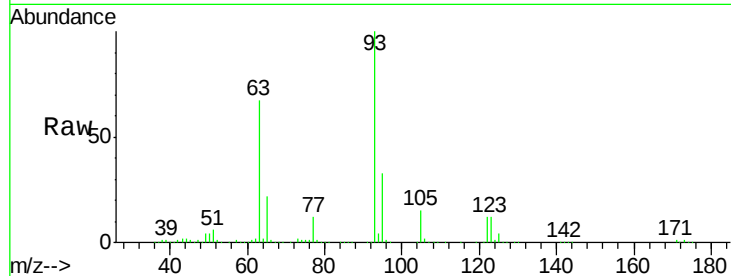




#28
bis(2-Chloroethoxy)methane
Concen: 50.80 ng
RT: 8.04 min Scan# 499
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

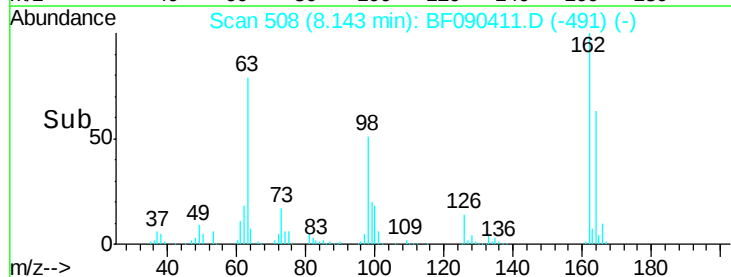
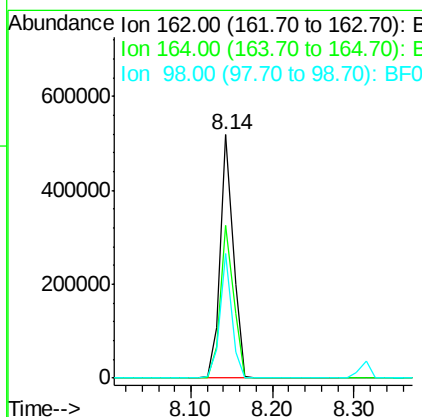
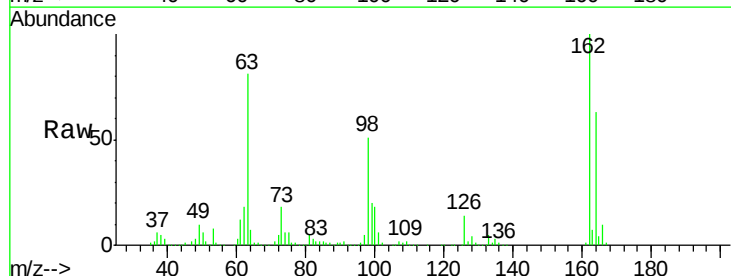
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

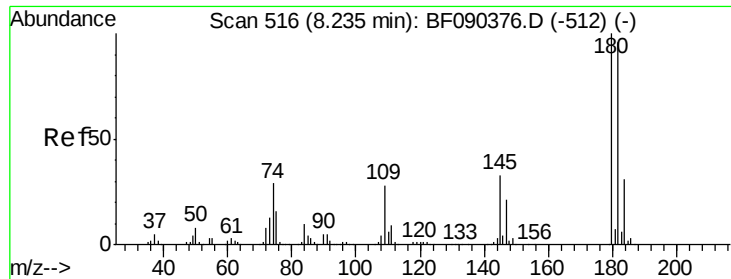
Tgt Ion: 93 Resp: 1090054
Ion Ratio Lower Upper
93 100
95 33.0 27.0 40.4
123 11.9 11.1 16.7



#29
2,4-Dichlorophenol
Concen: 45.89 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion: 162 Resp: 575275
Ion Ratio Lower Upper
162 100
164 62.6 45.7 85.7
98 51.3 13.3 53.3

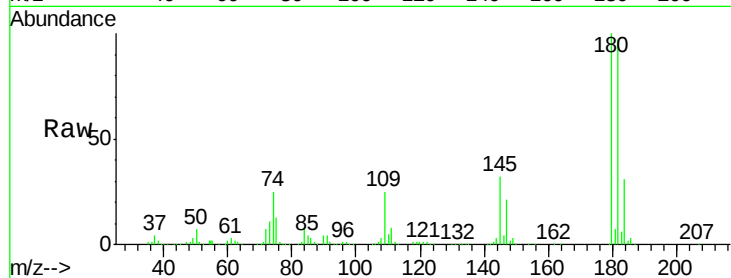




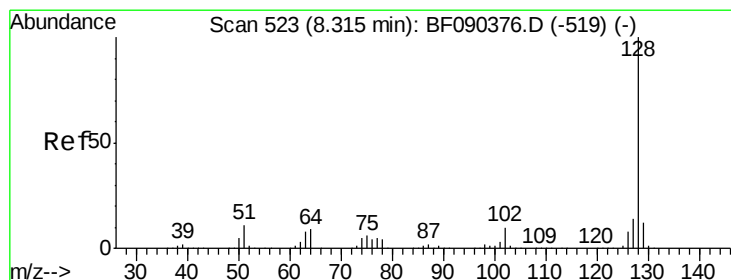
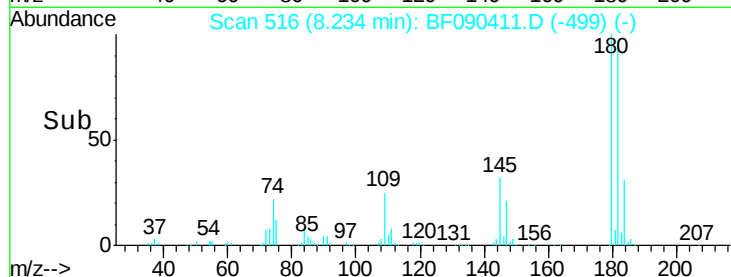
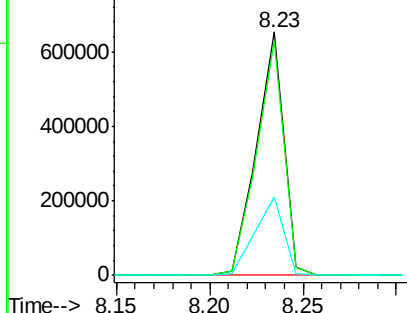
#30
1,2,4-Trichlorobenzene
Concen: 51.26 ng
RT: 8.23 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:180 Resp: 662309
Ion Ratio Lower Upper
180 100
182 96.5 75.3 112.9
145 32.1 27.7 41.5

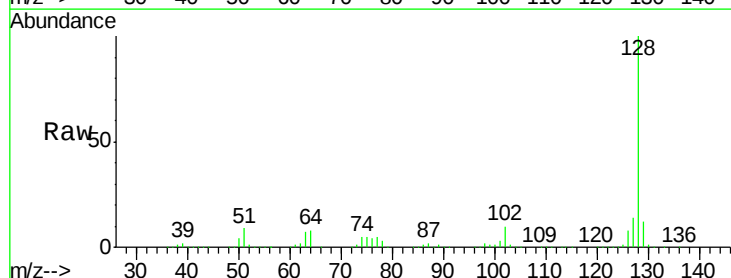


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

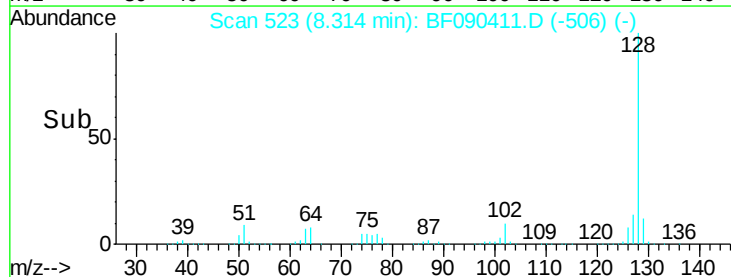
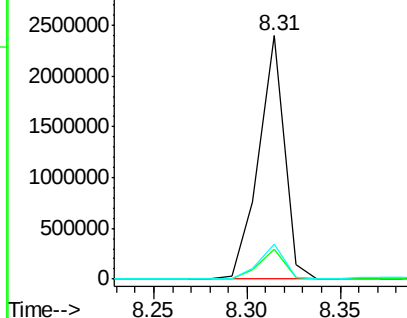


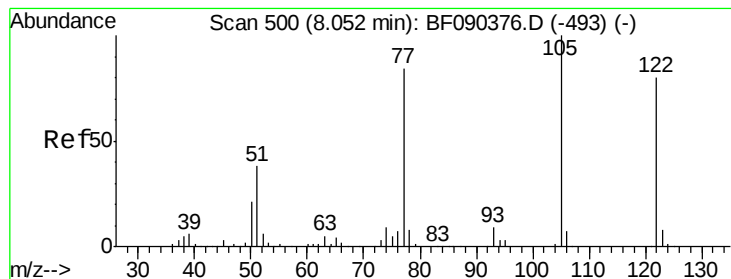
#31
Naphthalene
Concen: 49.20 ng
RT: 8.31 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:128 Resp: 2291209
Ion Ratio Lower Upper
128 100
129 12.1 9.7 14.5
127 14.1 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: 45.17 ng

RT: 8.05 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

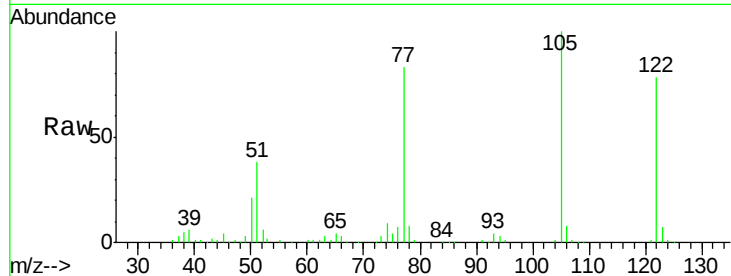
Tgt Ion:122 Resp: 517857

Ion Ratio Lower Upper

122 100

105 127.7 103.9 143.9

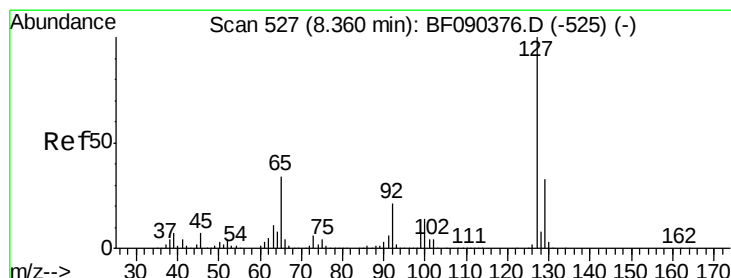
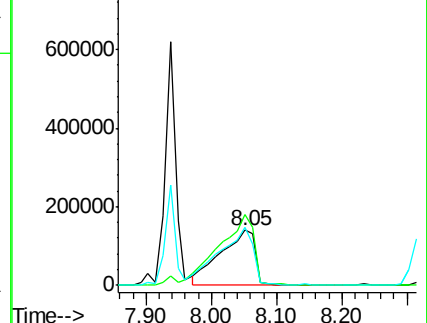
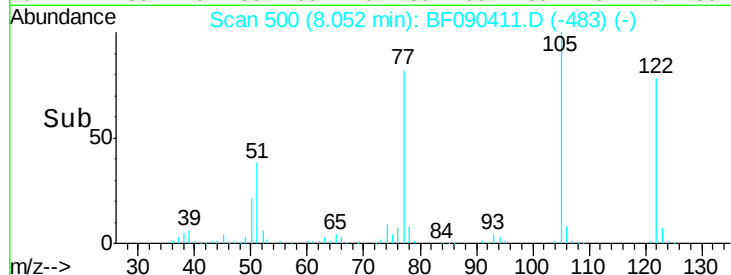
77 105.6 74.6 114.6



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: 3.06 ng

RT: 8.37 min Scan# 528

Delta R.T. 0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Tgt Ion:127 Resp: 58919

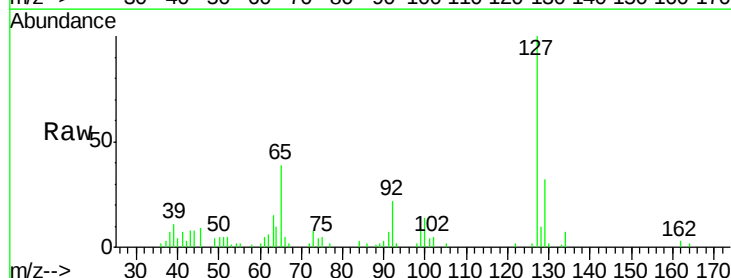
Ion Ratio Lower Upper

127 100

129 32.3 26.2 39.4

65 38.8 32.5 48.7

92 21.8 17.2 25.8

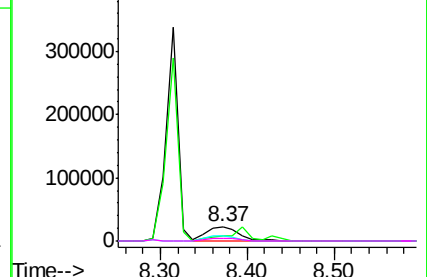
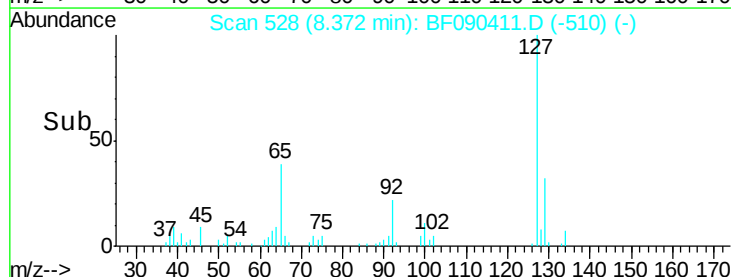


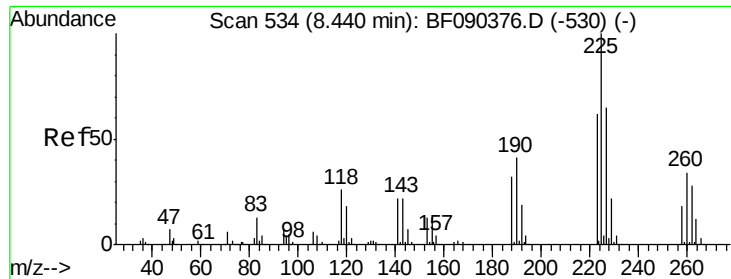
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

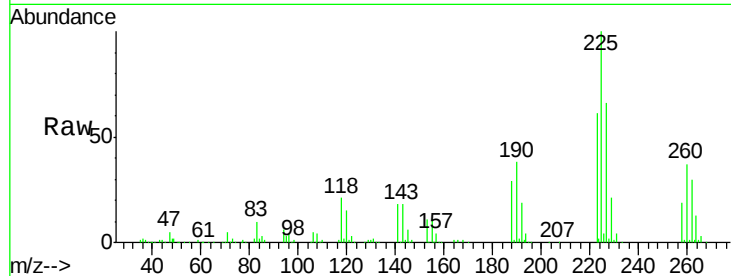




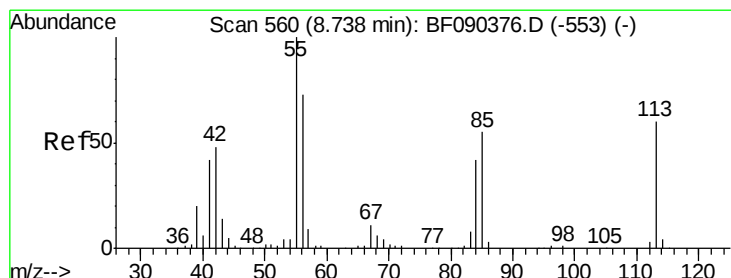
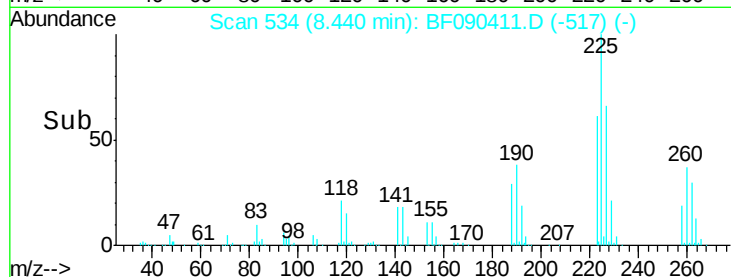
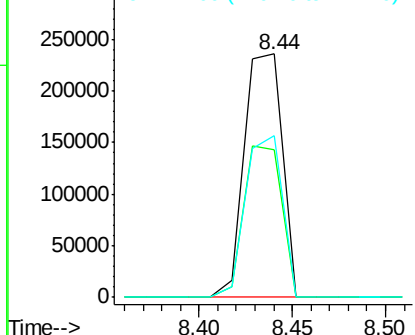
#34
Hexachlorobutadiene
Concen: 46.01 ng
RT: 8.44 min Scan# 534
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:225 Resp: 332172
Ion Ratio Lower Upper
225 100
223 60.8 51.0 76.4
227 66.4 50.8 76.2

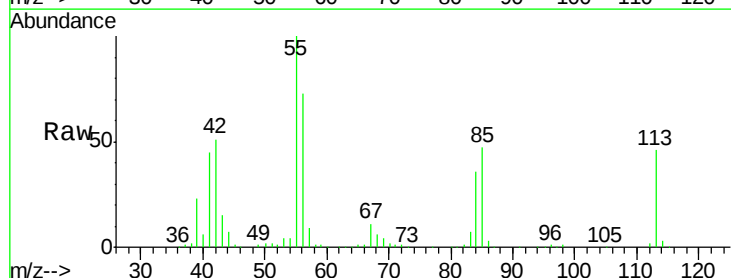


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

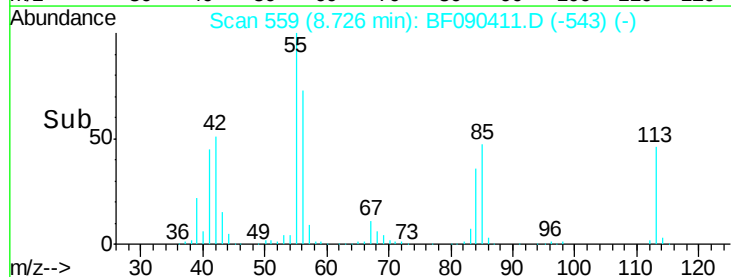
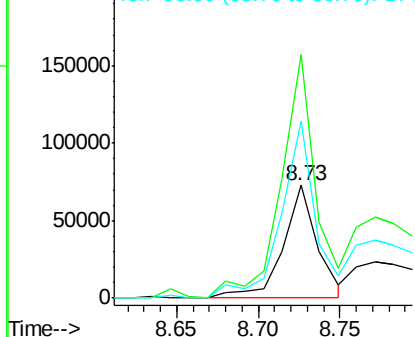


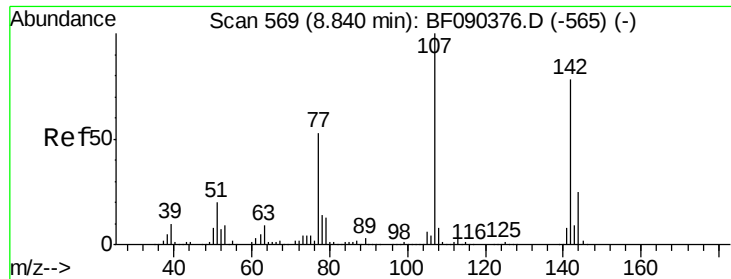
#35
Caprolactam
Concen: 25.29 ng
RT: 8.73 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:113 Resp: 106599
Ion Ratio Lower Upper
113 100
55 215.9 203.3 243.3
56 156.8 140.5 180.5



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

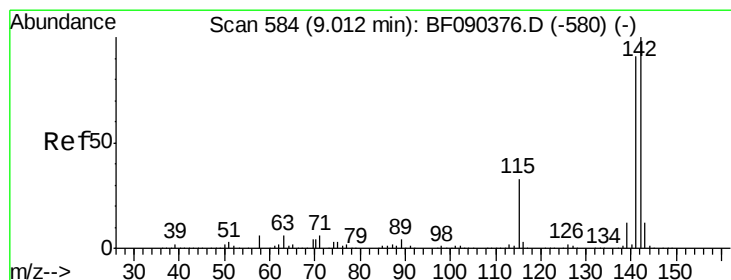
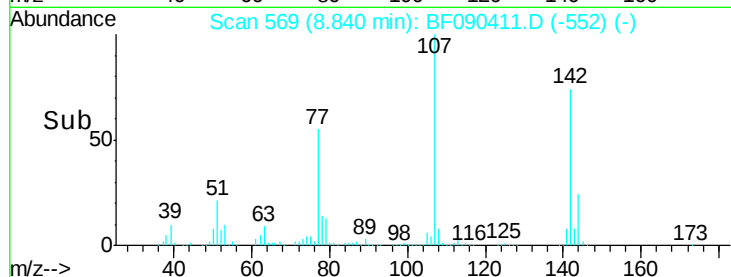
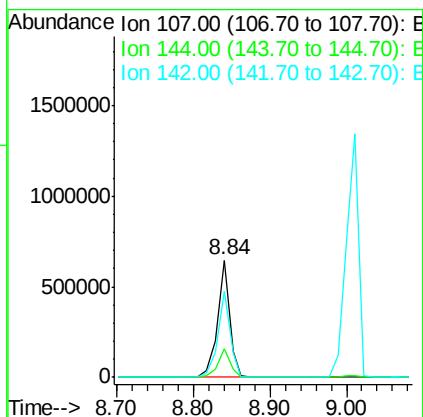
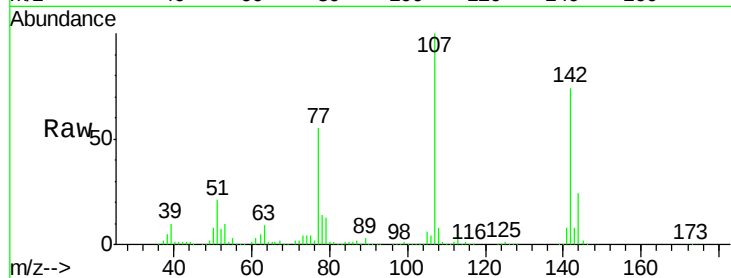




#36
 4-Chloro-3-methylphenol
 Concen: 45.36 ng
 RT: 8.84 min Scan# 569
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

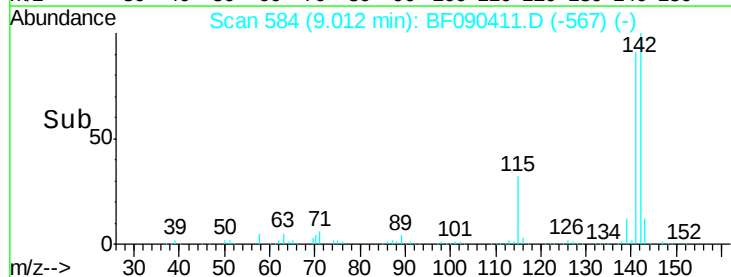
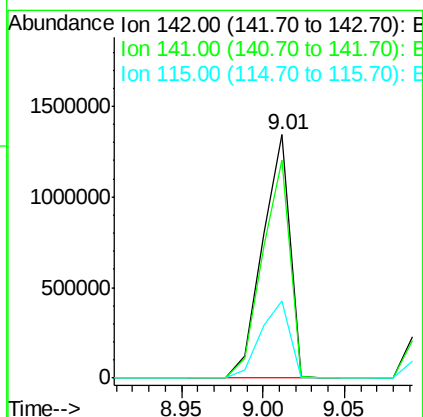
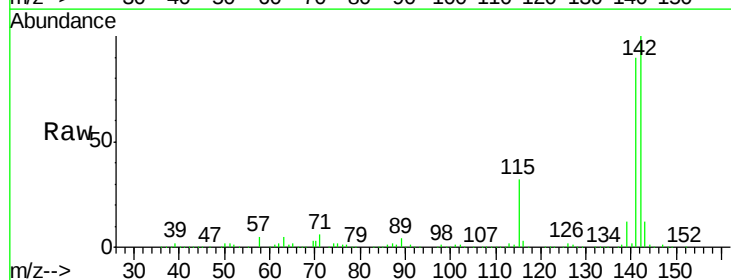
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

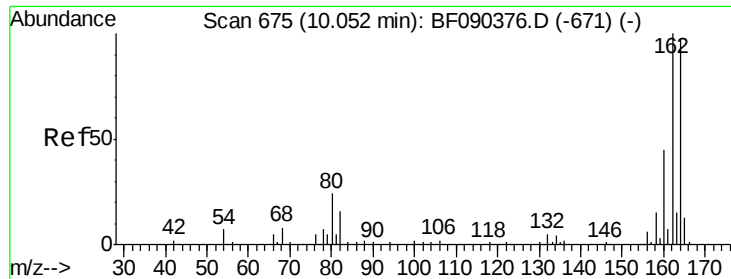
Tgt Ion:107 Resp: 712081
 Ion Ratio Lower Upper
 107 100
 144 24.1 19.8 29.8
 142 73.9 60.7 91.1



#37
 2-Methylnaphthalene
 Concen: 55.40 ng
 RT: 9.01 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:142 Resp: 1561560
 Ion Ratio Lower Upper
 142 100
 141 89.5 71.8 107.8
 115 31.9 28.8 43.2

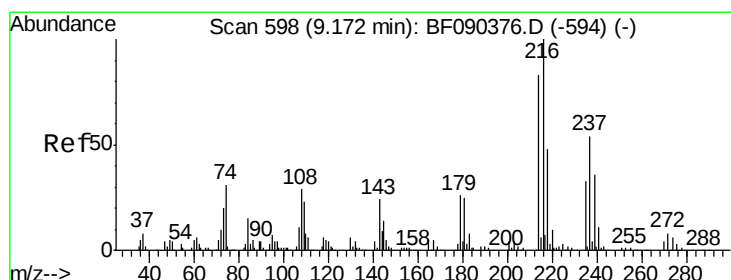
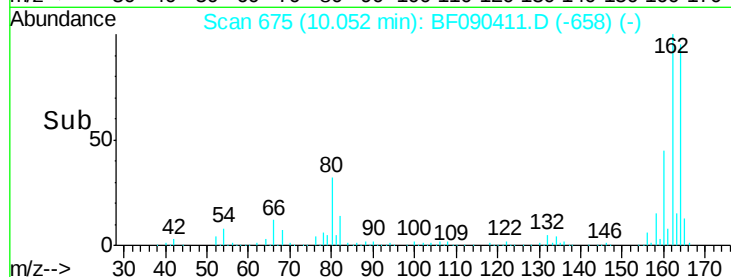
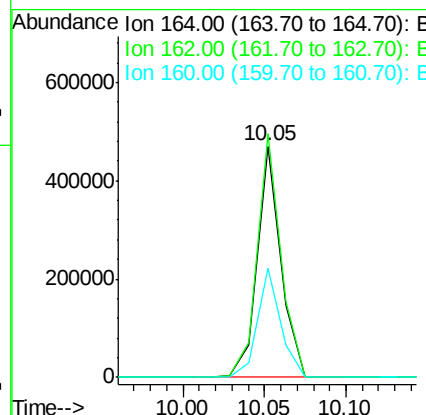
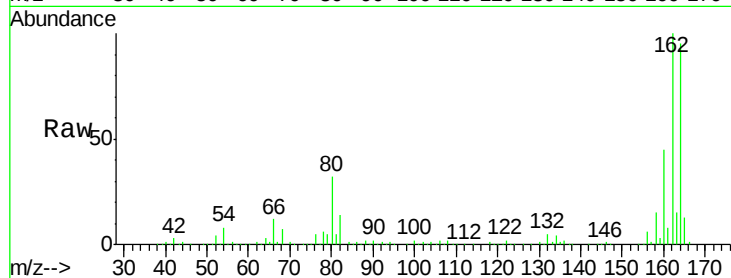




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

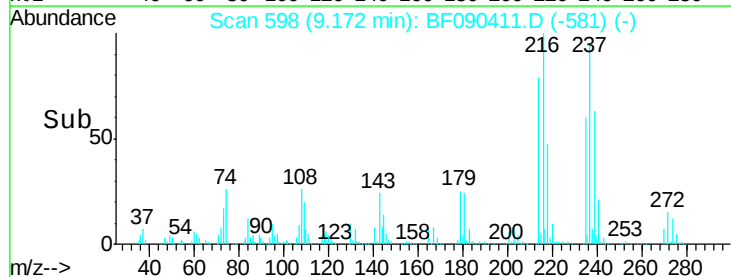
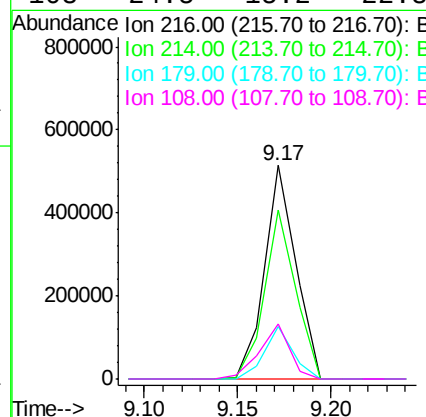
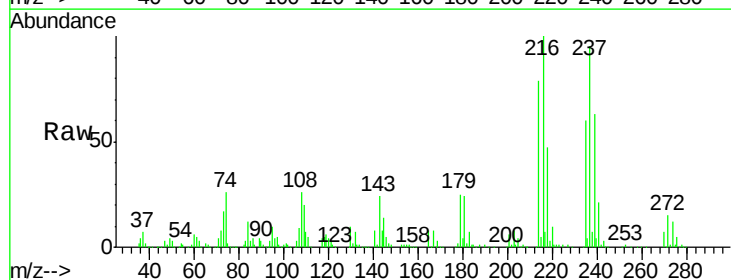
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

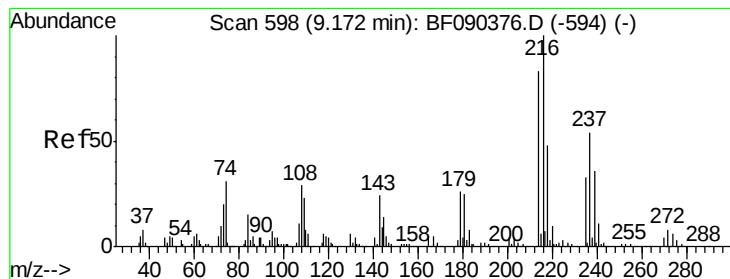
Tgt Ion:164 Resp: 469913
Ion Ratio Lower Upper
164 100
162 105.2 80.1 120.1
160 47.1 36.3 54.5



#39
1,2,4,5-Tetrachlorobenzene
Concen: 47.93 ng
RT: 9.17 min Scan# 598
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:216 Resp: 593865
Ion Ratio Lower Upper
216 100
214 79.0 64.2 96.2
179 22.8 18.0 27.0
108 24.5 15.2 22.8#





#40

Hexachlorocyclopentadiene

Concen: 111.26 ng

RT: 9.16 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

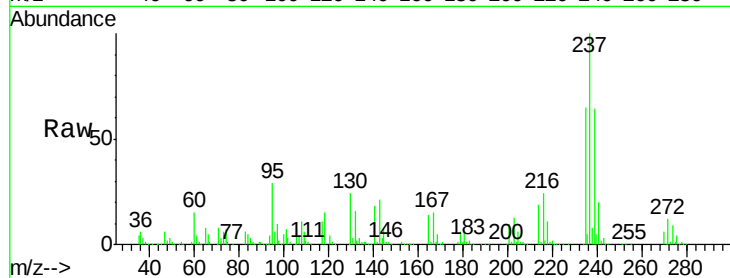
Tgt Ion:237 Resp: 755544

Ion Ratio Lower Upper

237 100

235 65.0 43.6 83.6

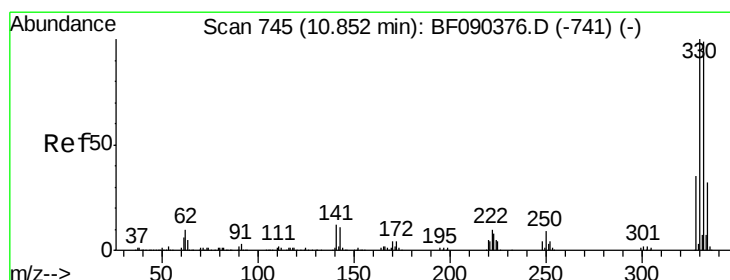
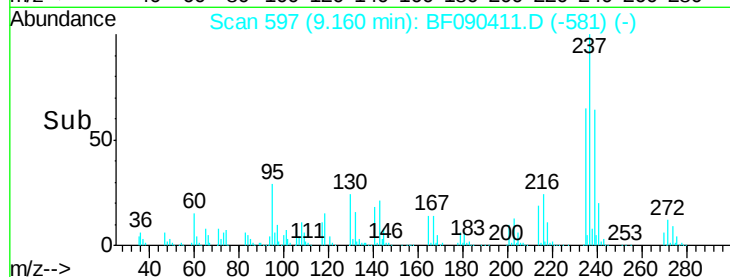
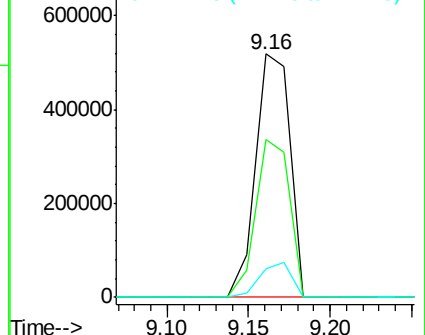
272 11.9 0.0 32.7



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: 197.03 ng

RT: 10.85 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

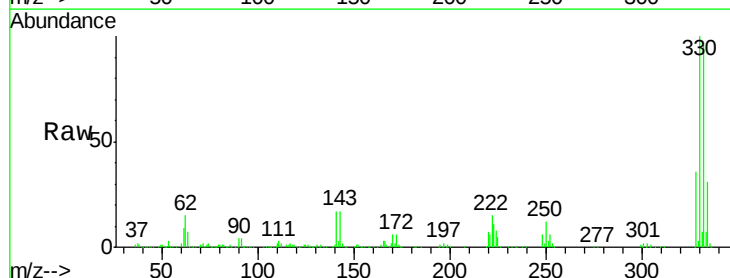
Tgt Ion:330 Resp: 752847

Ion Ratio Lower Upper

330 100

332 95.3 75.4 113.0

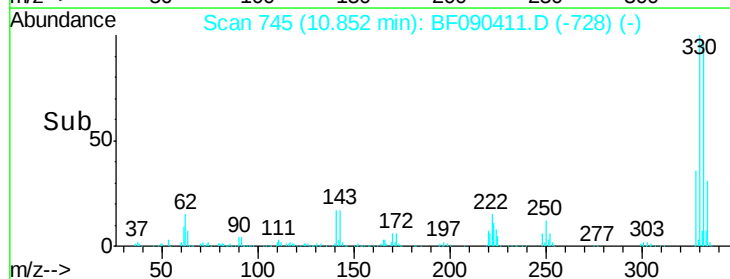
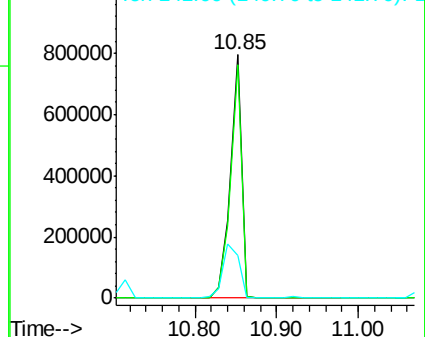
141 32.3 26.9 40.3

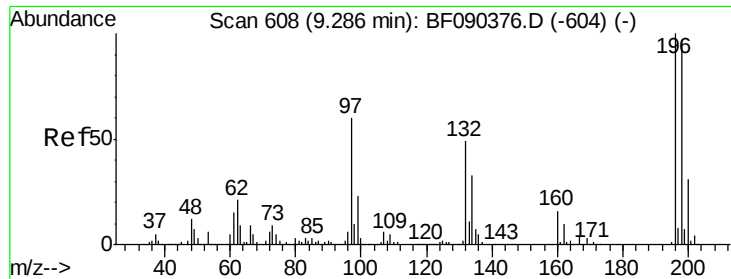


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

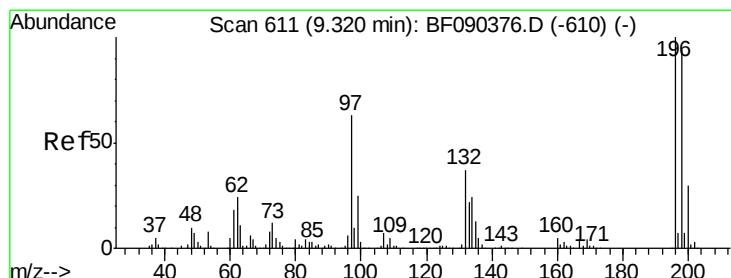
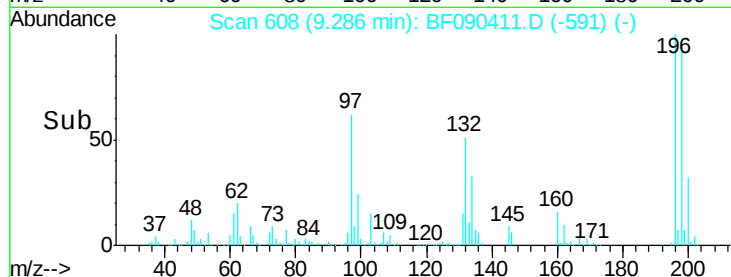
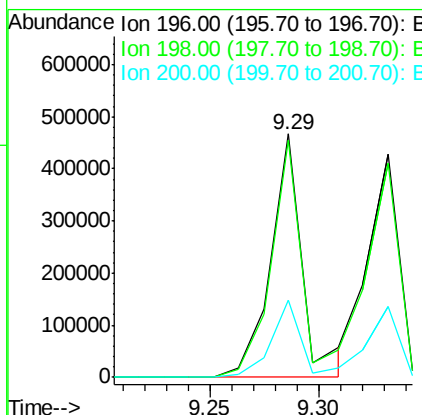
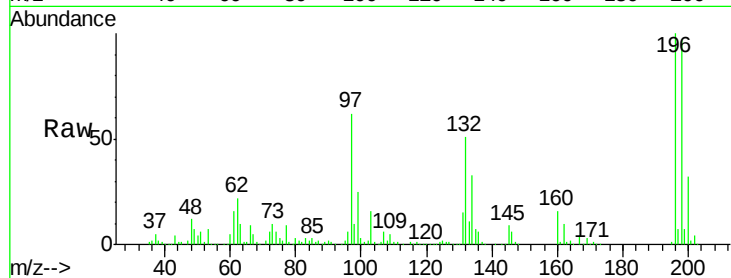




#42
 2,4,6-Trichlorophenol
 Concen: 56.23 ng
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

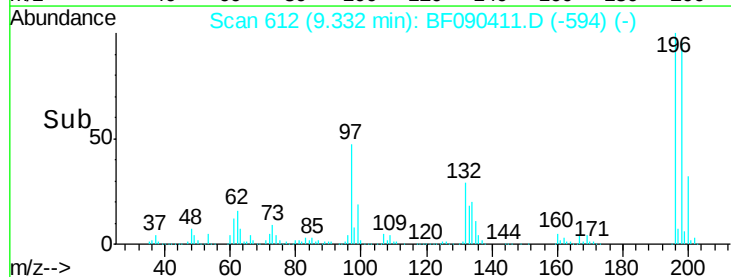
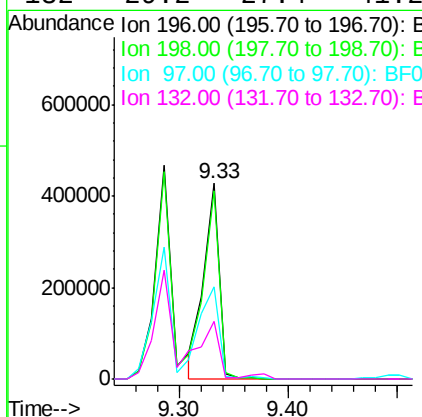
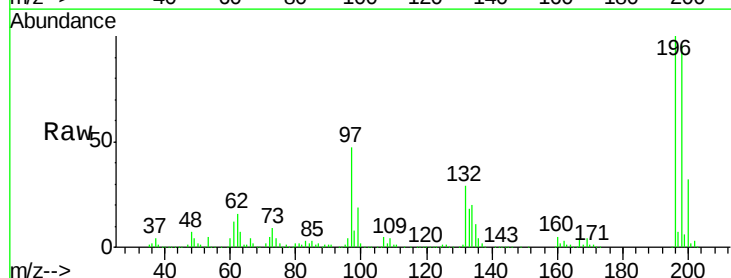
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

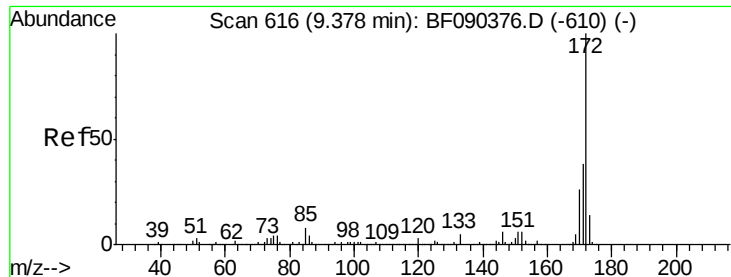
Tgt Ion:196 Resp: 480669
 Ion Ratio Lower Upper
 196 100
 198 97.2 78.9 118.3
 200 31.6 25.4 38.2



#43
 2,4,5-Trichlorophenol
 Concen: 53.17 ng
 RT: 9.33 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:196 Resp: 429801
 Ion Ratio Lower Upper
 196 100
 198 96.2 78.1 117.1
 97 47.2 48.1 72.1#
 132 29.2 27.4 41.2





#44

2-Fluorobiphenyl

Concen: 106.48 ng

RT: 9.38 min Scan# 616

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

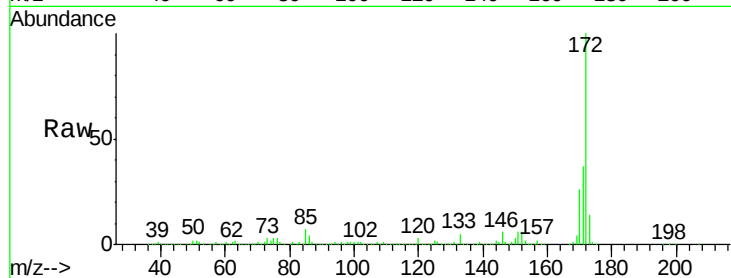
Tgt Ion:172 Resp: 3003098

Ion Ratio Lower Upper

172 100

171 37.4 31.8 47.8

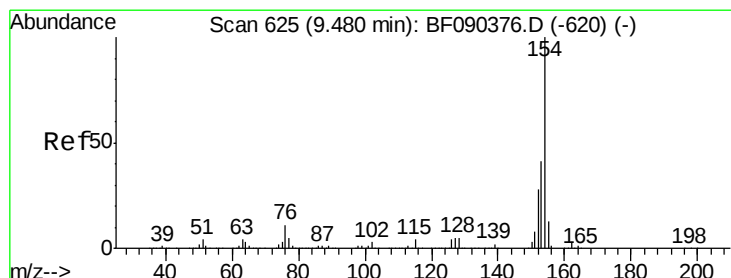
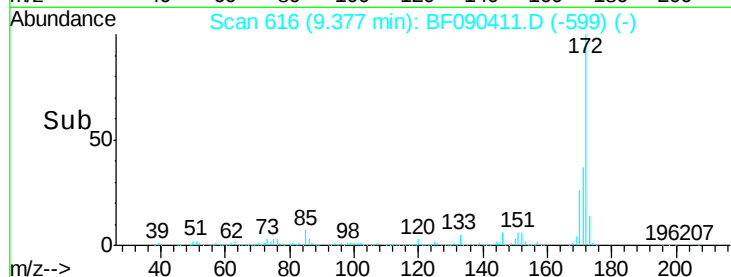
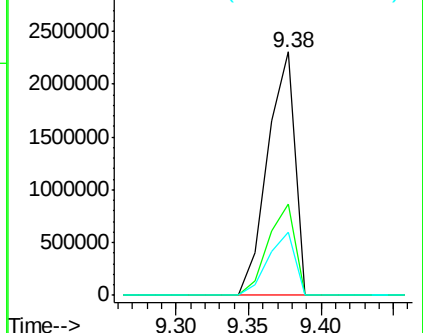
170 25.7 21.7 32.5



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: 47.45 ng

RT: 9.47 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

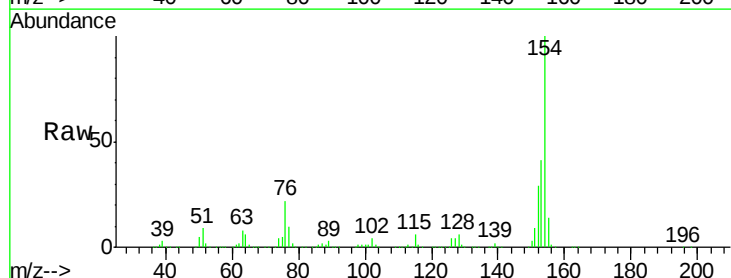
Tgt Ion:154 Resp: 1652200

Ion Ratio Lower Upper

154 100

153 41.3 23.8 63.8

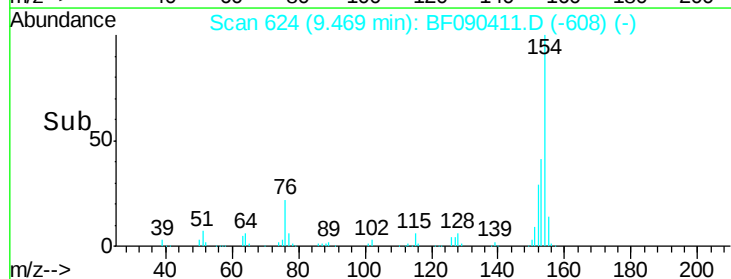
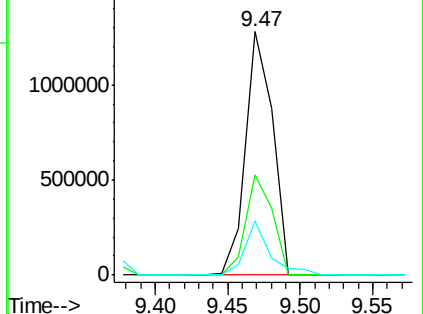
76 22.3 0.0 35.8

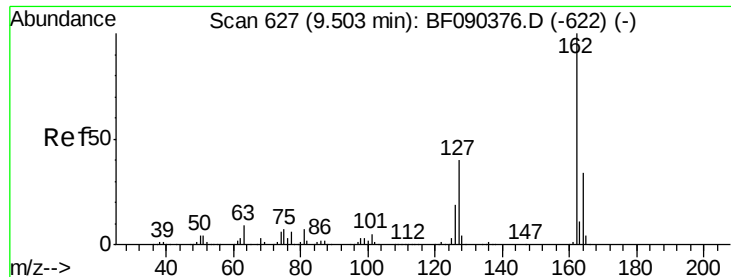


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



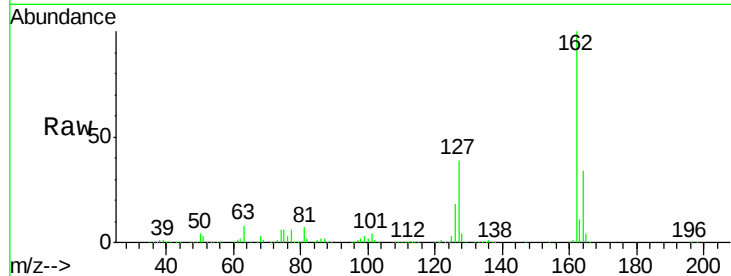


#46
 2-Chloronaphthalene
 Concen: 55.34 ng
 RT: 9.50 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

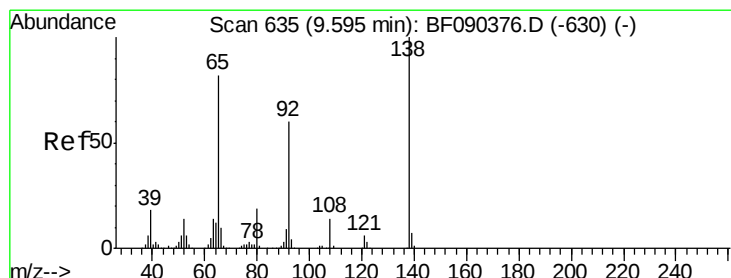
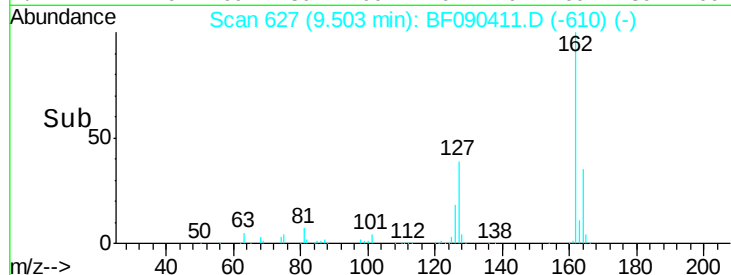
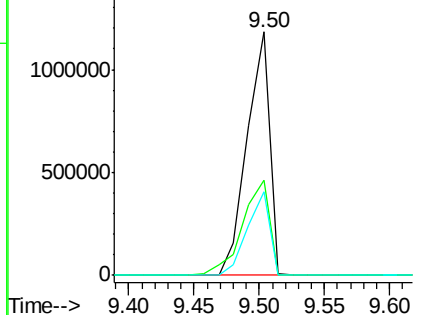
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion: 162 Resp: 1423887

Ion	Ratio	Lower	Upper
162	100		
127	39.1	35.6	53.4
164	34.5	27.5	41.3



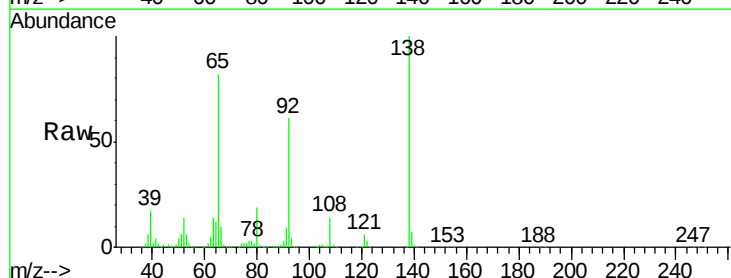
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E



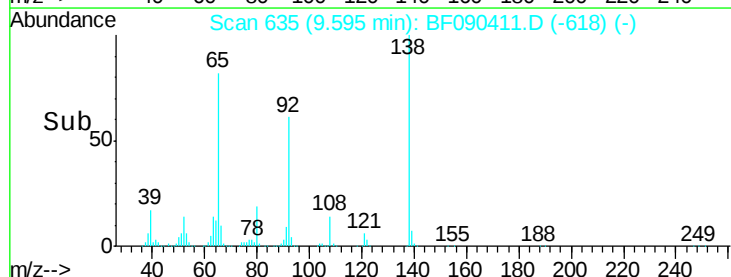
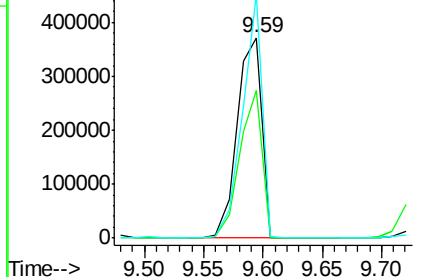
#47
 2-Nitroaniline
 Concen: 52.72 ng
 RT: 9.59 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

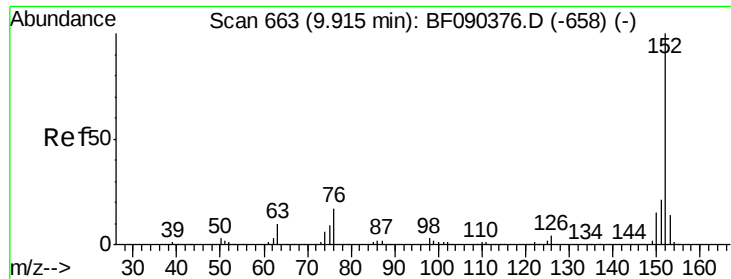
Tgt Ion: 65 Resp: 535197

Ion	Ratio	Lower	Upper
65	100		
92	73.8	51.7	77.5
138	121.6	79.0	118.4



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E

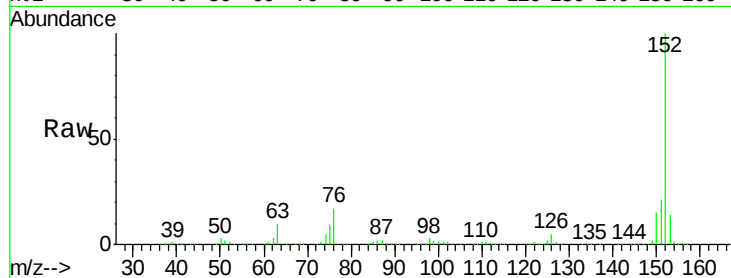




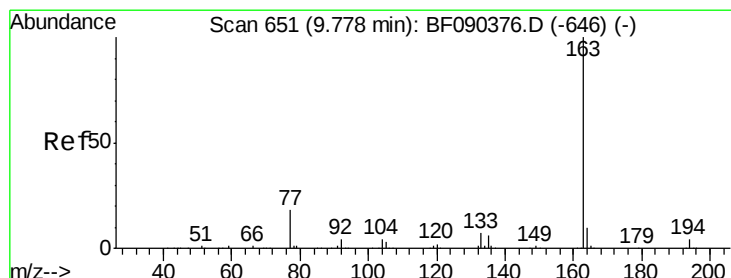
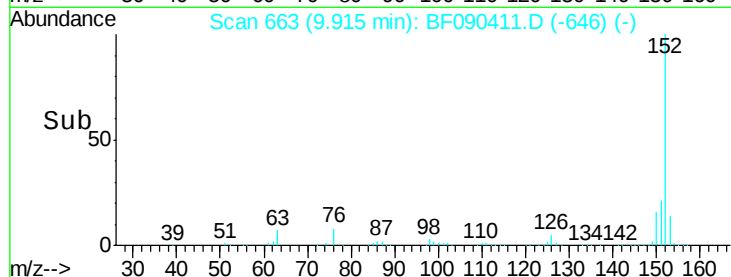
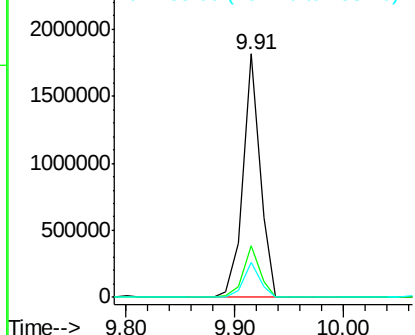
#48
Acenaphthylene
Concen: 46.24 ng
RT: 9.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:152 Resp: 1962917
Ion Ratio Lower Upper
152 100
151 21.4 17.4 26.0
153 14.4 11.6 17.4

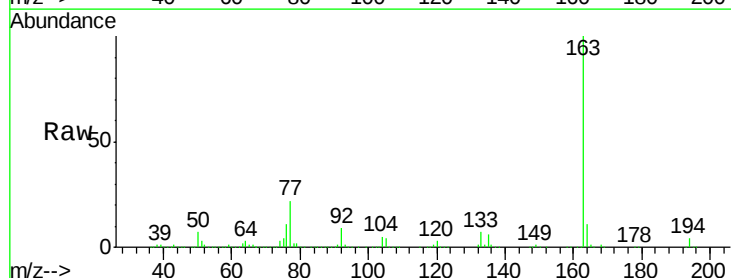


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

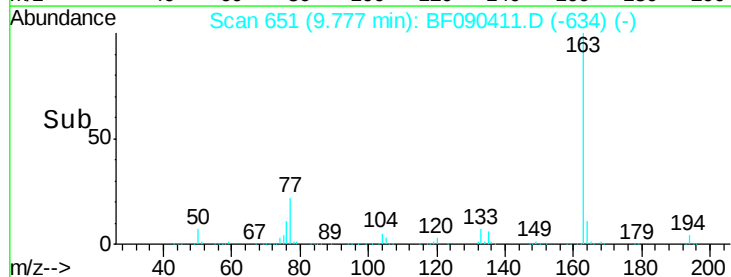
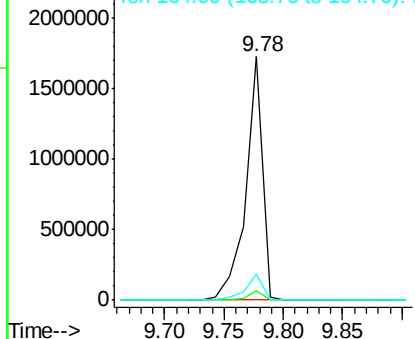


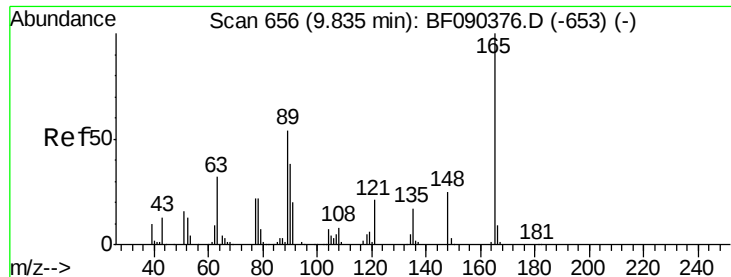
#49
Dimethylphthalate
Concen: 56.13 ng
RT: 9.78 min Scan# 651
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:163 Resp: 1689208
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.7 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

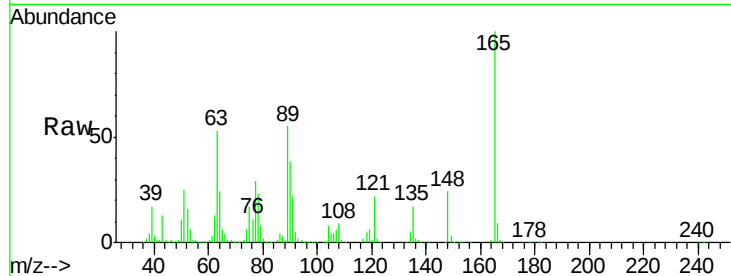




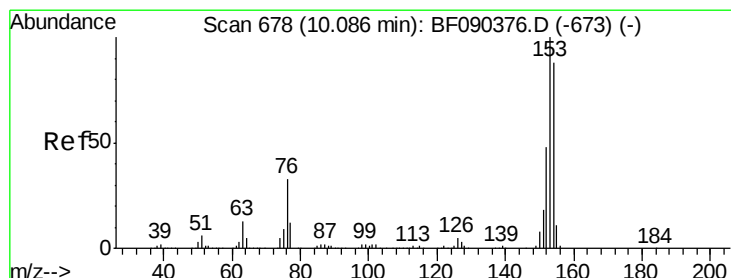
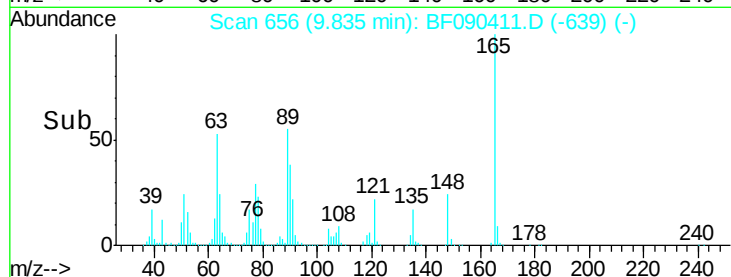
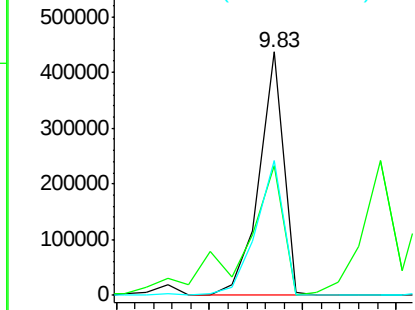
#50
2,6-Dinitrotoluene
Concen: 59.21 ng
RT: 9.83 min Scan# 656
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:165 Resp: 395624
Ion Ratio Lower Upper
165 100
63 53.4 58.0 87.0#
89 55.2 51.2 76.8

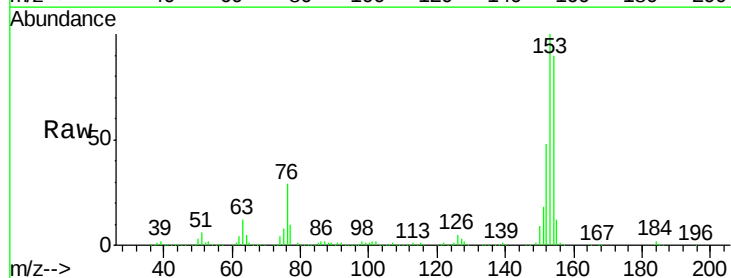


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

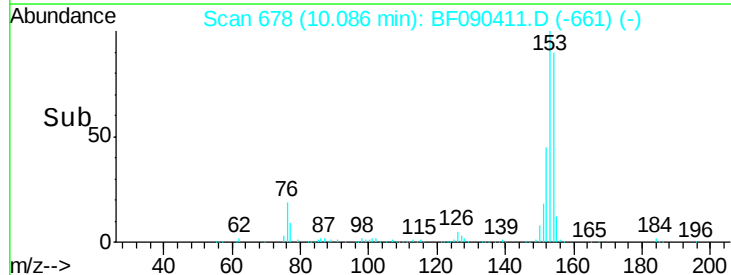
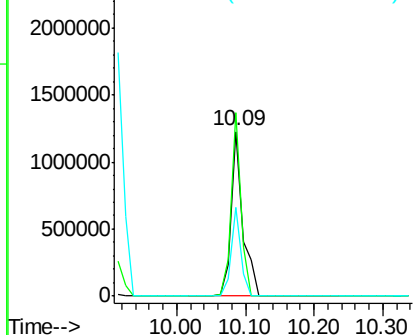


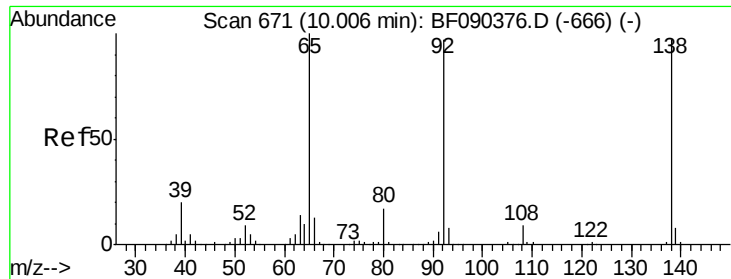
#51
Acenaphthene
Concen: 55.89 ng
RT: 10.09 min Scan# 678
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:154 Resp: 1479259
Ion Ratio Lower Upper
154 100
153 111.6 88.6 133.0
152 53.9 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

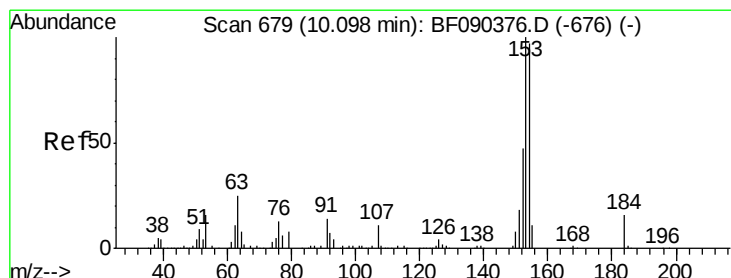
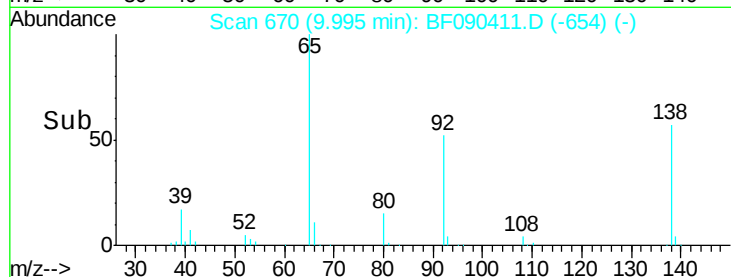
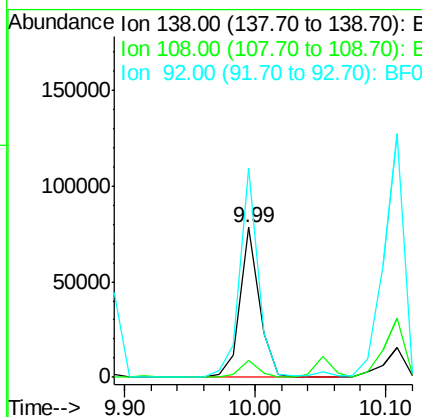
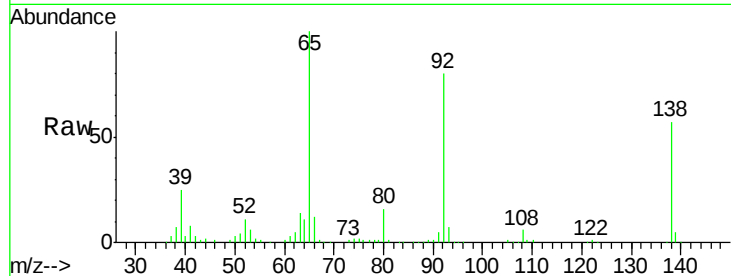




#52
3-Nitroaniline
Concen: 10.31 ng
RT: 9.99 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

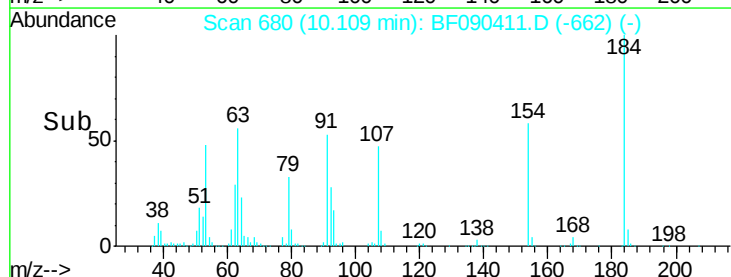
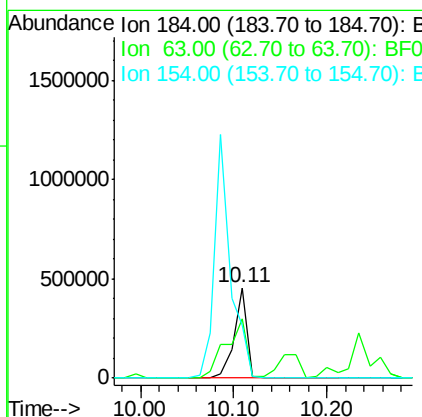
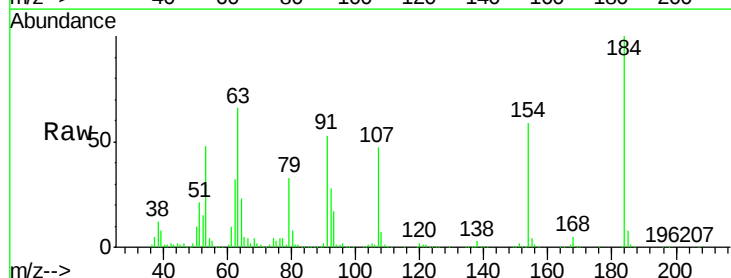
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

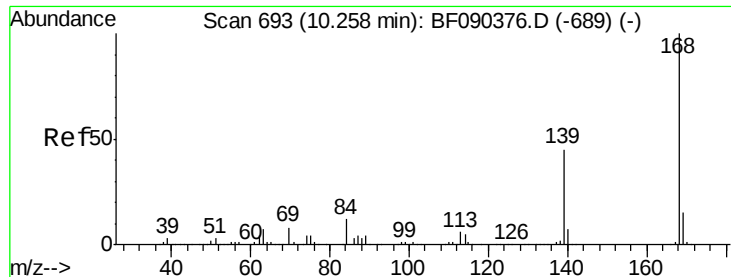
Tgt Ion:138 Resp: 80490
Ion Ratio Lower Upper
138 100
108 11.2 9.7 14.5
92 139.7 97.1 145.7



#53
2,4-Dinitrophenol
Concen: 146.91 ng
RT: 10.11 min Scan# 680
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:184 Resp: 437629
Ion Ratio Lower Upper
184 100
63 65.7 41.9 62.9#
154 58.6 48.9 73.3

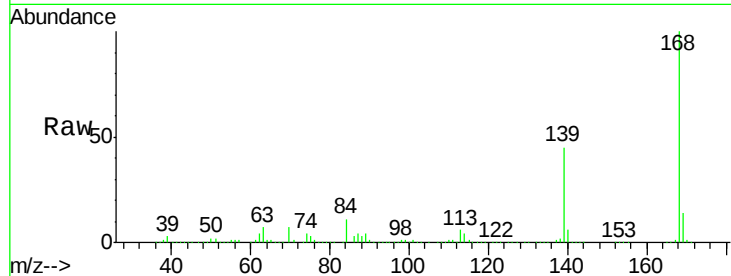




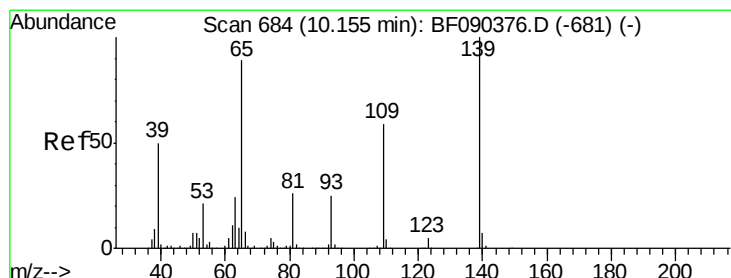
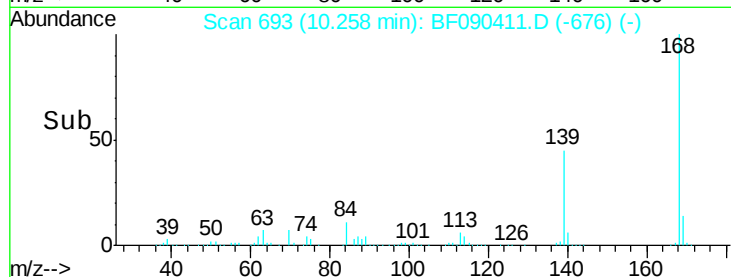
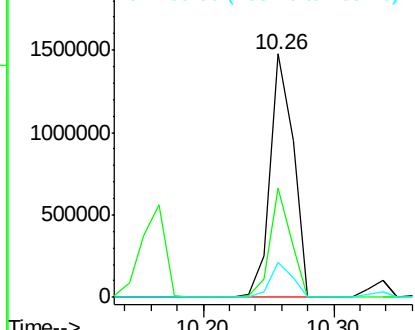
#54
Dibenzenofuran
Concen: 53.88 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:168 Resp: 1845931
Ion Ratio Lower Upper
168 100
139 44.7 29.6 44.4#
169 14.3 11.3 16.9

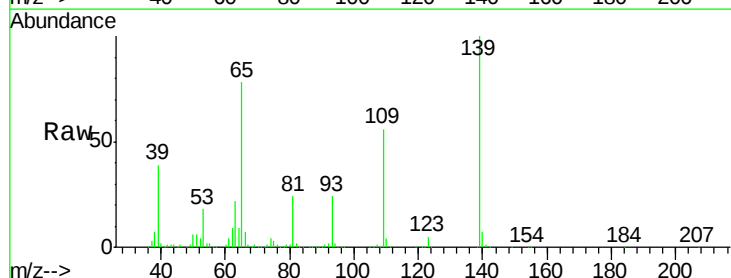


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

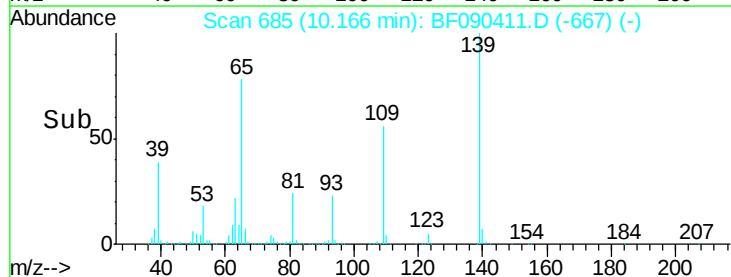
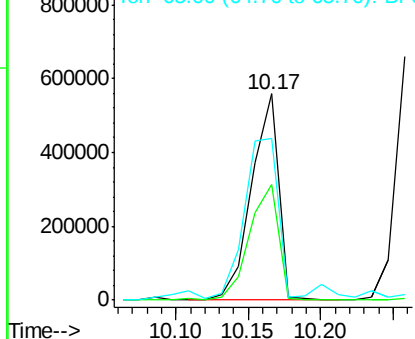


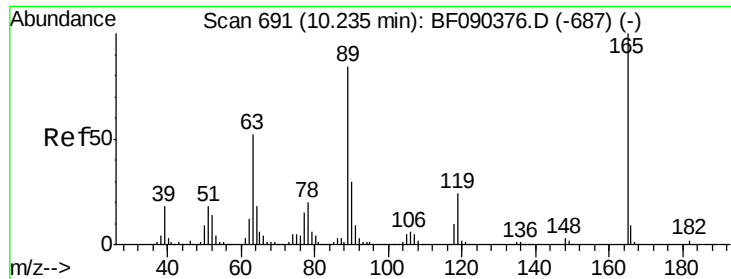
#55
4-Nitrophenol
Concen: 104.74 ng
RT: 10.17 min Scan# 685
Delta R.T. 0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:139 Resp: 715294
Ion Ratio Lower Upper
139 100
109 56.3 43.6 83.6
65 78.4 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

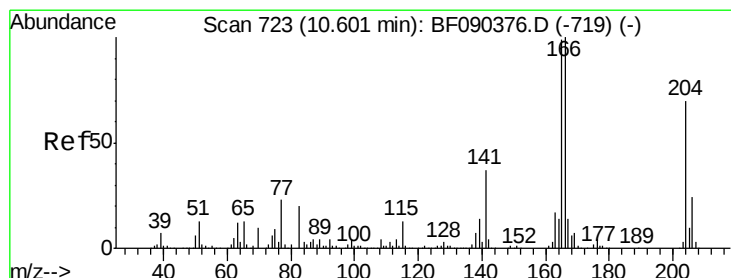
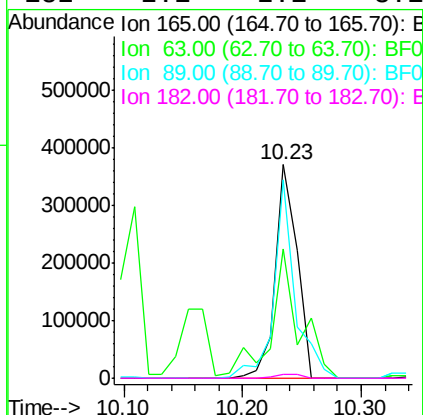
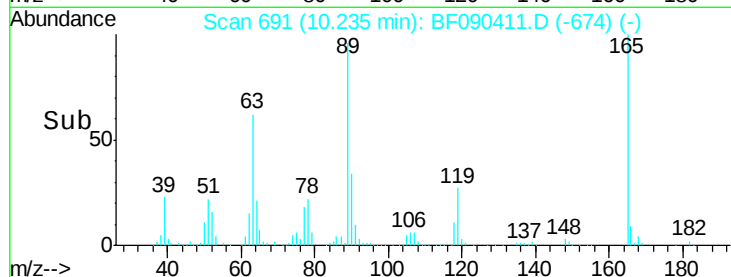
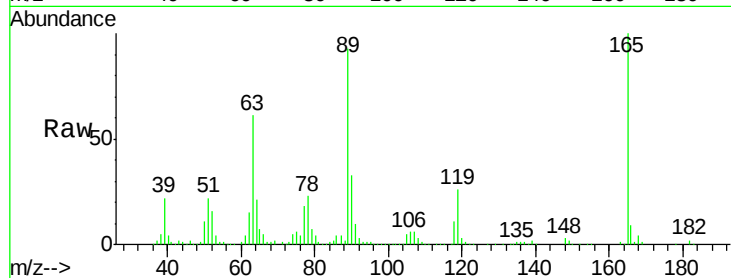




#56
2,4-Dinitrotoluene
Concen: 52.62 ng
RT: 10.23 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

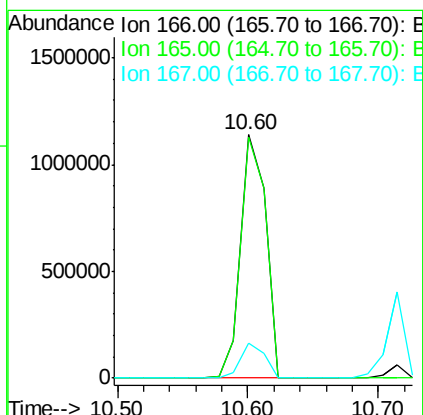
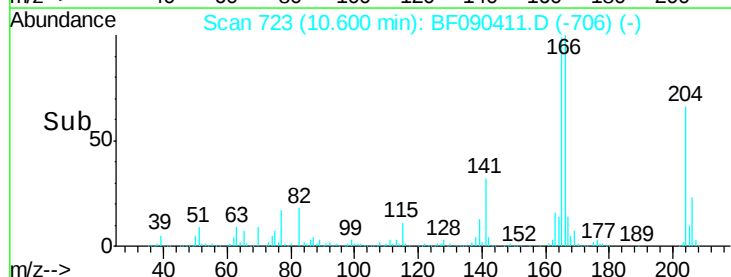
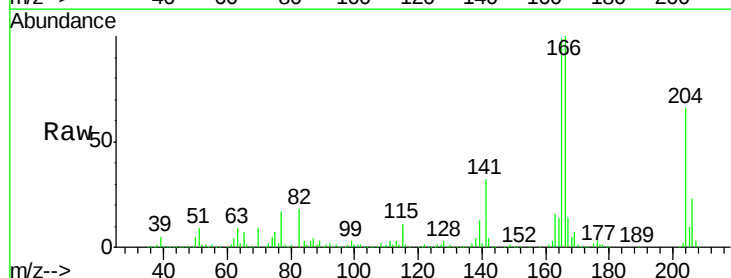
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

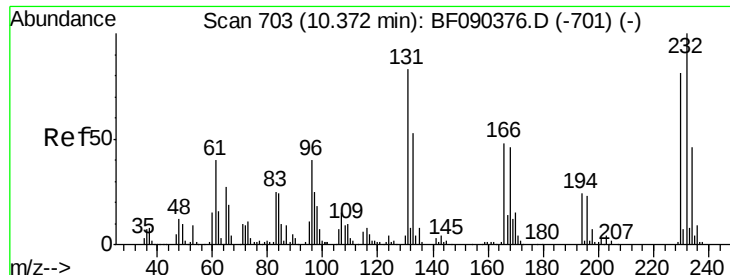
Tgt Ion	Ratio	Lower	Upper
165	100		
63	60.8	17.8	26.6#
89	93.2	33.2	49.8#
182	2.1	2.1	3.1



#57
Fluorene
Concen: 52.85 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.2	118.8
167	14.3	11.1	16.7

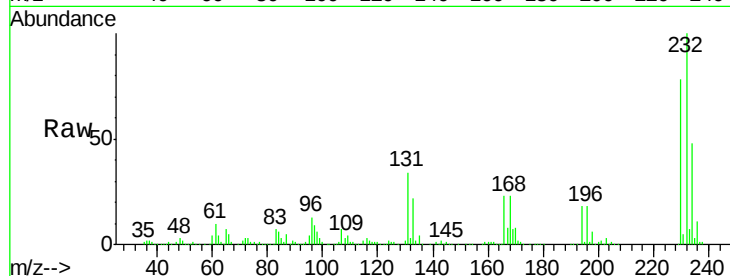




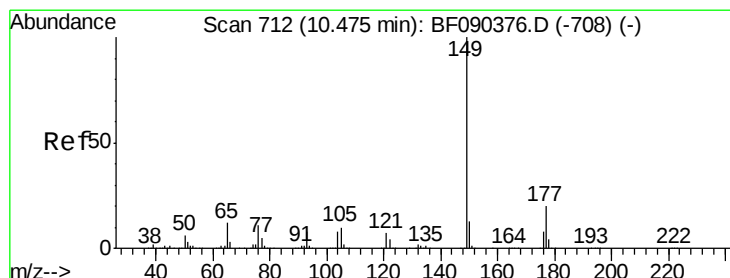
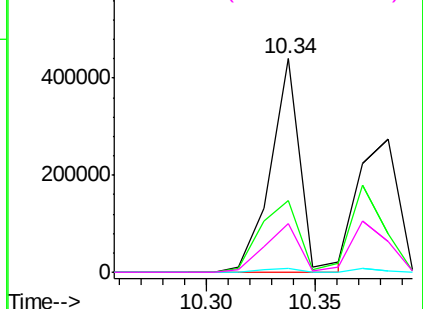
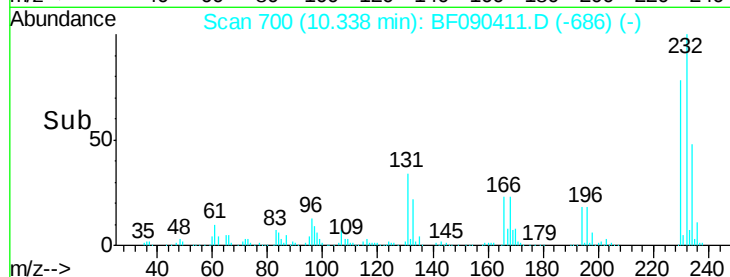
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 69.82 ng
 RT: 10.34 min Scan# 700
 Delta R.T. -0.03 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion:232 Resp: 421482
 Ion Ratio Lower Upper
 232 100
 131 43.6 34.5 51.7
 130 2.3 1.6 2.4
 166 26.1 23.8 35.8

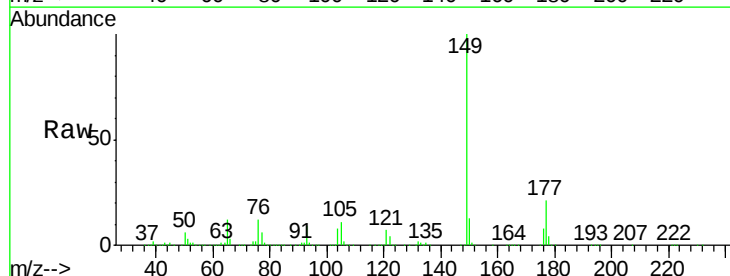


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

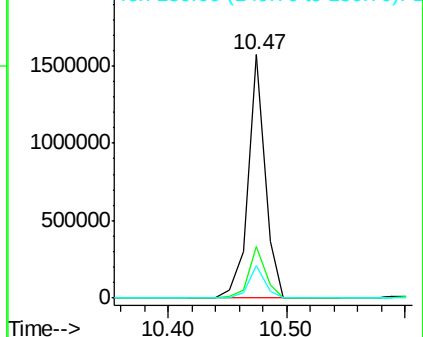
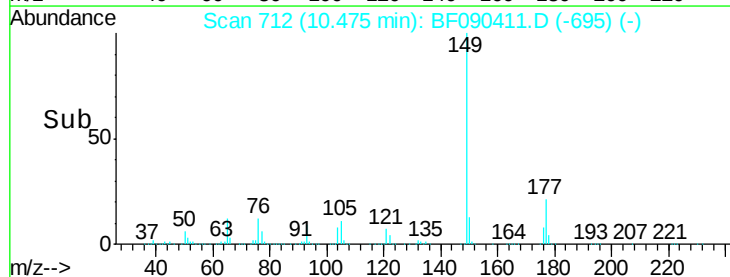


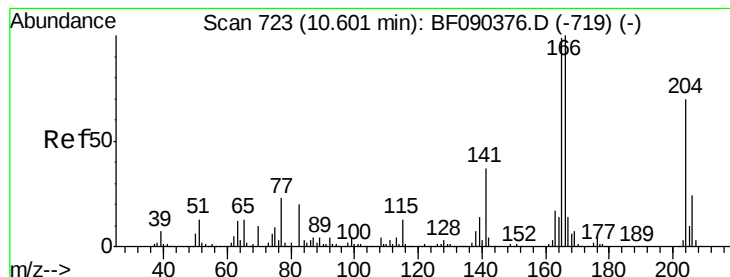
#59
 Diethylphthalate
 Concen: 50.38 ng
 RT: 10.47 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:149 Resp: 1568624
 Ion Ratio Lower Upper
 149 100
 177 21.2 21.1 31.7
 150 13.2 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: 58.68 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

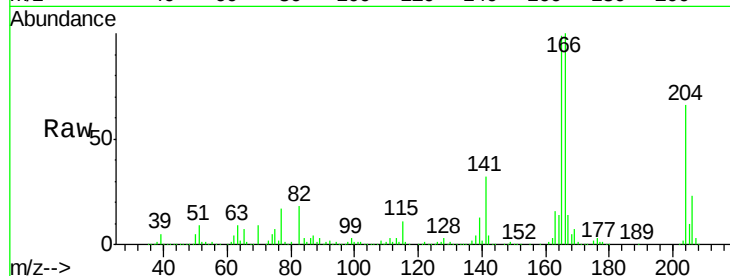
Tgt Ion:204 Resp: 768231

Ion Ratio Lower Upper

204 100

206 34.5 26.7 40.1

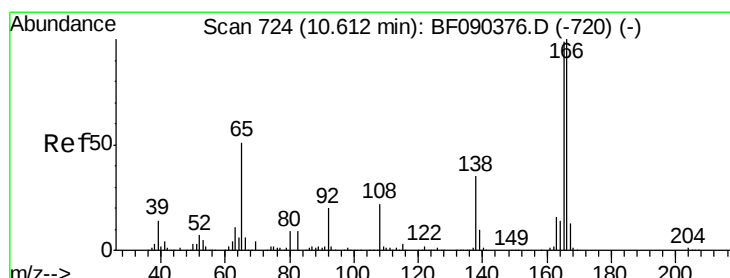
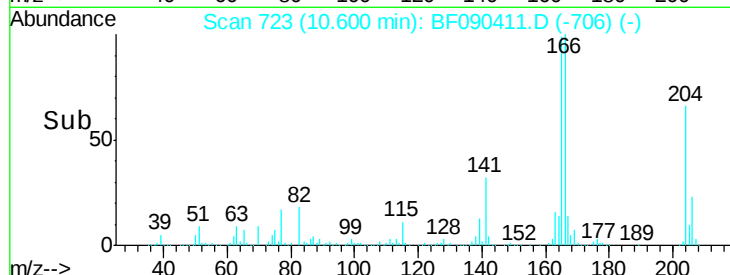
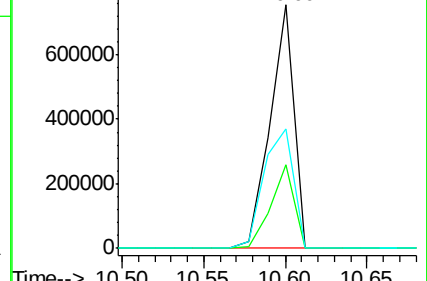
141 48.9 51.7 77.5#



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: 34.62 ng

RT: 10.61 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

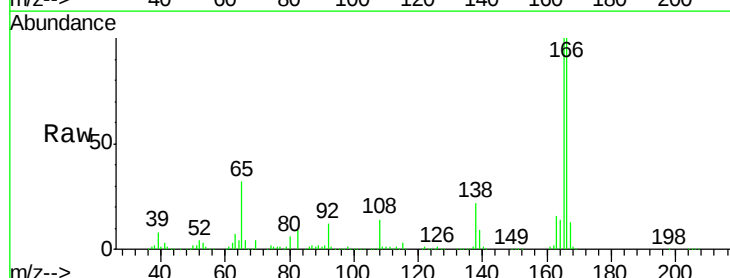
Tgt Ion:138 Resp: 272294

Ion Ratio Lower Upper

138 100

92 56.6 33.2 73.2

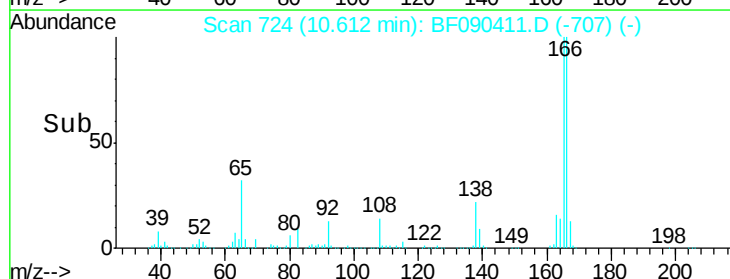
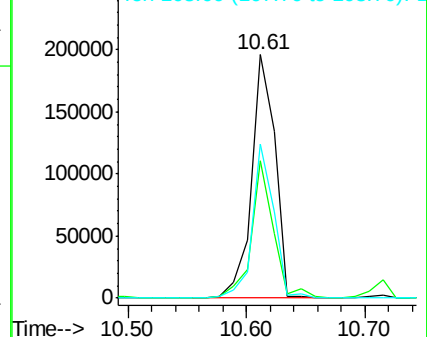
108 63.4 48.5 88.5

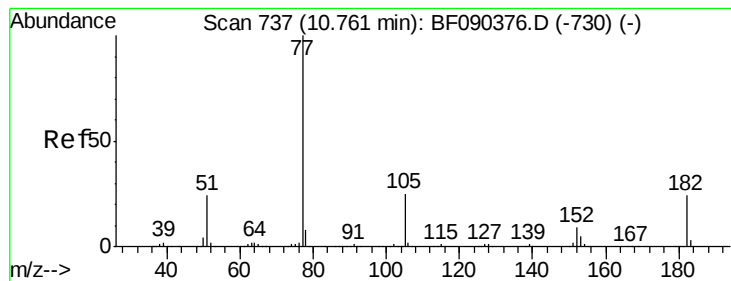


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 58.24 ng

RT: 10.76 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

Tgt Ion: 77 Resp: 2094794

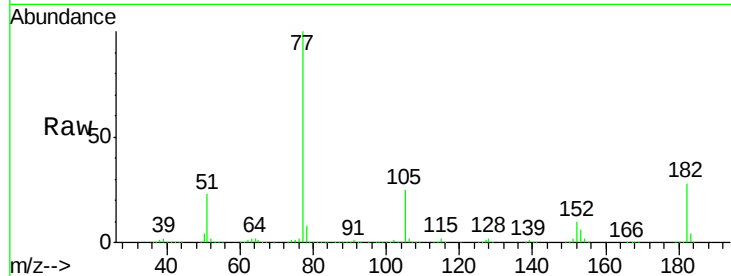
Ion Ratio Lower Upper

77 100

182 27.6 3.2 43.2

105 25.3 2.9 42.9

51 22.8 14.2 54.2

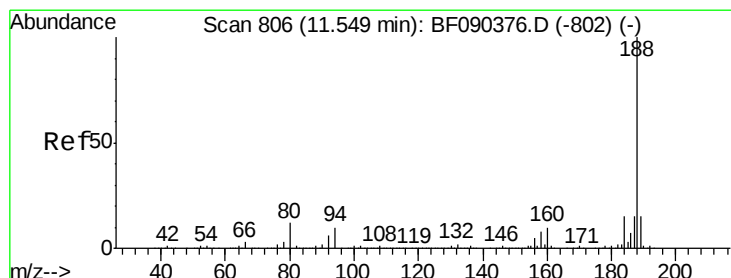
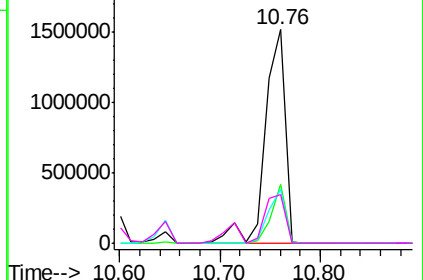
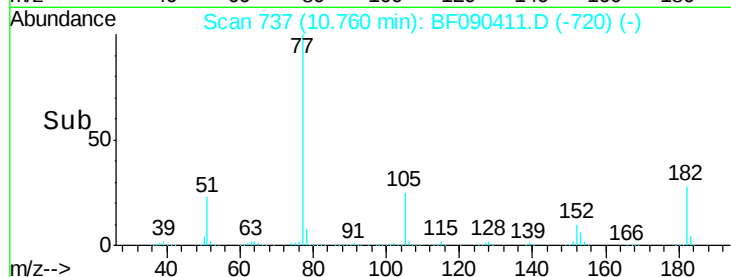


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.55 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

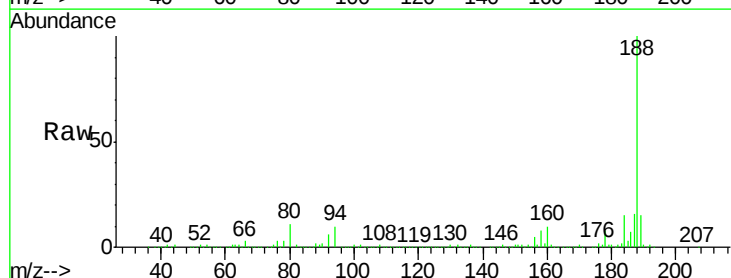
Tgt Ion: 188 Resp: 770421

Ion Ratio Lower Upper

188 100

94 10.0 8.2 12.2

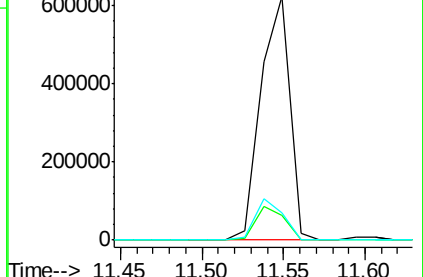
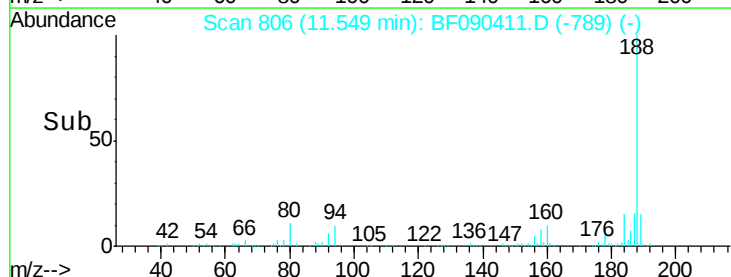
80 11.0 8.8 13.2

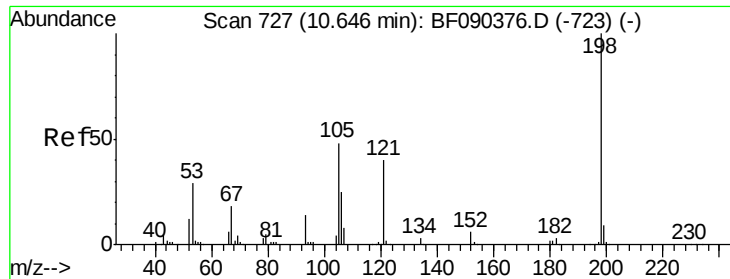


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

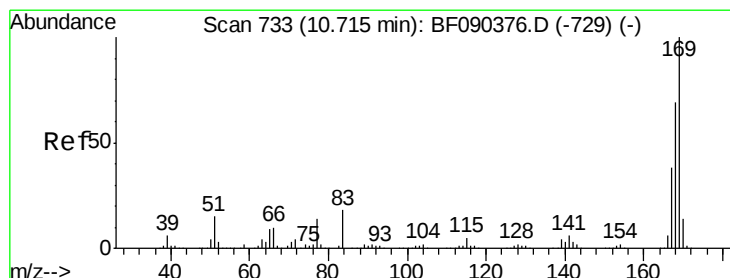
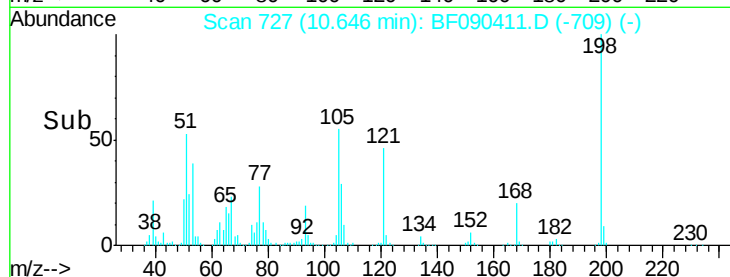
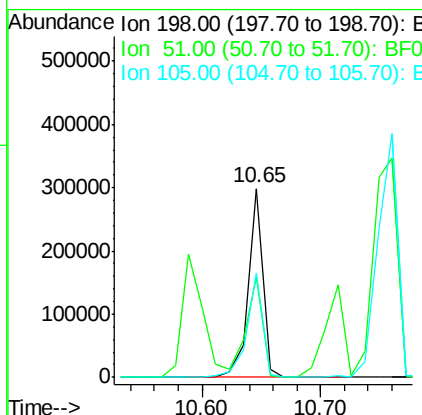
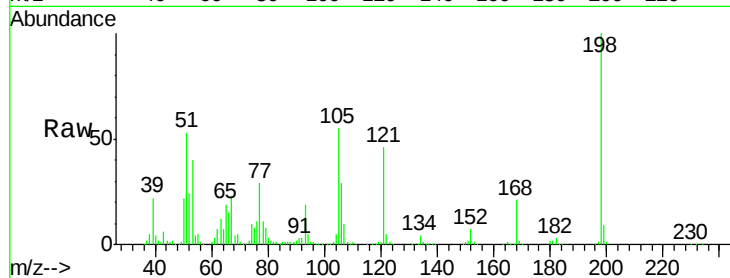




#64
 4,6-Dinitro-2-methylphenol
 Concen: 49.28 ng
 RT: 10.65 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

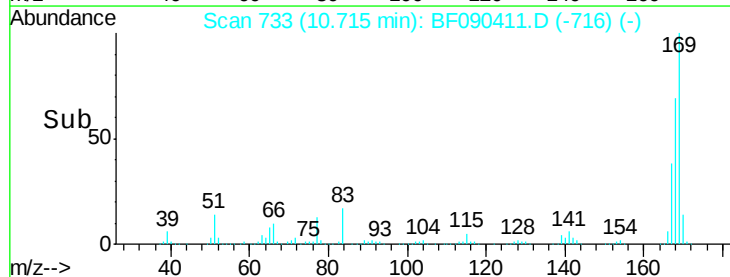
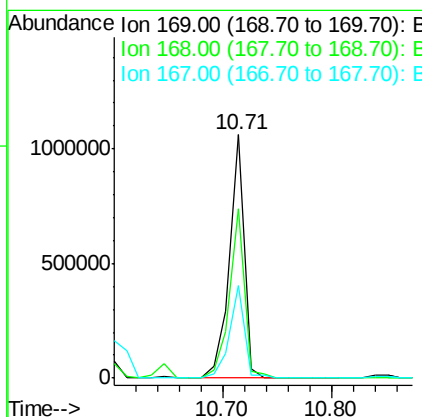
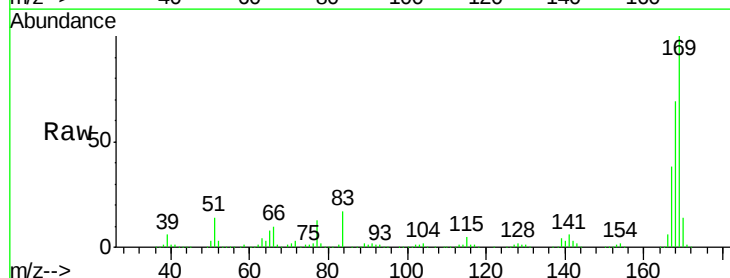
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

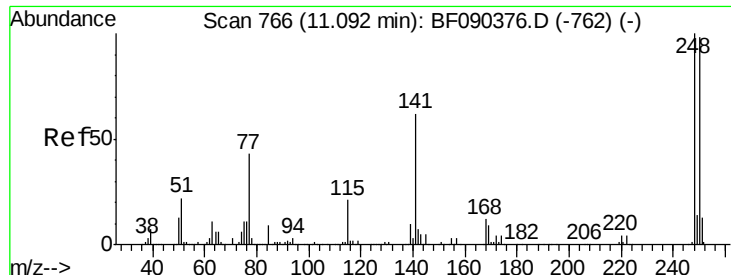
Tgt Ion:198 Resp: 257169
 Ion Ratio Lower Upper
 198 100
 51 53.2 67.3 107.3#
 105 54.7 42.6 82.6



#65
 n-Nitrosodiphenylamine
 Concen: 38.59 ng
 RT: 10.71 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:169 Resp: 996167
 Ion Ratio Lower Upper
 169 100
 168 69.4 53.8 80.6
 167 38.2 29.8 44.8

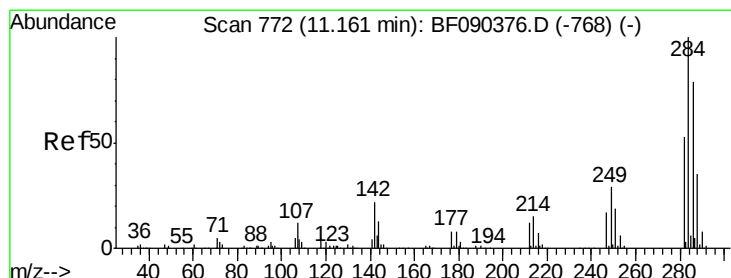
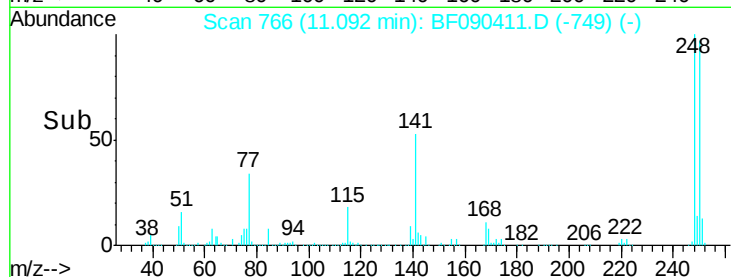
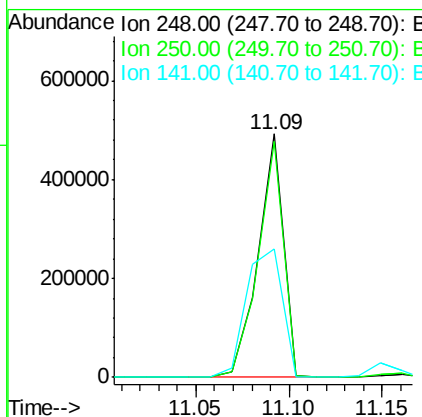
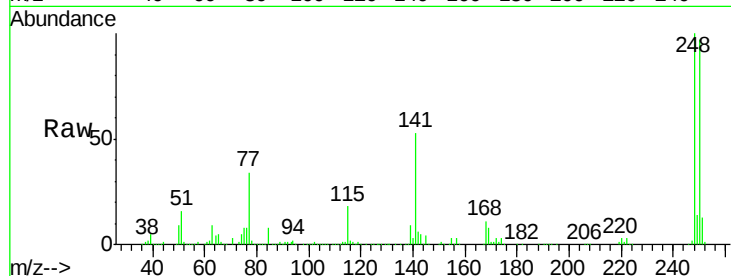




#66
 4-Bromophenyl-phenylether
 Concen: 60.76 ng
 RT: 11.09 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

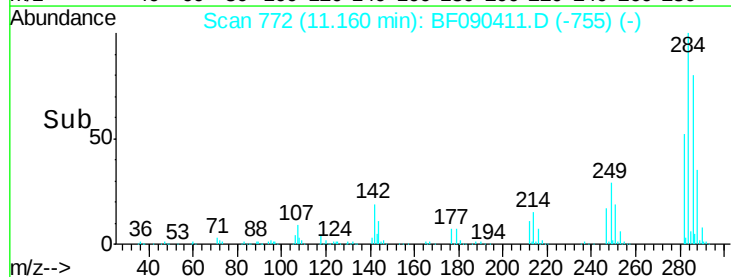
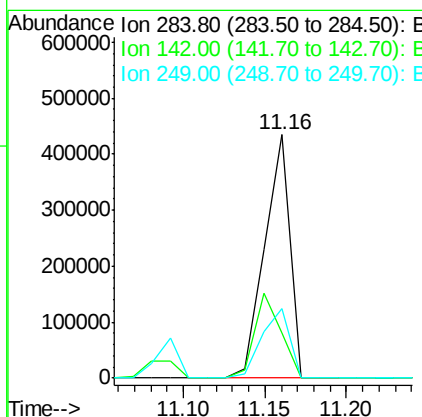
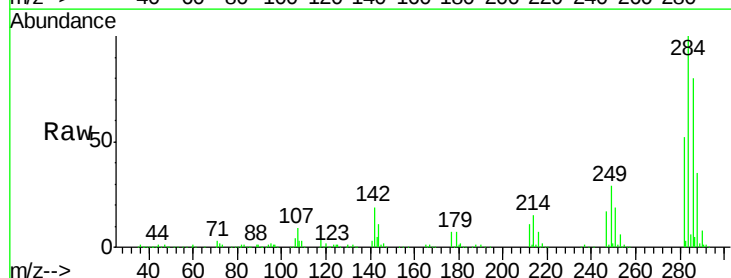
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

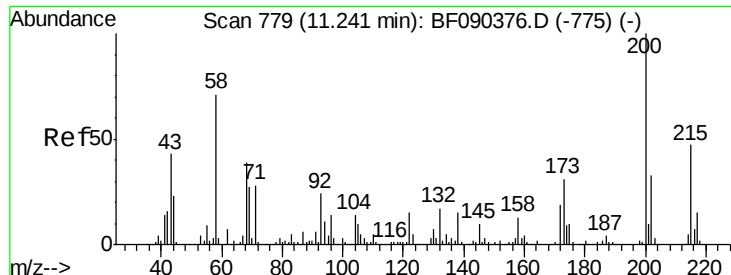
Tgt Ion:248 Resp: 458880
 Ion Ratio Lower Upper
 248 100
 250 97.1 76.5 114.7
 141 52.7 59.8 89.6#



#67
 Hexachlorobenzene
 Concen: 55.81 ng
 RT: 11.16 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:284 Resp: 469412
 Ion Ratio Lower Upper
 284 100
 142 18.6 23.1 34.7#
 249 28.6 26.3 39.5

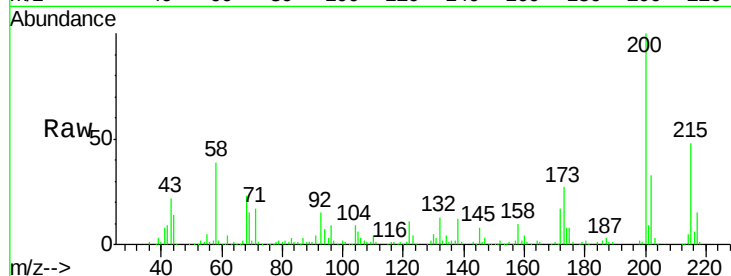




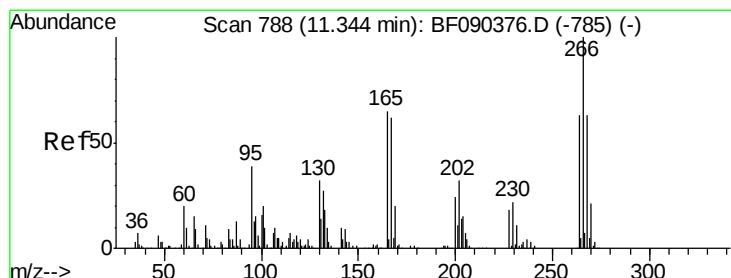
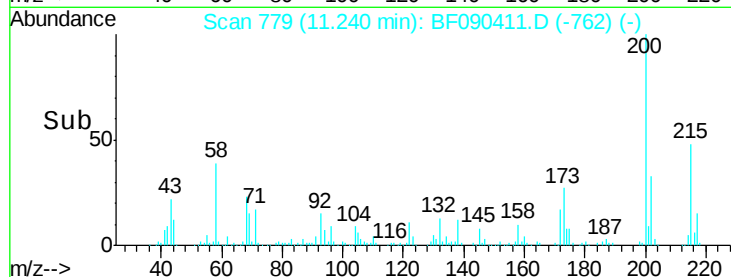
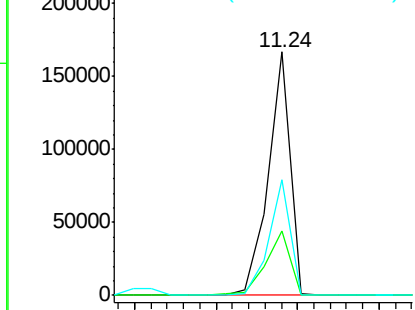
#68
Atrazine
Concen: 24.50 ng
RT: 11.24 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:200 Resp: 155963
Ion Ratio Lower Upper
200 100
173 26.7 9.0 49.0
215 47.6 24.8 64.8

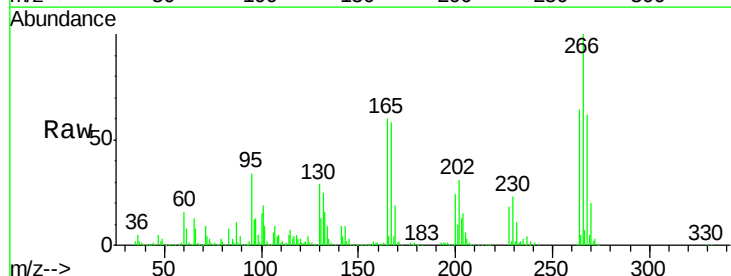


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

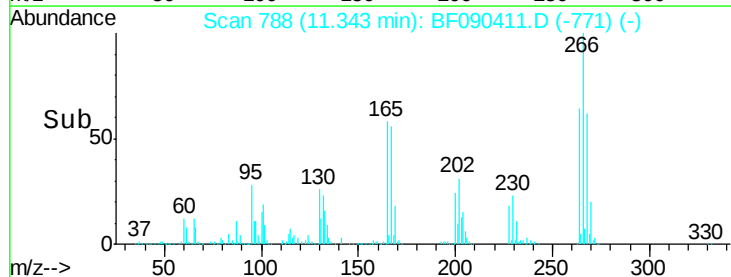
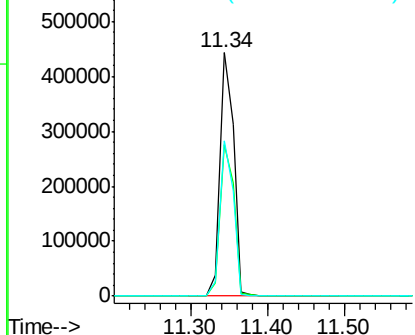


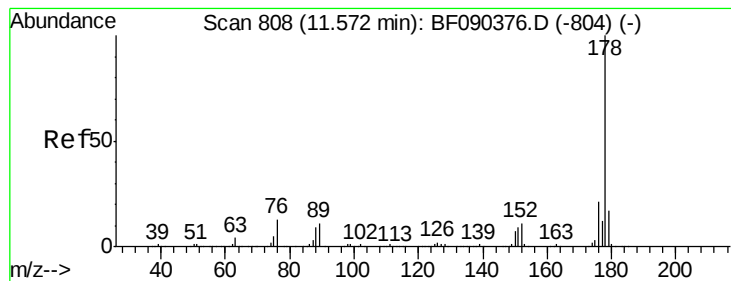
#69
Pentachlorophenol
Concen: 111.64 ng
RT: 11.34 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:266 Resp: 558904
Ion Ratio Lower Upper
266 100
268 62.2 50.9 76.3
264 63.6 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: 56.33 ng

RT: 11.57 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

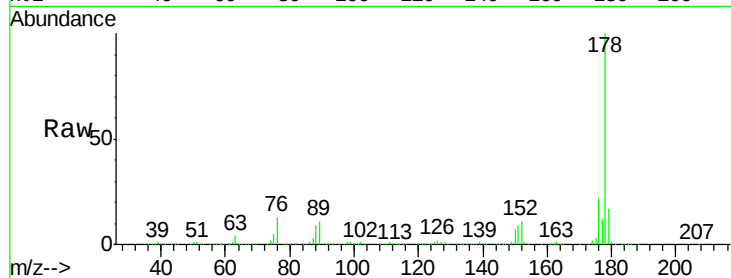
Tgt Ion:178 Resp: 2222038

Ion Ratio Lower Upper

178 100

176 21.5 17.3 25.9

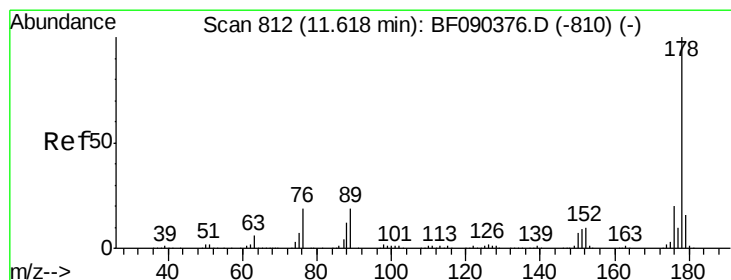
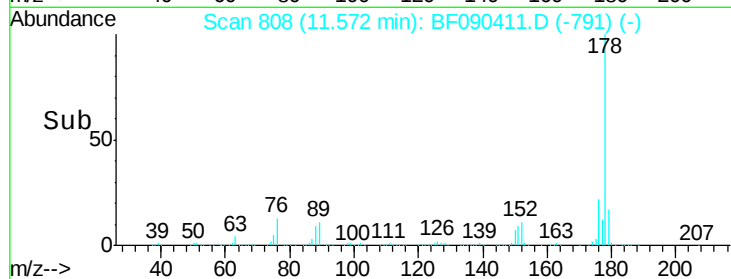
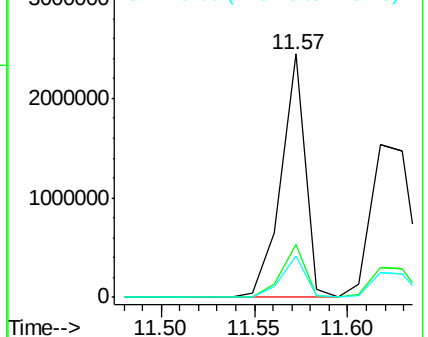
179 16.8 13.8 20.6



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: 53.72 ng

RT: 11.62 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

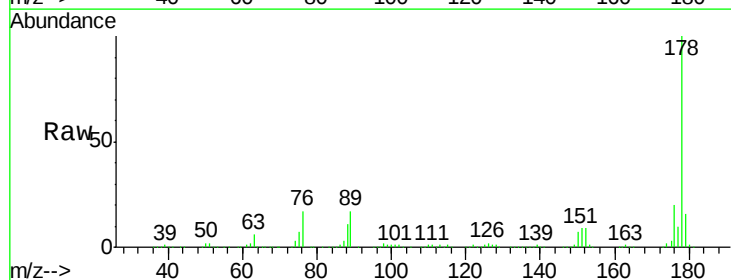
Tgt Ion:178 Resp: 2164107

Ion Ratio Lower Upper

178 100

176 19.8 16.8 25.2

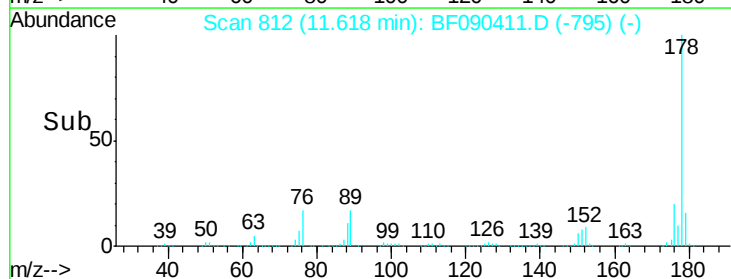
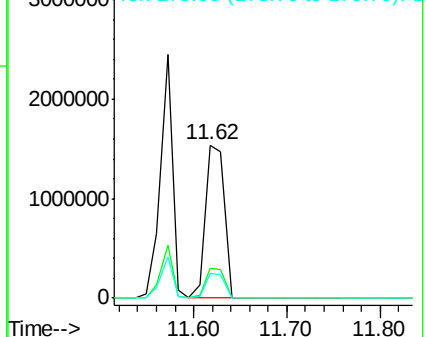
179 16.4 13.4 20.2

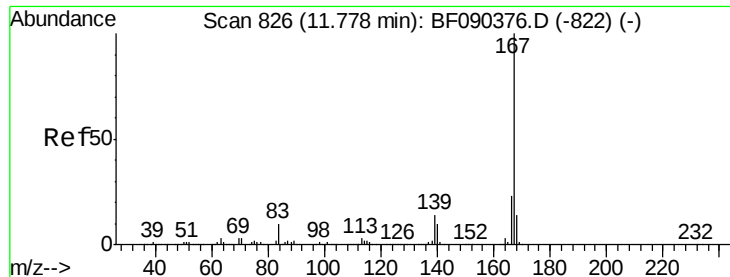


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

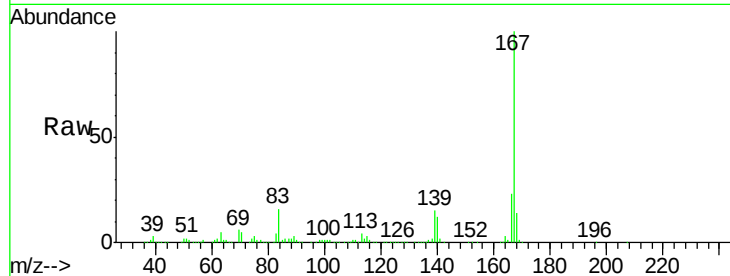




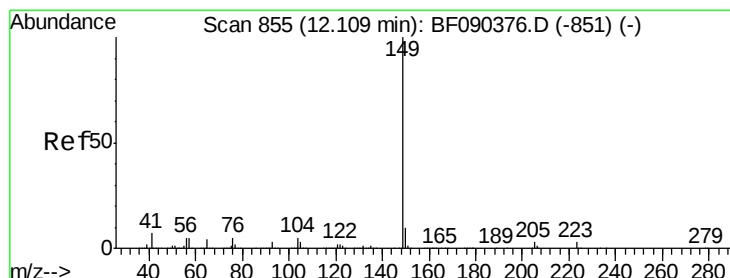
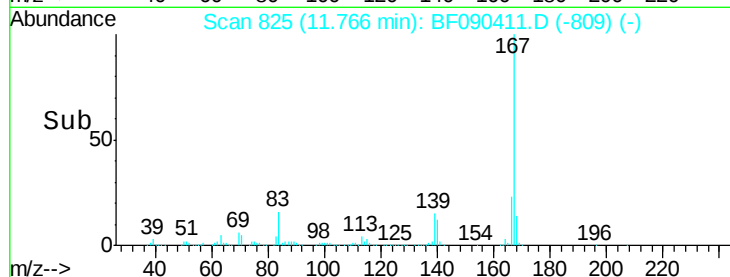
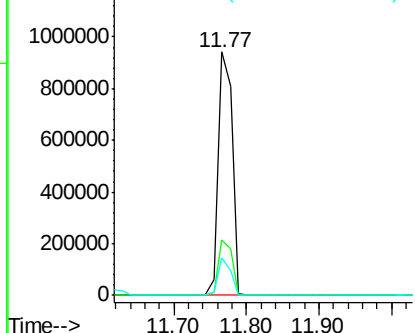
#72
 Carbazole
 Concen: 33.60 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion:167 Resp: 1257557
 Ion Ratio Lower Upper
 167 100
 166 22.6 19.1 28.7
 139 15.3 12.1 18.1

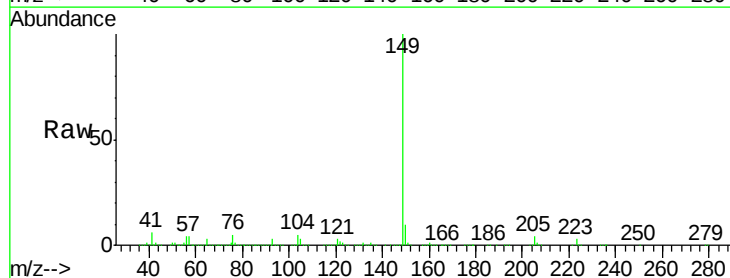


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

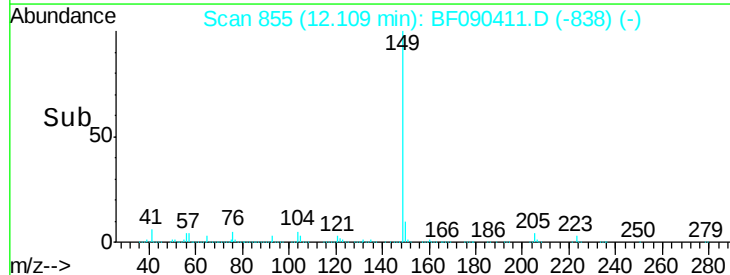
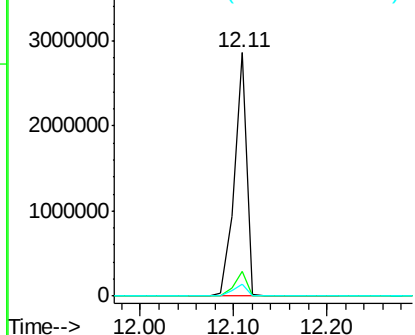


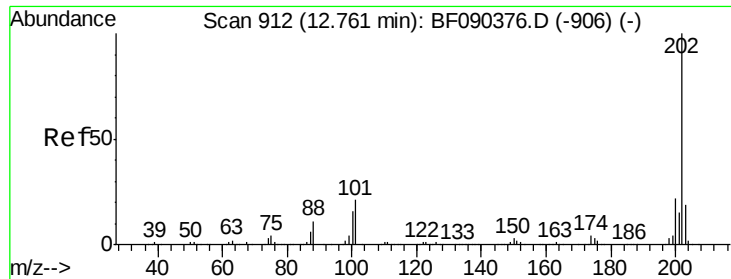
#73
 Di-n-butylphthalate
 Concen: 58.29 ng
 RT: 12.11 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:149 Resp: 2655317
 Ion Ratio Lower Upper
 149 100
 150 10.3 8.6 12.8
 104 5.0 4.7 7.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

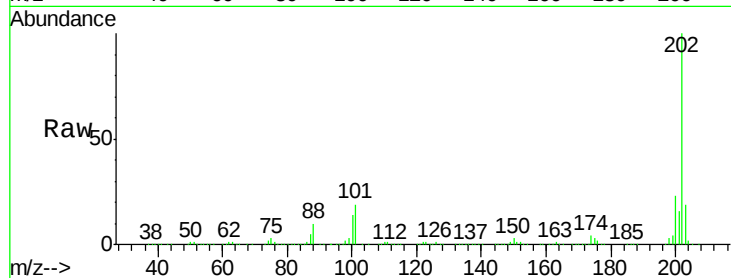




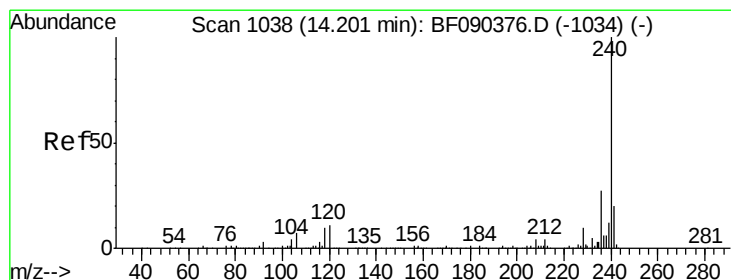
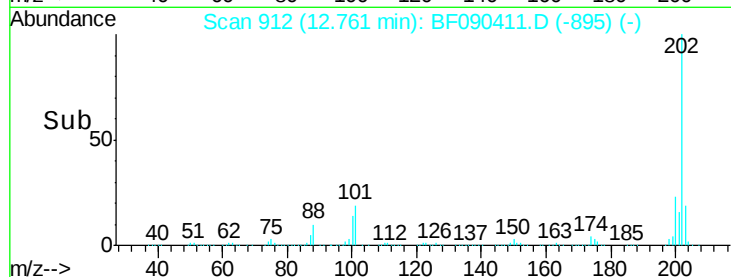
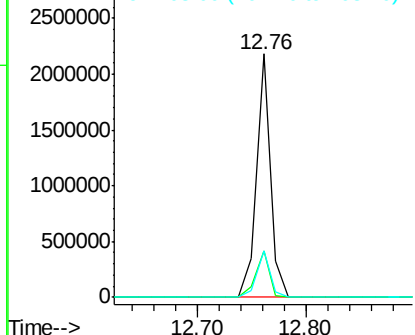
#74
 Fluoranthene
 Concen: 51.00 ng
 RT: 12.76 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion:202 Resp: 1973634
 Ion Ratio Lower Upper
 202 100
 101 18.9 0.0 37.2
 203 19.3 0.0 39.3

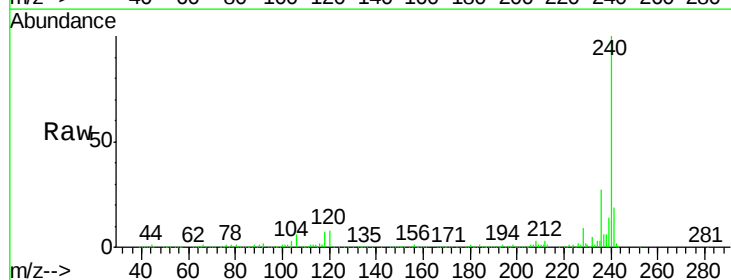


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

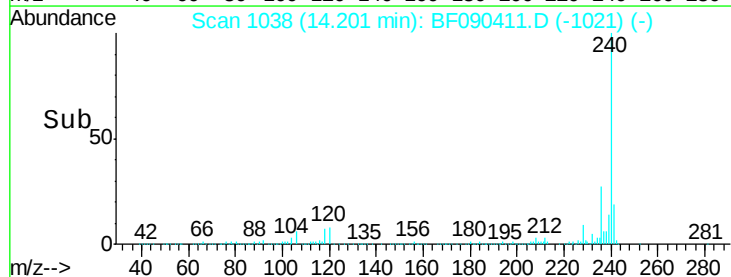
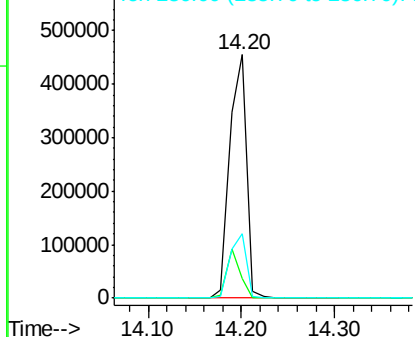


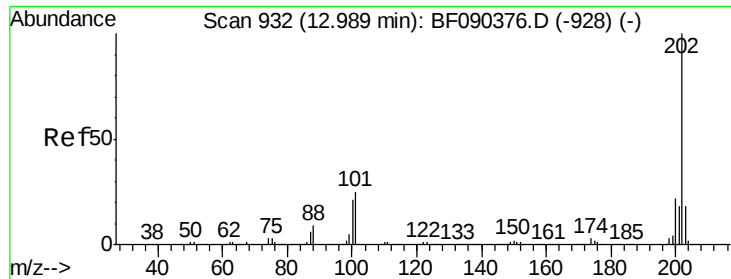
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.20 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:240 Resp: 573339
 Ion Ratio Lower Upper
 240 100
 120 8.0 8.6 13.0#
 236 26.6 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

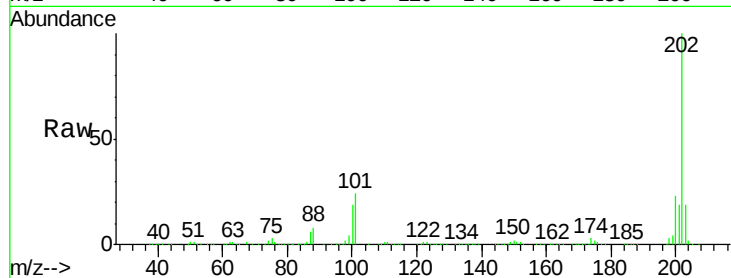




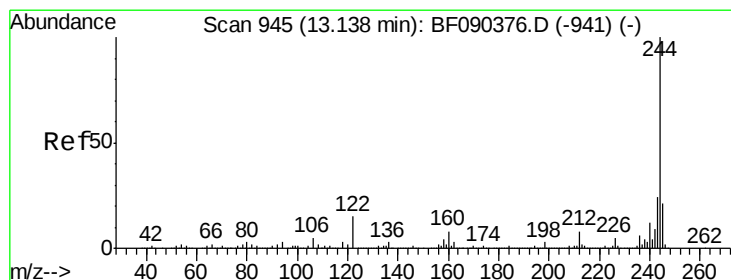
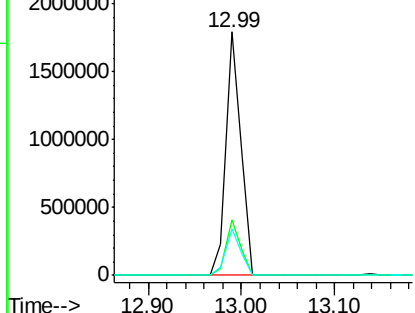
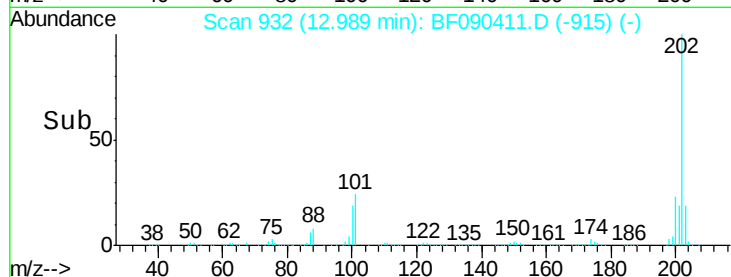
#77
 Pyrene
 Concen: 52.37 ng
 RT: 12.99 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

Tgt Ion: 202 Resp: 2002195
 Ion Ratio Lower Upper
 202 100
 200 22.9 18.5 27.7
 203 18.8 15.0 22.6

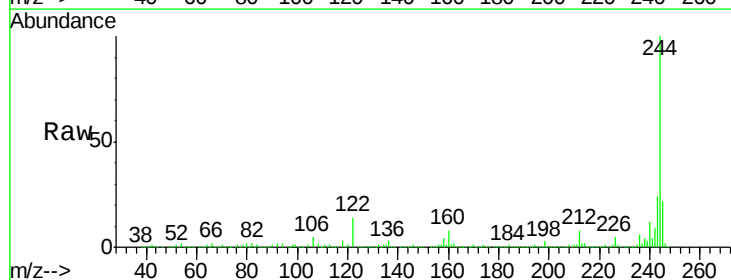


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

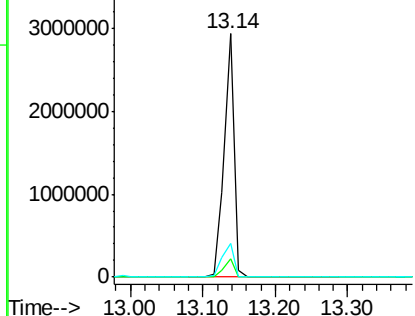
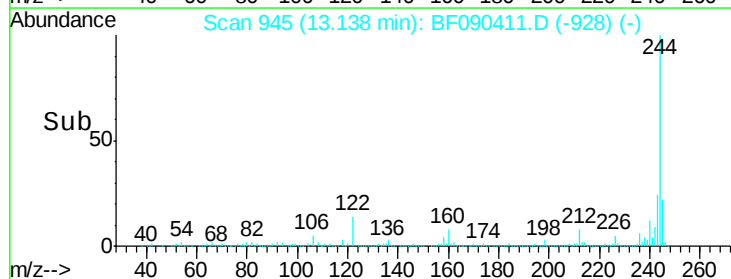


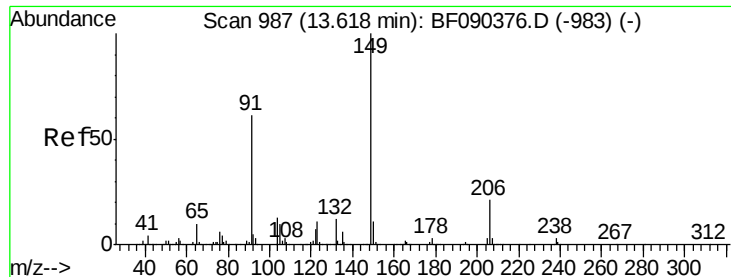
#78
 Terphenyl-d14
 Concen: 110.15 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion: 244 Resp: 2808988
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.8 10.2
 122 14.0 13.3 19.9



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

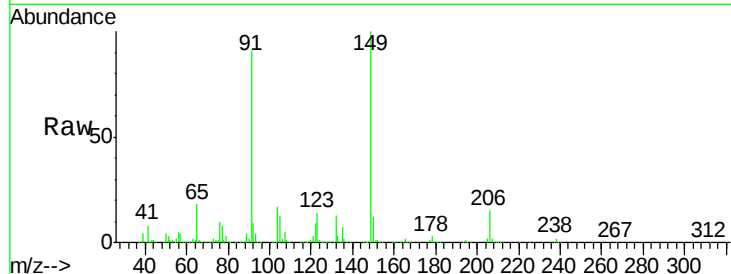




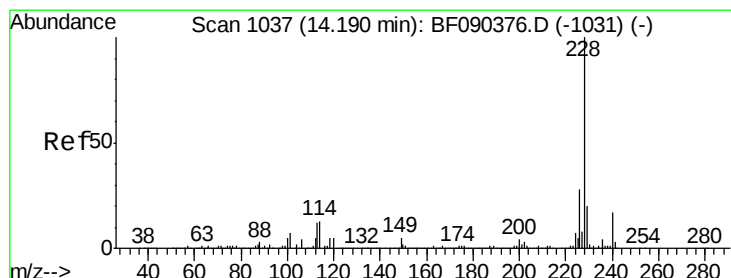
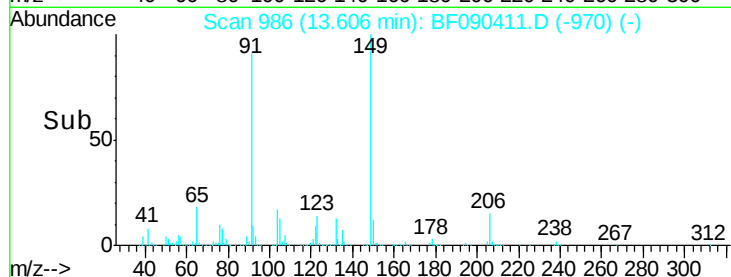
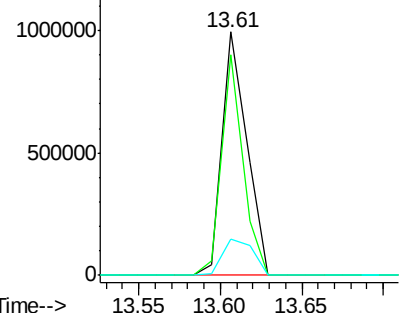
#79
Butylbenzylphthalate
Concen: 52.58 ng
RT: 13.61 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

Tgt Ion:149 Resp: 1031384
Ion Ratio Lower Upper
149 100
91 90.6 51.8 77.8#
206 14.6 18.0 27.0#

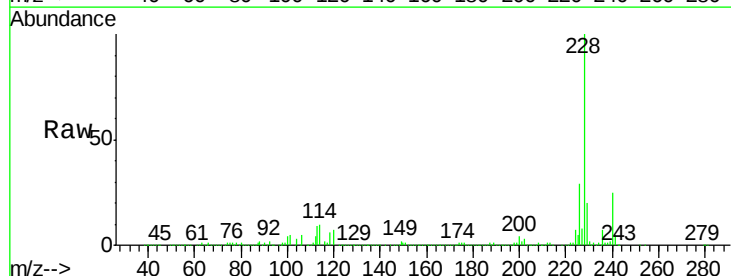


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

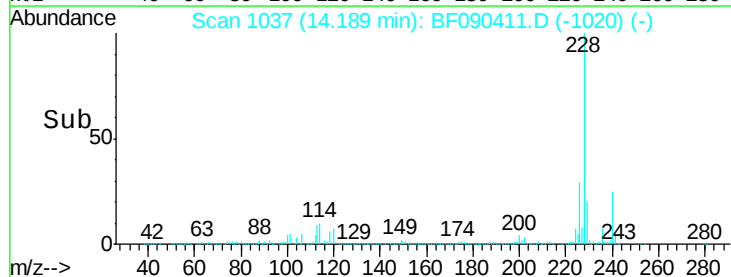
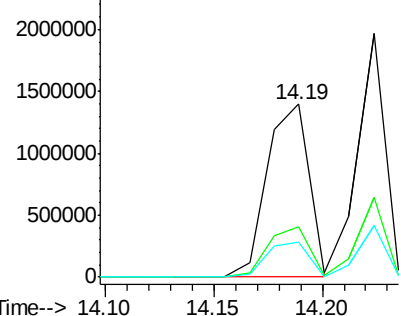


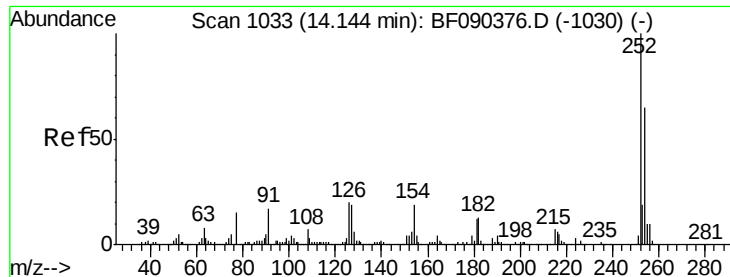
#80
Benzo(a)anthracene
Concen: 58.65 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:228 Resp: 1886800
Ion Ratio Lower Upper
228 100
226 28.8 23.6 35.4
229 20.4 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

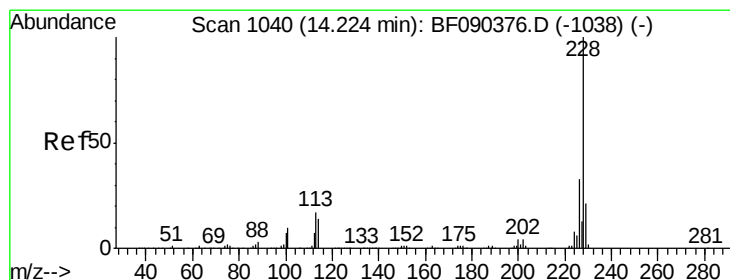
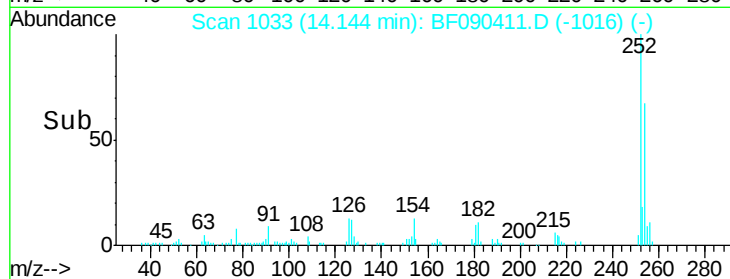
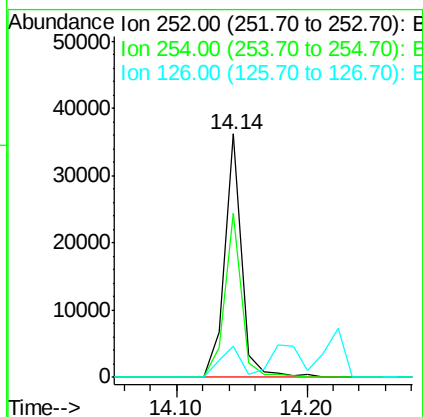
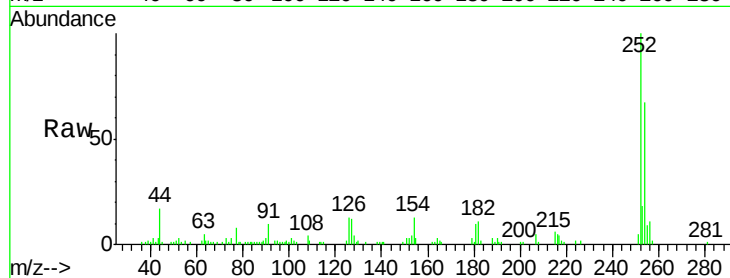




#81
 3,3'-Dichlorobenzidine
 Concen: 2.85 ng
 RT: 14.14 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

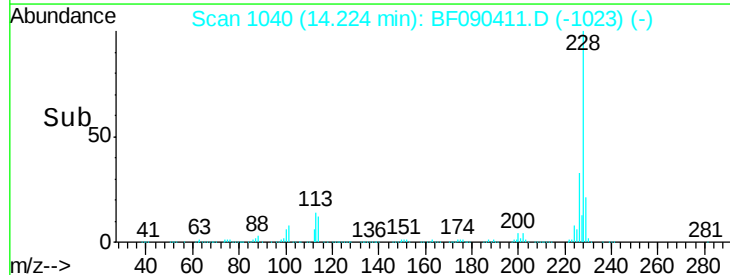
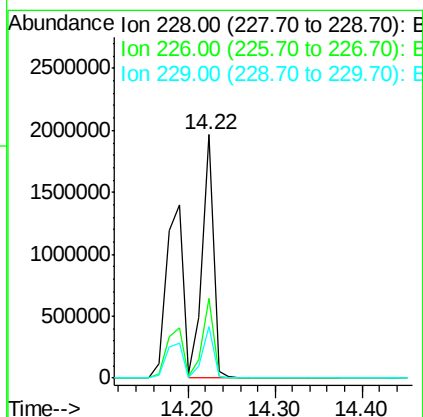
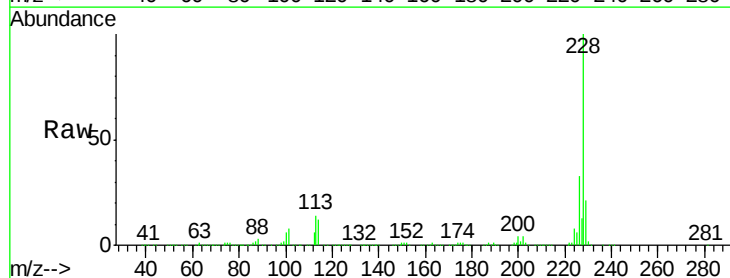
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

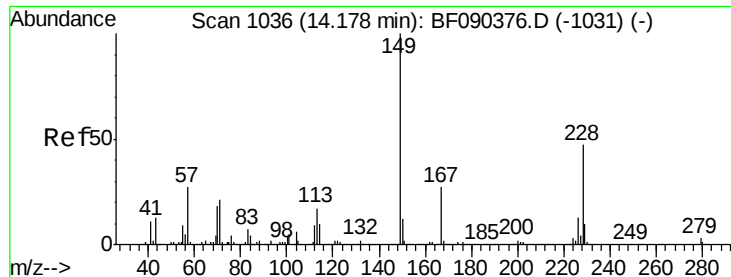
Tgt Ion: 252 Resp: 33294
 Ion Ratio Lower Upper
 252 100
 254 67.5 52.1 78.1
 126 12.6 4.2 6.4#



#82
 Chrysene
 Concen: 58.75 ng
 RT: 14.22 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion: 228 Resp: 1739394
 Ion Ratio Lower Upper
 228 100
 226 32.6 25.8 38.6
 229 21.3 16.9 25.3

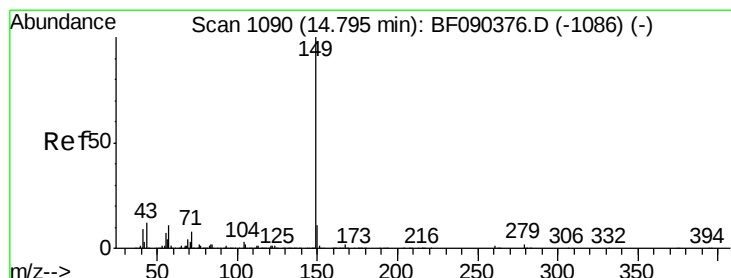
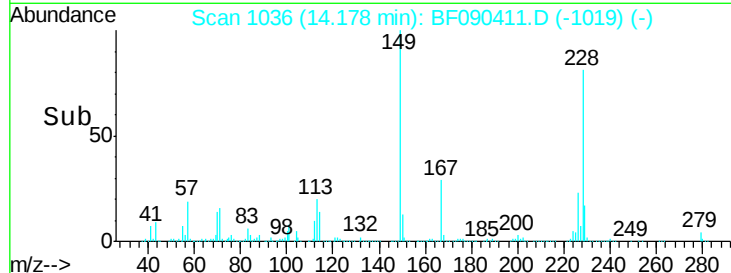
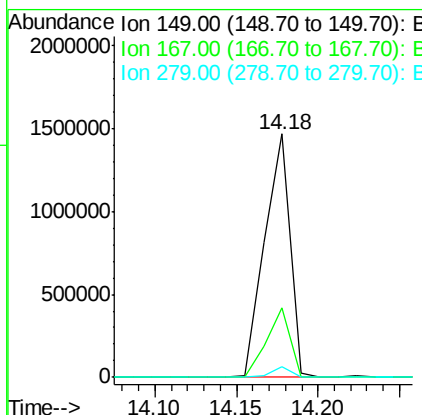
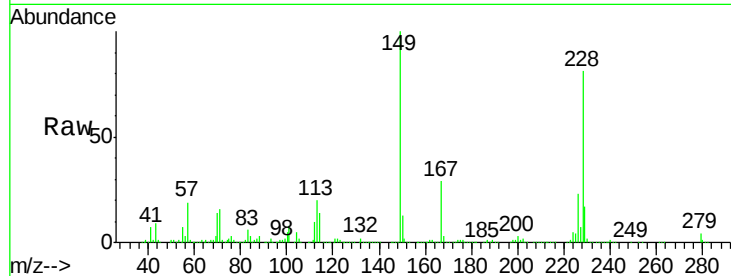




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 57.14 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

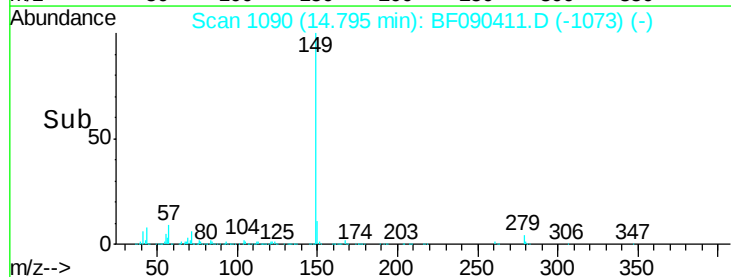
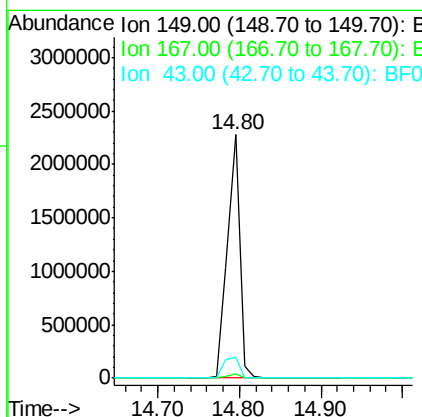
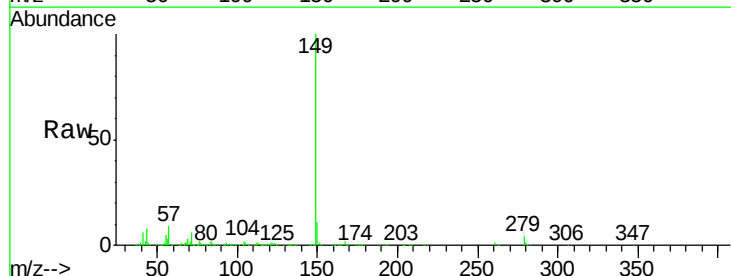
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

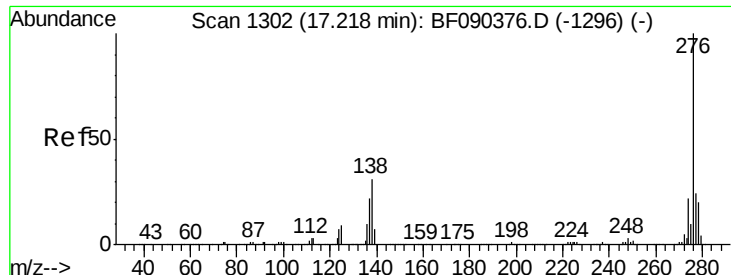
Tgt Ion:149 Resp: 1593147
 Ion Ratio Lower Upper
 149 100
 167 28.6 21.5 32.3
 279 4.3 2.6 3.8#



#84
 Di-n-octyl phthalate
 Concen: 57.49 ng
 RT: 14.80 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:149 Resp: 2376554
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 10.9 11.8 17.8#

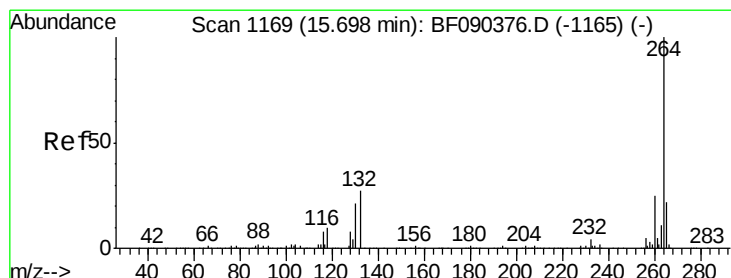
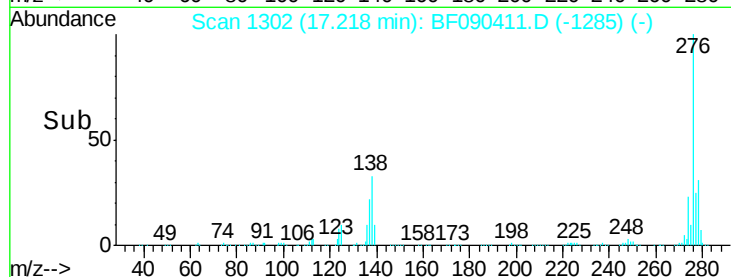
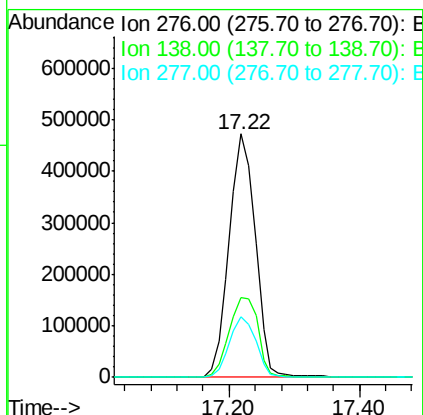
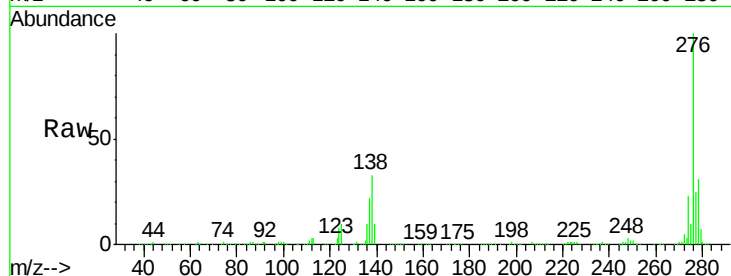




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 62.59 ng
 RT: 17.22 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

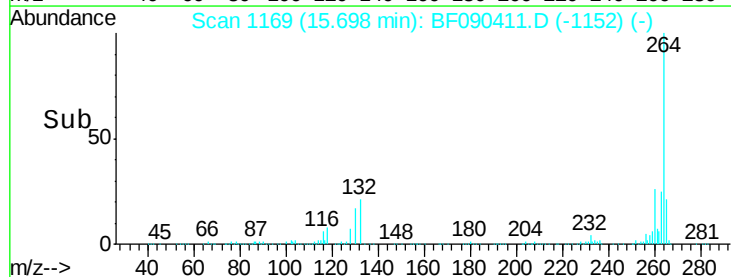
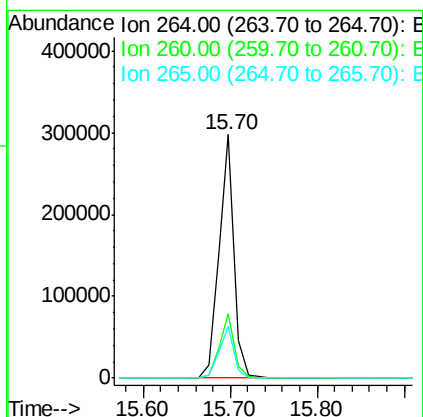
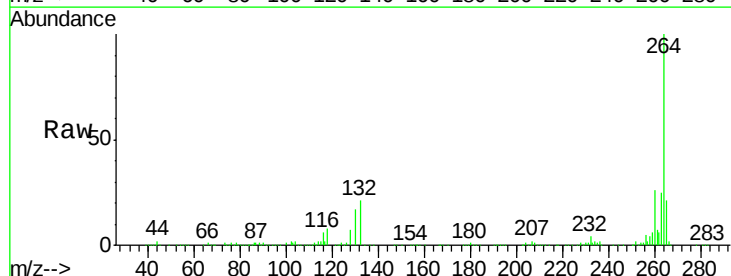
Instrument :
 BNA_F
 ClientSampleId :
 CHA-STA-1698-D(0-2)MS

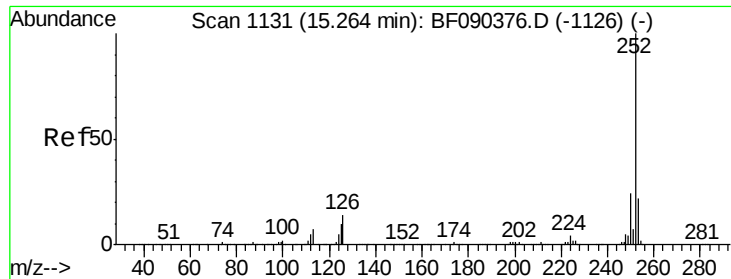
Tgt Ion:276 Resp: 1321050
 Ion Ratio Lower Upper
 276 100
 138 36.1 23.8 35.8#
 277 25.2 20.4 30.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.70 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF090411.D
 Acq: 6 Oct 2016 5:44

Tgt Ion:264 Resp: 361441
 Ion Ratio Lower Upper
 264 100
 260 26.4 19.3 28.9
 265 21.4 17.4 26.0

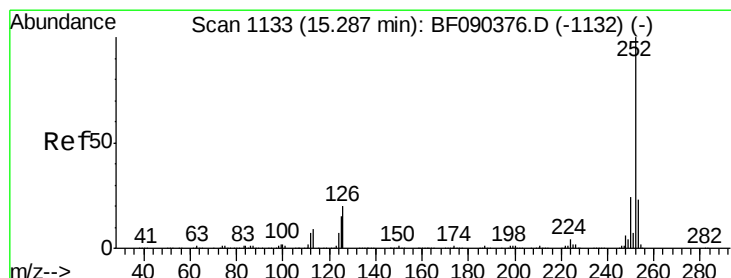
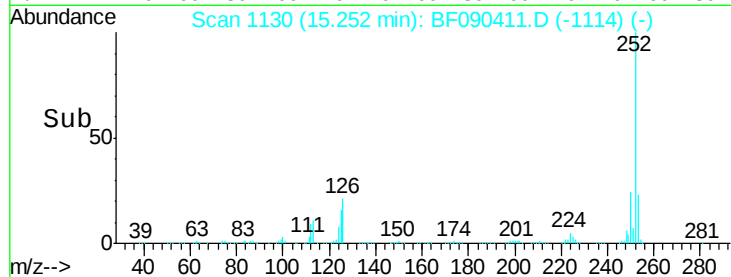
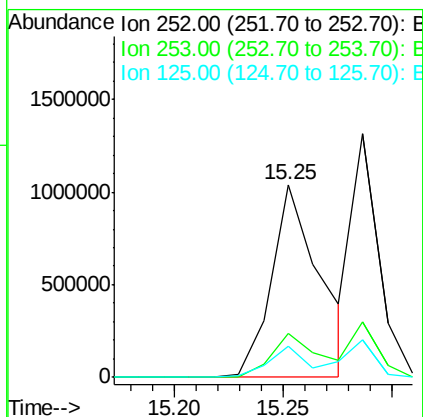
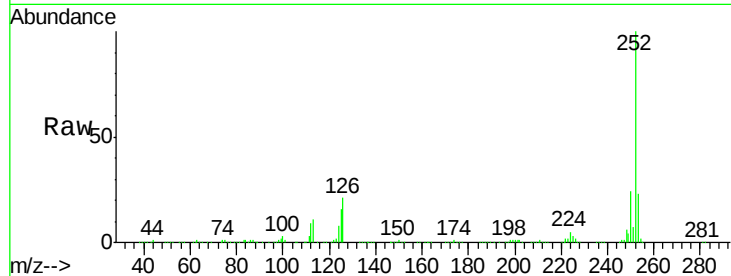




#87
Benzo(b)fluoranthene
Concen: 70.59 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

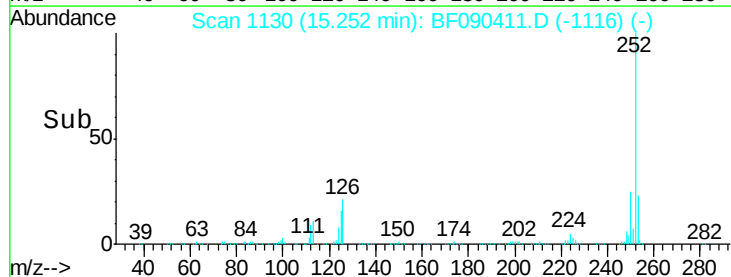
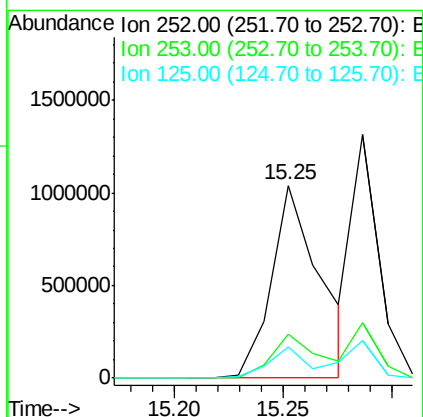
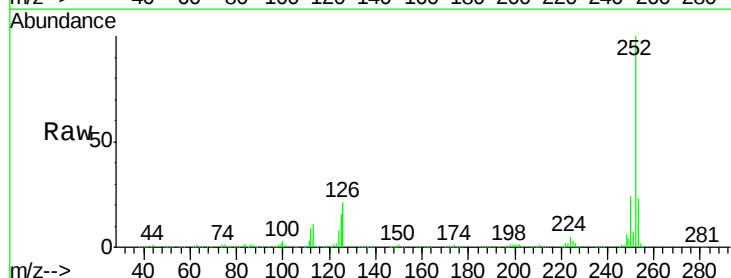
Instrument :
BNA_F
ClientSampleId :
CHA-STA-1698-D(0-2)MS

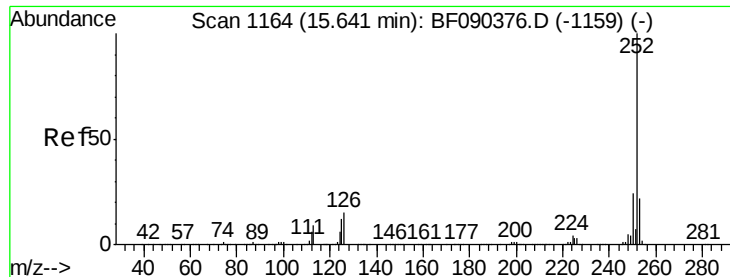
Tgt Ion:252 Resp: 1625151
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 16.2 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 75.15 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF090411.D
Acq: 6 Oct 2016 5:44

Tgt Ion:252 Resp: 1625151
Ion Ratio Lower Upper
252 100
253 23.0 18.6 27.8
125 16.2 11.7 17.5





#89

Benzo(a)pyrene

Concen: 63.52 ng

RT: 15.63 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS

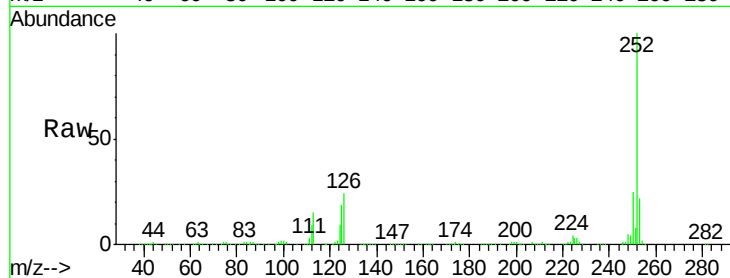
Tgt Ion:252 Resp: 1260480

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

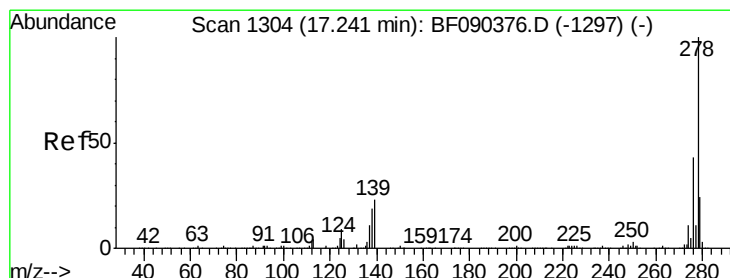
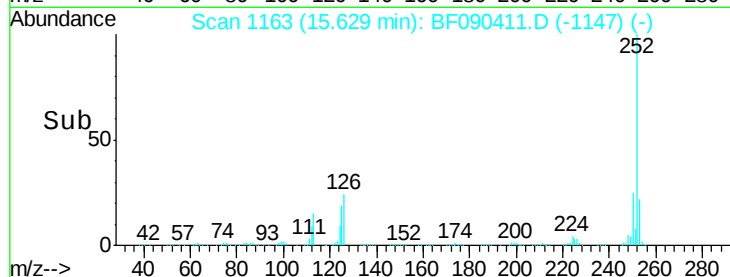
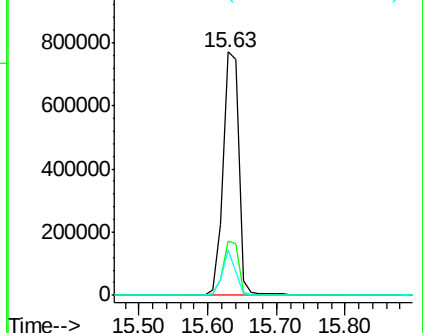
125 18.7 9.8 14.8#



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: 68.36 ng

RT: 17.24 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF090411.D

Acq: 6 Oct 2016 5:44

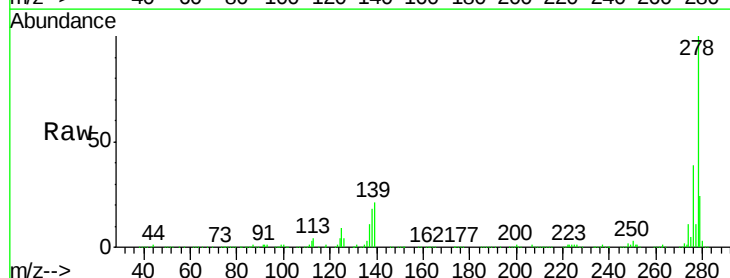
Tgt Ion:278 Resp: 1154174

Ion Ratio Lower Upper

278 100

139 21.4 12.8 19.2#

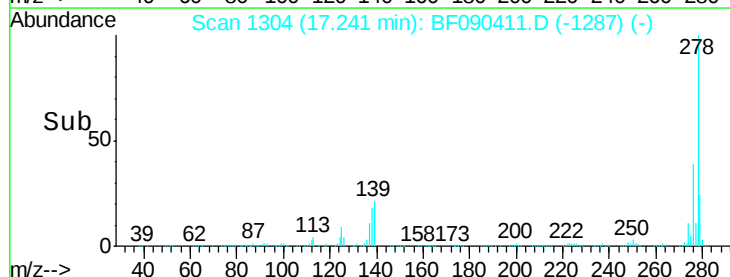
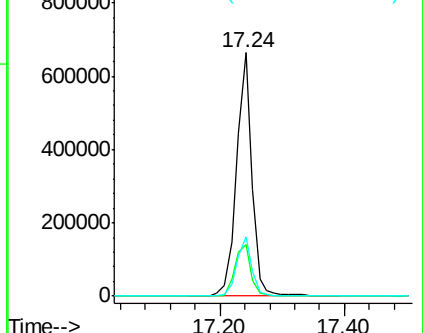
279 24.5 19.6 29.4

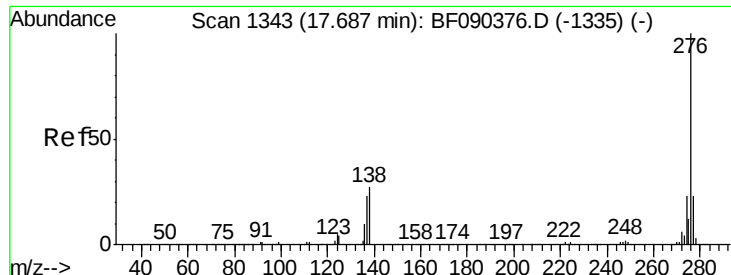


Abundance Ion 278.00 (277.70 to 278.70): E

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: 63.94 ng

RT: 17.69 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BF090411.D

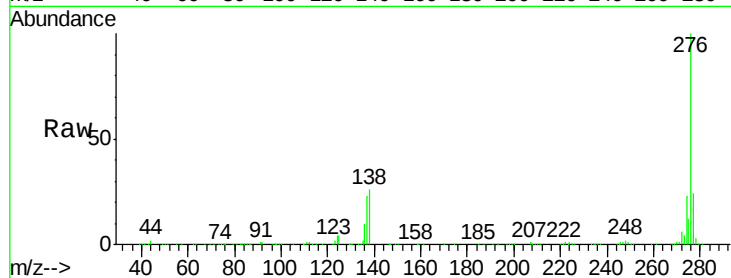
Acq: 6 Oct 2016 5:44

Instrument :

BNA_F

ClientSampleId :

CHA-STA-1698-D(0-2)MS



Tgt Ion: 276 Resp: 1035899

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 26.2 20.8 31.2

