

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087178.D
 Acq On : 19 May 2016 8:41
 Operator : UM/SJ
 Sample : H3120-04MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Quant Time: May 19 12:42:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	131097	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	526463	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	241148	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	413083	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	258995	20.00	ng	-0.05
86) Perylene-d12	15.06	264	309180	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	402254	51.57	ng	-0.03
7) Phenol-d6	6.25	99	352294	33.68	ng	-0.03
23) Nitrobenzene-d5	7.15	82	857402	81.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	391744	147.01	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1350442	92.75	ng	-0.03
78) Terphenyl-d14	12.67	244	1143739	99.90	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	39160	9.76	ng	# 71
3) Pyridine	2.68	79	89694	9.24	ng	# 60
4) n-Nitrosodimethylamine	2.60	42	95850	13.94	ng	# 50
6) Aniline	6.24	93	326821	24.60	ng	98
8) 2-Chlorophenol	6.36	128	290262	30.59	ng	83
9) Benzaldehyde	6.14	77	22207	2.88	ng	94
10) Phenol	6.26	94	153352	11.66	ng	# 68
11) bis(2-Chloroethyl)ether	6.32	93	320099	32.42	ng	# 83
12) 1,3-Dichlorobenzene	6.75	146	268986	26.67	ng	99
13) 1,4-Dichlorobenzene	6.51	146	293879	28.47	ng	94
14) 1,2-Dichlorobenzene	6.75	146	275387	30.48	ng	96
15) Benzyl Alcohol	6.74	79	227600	29.23	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	6.87	45	722569	35.60	ng	88
17) 2-Methylphenol	6.88	107	208305	26.73	ng	# 75
18) Hexachloroethane	7.08	117	109473	27.74	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	357376	44.94	ng	# 75
20) 3+4-Methylphenols	7.03	107	276816	26.93	ng	# 62
22) Acetophenone	7.00	105	564598	43.82	ng	97
24) Nitrobenzene	7.18	77	467035	40.49	ng	97
25) Isophorone	7.42	82	847730	43.84	ng	98
26) 2-Nitrophenol	7.50	139	197936	41.43	ng	# 93
27) 2,4-Dimethylphenol	7.55	122	329572	40.42	ng	89
28) bis(2-Chloroethoxy)methane	7.63	93	486656	45.84	ng	# 98
29) 2,4-Dichlorophenol	7.75	162	315937	43.97	ng	98
30) 1,2,4-Trichlorobenzene	7.82	180	299976	37.62	ng	99
31) Naphthalene	7.88	128	998752	38.83	ng	99
32) Benzoic acid	7.68	122	49716	10.23	ng	# 79
33) 4-Chloroaniline	7.95	127	387514	36.25	ng	# 88
34) Hexachlorobutadiene	8.01	225	160636	35.50	ng	100
35) Caprolactam	8.35	113	17622	7.37	ng	# 47
36) 4-Chloro-3-methylphenol	8.46	107	358185	41.33	ng	98
37) 2-Methylnaphthalene	8.58	142	771092	46.86	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	316852	44.99	ng	99
40) Hexachlorocyclopentadiene	8.73	237	99601	40.88	ng	94

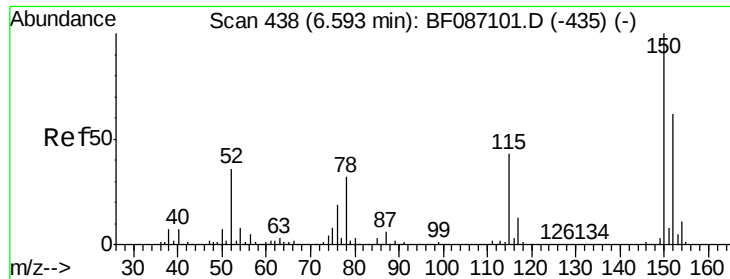
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087178.D
 Acq On : 19 May 2016 8:41
 Operator : UM/SJ
 Sample : H3120-04MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Quant Time: May 19 12:42:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	208935	45.74	nq	96
43) 2,4,5-Trichlorophenol	8.92	196	237991	50.16	nq	# 88
45) 1,1'-Biphenyl	9.05	154	1015378	50.78	nq	99
46) 2-Chloronaphthalene	9.07	162	740323	48.23	nq	99
47) 2-Nitroaniline	9.18	65	287636	48.90	nq	# 71
48) Acenaphthylene	9.47	152	1097892	46.84	nq	98
49) Dimethylphthalate	9.36	163	955673	51.95	nq	100
50) 2,6-Dinitrotoluene	9.43	165	220658	55.24	nq	99
51) Acenaphthene	9.64	154	680077	46.44	nq	98
52) 3-Nitroaniline	9.60	138	168794	39.04	nq	92
53) 2,4-Dinitrophenol	9.71	184	123091	55.33	nq	# 88
54) Dibenzofuran	9.82	168	995959	52.59	nq	91
55) 4-Nitrophenol	9.82	139	500749	117.61	nq	# 21
56) 2,4-Dinitrotoluene	9.83	165	234934	45.92	nq	# 76
57) Fluorene	10.16	166	719067	47.26	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.95	232	204004	55.20	nq	98
59) Diethylphthalate	10.06	149	980718	55.84	nq	98
60) 4-Chlorophenyl-phenylether	10.16	204	372013	51.58	nq	93
61) 4-Nitroaniline	10.20	138	188900	44.25	nq	# 65
62) Azobenzene	10.32	77	1107674	54.74	nq	88
64) 4,6-Dinitro-2-methylphenol	10.24	198	98603	36.24	nq	# 60
65) n-Nitrosodiphenylamine	10.28	169	726713	55.90	nq	99
66) 4-Bromophenyl-phenylether	10.64	248	227607	53.58	nq	# 87
67) Hexachlorobenzene	10.71	284	254280	51.63	nq	# 80
68) Atrazine	10.82	200	224578	52.96	nq	95
69) Pentachlorophenol	10.91	266	221091	119.50	nq	98
70) Phenanthrene	11.12	178	1196275	53.40	nq	100
71) Anthracene	11.16	178	1067124	47.09	nq	99
72) Carbazole	11.34	167	1105963	53.43	nq	100
73) Di-n-butylphthalate	11.67	149	1373773	57.78	nq	# 99
74) Fluoranthene	12.30	202	1036907	46.19	nq	96
76) Benzidine	12.43	184	209022	25.68	nq	95
77) Pyrene	12.53	202	1068920	57.13	nq	99
79) Butylbenzylphthalate	13.15	149	500127	63.32	nq	# 84
80) Benzo(a)anthracene	13.70	228	781432	52.18	nq	99
81) 3,3'-Dichlorobenzidine	13.68	252	222254	23.32	nq	# 96
82) Chrysene	13.75	228	833613	57.53	nq	99
83) Bis(2-ethylhexyl)phthalate	13.71	149	619088	64.40	nq	98
84) Di-n-octyl phthalate	14.32	149	1042286	62.94	nq	# 85
85) Indeno(1,2,3-cd)pyrene	16.31	276	867904	68.24	nq	94
87) Benzo(b)fluoranthene	14.73	252	1704248	83.09	nq	98
88) Benzo(k)fluoranthene	14.73	252	1704248	111.61	nq	99
89) Benzo(a)pyrene	15.02	252	840968	49.05	nq	98
90) Dibenzo(a,h)anthracene	16.31	278	741184	51.35	nq	96
91) Benzo(g,h,i)perylene	16.67	276	691561	47.43	nq	# 89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

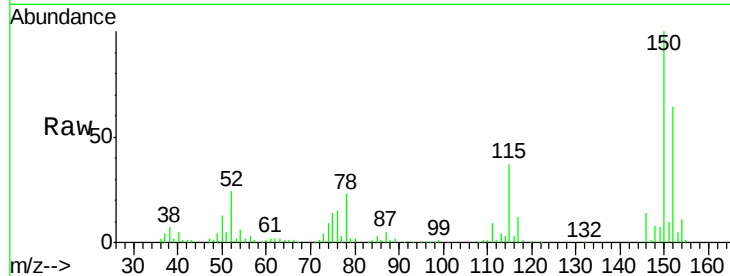
Tot Ion:152 Resp: 131097

Ion Ratio Lower Upper

152 100

150 155.1 125.8 188.6

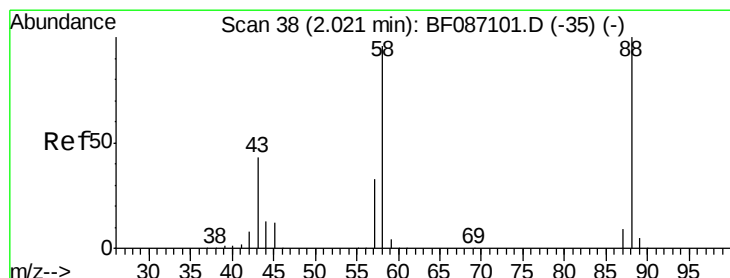
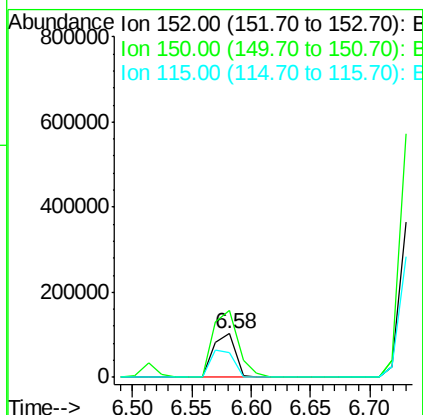
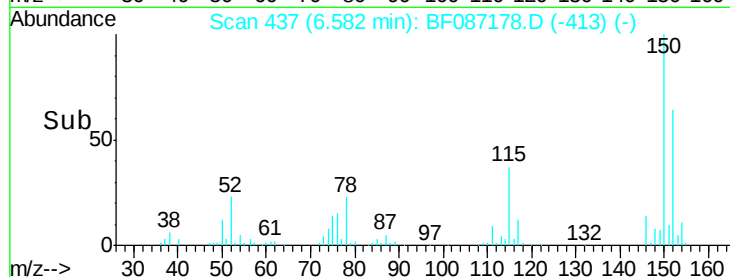
115 56.8 51.5 77.3



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



#2

1,4-Dioxane

Concen: 9.76 ng

RT: 2.01 min Scan# 37

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

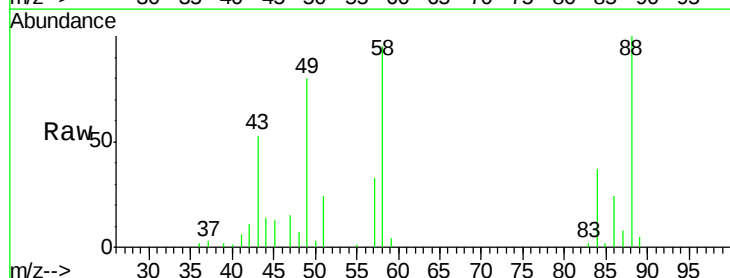
Tgt Ion: 88 Resp: 39160

Ion Ratio Lower Upper

88 100

58 92.8 59.6 89.4#

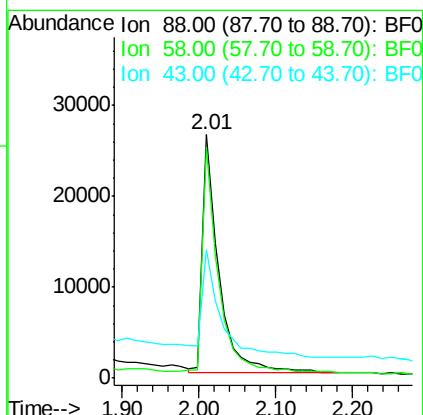
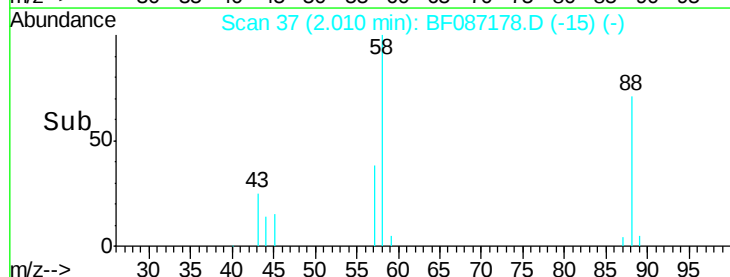
43 52.3 21.8 32.6#

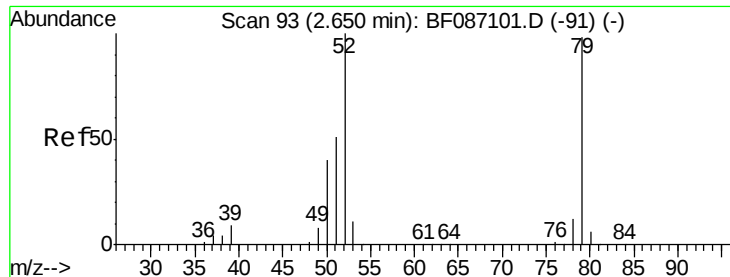


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 9.24 ng

RT: 2.68 min Scan# 96

Delta R.T. -0.00 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

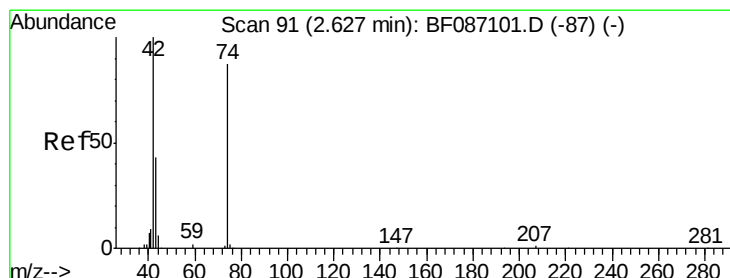
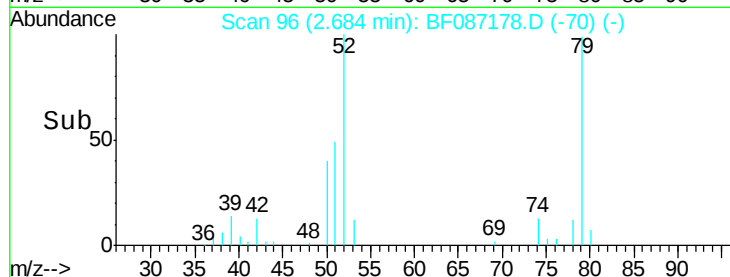
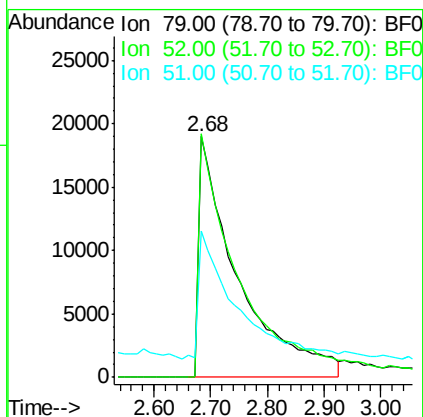
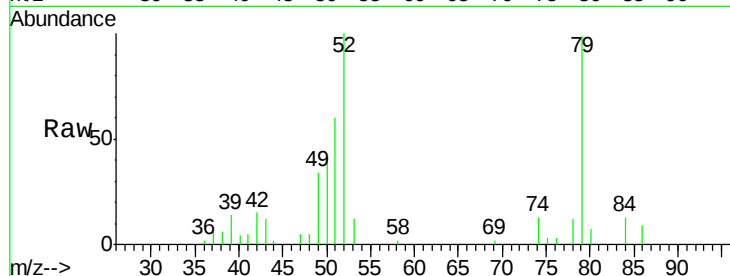
Tot Ion: 79 Resp: 89694

Ion Ratio Lower Upper

79 100

52 101.1 55.9 83.9#

51 60.7 28.1 42.1#



#4

n-Nitrosodimethylamine

Concen: 13.94 ng

RT: 2.60 min Scan# 89

Delta R.T. -0.06 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

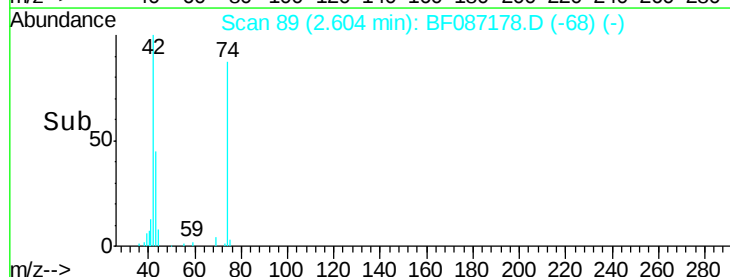
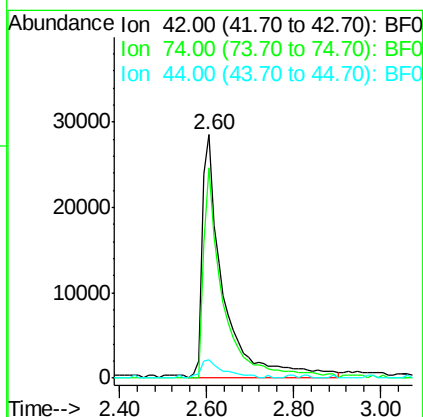
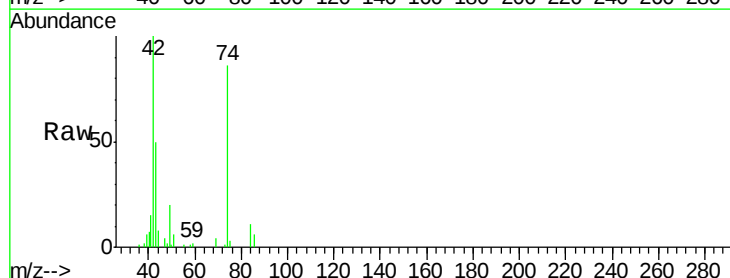
Tgt Ion: 42 Resp: 95850

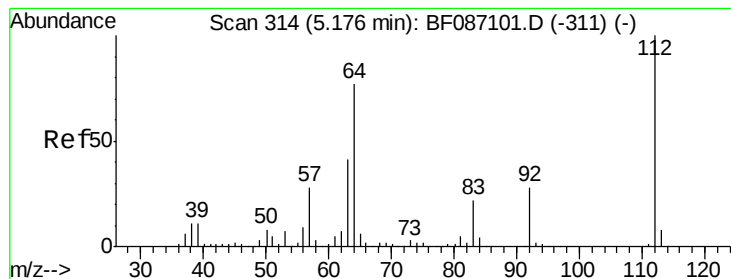
Ion Ratio Lower Upper

42 100

74 86.2 123.4 185.0#

44 7.6 5.8 8.6





#5

2-Fluorophenol

Concen: 51.57 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

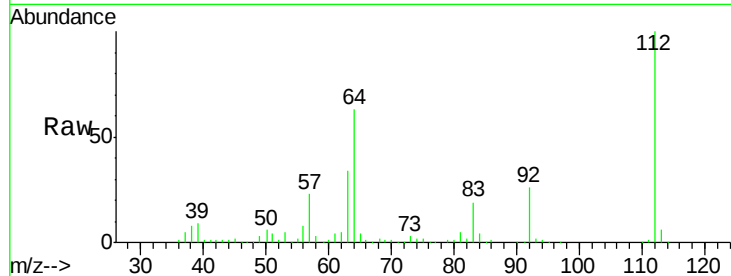
Tot Ion:112 Resp: 402254

Ion Ratio Lower Upper

112 100

64 63.4 52.1 78.1

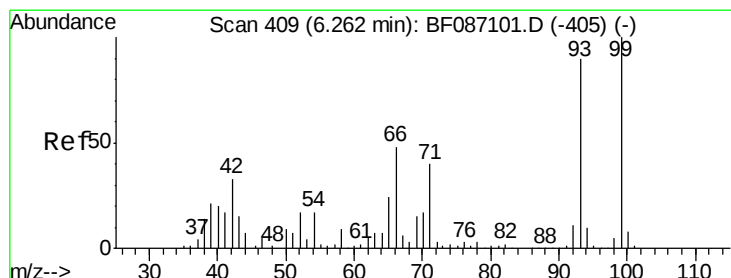
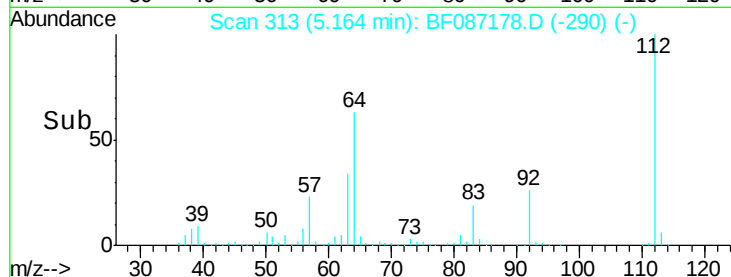
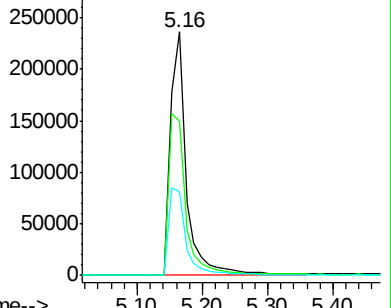
63 34.1 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.60 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

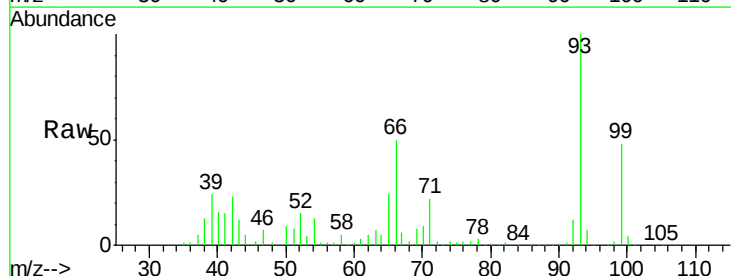
Tgt Ion: 93 Resp: 326821

Ion Ratio Lower Upper

93 100

66 49.8 39.0 58.6

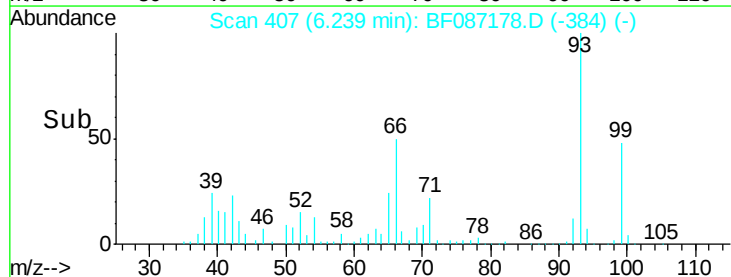
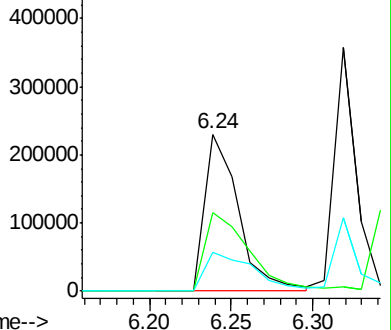
65 24.4 20.6 31.0

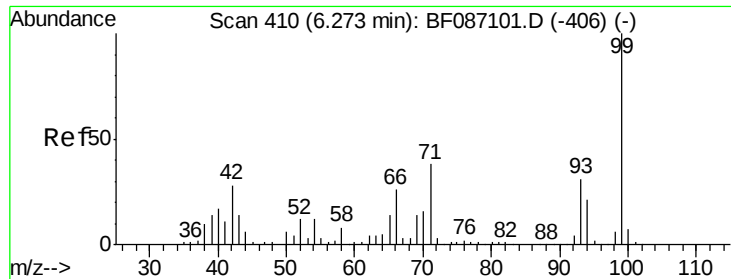


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 33.68 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

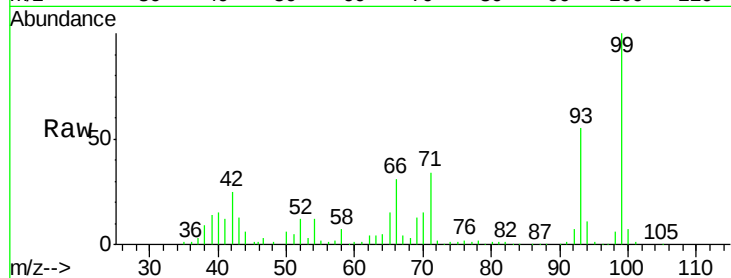
Tot Ion: 99 Resp: 352294

Ion Ratio Lower Upper

99 100

42 25.1 13.6 20.4#

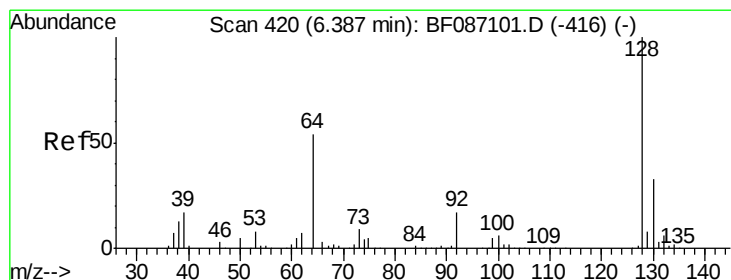
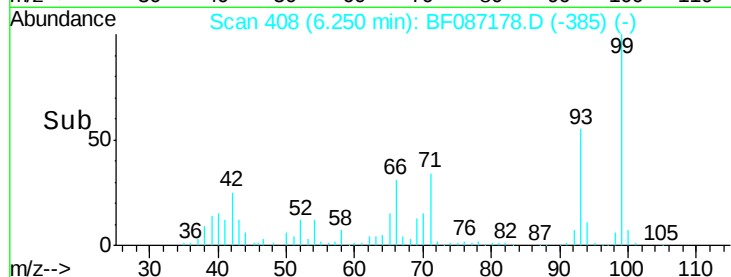
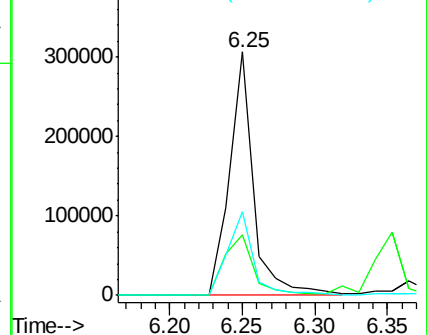
71 34.3 24.6 36.8



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: 30.59 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

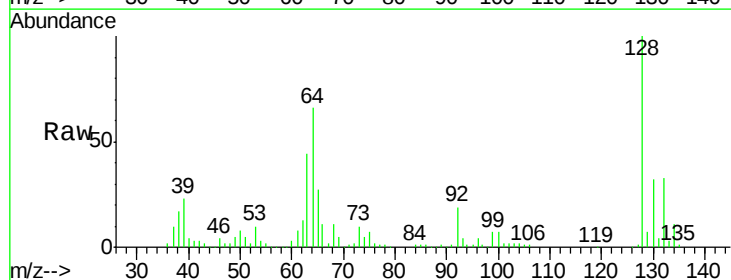
Tgt Ion: 128 Resp: 290262

Ion Ratio Lower Upper

128 100

130 32.3 12.5 52.5

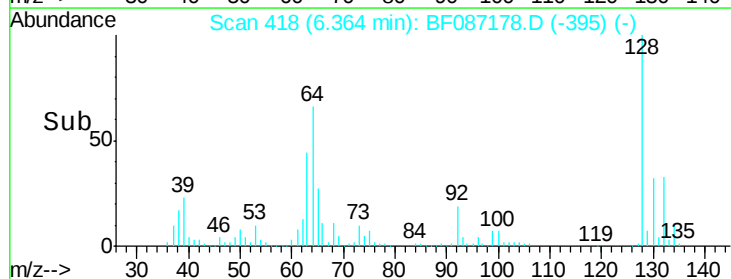
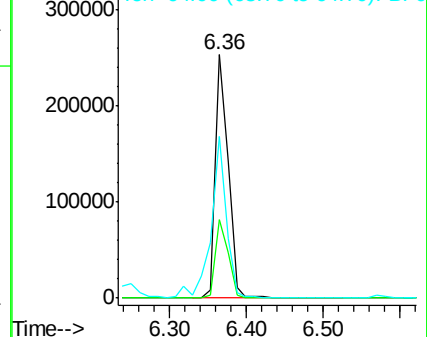
64 66.4 27.3 67.3

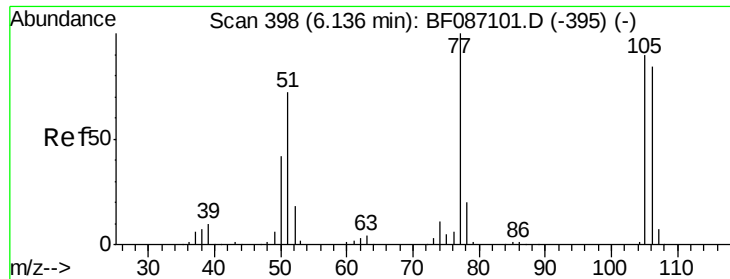


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

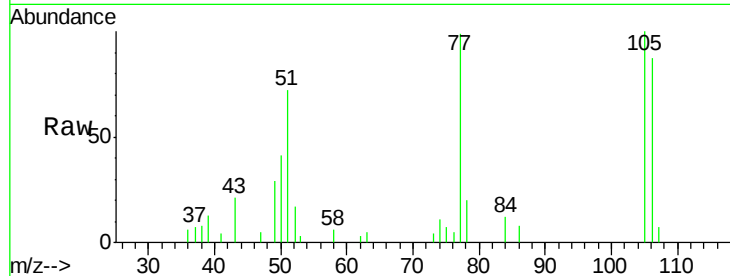




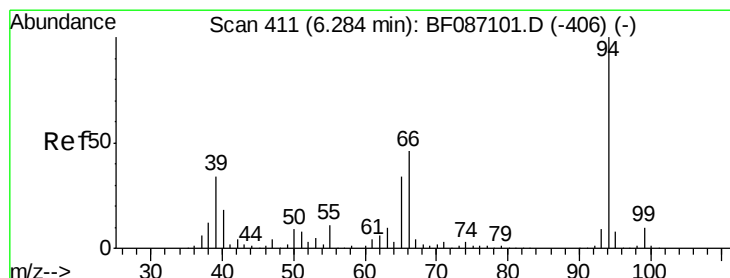
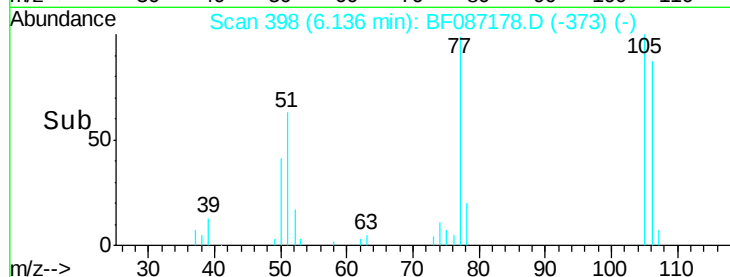
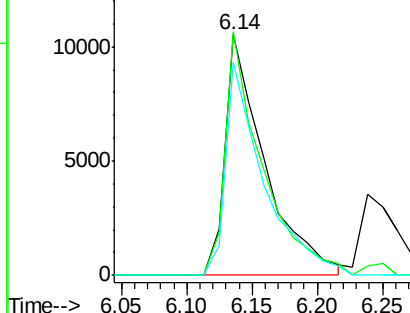
#9
Benzaldehyd
Concen: 2.88 ng
RT: 6.14 min Scan# 398
Delta R.T. -0.01 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion: 77 Resp: 22207
Ion Ratio Lower Upper
77 100
105 101.3 72.7 112.7
106 88.4 70.8 110.8

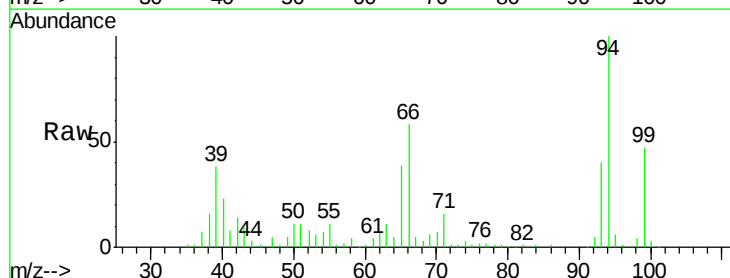


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0

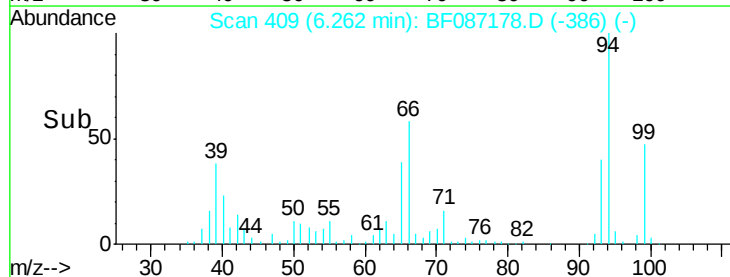
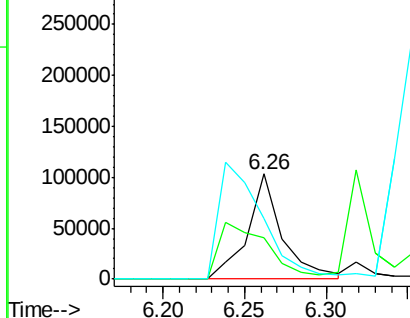


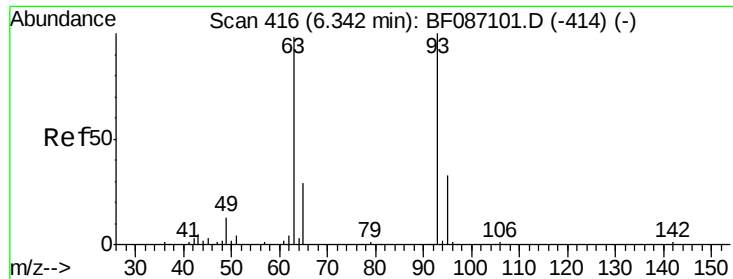
#10
Phenol
Concen: 11.66 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion: 94 Resp: 153352
Ion Ratio Lower Upper
94 100
65 38.9 7.2 47.2
66 57.7 14.9 54.9#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 32.42 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

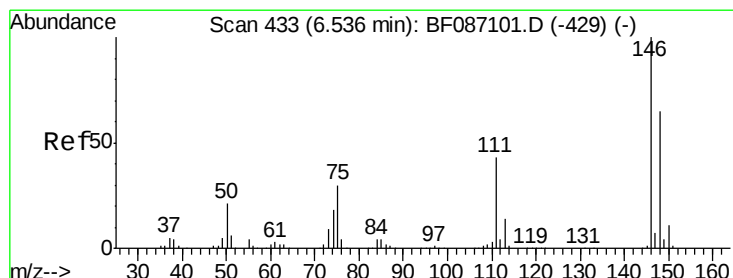
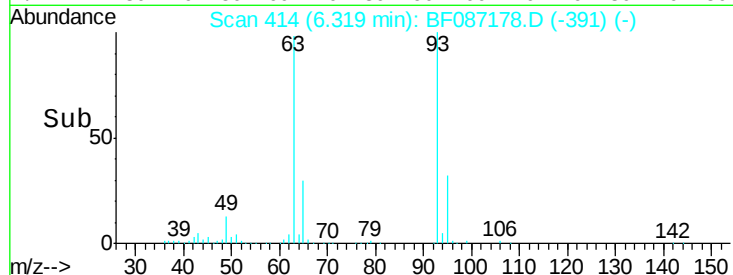
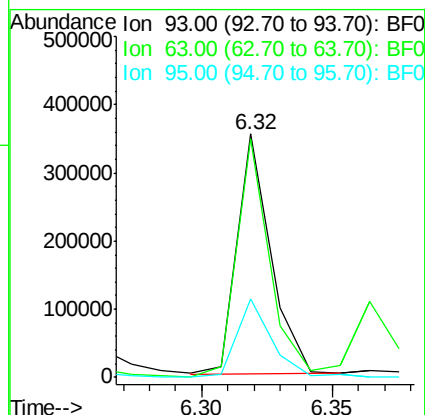
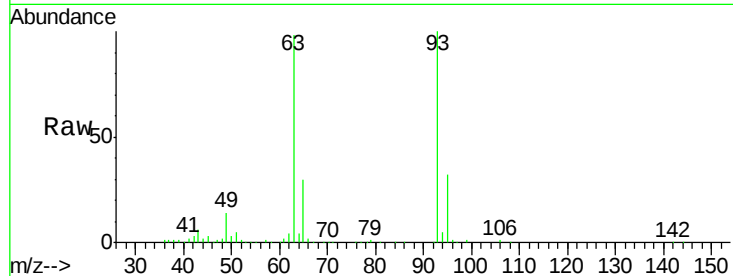
Tot Ion: 93 Resp: 320099

Ion Ratio Lower Upper

93 100

63 98.1 58.0 98.0#

95 32.2 11.9 51.9



#12

1,3-Dichlorobenzene

Concen: 26.67 ng

RT: 6.75 min Scan# 452

Delta R.T. 0.21 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

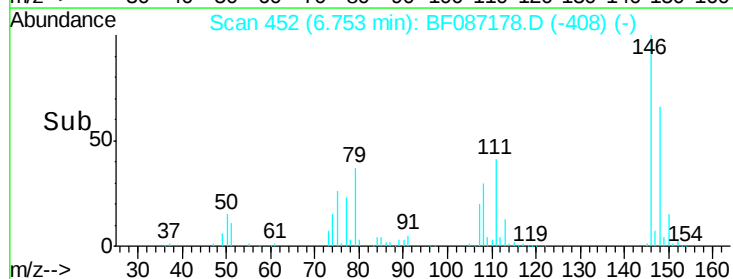
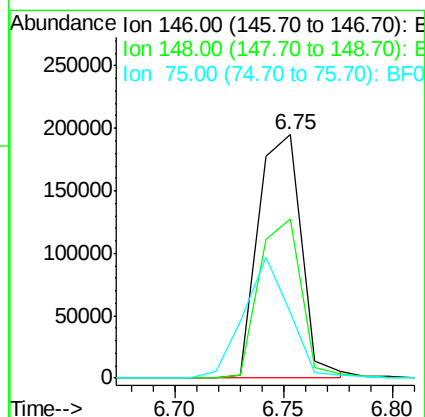
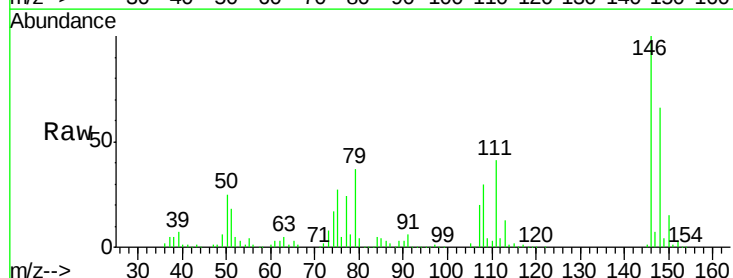
Tgt Ion: 146 Resp: 268986

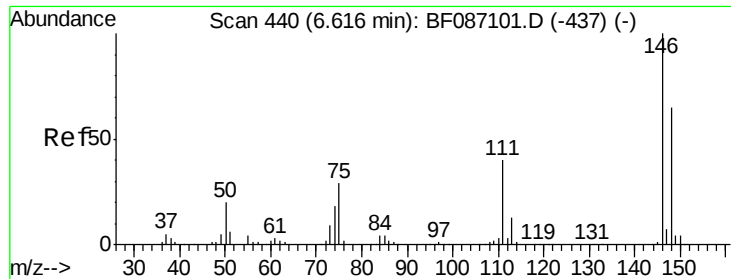
Ion Ratio Lower Upper

146 100

148 65.5 52.4 78.6

75 26.7 22.8 34.2

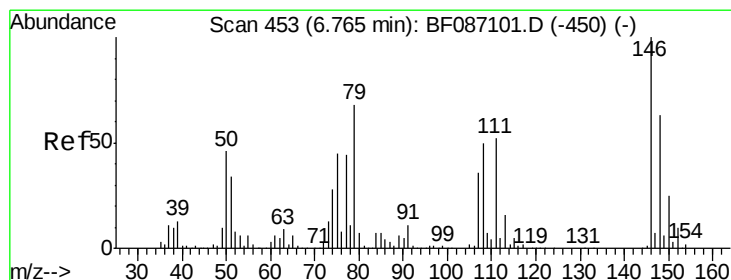
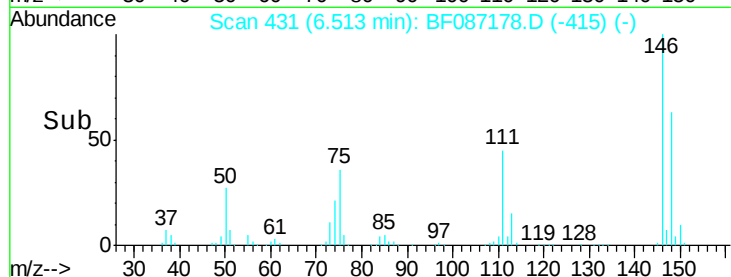
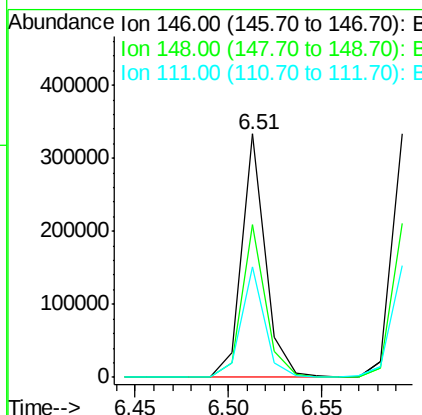
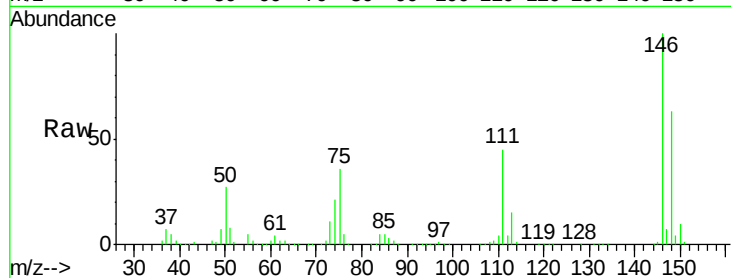




#13
 1,4-Dichlorobenzene
 Concen: 28.47 ng
 RT: 6.51 min Scan# 431
 Delta R.T. -0.11 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

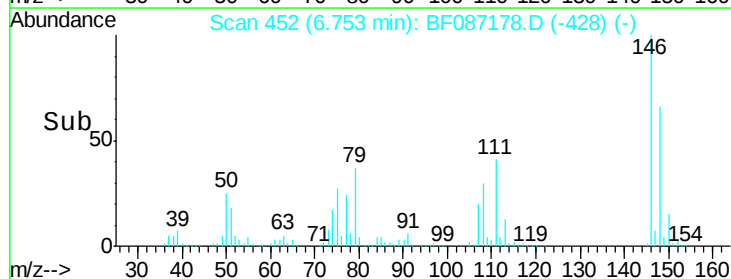
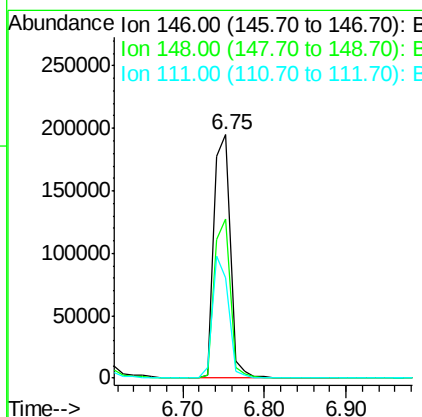
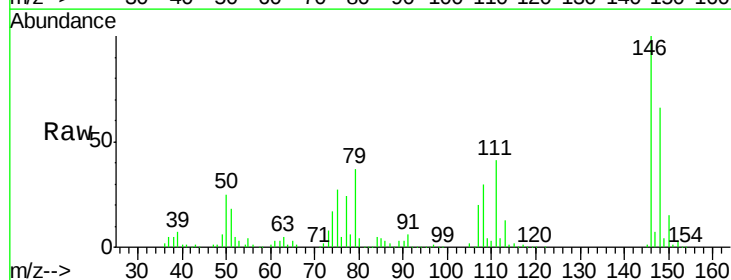
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

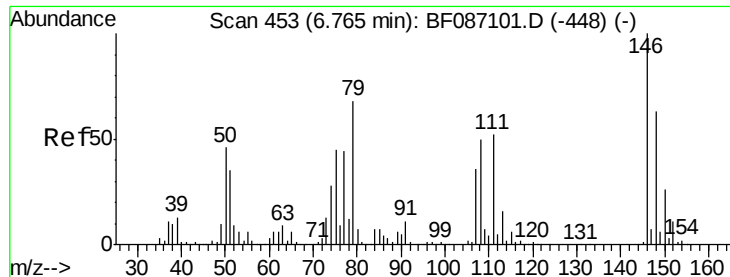
Tot Ion:146 Resp: 293879
 Ion Ratio Lower Upper
 146 100
 148 62.8 52.2 78.4
 111 45.4 30.7 46.1



#14
 1,2-Dichlorobenzene
 Concen: 30.48 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:146 Resp: 275387
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.0 76.6
 111 41.0 36.2 54.4





#15

Benzyl Alcohol

Concen: 29.23 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

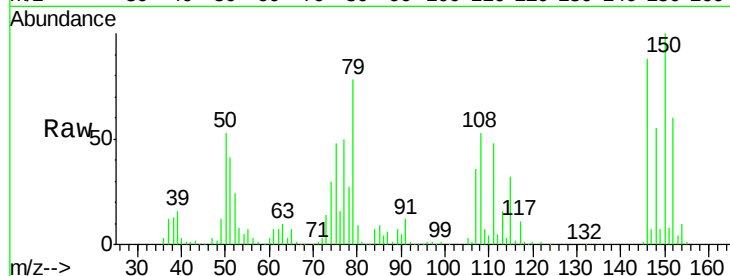
Tot Ion: 79 Resp: 227600

Ion Ratio Lower Upper

79 100

108 68.1 68.4 102.6#

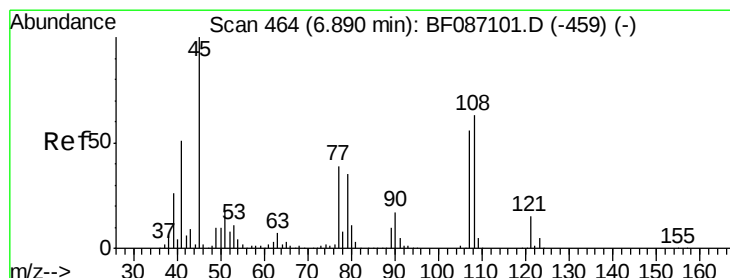
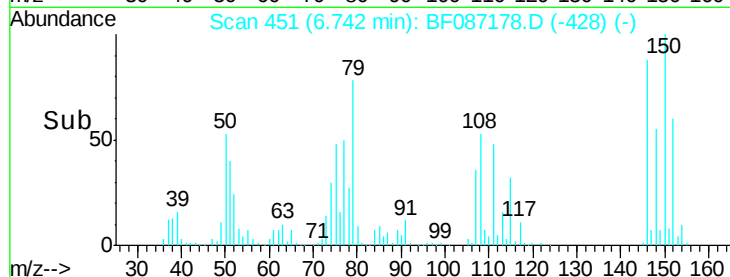
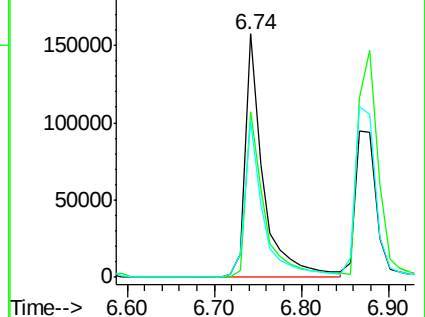
77 64.4 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.60 ng

RT: 6.87 min Scan# 462

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

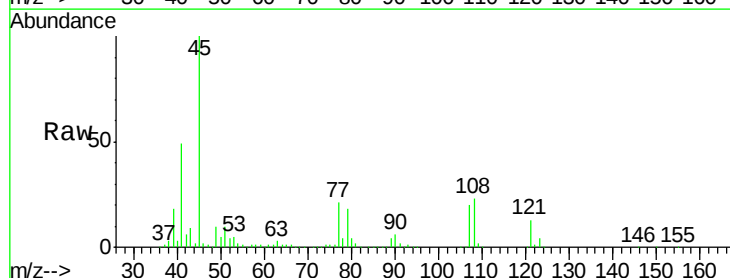
Tgt Ion: 45 Resp: 722569

Ion Ratio Lower Upper

45 100

77 21.5 0.0 36.4

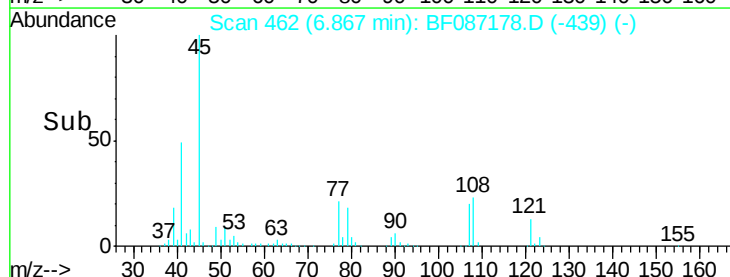
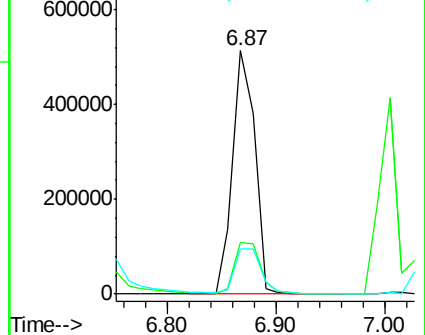
79 18.4 0.0 33.4

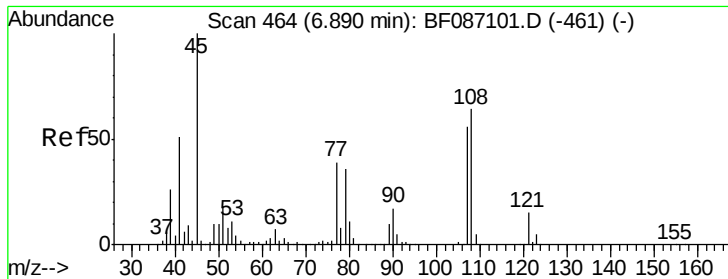


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 26.73 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

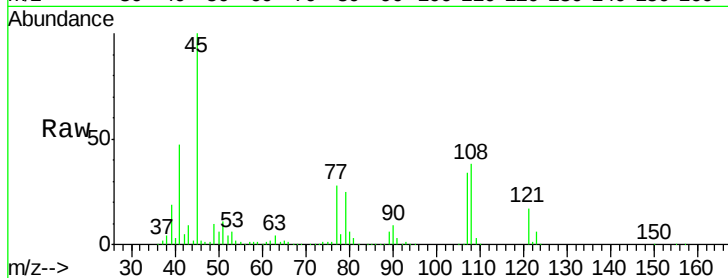
Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tot Ion:	107	Resp:	208305
Ion Ratio	Lower	Upper	
107	100		
108	112.4	93.7	140.5
77	80.8	33.4	50.0#
79	72.1	34.3	51.5#

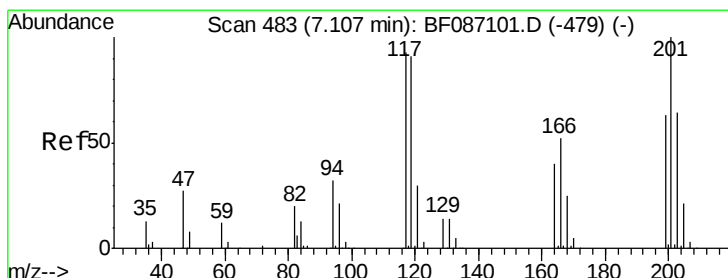
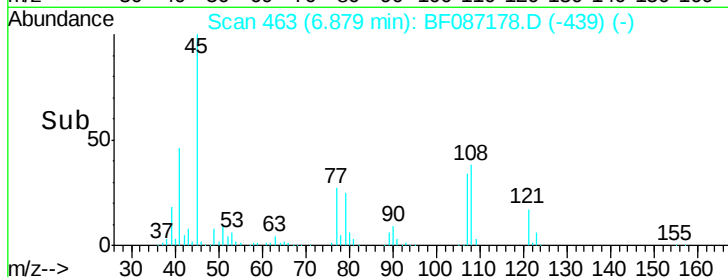
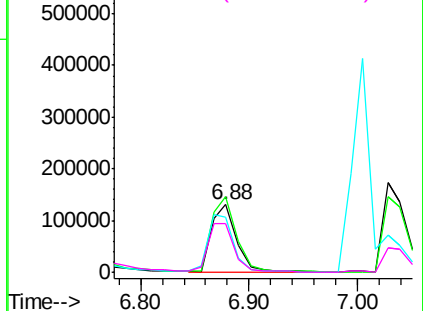


Abundance Ion 107.00 (106.70 to 107.70): E

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: 27.74 ng

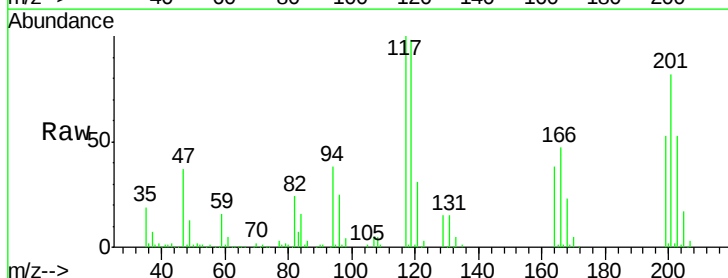
RT: 7.08 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

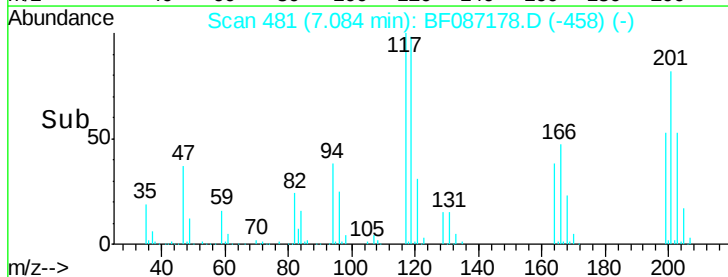
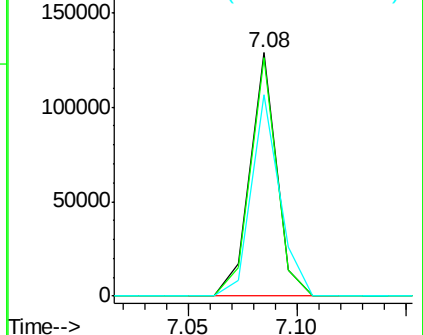
Tgt Ion:	117	Resp:	109473
Ion Ratio	Lower	Upper	
117	100		
119	98.2	76.5	114.7
201	82.5	63.0	94.6

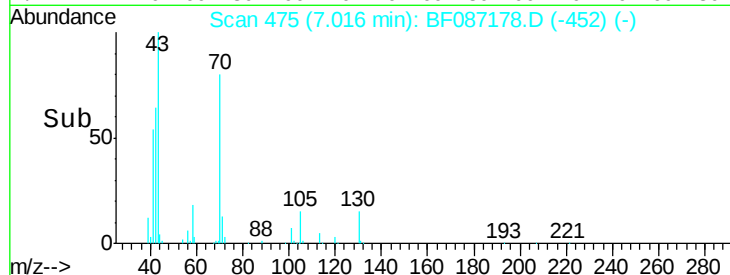
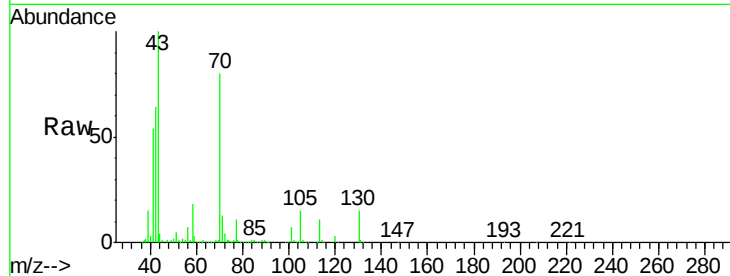


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

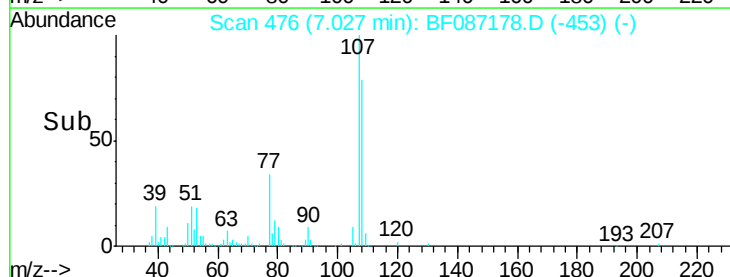
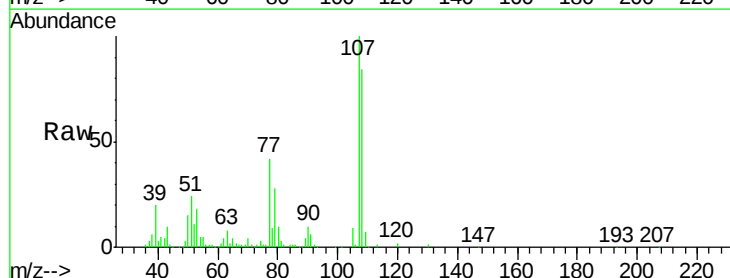
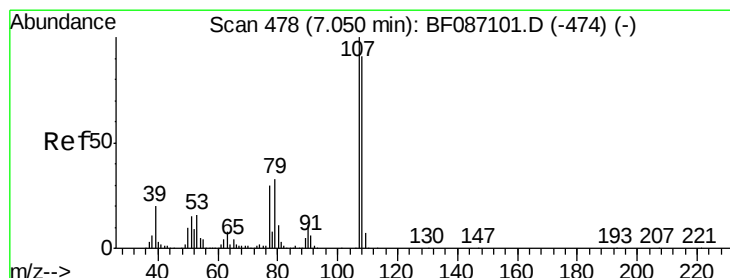
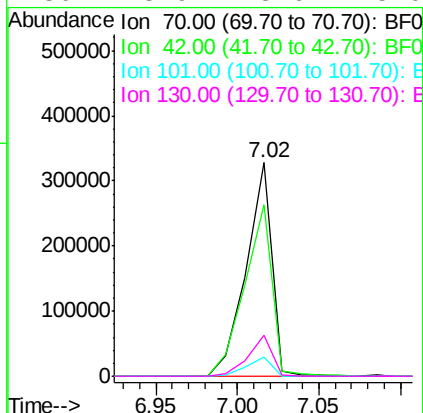




#19
n-Nitroso-di-n-propylamine
Concen: 44.94 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

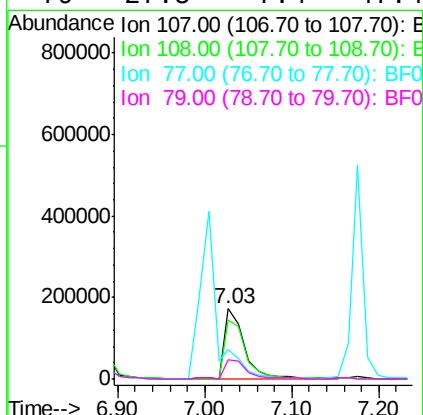
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

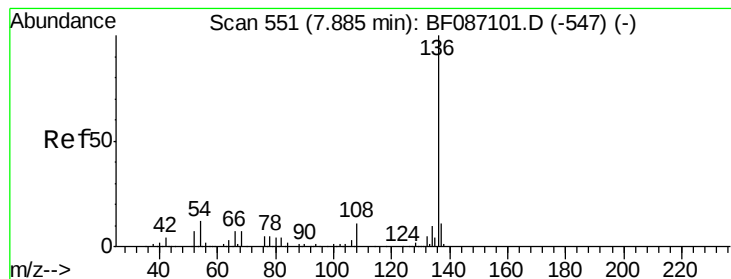
Tot Ion	Ratio	Lower	Upper
70	100		
42	80.2	43.1	64.7#
101	9.1	8.1	12.1
130	18.9	18.6	28.0



#20
3+4-Methylphenols
Concen: 26.93 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
107	100		
108	84.4	68.5	108.5
77	41.8	101.6	141.6#
79	27.5	7.4	47.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tot Ion:136 Resp: 526463

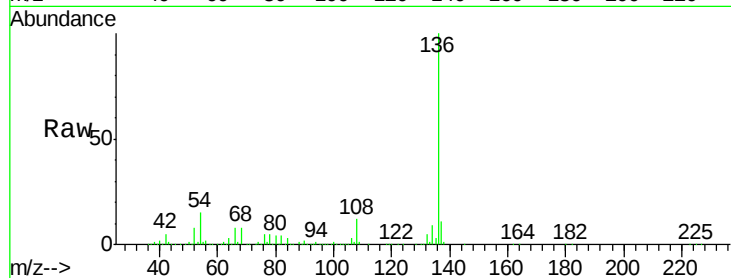
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 14.8 5.0 7.4#

68 7.7 4.4 6.6#

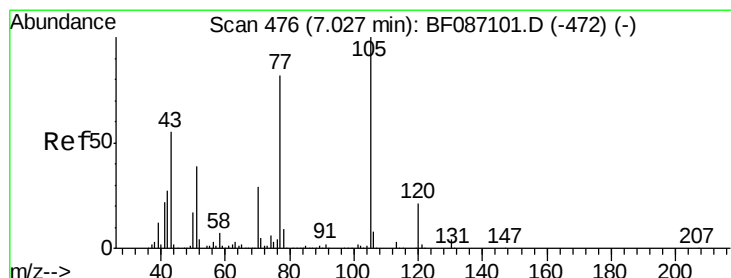
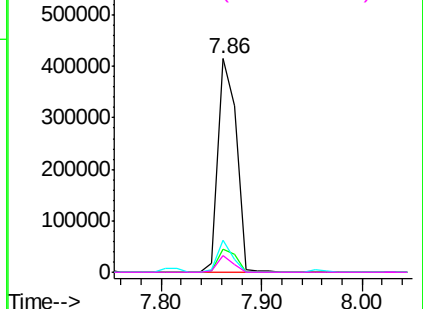
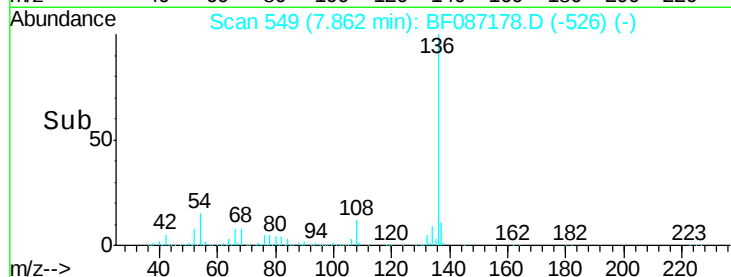


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 43.82 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:105 Resp: 564598

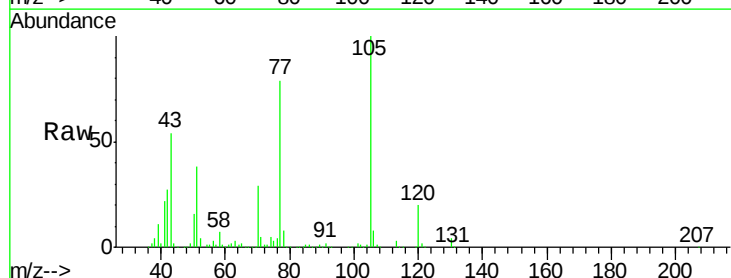
Ion Ratio Lower Upper

105 100

71 5.0 4.8 7.2

51 37.8 32.6 49.0

120 20.5 16.5 24.7

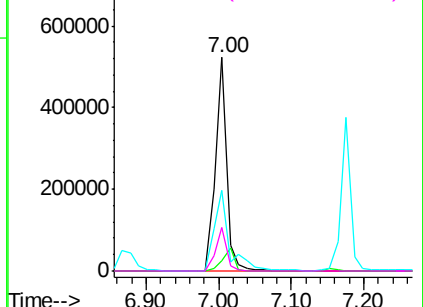
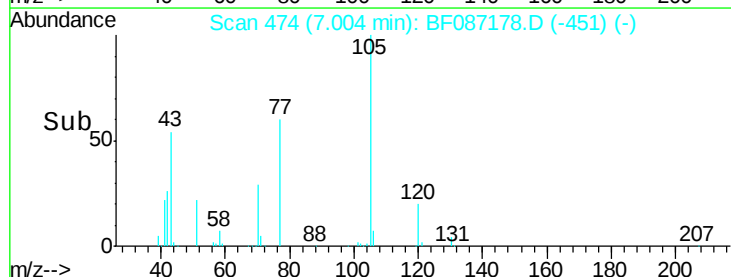


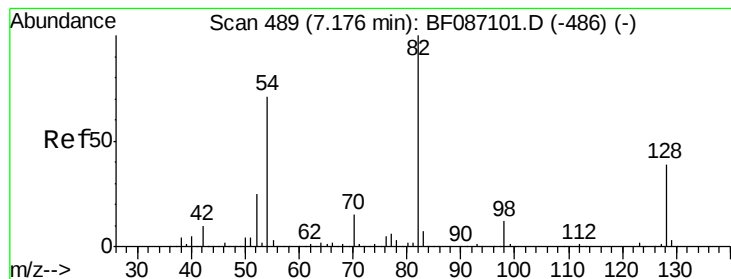
Abundance Ion 105.00 (104.70 to 105.70): E

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: 81.17 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

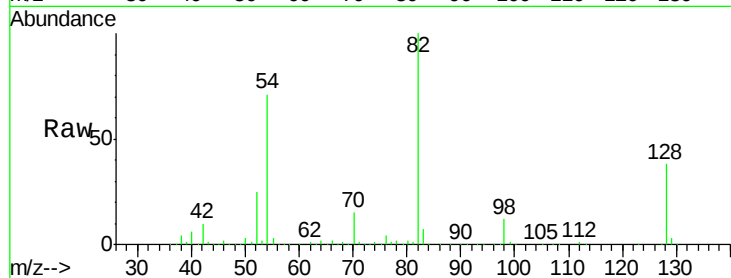
Tot Ion: 82 Resp: 857402

Ion Ratio Lower Upper

82 100

128 37.6 40.6 61.0#

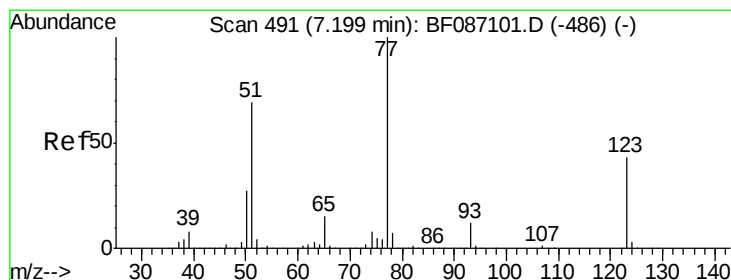
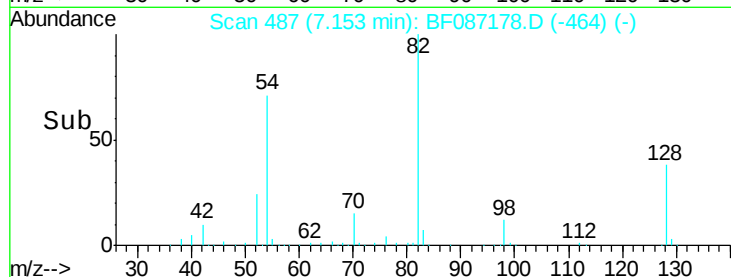
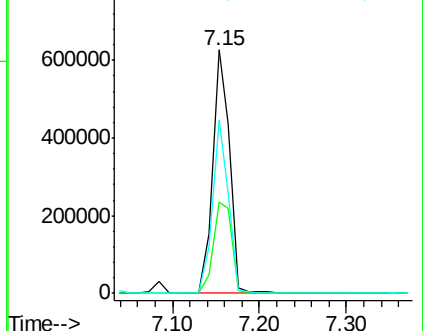
54 71.3 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 40.49 ng

RT: 7.18 min Scan# 489

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

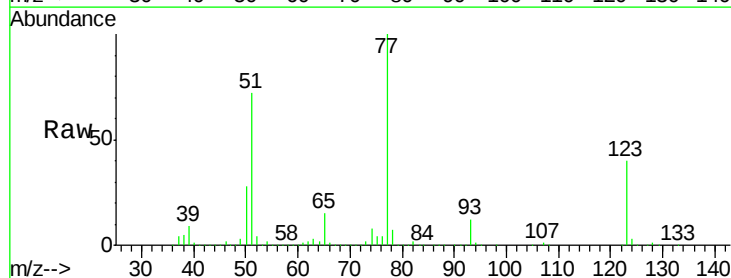
Tgt Ion: 77 Resp: 467035

Ion Ratio Lower Upper

77 100

123 39.6 33.0 49.4

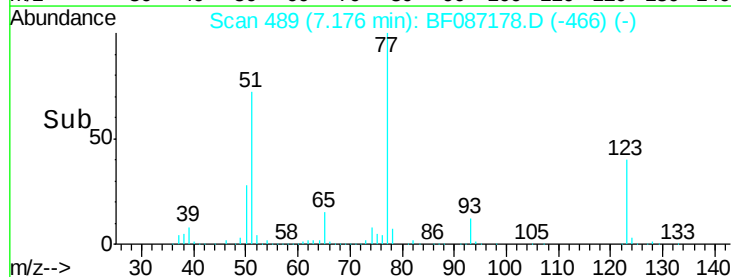
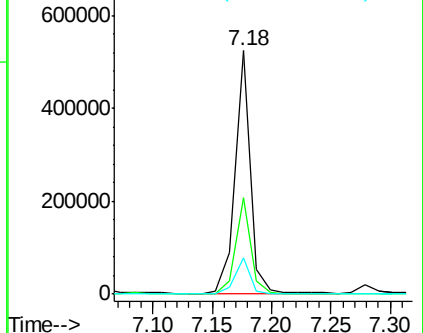
65 14.9 10.8 16.2

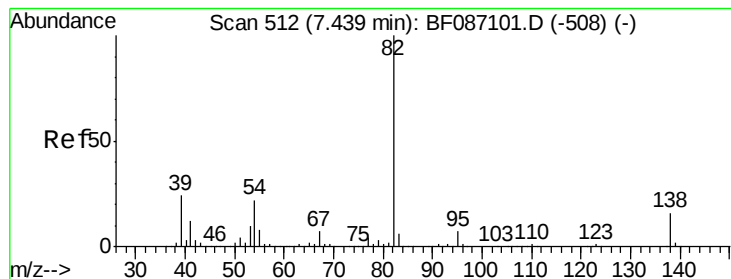


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 43.84 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

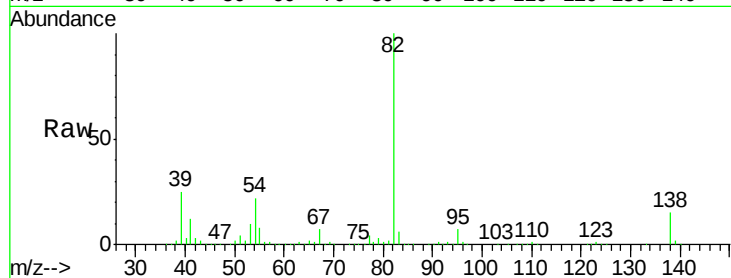
Tot Ion: 82 Resp: 847730

Ion Ratio Lower Upper

82 100

95 7.2 5.1 7.7

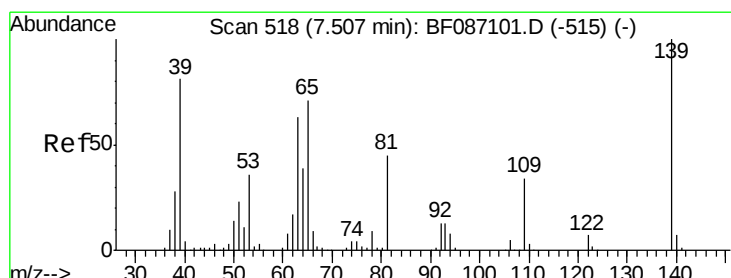
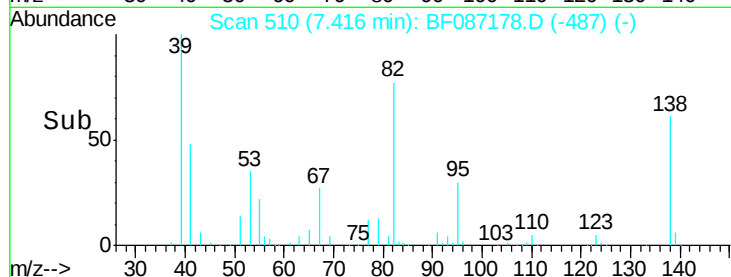
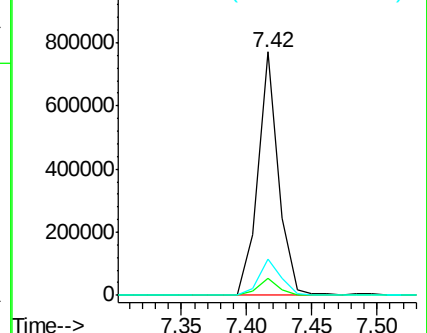
138 14.8 12.4 18.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 41.43 ng

RT: 7.50 min Scan# 517

Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

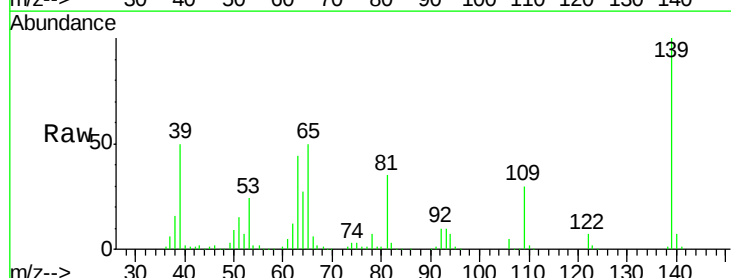
Tgt Ion: 139 Resp: 197936

Ion Ratio Lower Upper

139 100

109 29.6 19.5 29.3#

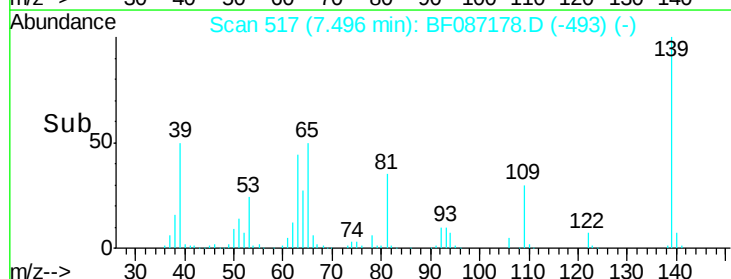
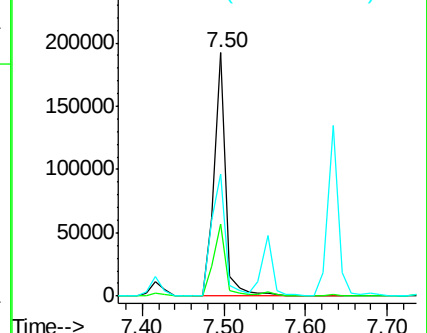
65 50.3 37.5 56.3

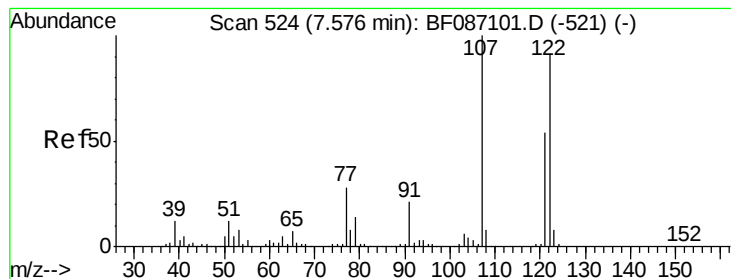


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

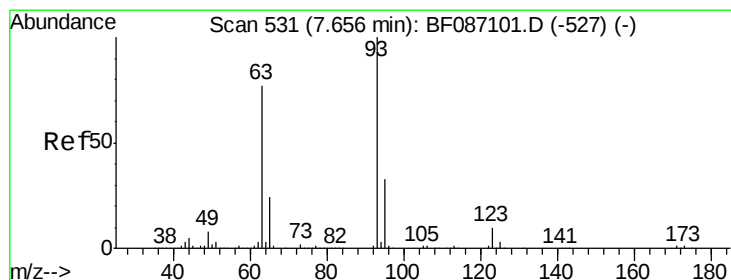
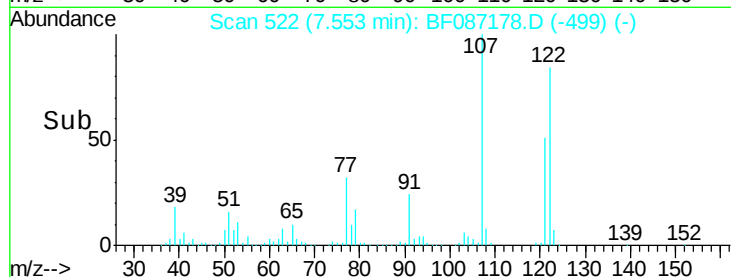
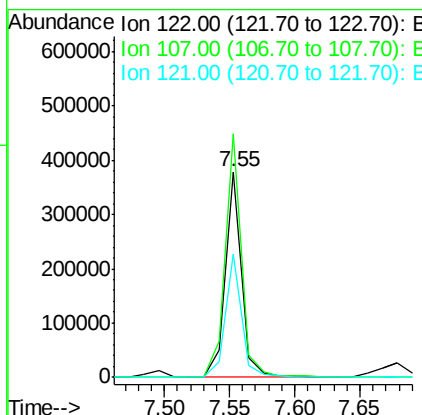
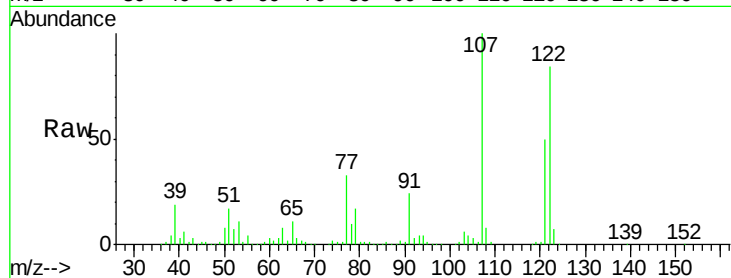




#27
 2,4-Dimethylphenol
 Concen: 40.42 ng
 RT: 7.55 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

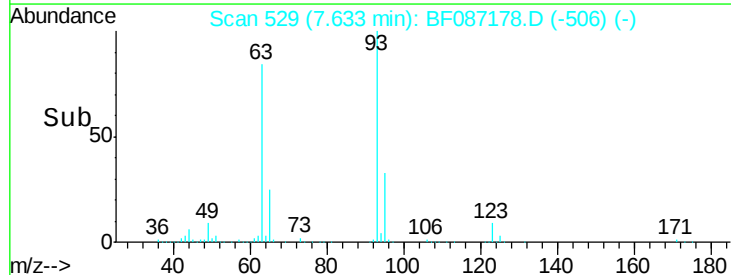
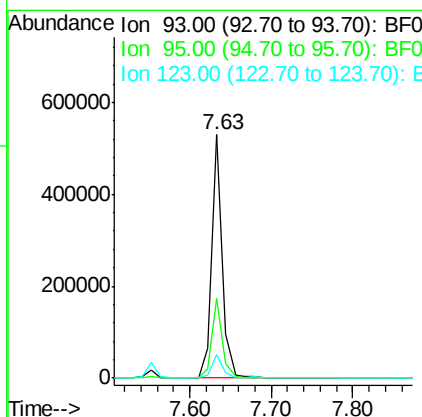
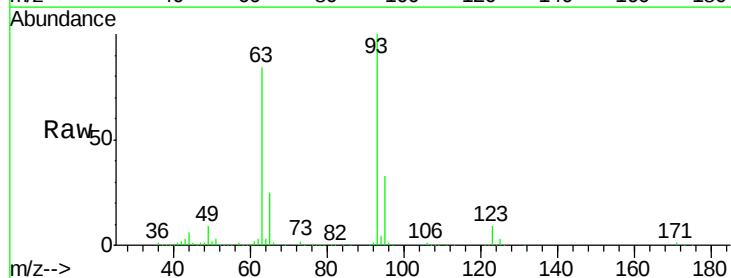
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

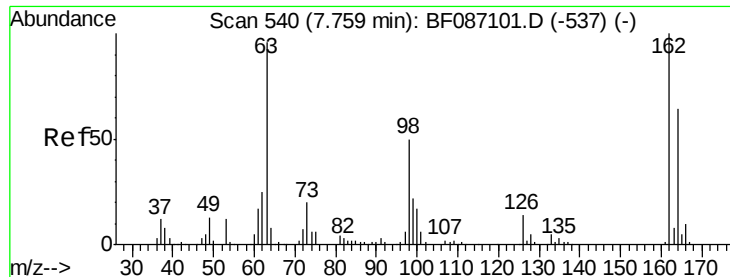
Tot Ion:122 Resp: 329572
 Ion Ratio Lower Upper
 122 100
 107 118.5 82.0 123.0
 121 59.8 46.1 69.1



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.84 ng
 RT: 7.63 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion: 93 Resp: 486656
 Ion Ratio Lower Upper
 93 100
 95 32.7 26.0 39.0
 123 9.4 9.5 14.3#

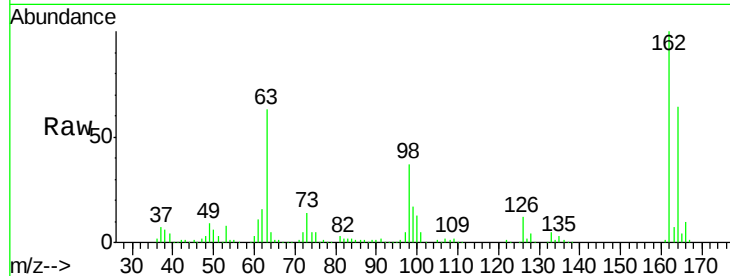




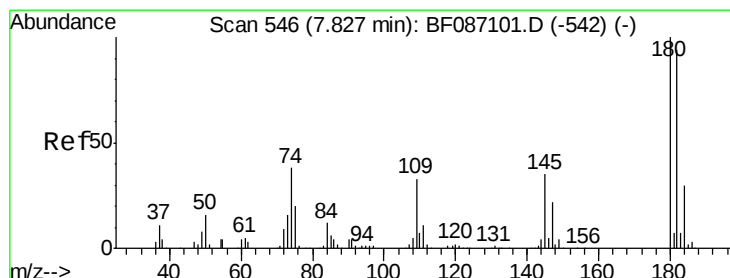
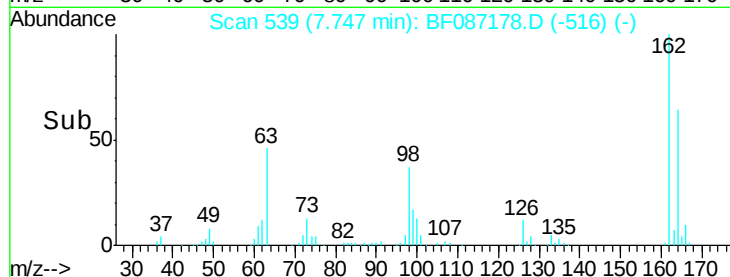
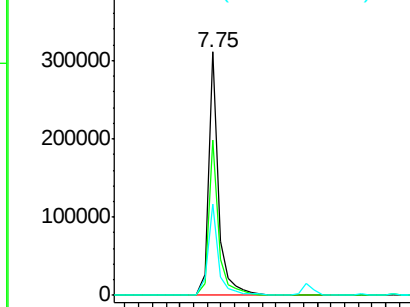
#29
 2,4-Dichlorophenol
 Concen: 43.97 ng
 RT: 7.75 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	42.2	82.2
98	37.4	19.0	59.0

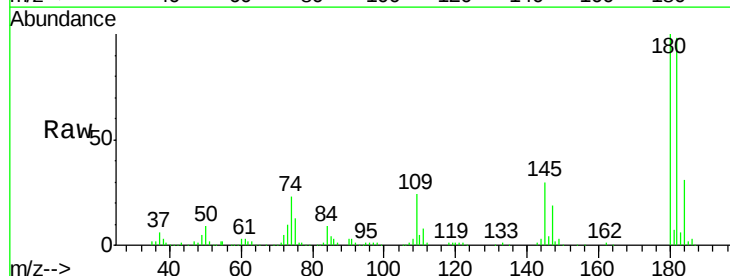


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

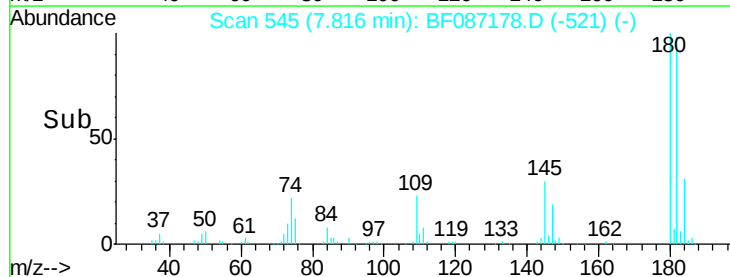
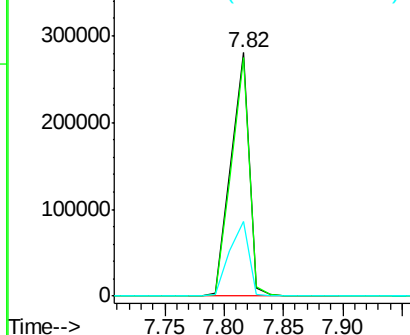


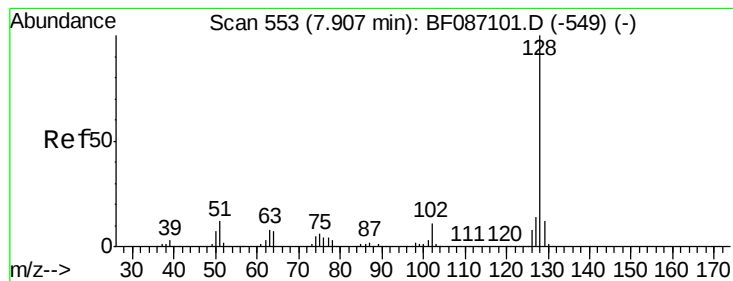
#30
 1,2,4-Trichlorobenzene
 Concen: 37.62 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	78.0	117.0
145	30.4	24.2	36.2



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: 38.83 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

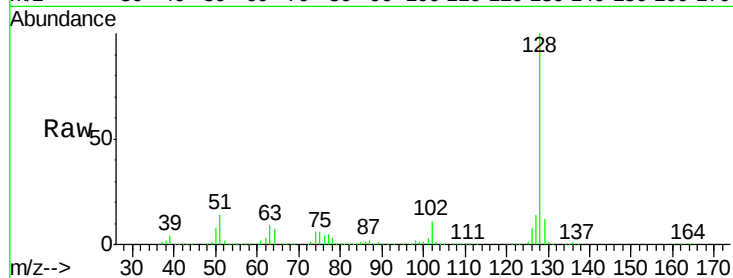
Tot Ion:128 Resp: 998752

Ion Ratio Lower Upper

128 100

129 11.6 8.6 13.0

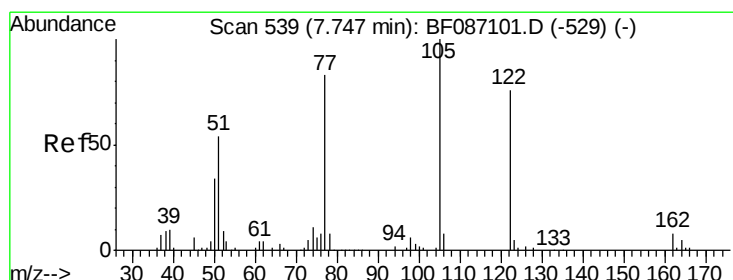
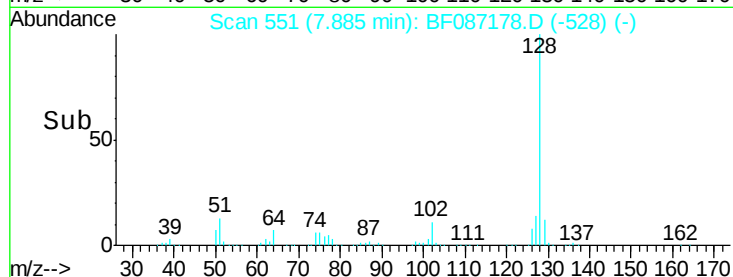
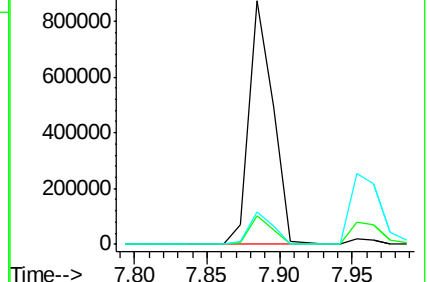
127 13.5 10.8 16.2



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: 10.23 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.07 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

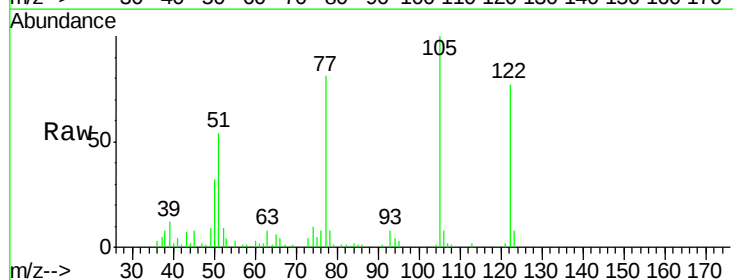
Tgt Ion:122 Resp: 49716

Ion Ratio Lower Upper

122 100

105 129.3 92.6 132.6

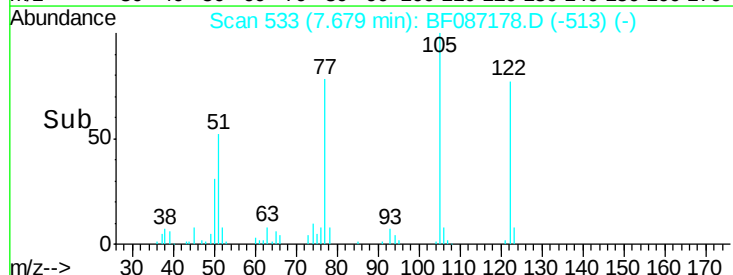
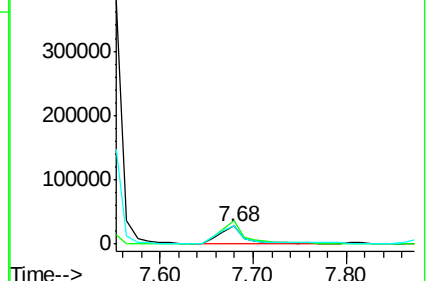
77 104.5 60.0 100.0#



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

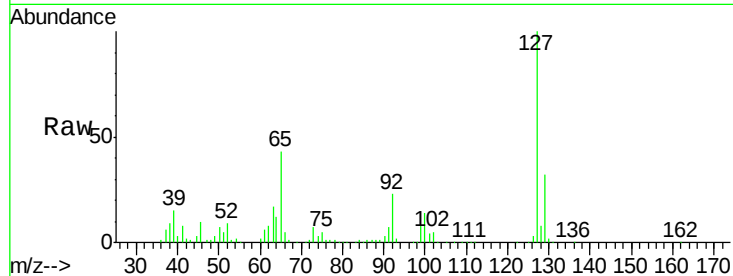




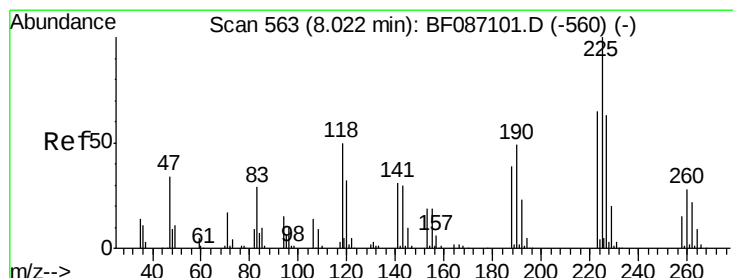
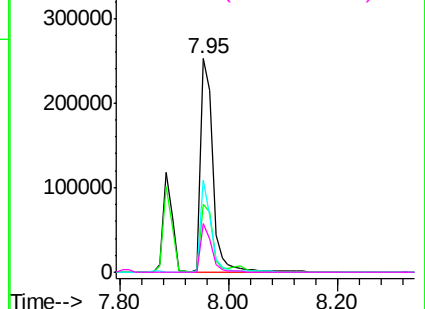
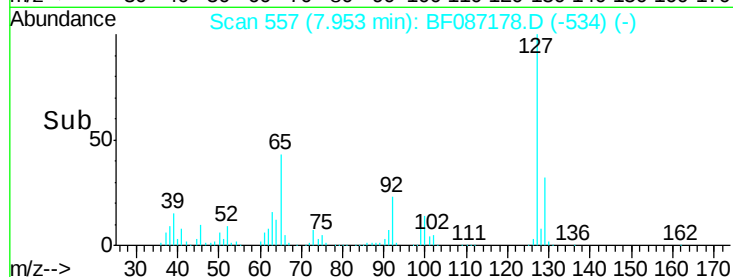
#33
 4-Chloroaniline
 Concen: 36.25 ng
 RT: 7.95 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion:	127	Resp:	387514
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	43.3	23.0	34.4
92	22.7	15.1	22.7

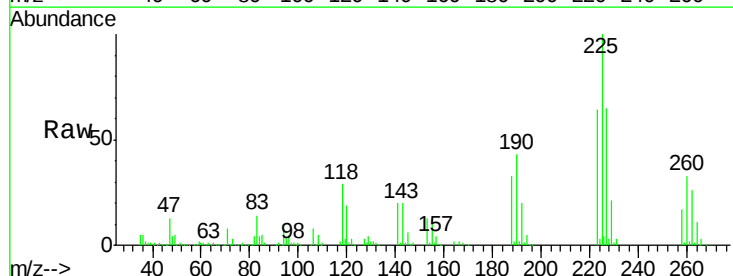


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0

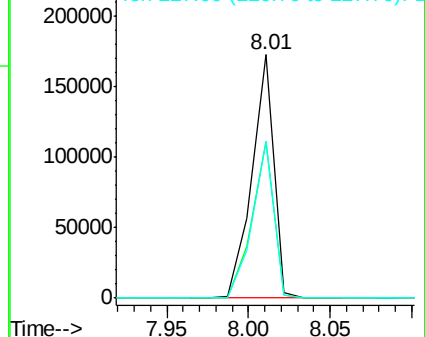
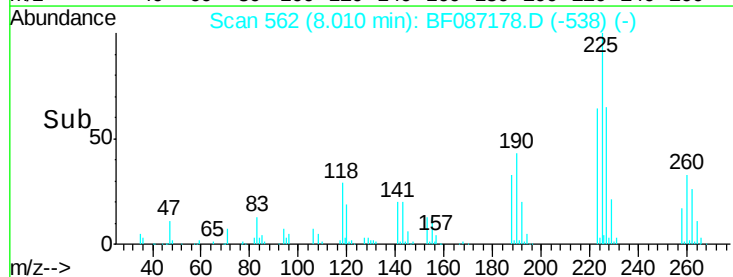


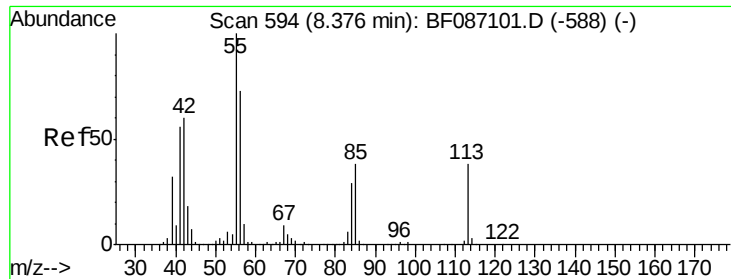
#34
 Hexachlorobutadiene
 Concen: 35.50 ng
 RT: 8.01 min Scan# 562
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:	225	Resp:	160636
Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.5	77.3
227	64.5	52.2	78.2



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

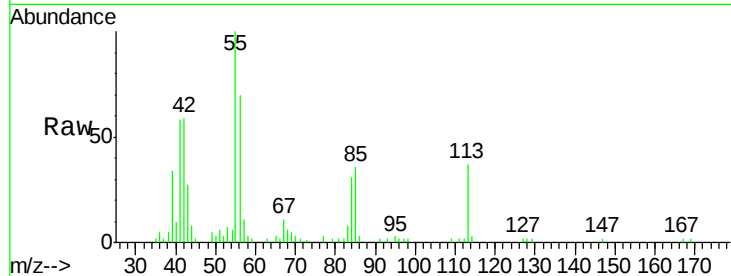




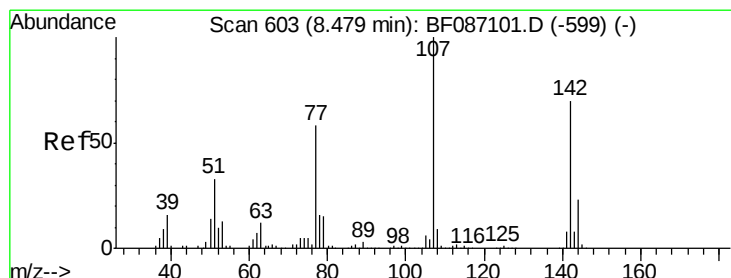
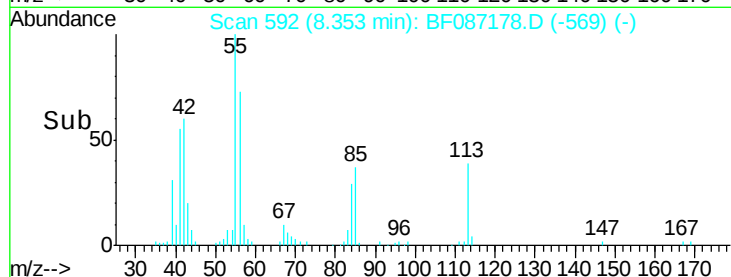
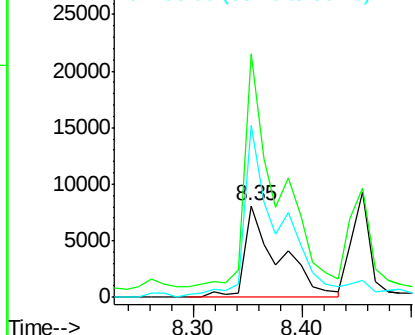
#35
 Caprolactam
 Concen: 7.37 ng
 RT: 8.35 min Scan# 592
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion:113 Resp: 17622
 Ion Ratio Lower Upper
 113 100
 55 266.8 162.0 202.0#
 56 188.1 115.3 155.3#

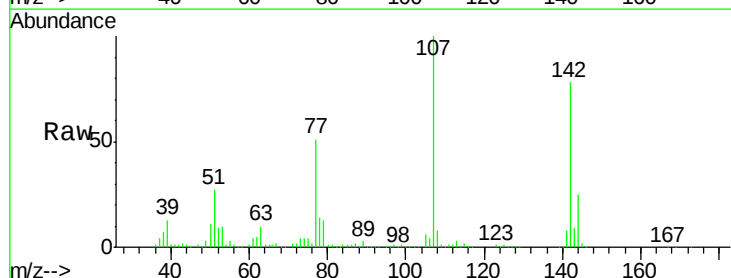


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

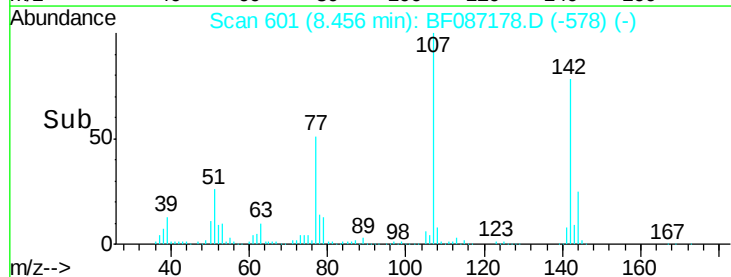
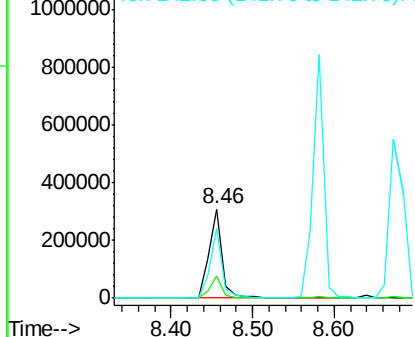


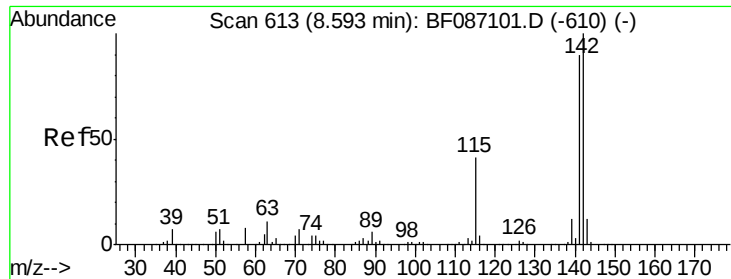
#36
 4-Chloro-3-methylphenol
 Concen: 41.33 ng
 RT: 8.46 min Scan# 601
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:107 Resp: 358185
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.7 31.1
 142 77.8 63.2 94.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

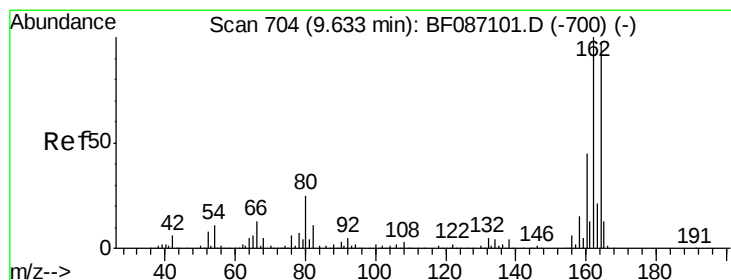
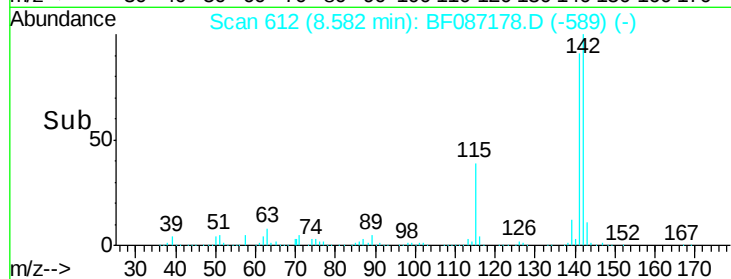
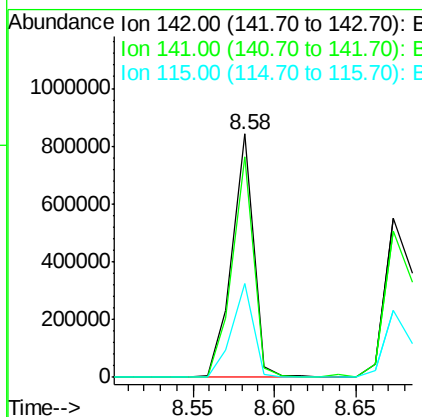
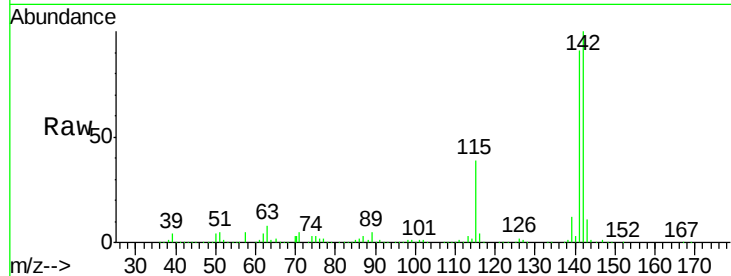




#37
2-Methylnaphthalene
Concen: 46.86 ng
RT: 8.58 min Scan# 612
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

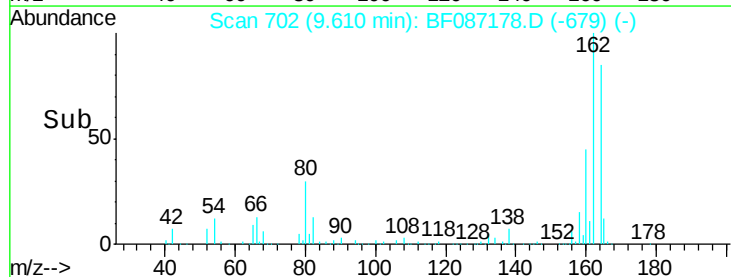
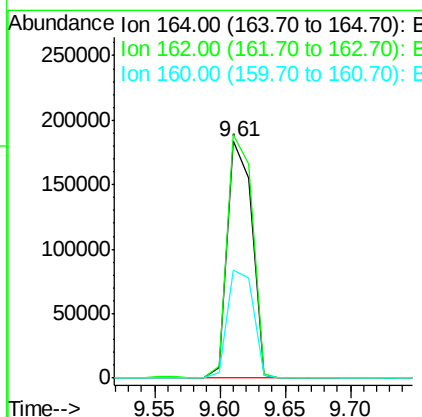
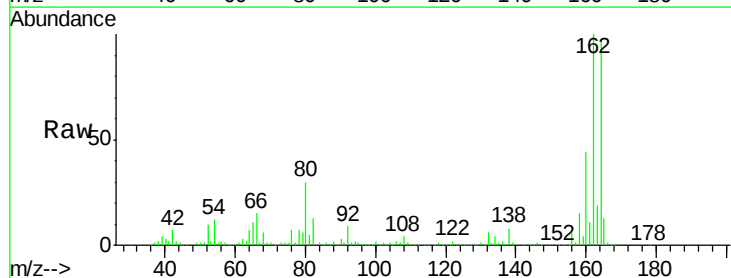
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

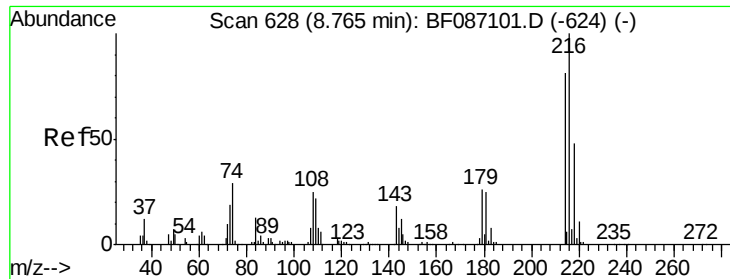
Tot Ion:142 Resp: 771092
Ion Ratio Lower Upper
142 100
141 90.5 71.0 106.6
115 38.5 26.6 39.8



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:164 Resp: 241148
Ion Ratio Lower Upper
164 100
162 102.8 82.8 124.2
160 45.7 36.9 55.3

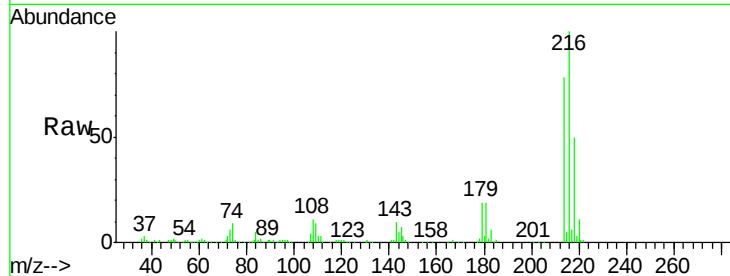




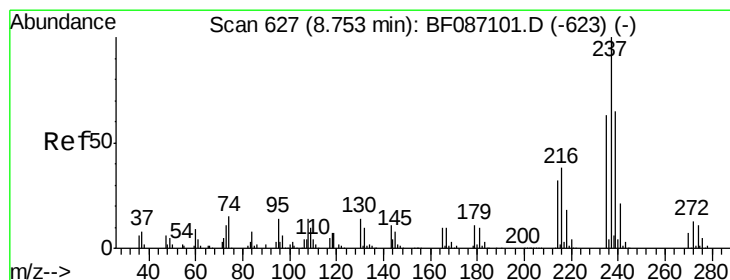
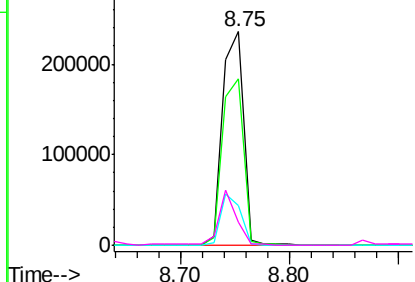
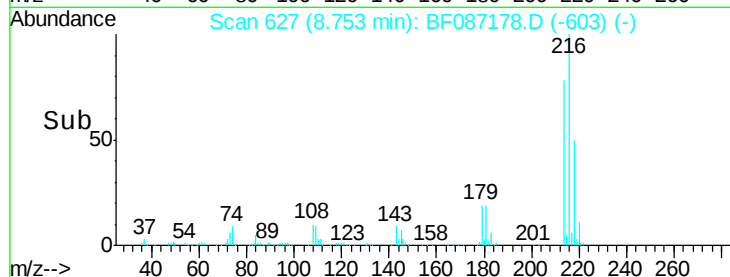
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.99 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion:216	Resp:	316852
Ion Ratio	Lower	Upper
216	100	
214	78.8	62.6 93.8
179	22.9	18.2 27.4
108	21.4	17.5 26.3

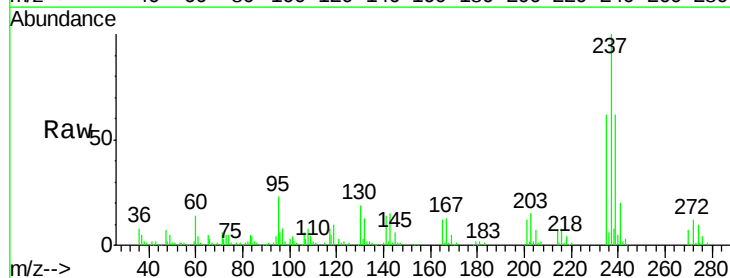


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

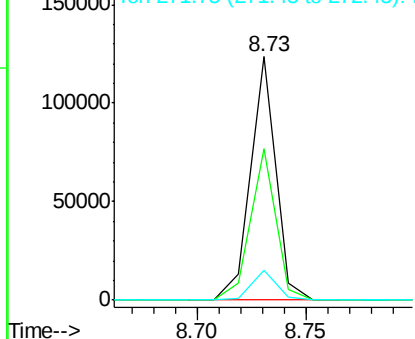
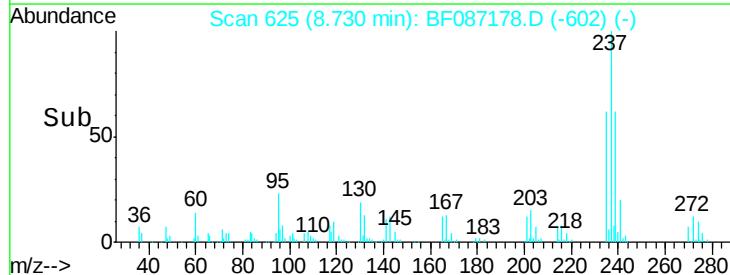


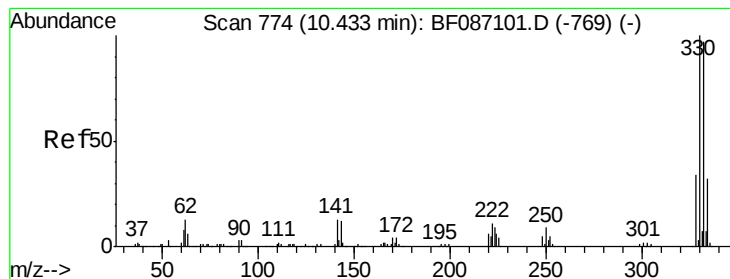
#40
 Hexachlorocyclopentadiene
 Concen: 40.88 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:237	Resp:	99601
Ion Ratio	Lower	Upper
237	100	
235	62.0	47.2 87.2
272	12.3	0.0 31.1



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: 147.01 ng

RT: 10.41 min Scan# 772

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

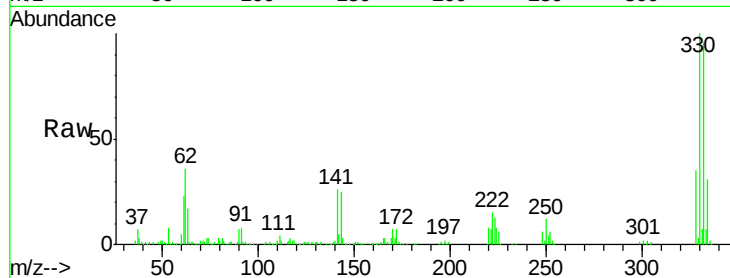
Tot Ion:330 Resp: 391744

Ion Ratio Lower Upper

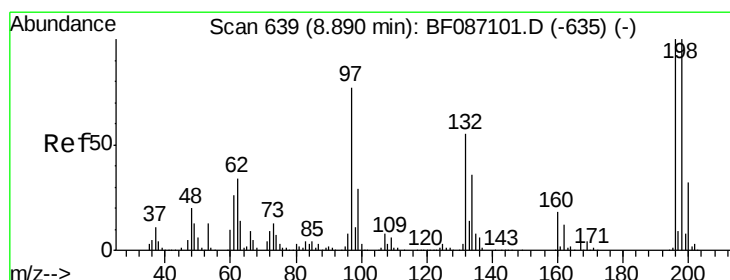
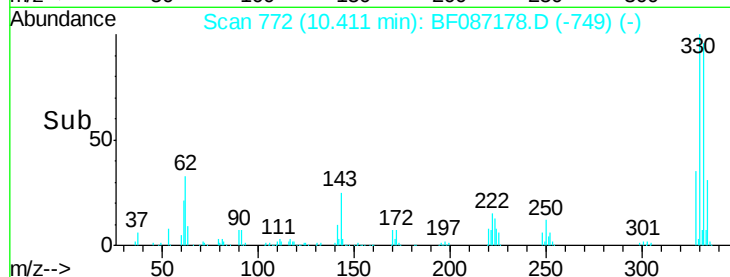
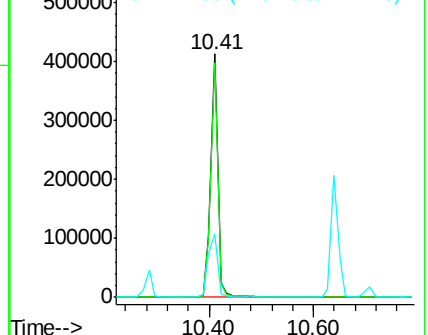
330 100

332 96.0 79.0 118.4

141 34.4 31.2 46.8



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: 45.74 ng

RT: 8.87 min Scan# 637

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

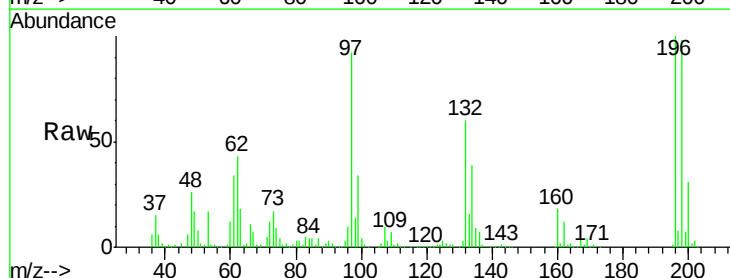
Tgt Ion:196 Resp: 208935

Ion Ratio Lower Upper

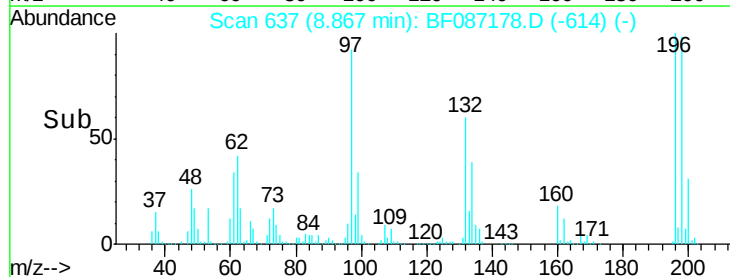
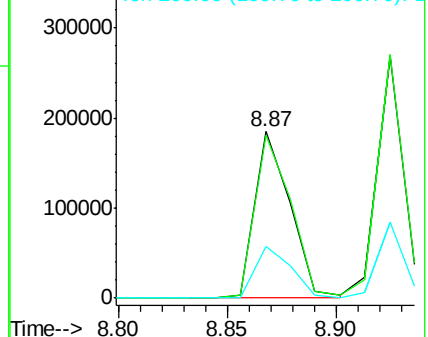
196 100

198 97.8 74.7 112.1

200 30.8 23.8 35.6



Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 200.00 (199.70 to 200.70): E

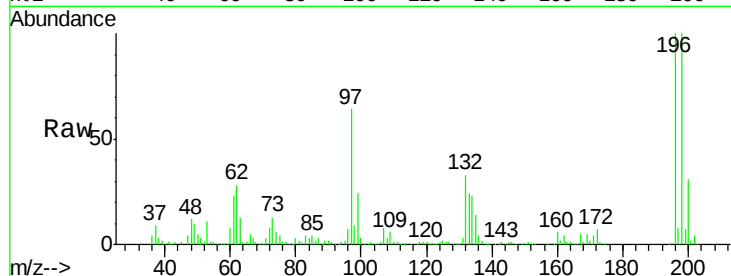




#43
 2,4,5-Trichlorophenol
 Concen: 50.16 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	100.3	77.5	116.3
97	64.2	34.8	52.2
132	33.5	23.0	34.4



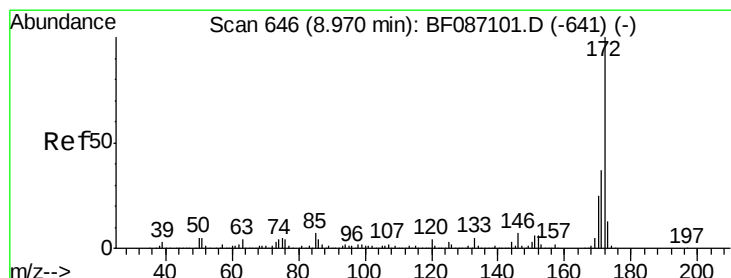
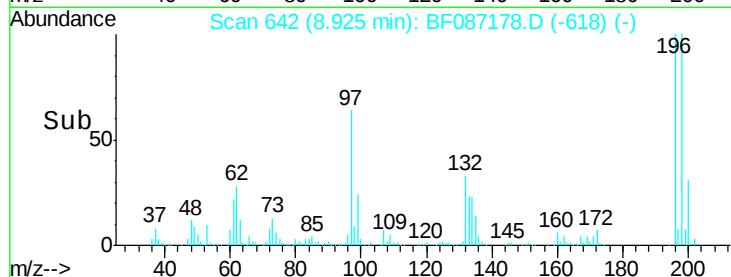
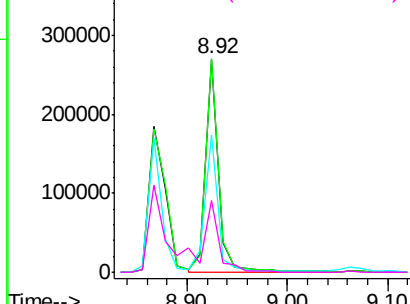
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

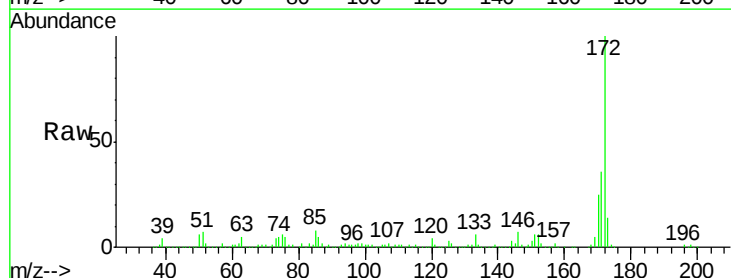
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 92.75 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.6	19.8	29.8

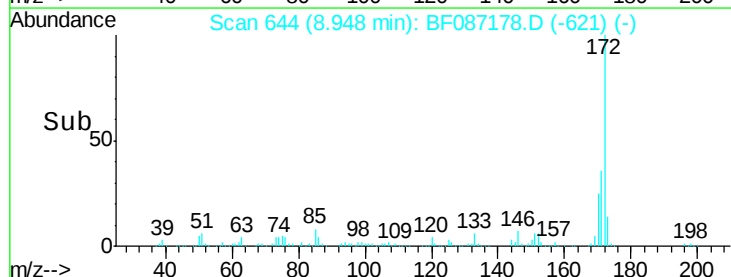
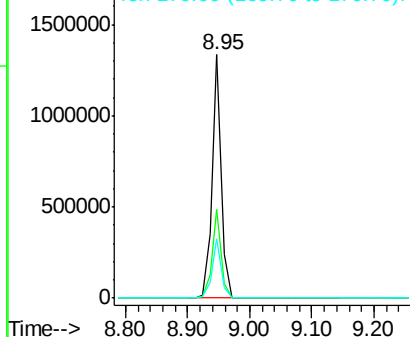


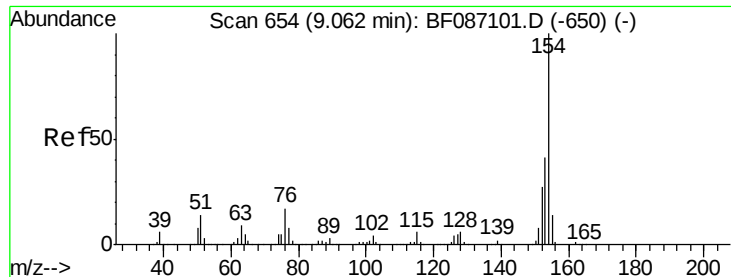
Abundance

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

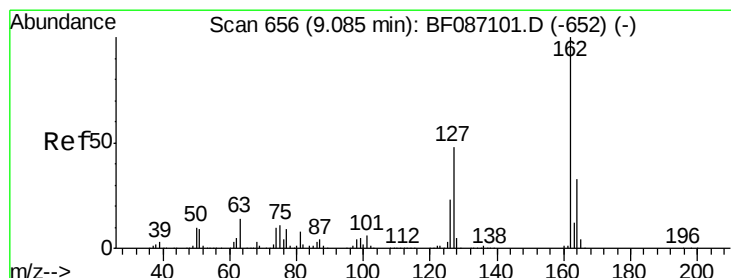
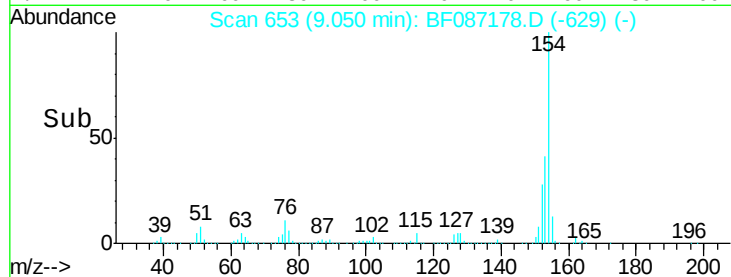
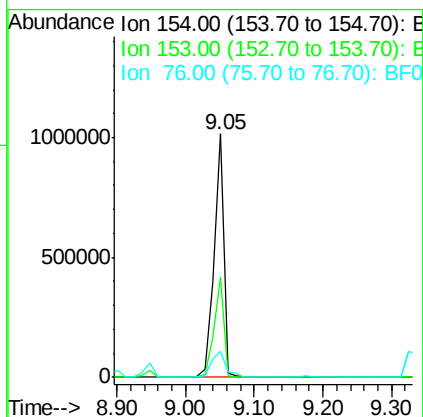
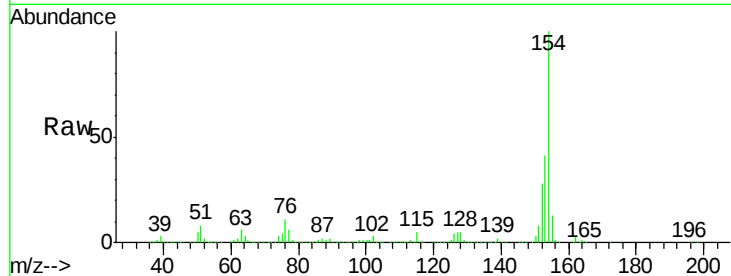




#45
 1,1'-Biphenyl
 Concen: 50.78 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

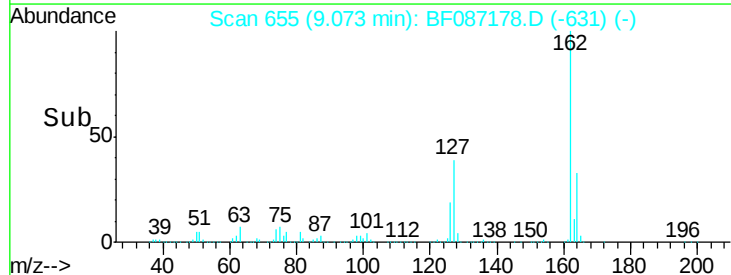
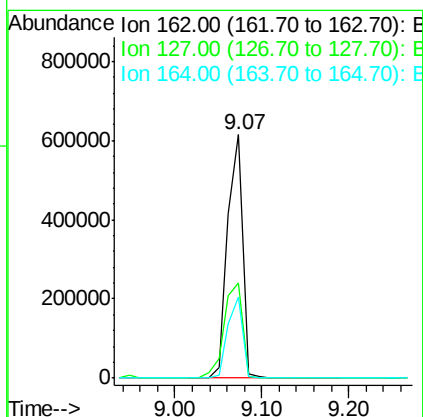
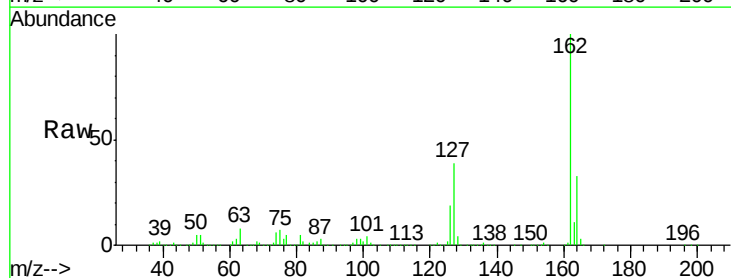
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

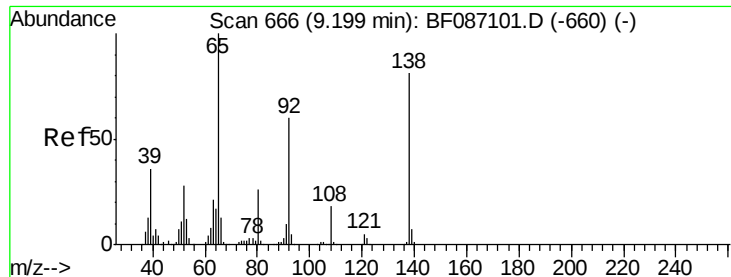
Tot Ion:154 Resp: 1015378
 Ion Ratio Lower Upper
 154 100
 153 41.1 20.3 60.3
 76 10.9 0.0 30.2



#46
 2-Chloronaphthalene
 Concen: 48.23 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:162 Resp: 740323
 Ion Ratio Lower Upper
 162 100
 127 39.2 31.8 47.6
 164 33.1 27.0 40.6





#47

2-Nitroaniline

Concen: 48.90 ng

RT: 9.18 min Scan# 664

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

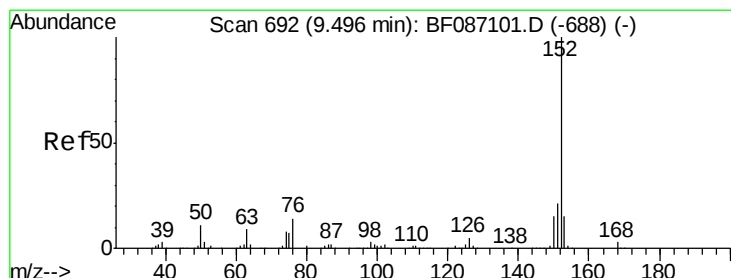
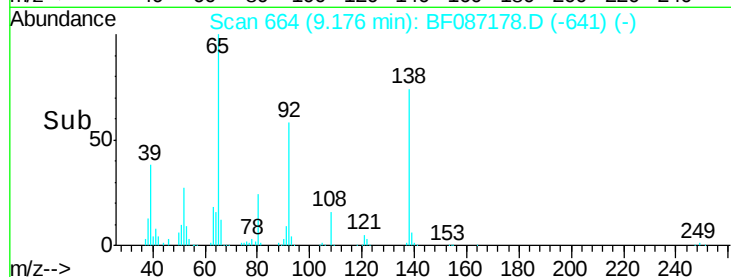
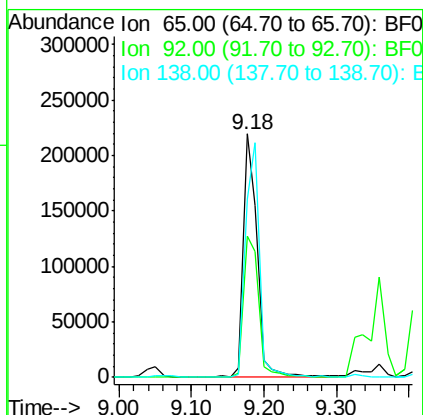
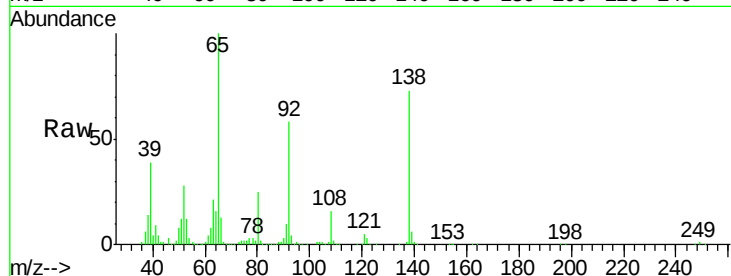
Tot Ion: 65 Resp: 287636

Ion Ratio Lower Upper

65 100

92 57.9 57.4 86.2

138 73.3 90.1 135.1#



#48

Acenaphthylene

Concen: 46.84 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

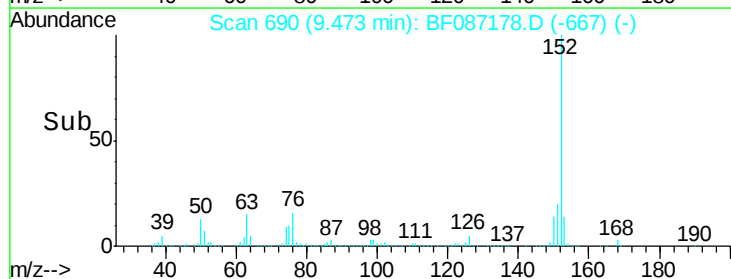
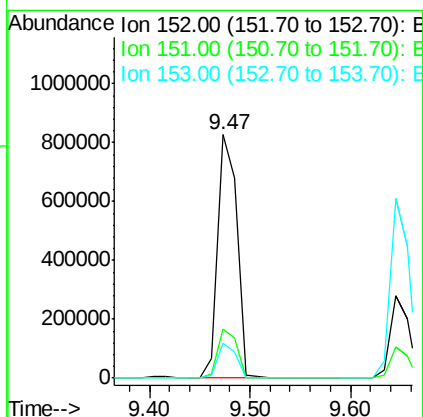
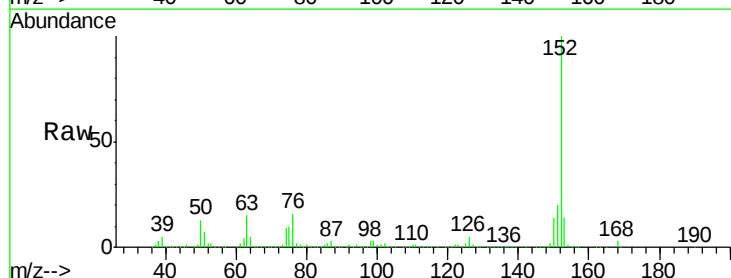
Tgt Ion:152 Resp: 1097892

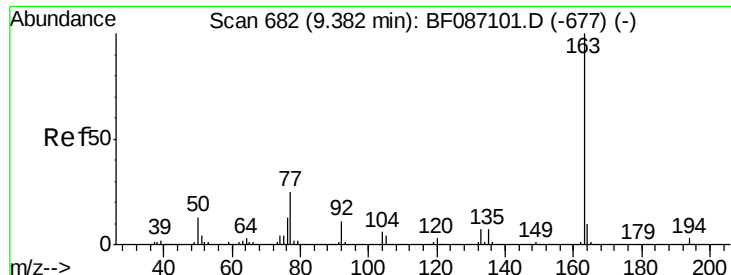
Ion Ratio Lower Upper

152 100

151 20.1 16.8 25.2

153 14.4 10.9 16.3

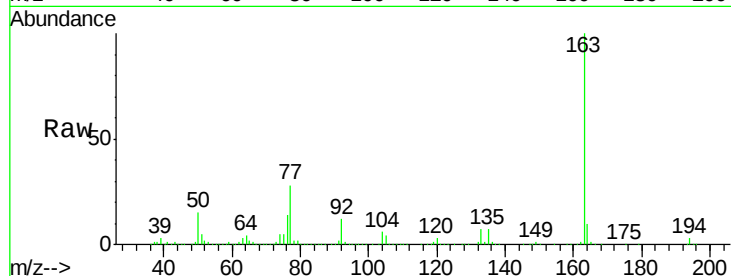




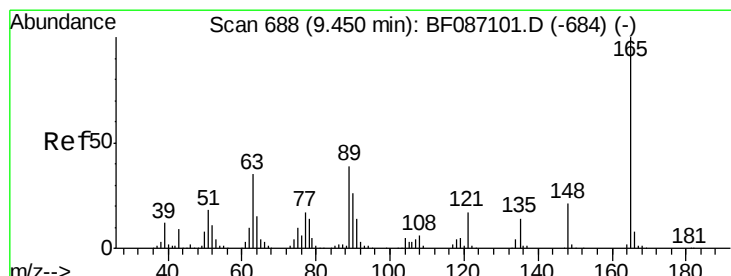
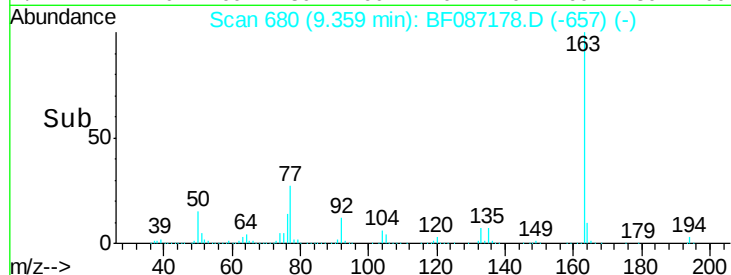
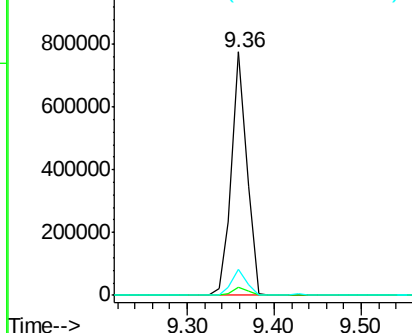
#49
Dimethylphthalate
Concen: 51.95 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion:163 Resp: 955673
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.5 8.2 12.4

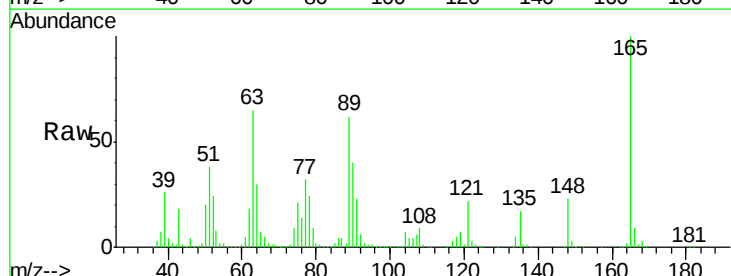


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

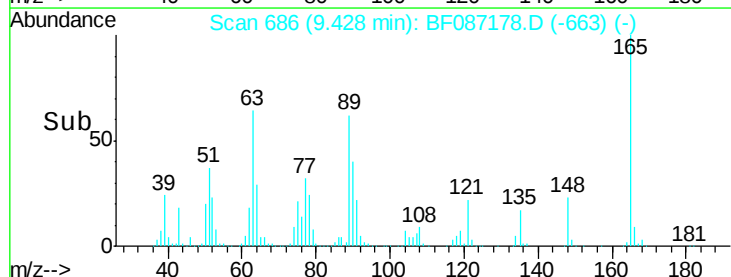
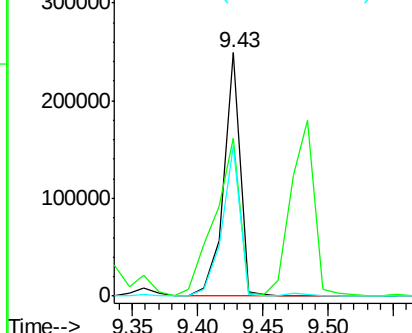


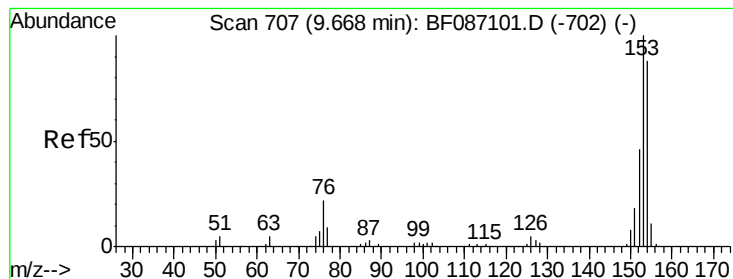
#50
2,6-Dinitrotoluene
Concen: 55.24 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:165 Resp: 220658
Ion Ratio Lower Upper
165 100
63 65.0 51.8 77.8
89 61.7 50.7 76.1



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





#51

Acenaphthene

Concen: 46.44 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

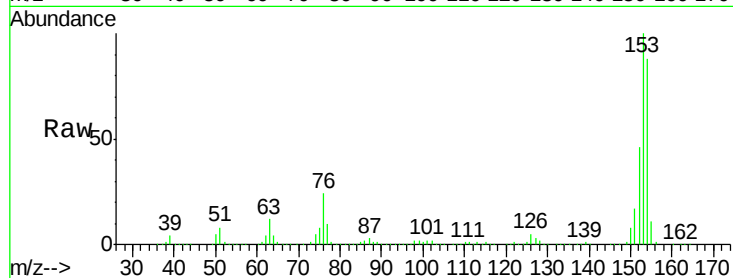
Tot Ion:154 Resp: 680077

Ion Ratio Lower Upper

154 100

153 113.6 89.8 134.6

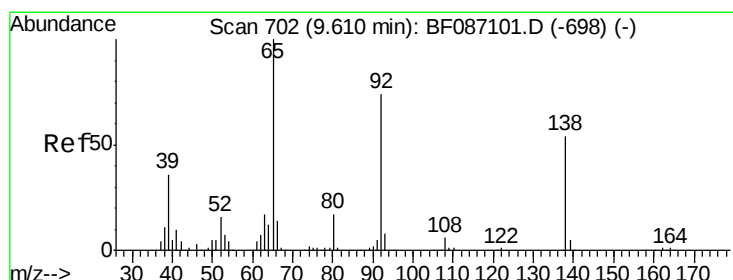
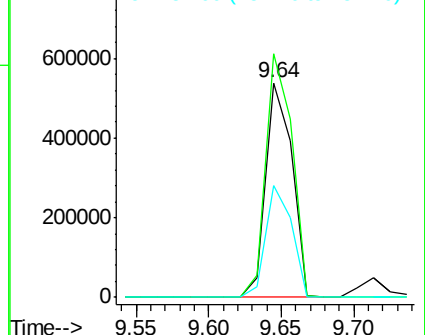
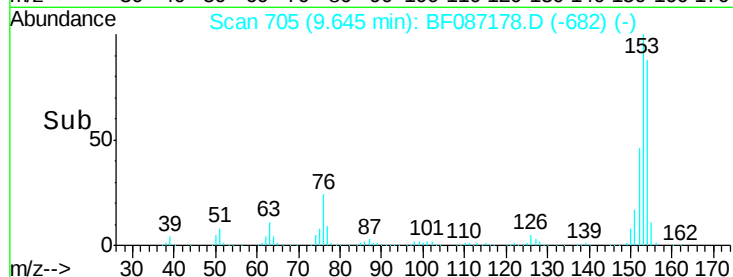
152 52.1 43.4 65.0



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: 39.04 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

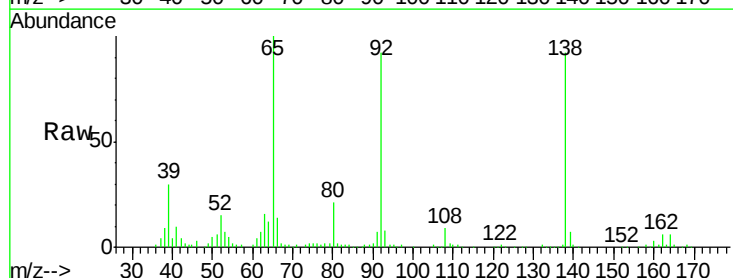
Tgt Ion:138 Resp: 168794

Ion Ratio Lower Upper

138 100

108 9.6 7.8 11.6

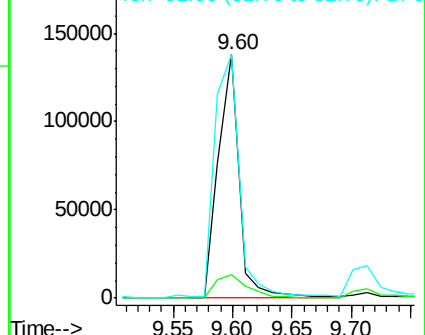
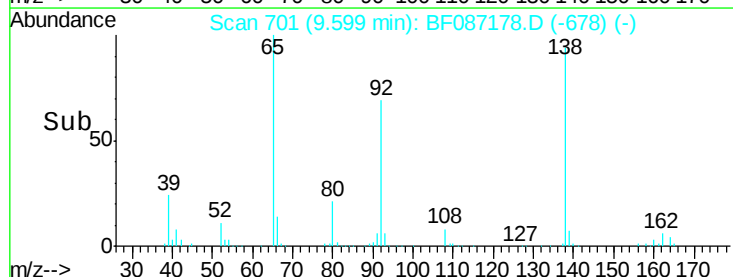
92 100.1 87.8 131.8

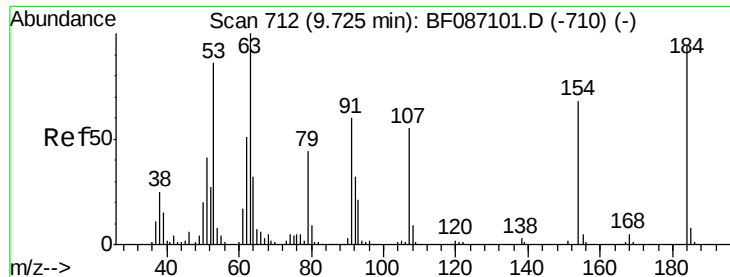


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

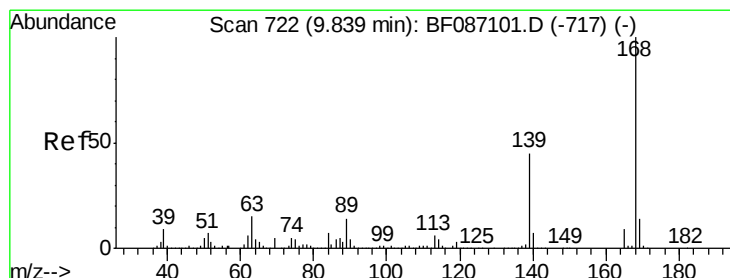
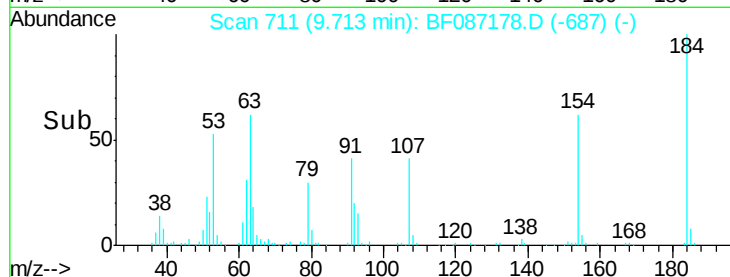
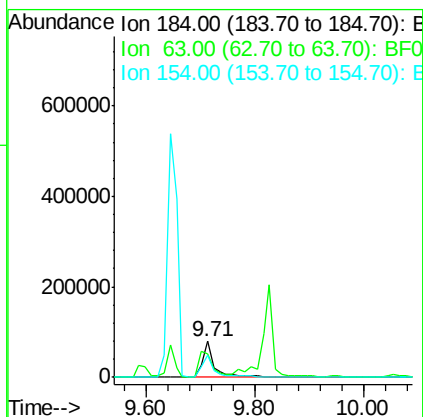
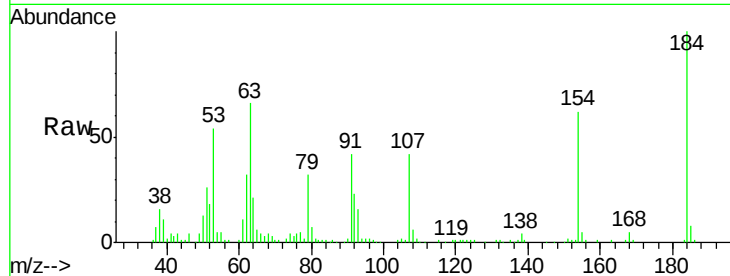




#53
 2,4-Dinitrophenol
 Concen: 55.33 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

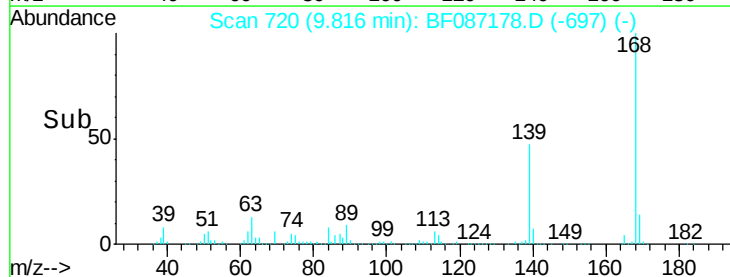
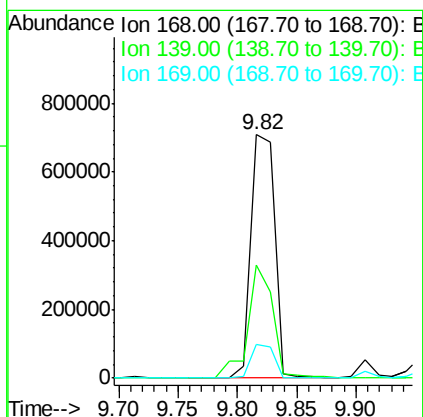
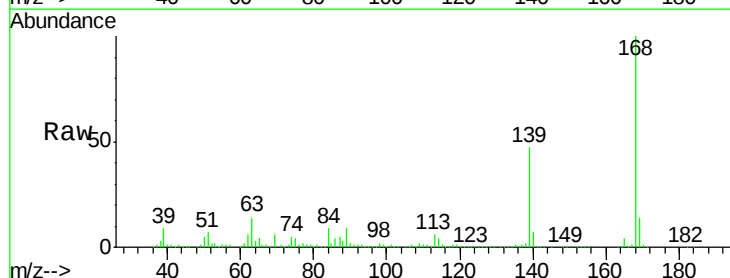
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

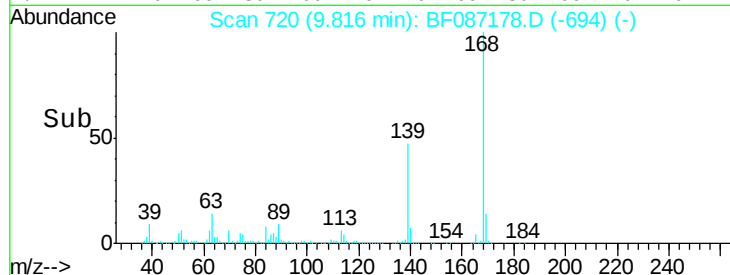
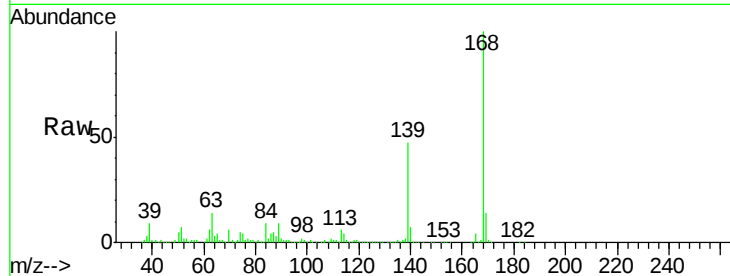
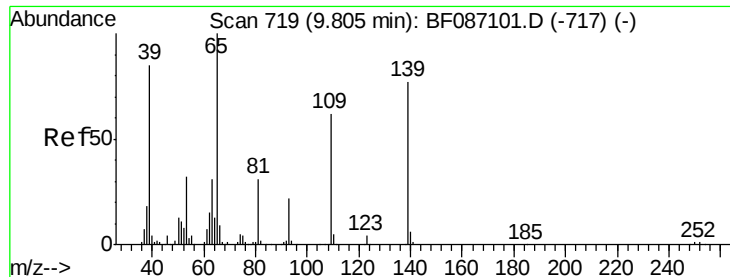
Tot Ion:184 Resp: 123091
 Ion Ratio Lower Upper
 184 100
 63 66.3 55.8 83.8
 154 62.1 62.4 93.6#



#54
 Dibenzofuran
 Concen: 52.59 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:168 Resp: 995959
 Ion Ratio Lower Upper
 168 100
 139 46.7 31.4 47.0
 169 14.0 10.7 16.1

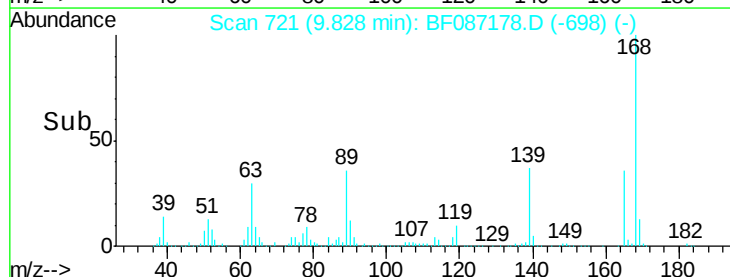
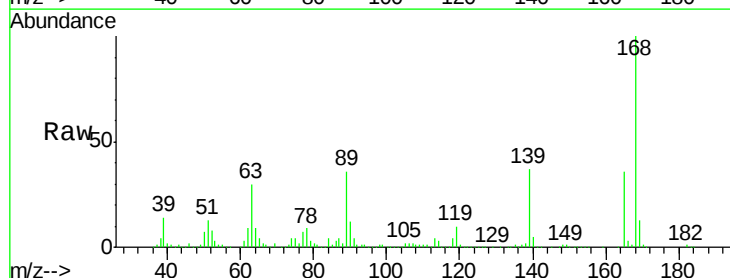
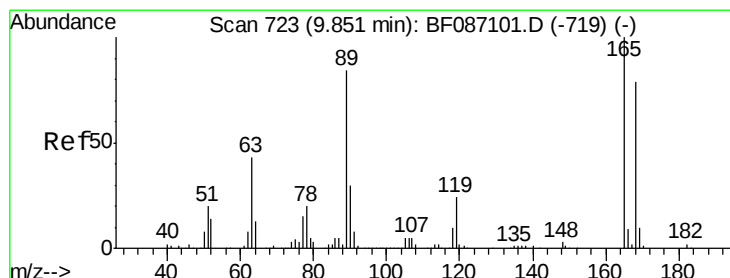
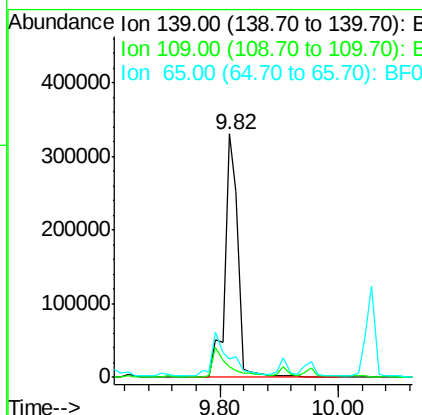




#55
4-Nitrophenol
Concen: 117.61 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

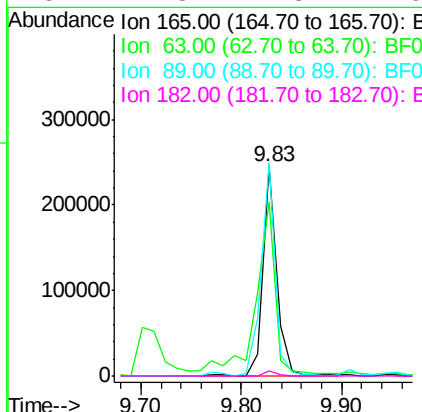
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

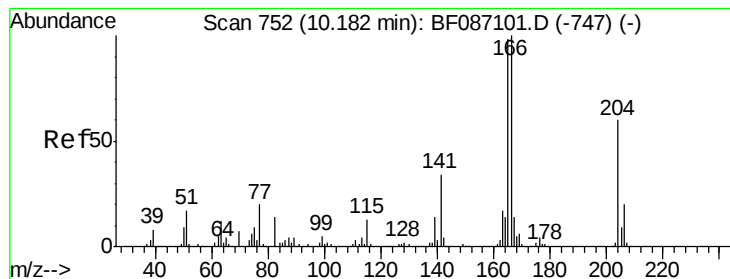
Tot Ion:139 Resp: 500749
Ion Ratio Lower Upper
139 100
109 4.2 36.9 76.9#
65 7.5 64.0 104.0#



#56
2,4-Dinitrotoluene
Concen: 45.92 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:165 Resp: 234934
Ion Ratio Lower Upper
165 100
63 83.1 44.3 66.5#
89 101.9 70.0 105.0
182 2.3 1.8 2.6





#57

Fluorene

Concen: 47.26 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

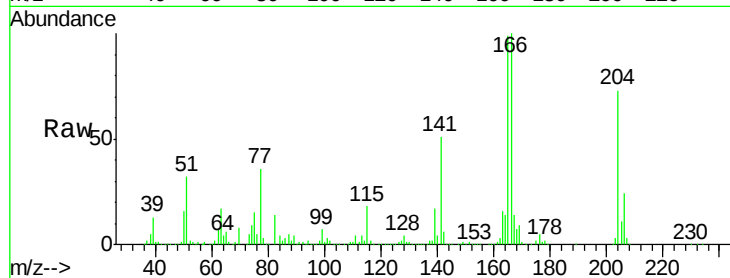
Tot Ion:166 Resp: 719067

Ion Ratio Lower Upper

166 100

165 98.9 79.0 118.6

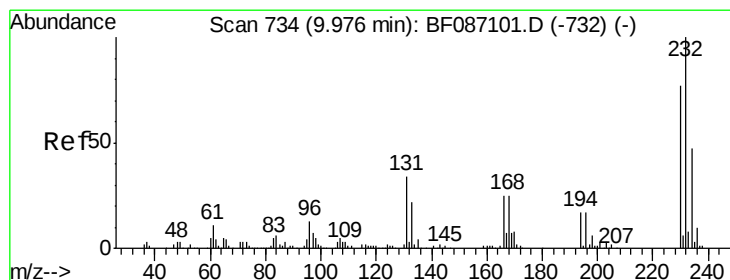
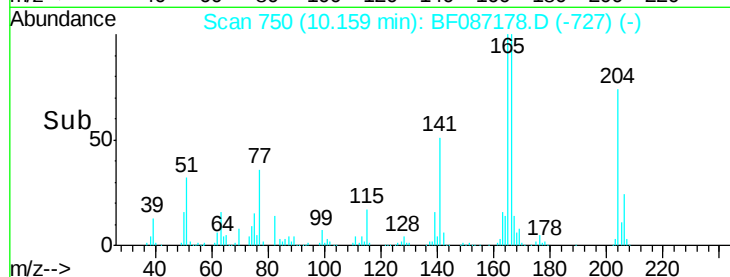
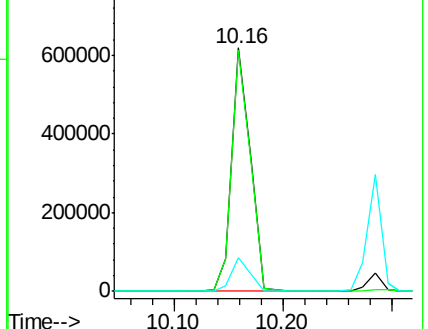
167 13.8 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.20 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:232 Resp: 204004

Ion Ratio Lower Upper

232 100

131 51.9 41.9 62.9

130 2.9 2.2 3.4

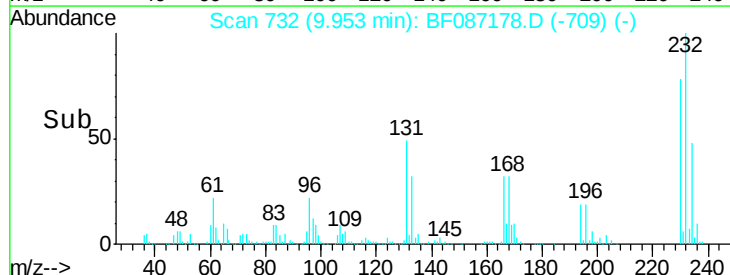
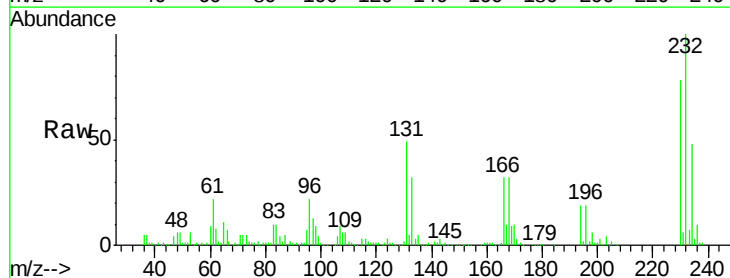
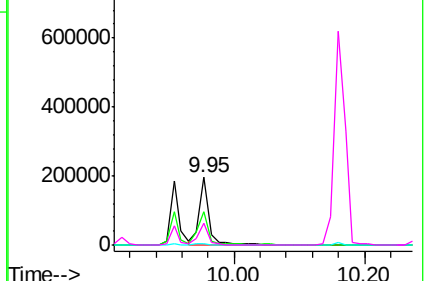
166 30.9 26.8 40.2

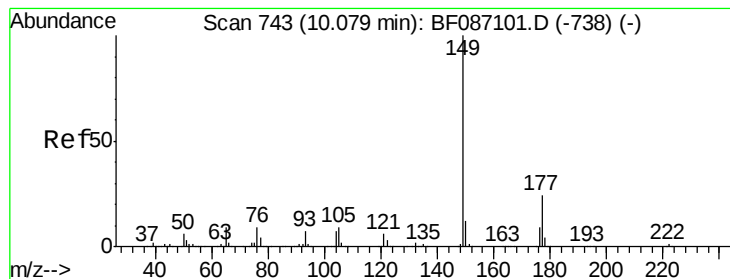
Abundance Ion 232.00 (231.70 to 232.70): E

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: 55.84 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

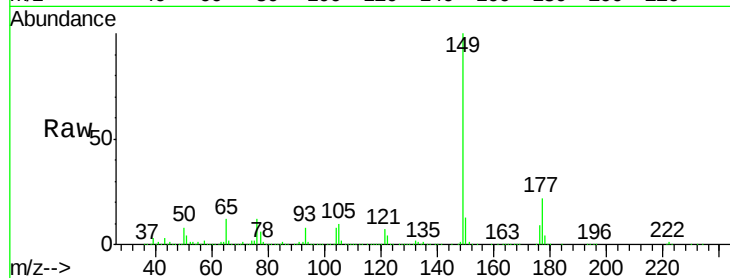
Tot Ion:149 Resp: 980718

Ion Ratio Lower Upper

149 100

177 21.7 16.6 24.8

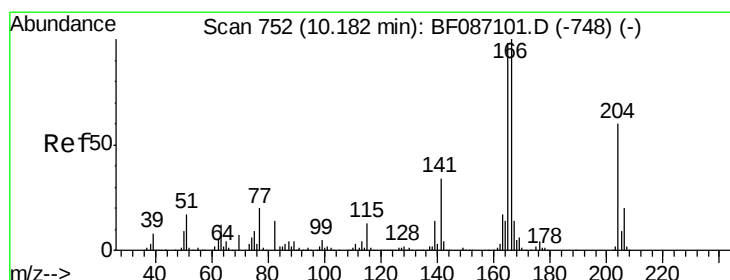
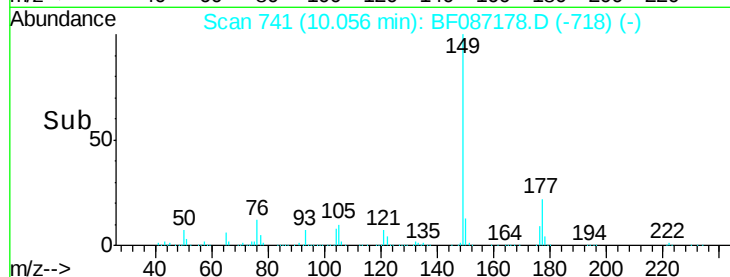
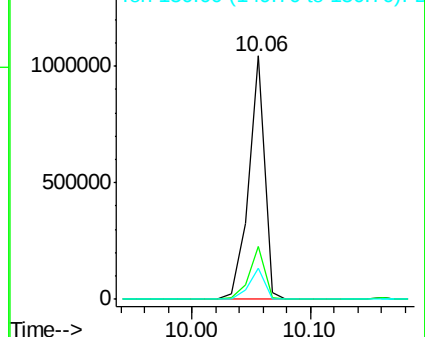
150 12.8 10.0 15.0



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: 51.58 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

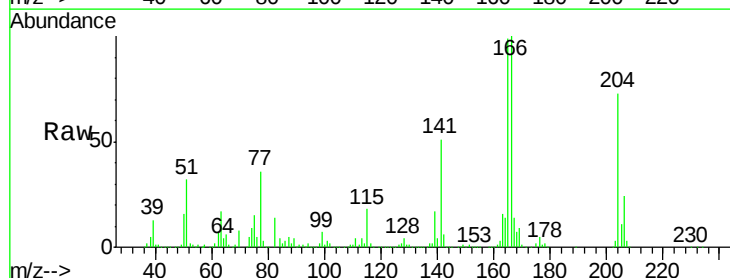
Tgt Ion:204 Resp: 372013

Ion Ratio Lower Upper

204 100

206 32.9 25.4 38.0

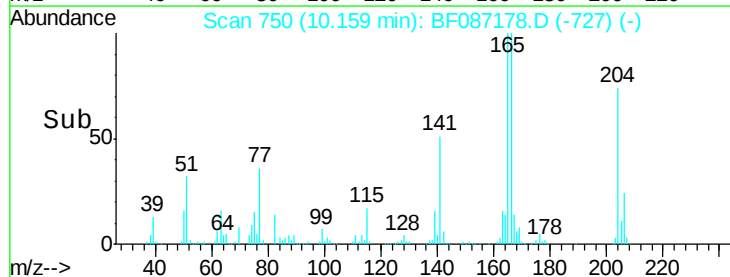
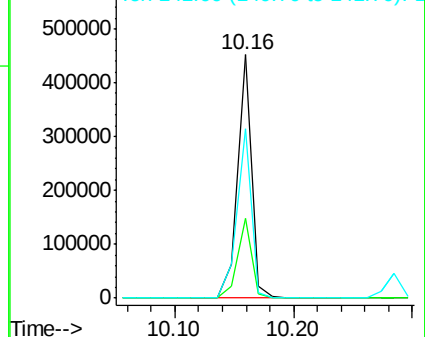
141 69.7 61.6 92.4

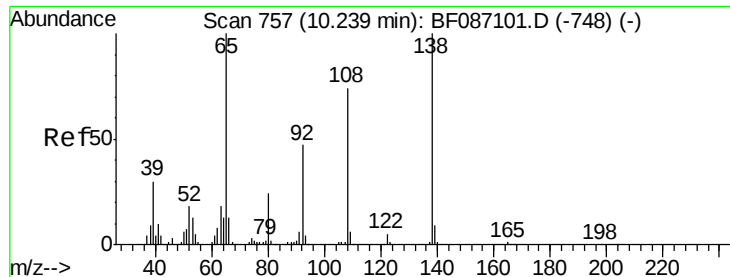


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 44.25 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

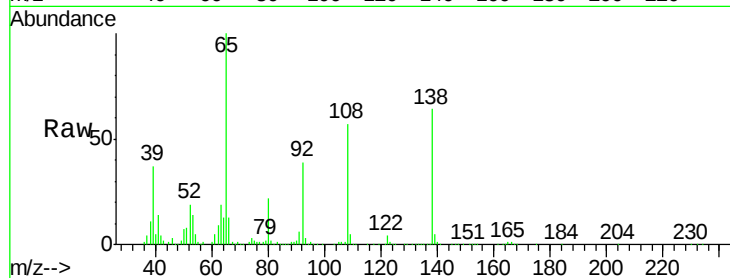
Tot Ion:138 Resp: 188900

Ion Ratio Lower Upper

138 100

92 60.8 24.7 64.7

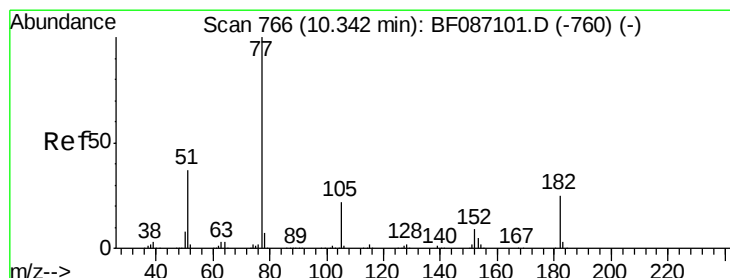
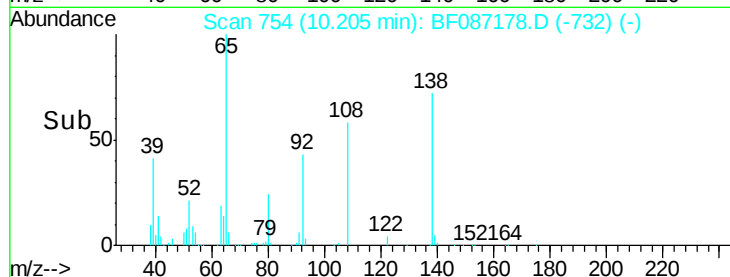
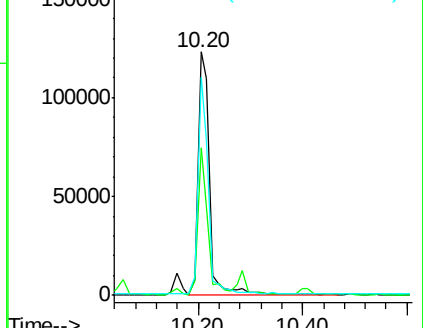
108 89.6 37.4 77.4#



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: 54.74 ng

RT: 10.32 min Scan# 764

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion: 77 Resp: 1107674

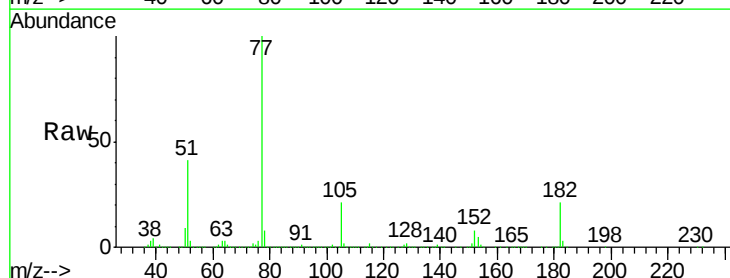
Ion Ratio Lower Upper

77 100

182 20.9 0.0 38.8

105 21.1 3.2 43.2

51 41.2 8.8 48.8

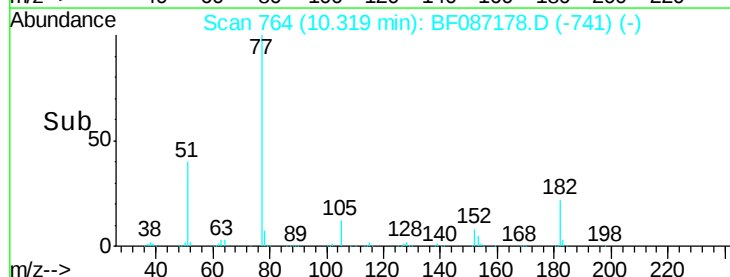
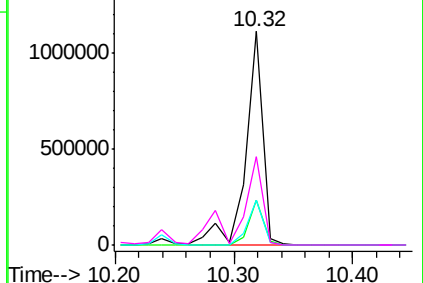


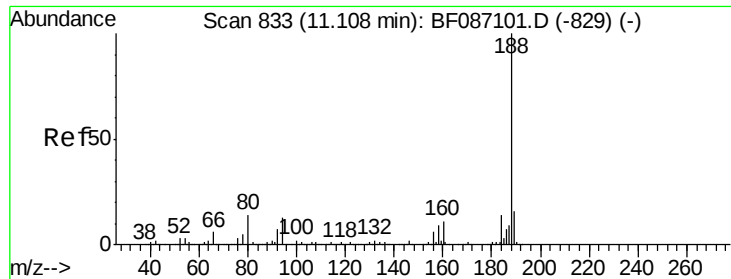
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

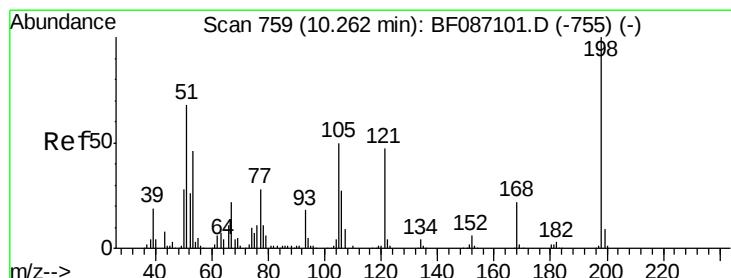
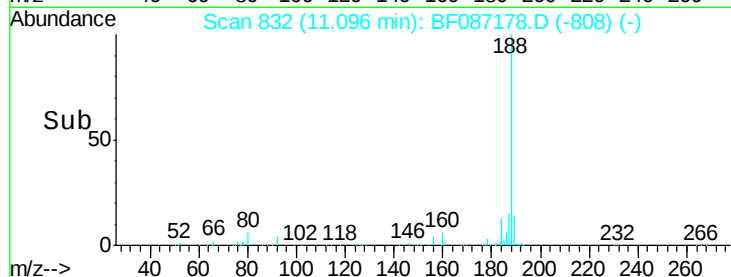
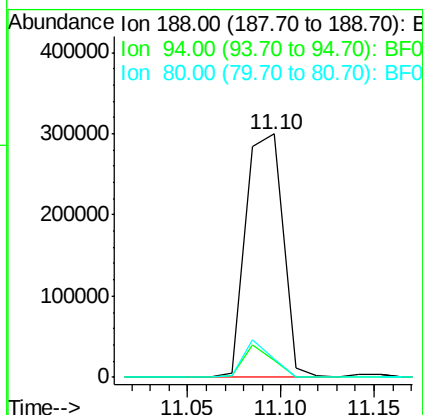
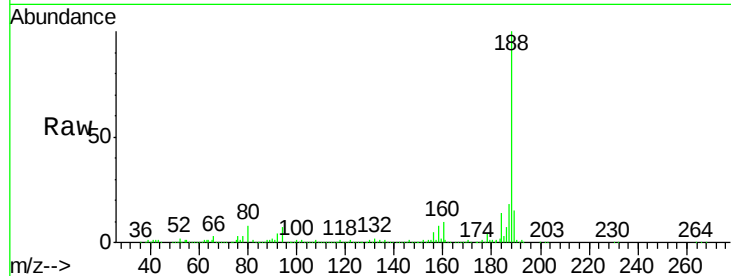




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

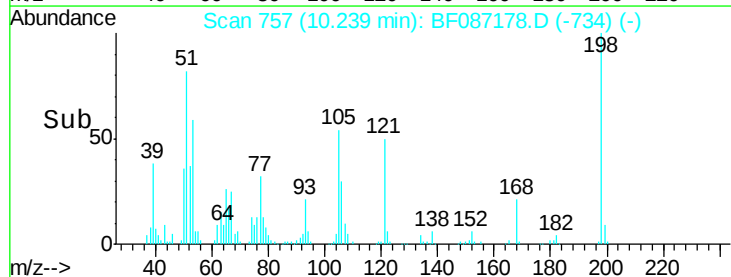
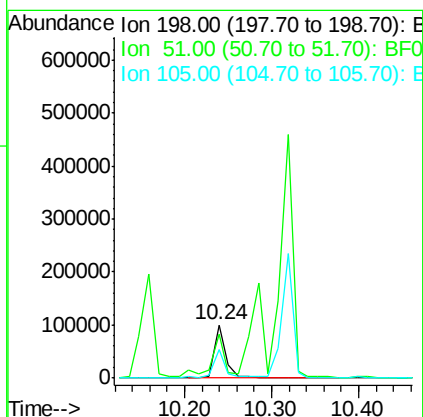
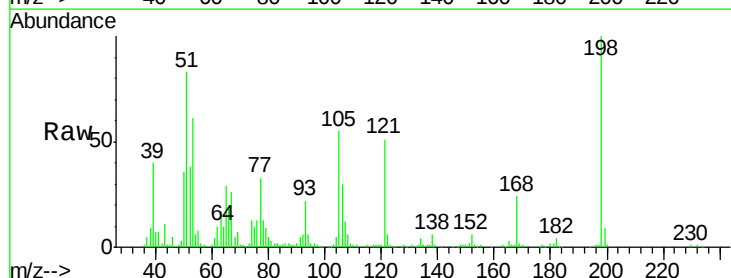
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

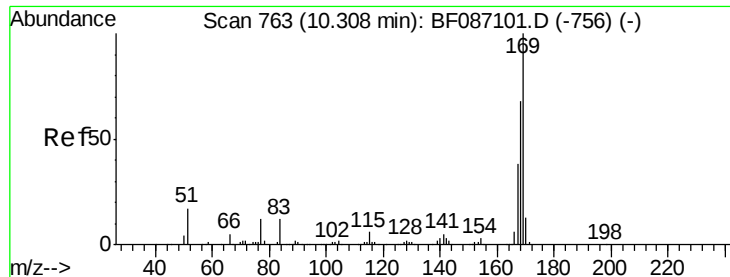
Tot Ion:188 Resp: 413083
Ion Ratio Lower Upper
188 100
94 7.1 6.8 10.2
80 7.5 7.1 10.7



#64
4,6-Dinitro-2-methylphenol
Concen: 36.24 ng
RT: 10.24 min Scan# 757
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:198 Resp: 98603
Ion Ratio Lower Upper
198 100
51 82.6 20.5 60.5#
105 54.7 24.5 64.5





#65

n-Nitrosodiphenylamine

Concen: 55.90 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

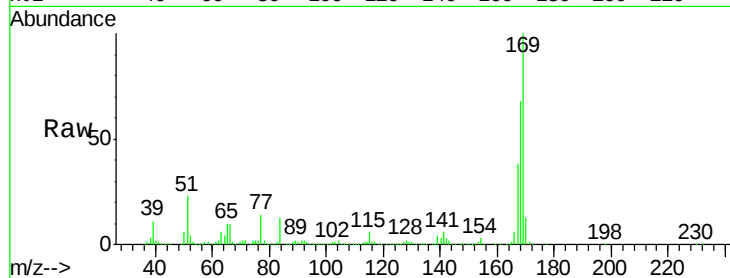
Tot Ion:169 Resp: 726713

Ion Ratio Lower Upper

169 100

168 67.8 53.8 80.6

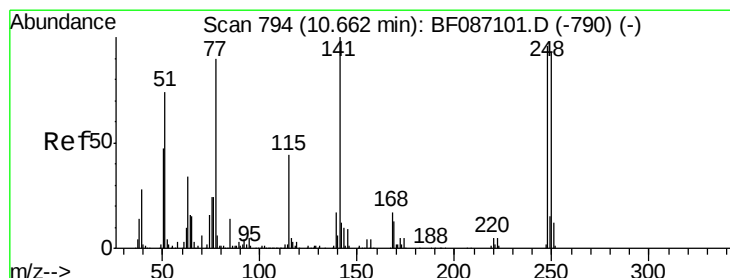
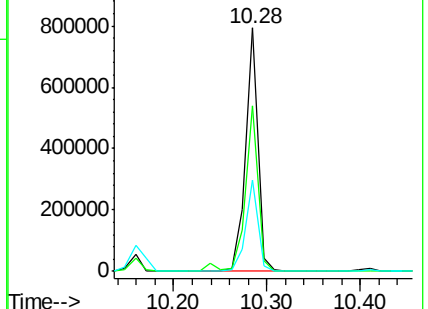
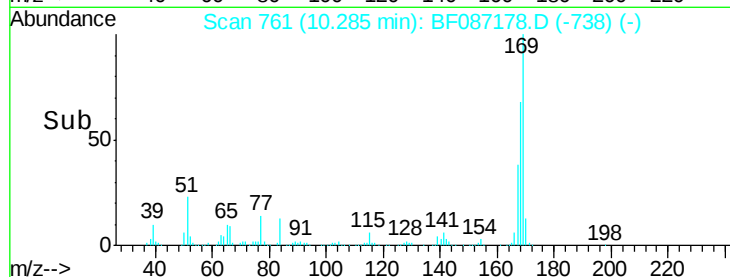
167 37.5 29.5 44.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 53.58 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

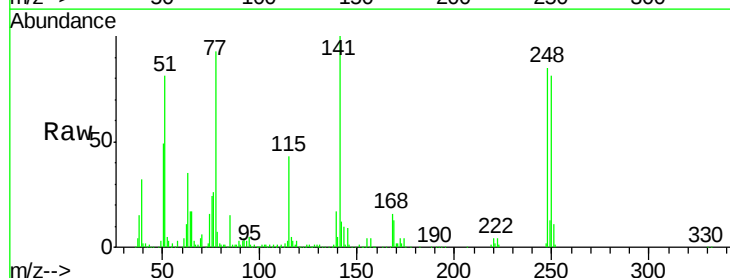
Tgt Ion:248 Resp: 227607

Ion Ratio Lower Upper

248 100

250 95.6 78.6 117.8

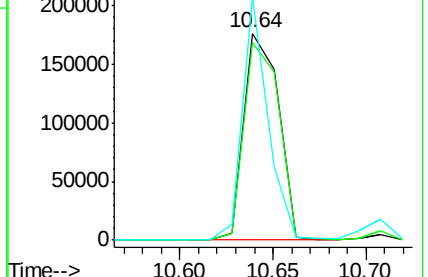
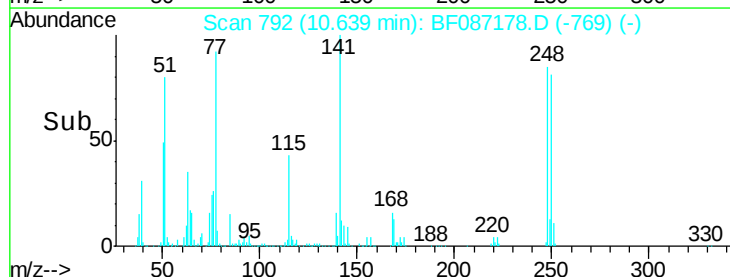
141 117.7 76.0 114.0#

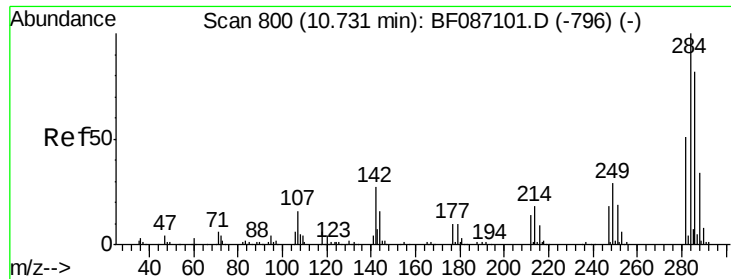


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

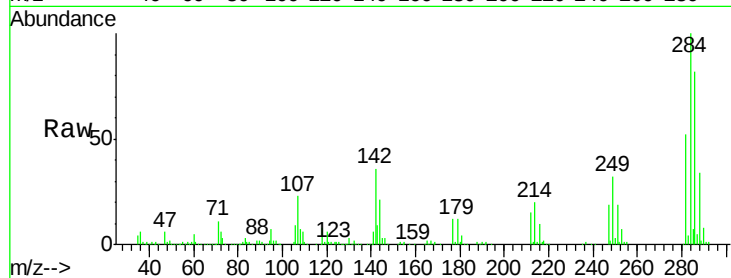




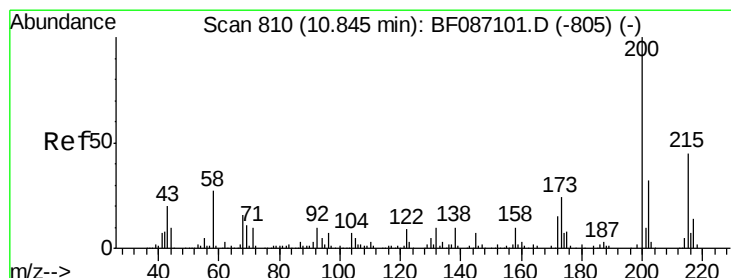
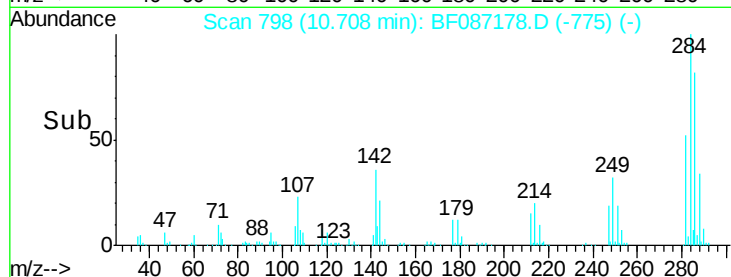
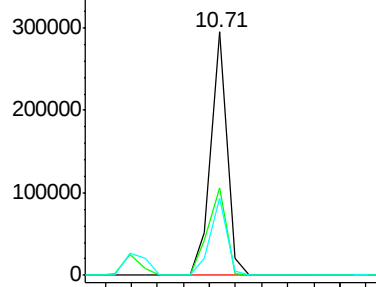
#67
Hexachlorobenzene
Concen: 51.63 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	35.9	16.7	25.1#
249	31.7	21.3	31.9

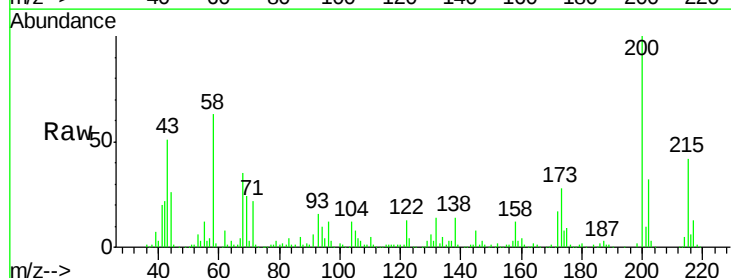


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

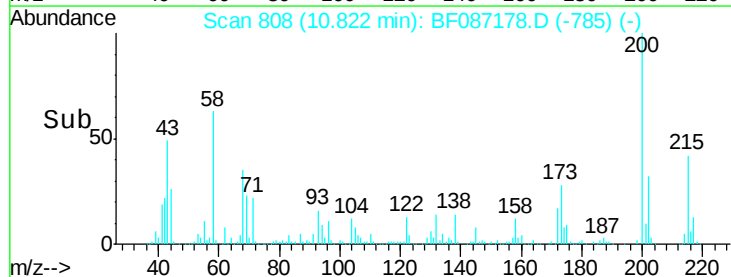
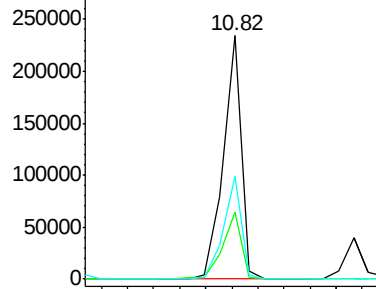


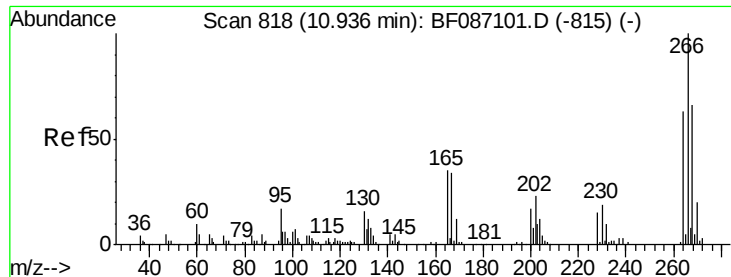
#68
Atrazine
Concen: 52.96 ng
RT: 10.82 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.5	48.5
215	42.4	27.2	67.2



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

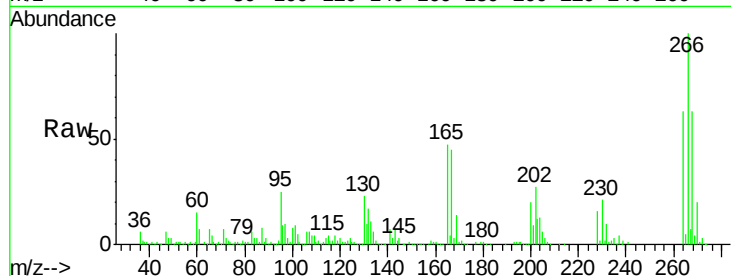




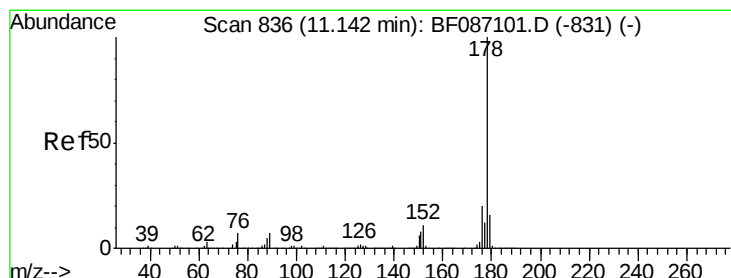
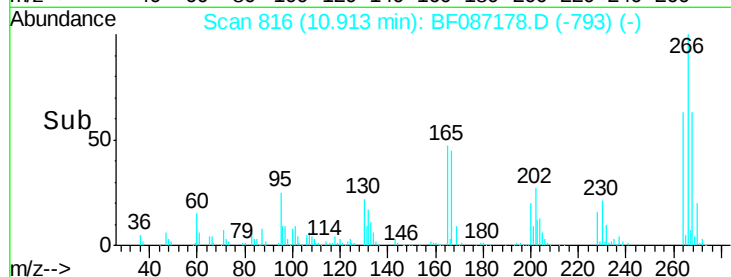
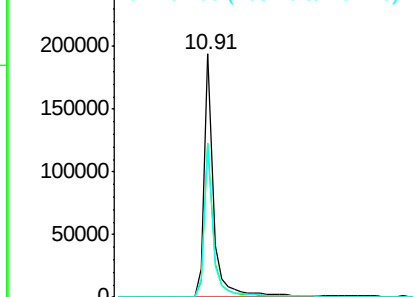
#69
 Pentachlorophenol
 Concen: 119.50 ng
 RT: 10.91 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion:266 Resp: 221091
 Ion Ratio Lower Upper
 266 100
 268 63.5 51.5 77.3
 264 63.2 52.9 79.3

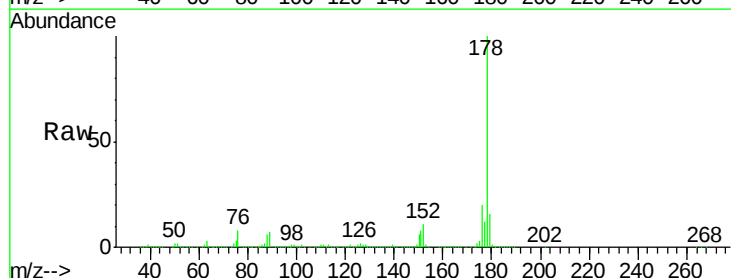


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

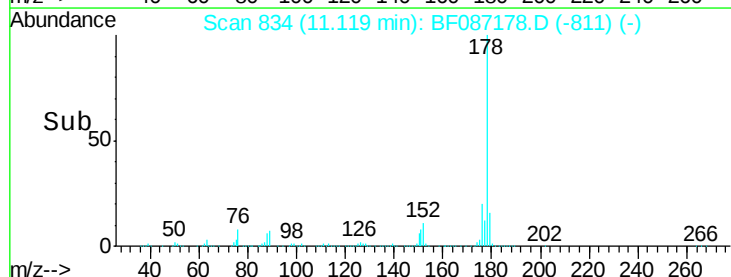
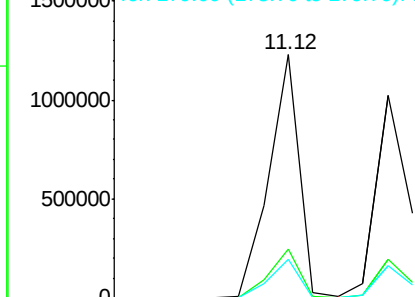


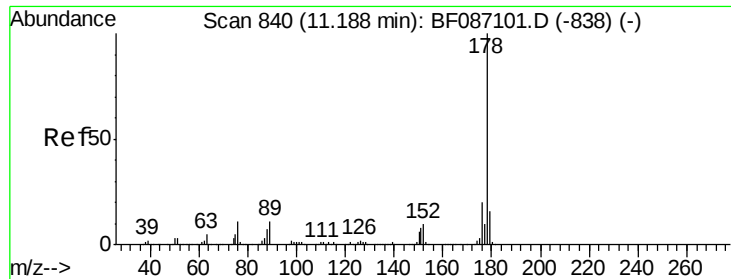
#70
 Phenanthrene
 Concen: 53.40 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:178 Resp: 1196275
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.0 24.0
 179 15.9 12.6 18.8



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

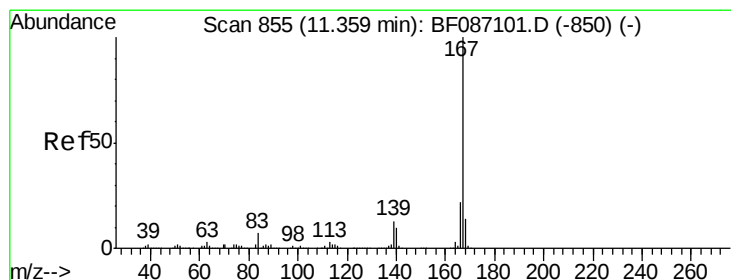
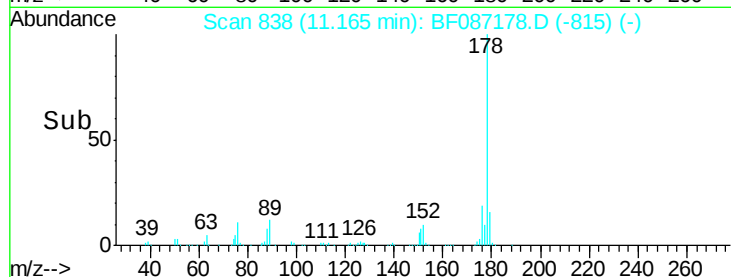
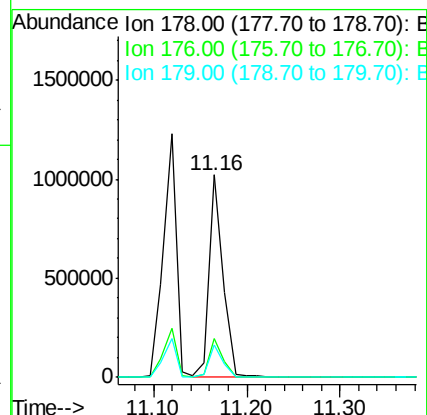
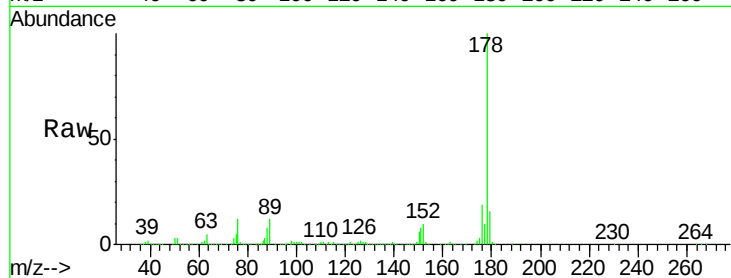




#71
 Anthracene
 Concen: 47.09 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

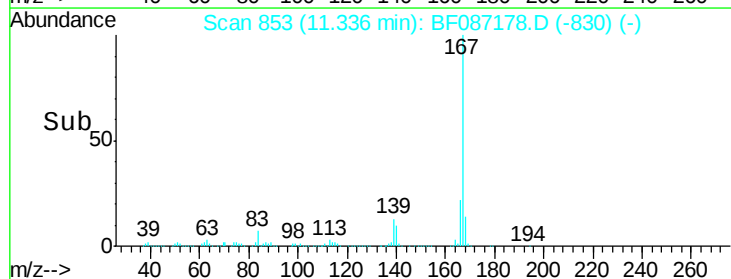
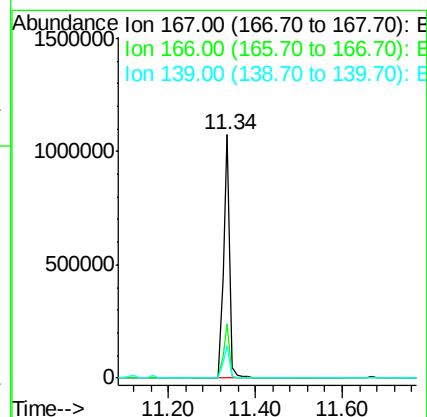
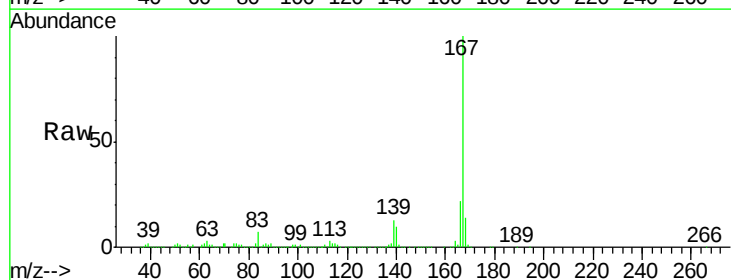
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

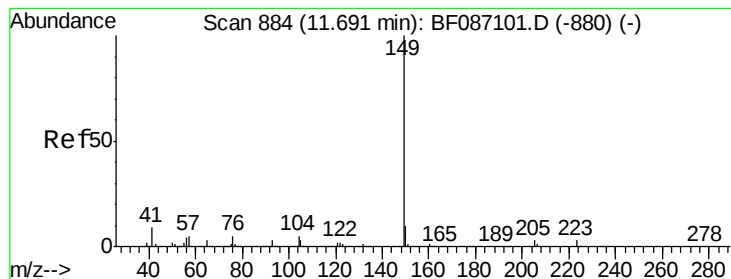
Tot Ion:178 Resp: 1067124
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.2 12.7 19.1



#72
 Carbazole
 Concen: 53.43 ng
 RT: 11.34 min Scan# 853
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:167 Resp: 1105963
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.4 10.8 16.2





#73

Di-n-butylphthalate

Concen: 57.78 ng

RT: 11.67 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

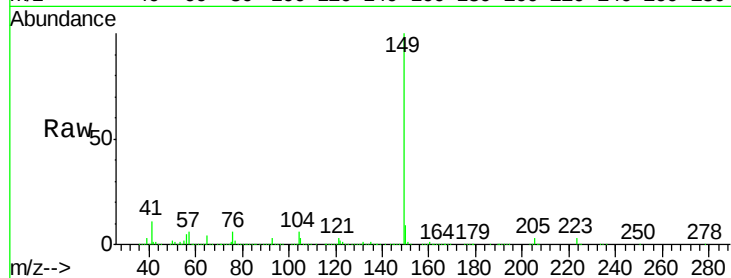
Tot Ion:149 Resp: 1373773

Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

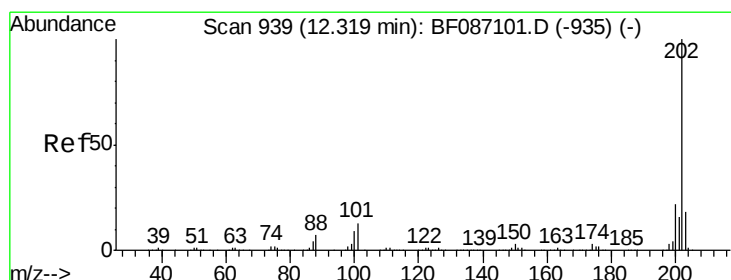
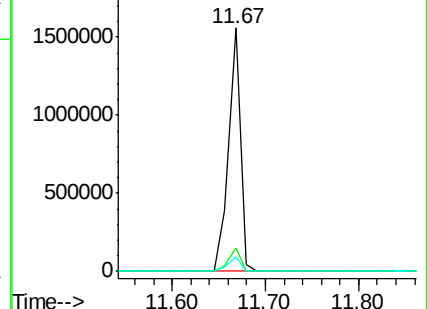
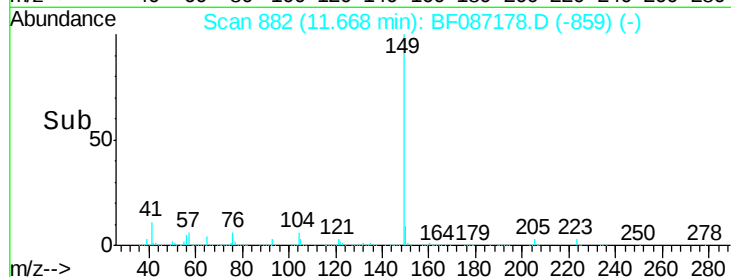
104 5.8 3.8 5.6#



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: 46.19 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

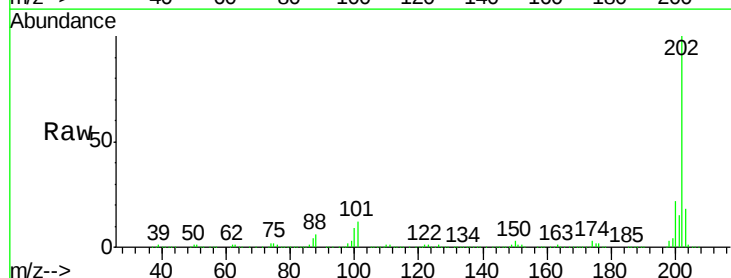
Tgt Ion:202 Resp: 1036907

Ion Ratio Lower Upper

202 100

101 11.7 0.0 35.4

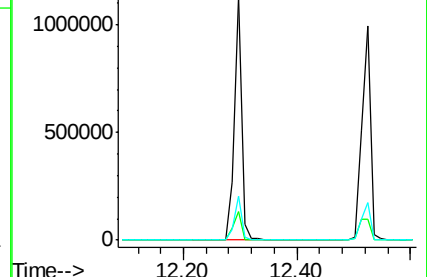
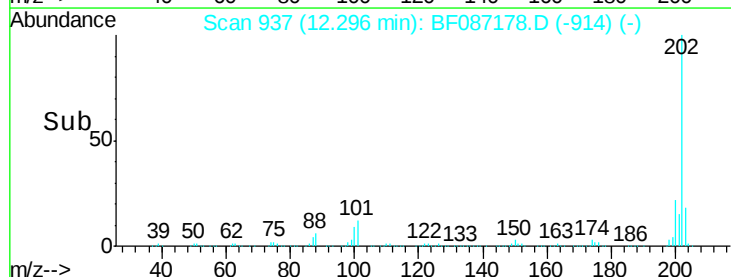
203 18.0 0.0 38.1

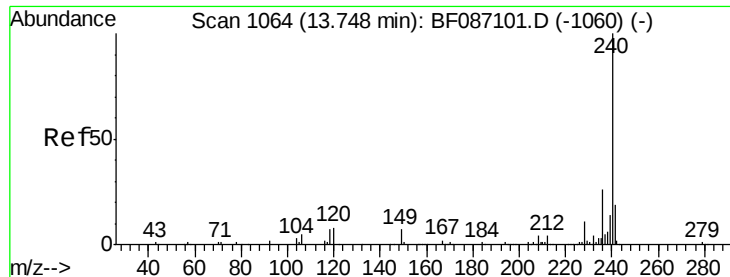


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

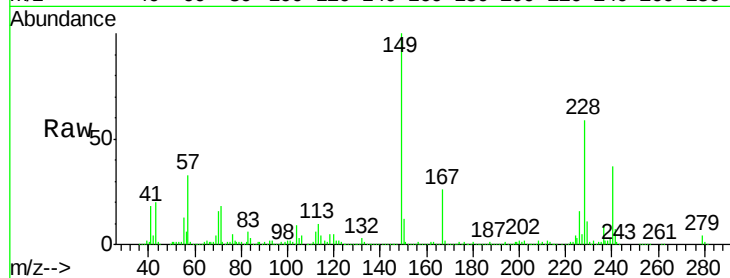
Tot Ion:240 Resp: 258995

Ion Ratio Lower Upper

240 100

120 14.5 11.2 16.8

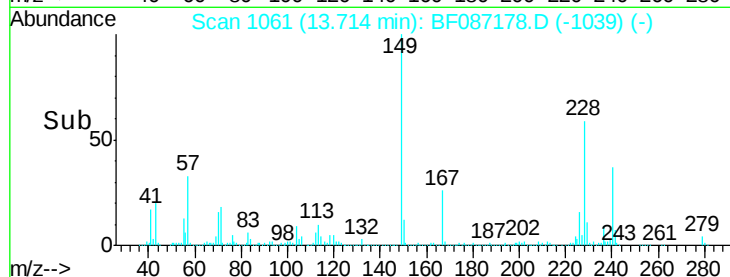
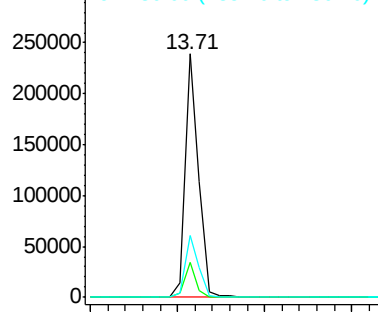
236 25.6 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 25.68 ng

RT: 12.43 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

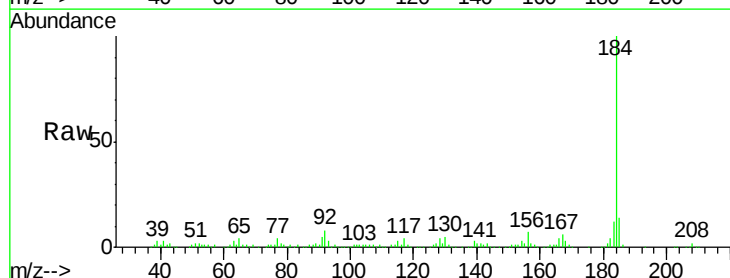
Tgt Ion:184 Resp: 209022

Ion Ratio Lower Upper

184 100

185 14.1 13.6 20.4

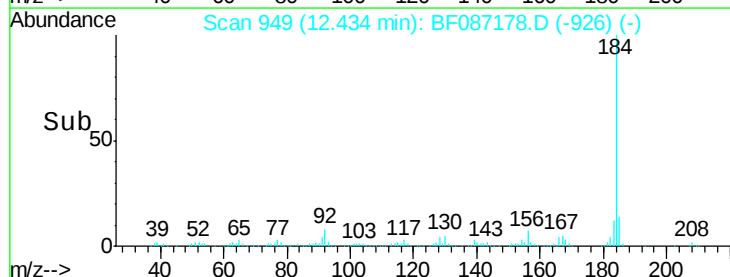
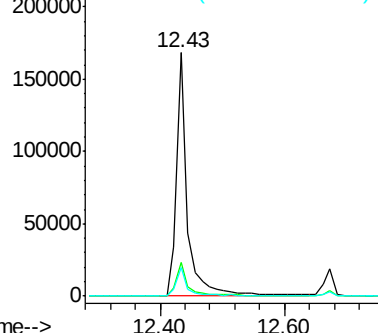
183 11.6 9.8 14.6

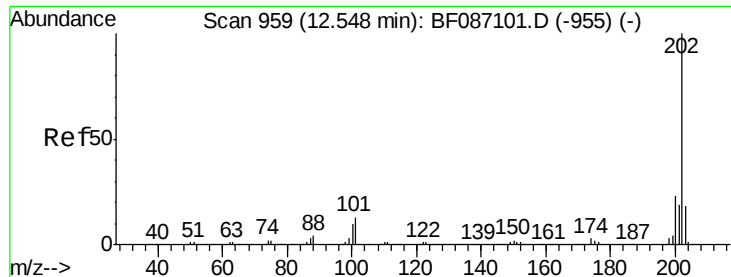


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

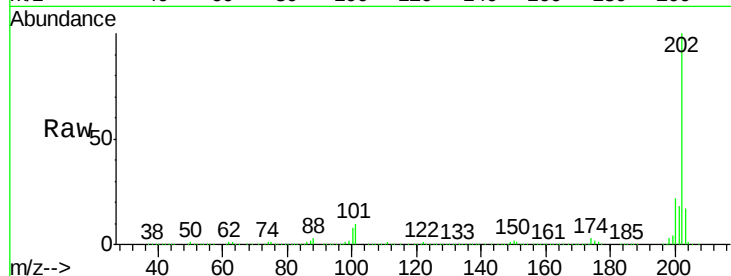




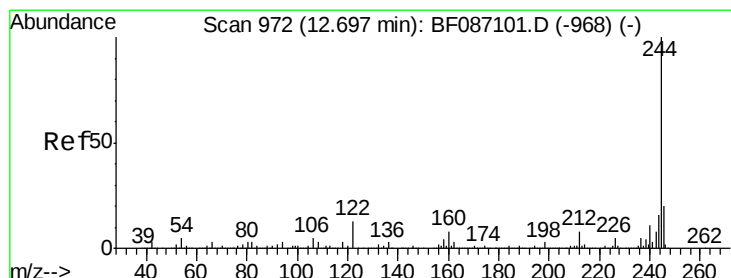
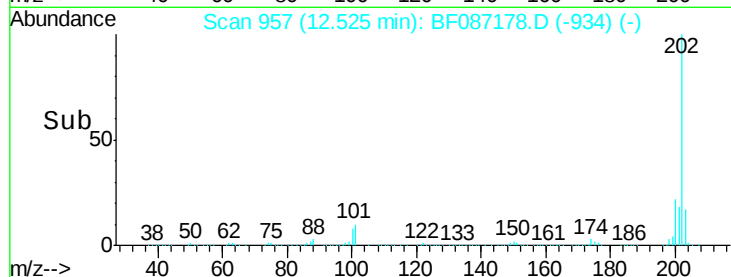
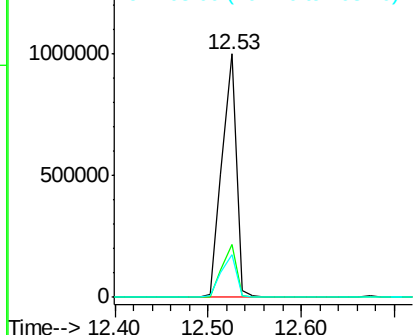
#77
Pvrene
Concen: 57.13 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion:202 Resp: 1068920
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 17.4 14.2 21.4

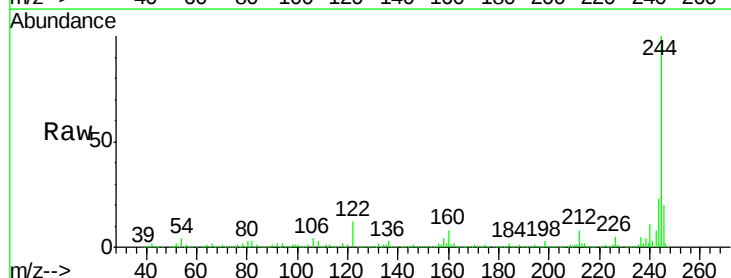


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

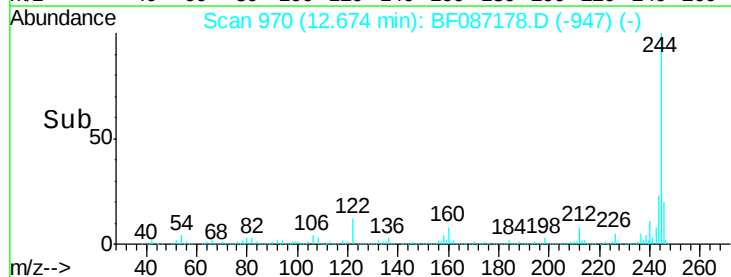
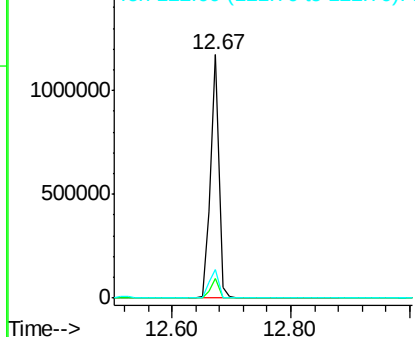


#78
Terphenyl-d14
Concen: 99.90 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:244 Resp: 1143739
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 11.8 12.0 18.0#



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

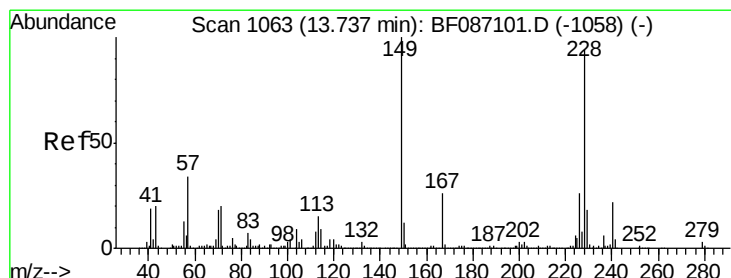
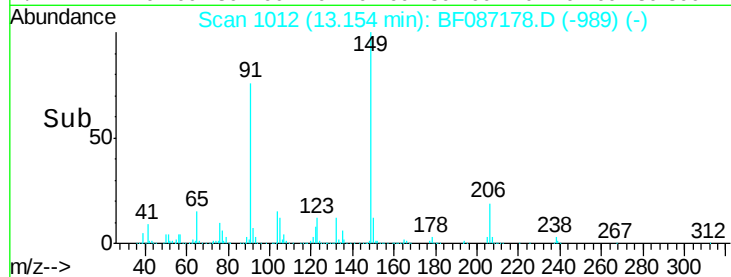
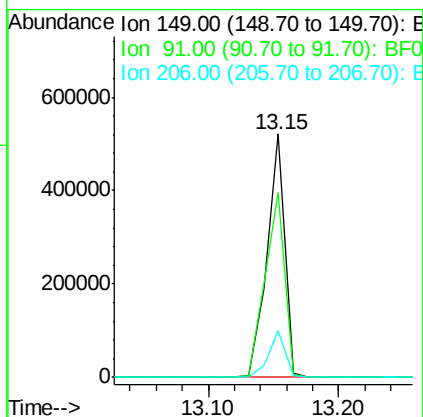
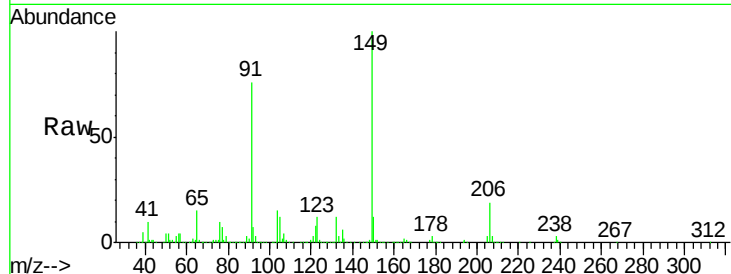




#79
Butylbenzylphthalate
Concen: 63.32 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

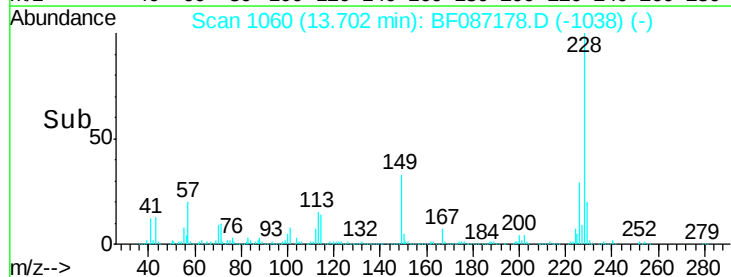
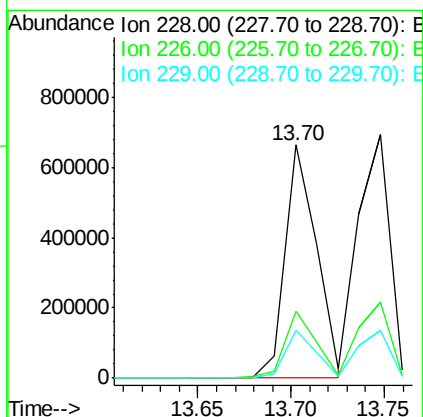
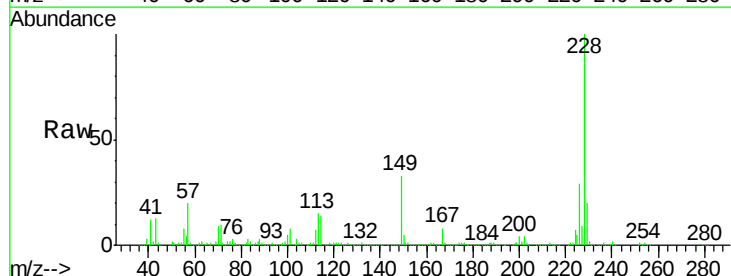
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

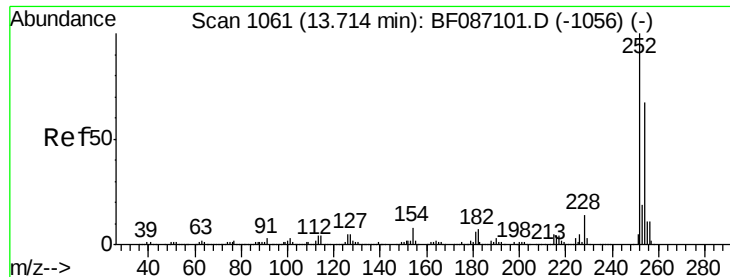
Tot Ion	Ratio	Lower	Upper
149	100		
91	76.0	48.0	72.0#
206	18.9	15.8	23.6



#80
Benzo(a)anthracene
Concen: 52.18 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.5	33.7
229	20.3	16.6	25.0





#81

3,3'-Dichlorobenzidine

Concen: 23.32 ng

RT: 13.68 min Scan# 1058

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

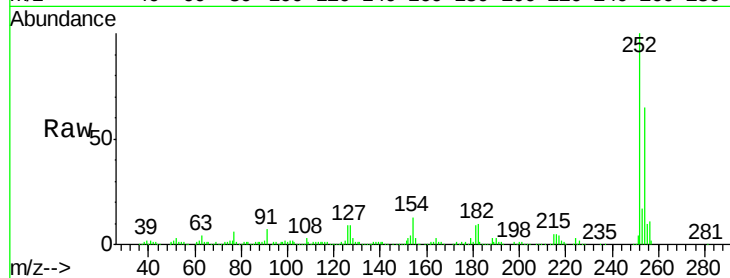
Tot Ion:252 Resp: 222254

Ion Ratio Lower Upper

252 100

254 64.7 50.7 76.1

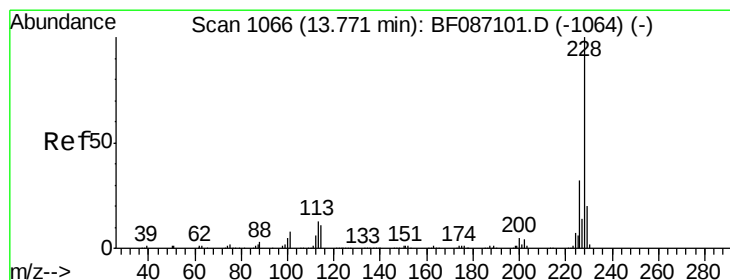
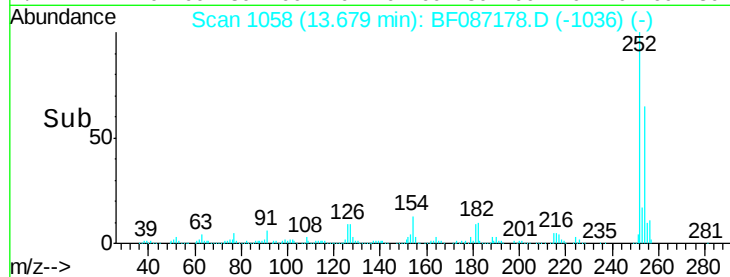
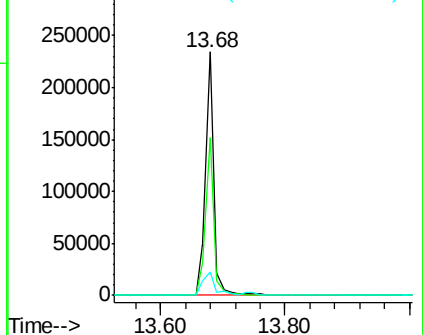
126 9.5 12.7 19.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#82

Chrysene

Concen: 57.53 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

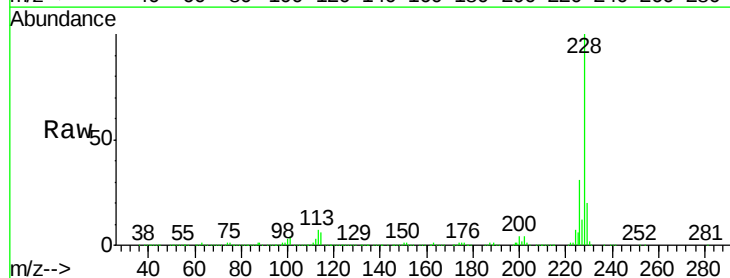
Tgt Ion:228 Resp: 833613

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

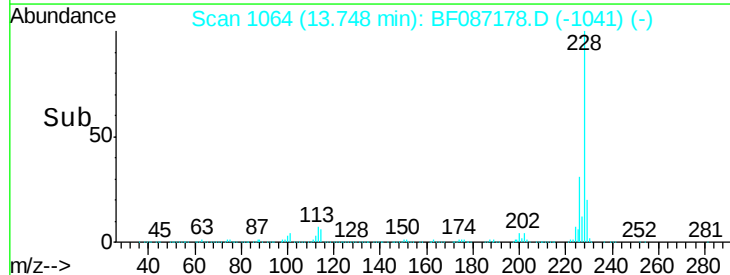
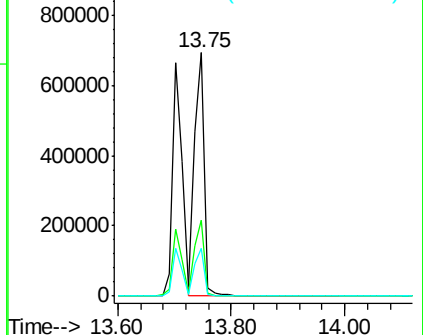
229 19.6 15.8 23.8



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 64.40 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

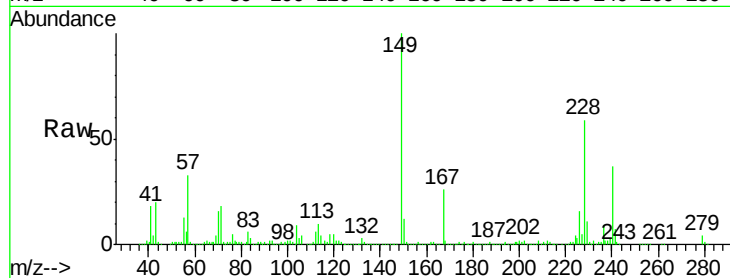
Tot Ion:149 Resp: 619088

Ion Ratio Lower Upper

149 100

167 25.9 21.8 32.6

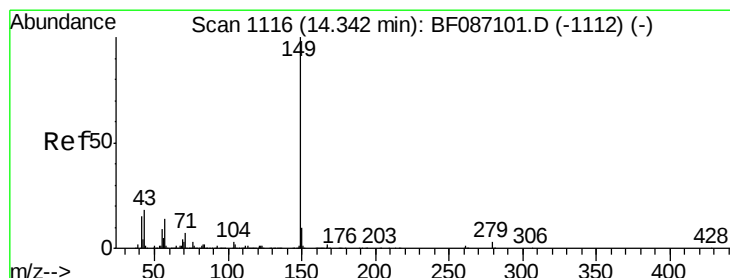
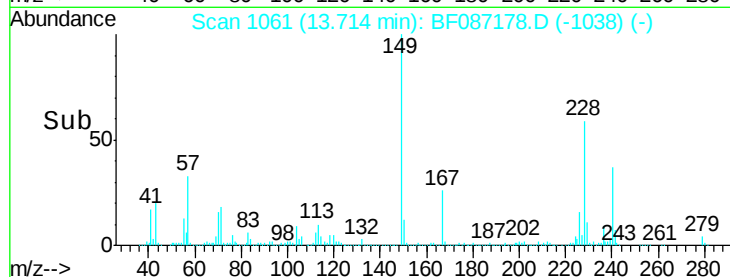
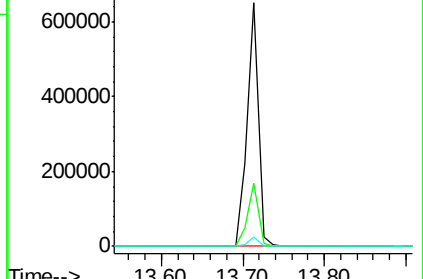
279 3.6 2.6 4.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 62.94 ng

RT: 14.32 min Scan# 1114

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

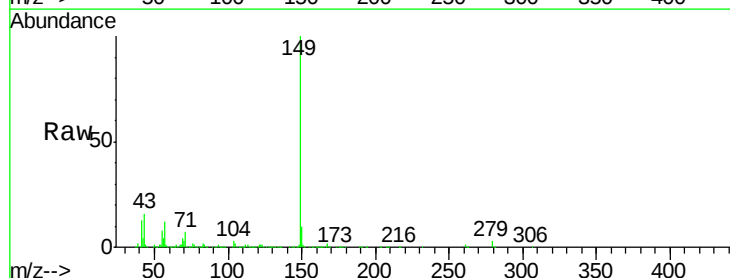
Tgt Ion:149 Resp: 1042286

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

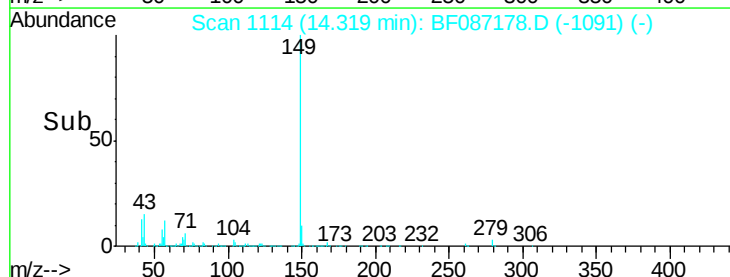
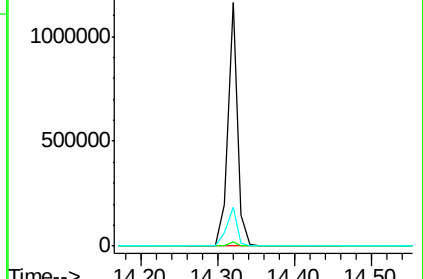
43 16.7 8.2 12.4#

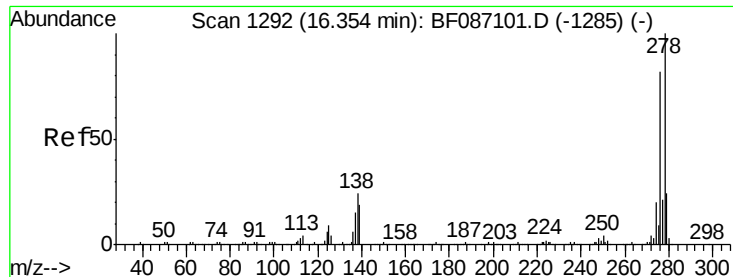


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

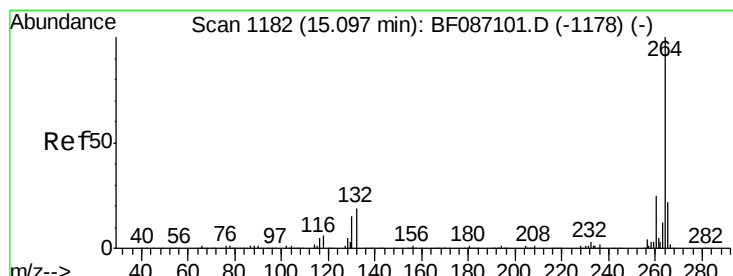
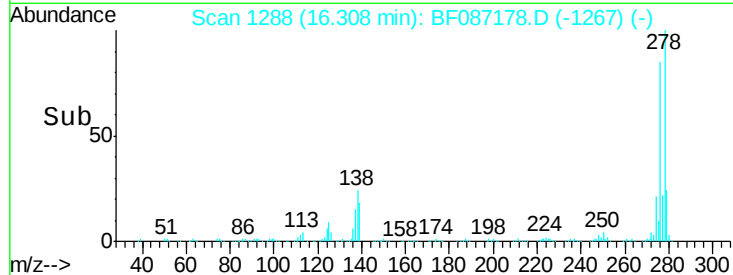
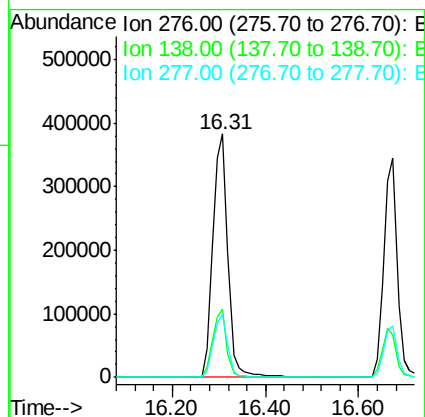
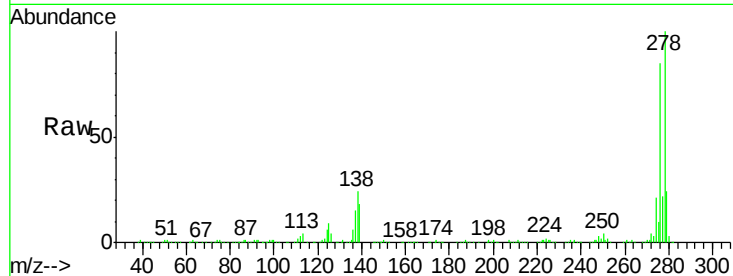




#85
Indeno(1,2,3-cd)pyrene
Concen: 68.24 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

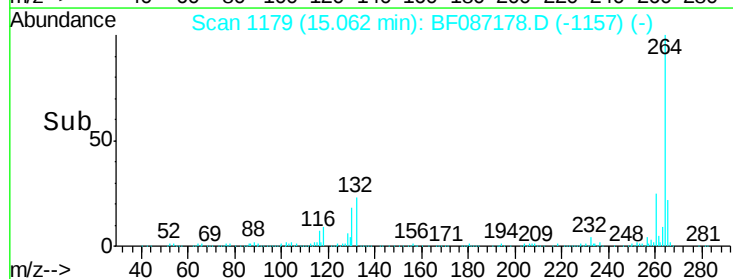
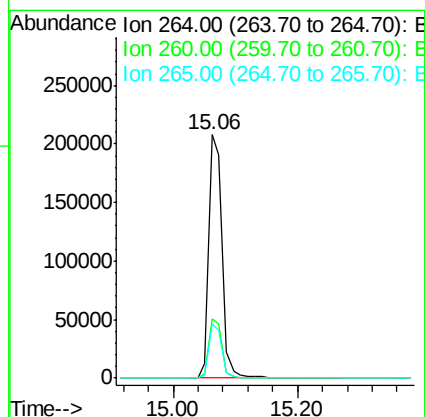
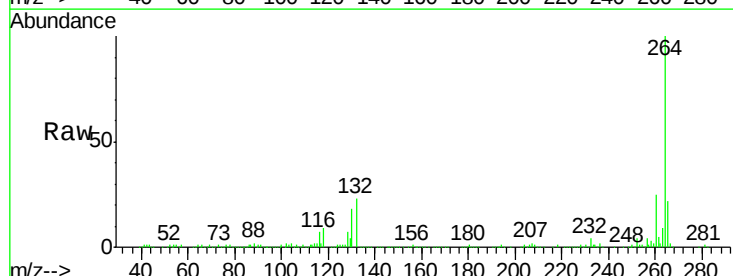
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

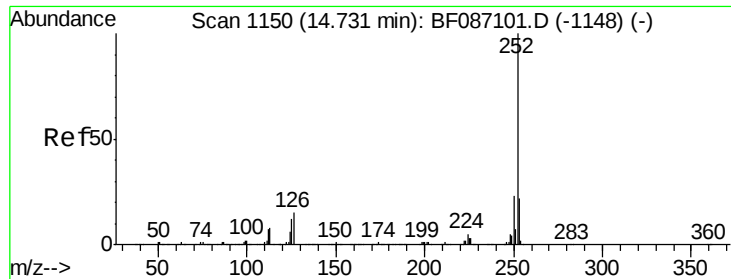
Tot Ion:276 Resp: 867904
Ion Ratio Lower Upper
276 100
138 26.6 25.6 38.4
277 25.3 20.5 30.7



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:264 Resp: 309180
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 22.3 17.3 25.9

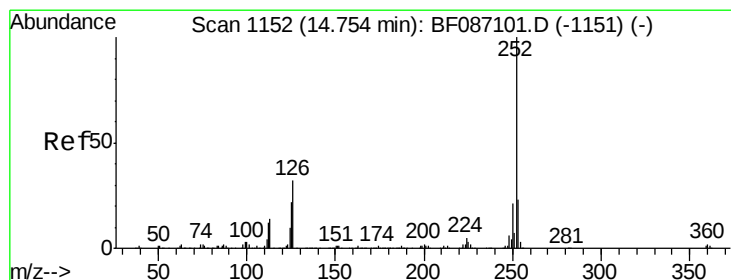
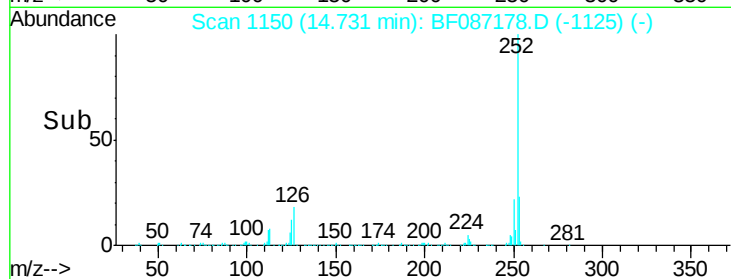
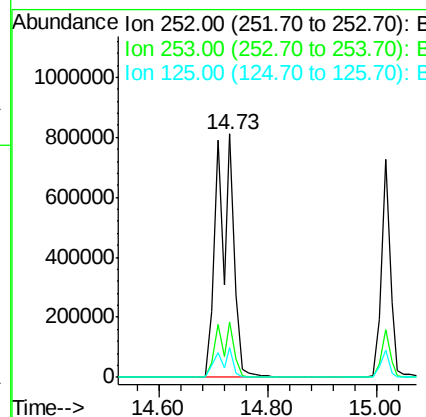
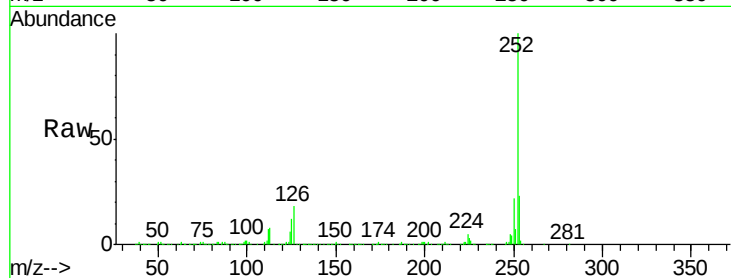




#87
Benzo(b)fluoranthene
Concen: 83.09 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

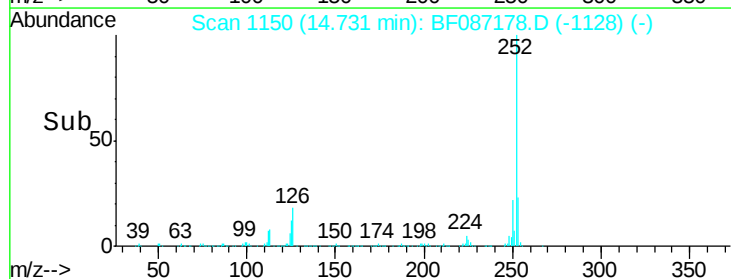
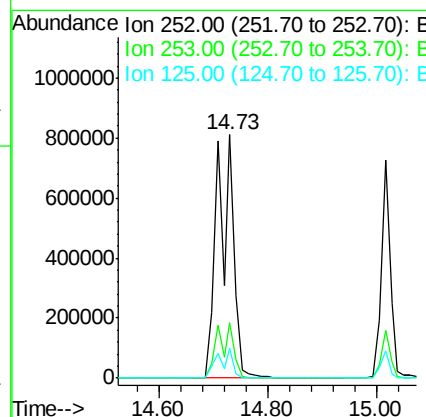
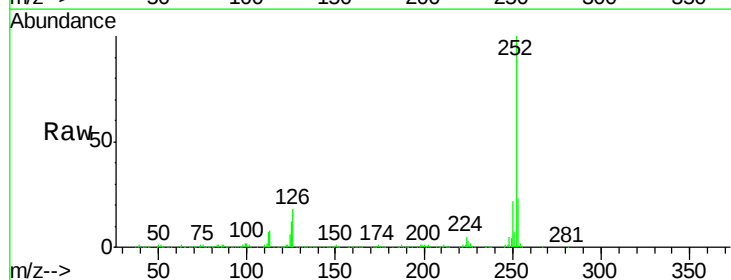
Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

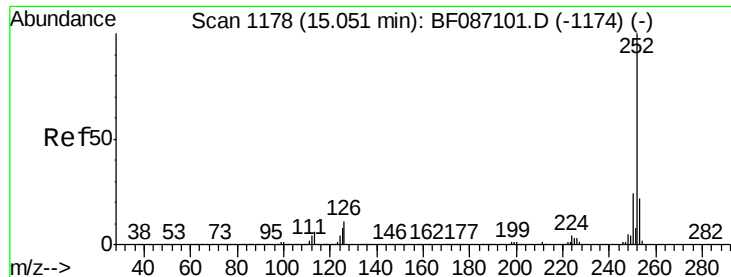
Tot Ion:252 Resp: 1704248
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.3 11.4 17.0



#88
Benzo(k)fluoranthene
Concen: 111.61 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:252 Resp: 1704248
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 12.3 9.1 13.7

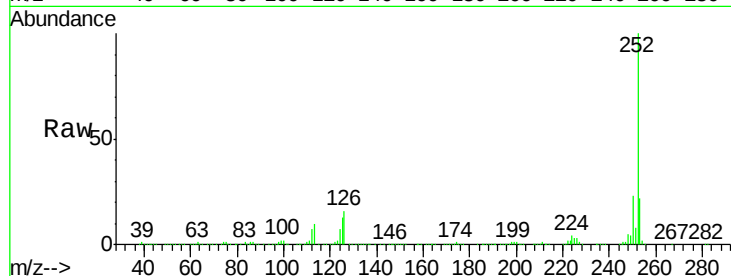




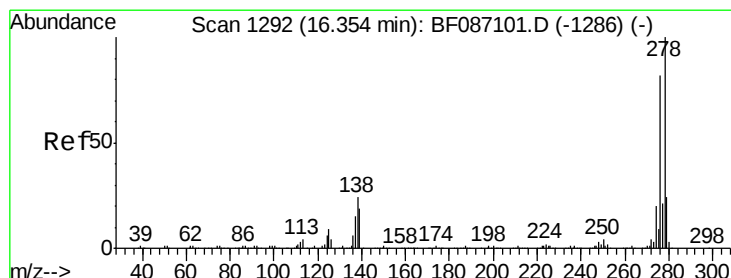
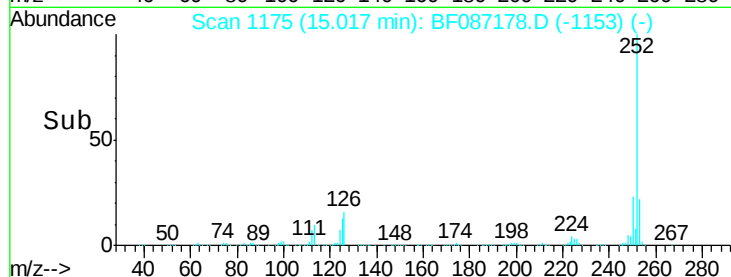
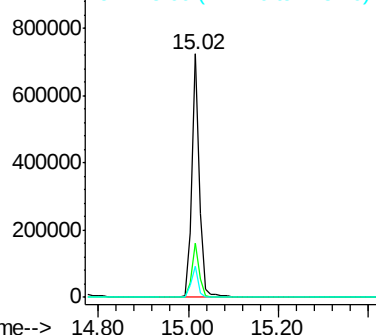
#89
Benzo(a)pyrene
Concen: 49.05 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion:252 Resp: 840968
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 12.6 9.0 13.6

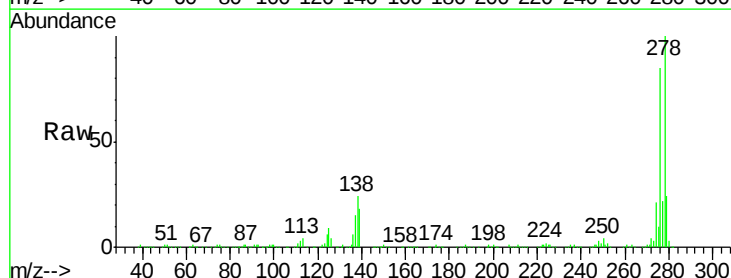


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

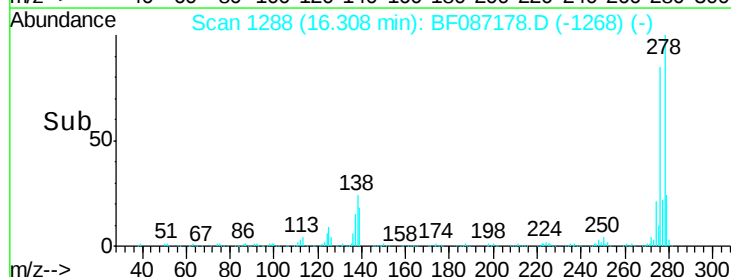
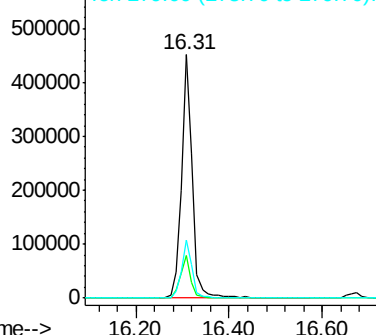


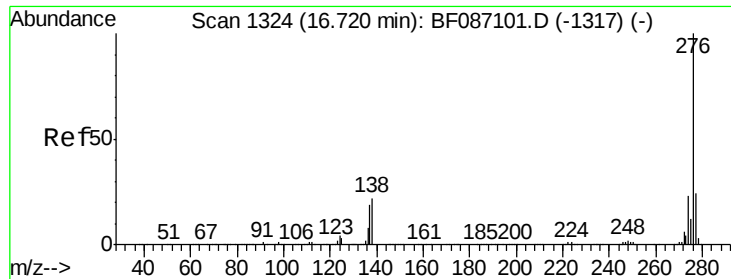
#90
Dibenzo(a,h)anthracene
Concen: 51.35 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:278 Resp: 741184
Ion Ratio Lower Upper
278 100
139 17.6 16.6 24.8
279 23.6 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(a,h,i)perylene

Concen: 47.43 ng

RT: 16.67 min Scan# 1320

Delta R.T. -0.07 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

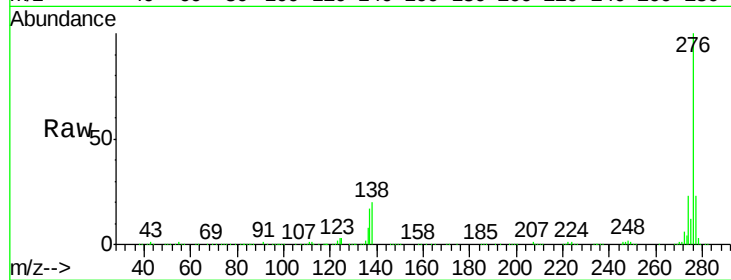
Tot Ion: 276 Resp: 691561

Ion Ratio Lower Upper

276 100

277 23.3 19.6 29.4

138 19.7 23.6 35.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

