

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
 Data File : BF091052.D
 Acq On : 7 Nov 2016 13:37
 Operator : UM/SJ
 Sample : H5524-15DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 17:38:25 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	166509	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	693000	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	394197	20.00	ng	-0.03
63) Phenanthrene-d10	11.20	188	597546	20.00	ng	-0.03
75) Chrysene-d12	13.83	240	561126	20.00	ng	-0.03
86) Perylene-d12	15.20	264	449624	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	122482	12.15	ng	-0.03
7) Phenol-d6	6.32	99	186420	13.62	ng	-0.03
23) Nitrobenzene-d5	7.24	82	107798	8.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	33979	9.53	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	203955	8.91	ng	-0.03
78) Terphenyl-d14	12.77	244	198333	8.82	ng	-0.03

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.45	128	269980	22.45	ng	93
10) Phenol	6.33	94	460699	30.42	ng	# 58
11) bis(2-Chloroethyl)ether	6.41	93	178341	13.97	ng	97
12) 1,3-Dichlorobenzene	6.84	146	131402	10.80	ng	99
13) 1,4-Dichlorobenzene	6.84	146	137405	10.53	ng	97
14) 1,2-Dichlorobenzene	6.84	146	146626	12.24	ng	98
18) Hexachloroethane	7.18	117	23316	4.62	ng	98
24) Nitrobenzene	7.25	77	168363	12.00	ng	# 89
25) Isophorone	7.49	82	636480	26.00	ng	95
29) 2,4-Dichlorophenol	7.82	162	120669	14.08	ng	97
30) 1,2,4-Trichlorobenzene	7.90	180	110711	11.49	ng	98
31) Naphthalene	7.97	128	417042	12.58	ng	99
32) Benzoic acid	7.90	122	372	5.12	ng	# 19
33) 4-Chloroaniline	7.97	127	51814	3.76	ng	# 31
34) Hexachlorobutadiene	8.10	225	73390	14.11	ng	99
37) 2-Methylnaphthalene	8.67	142	226635	10.64	ng	98
48) Acenaphthylene	9.57	152	371800	10.92	ng	97
50) 2,6-Dinitrotoluene	9.71	165	51595	9.31	ng	# 11
51) Acenaphthene	9.74	154	176229	8.24	ng	98
55) 4-Nitrophenol	9.86	139	29040	11.89	ng	96
56) 2,4-Dinitrotoluene	9.71	165	51586	7.32	ng	# 26
57) Fluorene	10.26	166	228698	9.72	ng	99
60) 4-Chlorophenyl-phenylether	10.26	204	245399	22.92	ng	97
62) Azobenzene	10.25	77	136578	4.38	ng	# 35
67) Hexachlorobenzene	10.81	284	31321	4.57	ng	# 89
70) Phenanthrene	11.22	178	574259	18.08	ng	98
71) Anthracene	11.27	178	445218	13.18	ng	98
74) Fluoranthene	12.40	202	432540	13.13	ng	96
77) Pyrene	12.63	202	306388	8.34	ng	97
80) Benzo(a)anthracene	13.81	228	95183	2.99	ng	97
82) Chrysene	13.85	228	174802	5.56	ng	99
83) Bis(2-ethylhexyl)phthalate	13.83	149	469309	19.73	ng	# 96
84) Di-n-octyl phthalate	14.43	149	788363	20.16	ng	95
85) Indeno(1,2,3-cd)pyrene	16.50	276	147619	5.66	ng	99

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

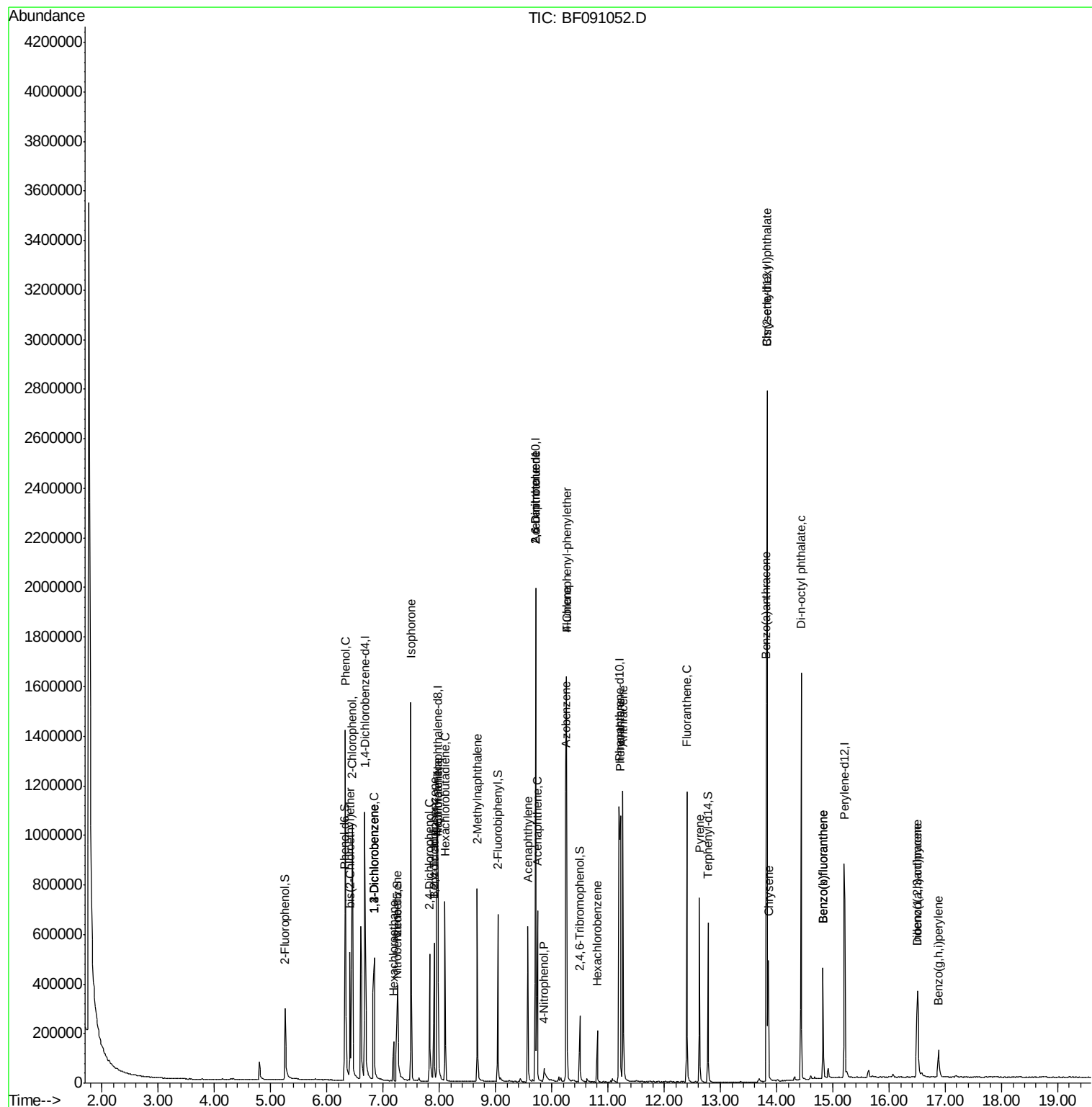
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	14.82	252	187209	6.14	ng	99
88) Benzo(k)fluoranthene	14.82	252	187209	7.00	ng	# 95
90) Dibenzo(a,h)anthracene	16.50	278	187108	8.15	ng	98
91) Benzo(g,h,i)perylene	16.88	276	86221	4.15	ng	95

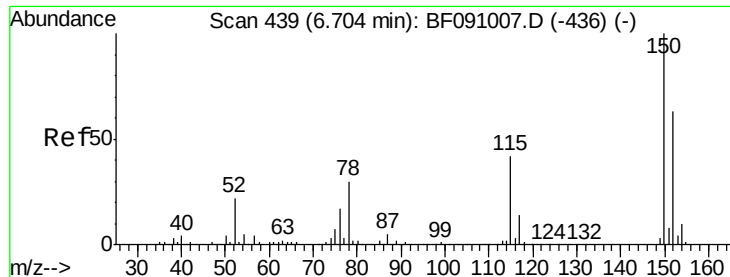
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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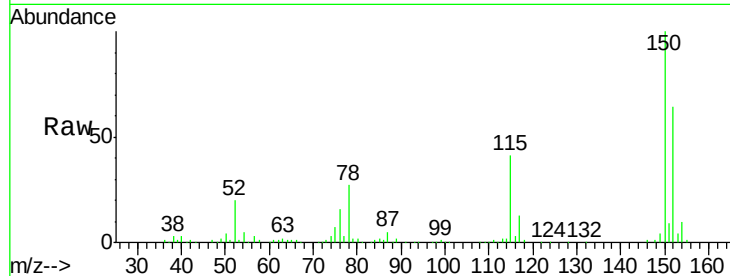


#1

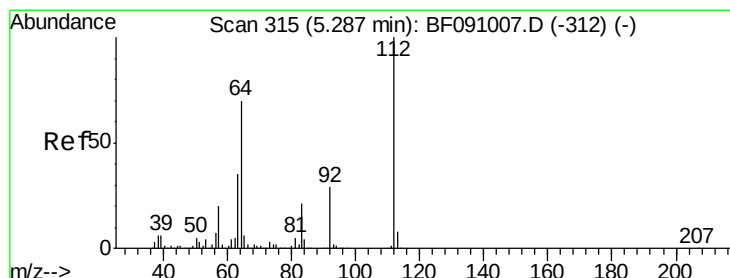
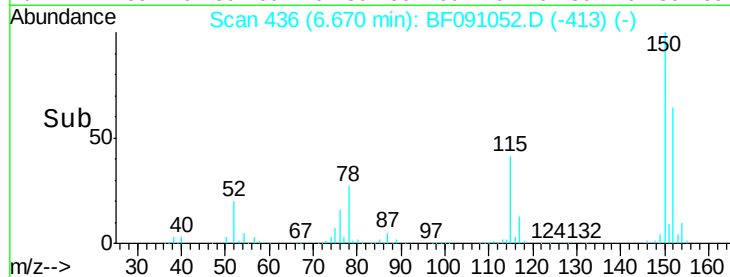
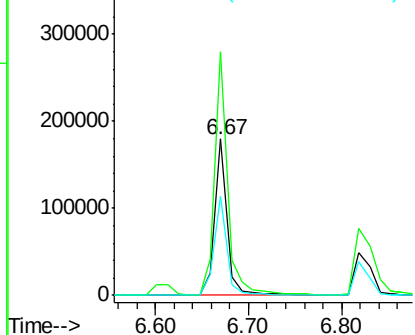
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 166509
Ion Ratio Lower Upper
152 100
150 155.9 126.8 190.2
115 63.2 53.3 79.9



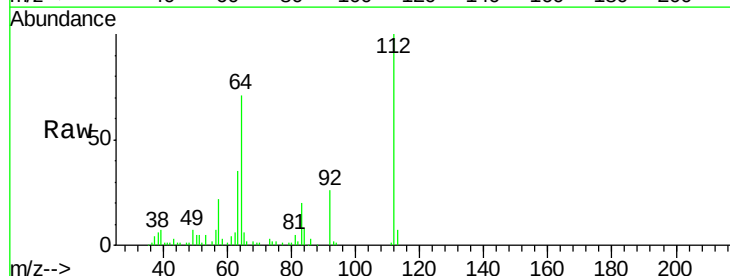
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



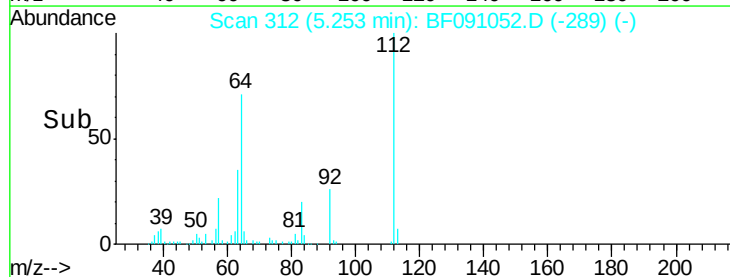
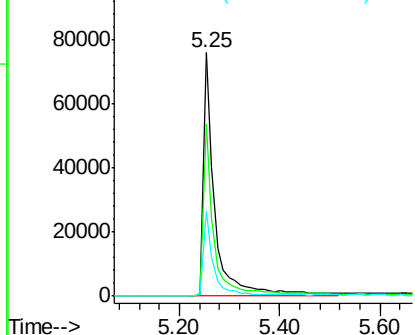
#5

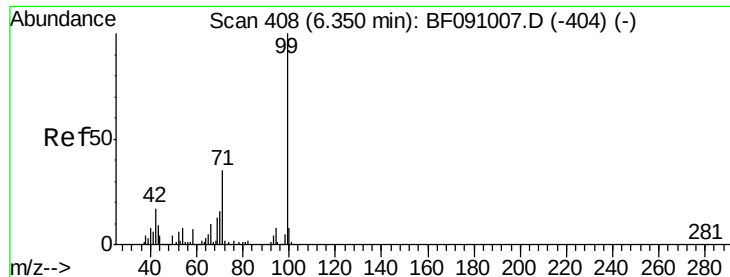
2-Fluorophenol
Concen: 12.15 ng
RT: 5.25 min Scan# 312
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:112 Resp: 122482
Ion Ratio Lower Upper
112 100
64 70.6 55.8 83.6
63 34.8 28.0 42.0



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





#7

Phenol-d6

Concen: 13.62 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampled :

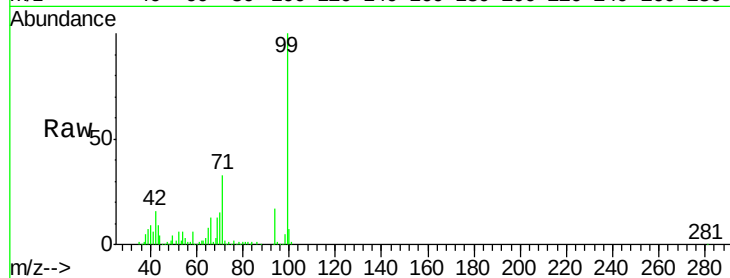
Tot Ion: 99 Resp: 186420

Ion Ratio Lower Upper

99 100

42 15.7 13.9 20.9

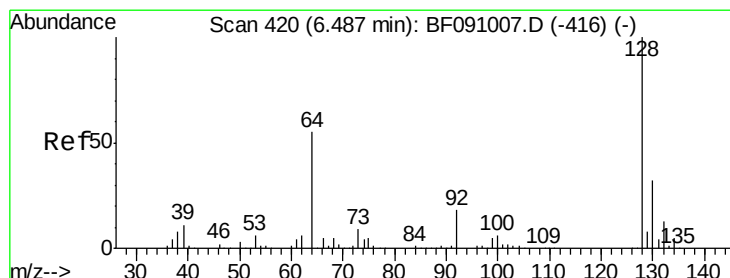
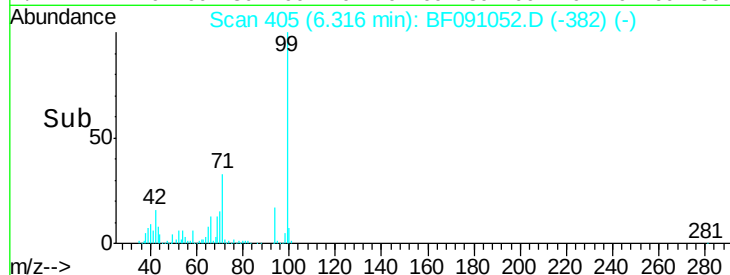
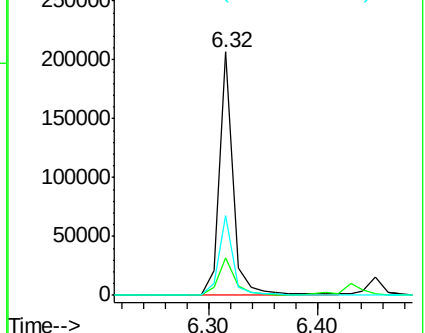
71 33.0 27.8 41.8



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: 22.45 ng

RT: 6.45 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

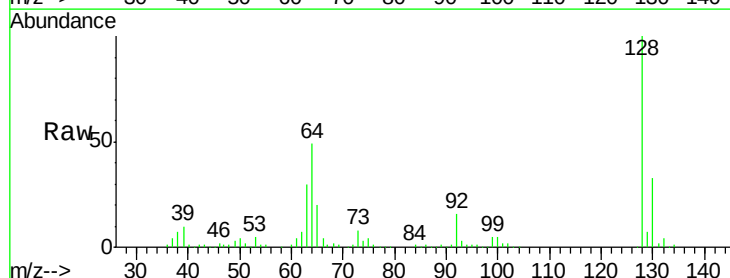
Tgt Ion:128 Resp: 269980

Ion Ratio Lower Upper

128 100

130 32.8 12.0 52.0

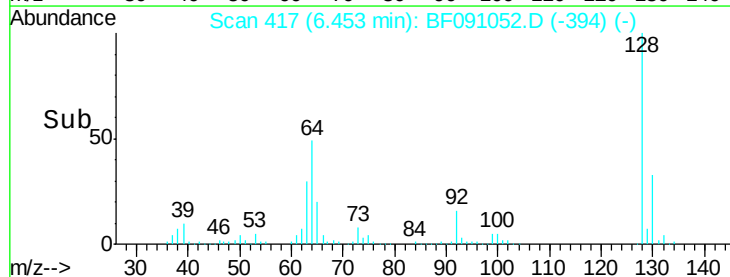
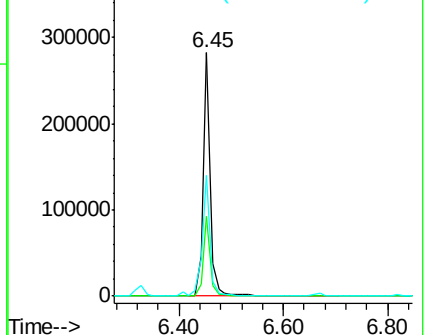
64 49.5 37.2 77.2

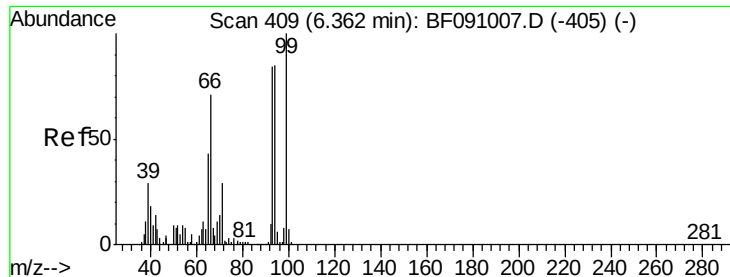


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 30.42 ng

RT: 6.33 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampleId :

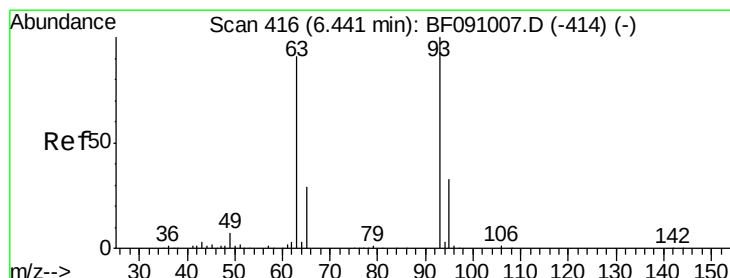
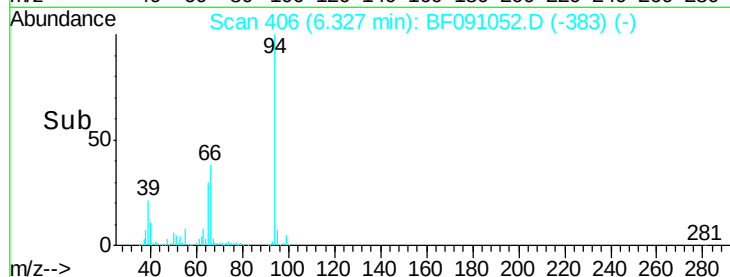
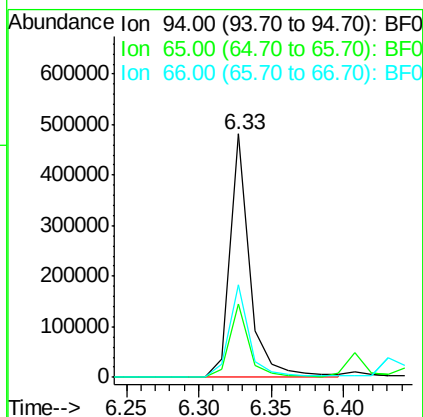
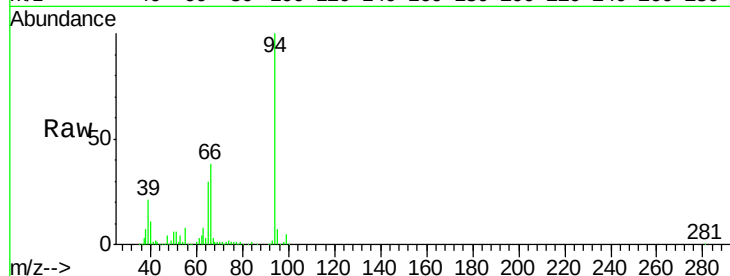
Tot Ion: 94 Resp: 460699

Ion Ratio Lower Upper

94 100

65 29.9 30.4 70.4#

66 37.9 62.9 102.9#



#11

bis(2-Chloroethyl)ether

Concen: 13.97 ng

RT: 6.41 min Scan# 413

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

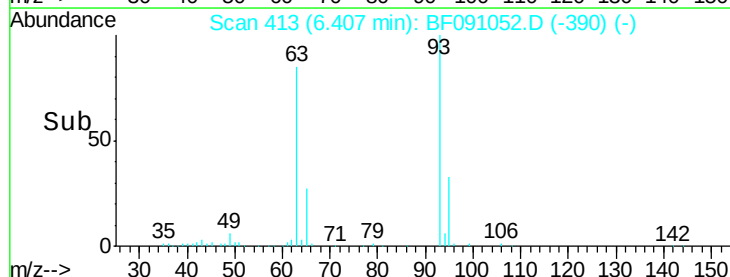
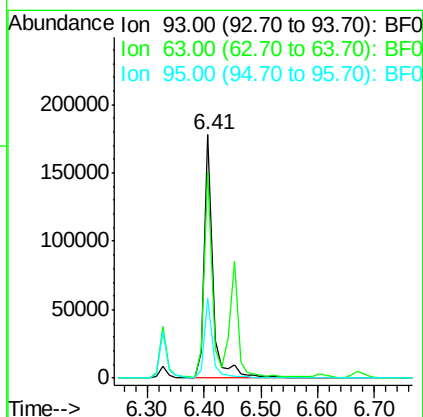
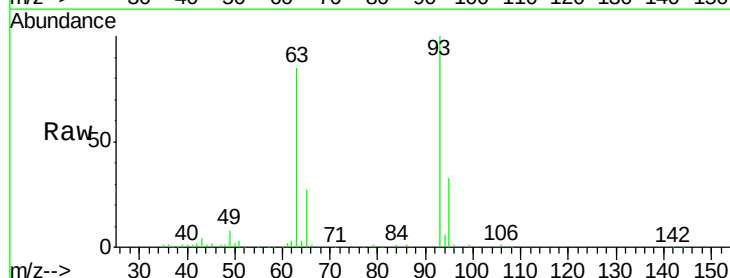
Tgt Ion: 93 Resp: 178341

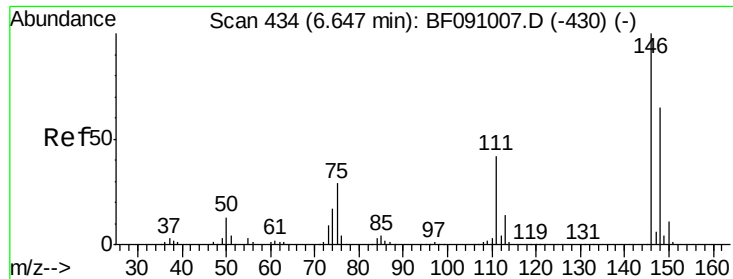
Ion Ratio Lower Upper

93 100

63 84.8 68.9 108.9

95 32.7 12.3 52.3

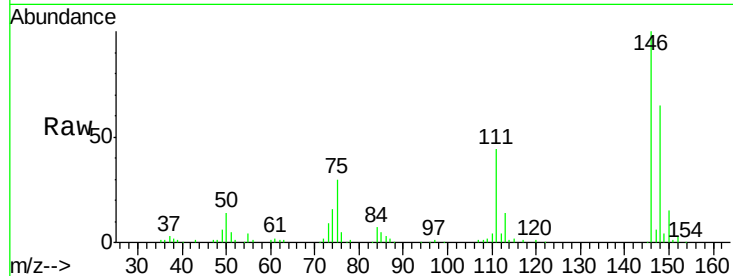




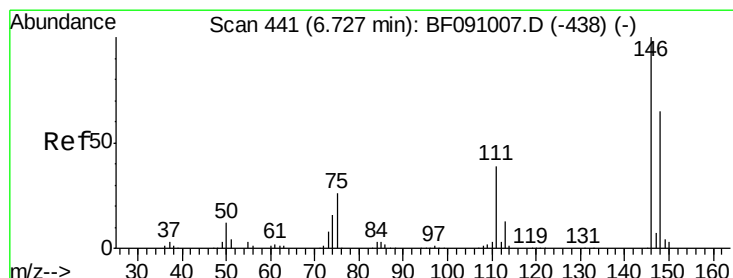
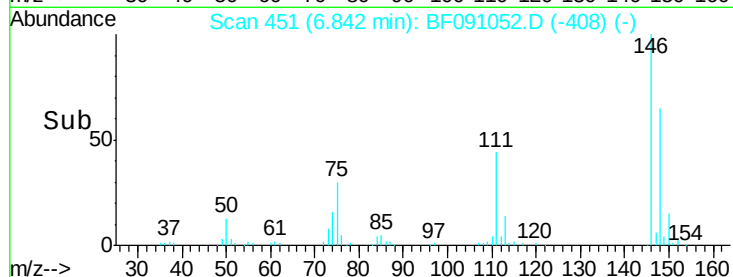
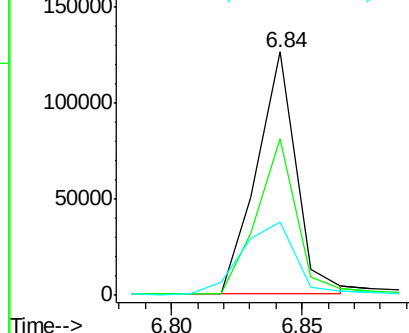
#12
 1,3-Dichlorobenzene
 Concen: 10.80 ng
 RT: 6.84 min Scan# 451
 Delta R.T. 0.19 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 131402
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.0 78.0
 75 30.3 23.0 34.6

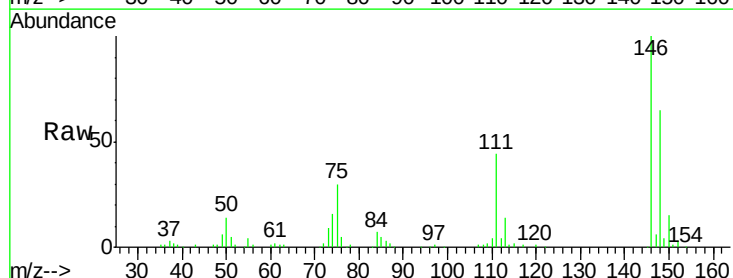


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

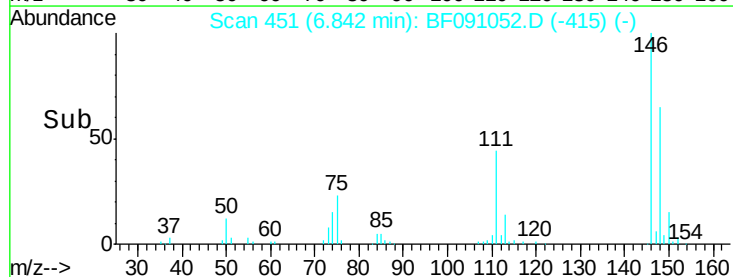
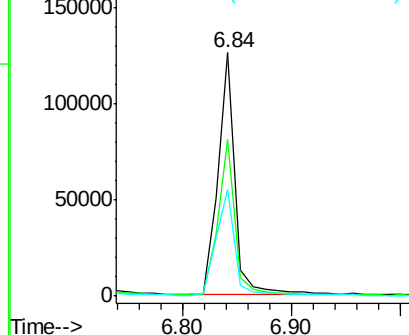


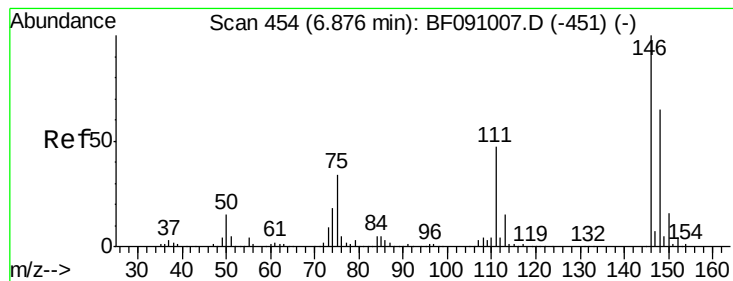
#13
 1,4-Dichlorobenzene
 Concen: 10.53 ng
 RT: 6.84 min Scan# 451
 Delta R.T. 0.11 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion:146 Resp: 137405
 Ion Ratio Lower Upper
 146 100
 148 64.5 52.1 78.1
 111 43.9 31.6 47.4



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 12.24 ng

RT: 6.84 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampleId :

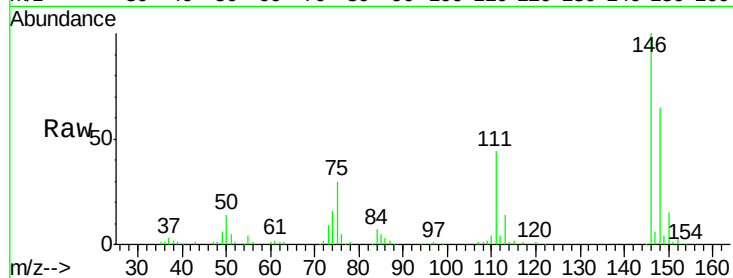
Tot Ion:146 Resp: 146626

Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

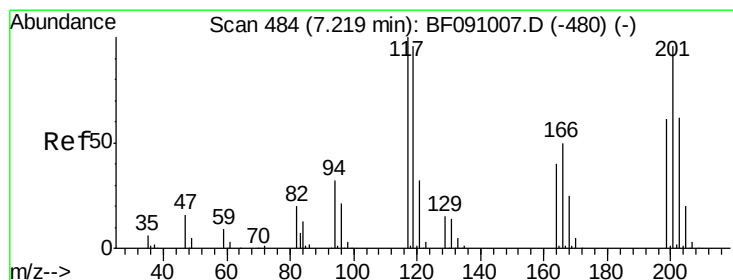
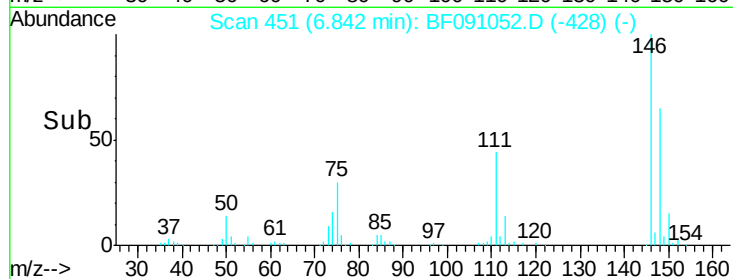
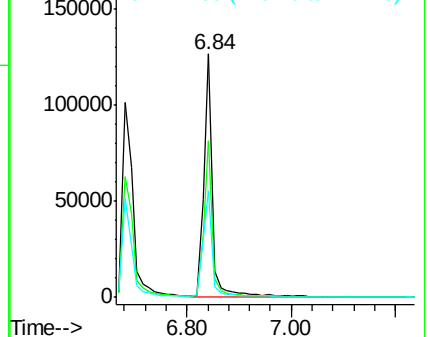
111 43.9 37.3 55.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#18

Hexachloroethane

Concen: 4.62 ng

RT: 7.18 min Scan# 481

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

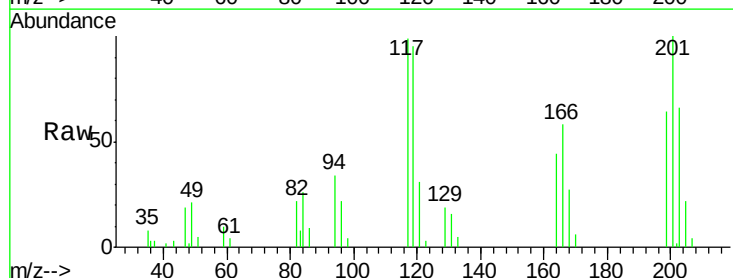
Tgt Ion:117 Resp: 23316

Ion Ratio Lower Upper

117 100

119 95.5 76.6 115.0

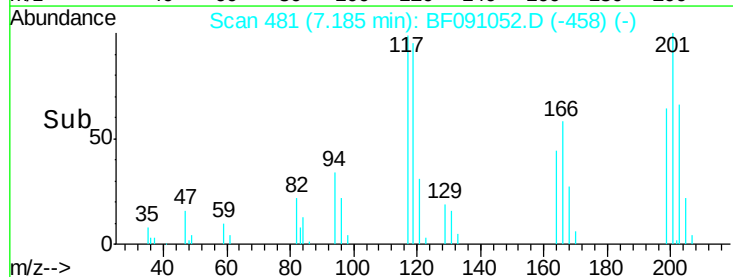
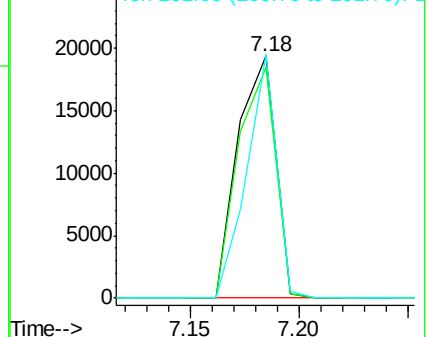
201 100.5 77.1 115.7

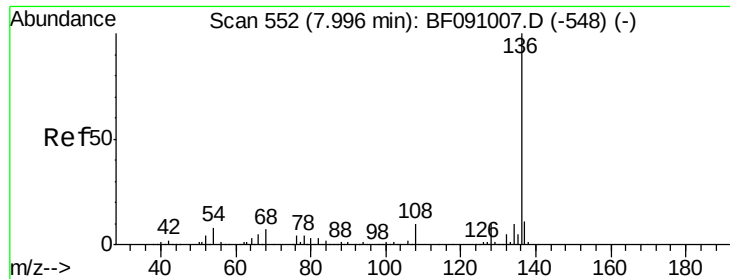


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

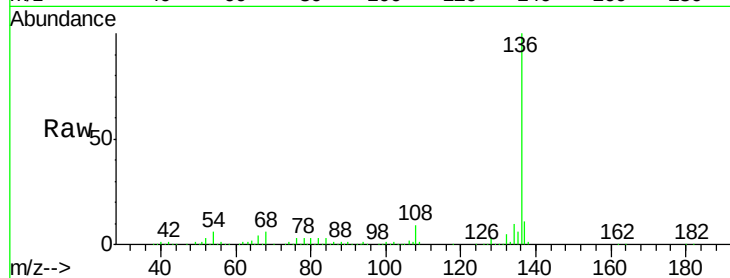




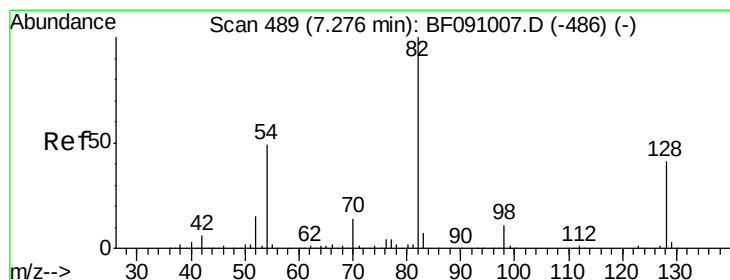
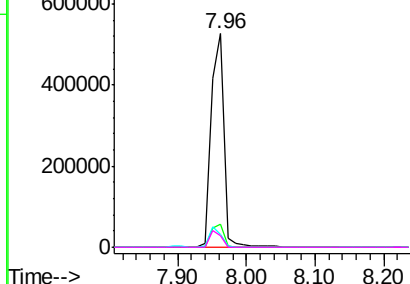
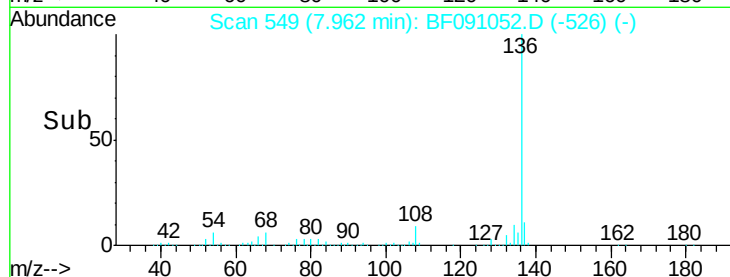
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	693000
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	6.0	6.2 9.2#
68	5.5	5.5 8.3

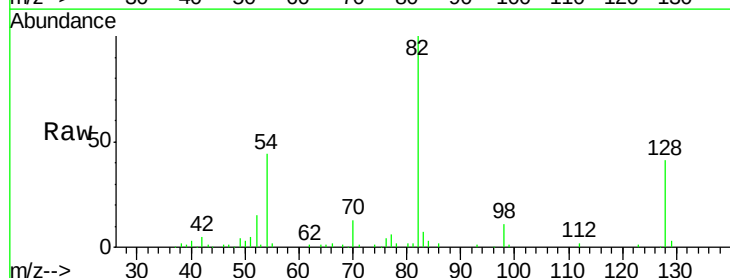


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

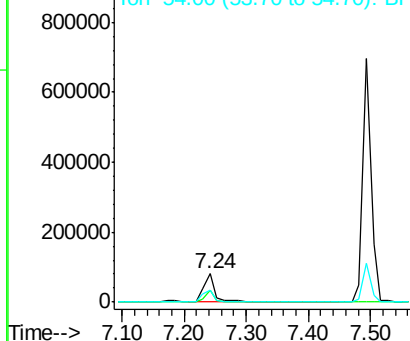
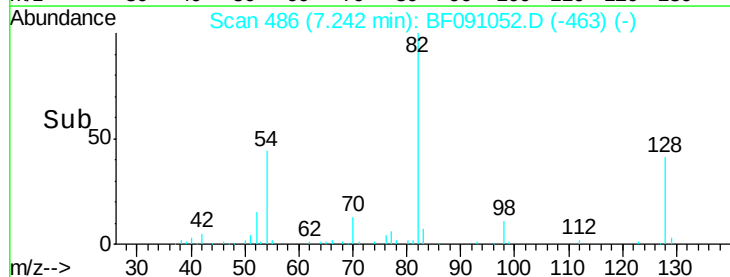


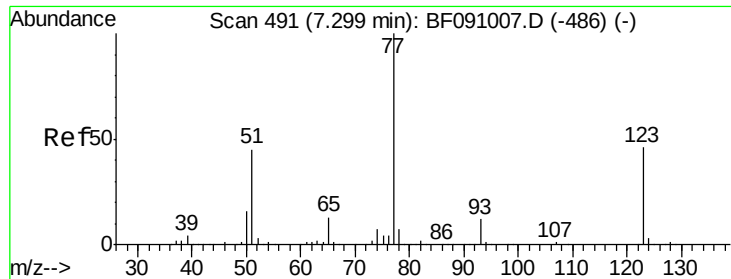
#23
Nitrobenzene-d5
Concen: 8.49 ng
RT: 7.24 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion: 82	Resp:	107798
Ion	Ratio	Lower Upper
82	100	
128	41.4	32.4 48.6
54	43.7	39.2 58.8



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

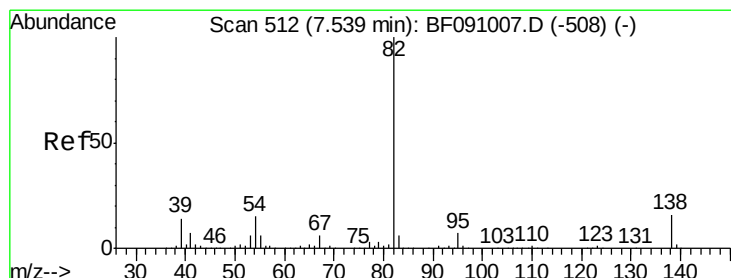
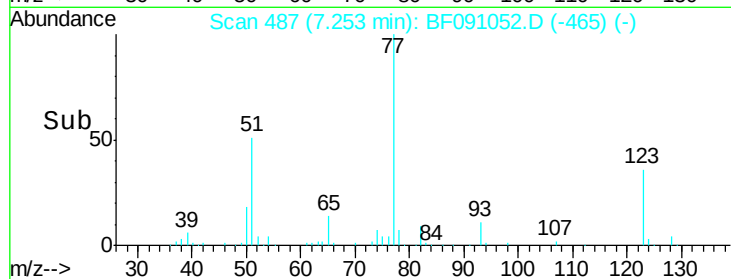
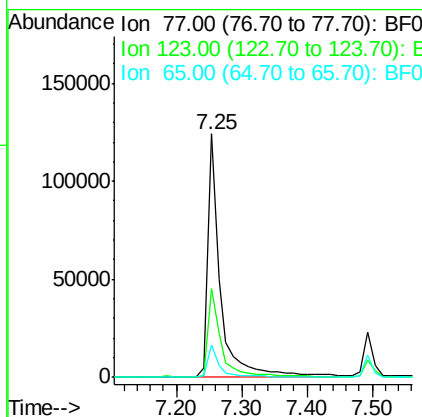
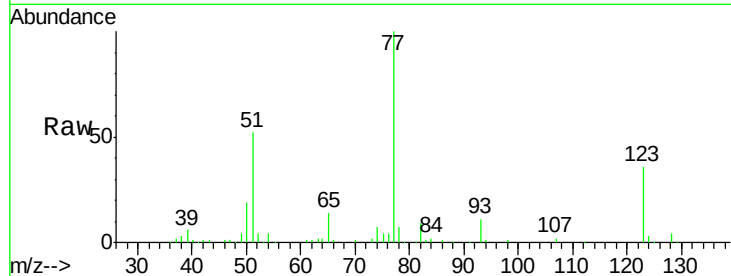




#24
 Nitrobenzene
 Concen: 12.00 ng
 RT: 7.25 min Scan# 487
 Delta R.T. -0.05 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

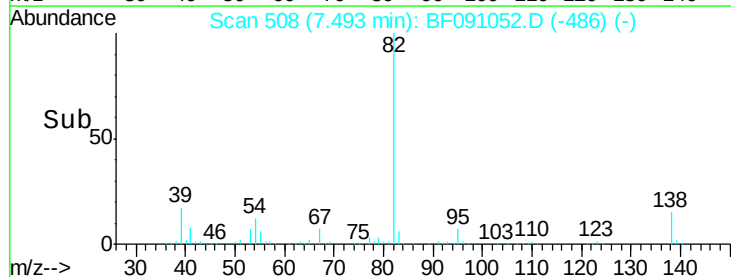
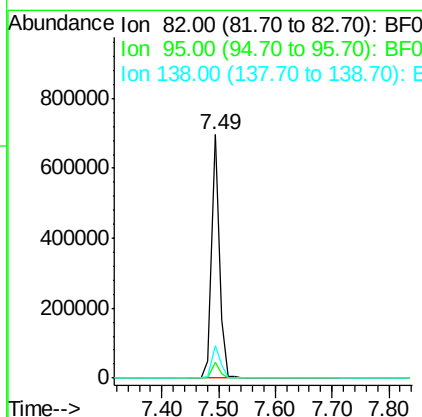
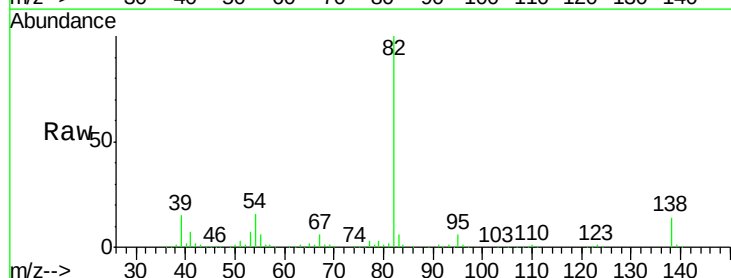
Instrument :
 BNA_F
 ClientSampleId :

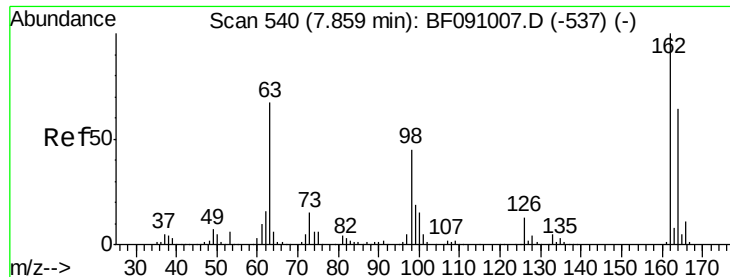
Tot Ion: 77 Resp: 168363
 Ion Ratio Lower Upper
 77 100
 123 36.4 36.5 54.7#
 65 13.5 10.7 16.1



#25
 Isophorone
 Concen: 26.00 ng
 RT: 7.49 min Scan# 508
 Delta R.T. -0.05 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion: 82 Resp: 636480
 Ion Ratio Lower Upper
 82 100
 95 6.3 5.4 8.0
 138 13.6 13.0 19.4

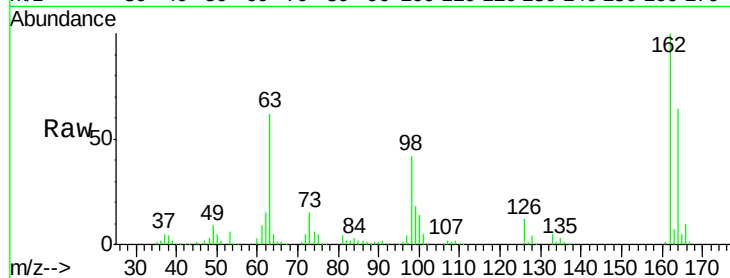




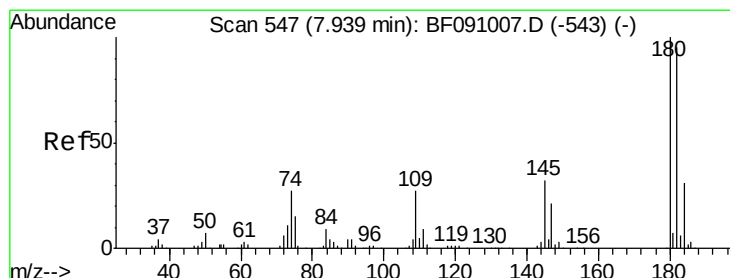
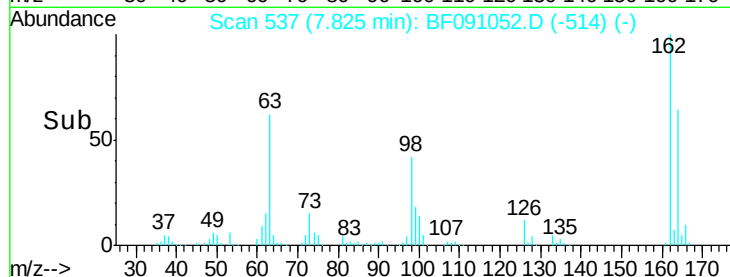
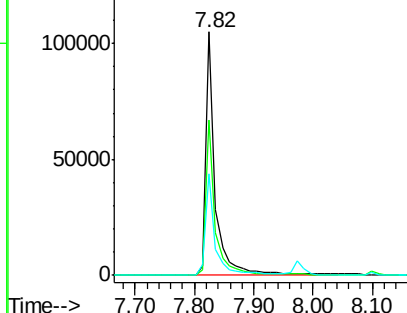
#29
 2,4-Dichlorophenol
 Concen: 14.08 ng
 RT: 7.82 min Scan# 537
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.4	84.4
98	41.7	25.2	65.2

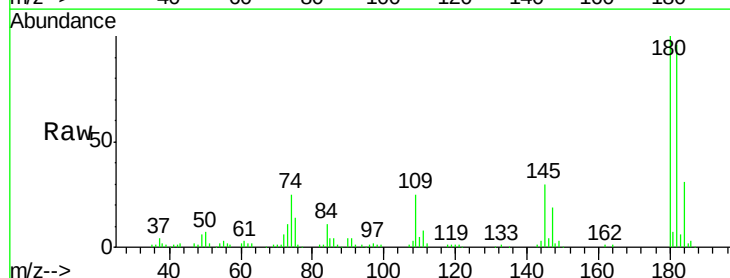


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

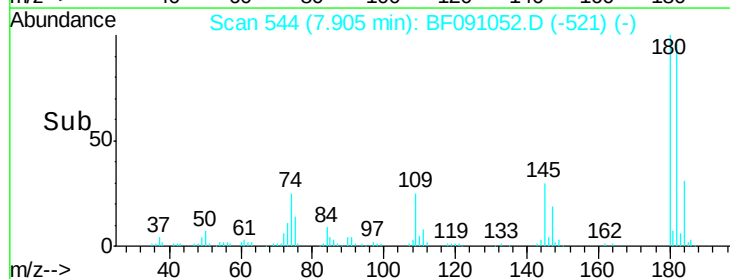
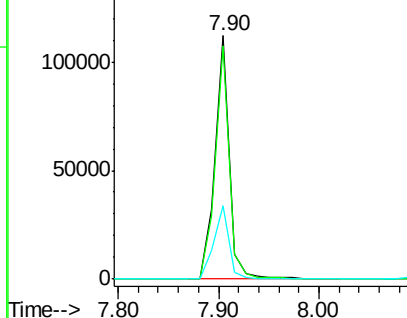


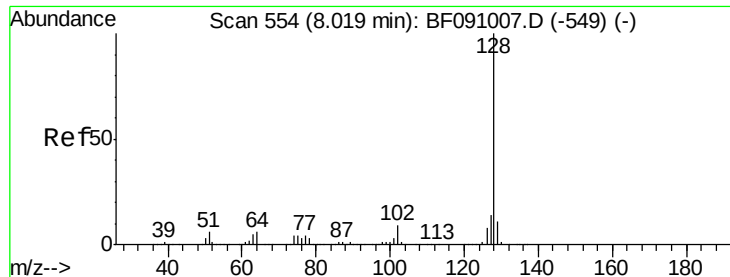
#30
 1,2,4-Trichlorobenzene
 Concen: 11.49 ng
 RT: 7.90 min Scan# 544
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.0	114.0
145	30.2	25.8	38.8



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

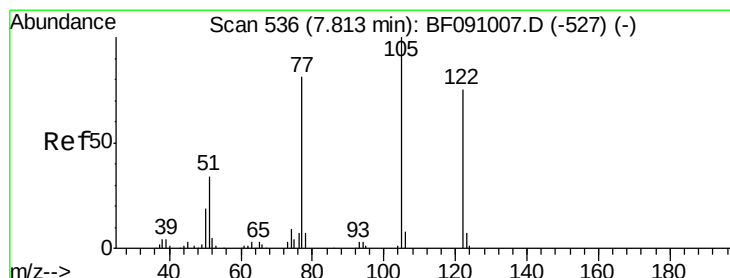
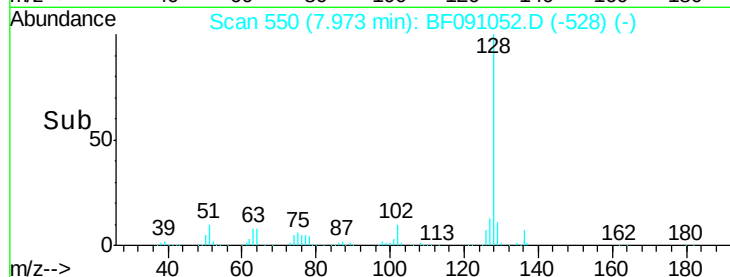
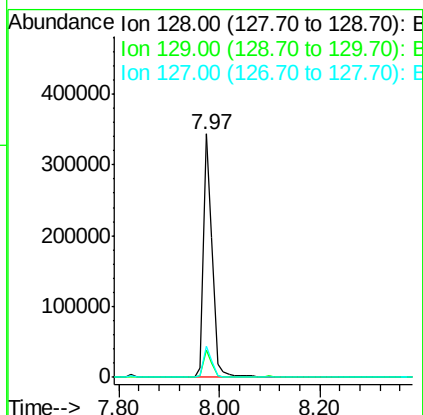
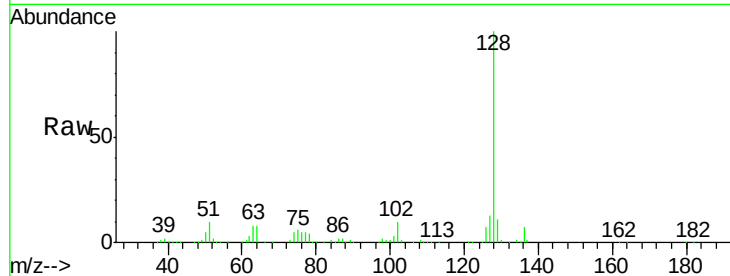




#31
Naphthalene
Concen: 12.58 ng
RT: 7.97 min Scan# 550
Delta R.T. -0.05 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

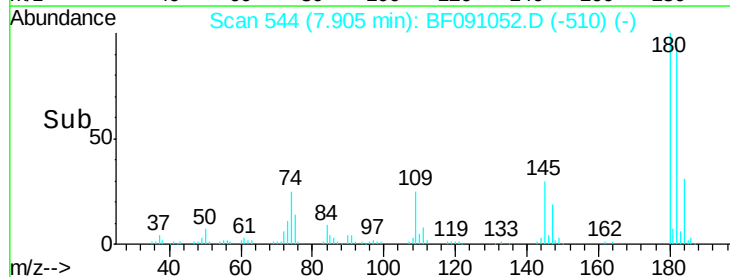
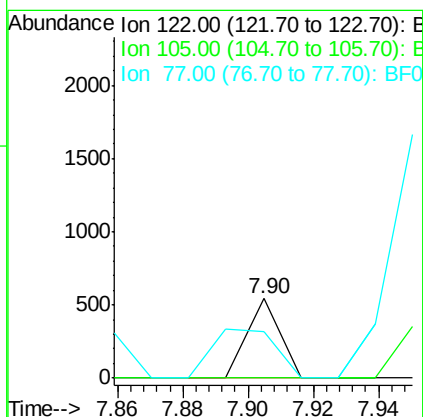
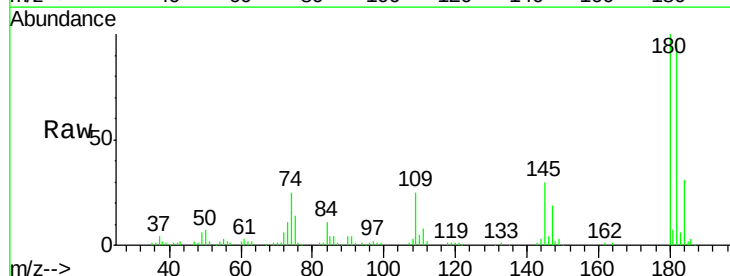
Instrument :
BNA_F
ClientSampleId :

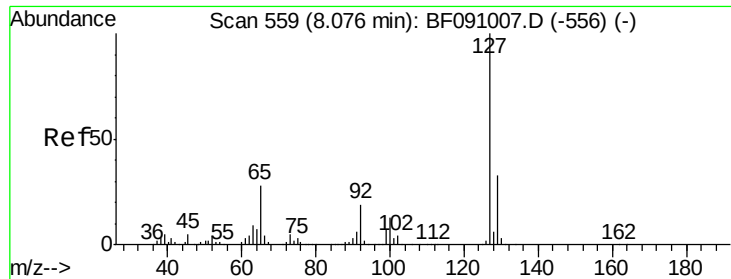
Tot Ion:128 Resp: 417042
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 12.7 10.9 16.3



#32
Benzoic acid
Concen: 5.12 ng
RT: 7.90 min Scan# 544
Delta R.T. 0.09 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:122 Resp: 372
Ion Ratio Lower Upper
122 100
105 0.0 105.9 145.9#
77 58.3 84.0 124.0#

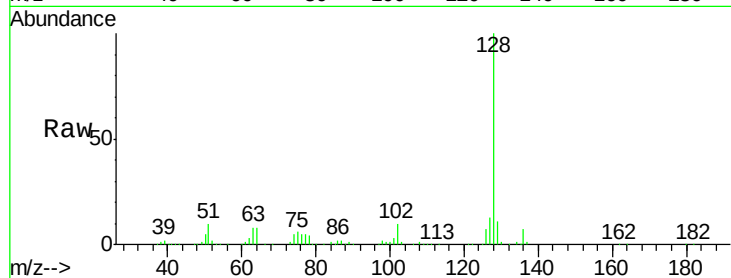




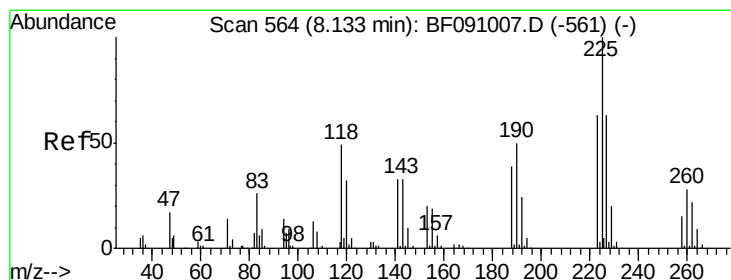
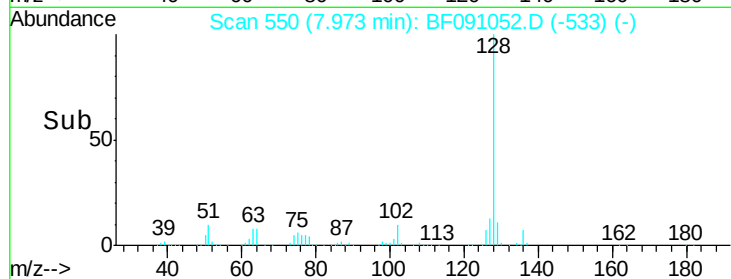
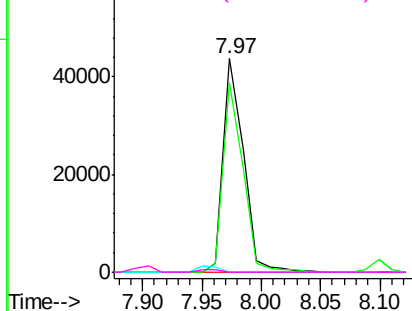
#33
4-Chloroaniline
Concen: 3.76 ng
RT: 7.97 min Scan# 550
Delta R.T. -0.10 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	51814
Ion Ratio	Lower	Upper
127	100	
129	88.8	26.6 39.8#
65	0.0	22.2 33.2#
92	0.0	15.0 22.4#

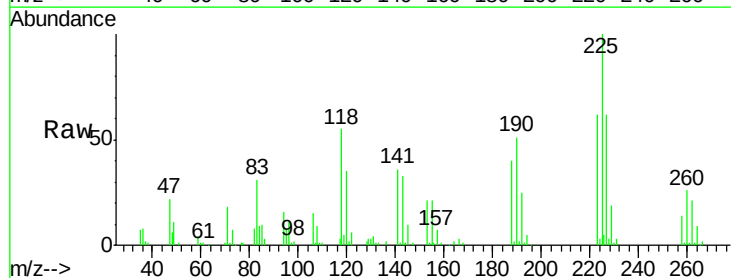


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

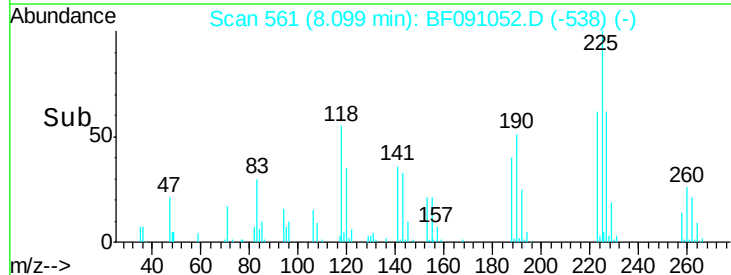
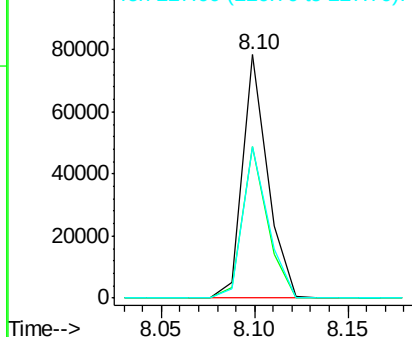


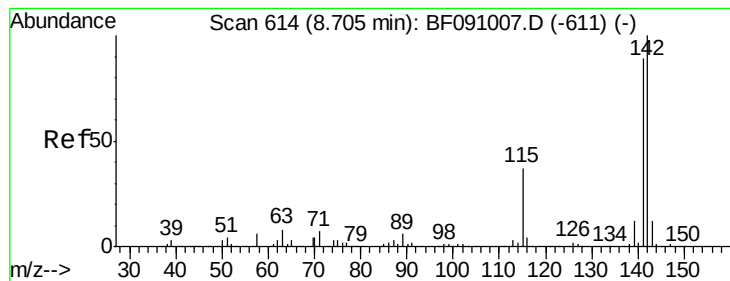
#34
Hexachlorobutadiene
Concen: 14.11 ng
RT: 8.10 min Scan# 561
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:225	Resp:	73390
Ion Ratio	Lower	Upper
225	100	
223	62.4	50.4 75.6
227	62.2	50.1 75.1



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





#37

2-Methylnaphthalene

Concen: 10.64 ng

RT: 8.67 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampleId :

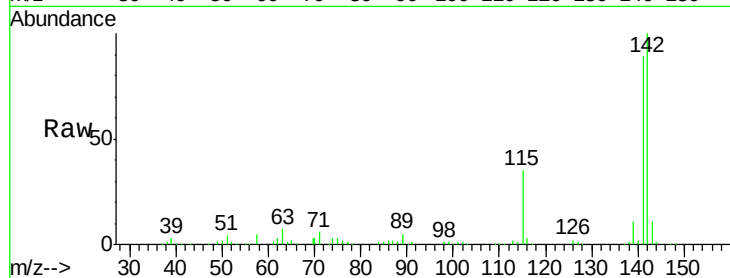
Tot Ion:142 Resp: 226635

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

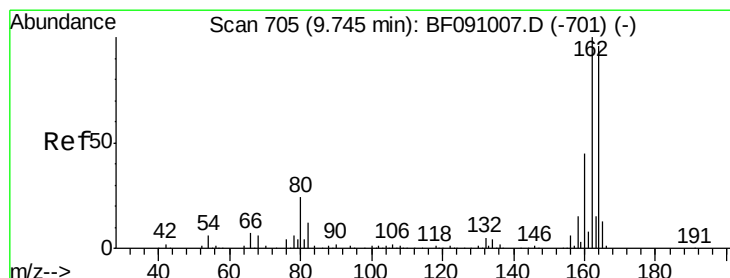
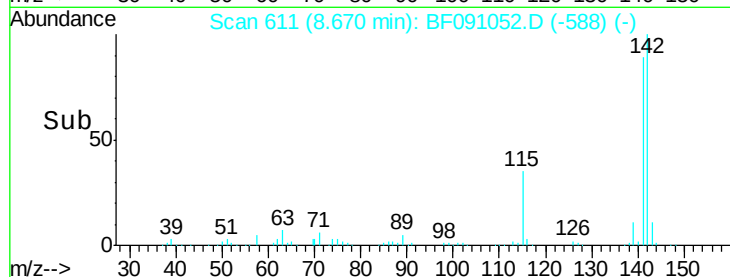
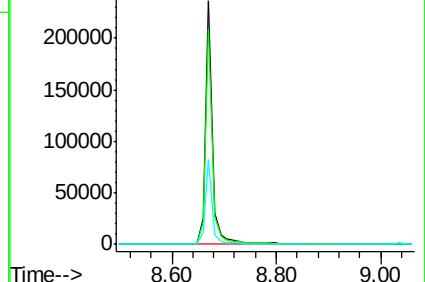
115 34.8 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

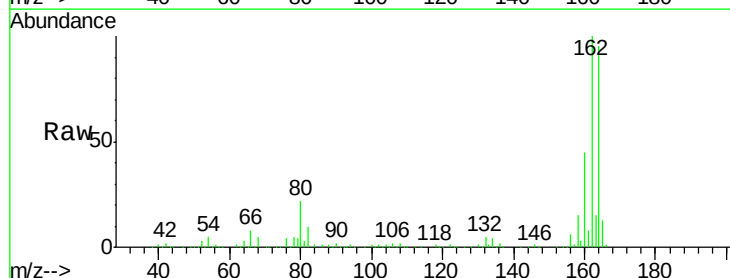
Tgt Ion:164 Resp: 394197

Ion Ratio Lower Upper

164 100

162 105.2 83.6 125.4

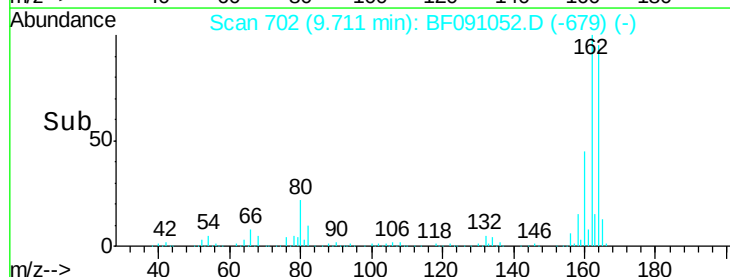
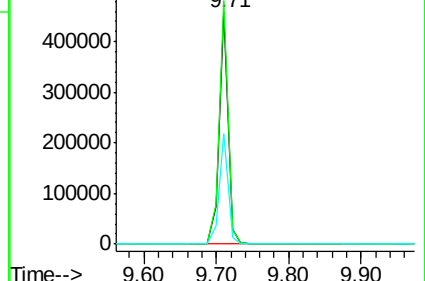
160 47.8 37.9 56.9

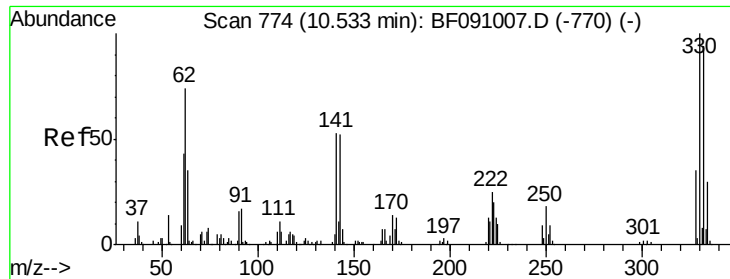


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

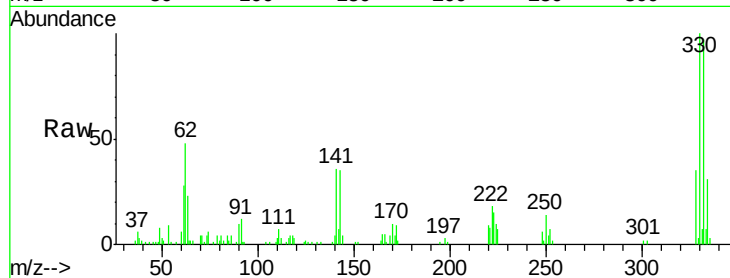




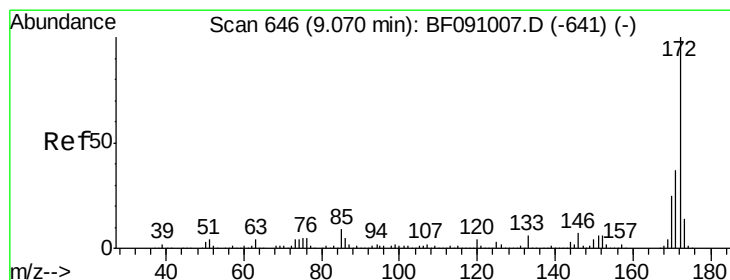
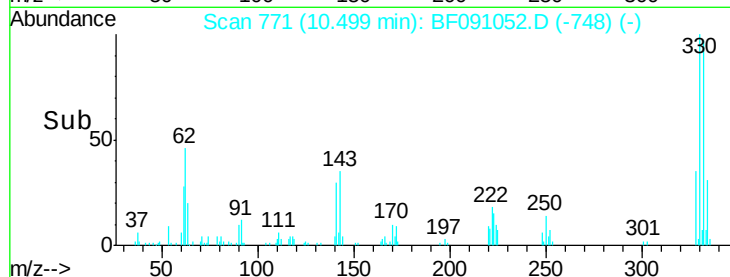
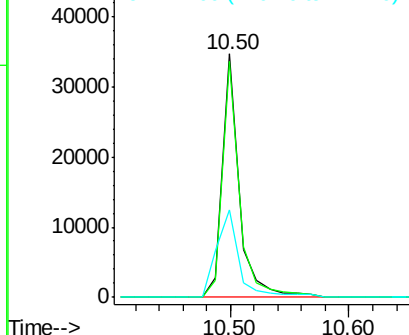
#41
 2,4,6-Tribromophenol
 Concen: 9.53 ng
 RT: 10.50 min Scan# 771
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 33979
 Ion Ratio Lower Upper
 330 100
 332 97.5 75.9 113.9
 141 48.5 36.1 54.1

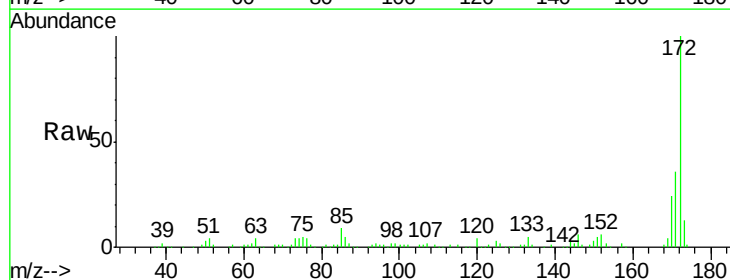


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

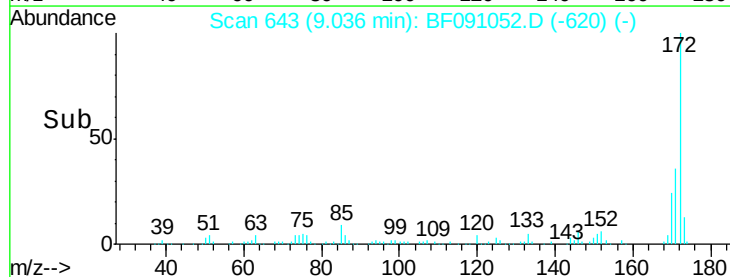
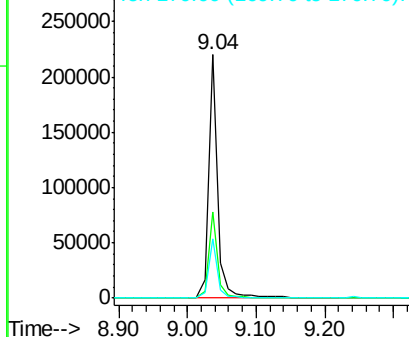


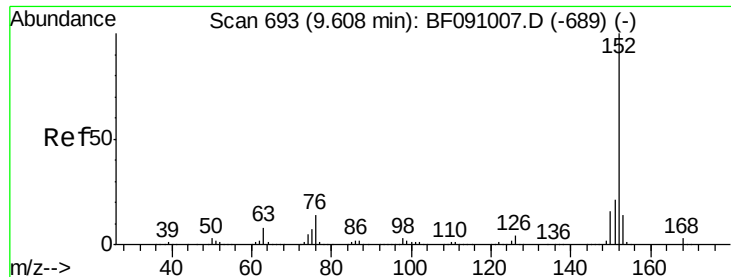
#44
 2-Fluorobiphenyl
 Concen: 8.91 ng
 RT: 9.04 min Scan# 643
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion:172 Resp: 203955
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.8 44.6
 170 24.4 20.3 30.5



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





#48

Acenaphthylene

Concen: 10.92 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampleId :

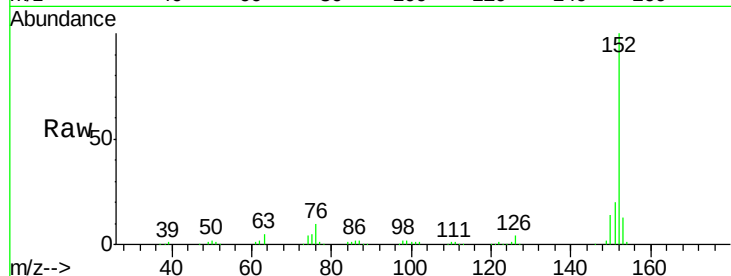
Tot Ion:152 Resp: 371800

Ion Ratio Lower Upper

152 100

151 19.8 16.7 25.1

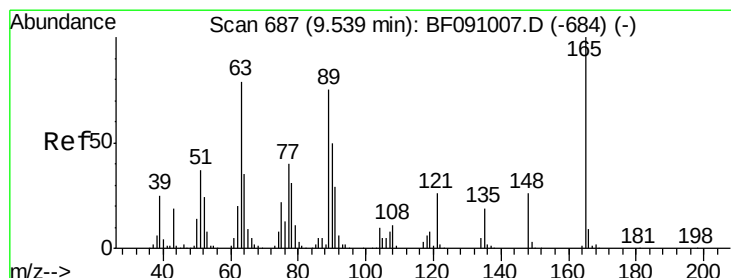
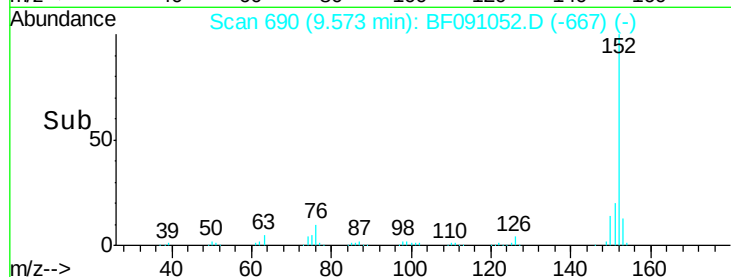
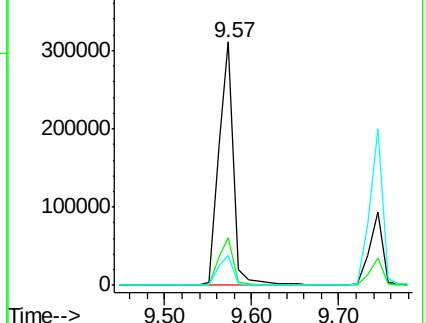
153 12.5 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 9.31 ng

RT: 9.71 min Scan# 702

Delta R.T. 0.17 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

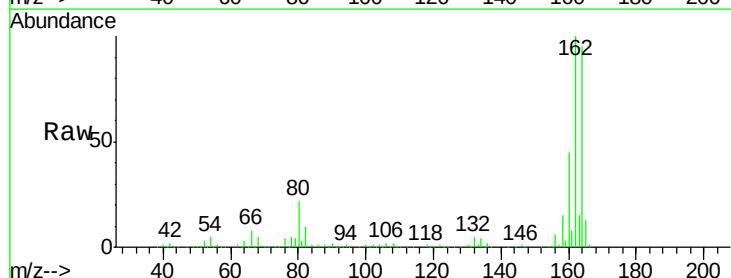
Tgt Ion:165 Resp: 51595

Ion Ratio Lower Upper

165 100

63 0.9 65.6 98.4#

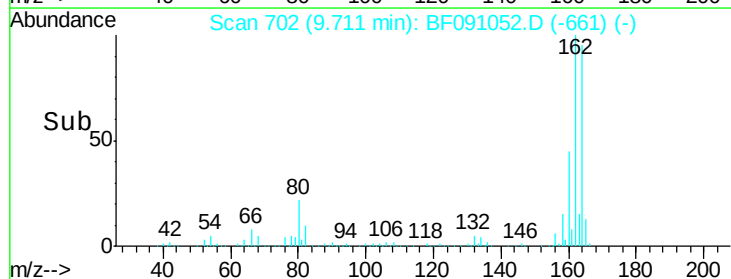
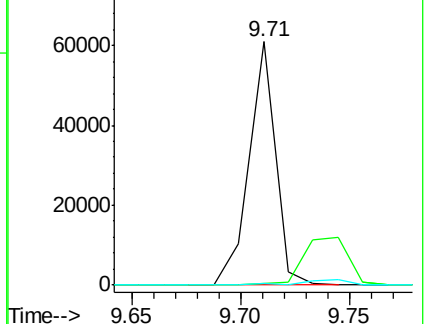
89 1.0 59.8 89.6#

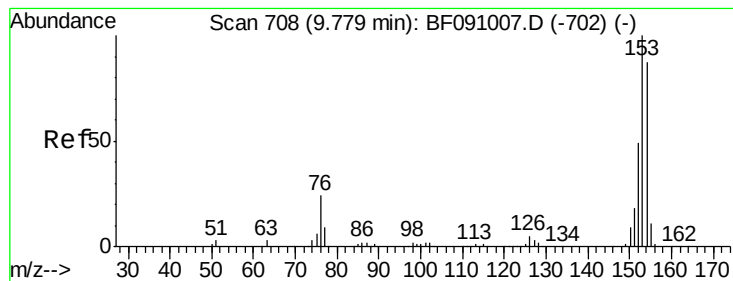


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 8.24 ng

RT: 9.74 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampleId :

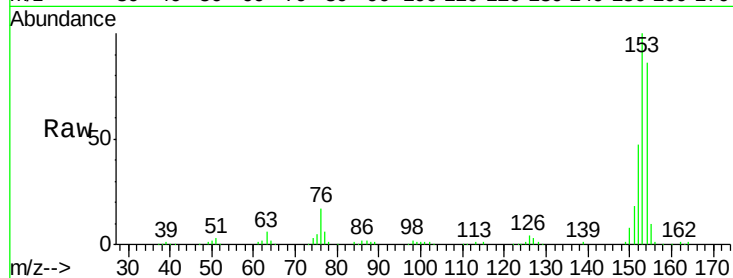
Tot Ion:154 Resp: 176229

Ion Ratio Lower Upper

154 100

153 116.9 91.6 137.4

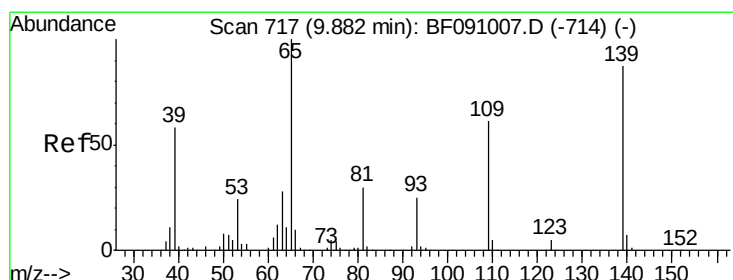
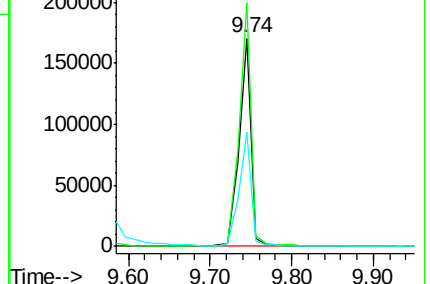
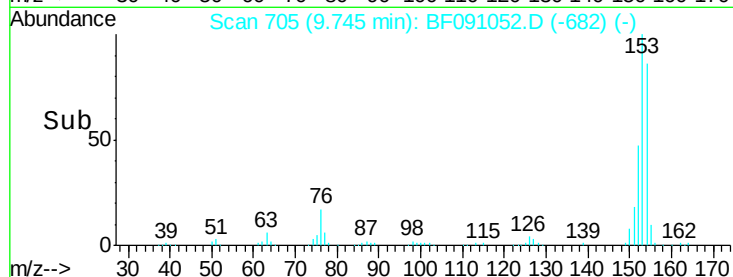
152 54.7 44.6 67.0



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



#55

4-Nitrophenol

Concen: 11.89 ng

RT: 9.86 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

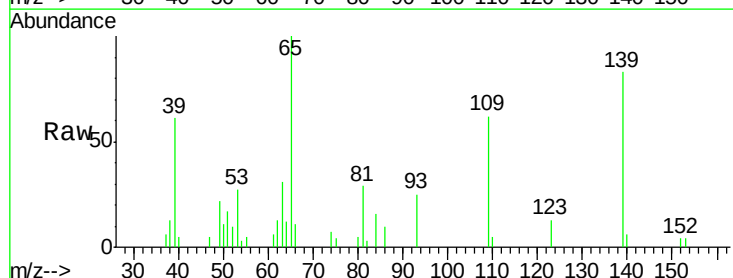
Tgt Ion:139 Resp: 29040

Ion Ratio Lower Upper

139 100

109 75.1 50.5 90.5

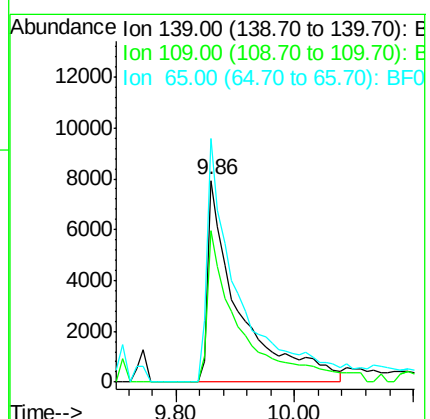
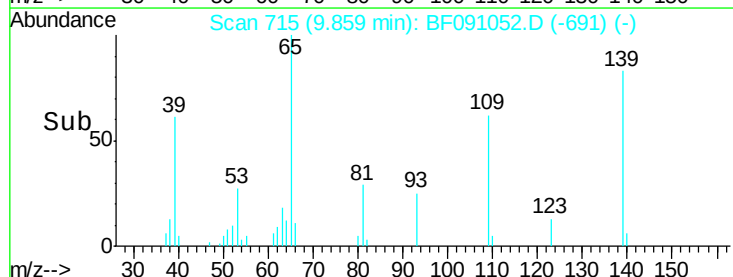
65 120.9 97.1 137.1

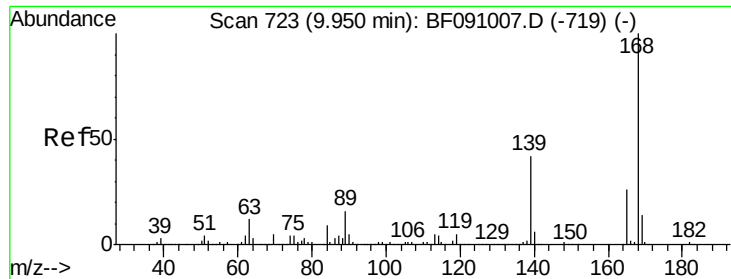


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

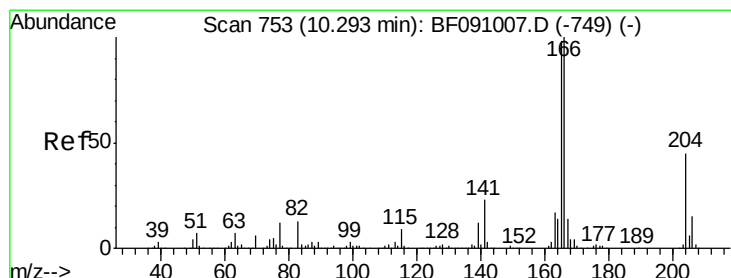
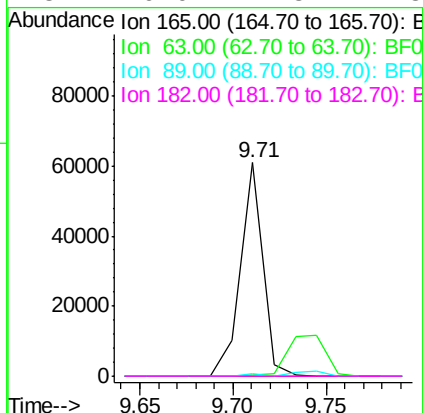
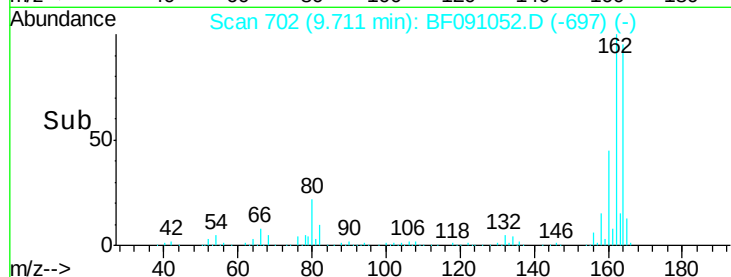
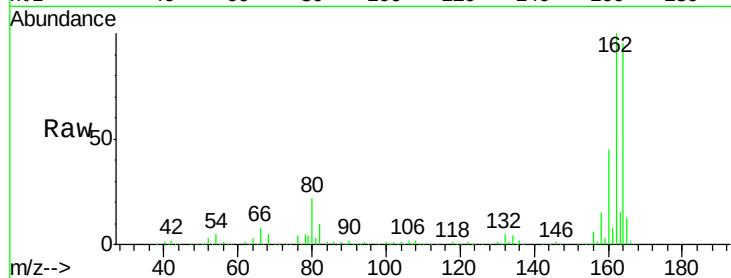




#56
2,4-Dinitrotoluene
Concen: 7.32 ng
RT: 9.71 min Scan# 702
Delta R.T. -0.24 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

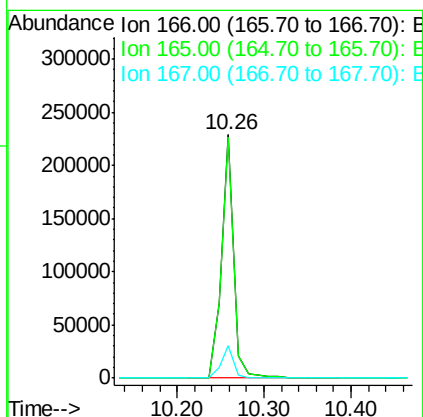
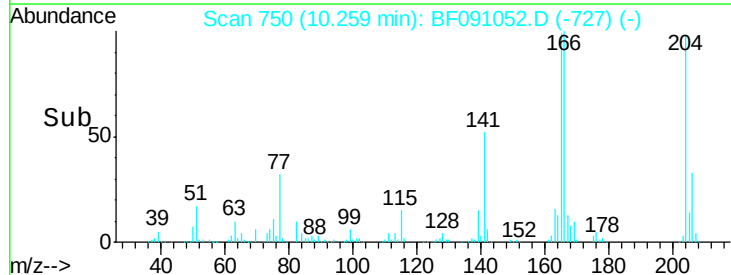
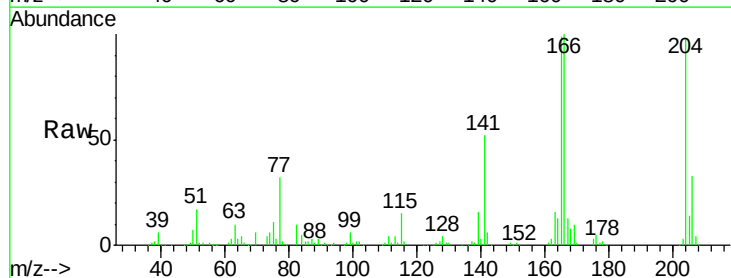
Instrument :
BNA_F
ClientSampled :

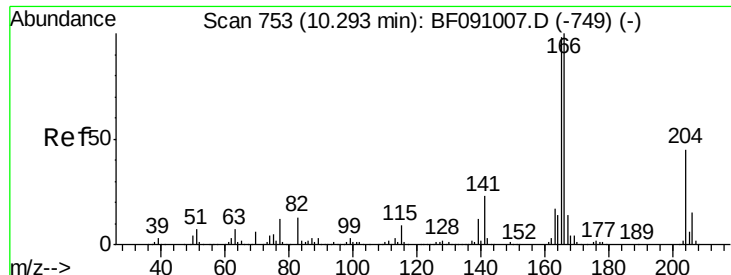
Tot Ion:165 Resp: 51586
Ion Ratio Lower Upper
165 100
63 0.9 38.7 58.1#
89 1.0 50.6 76.0#
182 0.0 1.8 2.8#



#57
Fluorene
Concen: 9.72 ng
RT: 10.26 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:166 Resp: 228698
Ion Ratio Lower Upper
166 100
165 98.8 78.6 118.0
167 13.1 11.1 16.7

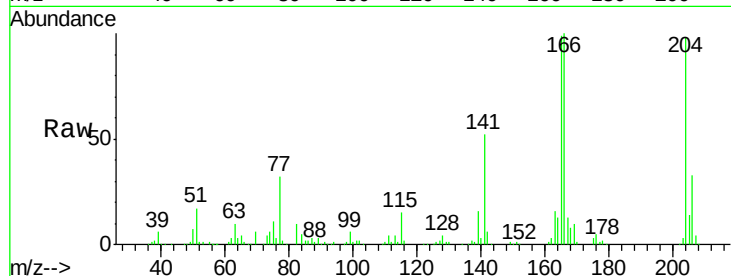




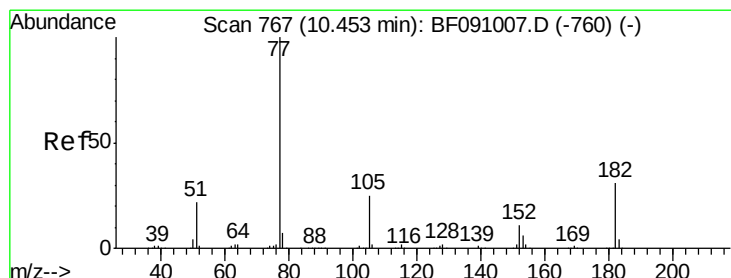
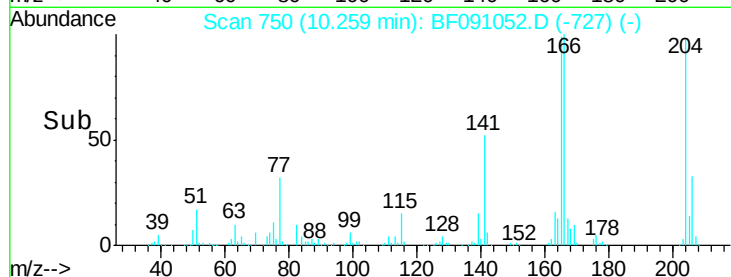
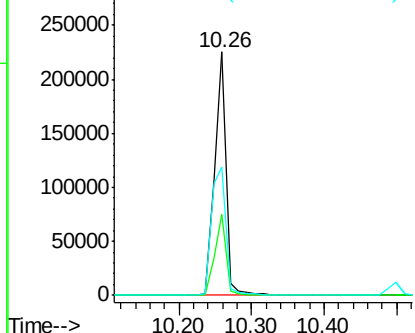
#60
4-Chlorophenyl-phenylether
Concen: 22.92 ng
RT: 10.26 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:204 Resp: 245399
Ion Ratio Lower Upper
204 100
206 33.3 27.1 40.7
141 52.8 40.1 60.1

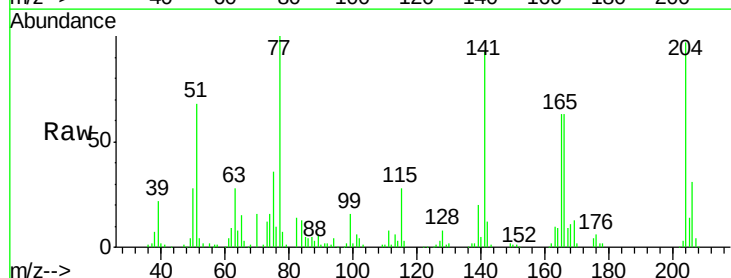


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

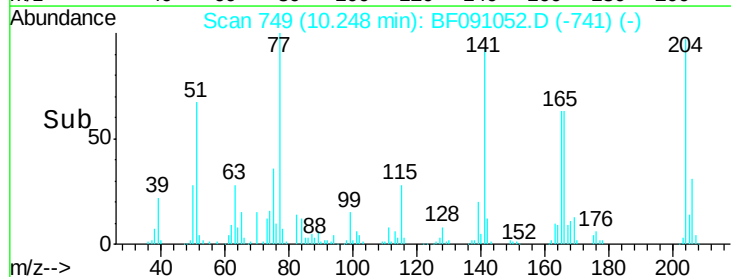
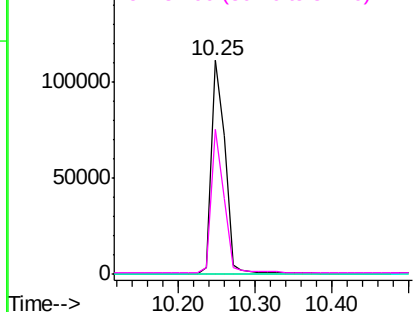


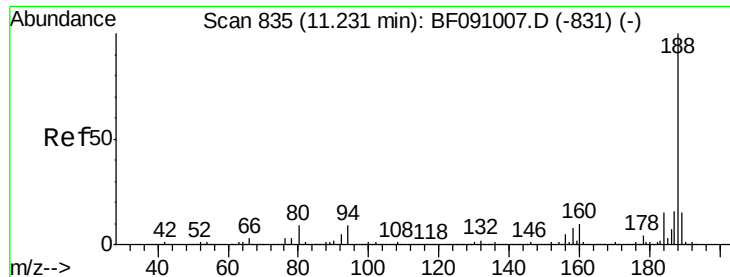
#62
Azobenzene
Concen: 4.38 ng
RT: 10.25 min Scan# 749
Delta R.T. -0.21 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion: 77 Resp: 136578
Ion Ratio Lower Upper
77 100
182 0.0 11.0 51.0#
105 0.0 5.6 45.6#
51 68.0 2.7 42.7#



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

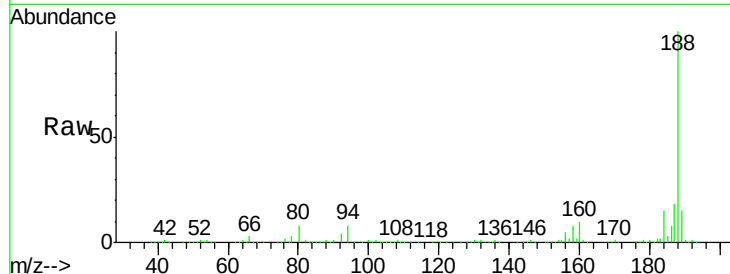




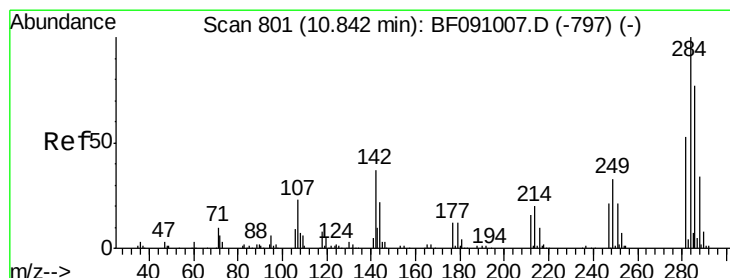
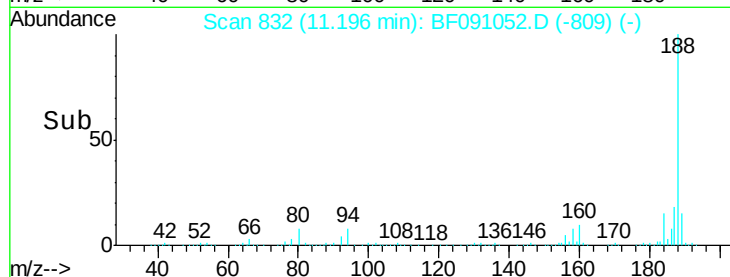
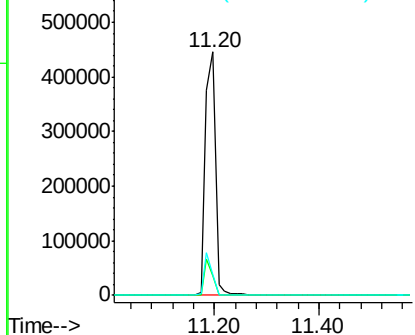
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 832
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 597546
 Ion Ratio Lower Upper
 188 100
 94 7.8 7.0 10.4
 80 8.4 7.5 11.3

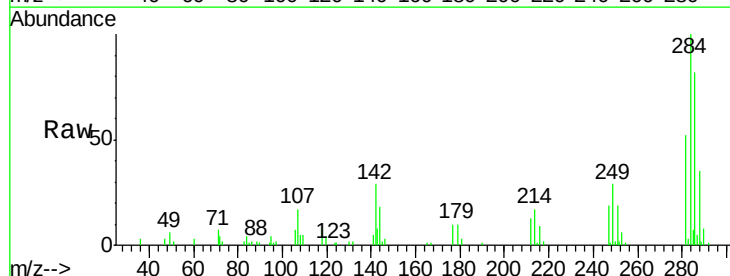


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

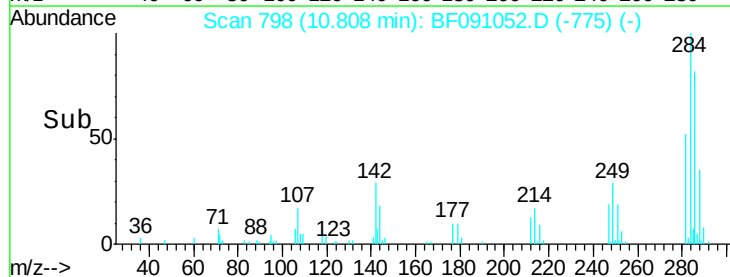
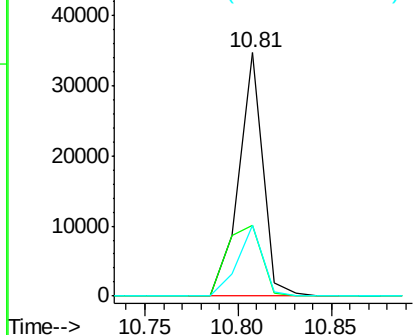


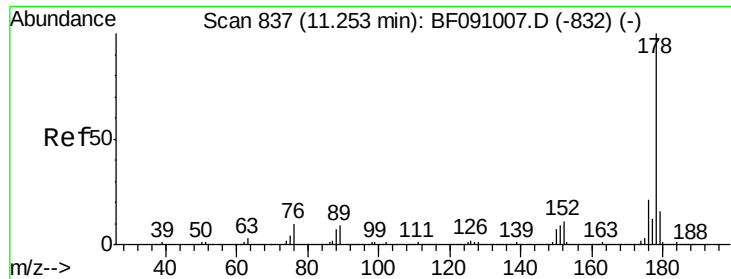
#67
 Hexachlorobenzene
 Concen: 4.57 ng
 RT: 10.81 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion:284 Resp: 31321
 Ion Ratio Lower Upper
 284 100
 142 28.8 29.9 44.9#
 249 29.2 26.6 39.8



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

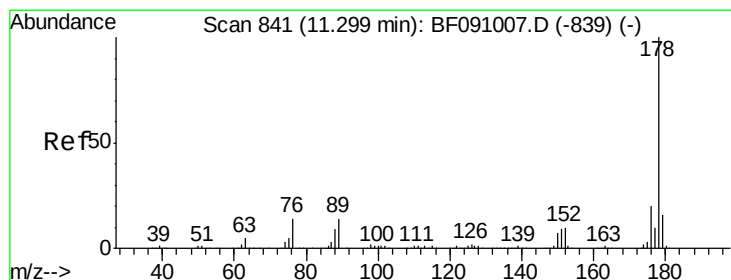
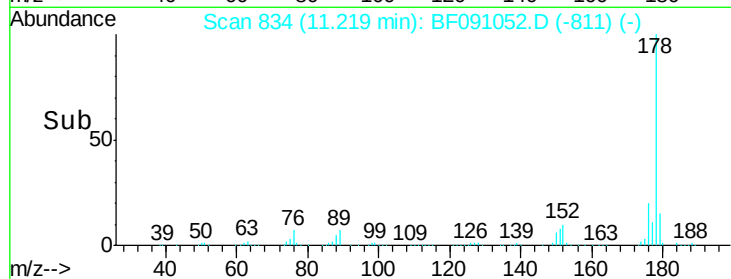
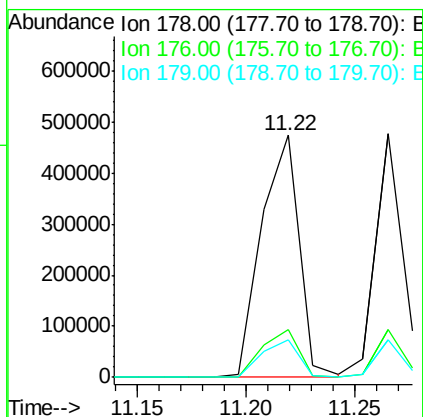
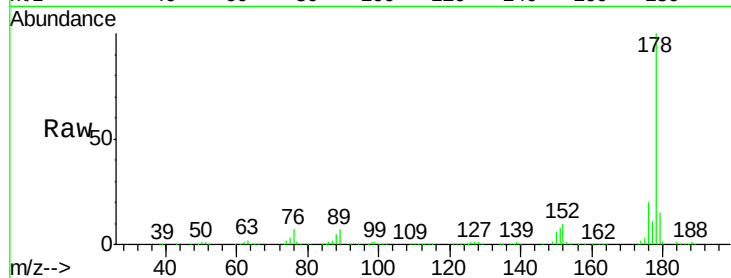




#70
Phenanthrene
Concen: 18.08 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

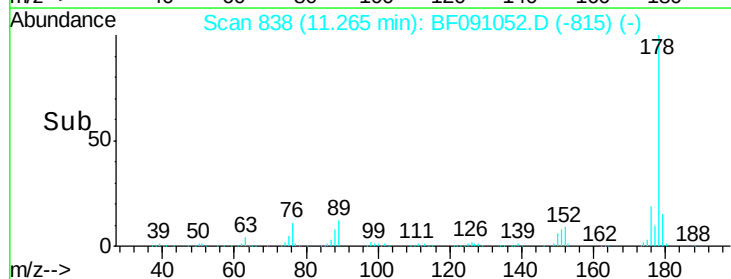
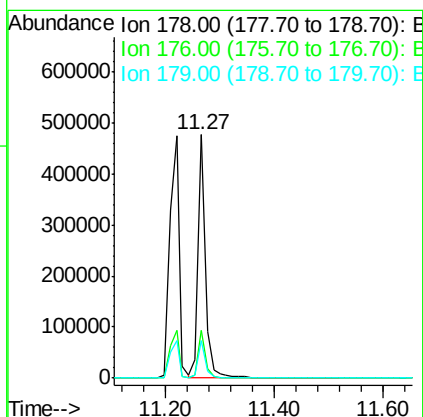
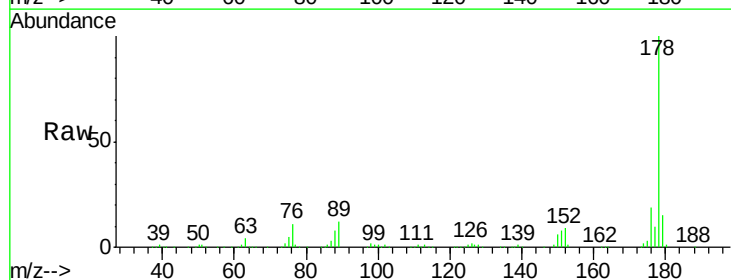
Instrument :
BNA_F
ClientSampleId :

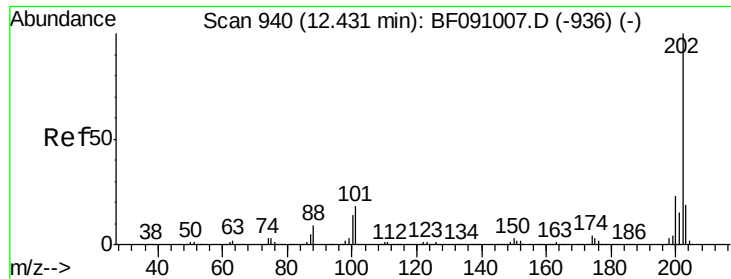
Tot Ion:178 Resp: 574259
Ion Ratio Lower Upper
178 100
176 19.8 16.6 25.0
179 15.2 12.9 19.3



#71
Anthracene
Concen: 13.18 ng
RT: 11.27 min Scan# 838
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:178 Resp: 445218
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 13.0 19.6

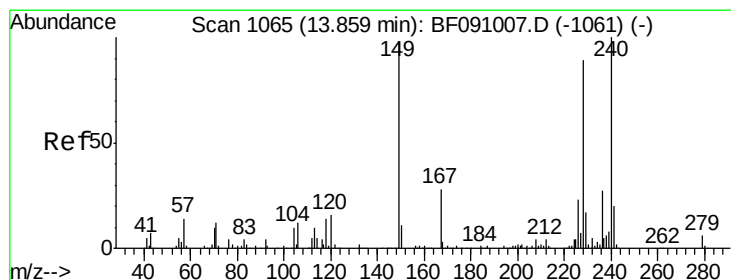
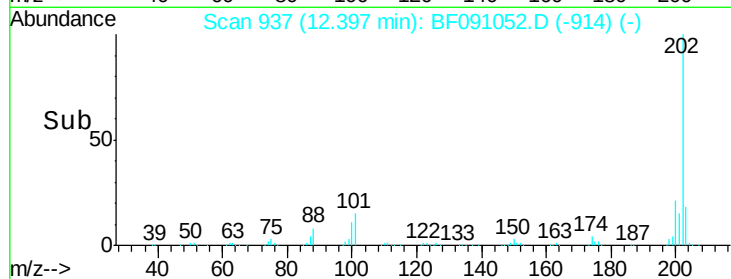
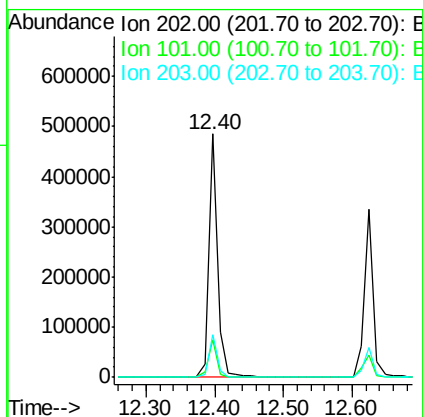
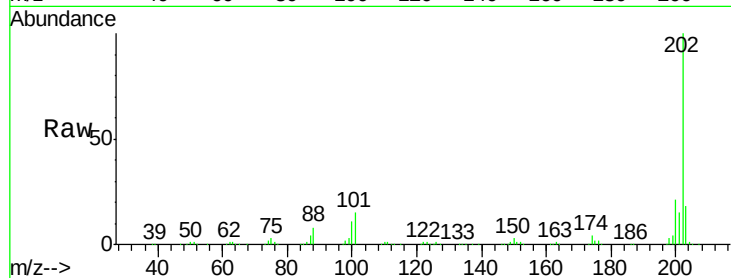




#74
Fluoranthene
Concen: 13.13 ng
RT: 12.40 min Scan# 937
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

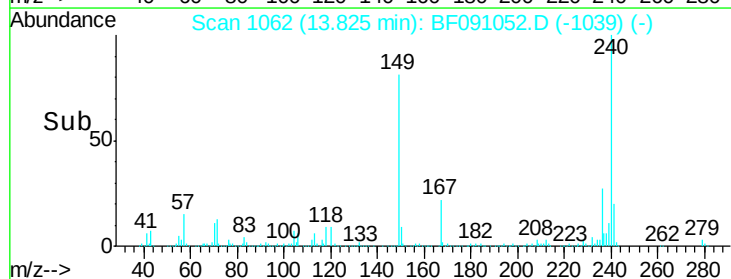
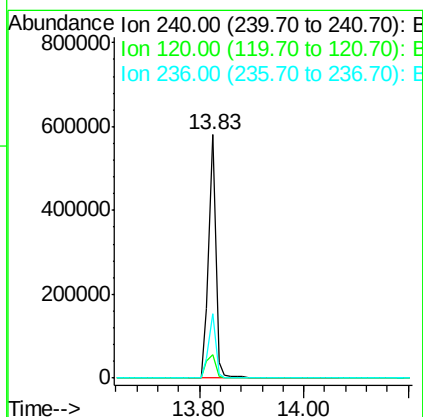
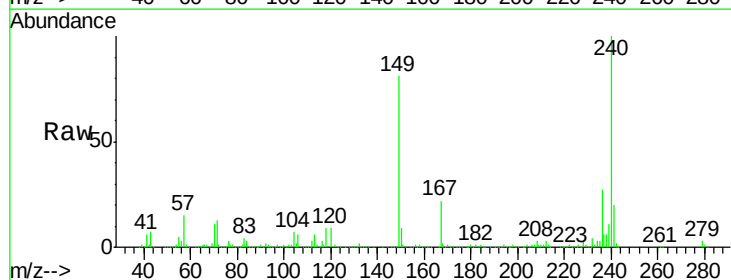
Instrument :
BNA_F
ClientSampleId :

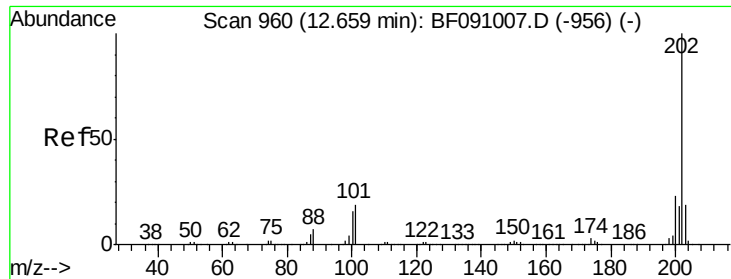
Tot Ion:202 Resp: 432540
Ion Ratio Lower Upper
202 100
101 15.2 0.0 37.6
203 17.6 0.0 38.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1062
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:240 Resp: 561126
Ion Ratio Lower Upper
240 100
120 9.5 12.9 19.3#
236 26.5 21.9 32.9

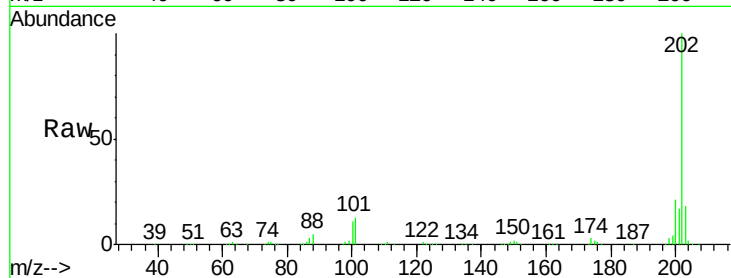




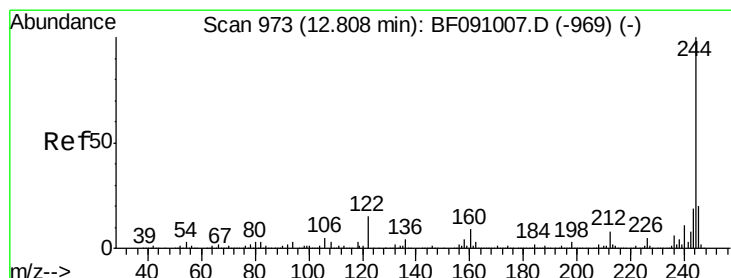
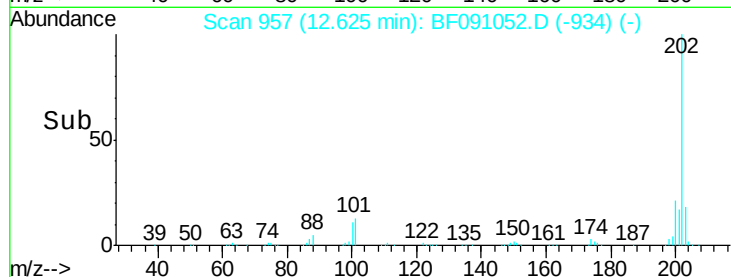
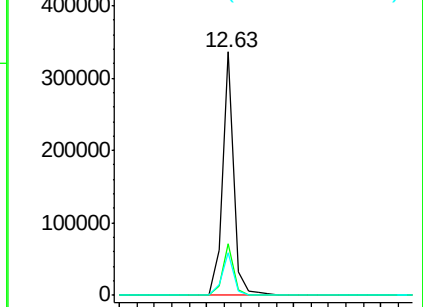
#77
 Pvrene
 Concen: 8.34 ng
 RT: 12.63 min Scan# 957
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	18.4	27.6
203	17.7	15.0	22.6

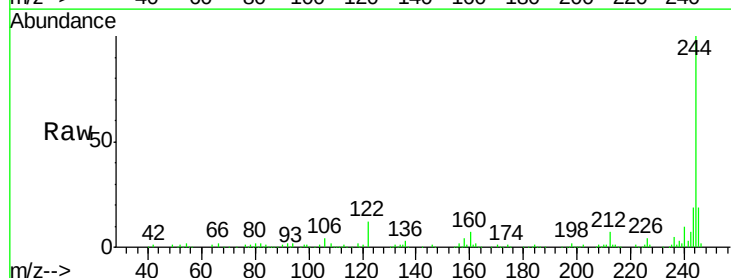


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

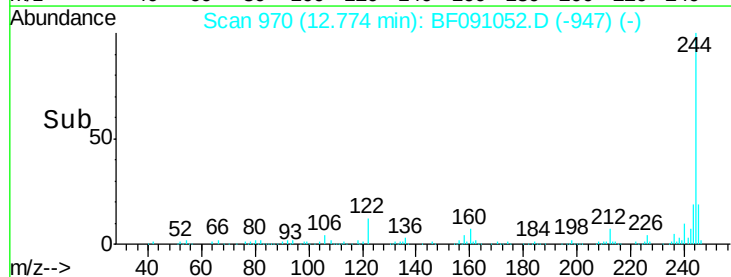
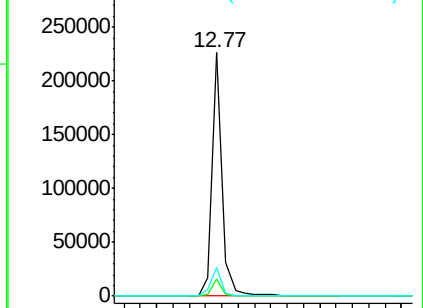


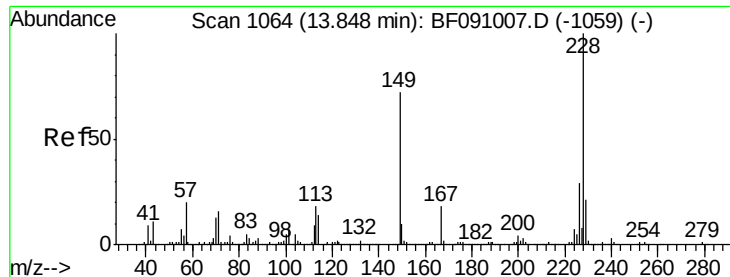
#78
 Terphenyl-d14
 Concen: 8.82 ng
 RT: 12.77 min Scan# 970
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	12.0	12.3	18.5



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

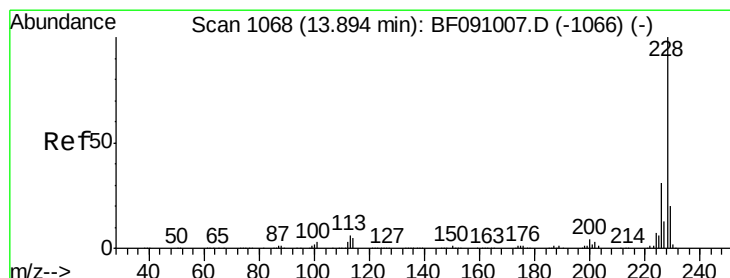
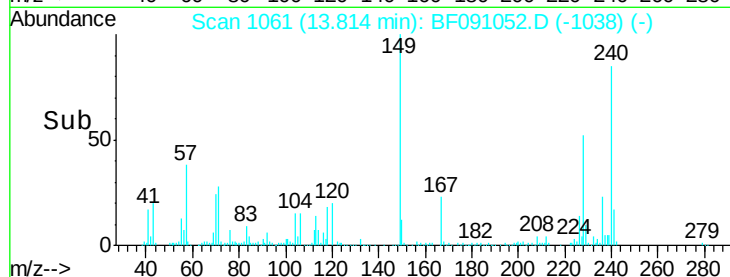
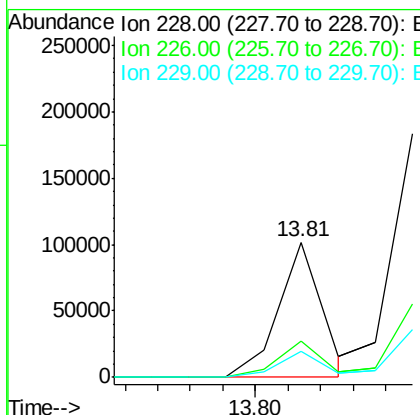
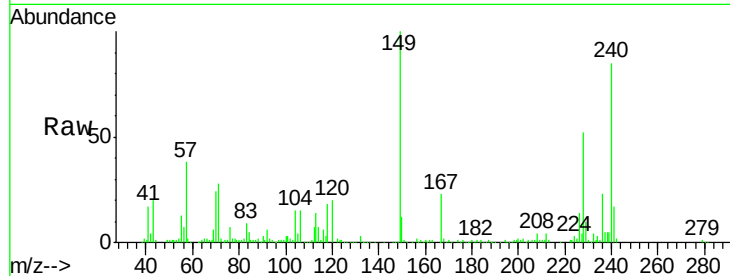




#80
Benzo(a)anthracene
Concen: 2.99 ng
RT: 13.81 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

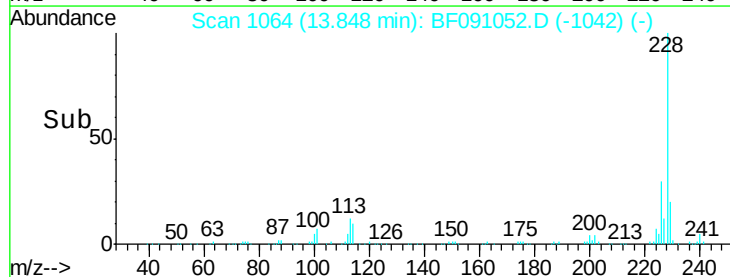
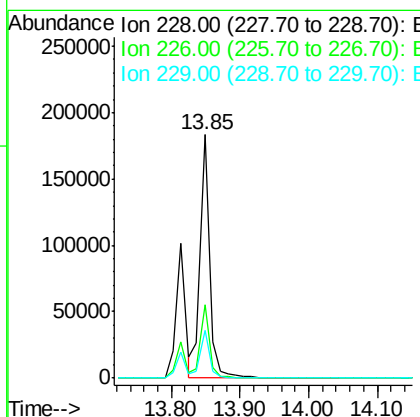
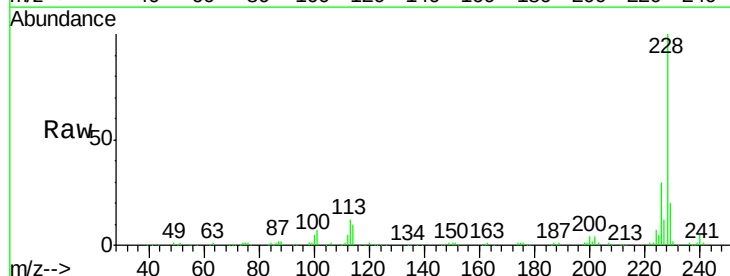
Instrument :
BNA_F
ClientSampled :

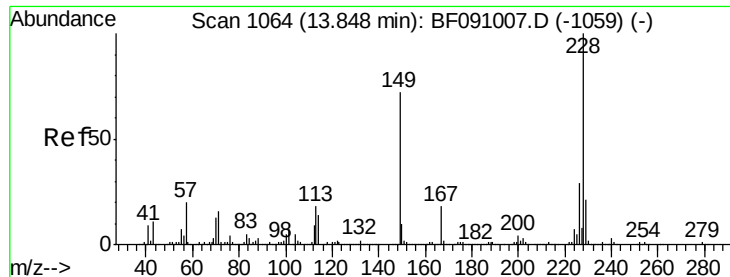
Tot Ion:228 Resp: 95183
Ion Ratio Lower Upper
228 100
226 26.5 23.0 34.6
229 19.7 16.6 24.8



#82
Chrysene
Concen: 5.56 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.05 min
Lab File: BF091052.D
Acq: 7 Nov 2016 13:37

Tgt Ion:228 Resp: 174802
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 19.8 15.9 23.9

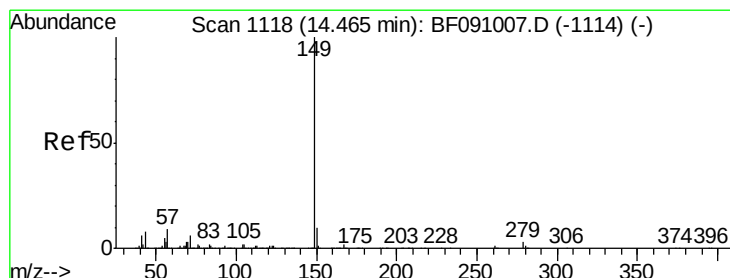
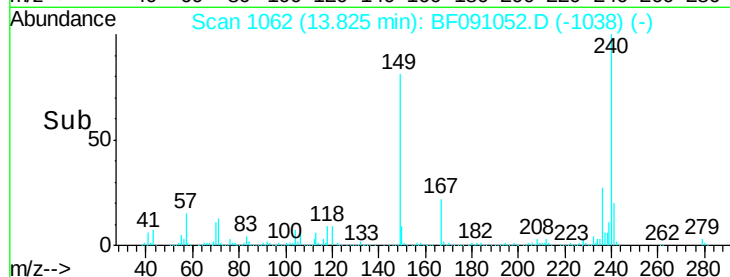
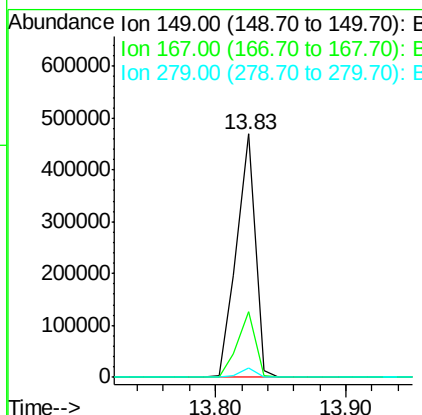
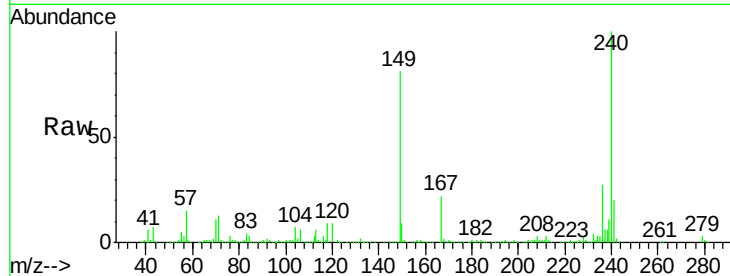




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.73 ng
 RT: 13.83 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

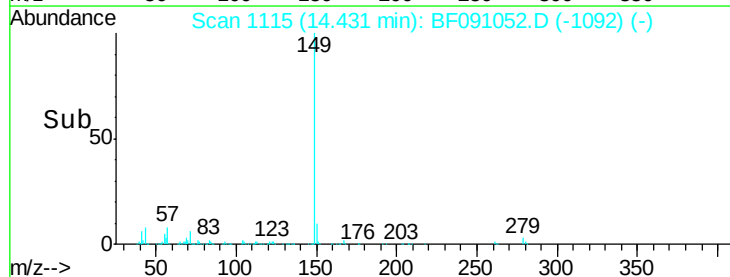
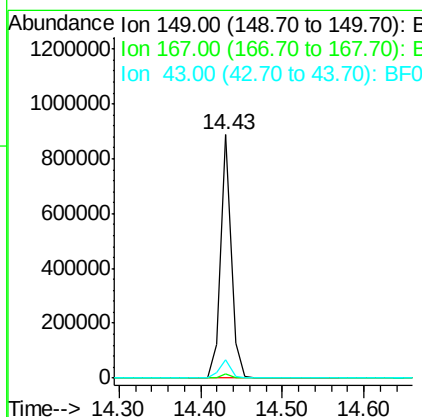
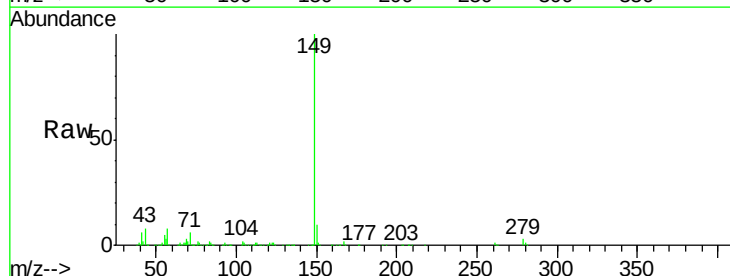
Instrument :
 BNA_F
 ClientSampleId :

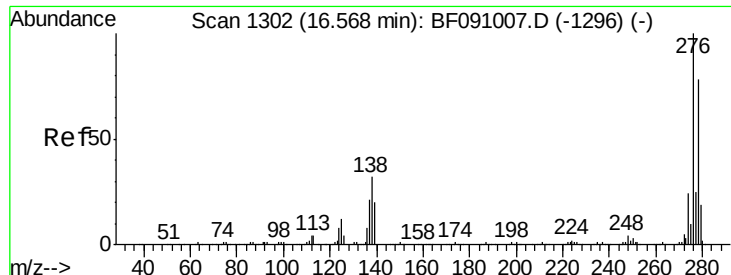
Tot Ion:149 Resp: 469309
 Ion Ratio Lower Upper
 149 100
 167 27.2 20.4 30.6
 279 3.9 1.6 2.4#



#84
 Di-n-octyl phthalate
 Concen: 20.16 ng
 RT: 14.43 min Scan# 1115
 Delta R.T. -0.03 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion:149 Resp: 788363
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 8.3 8.2 12.4

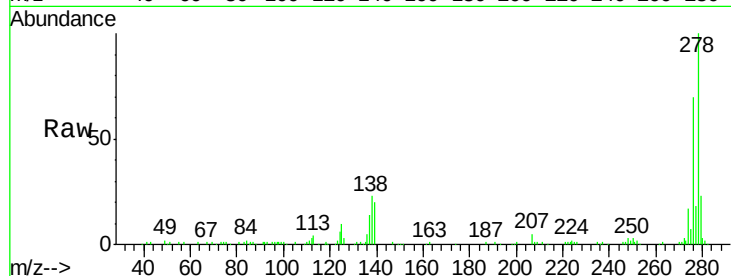




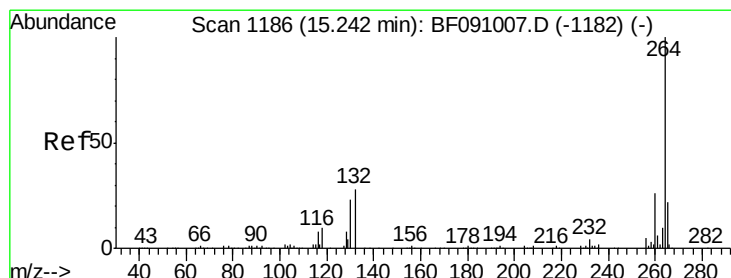
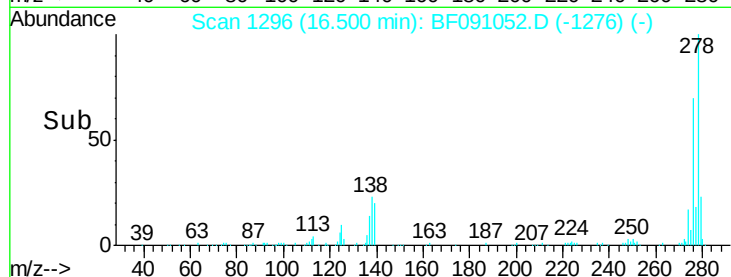
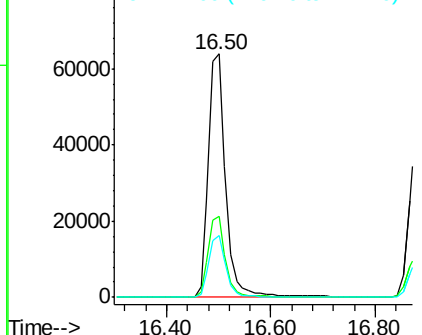
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.66 ng
 RT: 16.50 min Scan# 1296
 Delta R.T. -0.07 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 147619
 Ion Ratio Lower Upper
 276 100
 138 33.1 26.0 39.0
 277 24.9 20.1 30.1

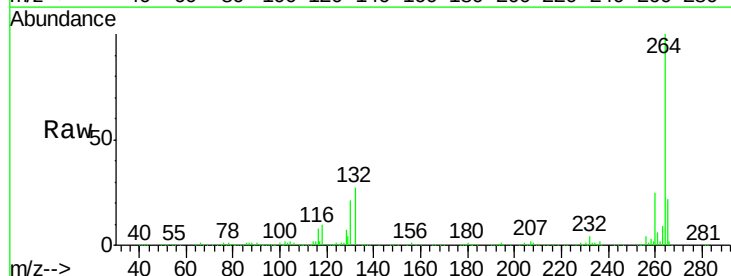


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

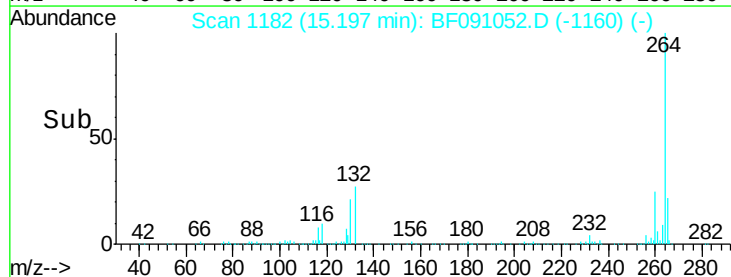
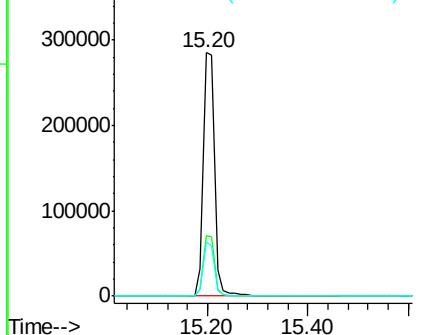


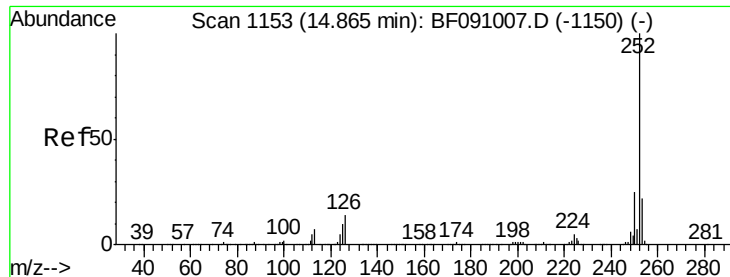
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.20 min Scan# 1182
 Delta R.T. -0.05 min
 Lab File: BF091052.D
 Acq: 7 Nov 2016 13:37

Tgt Ion:264 Resp: 449624
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.6 30.8
 265 22.0 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.14 ng

RT: 14.82 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Instrument :

BNA_F

ClientSampled :

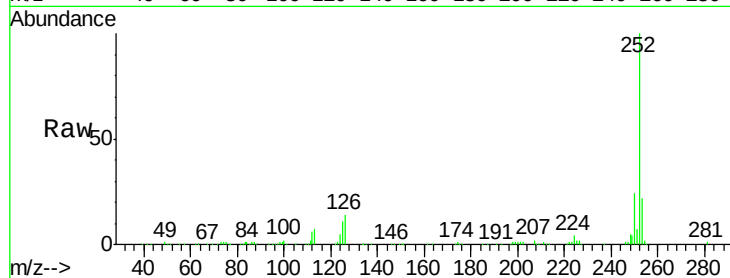
Tot Ion:252 Resp: 187209

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

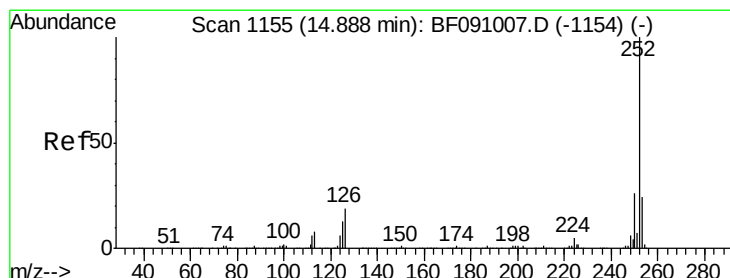
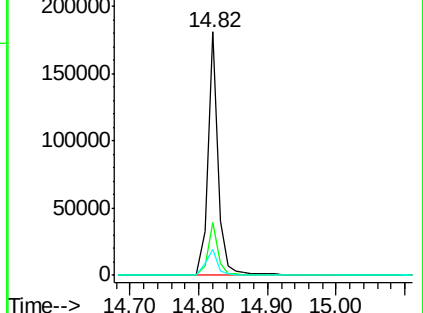
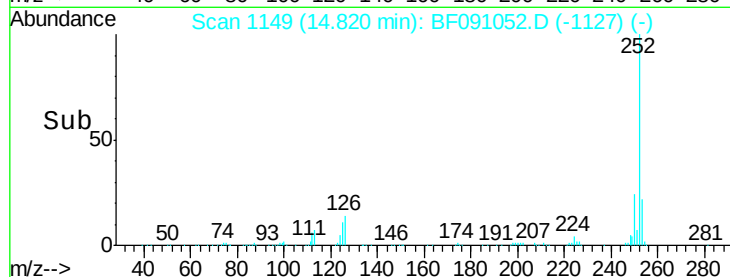
125 10.6 8.3 12.5



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



#88

Benzo(k)fluoranthene

Concen: 7.00 ng

RT: 14.82 min Scan# 1149

Delta R.T. -0.07 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

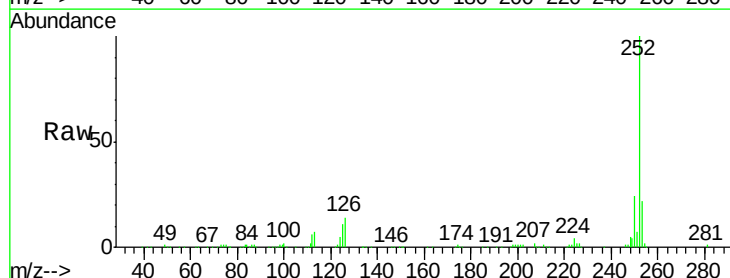
Tgt Ion:252 Resp: 187209

Ion Ratio Lower Upper

252 100

253 21.7 18.6 28.0

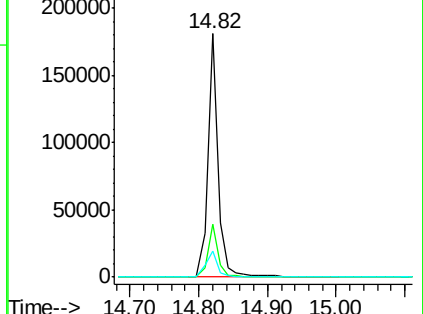
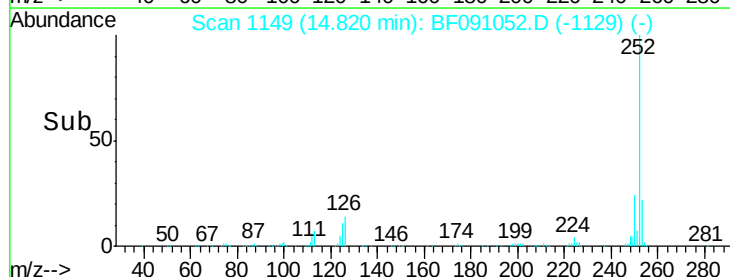
125 10.6 11.2 16.8#

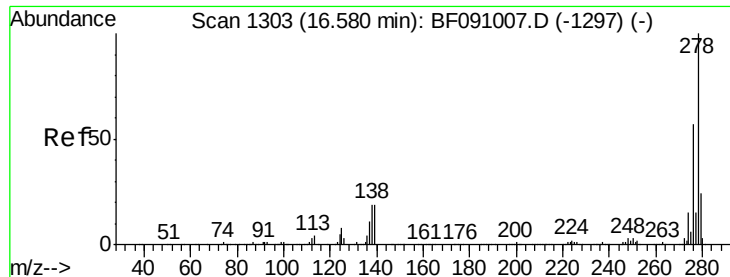


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 8.15 ng

RT: 16.50 min Scan# 1296

Delta R.T. -0.08 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

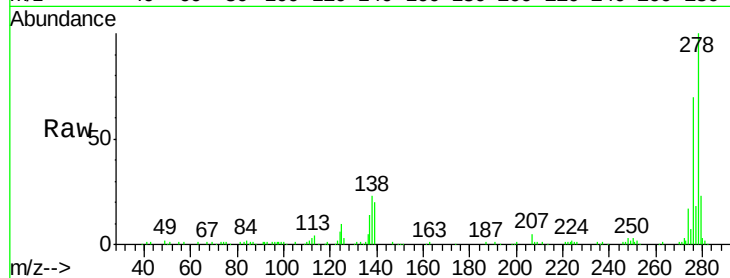
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 187108

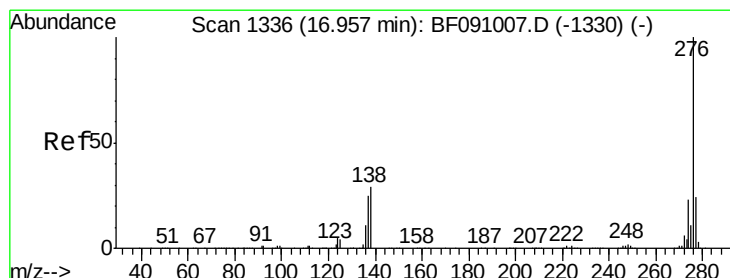
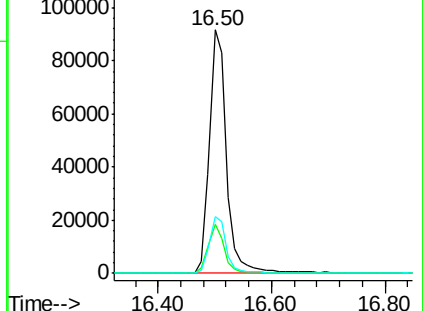
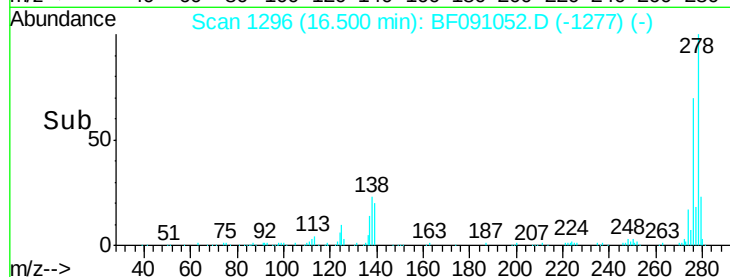
Ion	Ratio	Lower	Upper
278	100		
139	20.2	15.3	22.9
279	23.1	19.3	28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.15 ng

RT: 16.88 min Scan# 1329

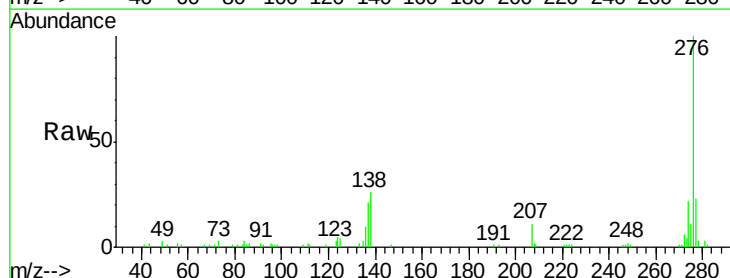
Delta R.T. -0.08 min

Lab File: BF091052.D

Acq: 7 Nov 2016 13:37

Tgt Ion:276 Resp: 86221

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.2	28.8
138	25.6	23.3	34.9



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

