

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094314.D
 Acq On : 10 Apr 2017 16:38
 Operator : SJ/MA
 Sample : I1320-07RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:47:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.84	152	165107	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	678330	20.00	ng	-0.02
38) Acenaphthene-d10	9.48	164	298219	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	519029	20.00	ng	-0.02
75) Chrysene-d12	14.56	240	376789	20.00	ng	-0.01
86) Perylene-d12	16.18	264	267194	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.26	112	297	0.03	ng	-0.12
7) Phenol-d6	5.47	99	707221	58.48	ng	0.00
23) Nitrobenzene-d5	6.49	82	384759	32.37	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	8.57	172	502	0.03	ng	-0.11
78) Terphenyl-d14	13.27	244	150	0.01	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.17	88	105511	22.47	ng	97
8) 2-Chlorophenol	5.61	128	332905	30.98	ng	96
9) Benzaldehyde	5.33	77	385092	47.16	ng	99
10) Phenol	5.49	94	547015	39.75	ng	92
19) n-Nitroso-di-n-propylamine	6.32	70	264587	34.04	ng	92
24) Nitrobenzene	6.51	77	304020	25.93	ng	91
26) 2-Nitrophenol	6.89	139	180853	32.35	ng	95
29) 2,4-Dichlorophenol	7.20	162	291682	32.39	ng	99
31) Naphthalene	7.37	128	709838	21.76	ng	99
34) Hexachlorobutadiene	7.52	225	151513	31.85	ng	98
35) Caprolactam	8.07	113	13968	4.86	ng	# 12
36) 4-Chloro-3-methylphenol	8.07	107	499615	53.09	ng	91
37) 2-Methylnaphthalene	8.33	142	623179	28.66	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.42	216	225655	27.66	ng	99
42) 2,4,6-Trichlorophenol	8.57	196	291232	50.46	ng	97
43) 2,4,5-Trichlorophenol	8.57	196	291232	46.63	ng	# 93
45) 1,1'-Biphenyl	8.79	154	831721	34.58	ng	98
46) 2-Chloronaphthalene	8.80	162	407929	21.66	ng	96
48) Acenaphthylene	9.52	152	273889	8.75	ng	# 1
49) Dimethylphthalate	9.17	163	608278	28.69	ng	99
50) 2,6-Dinitrotoluene	9.24	165	163034	33.55	ng	91
51) Acenaphthene	9.52	154	507344	27.78	ng	99
54) Dibenzofuran	9.73	168	651487	26.21	ng	99
55) 4-Nitrophenol	9.71	139	151609	33.93	ng	# 72
58) 2,3,4,6-Tetrachlorophenol	9.90	232	132777	30.98	ng	98
60) 4-Chlorophenyl-phenylether	10.16	204	215707	24.56	ng	92
64) 4,6-Dinitro-2-methylphenol	10.24	198	181553	57.12	ng	# 73
67) Hexachlorobenzene	10.83	284	143287	27.73	ng	# 89
68) Atrazine	11.09	200	25959	4.83	ng	# 36
69) Pentachlorophenol	11.09	266	124416	38.68	ng	97
70) Phenanthrene	11.33	178	720431	24.95	ng	98
71) Anthracene	11.40	178	798259	26.85	ng	98
72) Carbazole	11.61	167	786654	25.81	ng	98
73) Di-n-butylphthalate	12.05	149	827944	26.12	ng	99

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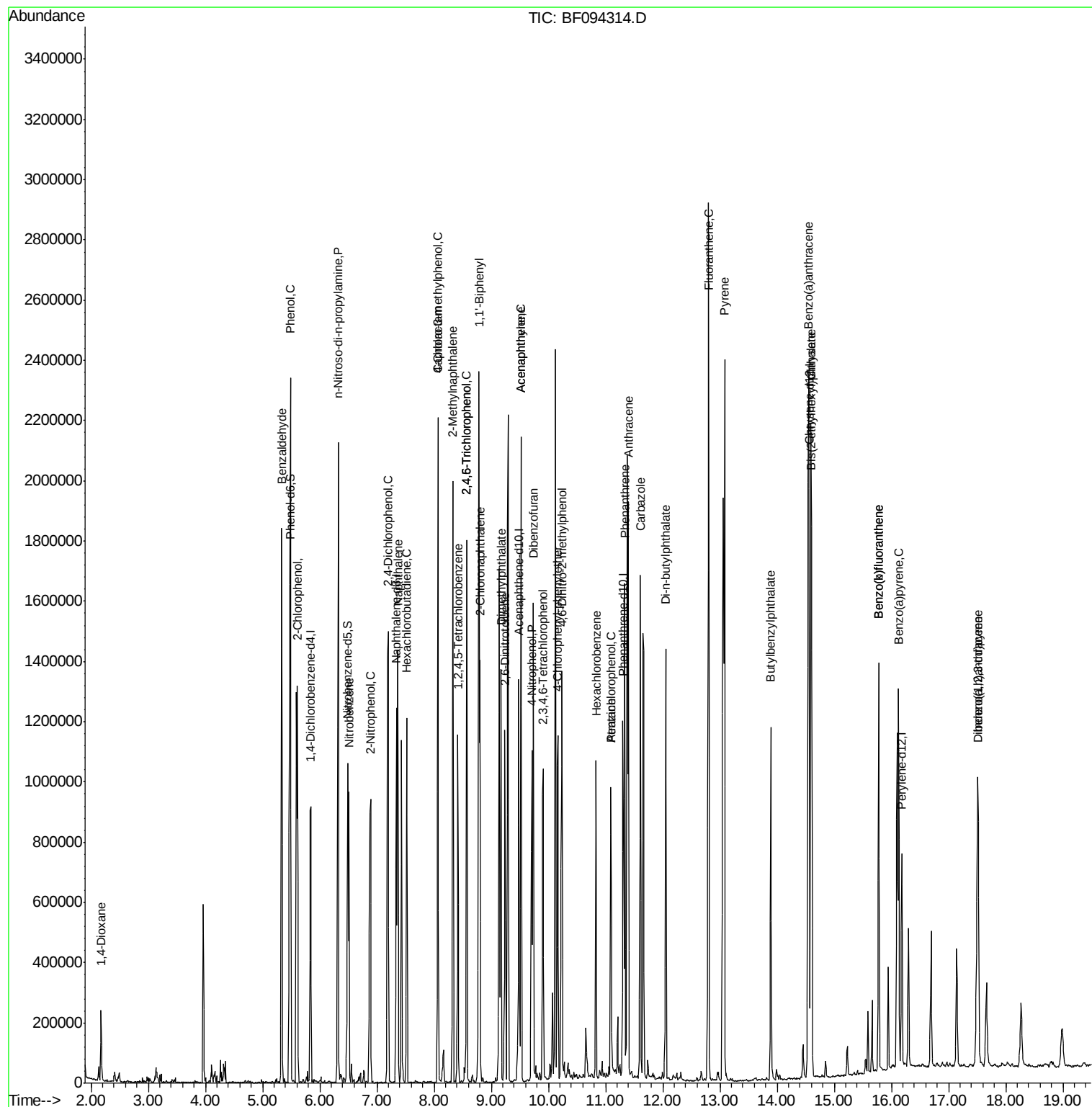
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.80	202	1461231	49.42	ng	99
77) Pyrene	13.08	202	1073858	39.27	ng	100
79) Butylbenzylphthalate	13.89	149	332593	28.55	ng	89
80) Benzo(a)anthracene	14.55	228	1010357	45.98	ng	98
82) Chrysene	14.59	228	692410	33.96	ng	100
83) Bis(2-ethylhexyl)phthalate	14.60	149	548811	34.53	ng	100
85) Indeno(1,2,3-cd)pyrene	17.50	276	585755	33.17	ng	99
87) Benzo(b)fluoranthene	15.78	252	577995	35.29	ng	98
88) Benzo(k)fluoranthene	15.78	252	577995	36.07	ng	# 95
89) Benzo(a)pyrene	16.13	252	494631	32.80	ng	99
90) Dibenzo(a,h)anthracene	17.52	278	375678	29.41	ng	98

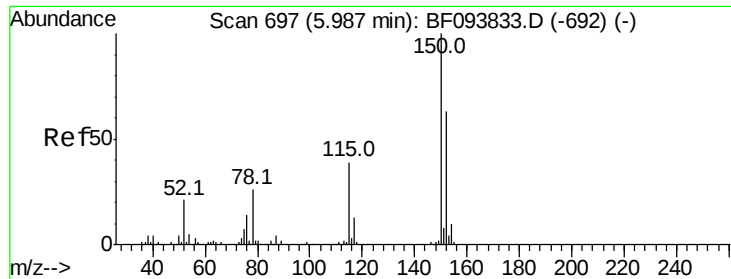
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.84 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

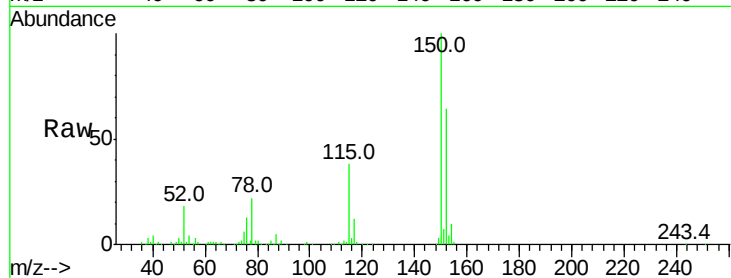
Tot Ion:152 Resp: 165107

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

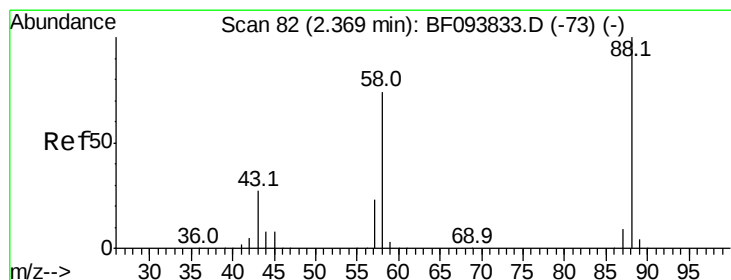
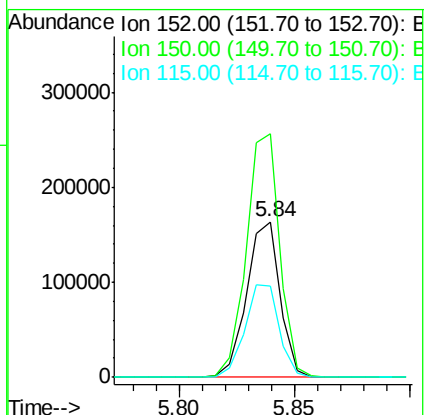
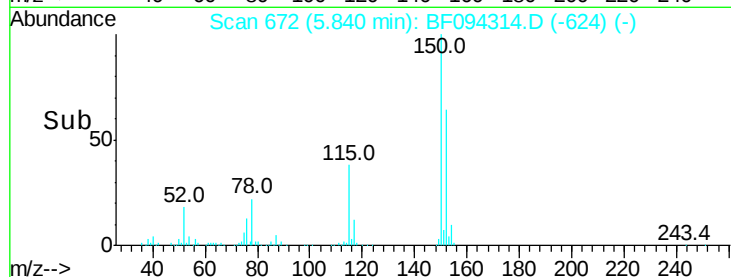
115 58.6 52.2 78.2



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: 22.47 ng

RT: 2.17 min Scan# 48

Delta R.T. -0.04 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

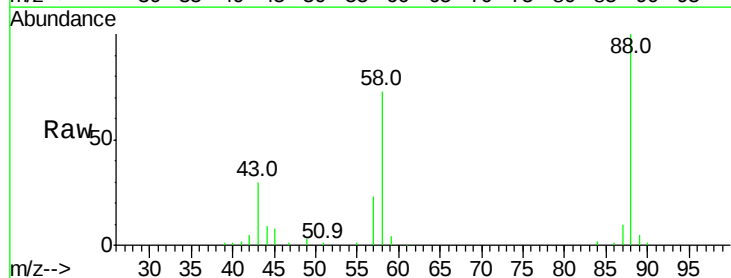
Tgt Ion: 88 Resp: 105511

Ion Ratio Lower Upper

88 100

58 73.5 61.4 92.0

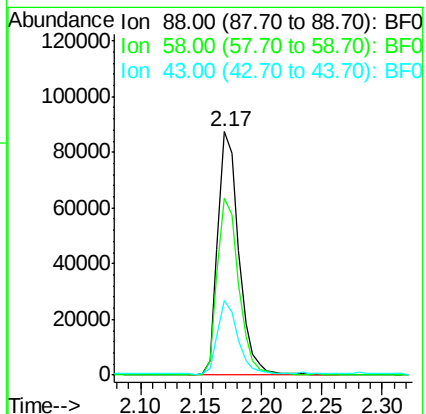
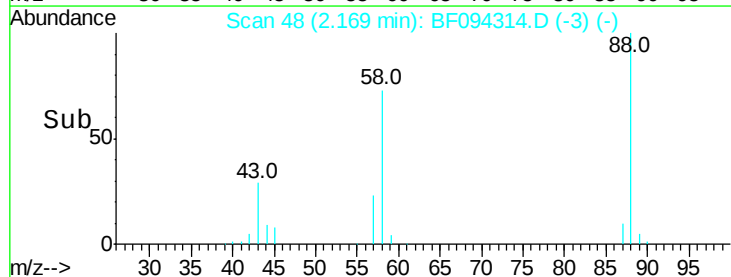
43 29.1 23.4 35.0

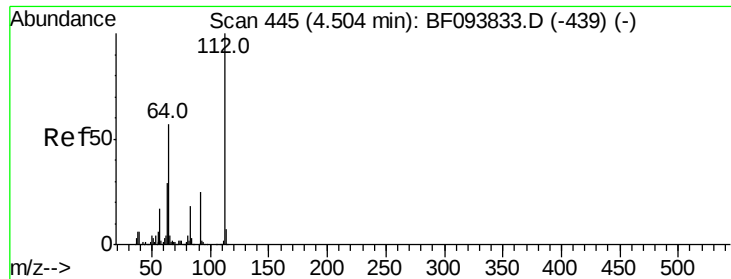


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 0.03 ng

RT: 4.26 min Scan# 404

Delta R.T. -0.12 min

Lab File: BF094314.D

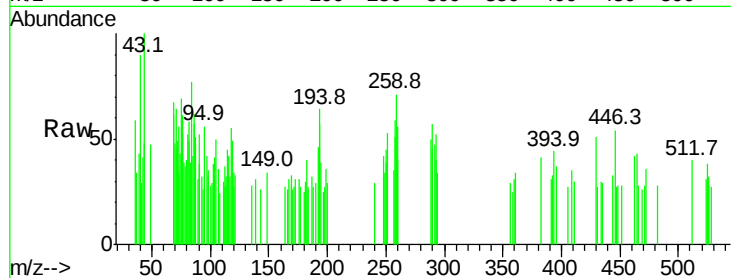
Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	112	Resp:	297
Ion Ratio	Lower	Upper	
112	100		
64	0.0	46.0	69.0#
63	0.0	23.4	35.0#



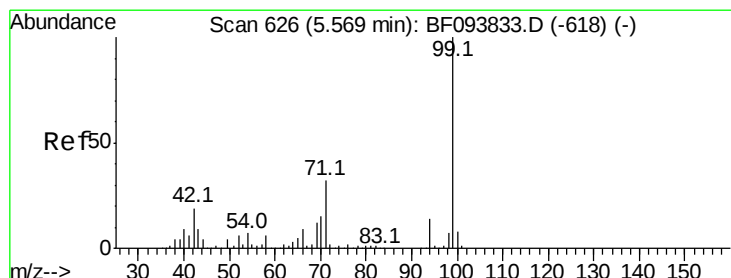
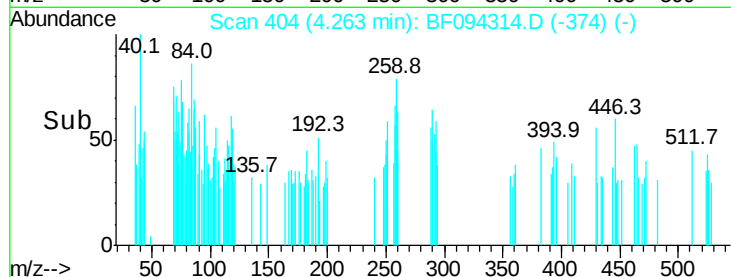
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

4.26

Time-->



#7

Phenol-d6

Concen: 58.48 ng

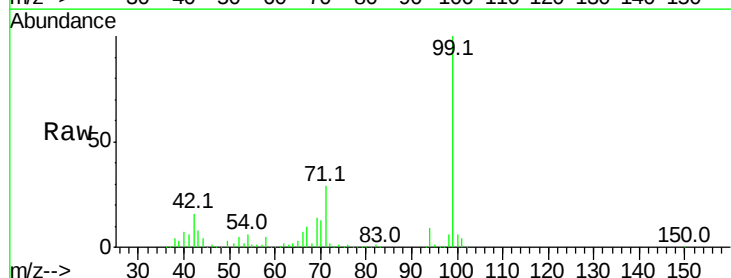
RT: 5.47 min Scan# 609

Delta R.T. 0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Tgt Ion:	99	Resp:	707221
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	29.0	24.5	36.7



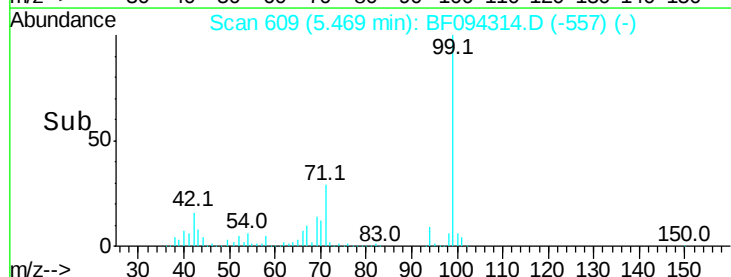
Abundance Ion 99.00 (98.70 to 99.70): BF0

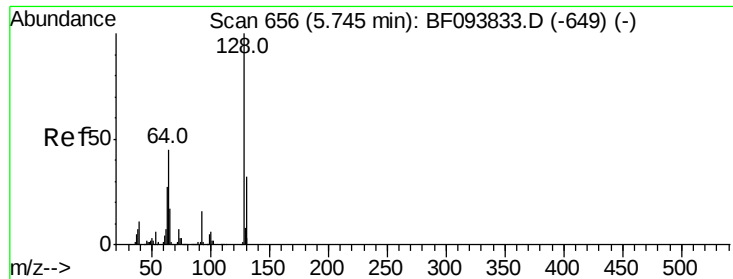
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

5.47

Time-->





#8

2-Chlorophenol

Concen: 30.98 ng

RT: 5.61 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

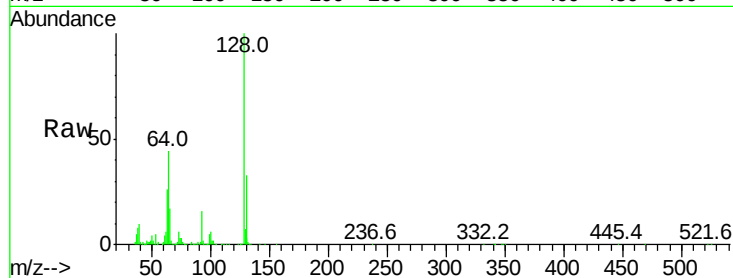
Tot Ion:128 Resp: 332905

Ion Ratio Lower Upper

128 100

130 33.4 12.9 52.9

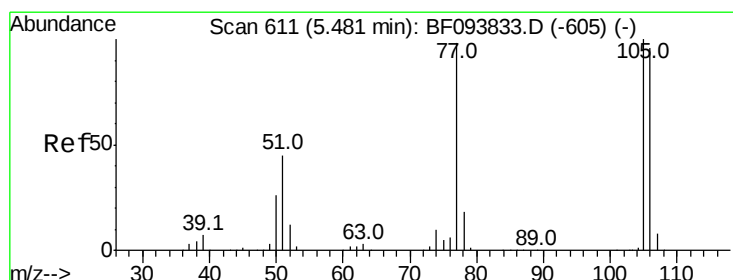
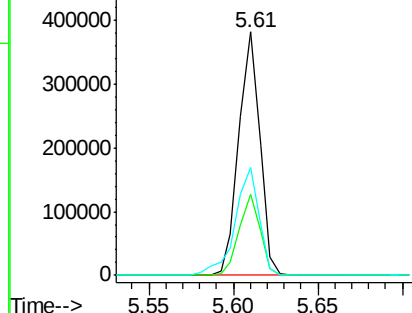
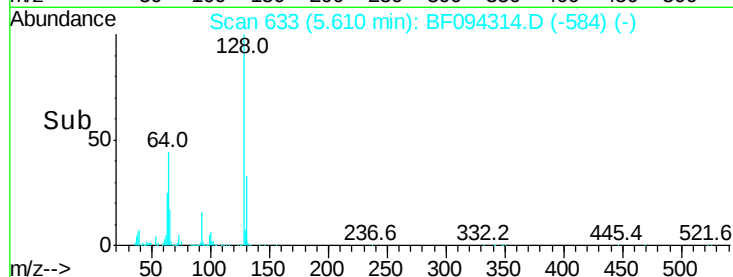
64 44.3 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): B

Ion 130.00 (129.70 to 130.70): B

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 47.16 ng

RT: 5.33 min Scan# 586

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

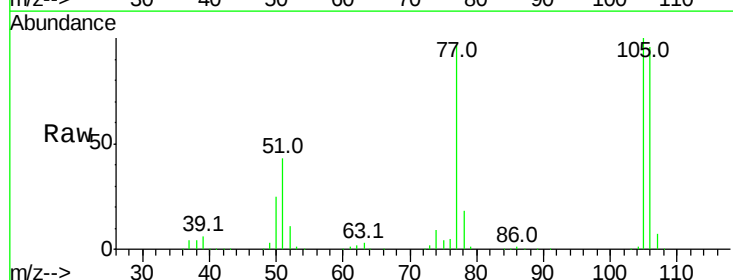
Tgt Ion: 77 Resp: 385092

Ion Ratio Lower Upper

77 100

105 102.8 83.8 123.8

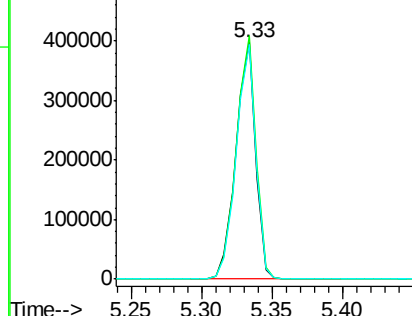
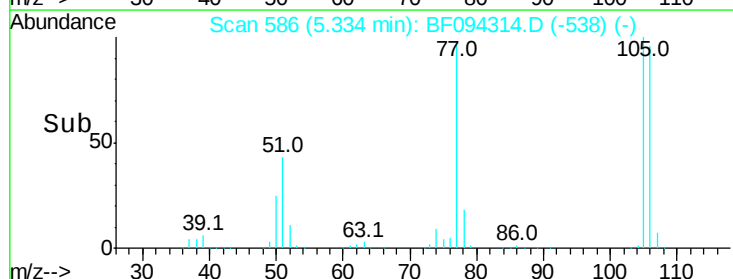
106 98.9 79.1 119.1

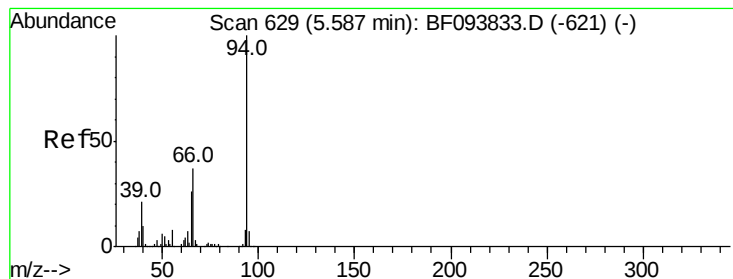


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 39.75 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

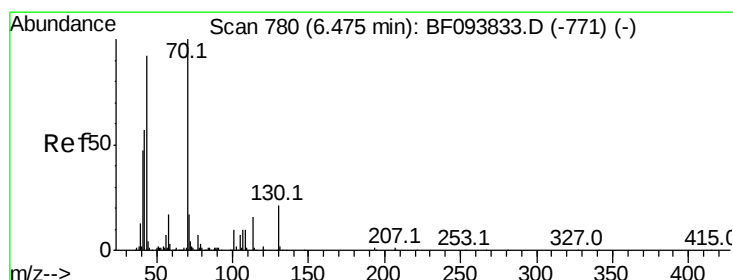
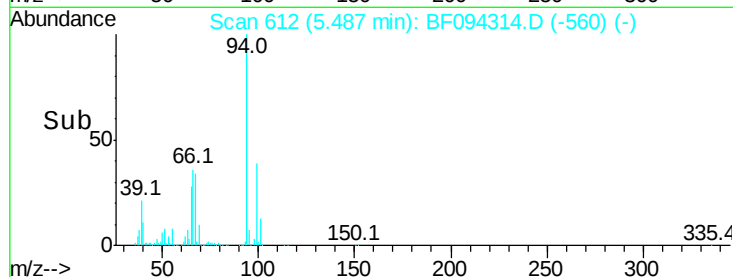
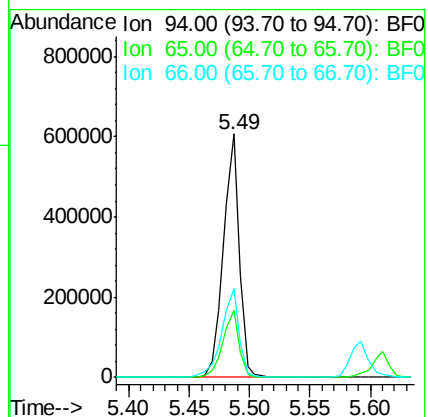
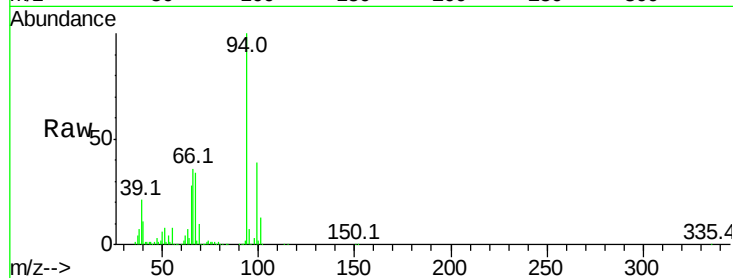
Tot Ion: 94 Resp: 547015

Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

66 36.4 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 34.04 ng

RT: 6.32 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Tgt Ion: 70 Resp: 264587

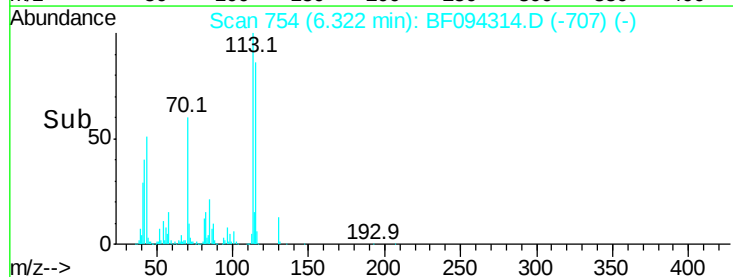
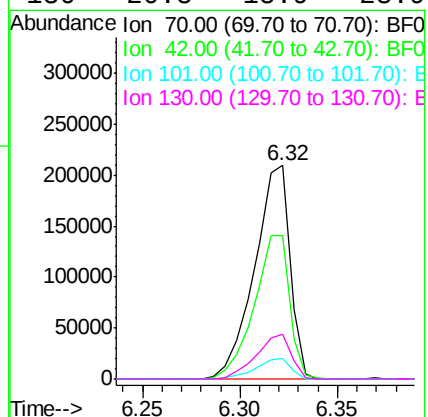
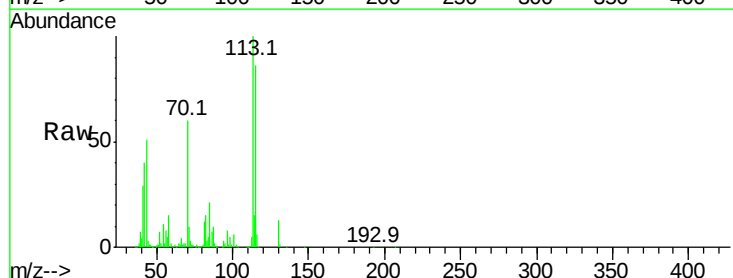
Ion Ratio Lower Upper

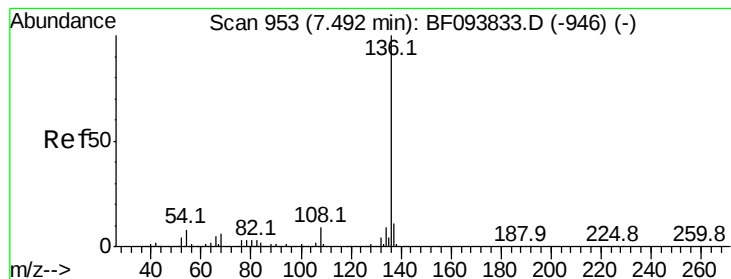
70 100

42 66.9 47.2 70.8

101 9.6 7.2 10.8

130 20.8 15.9 23.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

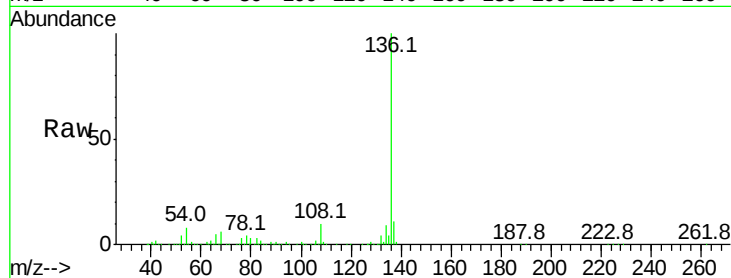
BNA_F

ClientSampled :

Tot Ion:136 Resp: 678330

Ion Ratio Lower Upper

136	100		
137	10.9	8.5	12.7
54	7.8	4.9	7.3#
68	6.0	4.1	6.1

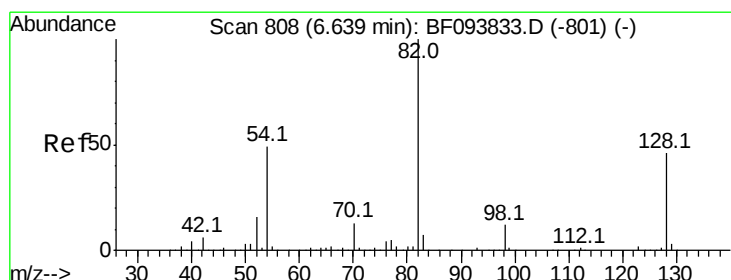
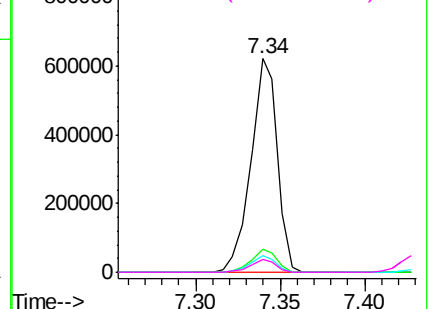
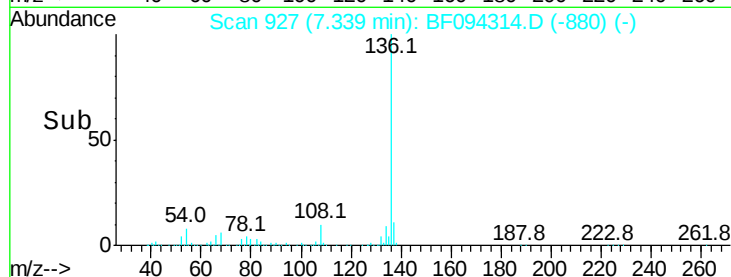


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.37 ng

RT: 6.49 min Scan# 782

Delta R.T. -0.02 min

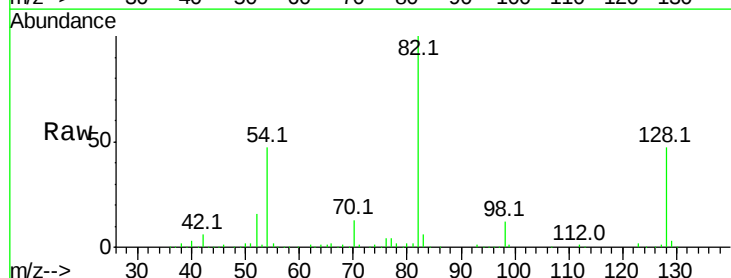
Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Tgt Ion: 82 Resp: 384759

Ion Ratio Lower Upper

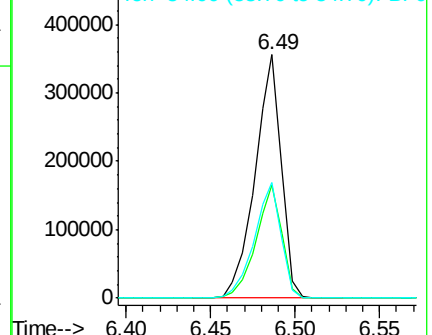
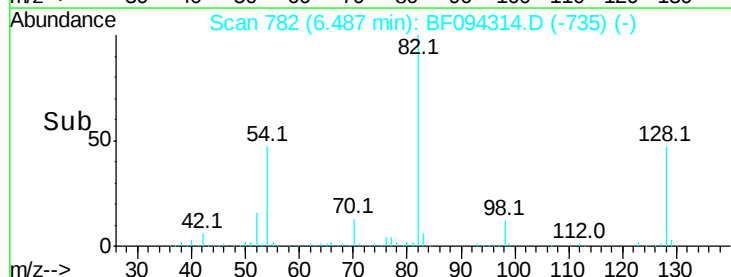
82	100		
128	46.6	34.0	51.0
54	47.3	42.2	63.2

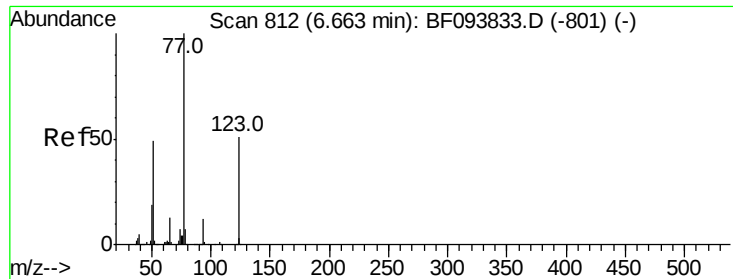


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

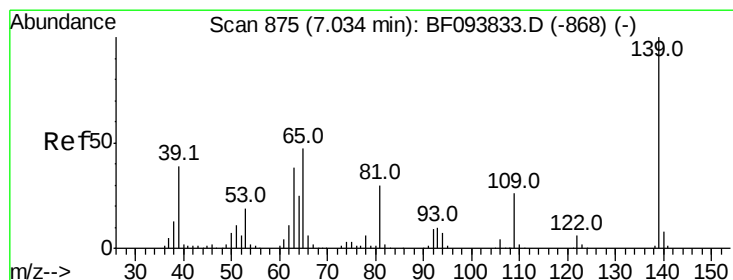
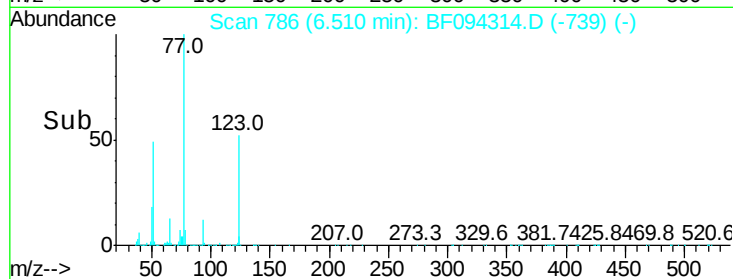
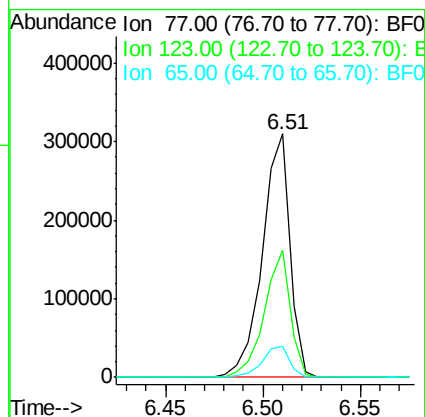
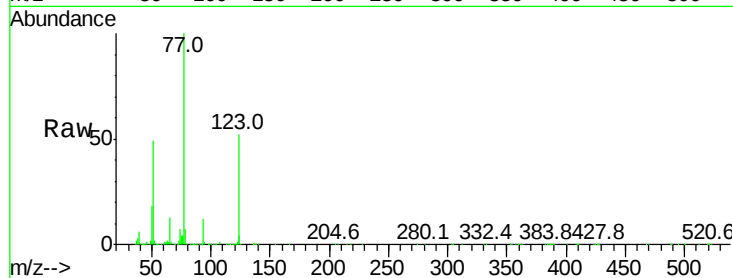




#24
Nitrobenzene
Concen: 25.93 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

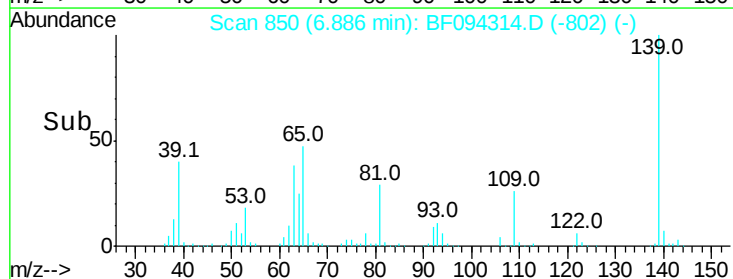
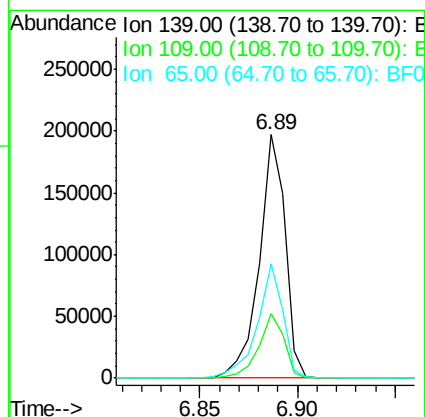
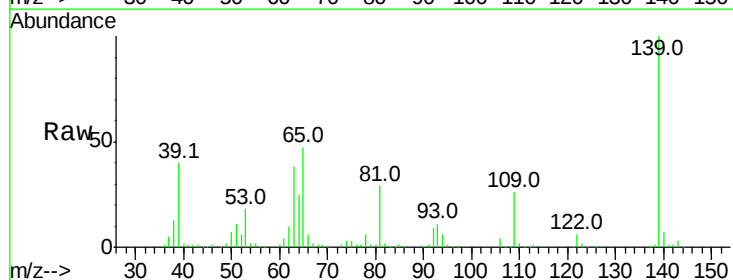
Instrument :
BNA_F
ClientSampleId :

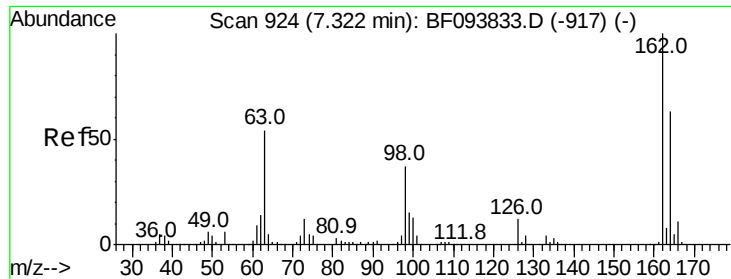
Tot Ion: 77 Resp: 304020
Ion Ratio Lower Upper
77 100
123 52.3 35.8 53.8
65 12.6 10.6 15.8



#26
2-Nitrophenol
Concen: 32.35 ng
RT: 6.89 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion: 139 Resp: 180853
Ion Ratio Lower Upper
139 100
109 26.3 21.0 31.6
65 46.7 33.0 49.6

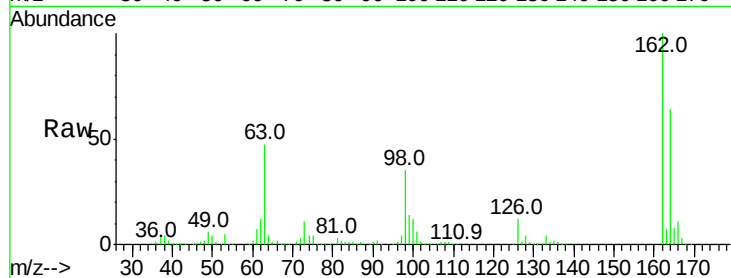




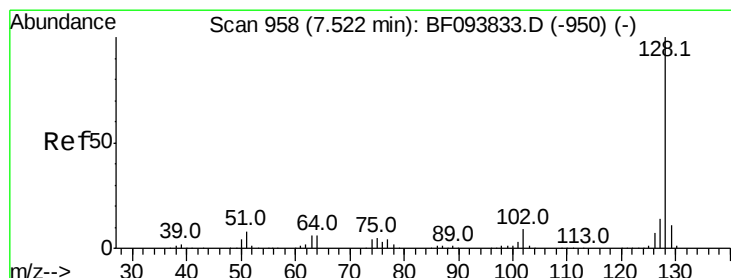
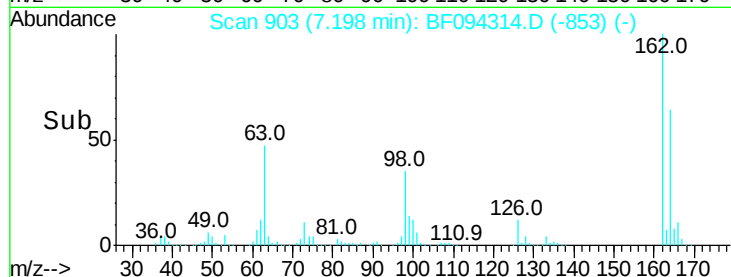
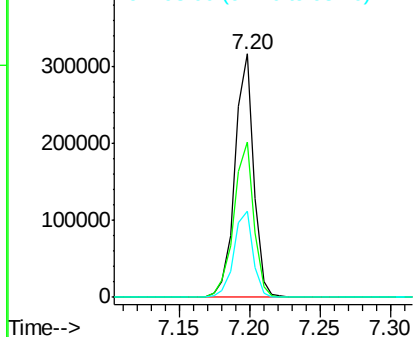
#29
2,4-Dichlorophenol
Concen: 32.39 ng
RT: 7.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.6	84.6
98	35.4	14.8	54.8

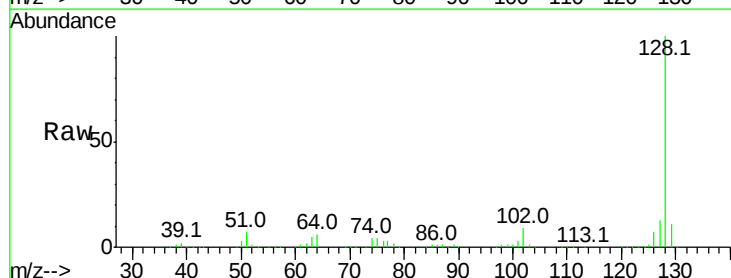


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

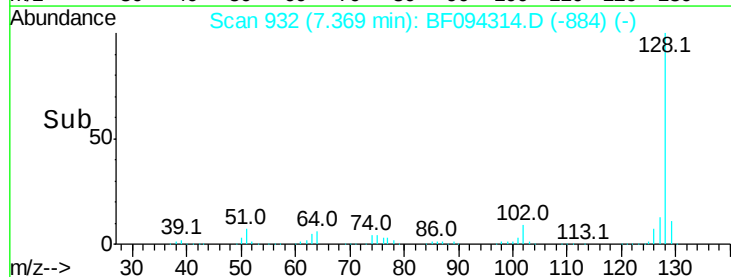
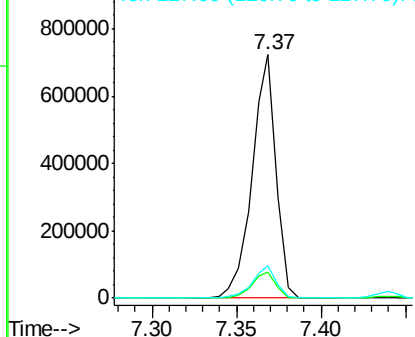


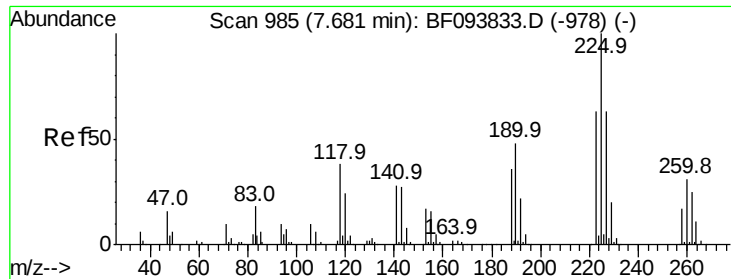
#31
Naphthalene
Concen: 21.76 ng
RT: 7.37 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	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

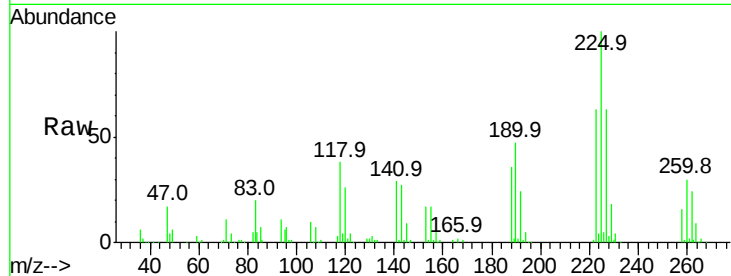




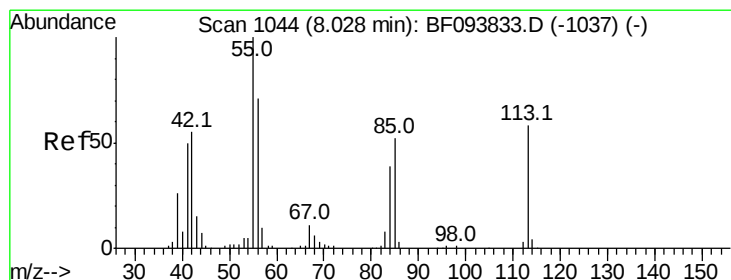
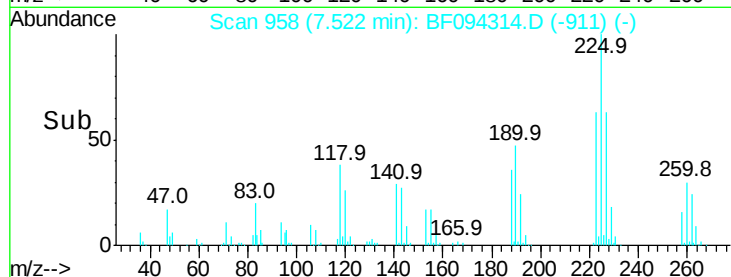
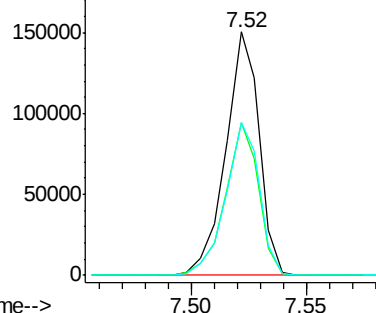
#34
Hexachlorobutadiene
Concen: 31.85 ng
RT: 7.52 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:225 Resp: 151513
Ion Ratio Lower Upper
225 100
223 62.5 48.8 73.2
227 62.9 51.1 76.7

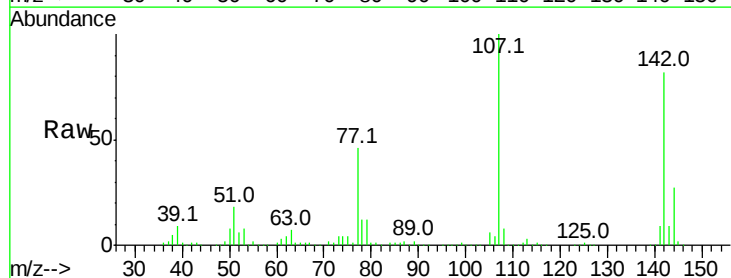


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

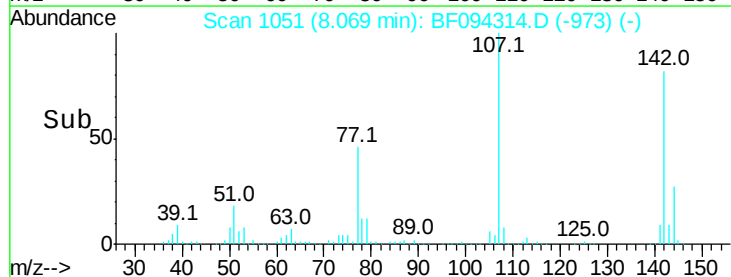
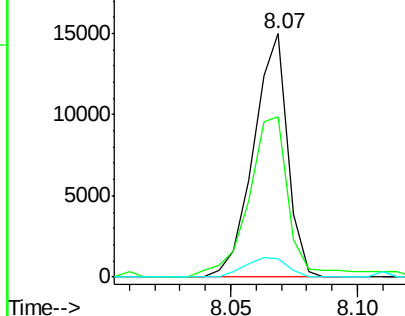


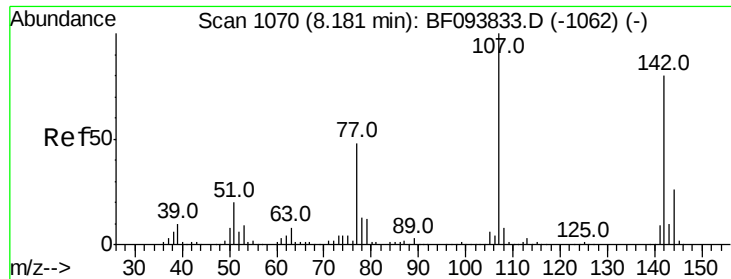
#35
Caprolactam
Concen: 4.86 ng
RT: 8.07 min Scan# 1051
Delta R.T. 0.16 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion:113 Resp: 13968
Ion Ratio Lower Upper
113 100
55 65.8 150.2 190.2#
56 7.3 107.8 147.8#



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

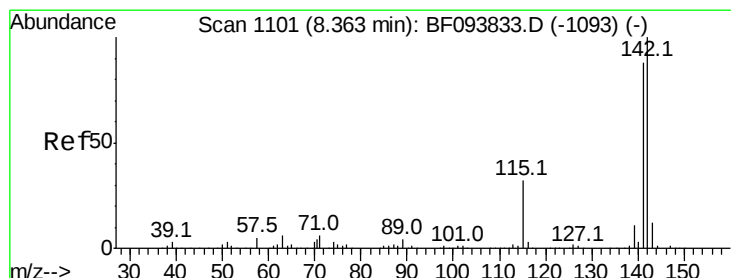
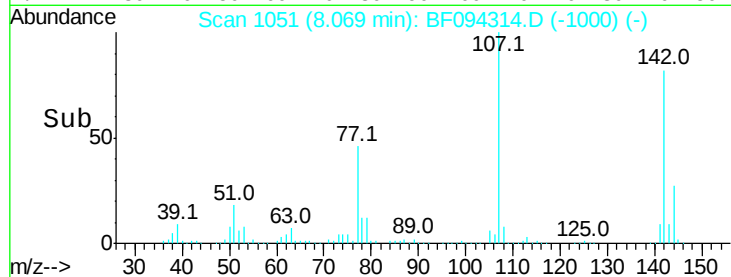
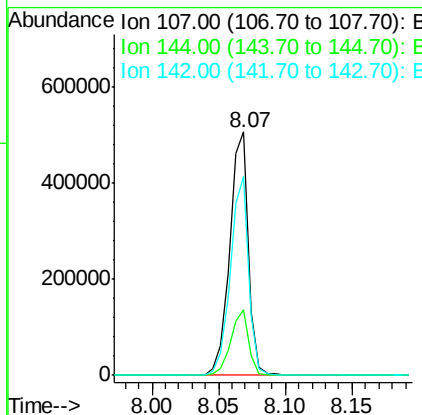
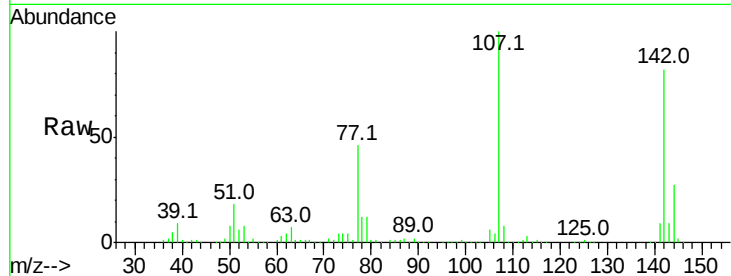




#36
 4-Chloro-3-methylphenol
 Concen: 53.09 ng
 RT: 8.07 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

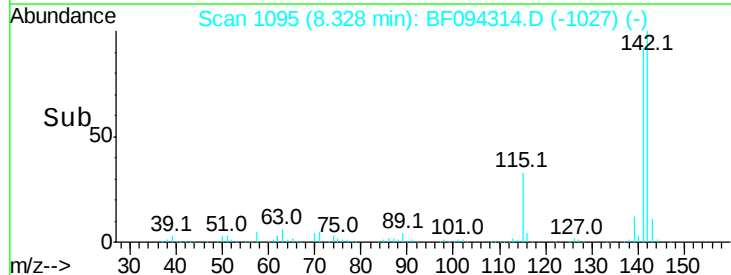
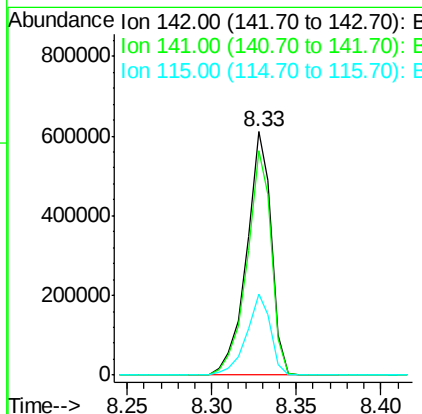
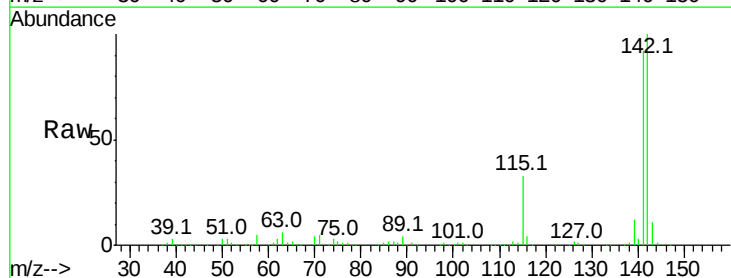
Instrument :
 BNA_F
 ClientSampleId :

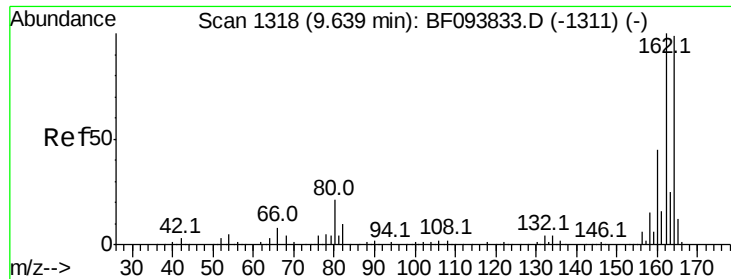
Tot Ion:107 Resp: 499615
 Ion Ratio Lower Upper
 107 100
 144 27.0 24.2 36.4
 142 81.9 73.4 110.0



#37
 2-Methylnaphthalene
 Concen: 28.66 ng
 RT: 8.33 min Scan# 1095
 Delta R.T. 0.10 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion:142 Resp: 623179
 Ion Ratio Lower Upper
 142 100
 141 92.1 71.3 106.9
 115 33.2 27.1 40.7

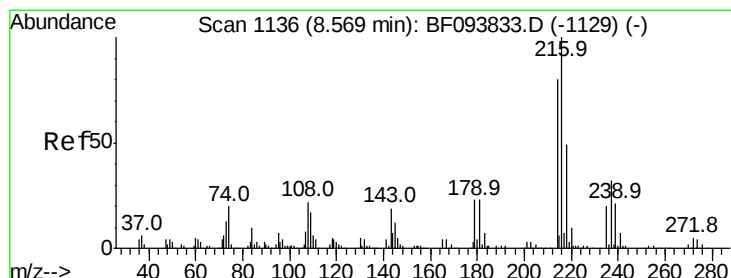
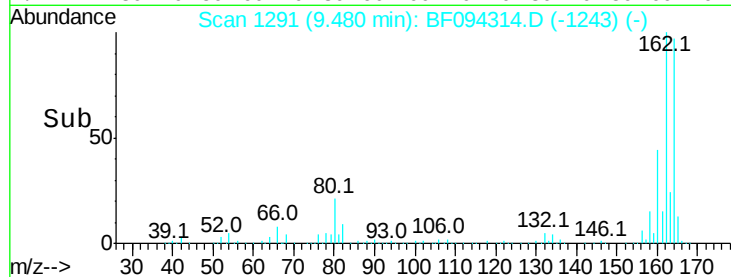
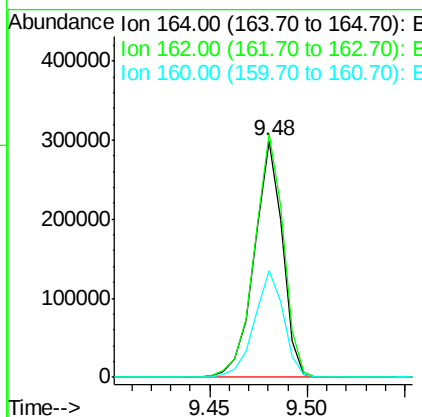
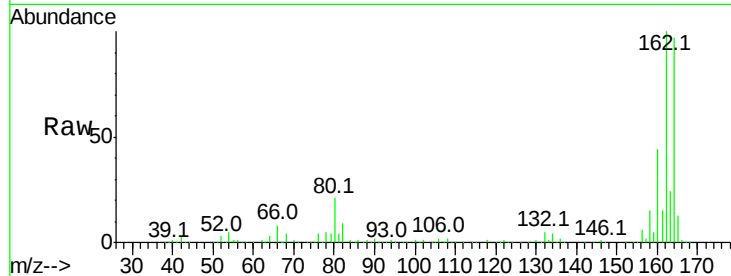




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

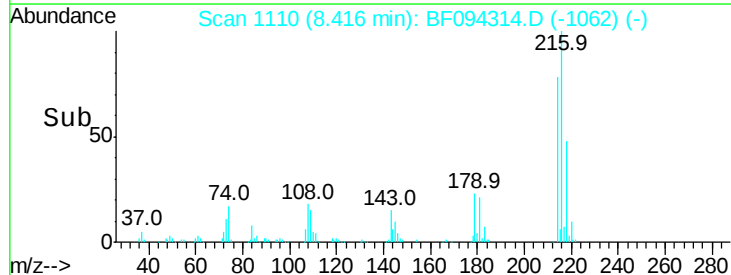
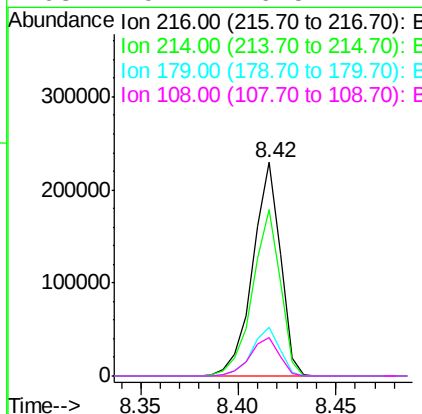
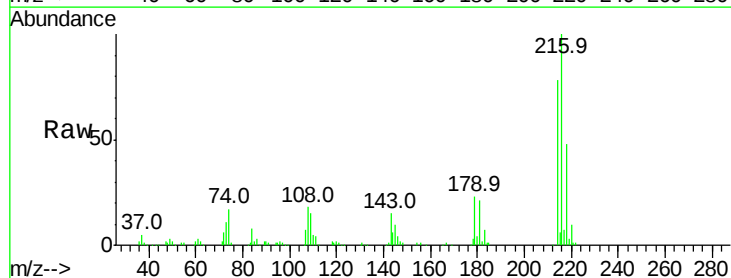
Instrument :
 BNA_F
 ClientSampleId :

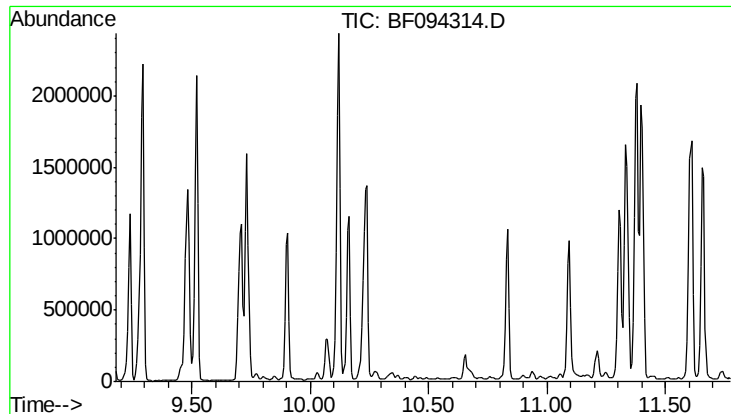
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	45.4	36.2	54.2



#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 27.66 ng
 RT: 8.42 min Scan# 1110
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.2
179	22.6	17.9	26.9
108	19.1	16.5	24.7

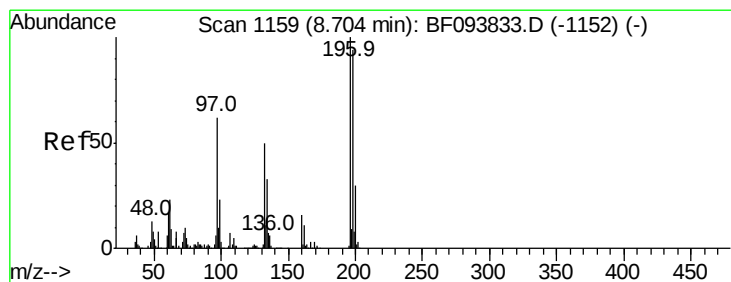
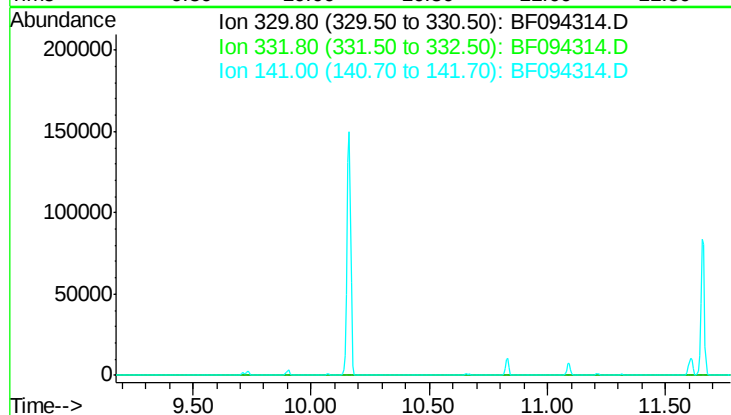




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.47 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

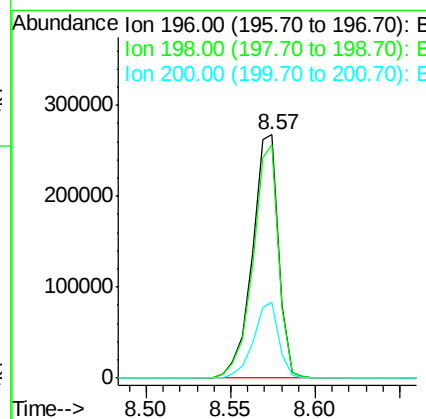
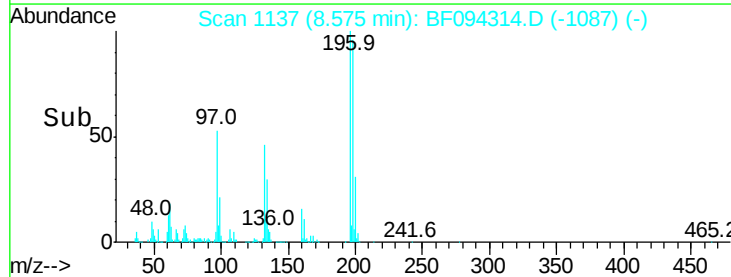
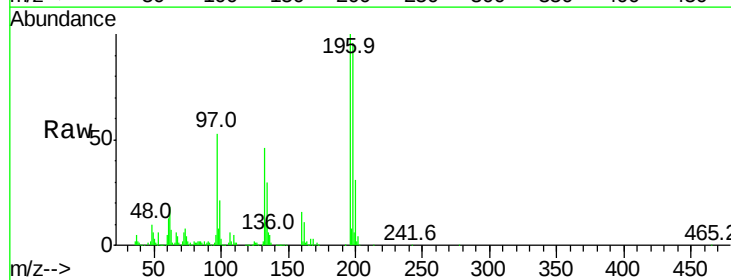
Instrument :
 BNA_F
 ClientSampleId :

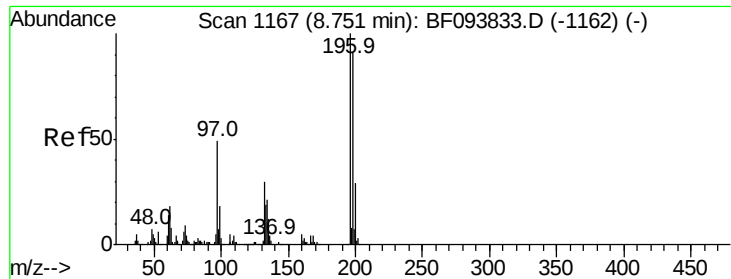
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#42
 2,4,6-Trichlorophenol
 Concen: 50.46 ng
 RT: 8.57 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion: 196 Resp: 291232
 Ion Ratio Lower Upper
 196 100
 198 96.1 74.2 111.4
 200 31.2 24.0 36.0

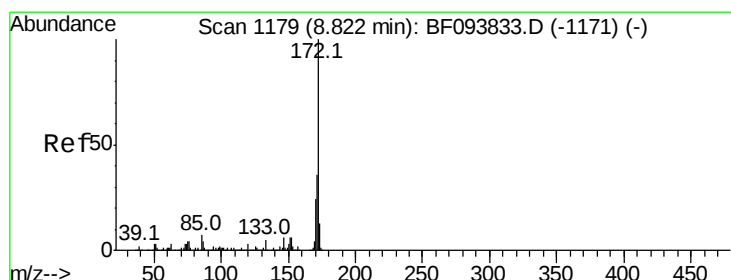
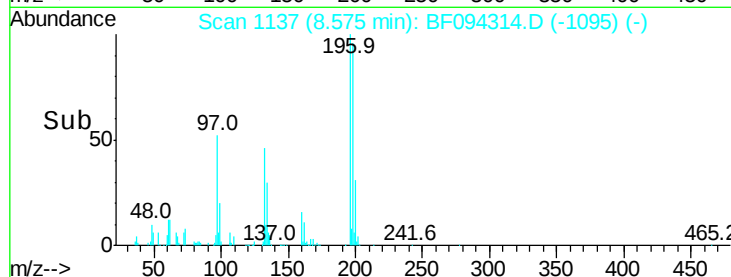
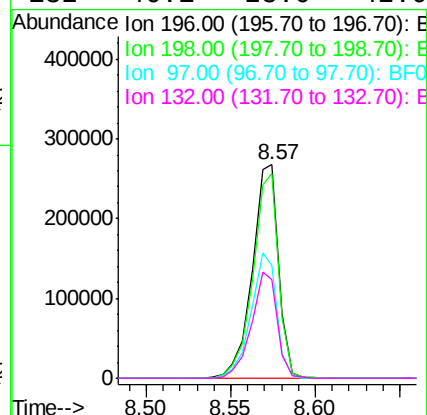
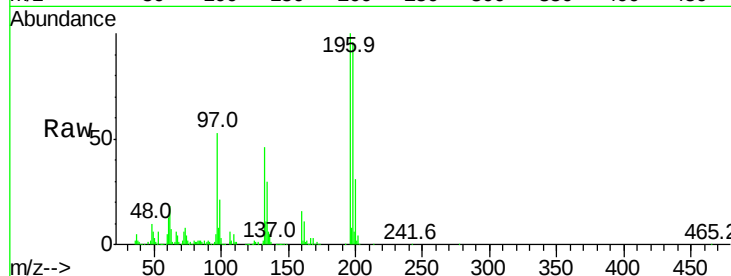




#43
 2,4,5-Trichlorophenol
 Concen: 46.63 ng
 RT: 8.57 min Scan# 1137
 Delta R.T. -0.05 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

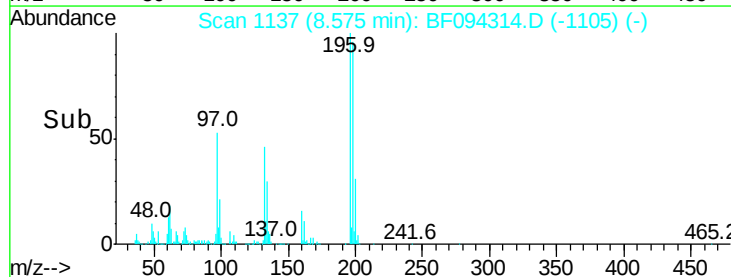
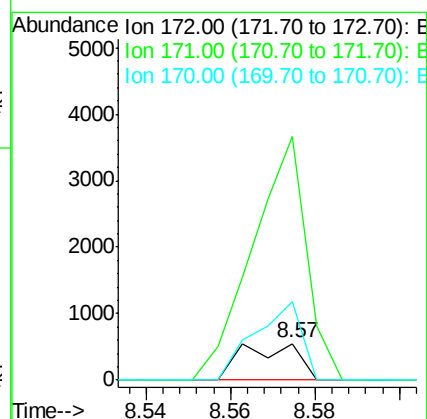
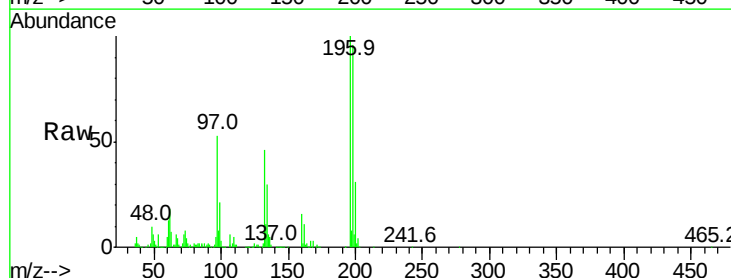
Instrument :
 BNA_F
 ClientSampleId :

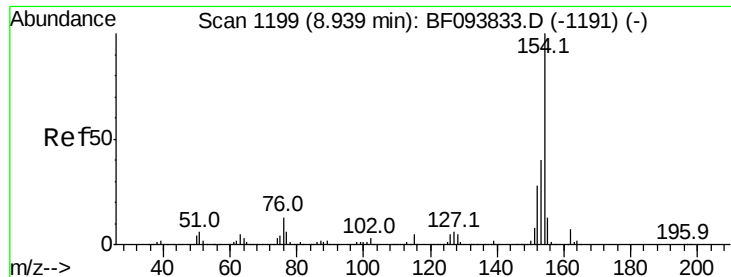
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.7	113.5
97	52.9	47.7	71.5
132	46.1	28.0	42.0#



#44
 2-Fluorobiphenyl
 Concen: 0.03 ng
 RT: 8.57 min Scan# 1137
 Delta R.T. -0.11 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	667.0	29.6	44.4#
170	214.4	19.8	29.8#





#45

1,1'-Biphenyl

Concen: 34.58 ng

RT: 8.79 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

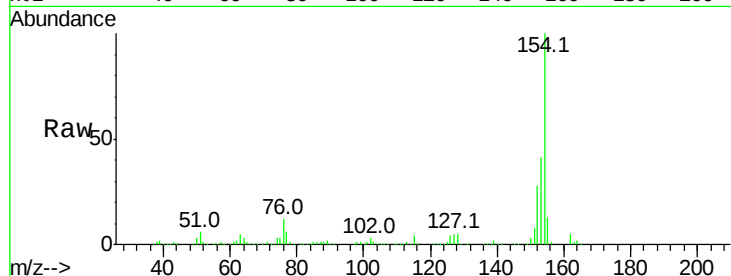
Tot Ion:154 Resp: 831721

Ion Ratio Lower Upper

154 100

153 40.5 21.2 61.2

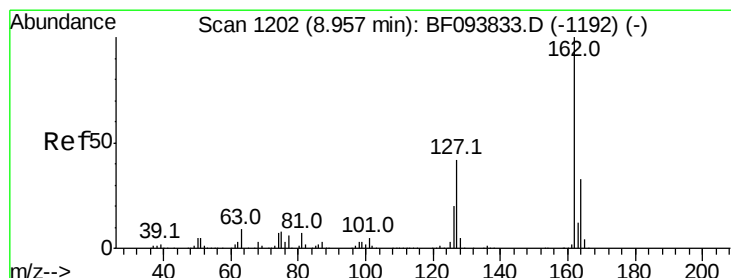
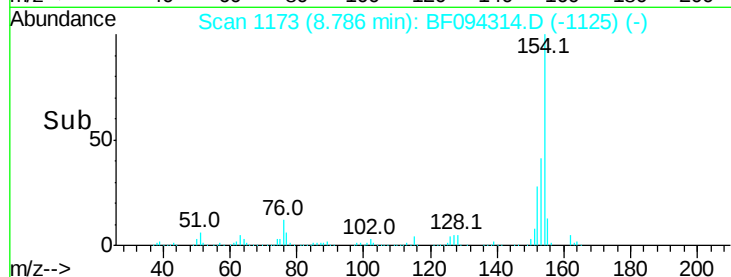
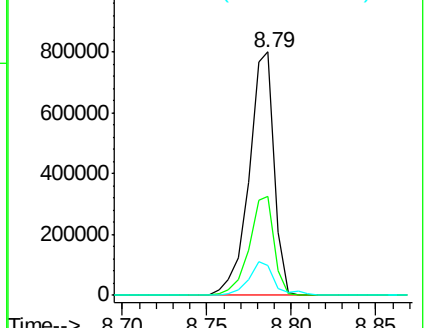
76 12.0 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 21.66 ng

RT: 8.80 min Scan# 1176

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

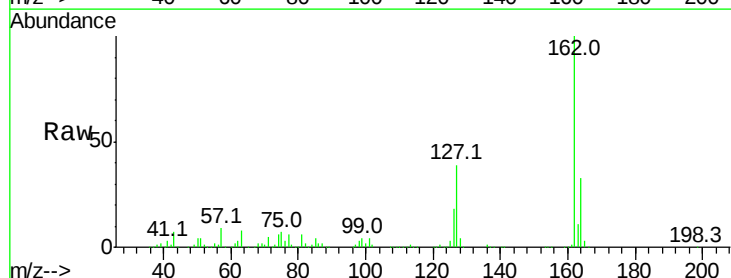
Tgt Ion:162 Resp: 407929

Ion Ratio Lower Upper

162 100

127 39.4 28.3 42.5

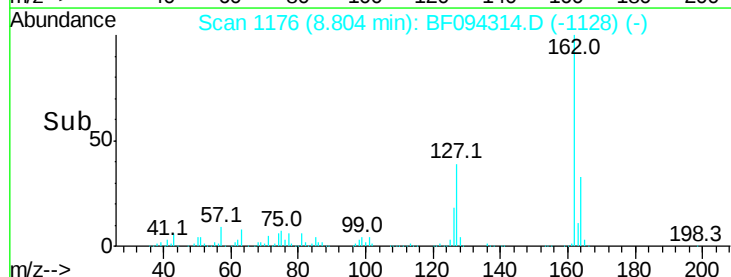
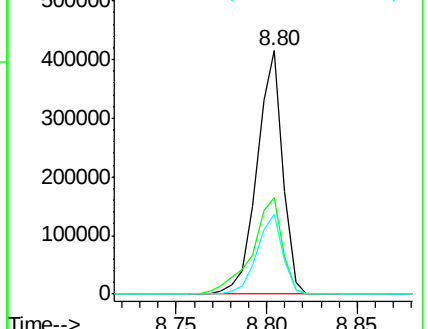
164 32.6 27.0 40.4

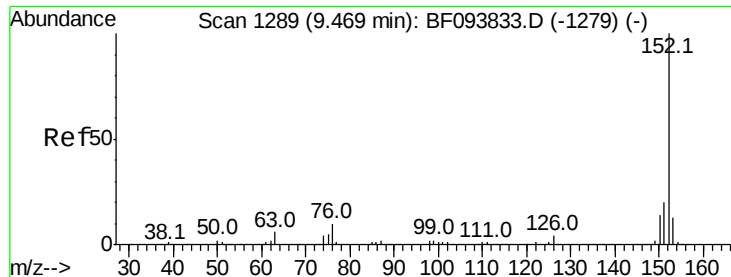


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 8.75 ng

RT: 9.52 min Scan# 1298

Delta R.T. 0.19 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

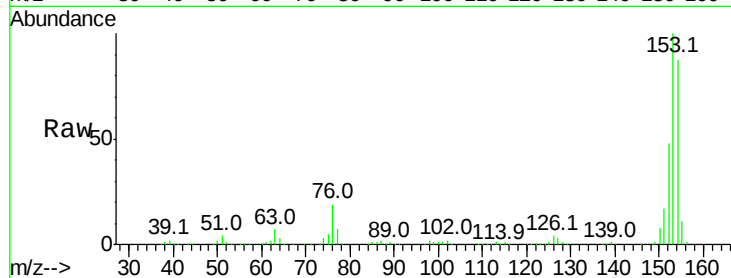
Tot Ion:152 Resp: 273889

Ion Ratio Lower Upper

152 100

151 36.5 16.8 25.2#

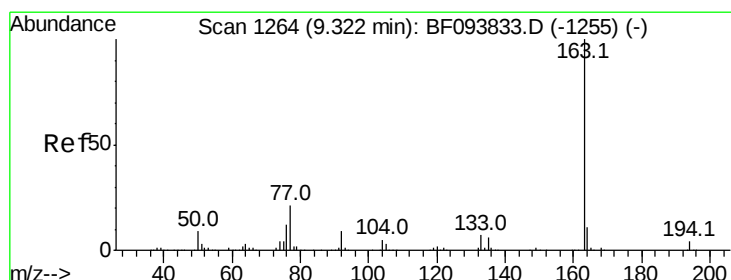
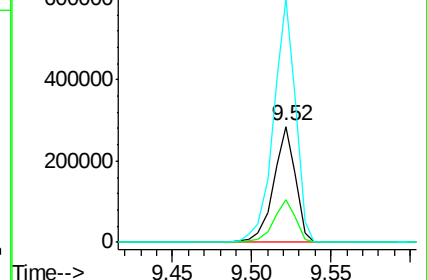
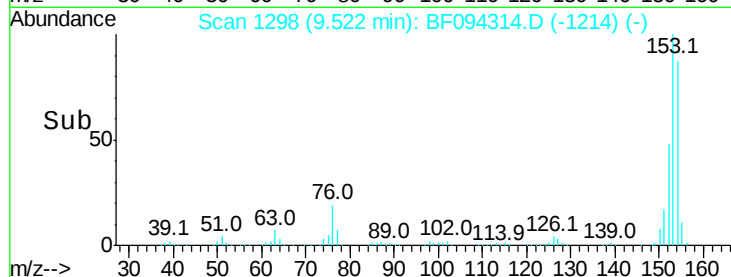
153 210.1 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 28.69 ng

RT: 9.17 min Scan# 1238

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

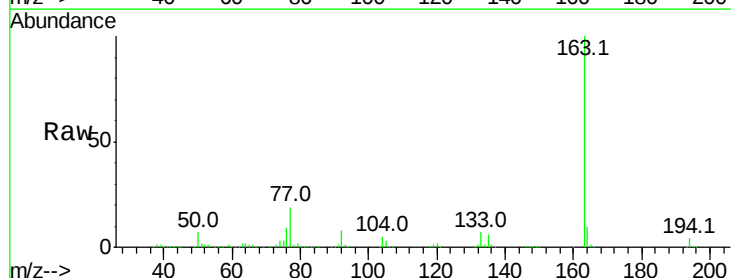
Tgt Ion:163 Resp: 608278

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

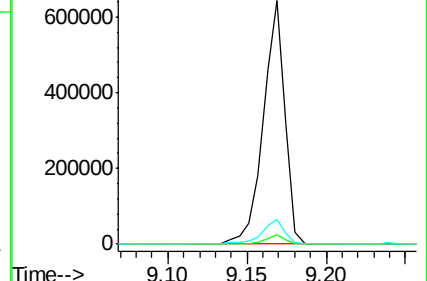
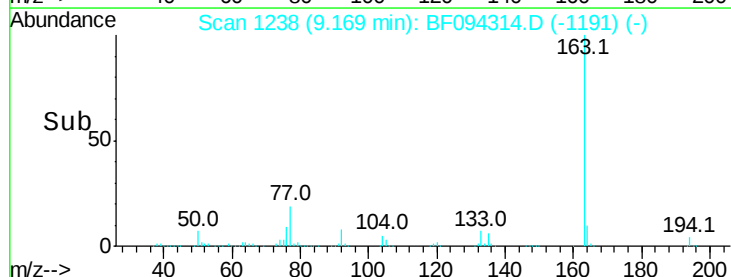
164 10.1 8.4 12.6

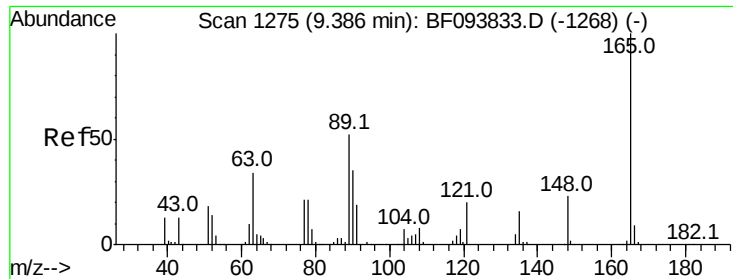


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

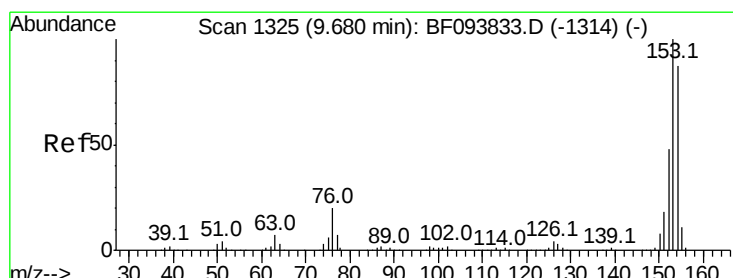
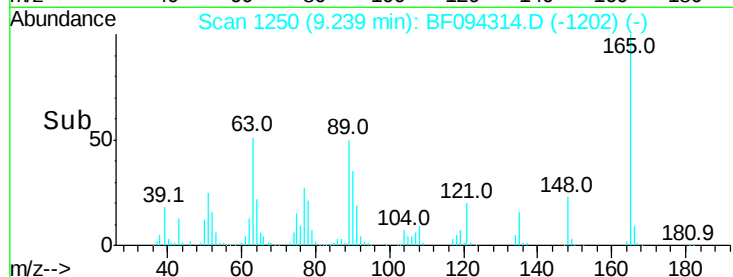
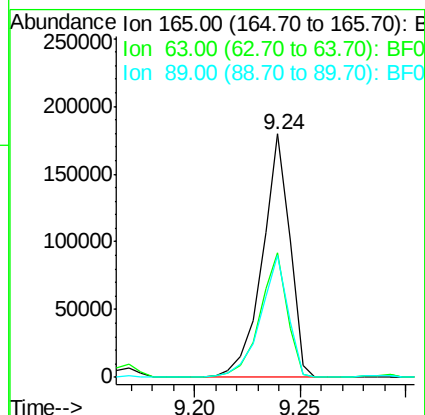
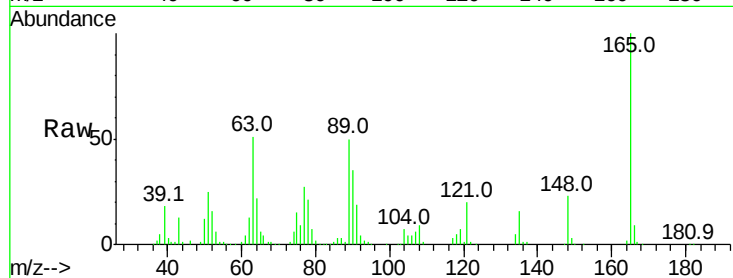




#50
 2,6-Dinitrotoluene
 Concen: 33.55 ng
 RT: 9.24 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

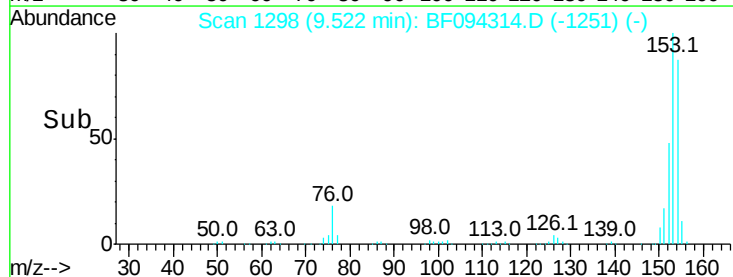
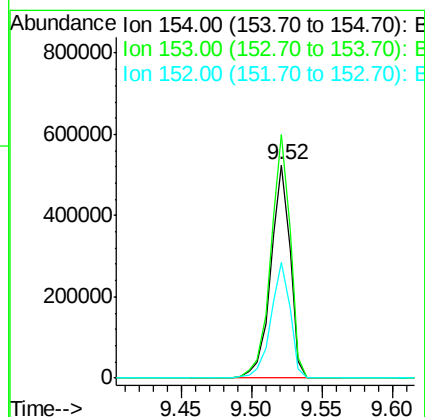
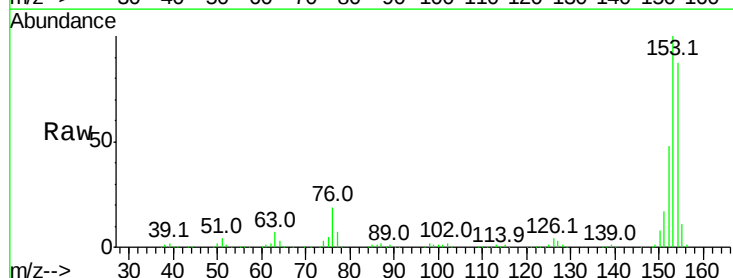
Instrument :
 BNA_F
 ClientSampleID :

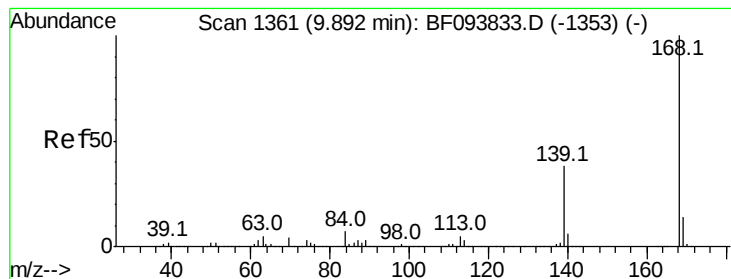
Tot Ion	Ratio	Lower	Upper
165	100		
63	51.3	34.3	51.5
89	50.3	37.1	55.7



#51
 Acenaphthene
 Concen: 27.78 ng
 RT: 9.52 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.3	90.5	135.7
152	54.4	43.6	65.4





#54

Dibenzofuran

Concen: 26.21 ng

RT: 9.73 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

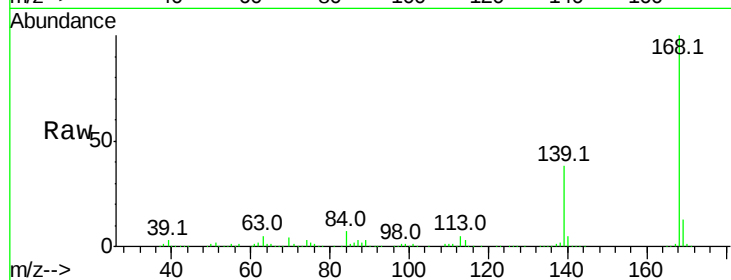
Tot Ion:168 Resp: 651487

Ion Ratio Lower Upper

168 100

139 37.7 30.6 45.8

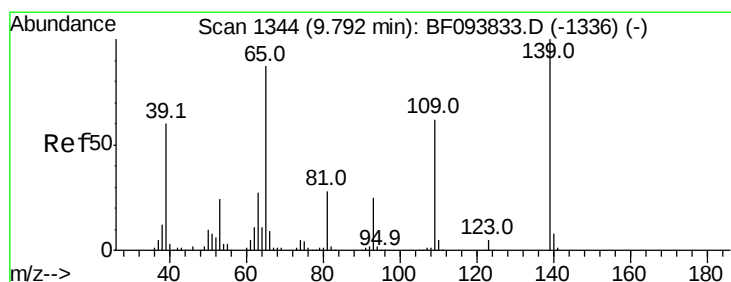
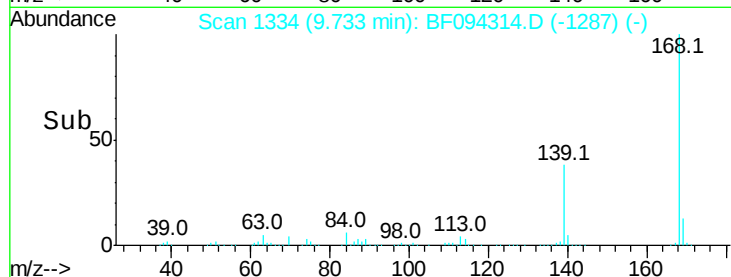
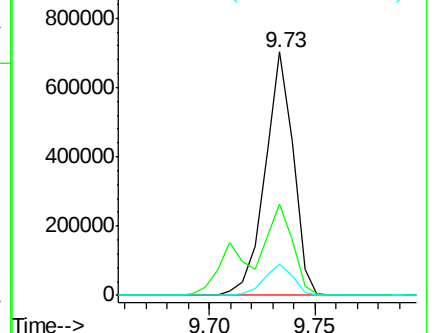
169 12.9 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 33.93 ng

RT: 9.71 min Scan# 1330

Delta R.T. 0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

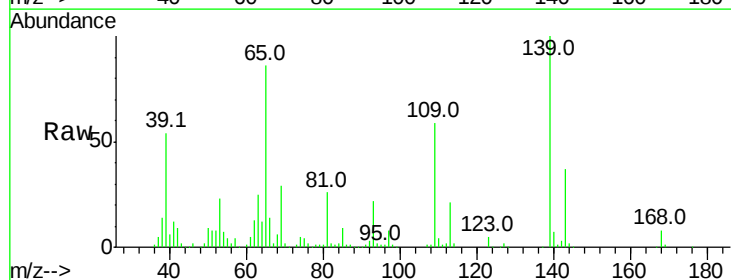
Tgt Ion:139 Resp: 151609

Ion Ratio Lower Upper

139 100

109 59.4 34.1 74.1

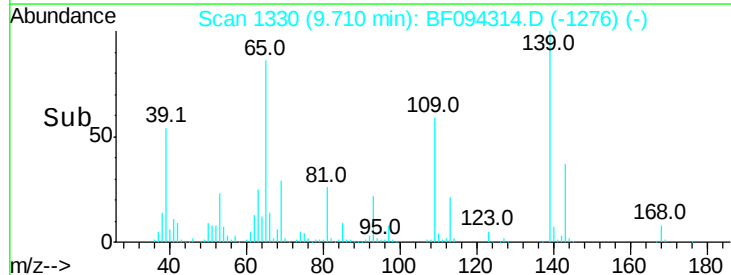
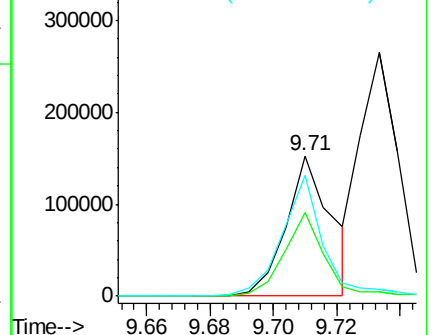
65 86.2 31.4 71.4#

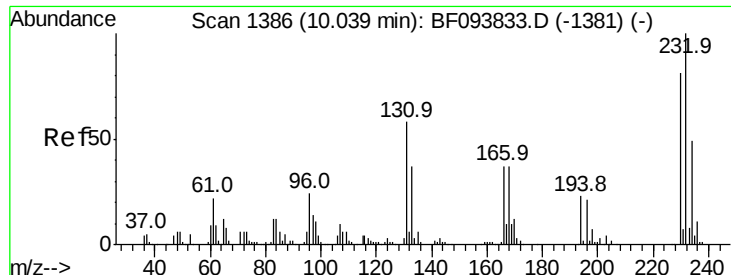


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

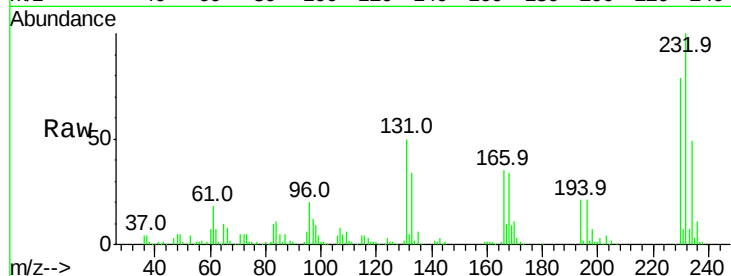




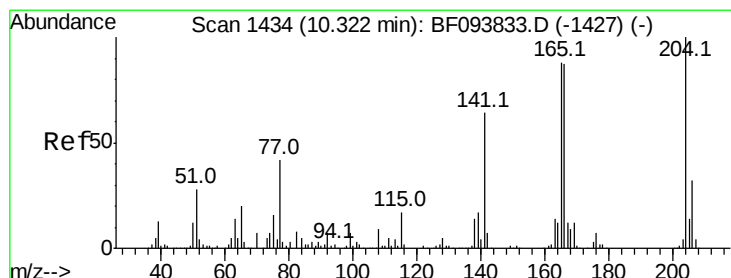
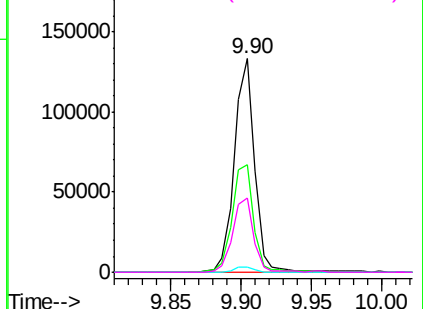
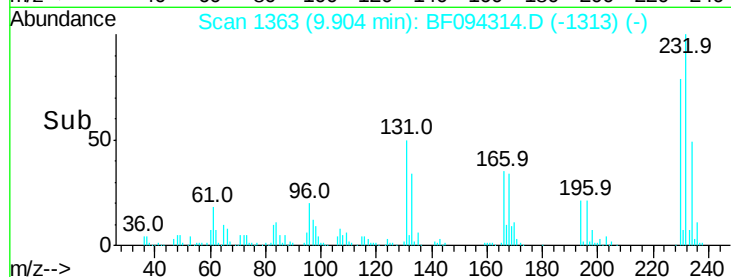
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 30.98 ng
 RT: 9.90 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	232	Resp:	132777
Ion	Ratio	Lower	Upper
232	100		
131	53.6	44.8	67.2
130	2.4	2.3	3.5
166	36.0	29.0	43.4

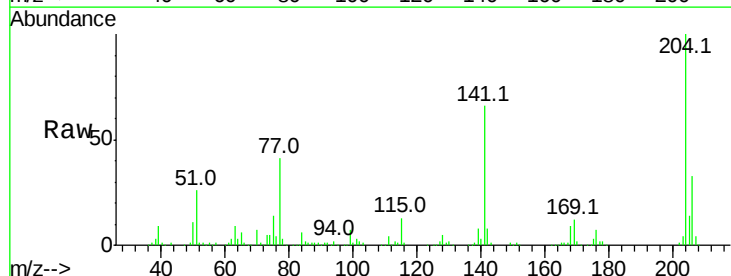


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

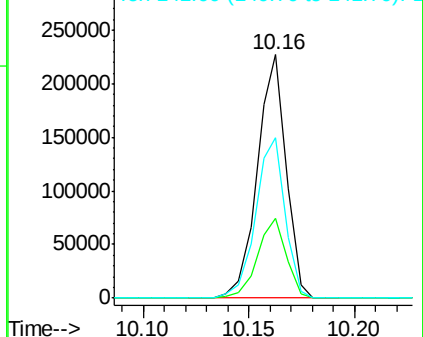
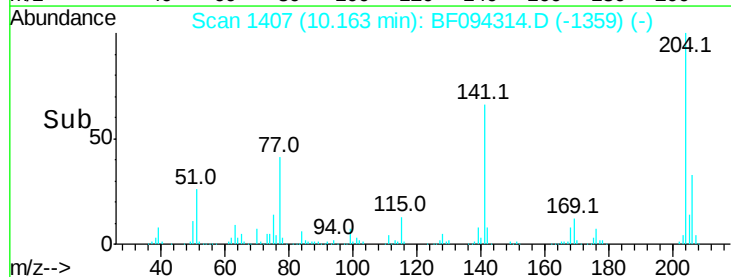


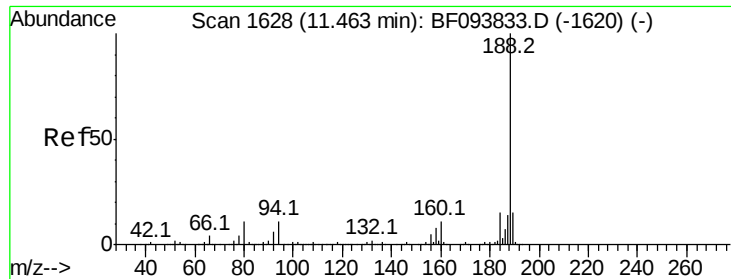
#60
 4-Chlorophenyl-phenylether
 Concen: 24.56 ng
 RT: 10.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion:	204	Resp:	215707
Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.2	39.2
141	65.9	60.8	91.2



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

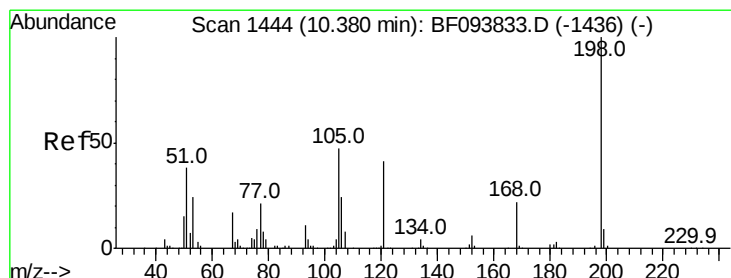
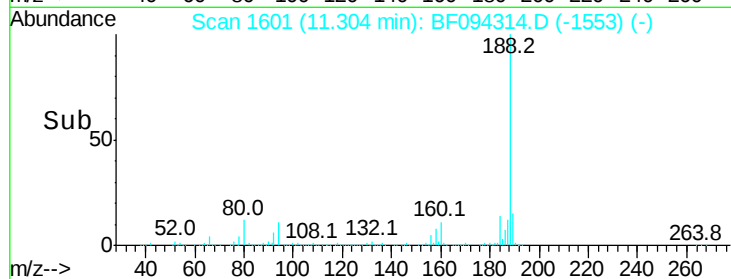
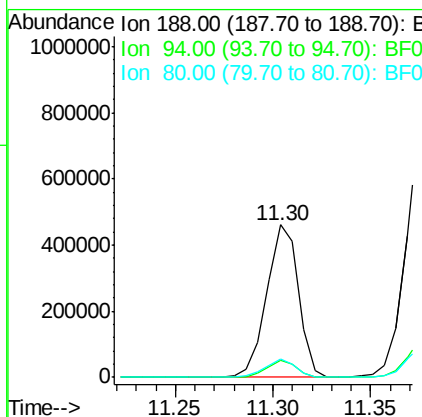
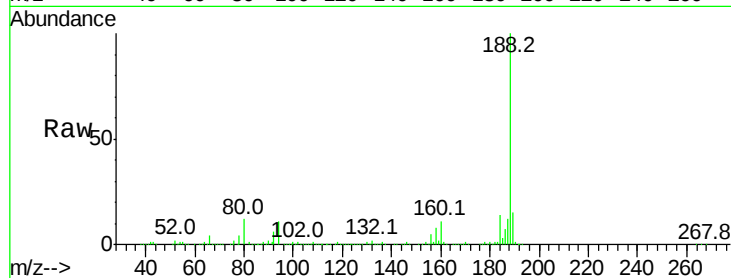




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

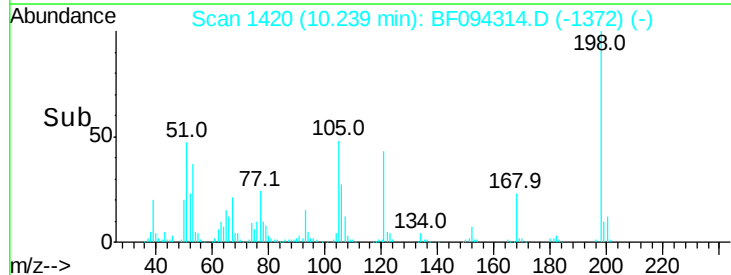
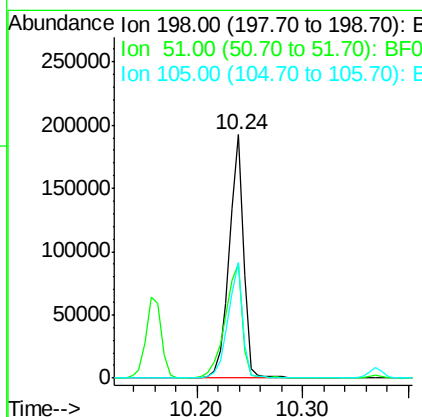
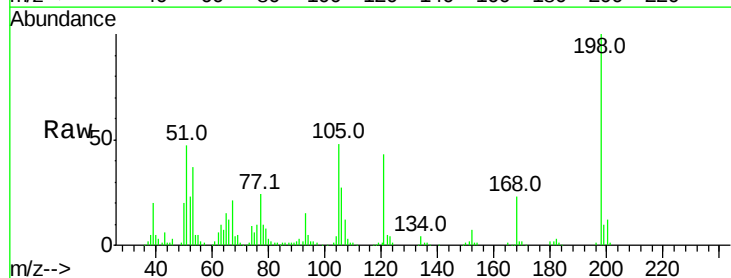
Instrument :
BNA_F
ClientSampleId :

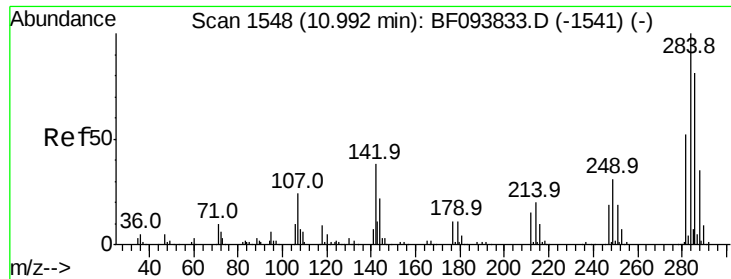
Tot Ion:188 Resp: 519029
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 12.5 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 57.12 ng
RT: 10.24 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion:198 Resp: 181553
Ion Ratio Lower Upper
198 100
51 46.8 53.2 93.2#
105 47.6 45.8 85.8





#67

Hexachlorobenzene

Concen: 27.73 ng

RT: 10.83 min Scan# 1521

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

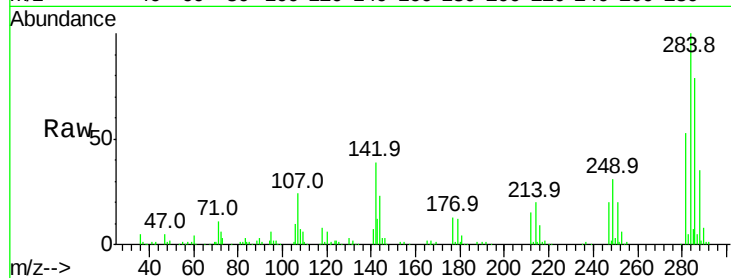
Tot Ion:284 Resp: 143287

Ion Ratio Lower Upper

284 100

142 38.8 22.8 34.2#

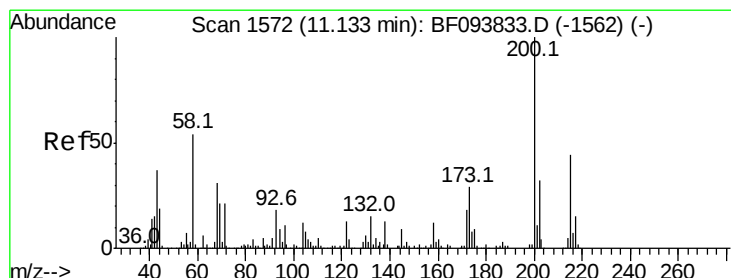
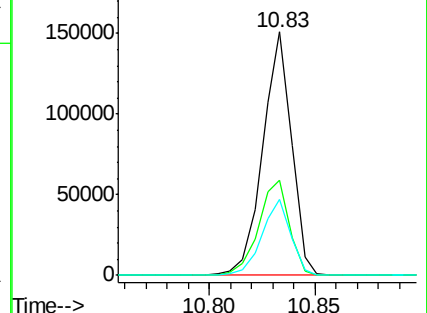
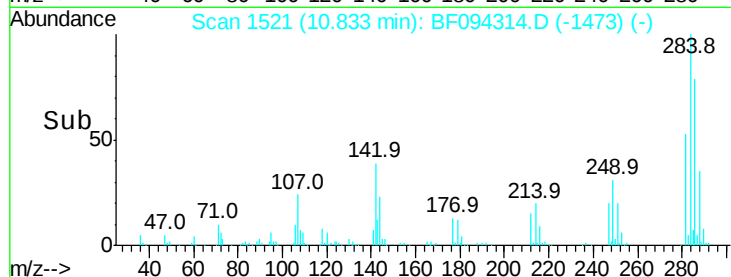
249 31.2 24.0 36.0



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: 4.83 ng

RT: 11.09 min Scan# 1565

Delta R.T. 0.09 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

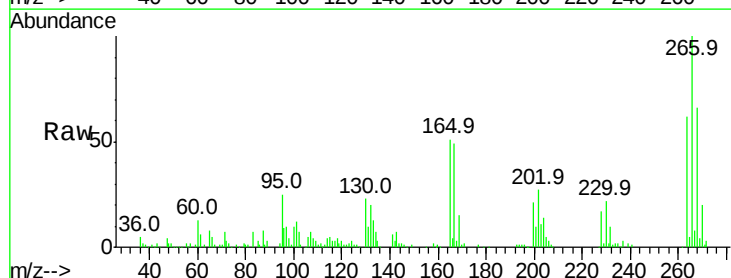
Tgt Ion:200 Resp: 25959

Ion Ratio Lower Upper

200 100

173 0.0 6.3 46.3#

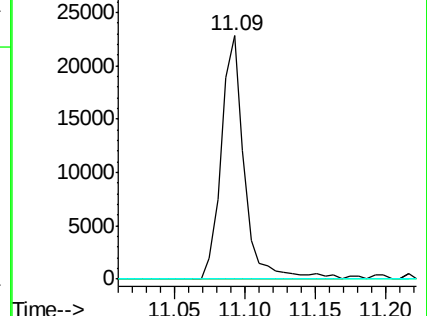
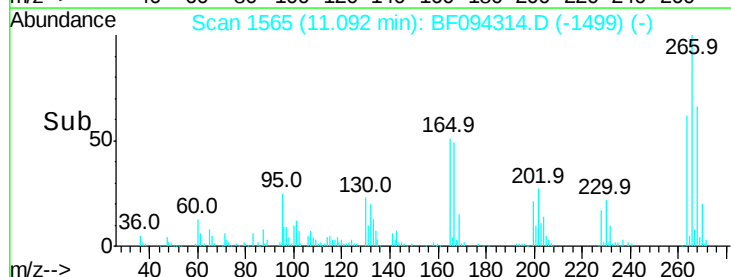
215 0.0 27.2 67.2#

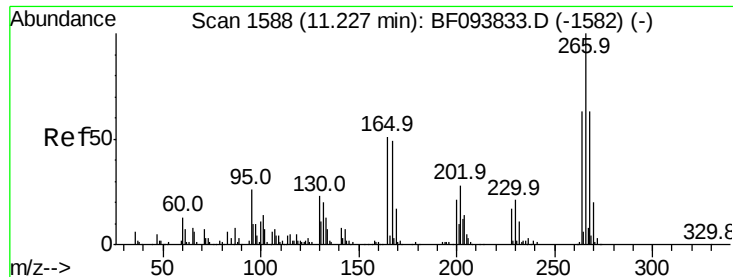


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 38.68 ng

RT: 11.09 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampled :

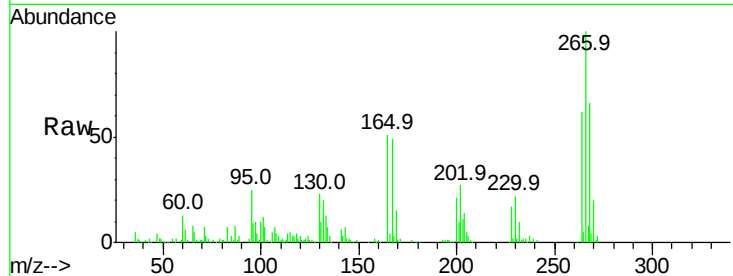
Tot Ion:266 Resp: 124416

Ion Ratio Lower Upper

266 100

268 65.6 51.1 76.7

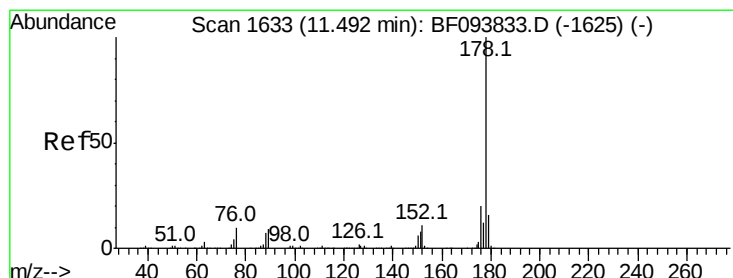
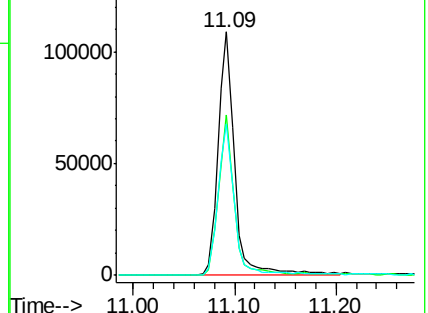
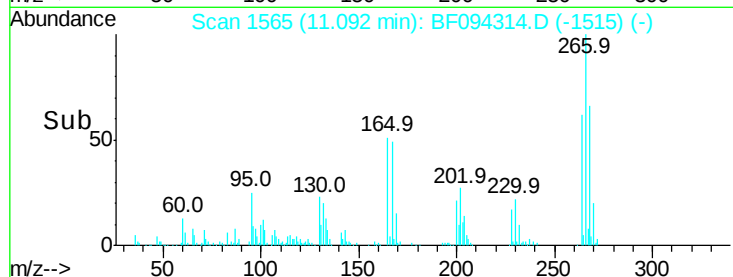
264 62.1 51.7 77.5



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: 24.95 ng

RT: 11.33 min Scan# 1606

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

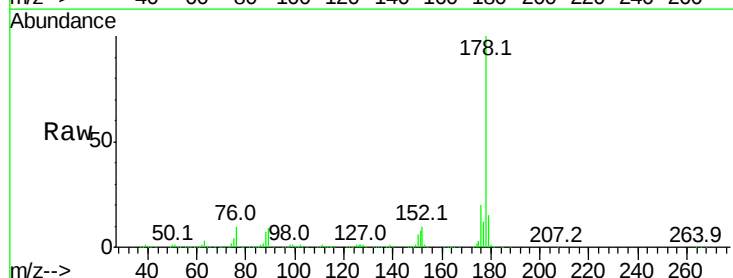
Tgt Ion:178 Resp: 720431

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

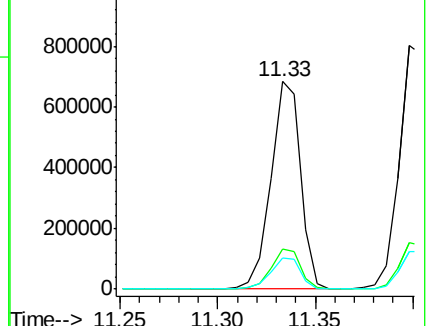
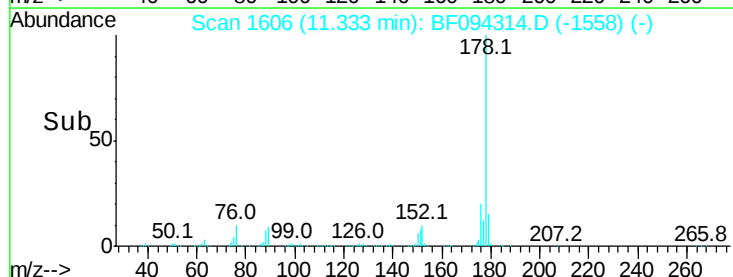
179 15.1 12.6 19.0

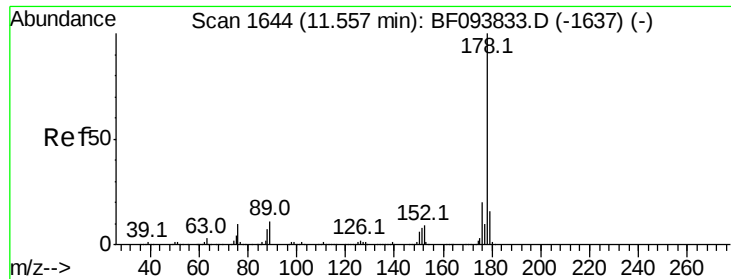


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

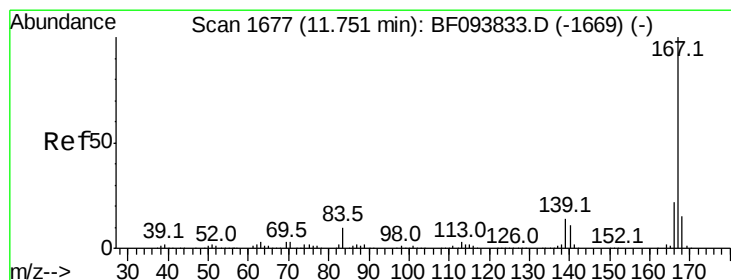
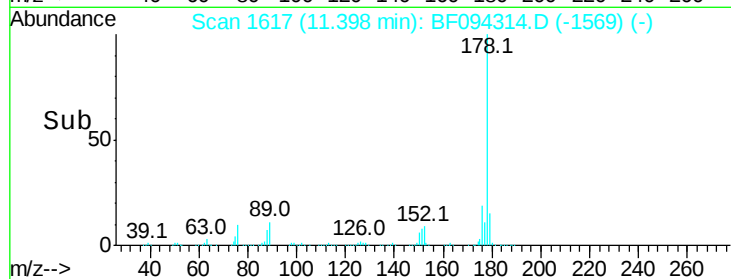
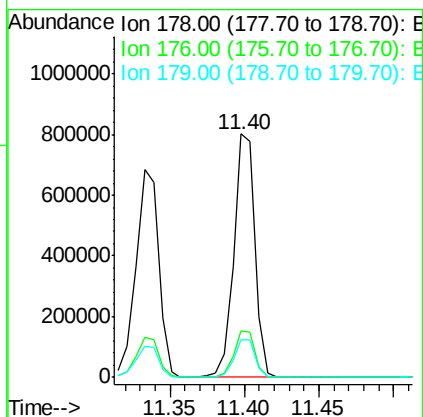
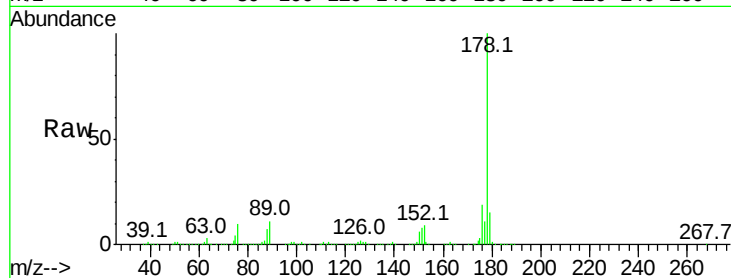




#71
 Anthracene
 Concen: 26.85 ng
 RT: 11.40 min Scan# 1617
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

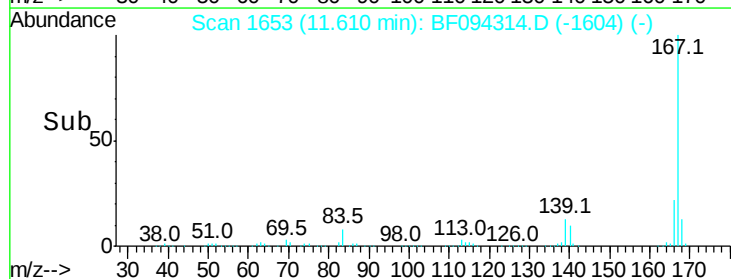
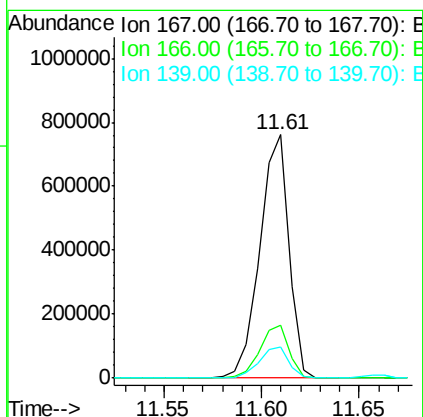
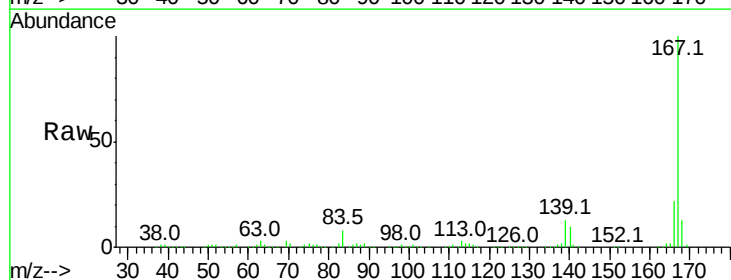
Instrument :
 BNA_F
 ClientSampleId :

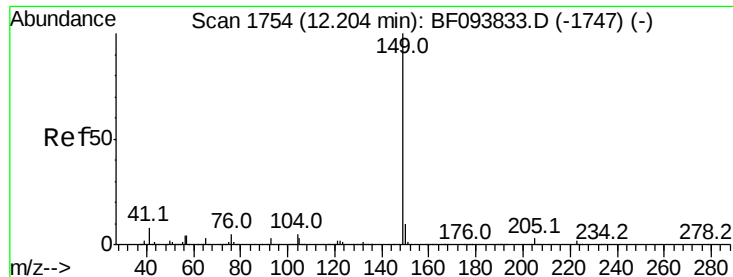
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.4	12.7	19.1



#72
 Carbazole
 Concen: 25.81 ng
 RT: 11.61 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	13.0	11.7	17.5

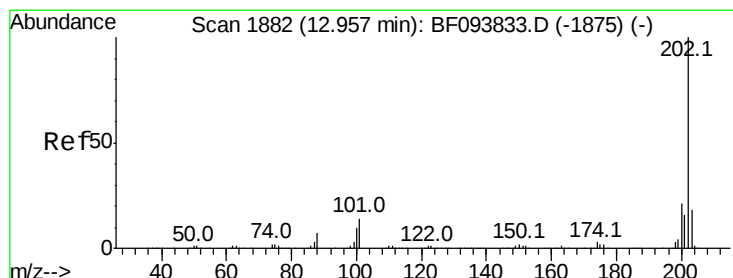
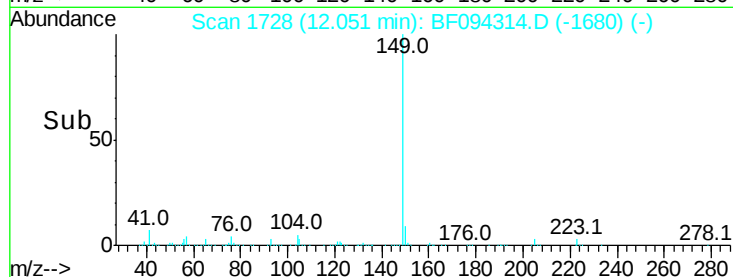
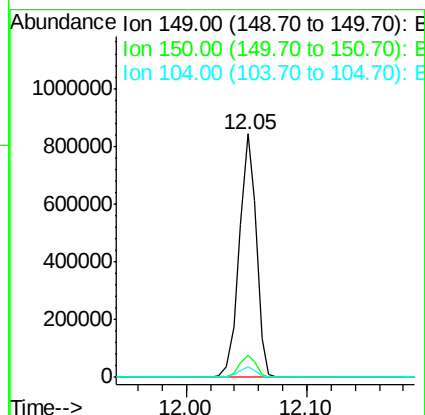
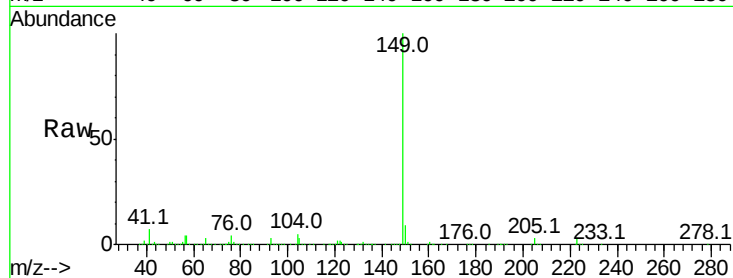




#73
Di-n-butylphthalate
Concen: 26.12 ng
RT: 12.05 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

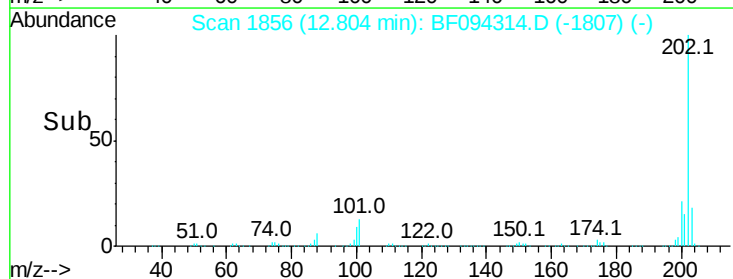
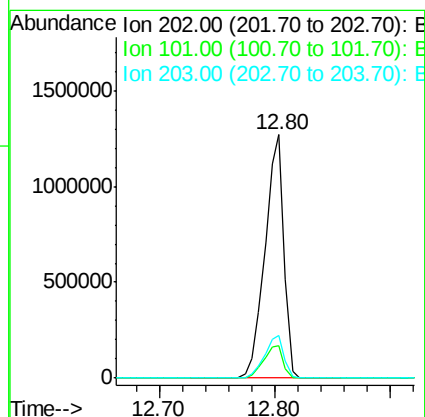
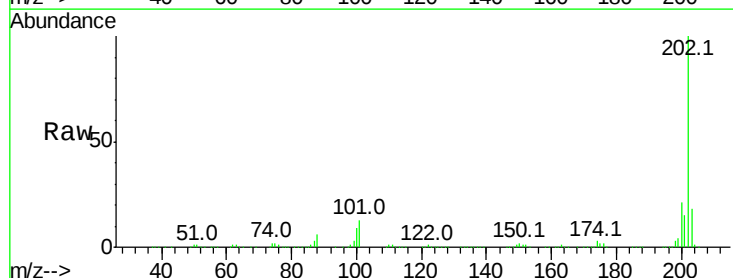
Instrument :
BNA_F
ClientSampleId :

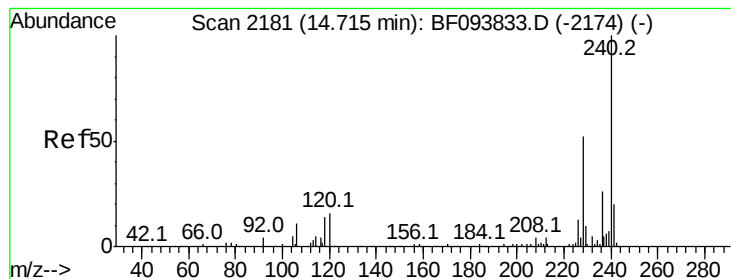
Tot Ion:149 Resp: 827944
Ion Ratio Lower Upper
149 100
150 9.2 7.7 11.5
104 4.6 4.0 6.0



#74
Fluoranthene
Concen: 49.42 ng
RT: 12.80 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion:202 Resp: 1461231
Ion Ratio Lower Upper
202 100
101 13.4 0.0 33.2
203 17.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampled :

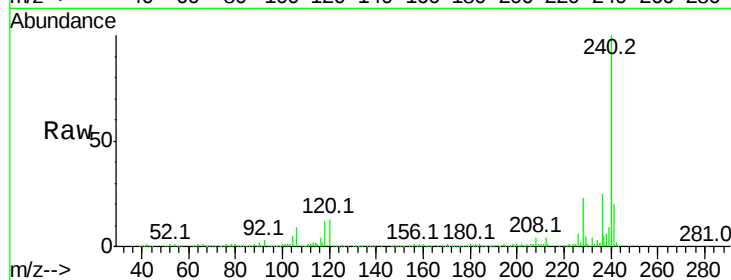
Tot Ion:240 Resp: 376789

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

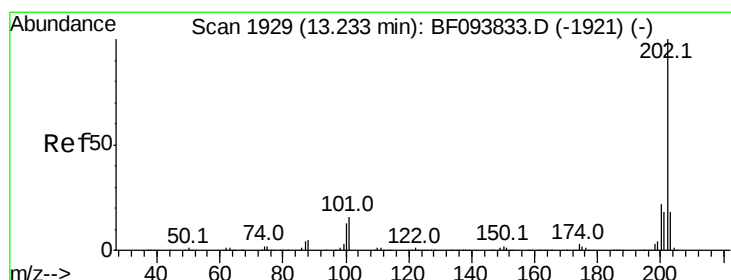
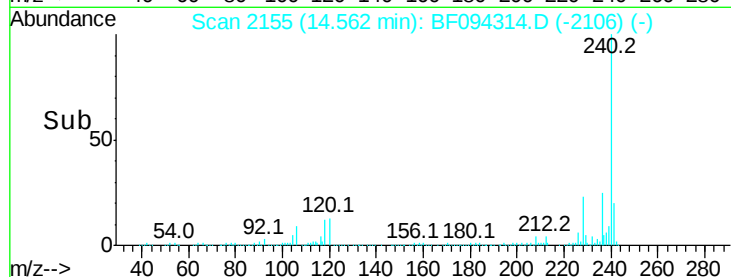
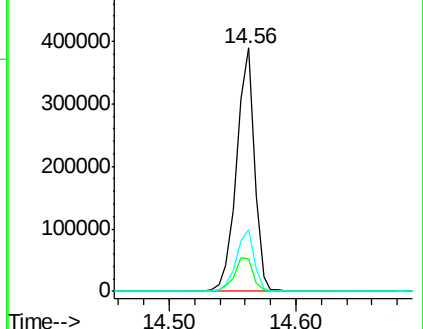
236 25.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 39.27 ng

RT: 13.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

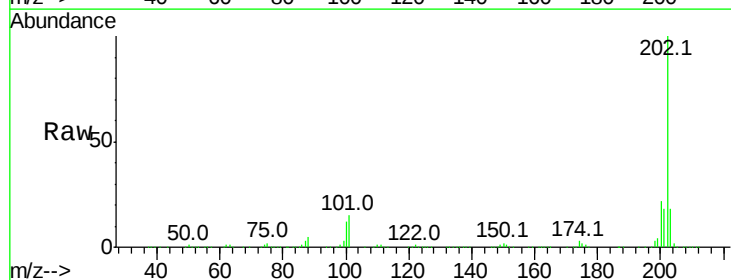
Tgt Ion:202 Resp: 1073858

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

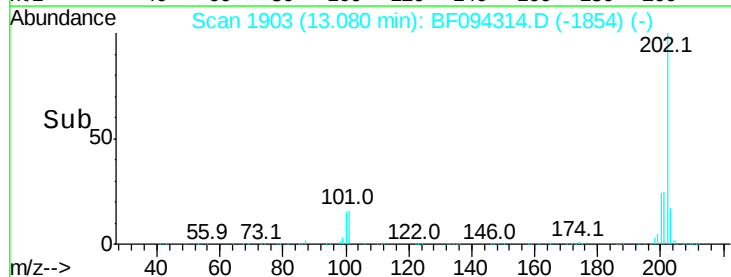
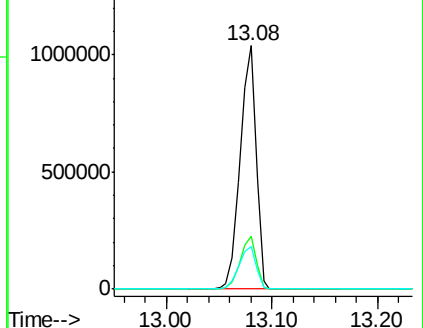
203 17.7 14.4 21.6

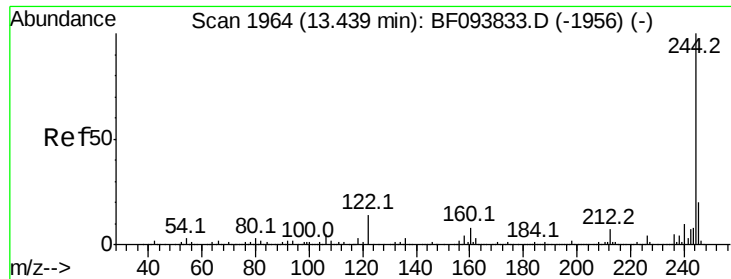


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 0.01 ng

RT: 13.27 min Scan# 1936

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

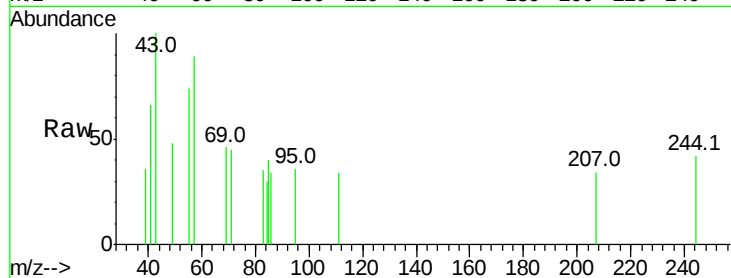
Tot Ion:244 Resp: 150

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

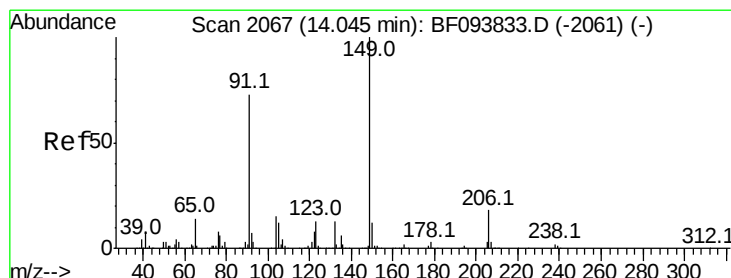
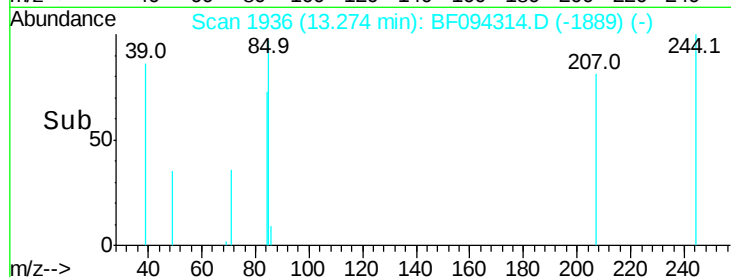
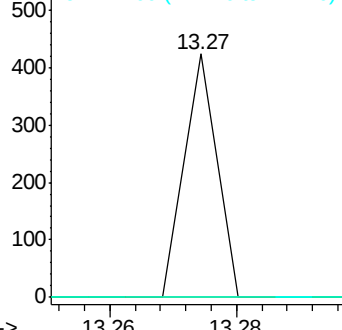
122 0.0 10.3 15.5#



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



#79

Butylbenzylphthalate

Concen: 28.55 ng

RT: 13.89 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

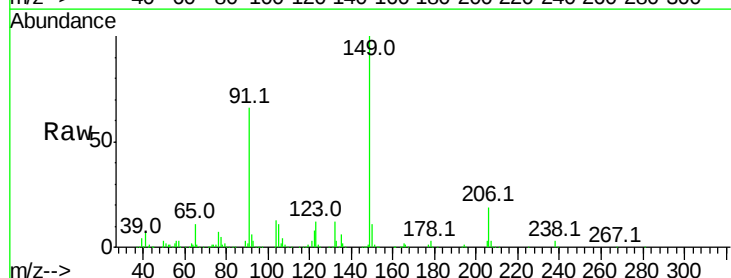
Tgt Ion:149 Resp: 332593

Ion Ratio Lower Upper

149 100

91 65.8 45.0 67.4

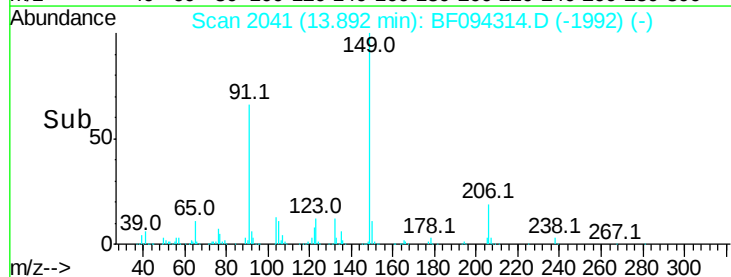
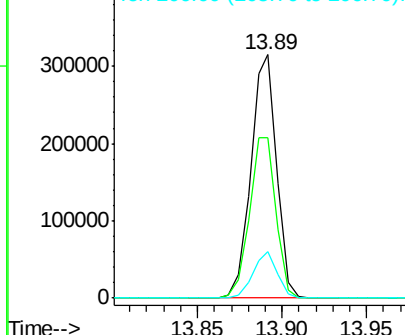
206 19.2 17.0 25.6

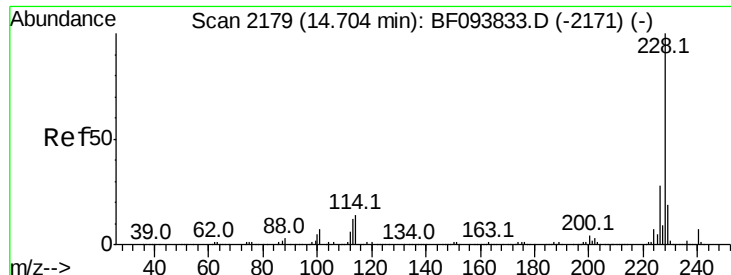


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 45.98 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

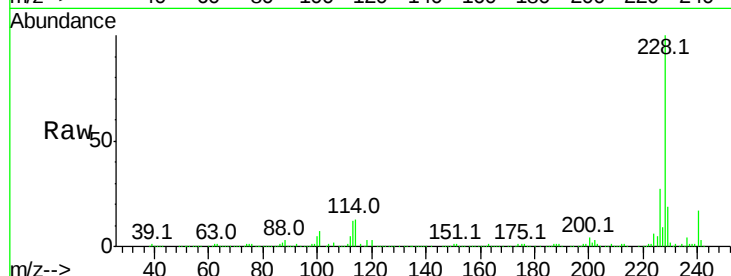
Tot Ion:228 Resp: 1010357

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	19.4	16.3	24.5

228 100

226 27.5 22.6 33.8

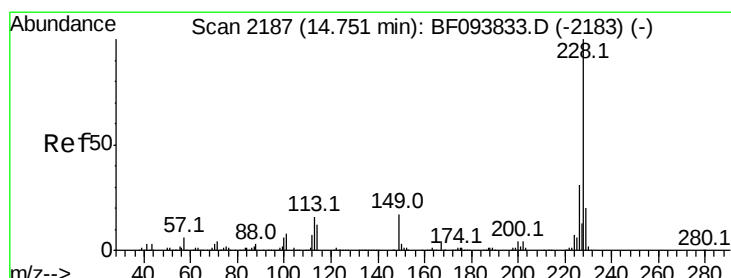
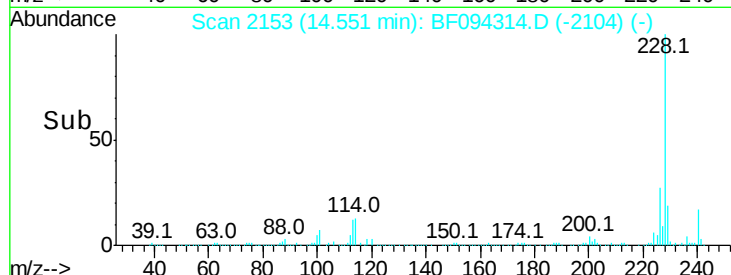
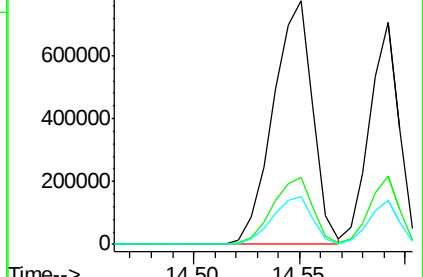
229 19.4 16.3 24.5



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



#82

Chrysene

Concen: 33.96 ng

RT: 14.59 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

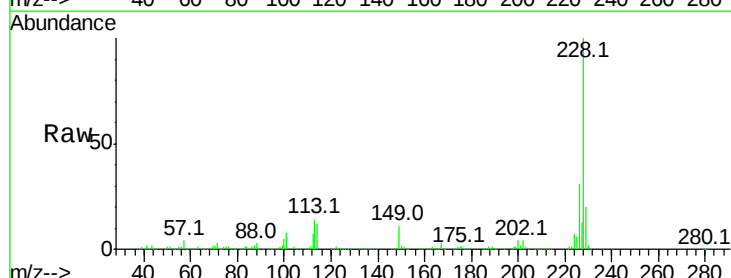
Tgt Ion:228 Resp: 692410

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	19.6	15.8	23.6

228 100

226 30.8 24.9 37.3

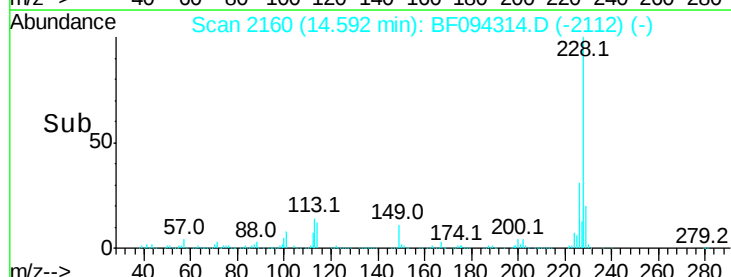
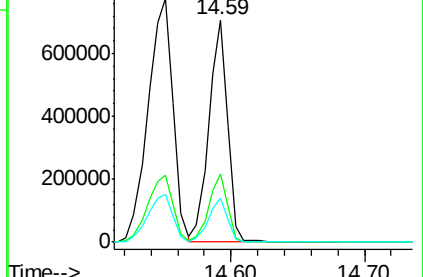
229 19.6 15.8 23.6

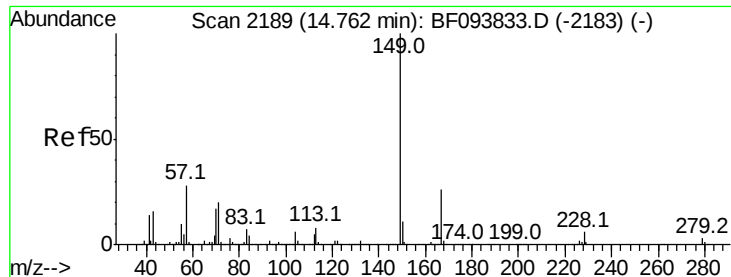


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 34.53 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

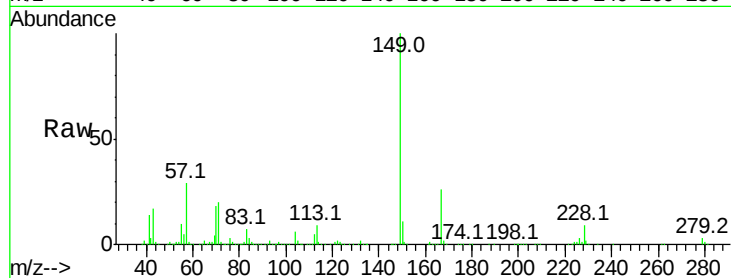
Tot Ion:149 Resp: 548811

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

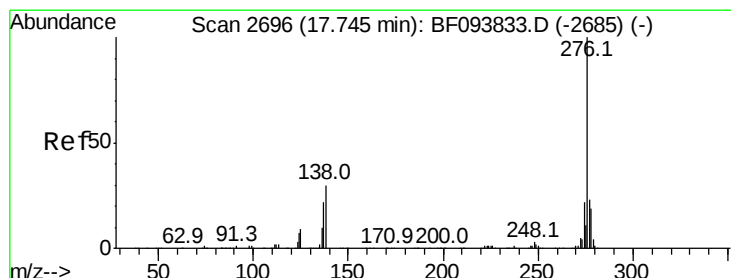
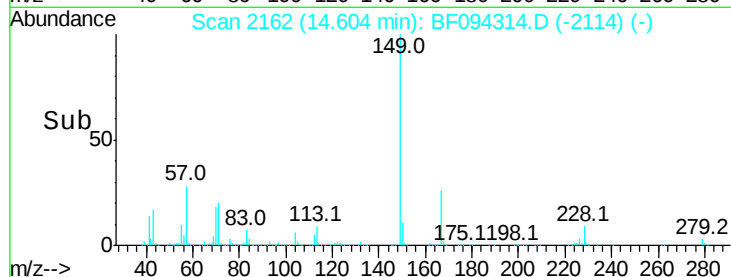
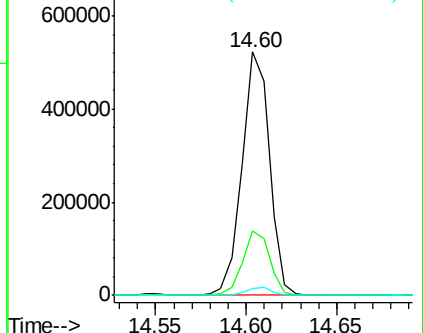
279 2.6 1.9 2.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 33.17 ng

RT: 17.50 min Scan# 2655

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

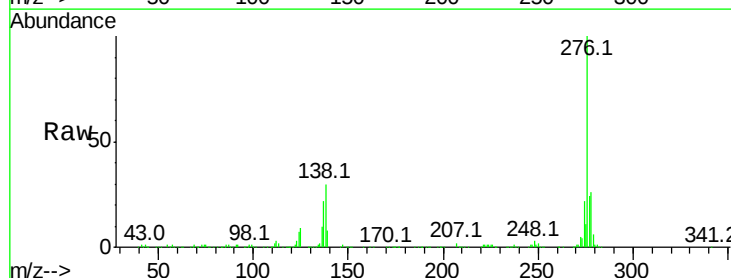
Tgt Ion:276 Resp: 585755

Ion Ratio Lower Upper

276 100

138 33.8 27.8 41.6

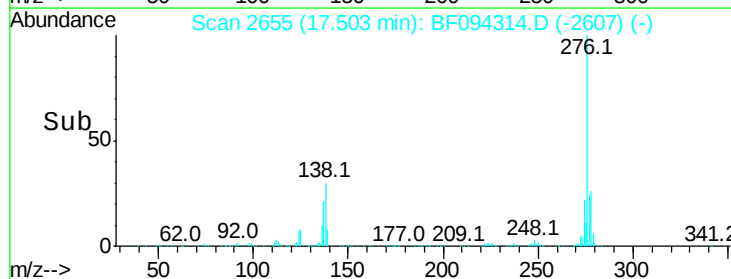
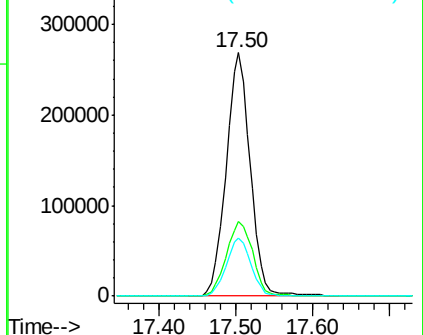
277 24.8 20.2 30.4

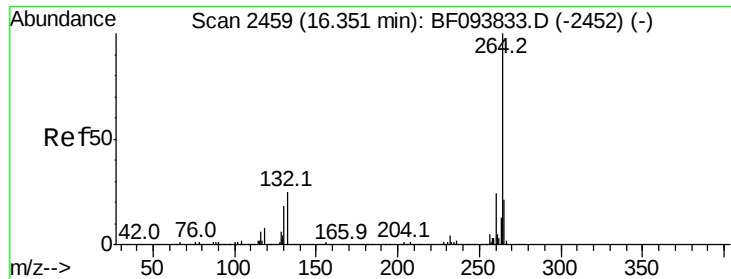


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

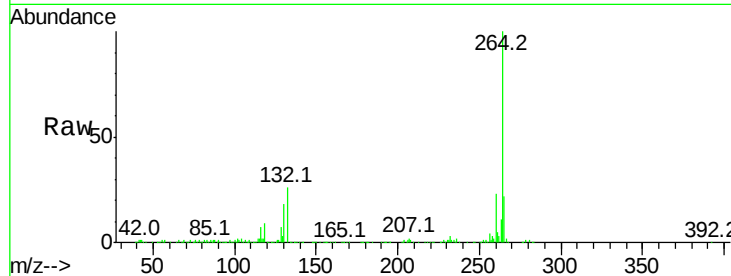




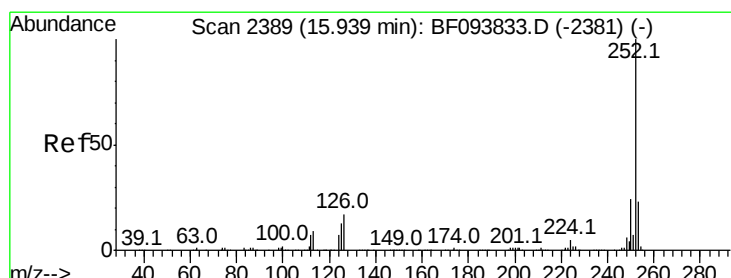
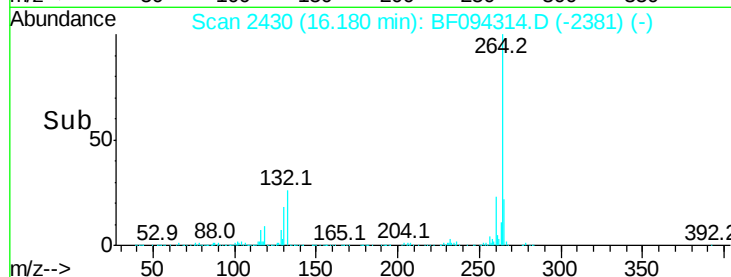
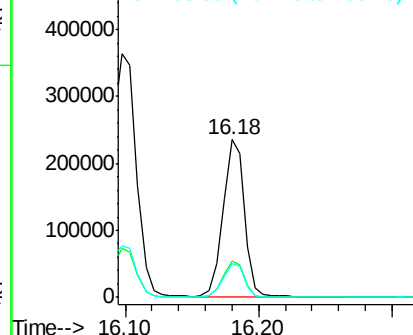
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.6	17.2	25.8

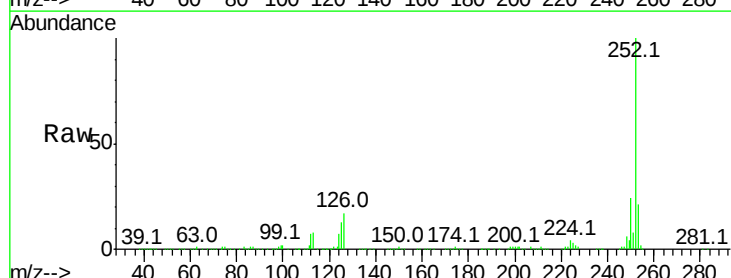


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

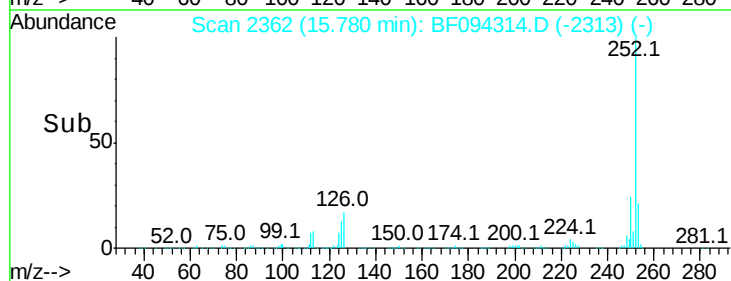
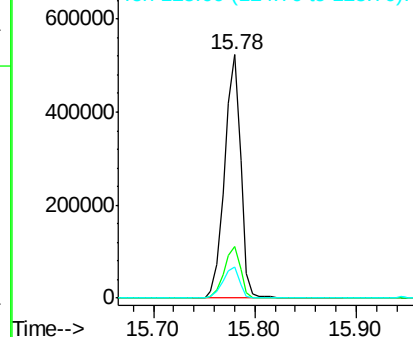


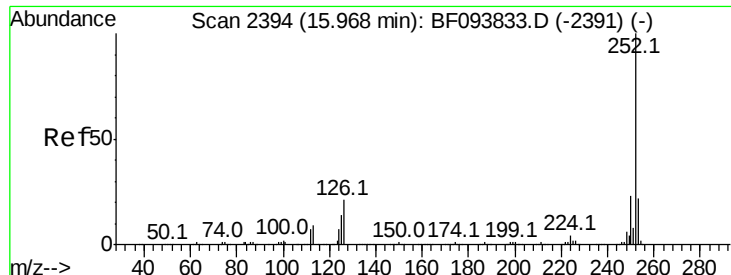
#87
Benzo(b)fluoranthene
Concen: 35.29 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.0	9.8	14.8



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

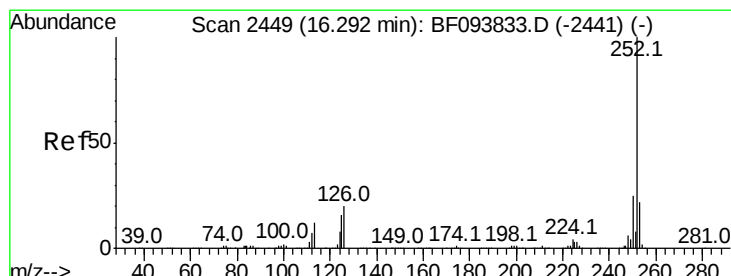
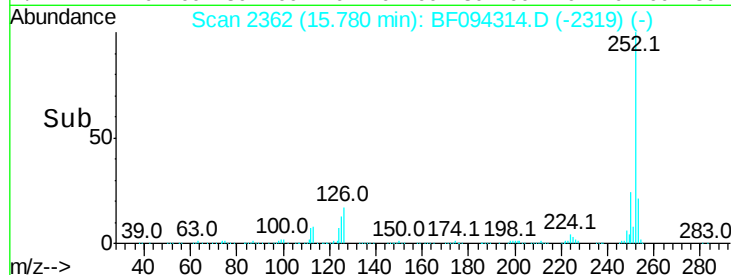
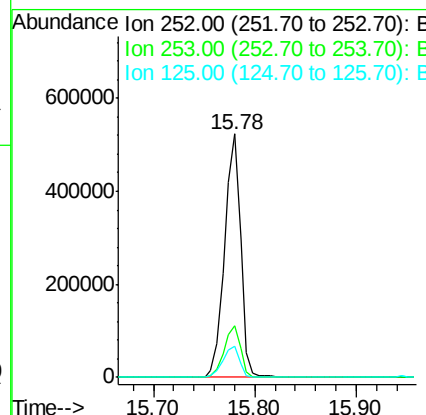
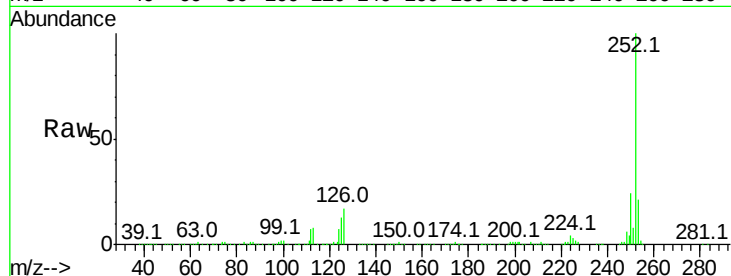




#88
Benzo(k)fluoranthene
Concen: 36.07 ng
RT: 15.78 min Scan# 2362
Delta R.T. -0.05 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

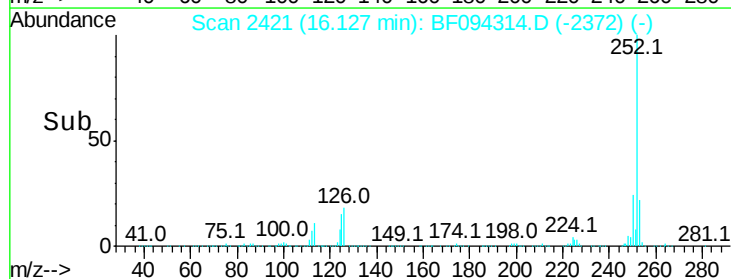
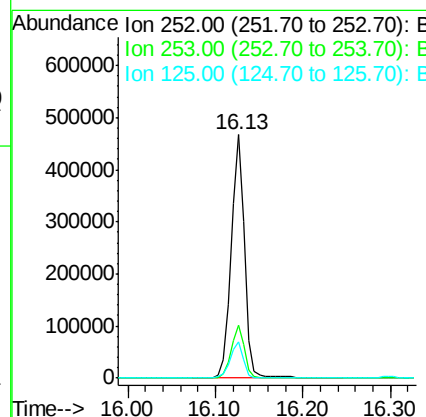
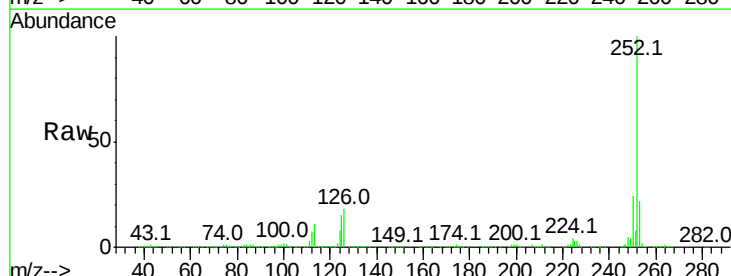
Instrument :
BNA_F
ClientSampleId :

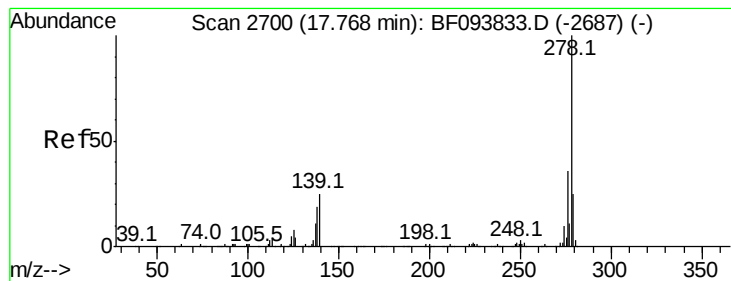
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	13.0	13.1	19.7#



#89
Benzo(a)pyrene
Concen: 32.80 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	14.7	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 29.41 ng

RT: 17.52 min Scan# 2658

Delta R.T. -0.02 min

Lab File: BF094314.D

Acq: 10 Apr 2017 16:38

Instrument :

BNA_F

ClientSampleId :

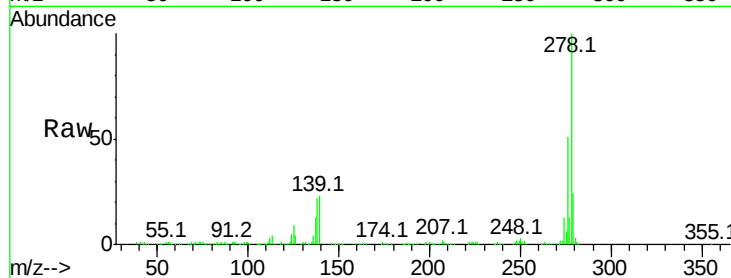
Tot Ion:278 Resp: 375678

Ion Ratio Lower Upper

278 100

139 22.7 16.6 24.8

279 23.8 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

