

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 :
 X2813RE

Quant Time: Apr 11 13:05:32 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0d	0.00	ng	
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	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds	R.T.	QIon	Response	Conc	Units	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
36) 4-Chloro-3-methylphenol	8.07	107	499615	53.09	ng	91
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
45) 1,1'-Biphenyl	8.79	154	831721	34.58	ng	98
46) 2-Chloronaphthalene	8.80	162	407929	21.66	ng	96
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
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
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

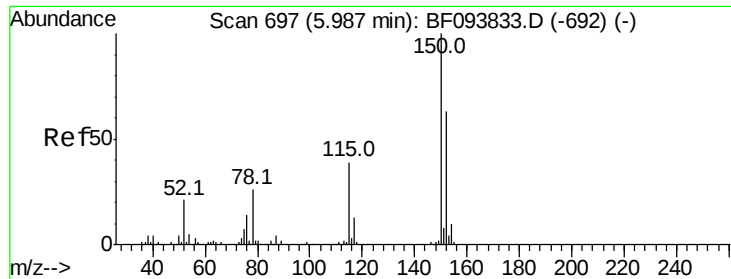
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	14.60	149	548811	34.53	nq	100
85) Indeno(1,2,3-cd)pyrene	17.50	276	585755	33.17	nq	99
87) Benzo(b)fluoranthene	15.78	252	577995	35.29	nq	98
89) Benzo(a)pyrene	16.13	252	494631	32.80	nq	99
90) Dibenzo(a,h)anthracene	17.52	278	375678	29.41	nq	98

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



#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 :

X2813RE

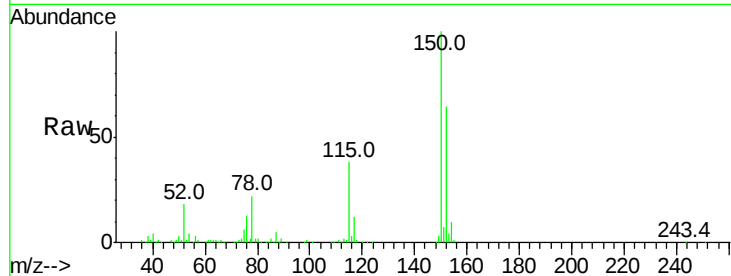
Tot Ion:152 Resp: 165107

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

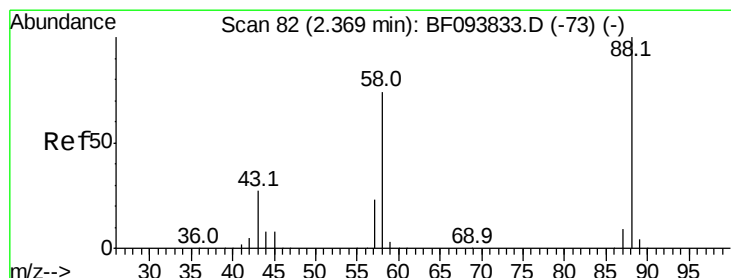
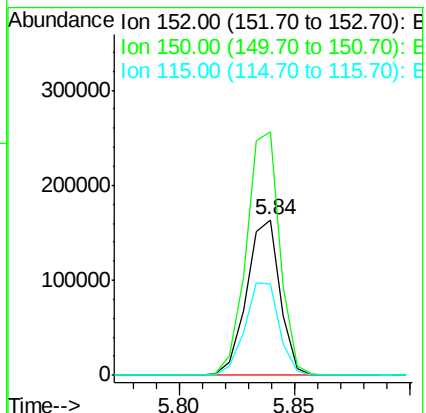
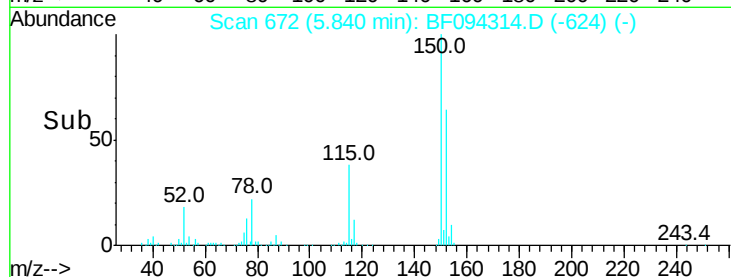
115 58.6 52.2 78.2



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

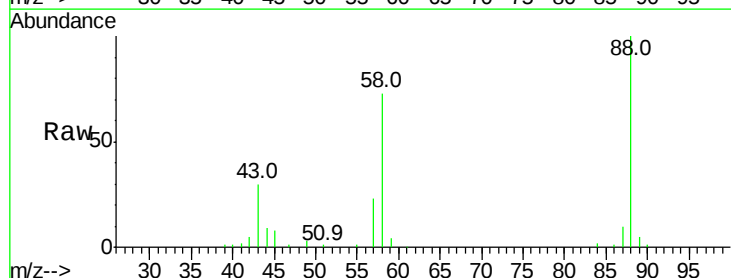
Tgt Ion: 88 Resp: 105511

Ion Ratio Lower Upper

88 100

58 73.5 61.4 92.0

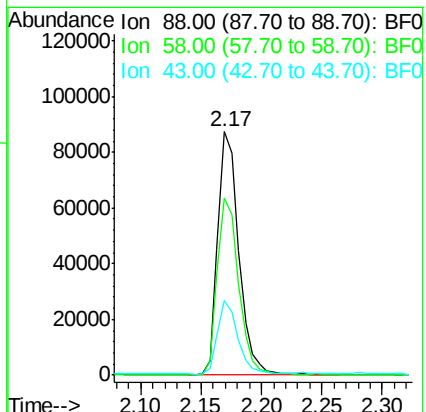
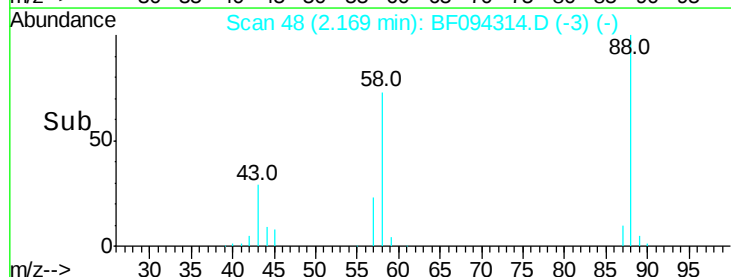
43 29.1 23.4 35.0

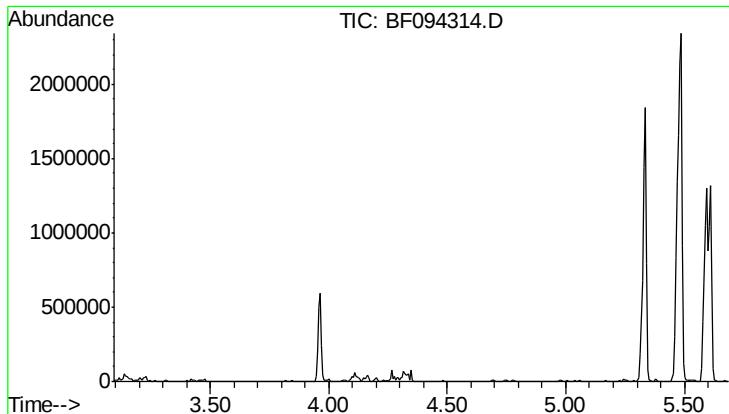


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

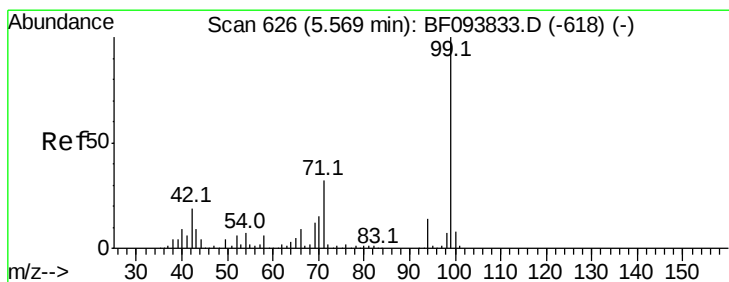
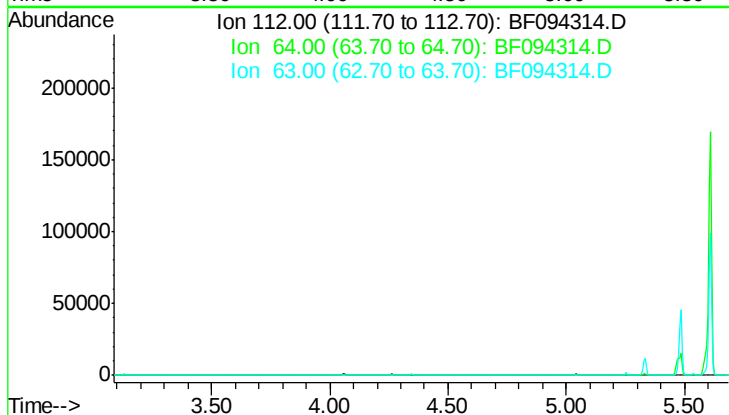




#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 4.39 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

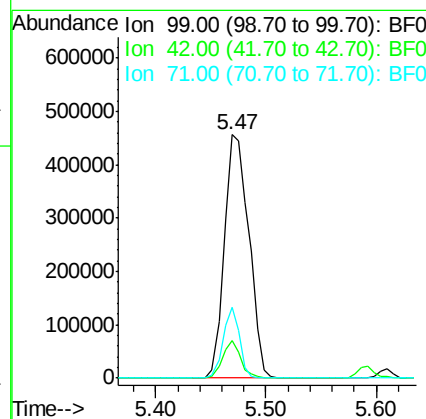
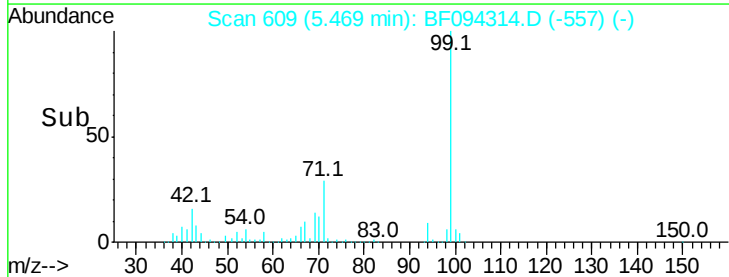
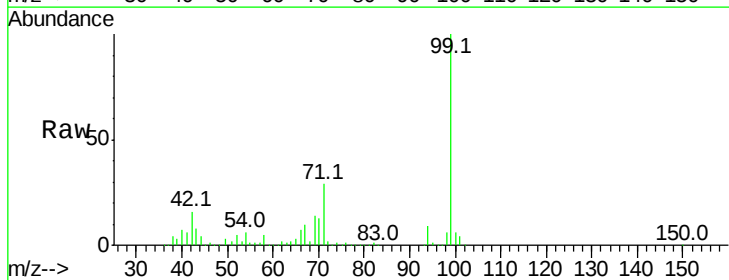
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

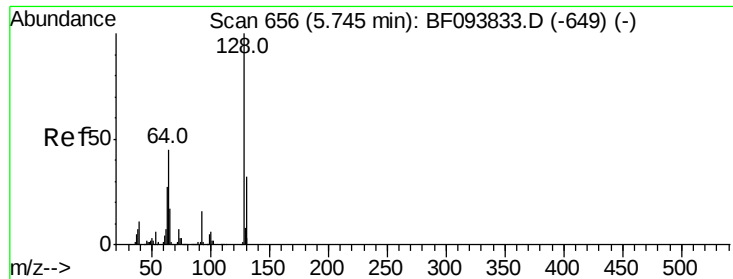
Tot Ion: 112
 Sig Exp Ratio
 112 100
 64 57.5
 63 29.2



#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

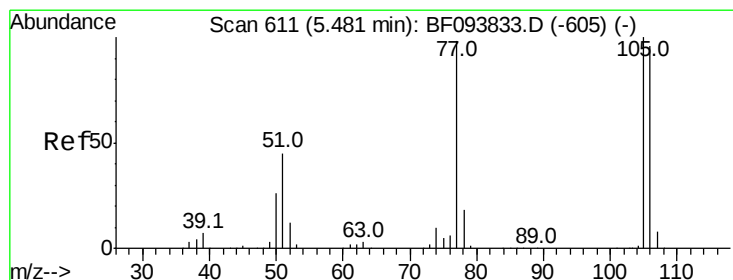
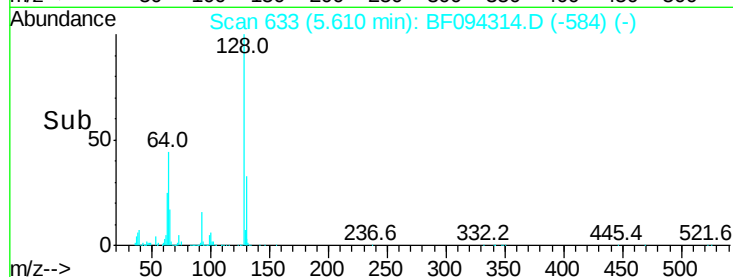
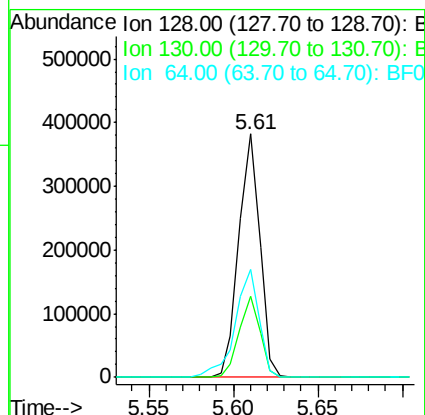
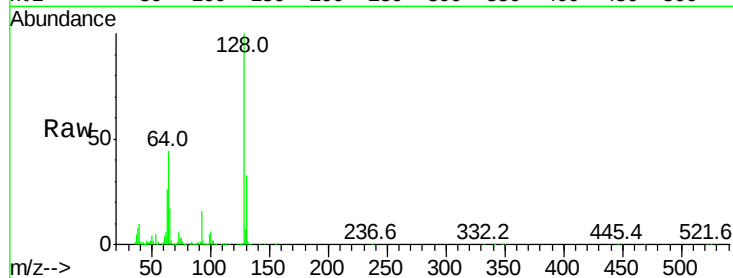




#8
2-Chlorophenol
Concen: 30.98 ng
RT: 5.61 min Scan# 633
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

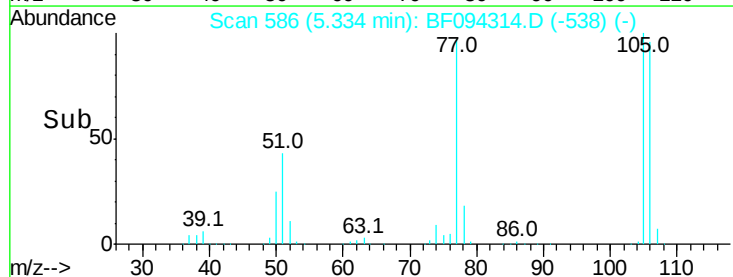
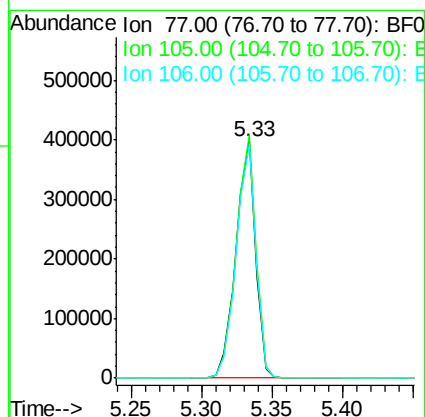
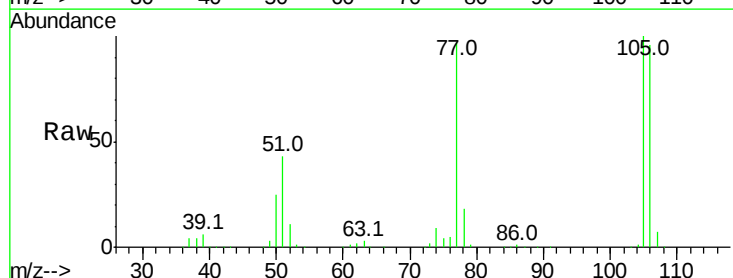
Instrument :
BNA_F
ClientSampleId :
X2813RE

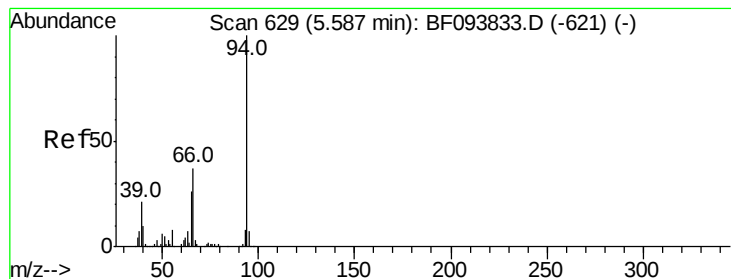
Tot Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.9	52.9
64	44.3	28.4	68.4



#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	Ratio	Lower	Upper
77	100		
105	102.8	83.8	123.8
106	98.9	79.1	119.1





#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 :

X2813RE

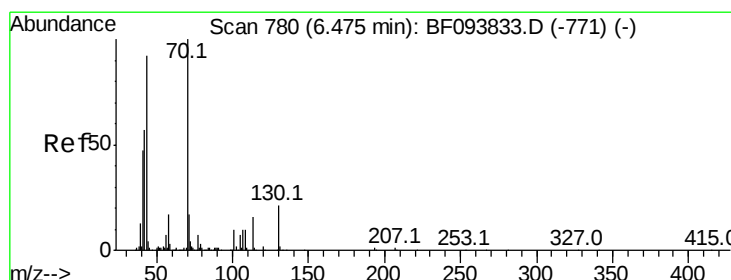
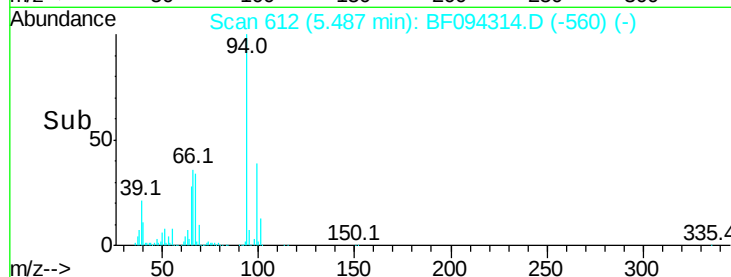
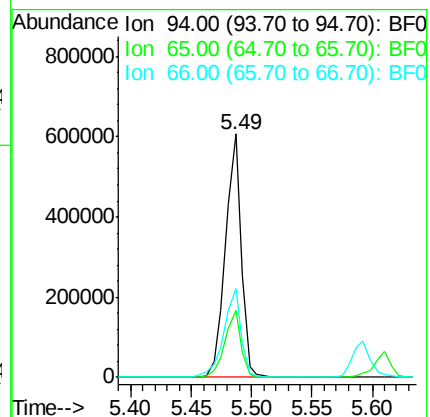
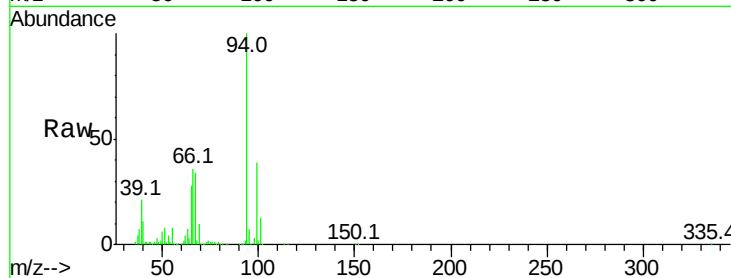
Tot Ion: 94 Resp: 547015

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

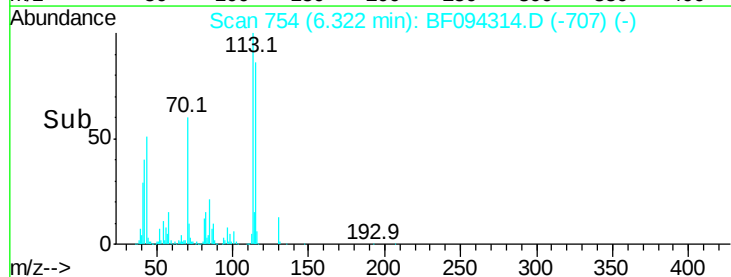
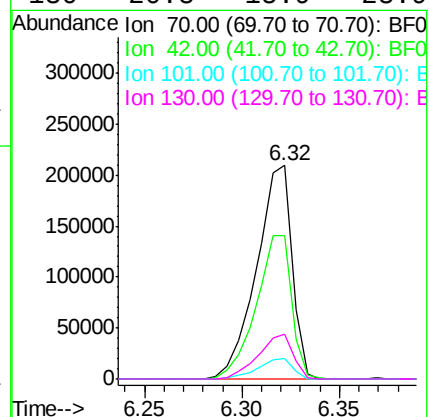
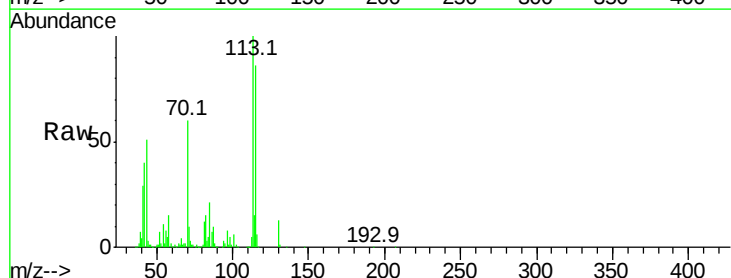
Ion Ratio Lower Upper

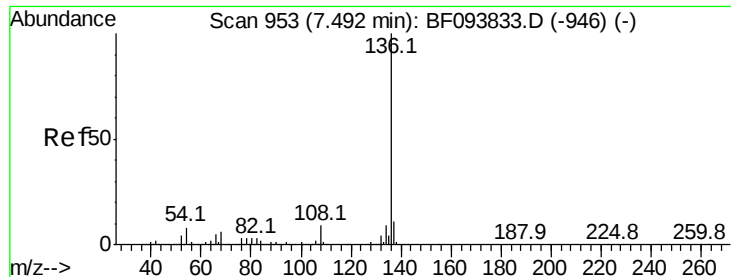
70 100

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

ClientSampleId :

X2813RE

Tot Ion:136 Resp: 678330

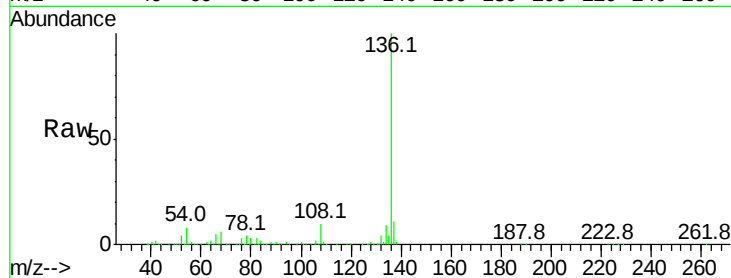
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.8 4.9 7.3#

68 6.0 4.1 6.1

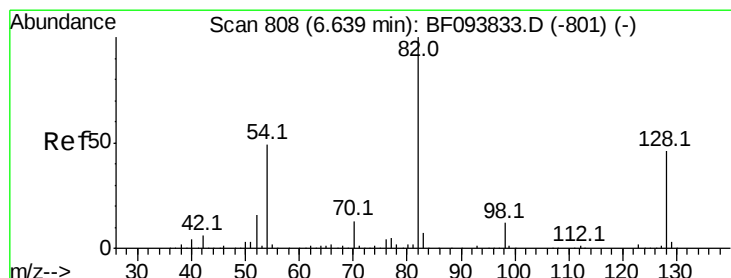
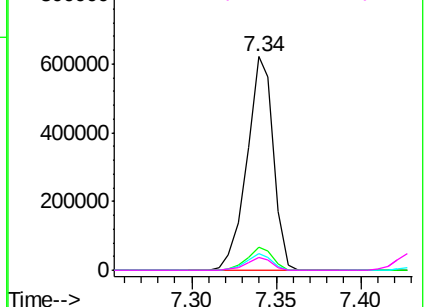
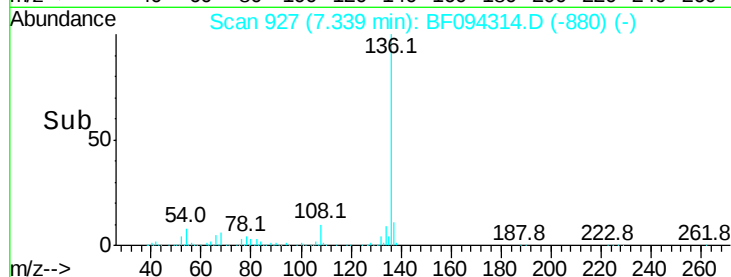


Abundance Ion 136.00 (135.70 to 136.70): E

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

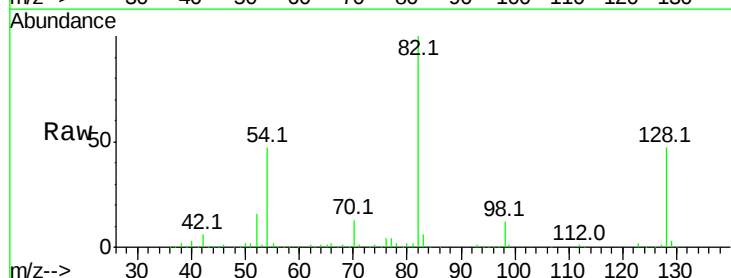
Tgt Ion: 82 Resp: 384759

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

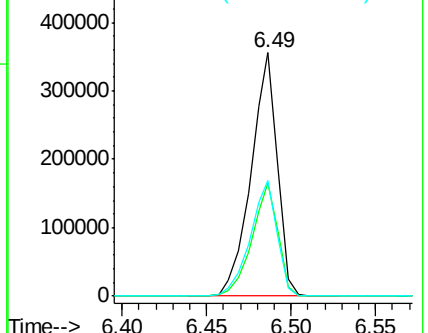
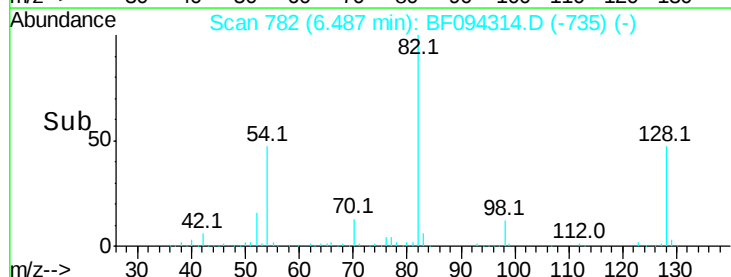
54 47.3 42.2 63.2

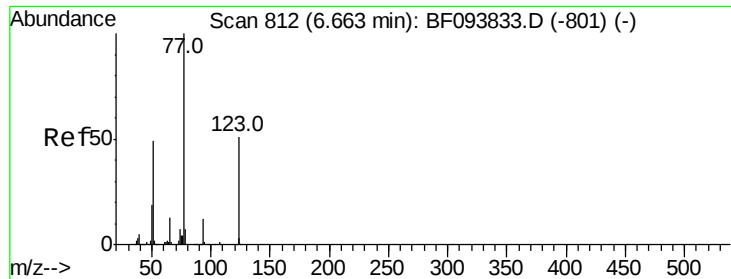


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

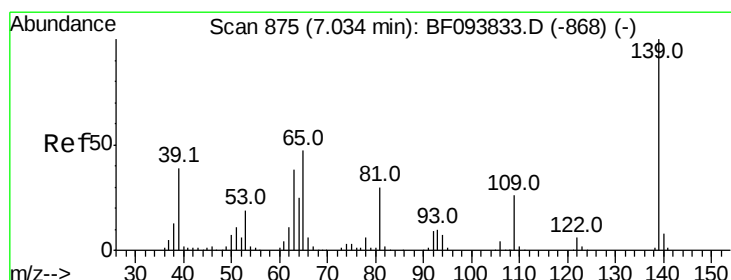
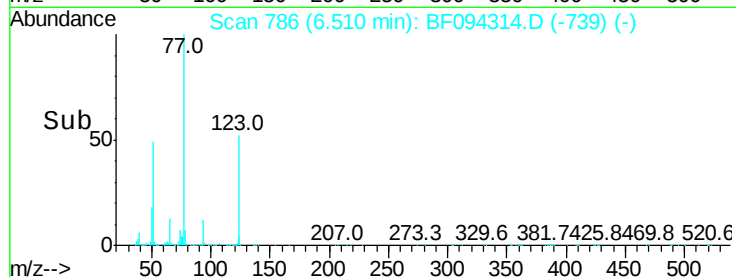
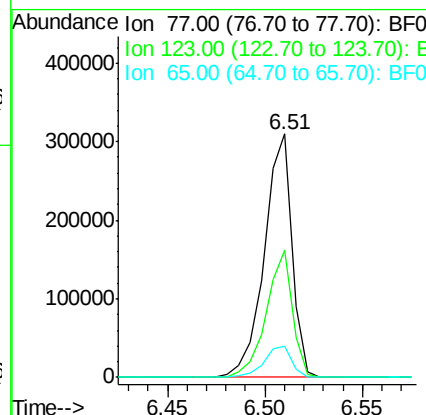
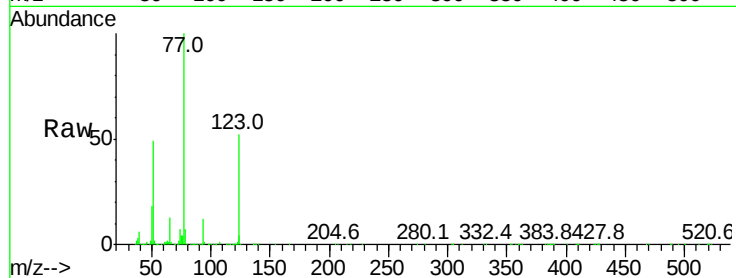




#24
Nitrobenzene
Concen: 25.93 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

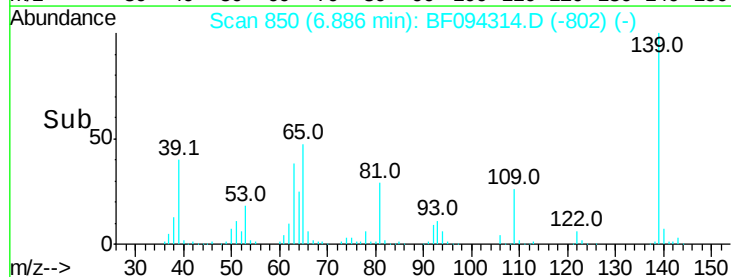
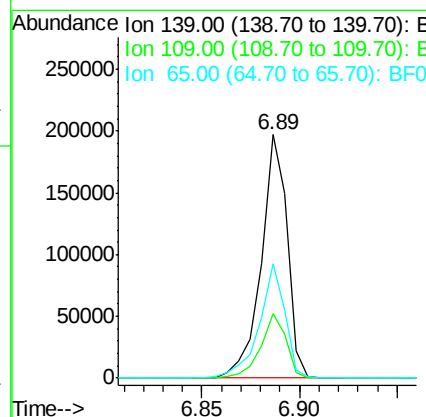
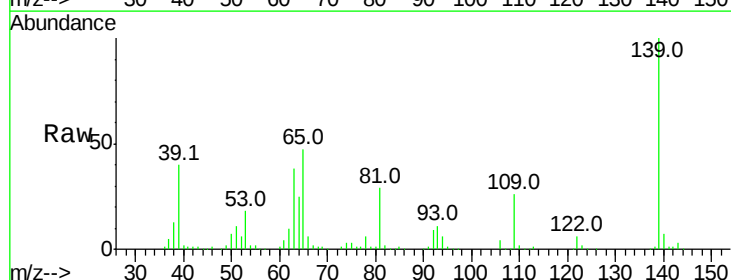
Instrument :
BNA_F
ClientSampleId :
X2813RE

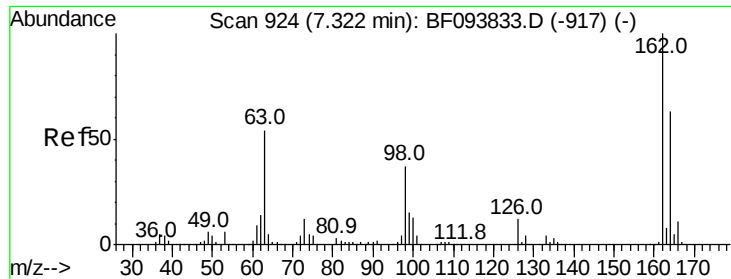
Tot Ion: 77 Resp: 304020
Ion Ratio Lower Upper
77 100
123 52.3 35.8 53.8
65 12.6 10.6 15.8



#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

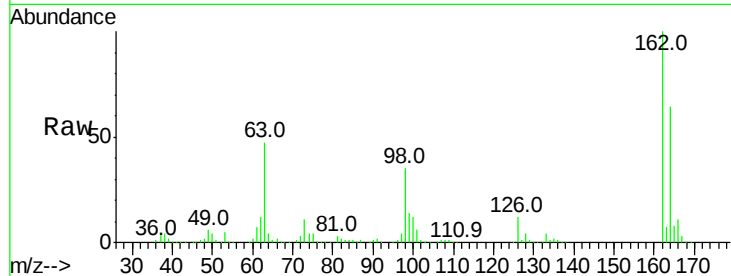




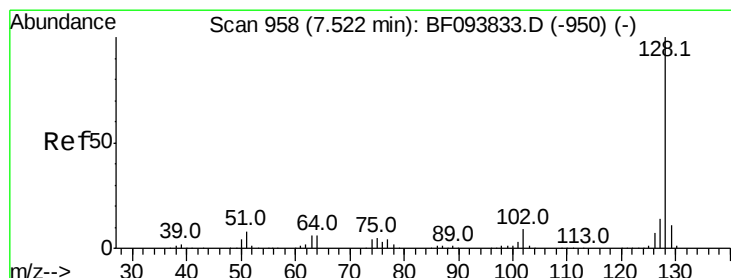
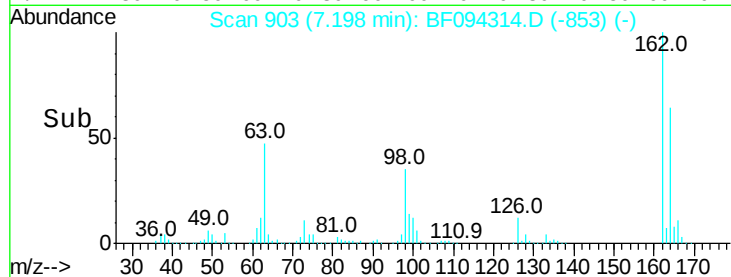
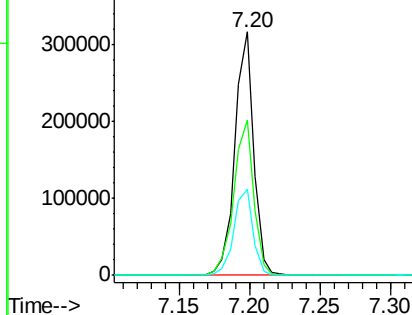
#29
 2,4-Dichlorophenol
 Concen: 32.39 ng
 RT: 7.20 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

Tot Ion:162	Resp:	291682
Ion Ratio	Lower	Upper
162	100	
164	64.0	44.6 84.6
98	35.4	14.8 54.8

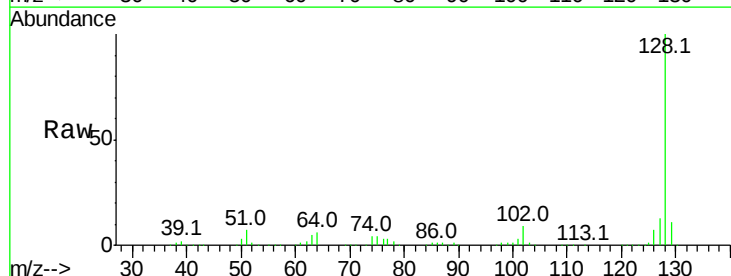


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

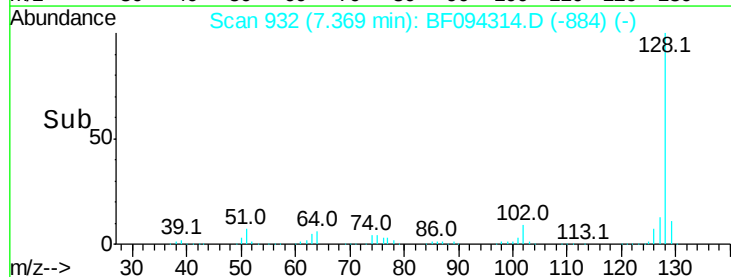
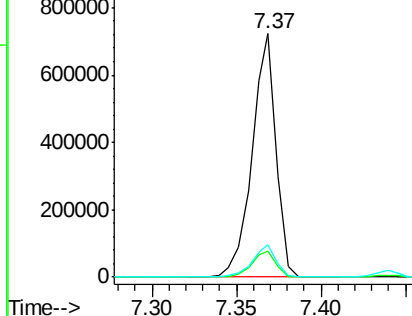


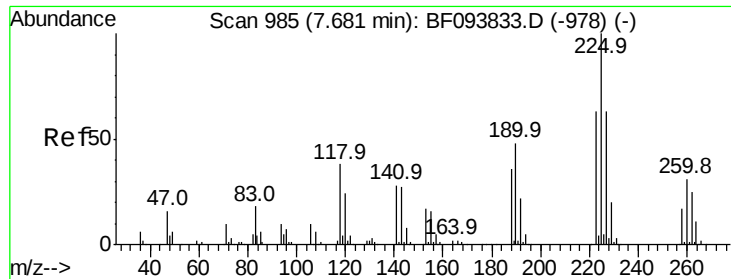
#31
 Naphthalene
 Concen: 21.76 ng
 RT: 7.37 min Scan# 932
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Tgt Ion:128	Resp:	709838
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

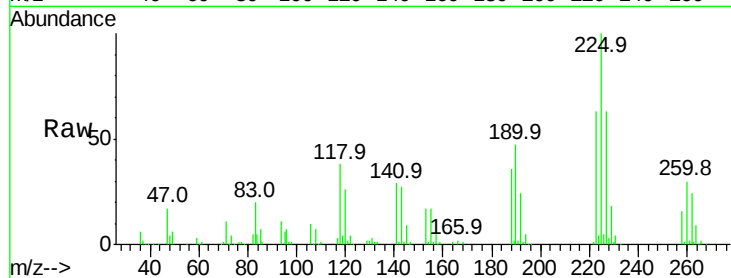




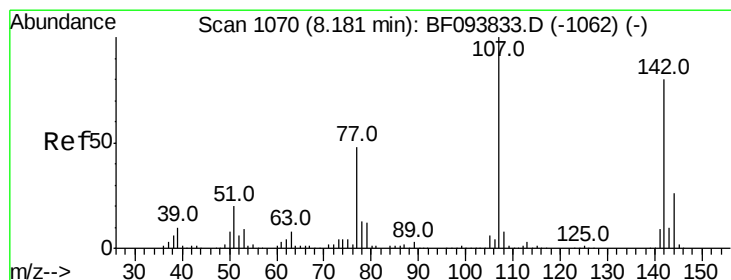
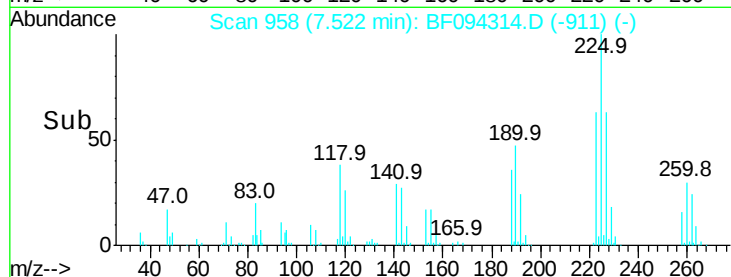
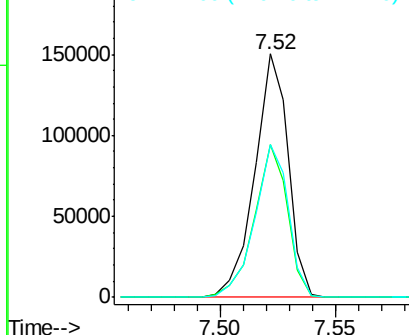
#34
Hexachlorobutadiene
Concen: 31.85 ng
RT: 7.52 min Scan# 958
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :
X2813RE

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

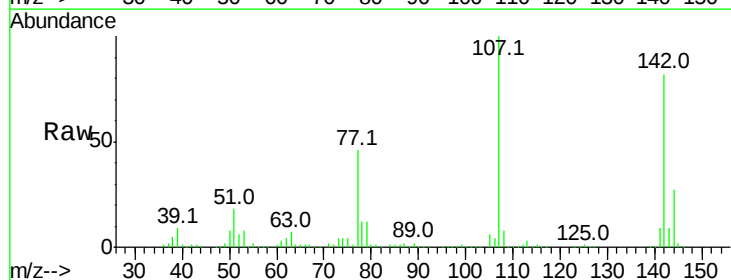


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

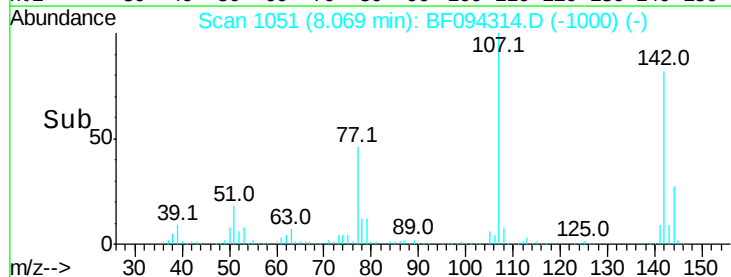
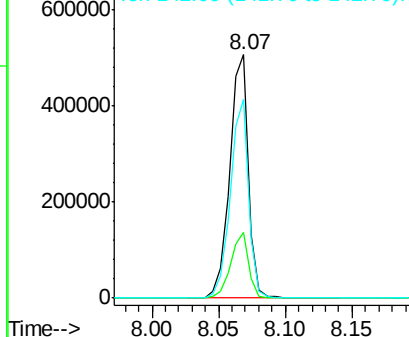


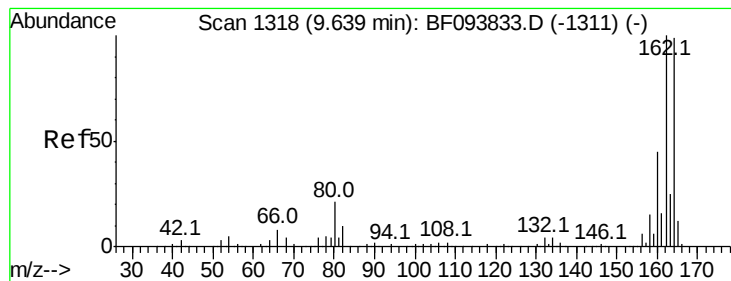
#36
4-Chloro-3-methylphenol
Concen: 53.09 ng
RT: 8.07 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

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



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





#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 :

X2813RE

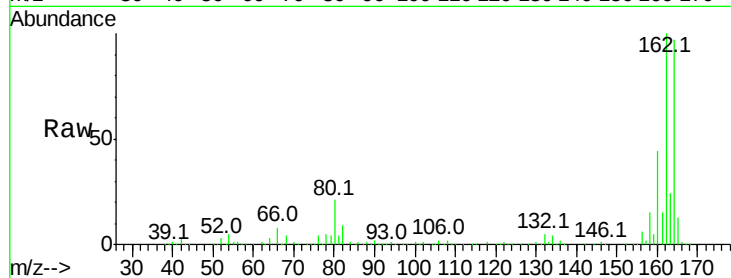
Tot Ion:164 Resp: 298219

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

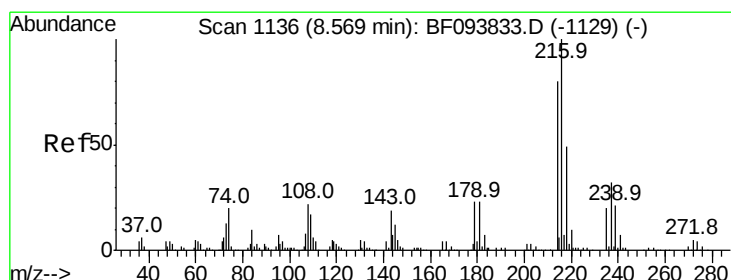
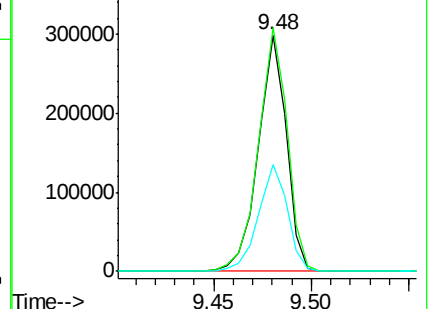
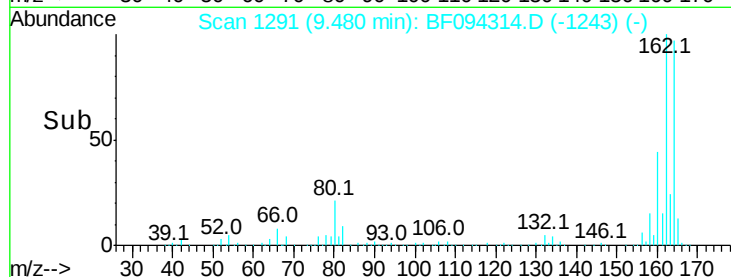
160 45.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 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:216 Resp: 225655

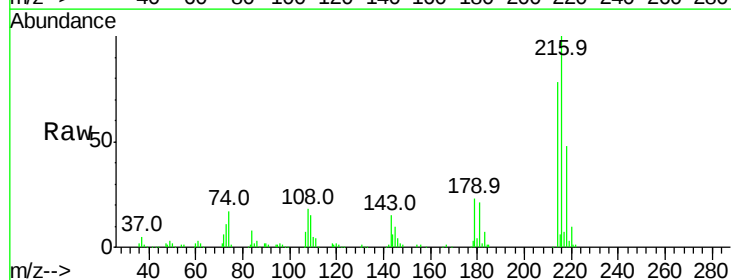
Ion Ratio Lower Upper

216 100

214 78.2 63.4 95.2

179 22.6 17.9 26.9

108 19.1 16.5 24.7

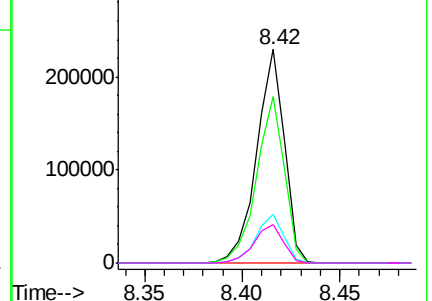
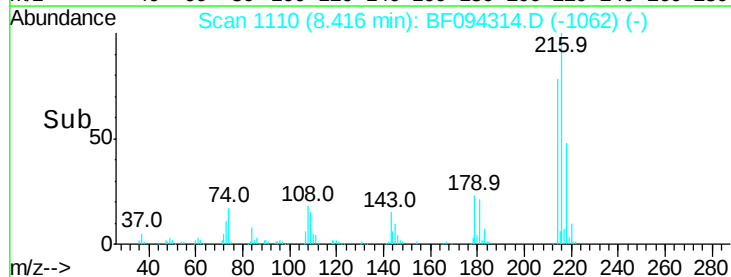


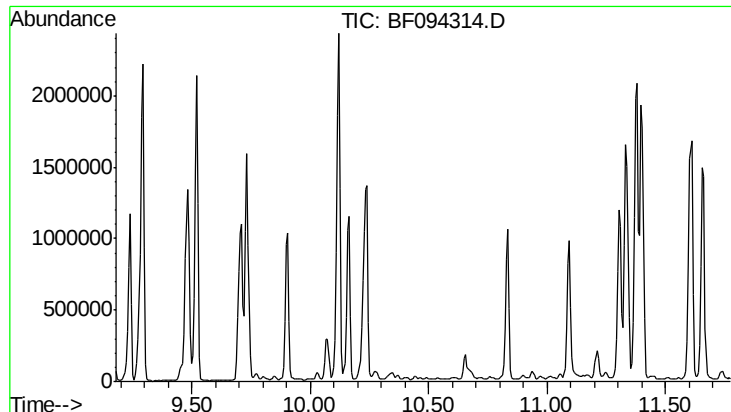
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

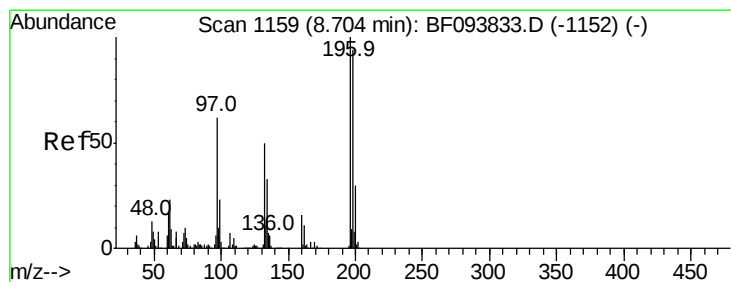
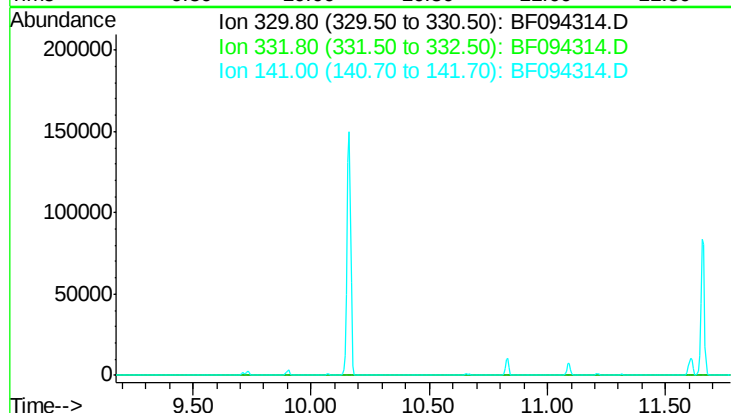




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.47 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

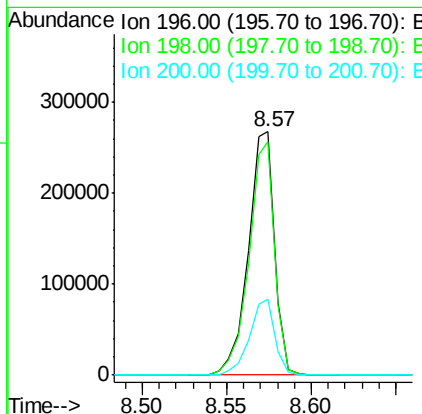
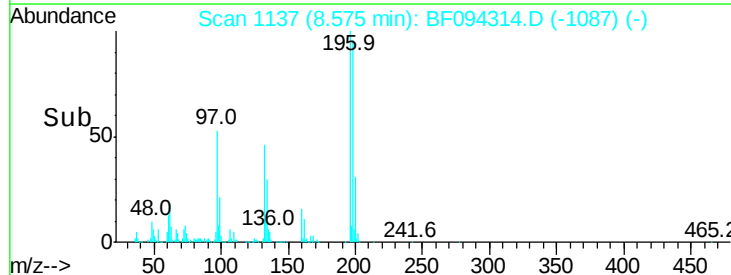
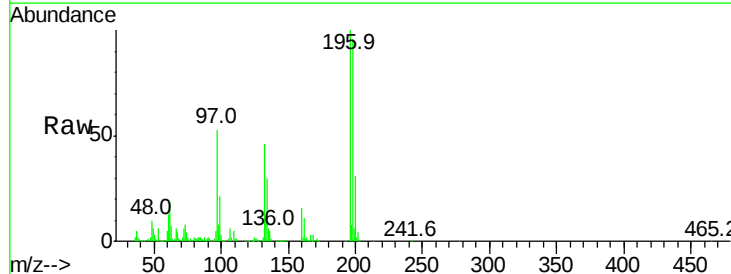
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

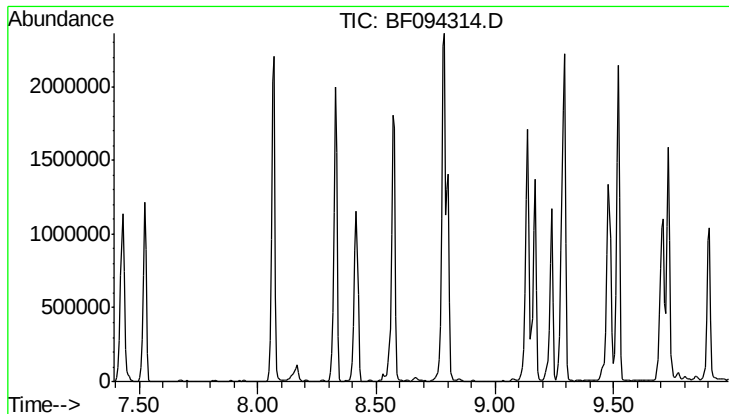
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 95.8
 141 39.3



#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

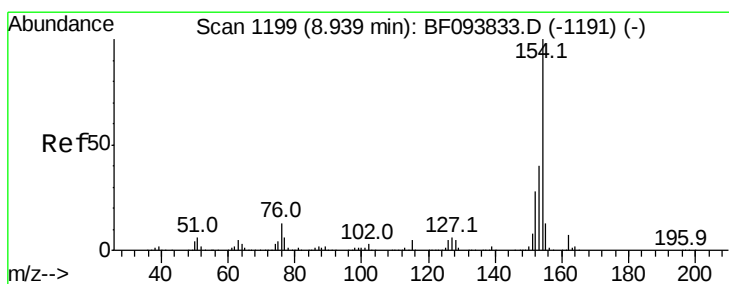
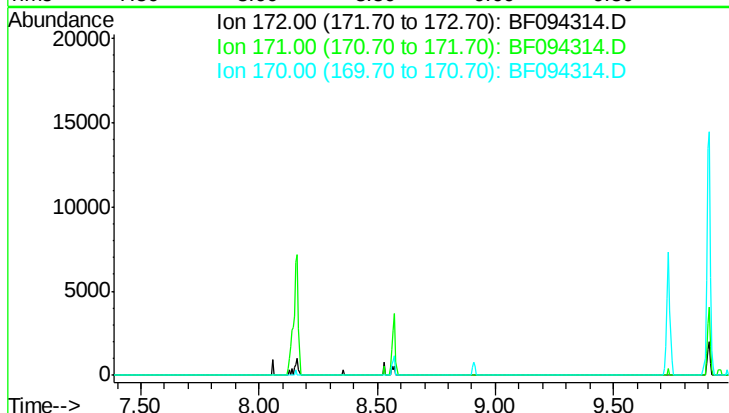




#44
 2-Fluorobiphenyl
 Concen: 0.00 ng
 Expected RT: 8.69 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

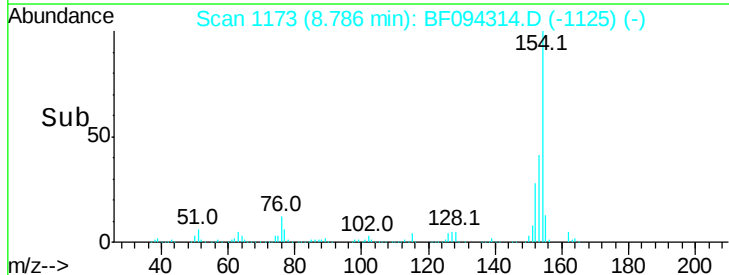
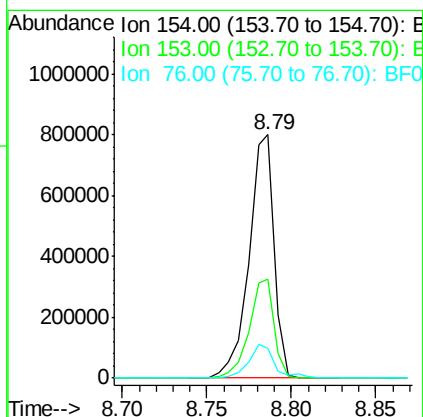
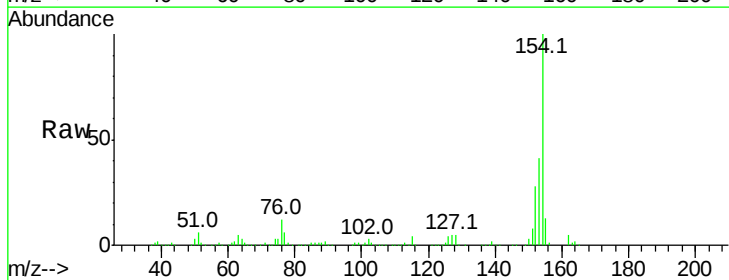
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

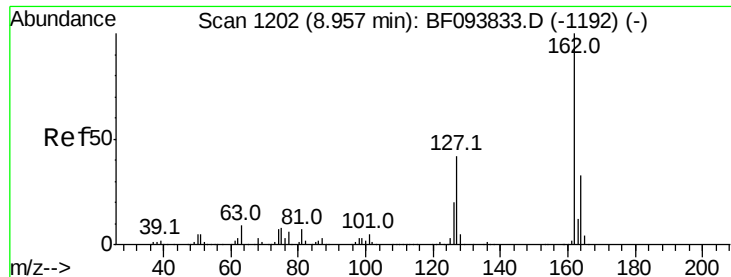
Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 37.0
 170 24.8



#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

Tgt Ion:154 Resp: 831721
 Ion Ratio Lower Upper
 154 100
 153 40.5 21.2 61.2
 76 12.0 0.0 29.9

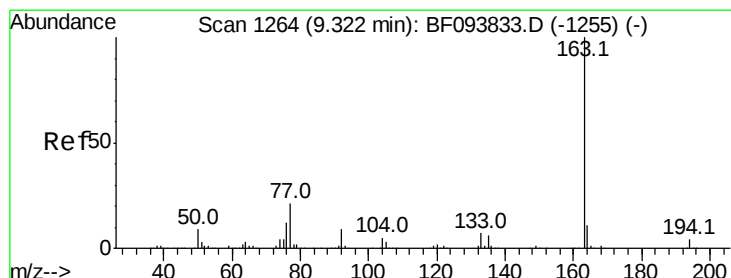
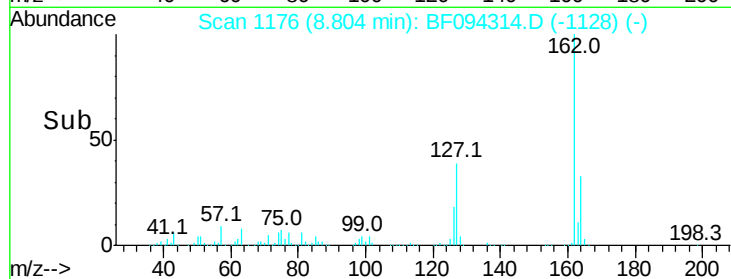
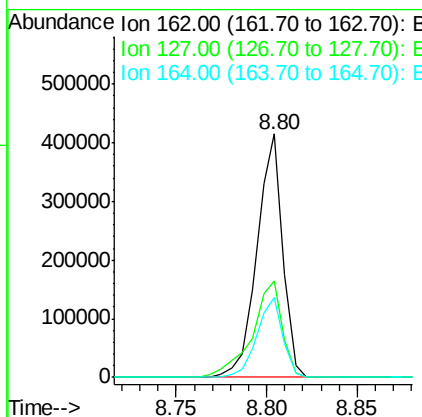
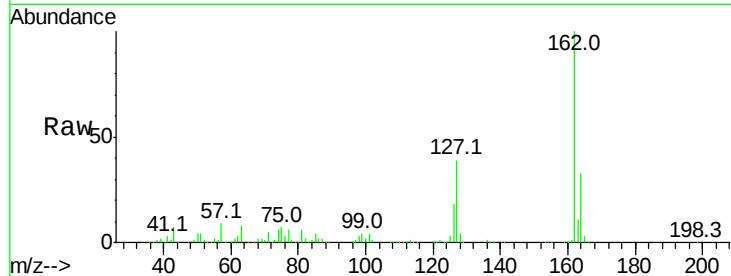




#46
 2-Chloronaphthalene
 Concen: 21.66 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

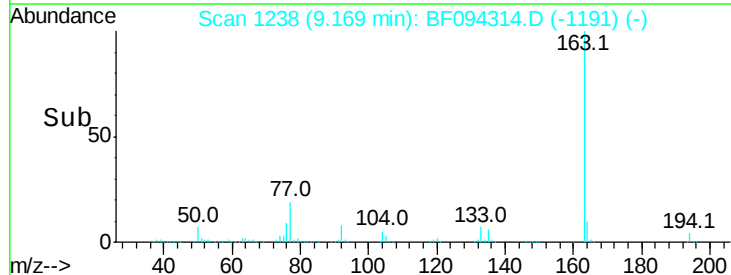
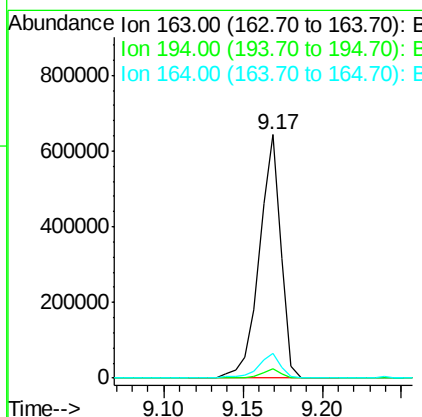
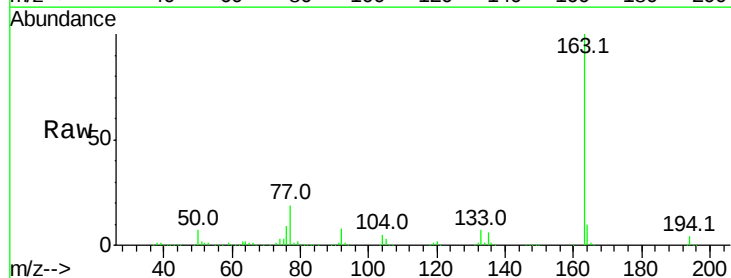
Instrument :
 BNA_F
 ClientSampled :
 X2813RE

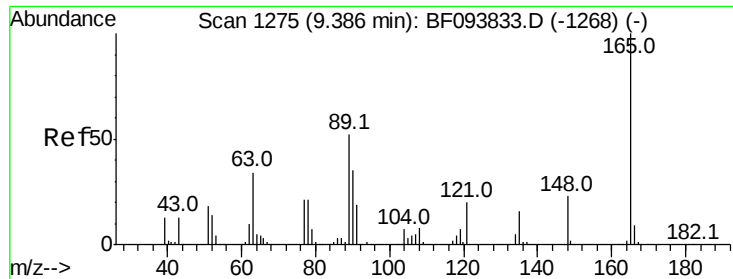
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.4	28.3	42.5
164	32.6	27.0	40.4



#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	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	10.1	8.4	12.6

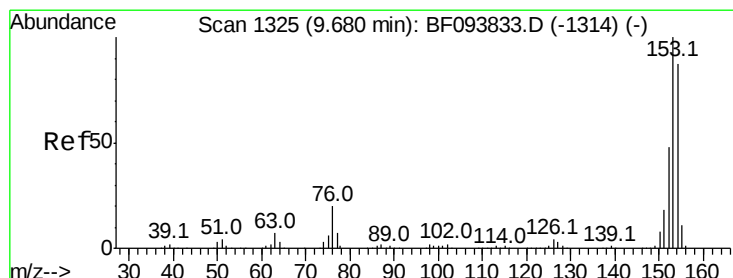
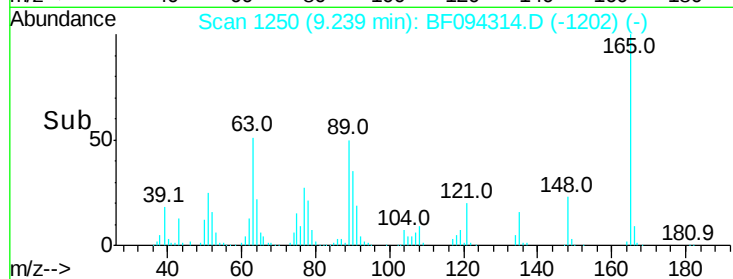
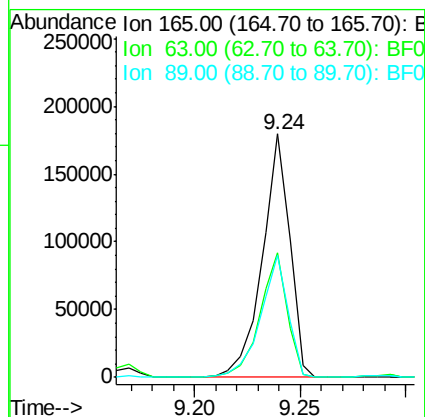
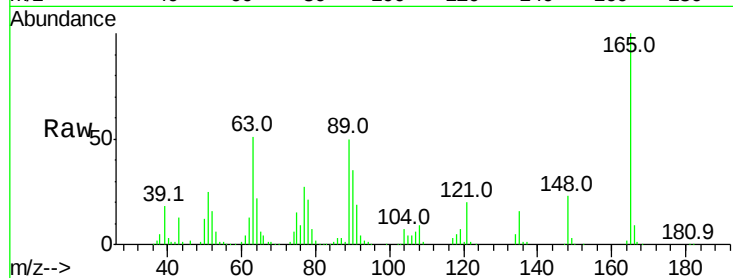




#50
 2,6-Dinitrotoluene
 Concen: 33.55 ng
 RT: 9.24 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

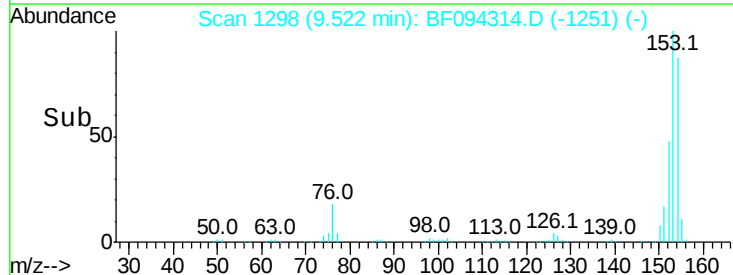
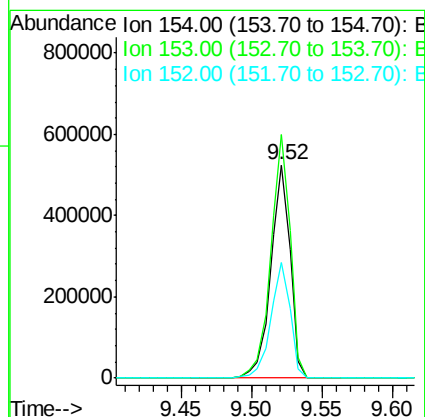
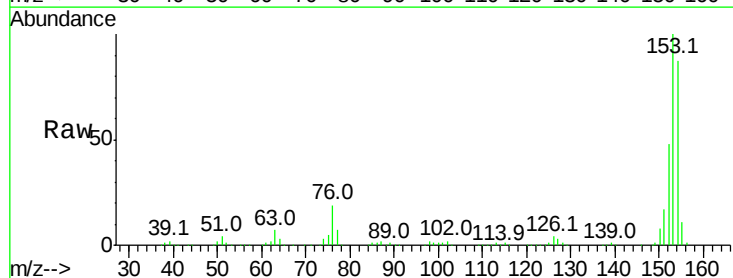
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

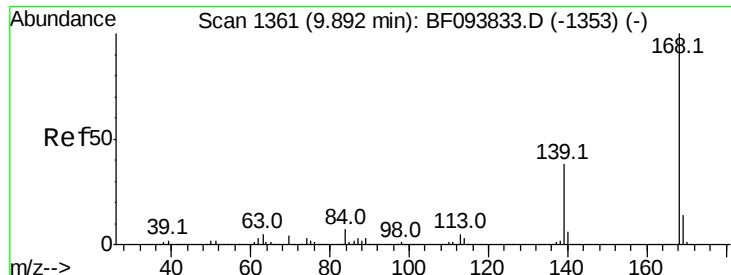
Tot Ion	Ratio	Lower	Upper
165	100		
63	51.3	34.3	51.5
89	50.3	37.1	55.7



#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

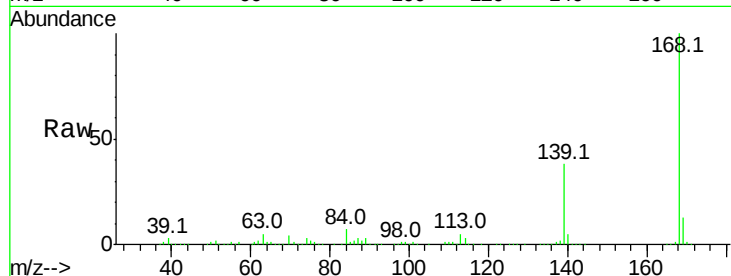




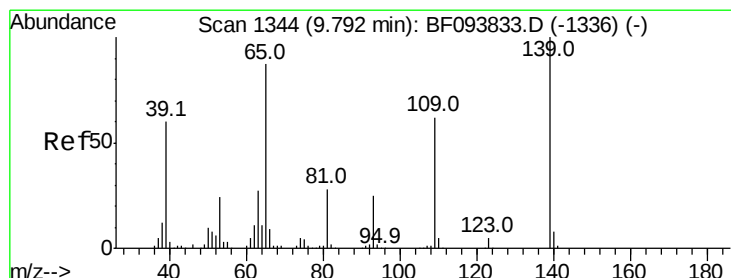
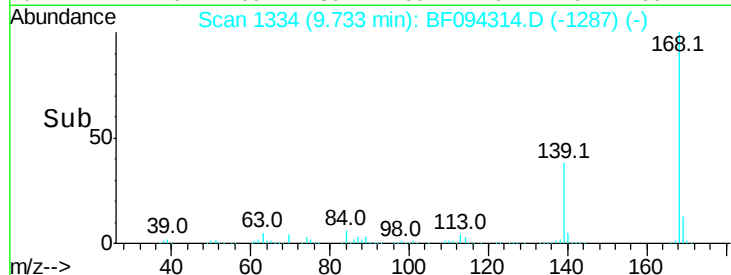
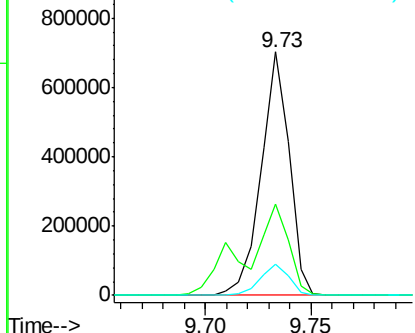
#54
Dibenzofuran
Concen: 26.21 ng
RT: 9.73 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :
X2813RE

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

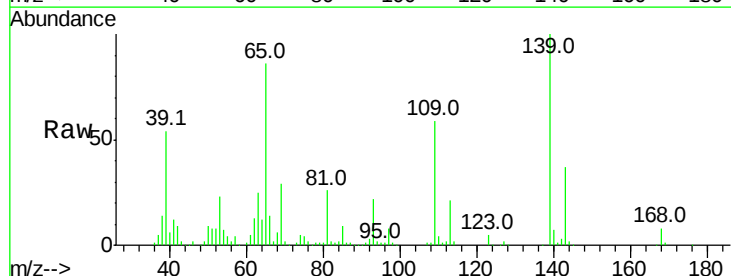


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

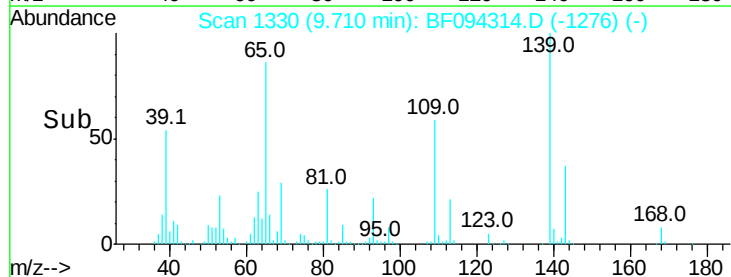
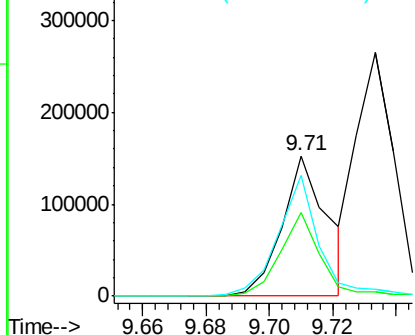


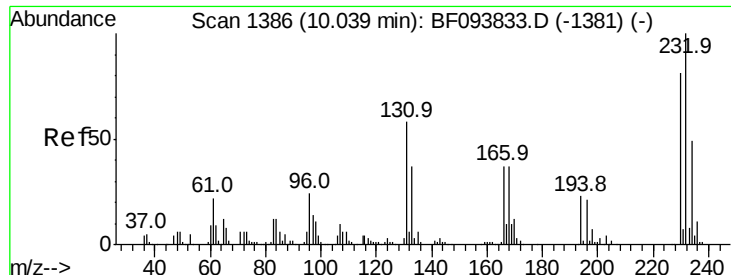
#55
4-Nitrophenol
Concen: 33.93 ng
RT: 9.71 min Scan# 1330
Delta R.T. 0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

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

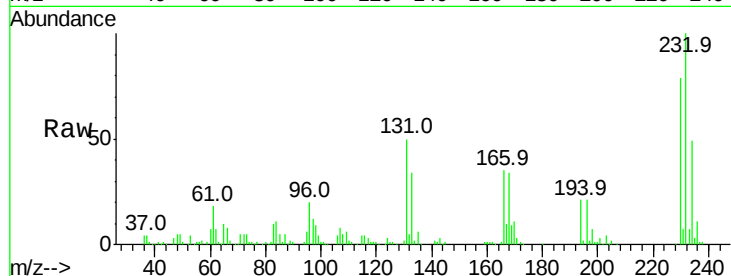




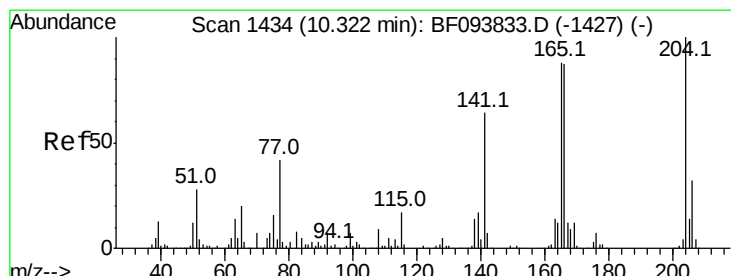
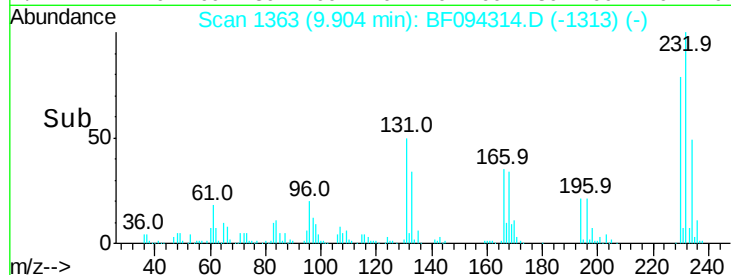
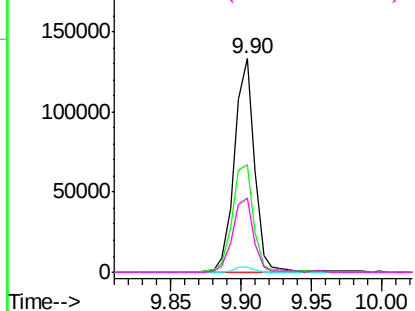
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 30.98 ng
 RT: 9.90 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

Instrument :
 BNA_F
 ClientSampled :
 X2813RE

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

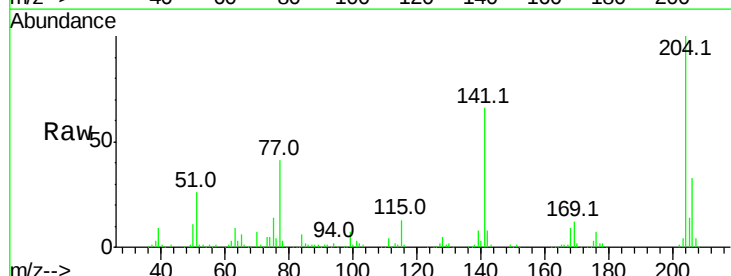


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

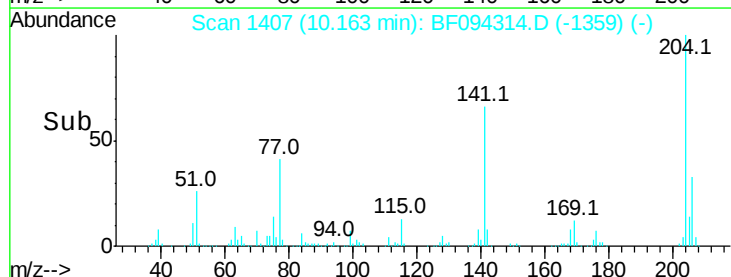
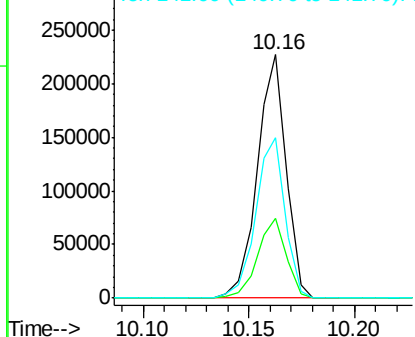


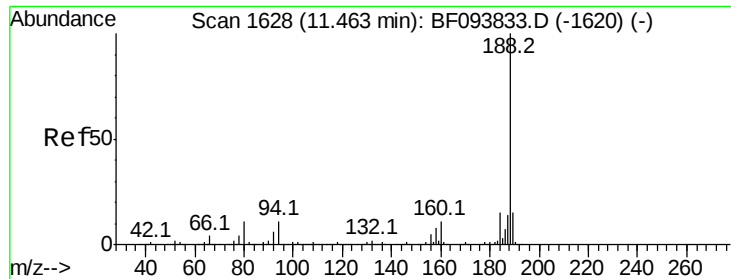
#60
 4-Chlorophenyl-phenylether
 Concen: 24.56 ng
 RT: 10.16 min Scan# 1407
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

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

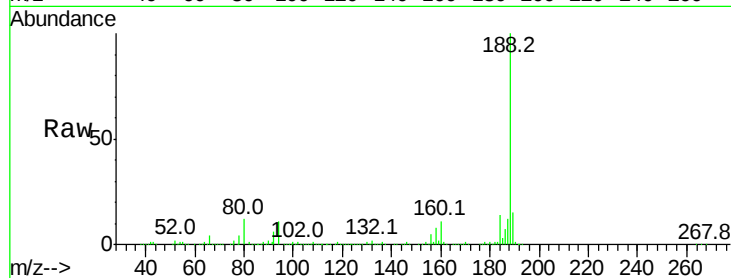




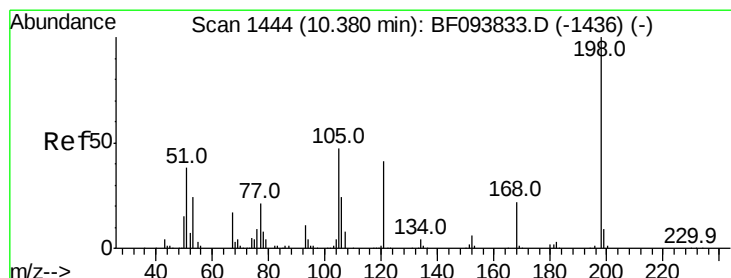
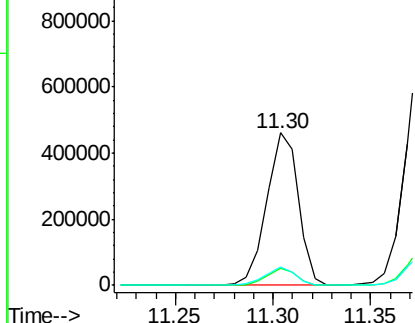
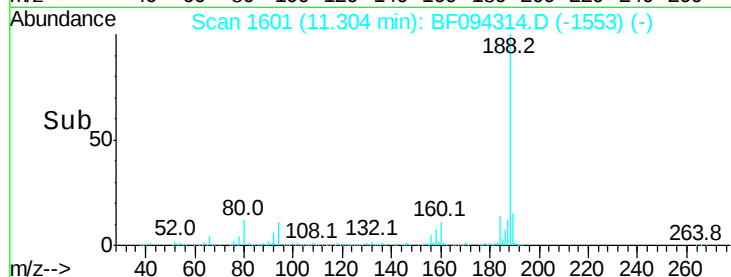
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :
X2813RE

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

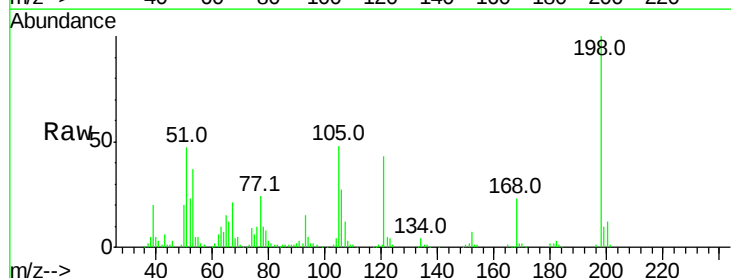


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

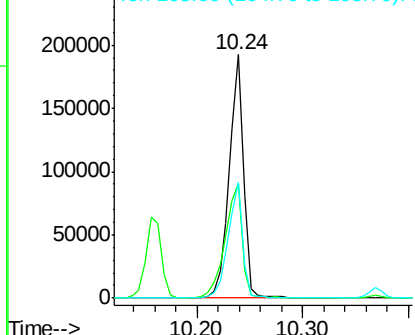
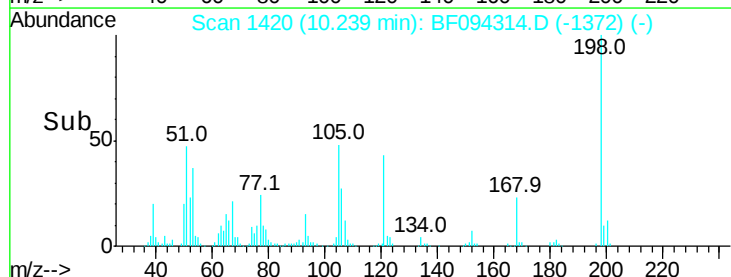


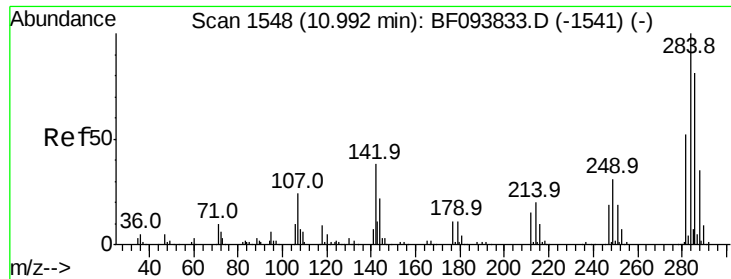
#64
4,6-Dinitro-2-methylphenol
Concen: 57.12 ng
RT: 10.24 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

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



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#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 :

X2813RE

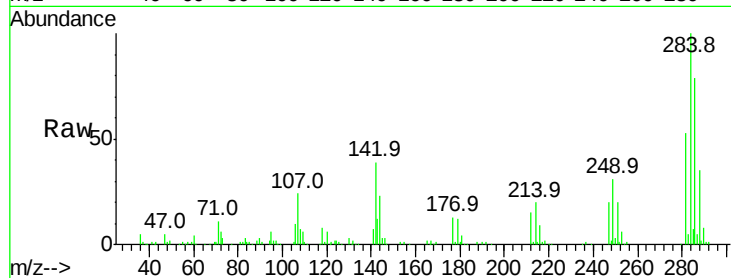
Tot Ion:284 Resp: 143287

Ion Ratio Lower Upper

284 100

142 38.8 22.8 34.2#

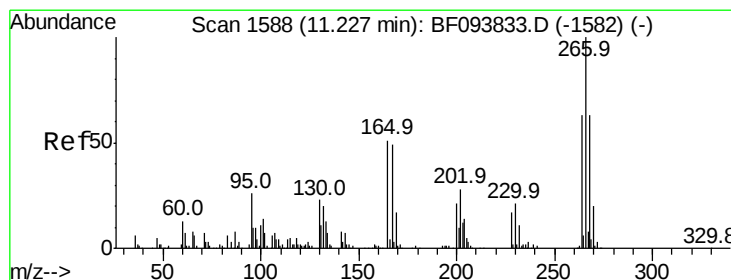
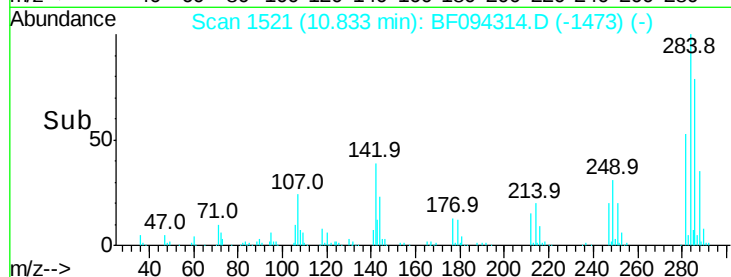
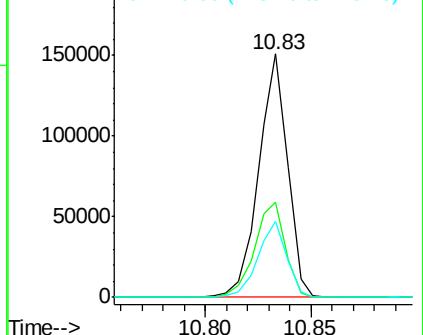
249 31.2 24.0 36.0



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



#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

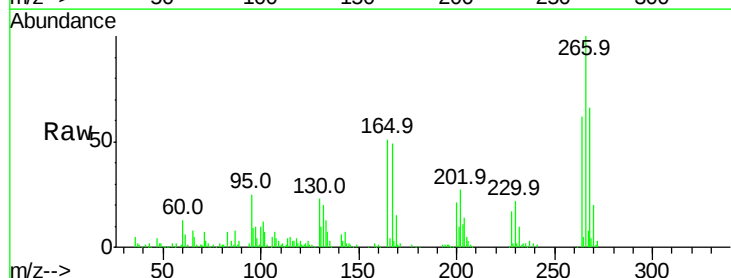
Tgt Ion:266 Resp: 124416

Ion Ratio Lower Upper

266 100

268 65.6 51.1 76.7

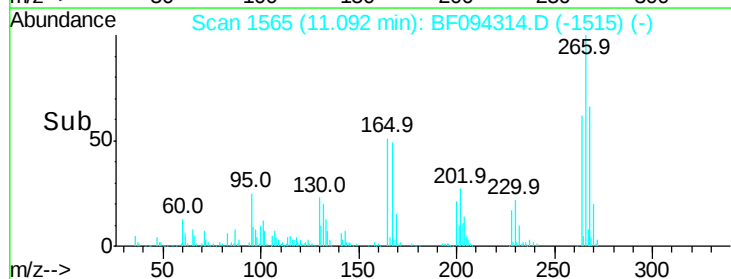
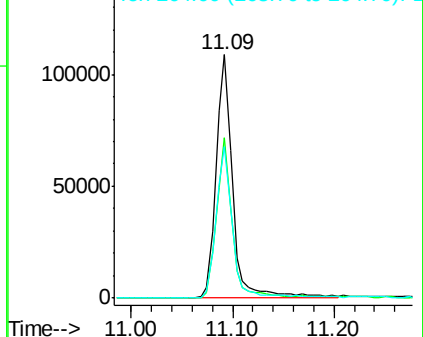
264 62.1 51.7 77.5

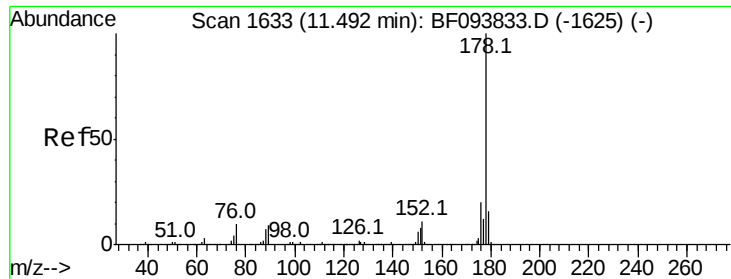


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

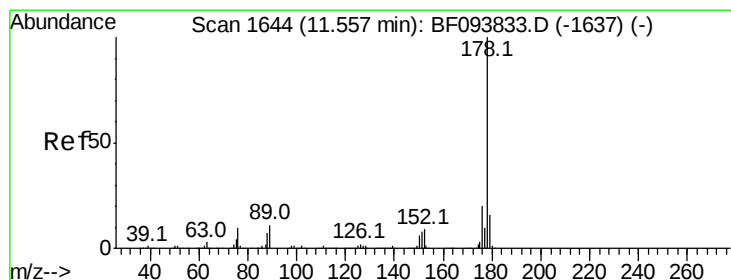
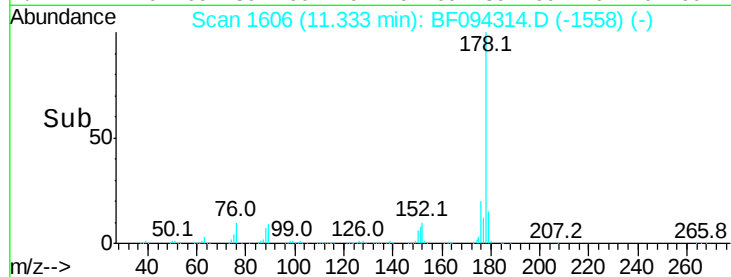
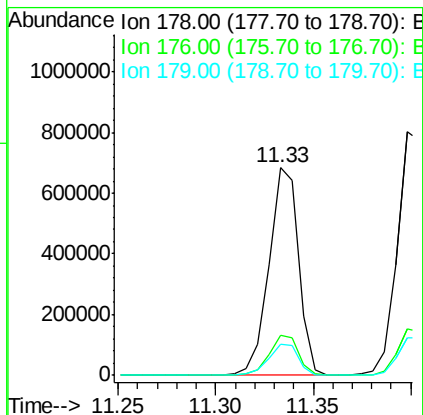
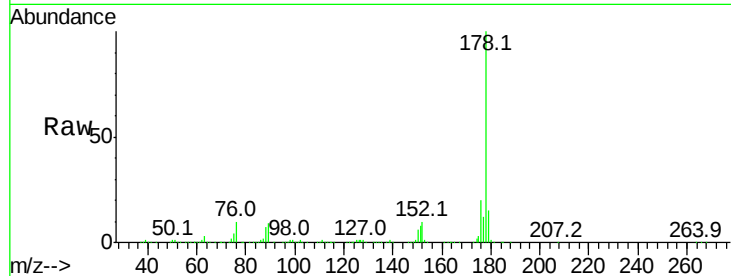




#70
Phenanthrene
Concen: 24.95 ng
RT: 11.33 min Scan# 1606
Delta R.T. -0.02 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

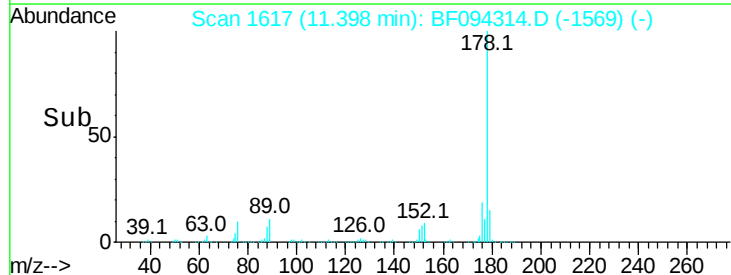
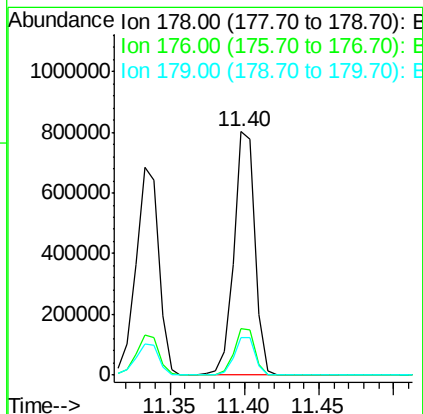
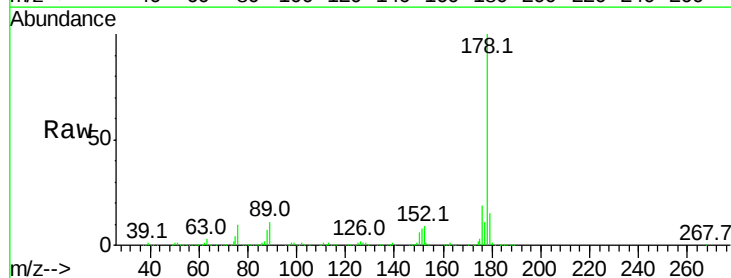
Instrument :
BNA_F
ClientSampleId :
X2813RE

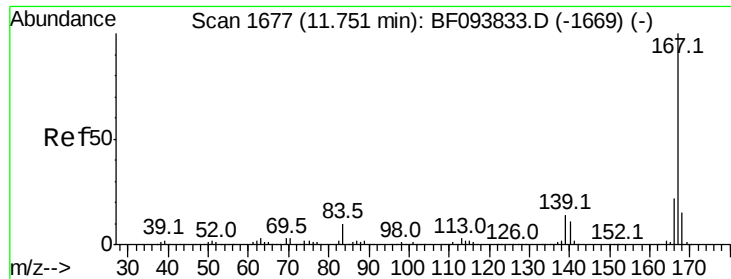
Tot Ion:178 Resp: 720431
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.1 12.6 19.0



#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

Tgt Ion:178 Resp: 798259
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.4 12.7 19.1

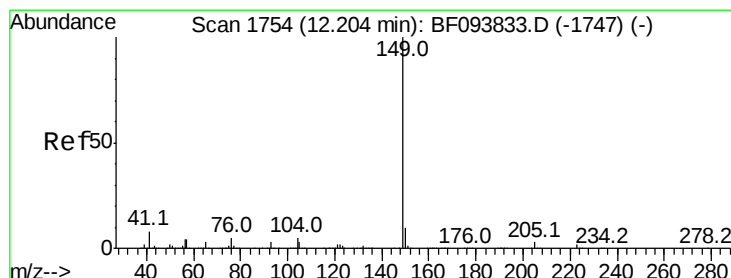
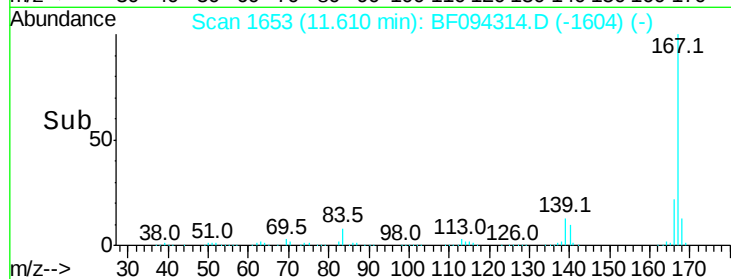
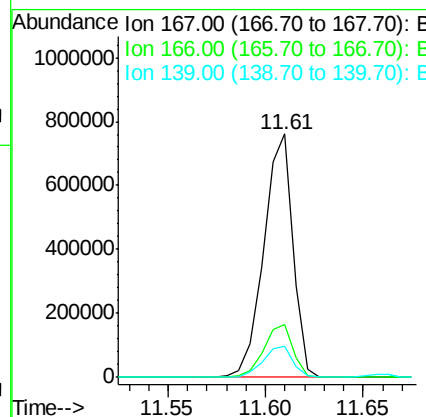
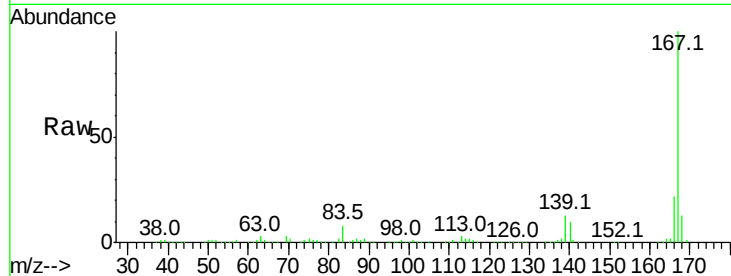




#72
 Carbazole
 Concen: 25.81 ng
 RT: 11.61 min Scan# 1653
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

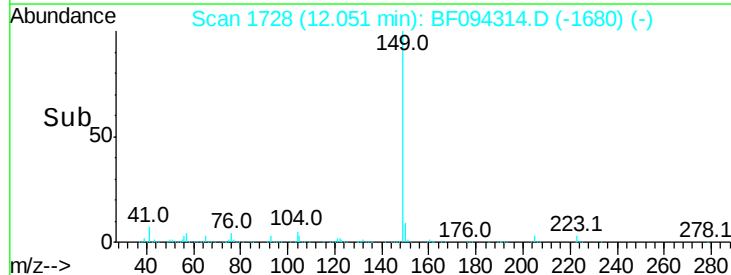
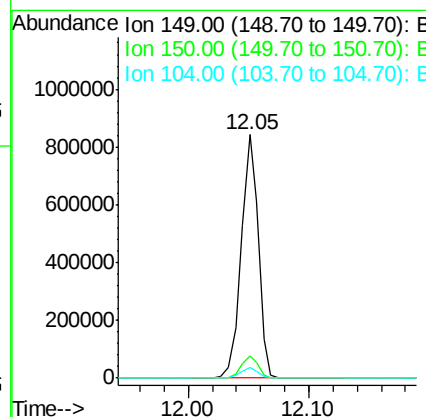
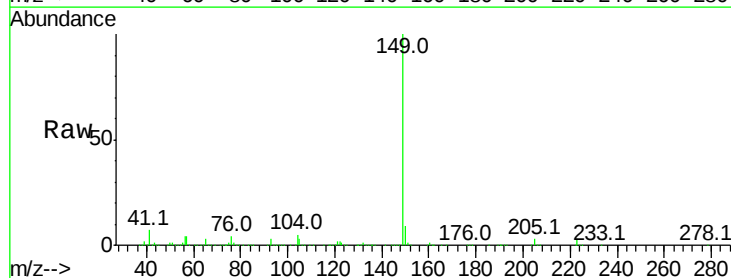
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

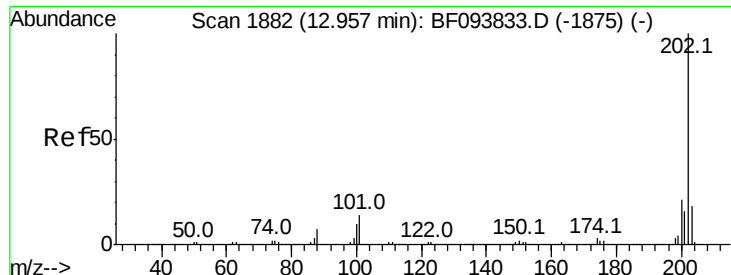
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	13.0	11.7	17.5



#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

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.6	4.0	6.0

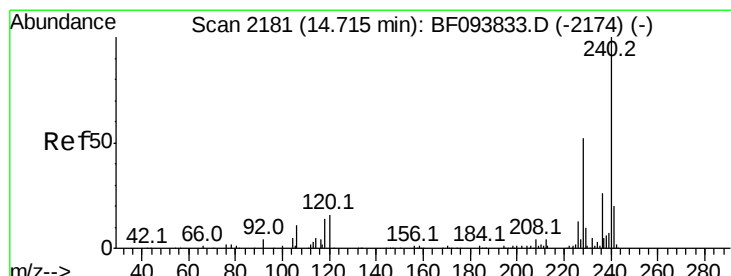
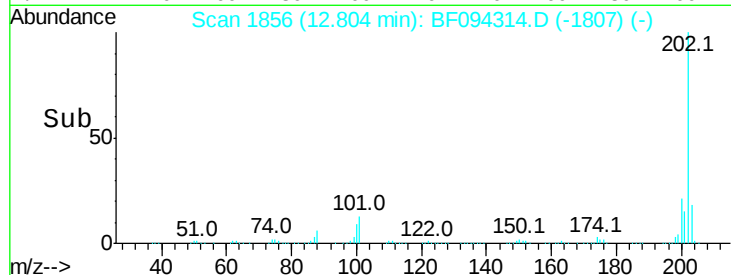
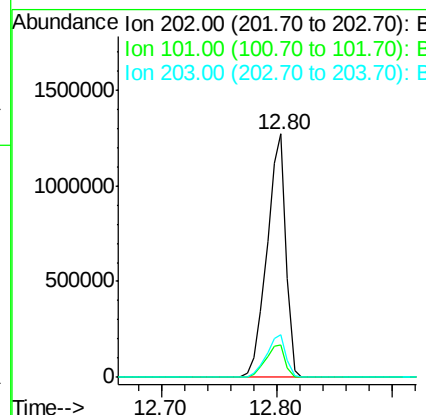
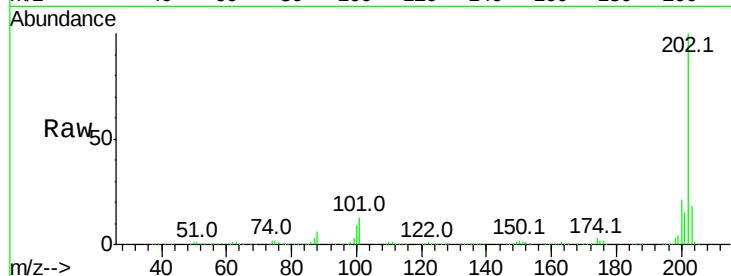




#74
 Fluoranthene
 Concen: 49.42 ng
 RT: 12.80 min Scan# 1856
 Delta R.T. -0.01 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

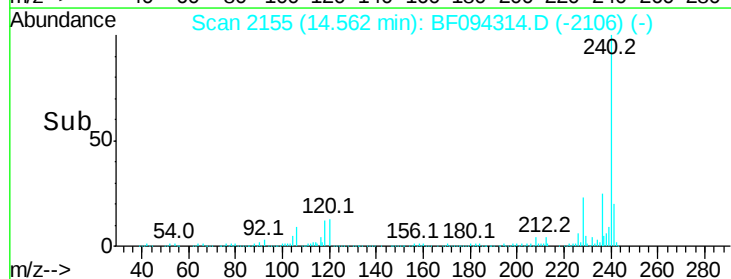
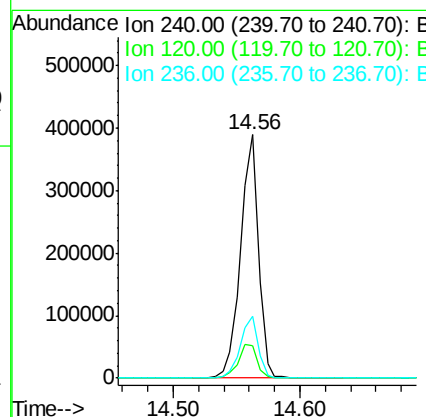
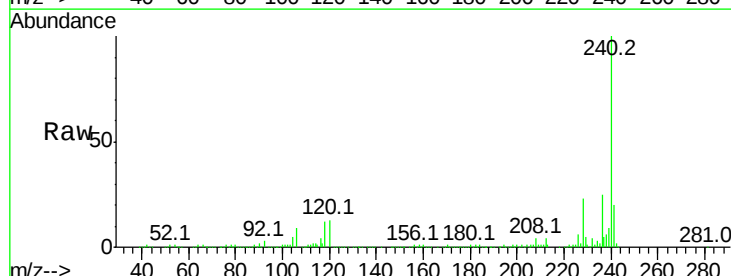
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

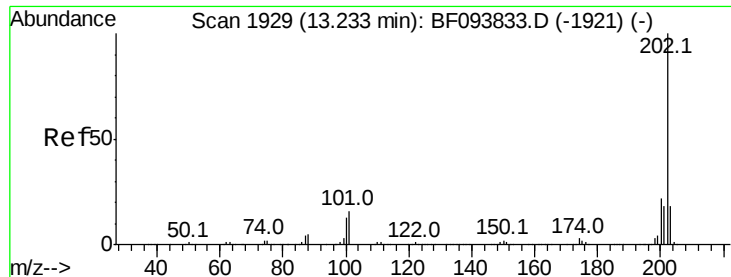
Tot Ion:202 Resp: 1461231
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 33.2
 203 17.6 0.0 38.1



#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

Tgt Ion:240 Resp: 376789
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 25.5 20.5 30.7

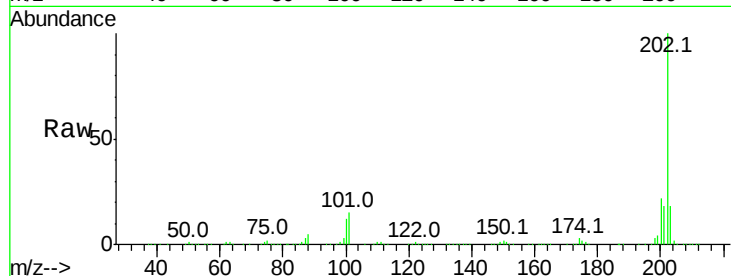




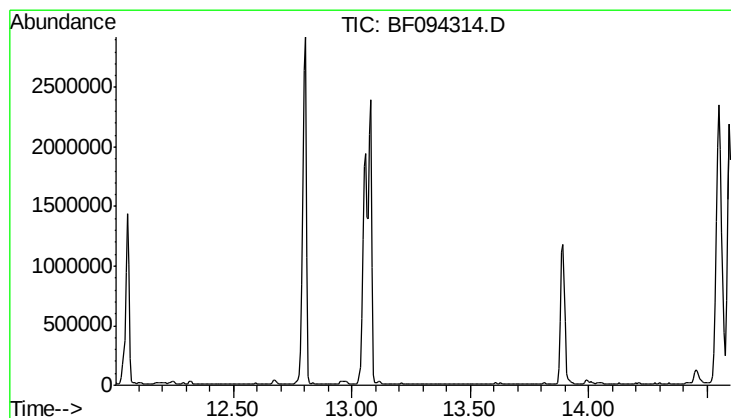
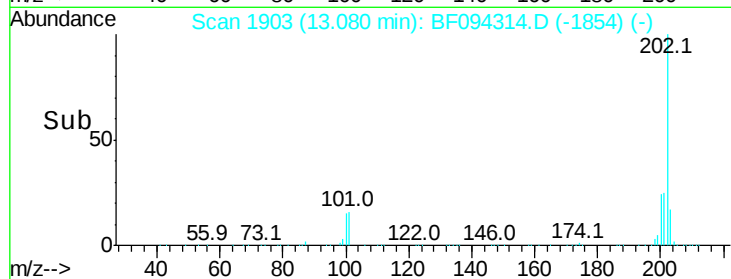
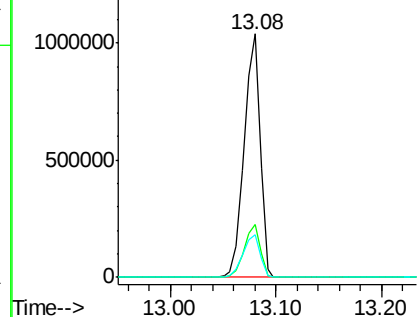
#77
Pvrene
Concen: 39.27 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Instrument :
BNA_F
ClientSampleId :
X2813RE

Tot Ion: 202 Resp: 1073858
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 17.7 14.4 21.6



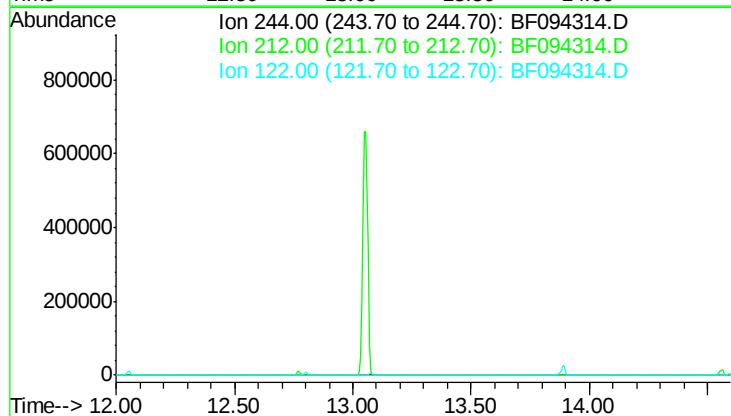
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

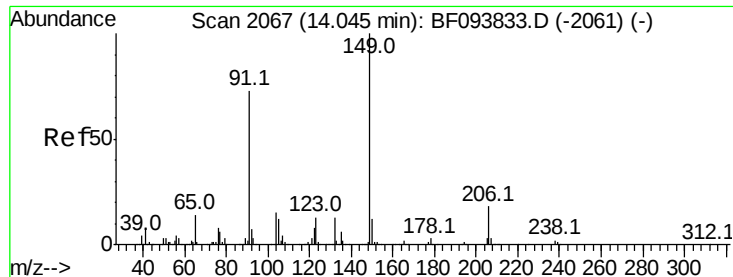


#78
Terphenyl-d14
Concen: 0.00 ng
Expected RT: 13.30 min

Lab File: BF094314.D
Acq: 10 Apr 2017 16:38

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.5
122 12.9





#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

Instrument :

BNA_F

ClientSampleId :

X2813RE

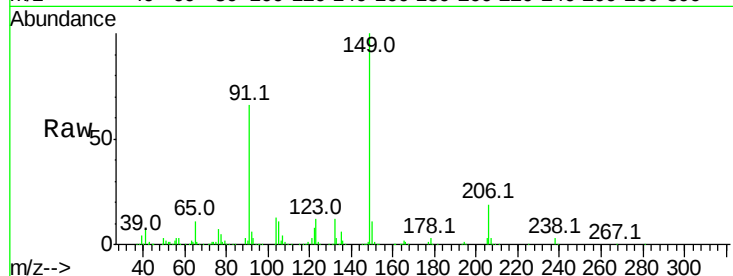
Tot Ion:149 Resp: 332593

Ion Ratio Lower Upper

149 100

91 65.8 45.0 67.4

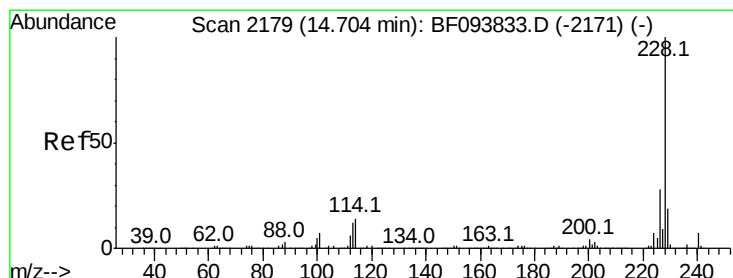
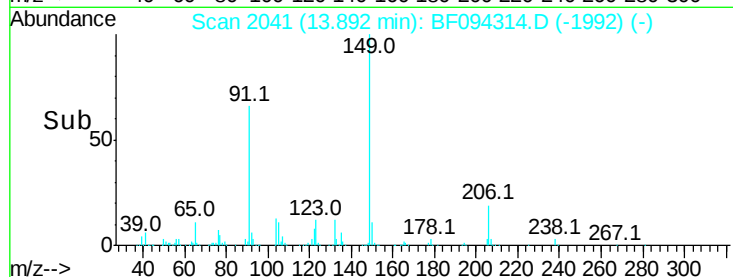
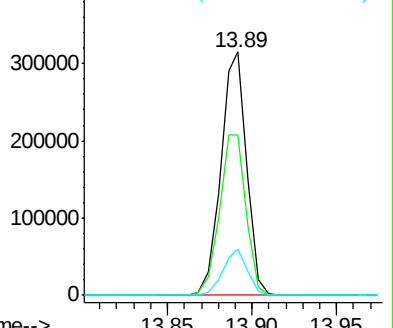
206 19.2 17.0 25.6



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

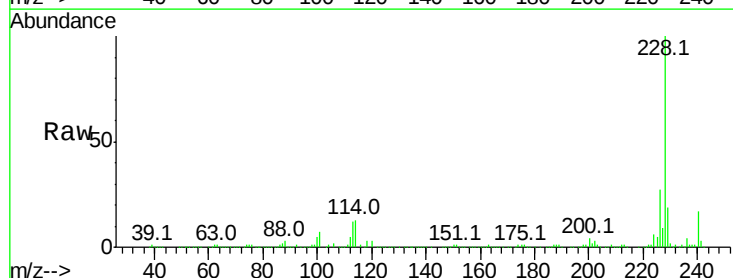
Tgt Ion:228 Resp: 1010357

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

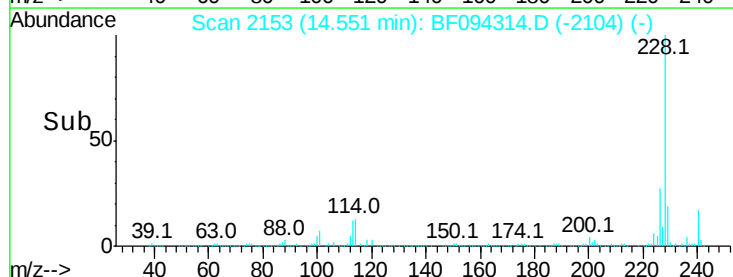
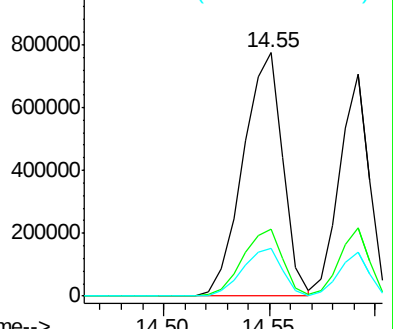
229 19.4 16.3 24.5

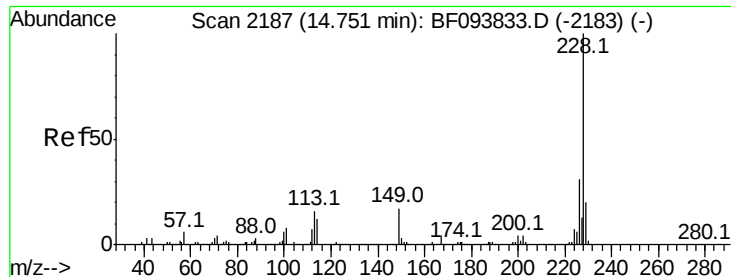


Abundance Ion 228.00 (227.70 to 228.70): E

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

Instrument :

BNA_F

ClientSampleId :

X2813RE

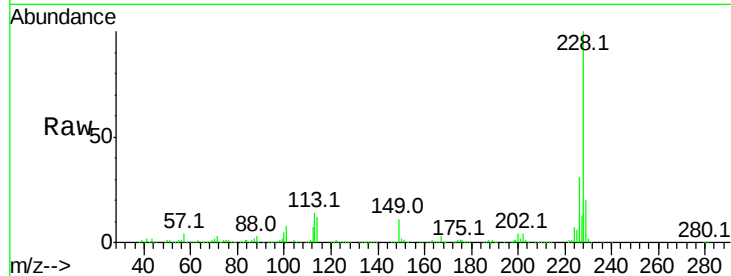
Tot Ion:228 Resp: 692410

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

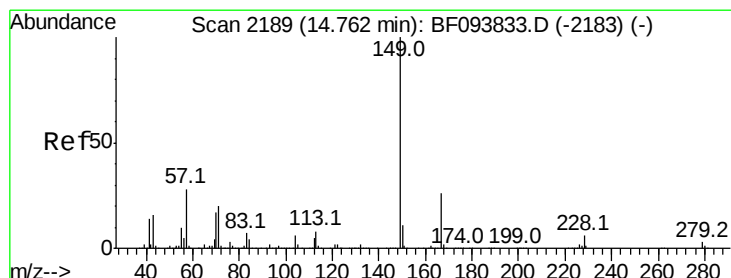
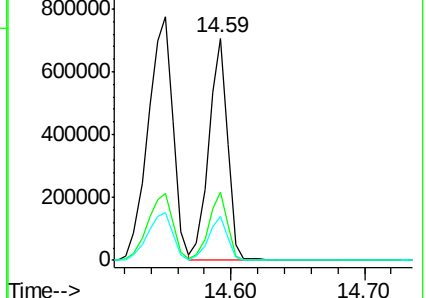
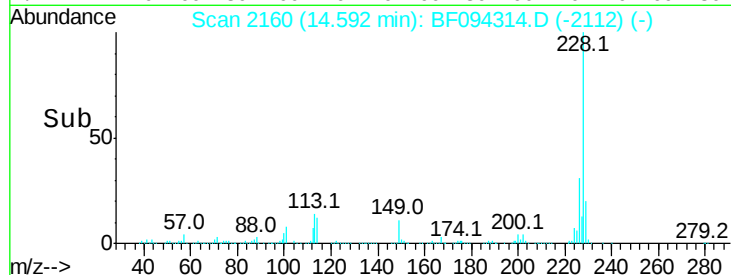
229 19.6 15.8 23.6



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

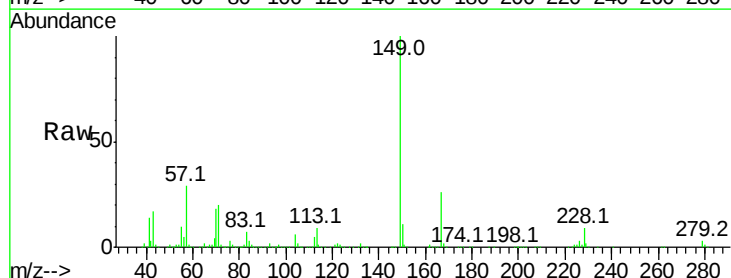
Tgt Ion:149 Resp: 548811

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

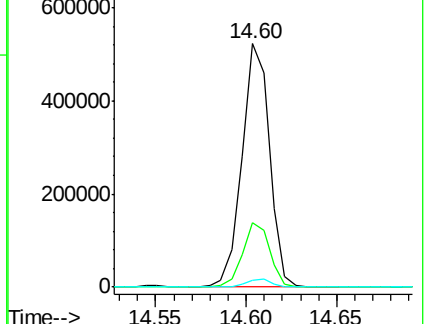
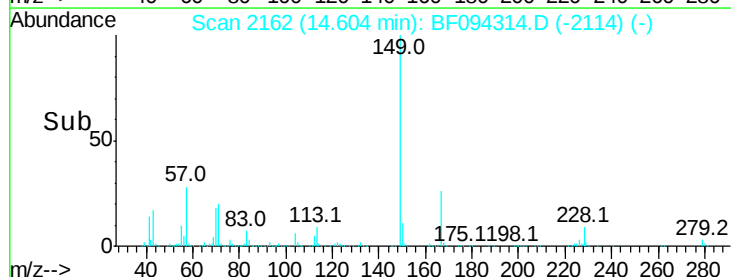
279 2.6 1.9 2.9

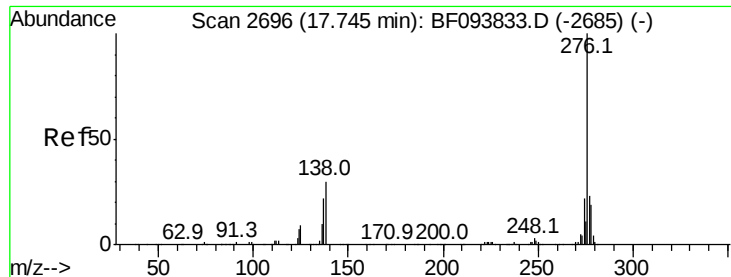


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

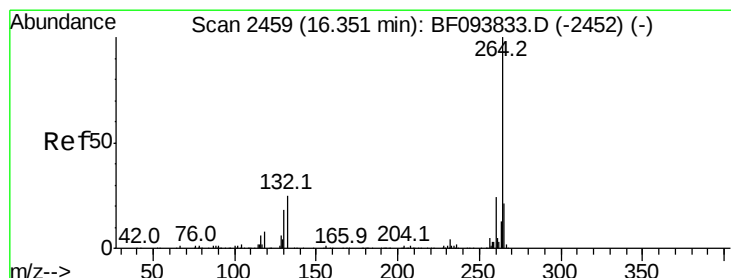
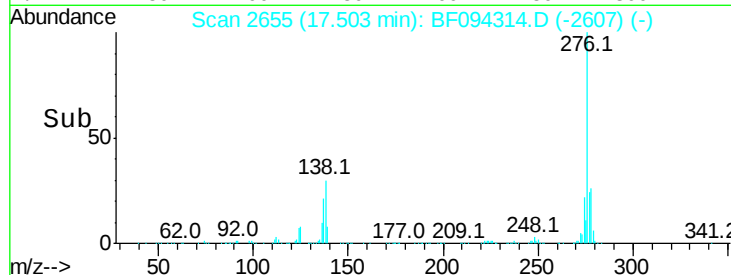
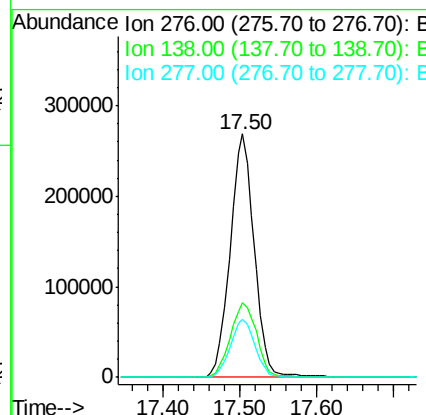
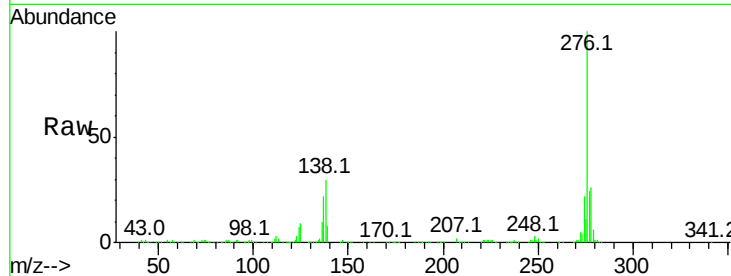




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 33.17 ng
 RT: 17.50 min Scan# 2655
 Delta R.T. -0.02 min
 Lab File: BF094314.D
 Acq: 10 Apr 2017 16:38

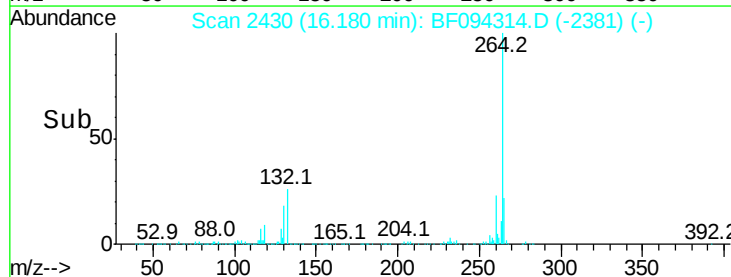
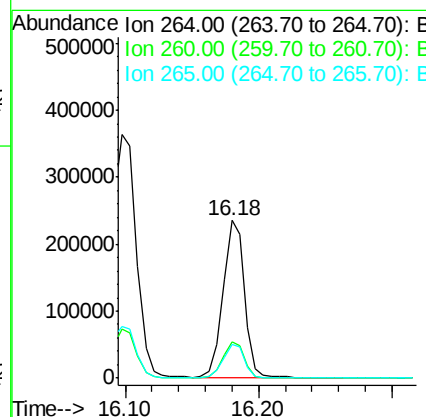
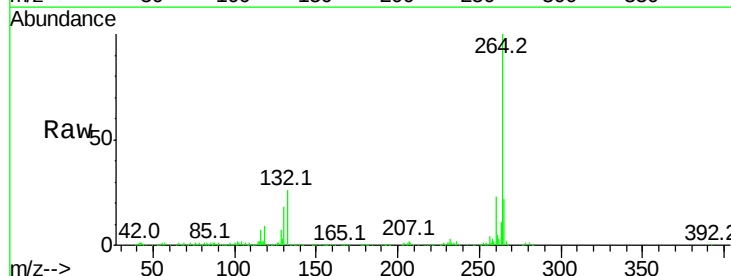
Instrument :
 BNA_F
 ClientSampleId :
 X2813RE

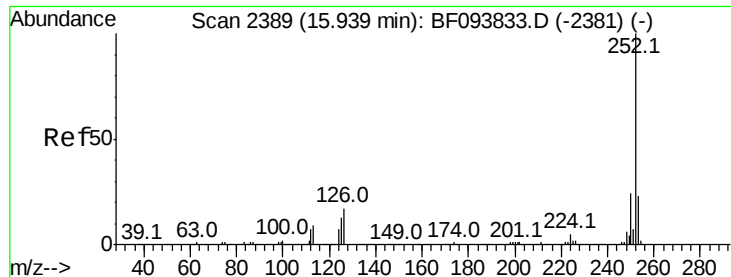
Tot Ion:276 Resp: 585755
 Ion Ratio Lower Upper
 276 100
 138 33.8 27.8 41.6
 277 24.8 20.2 30.4



#86
 Perylene-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

Tgt Ion:264 Resp: 267194
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.6 17.2 25.8





#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

Instrument :

BNA_F

ClientSampleId :

X2813RE

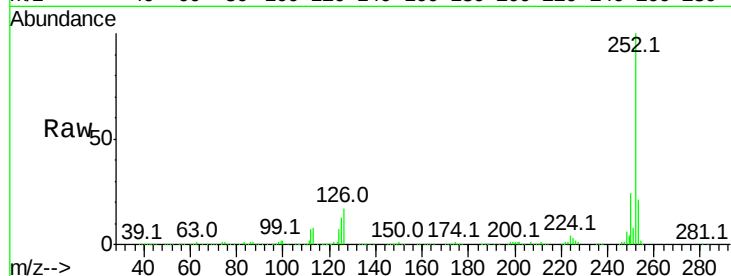
Tot Ion:252 Resp: 577995

Ion Ratio Lower Upper

252 100

253 21.4 18.1 27.1

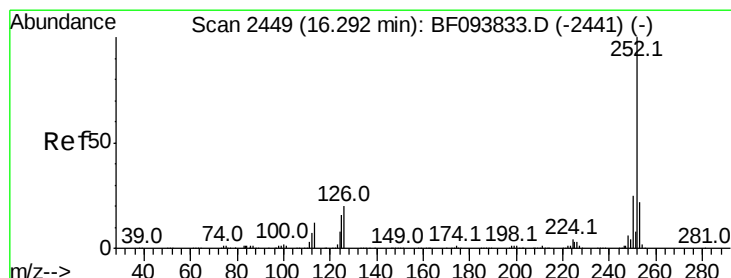
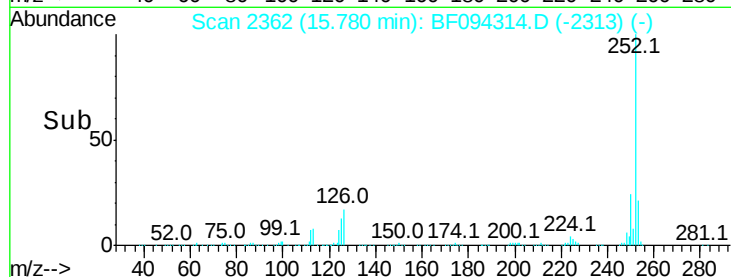
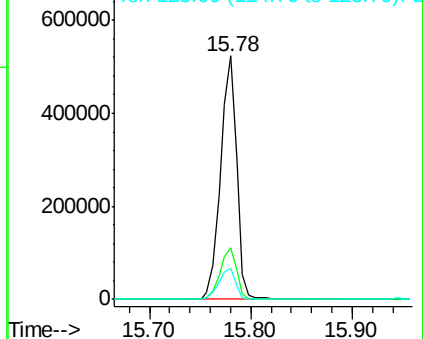
125 13.0 9.8 14.8



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



#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

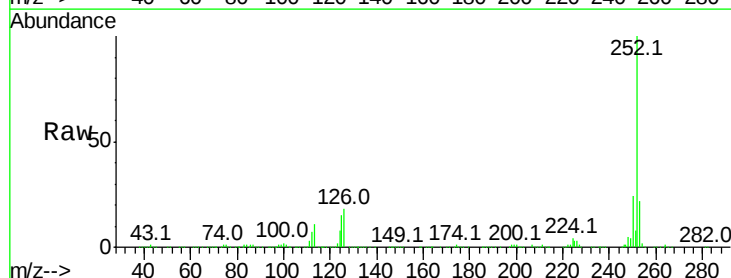
Tgt Ion:252 Resp: 494631

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

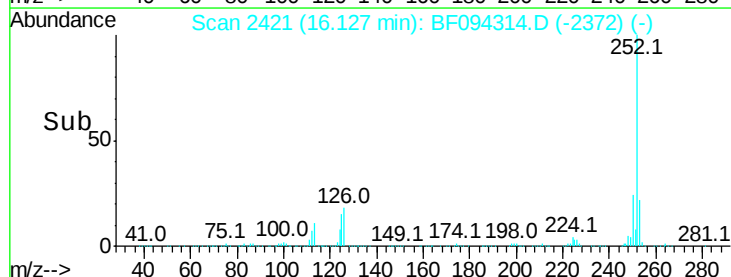
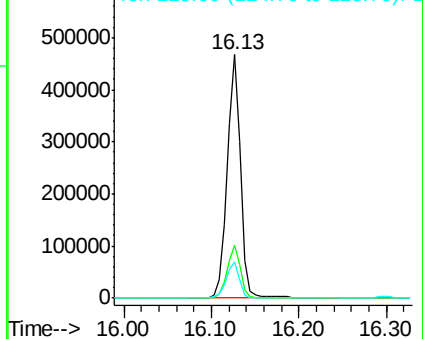
125 14.7 11.0 16.4

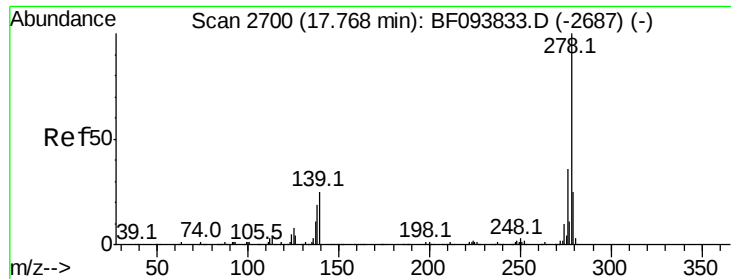


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 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 :

X2813RE

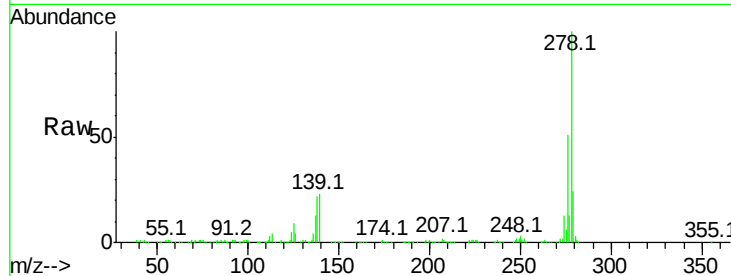
Tot Ion:278 Resp: 375678

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

