

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF094980.D
 Acq On : 8 May 2017 14:56
 Operator : SJ/MA
 Sample : I2872-15DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 08 16:07:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	109171	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	385045	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	179520	20.00	ng	-0.02
63) Phenanthrene-d10	14.96	188	318810	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	289918	20.00	ng	-0.01
86) Perylene-d12	20.31	264	245825	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	148373	22.66	ng	0.00
7) Phenol-d6	7.25	99	194483	24.75	ng	-0.03
23) Nitrobenzene-d5	8.61	82	98728	16.17	ng	-0.03
41) 2,4,6-Tribromophenol	13.86	330	36267	24.67	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	224655	18.01	ng	-0.02
78) Terphenyl-d14	17.29	244	200601	15.24	ng	-0.02

Target Compounds						Qvalue
6) Aniline	7.34	93	279141	28.14	ng	# 55
8) 2-Chlorophenol	7.40	128	219212	29.41	ng	91
10) Phenol	7.27	94	289107	34.92	ng	91
11) bis(2-Chloroethyl)ether	7.34	93	279141	40.84	ng	96
12) 1,3-Dichlorobenzene	7.62	146	375430	44.41	ng	99
13) 1,4-Dichlorobenzene	7.74	146	320147	37.34	ng	97
14) 1,2-Dichlorobenzene	7.97	146	134334	16.79	ng	97
19) n-Nitroso-di-n-propylamine	8.61	70	12454	2.34	ng	# 72
24) Nitrobenzene	8.64	77	263842	41.22	ng	94
29) 2,4-Dichlorophenol	9.57	162	235673	44.70	ng	98
35) Caprolactam	10.74	113	4987	3.15	ng	# 16
36) 4-Chloro-3-methylphenol	10.74	107	205281	36.42	ng	91
37) 2-Methylnaphthalene	10.74	142	164830	12.98	ng	# 24
42) 2,4,6-Trichlorophenol	11.47	196	120949	32.81	ng	99
43) 2,4,5-Trichlorophenol	11.47	196	121317	30.62	ng	93
46) 2-Chloronaphthalene	11.67	162	395961	32.44	ng	94
48) Acenaphthylene	12.33	152	511275	26.75	ng	98
49) Dimethylphthalate	12.20	163	246556	16.73	ng	97
51) Acenaphthene	12.61	154	182644	16.00	ng	98
55) 4-Nitrophenol	12.97	139	62812	32.41	ng	# 76
57) Fluorene	13.46	166	196215	14.28	ng	99
59) Diethylphthalate	13.35	149	525075	37.17	ng	100
67) Hexachlorobenzene	14.35	284	170182	49.30	ng	# 89
70) Phenanthrene	15.00	178	286429	15.64	ng	97
71) Anthracene	15.00	178	286429	15.31	ng	97
73) Di-n-butylphthalate	15.94	149	979959	46.16	ng	99
74) Fluoranthene	16.74	202	243028	12.93	ng	99
77) Pyrene	17.05	202	282232	13.02	ng	99
79) Butylbenzylphthalate	17.95	149	273846	27.15	ng	92
80) Benzo(a)anthracene	18.62	228	313542	18.58	ng	98
82) Chrysene	18.68	228	378187	23.18	ng	99
83) Bis(2-ethylhexyl)phthalate	18.69	149	332495	23.14	ng	99
84) Di-n-octyl phthalate	19.47	149	332040	14.09	ng	96
85) Indeno(1,2,3-cd)pyrene	21.60	276	249126	18.80	ng	98

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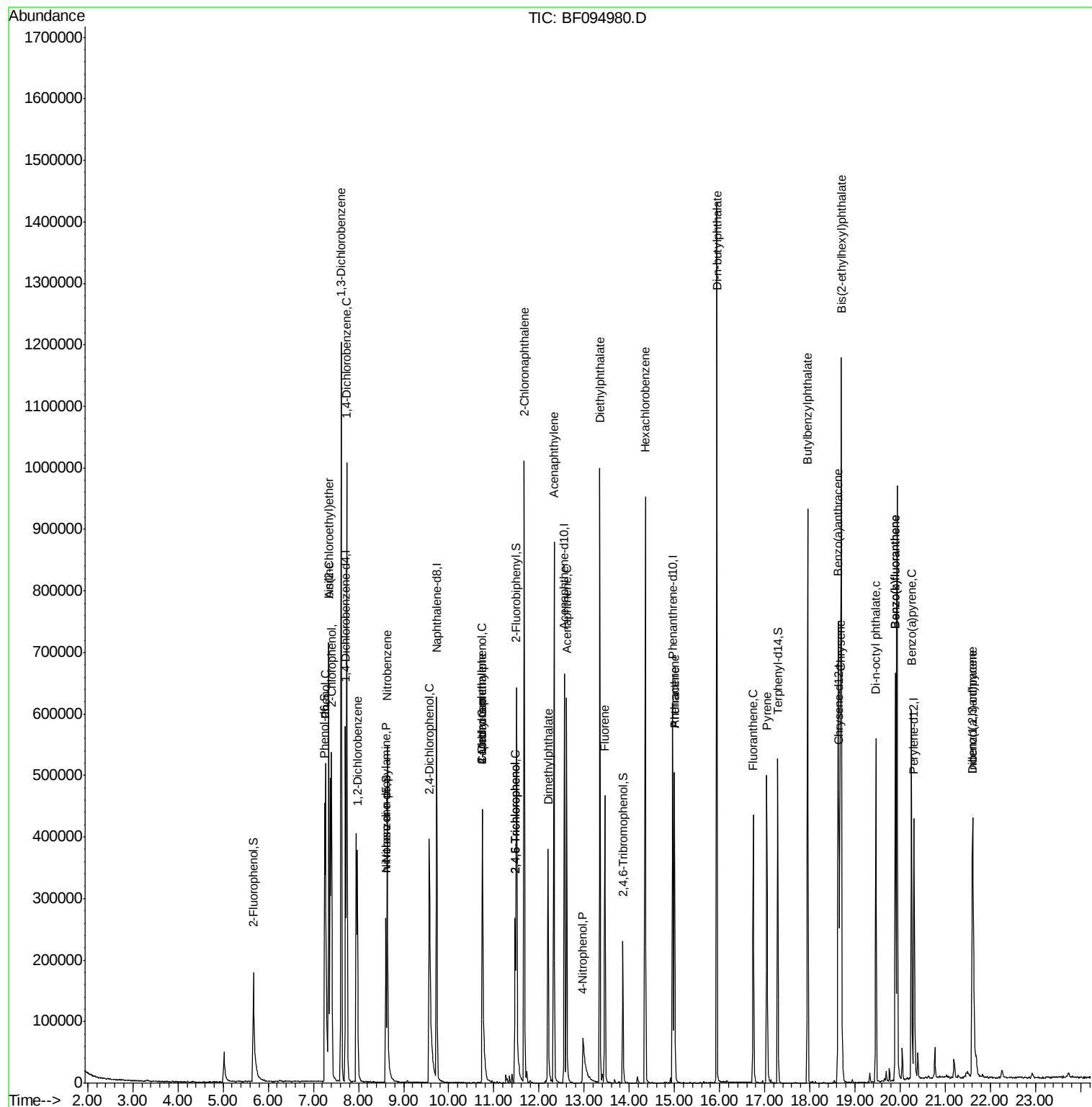
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	19.89	252	294949	19.42	ng	98
88) Benzo(k)fluoranthene	19.89	252	294949	20.13	ng	96
89) Benzo(a)pyrene	20.25	252	322303	22.99	ng	99
90) Dibenzo(a,h)anthracene	21.61	278	262899	22.71	ng	98

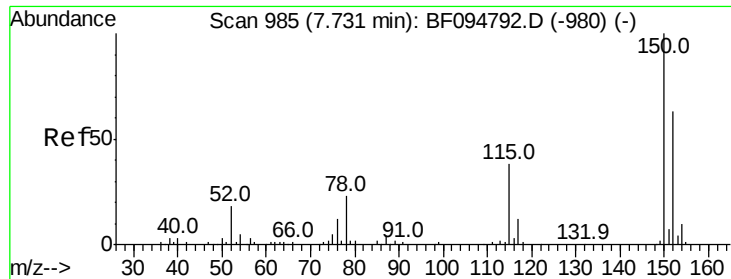
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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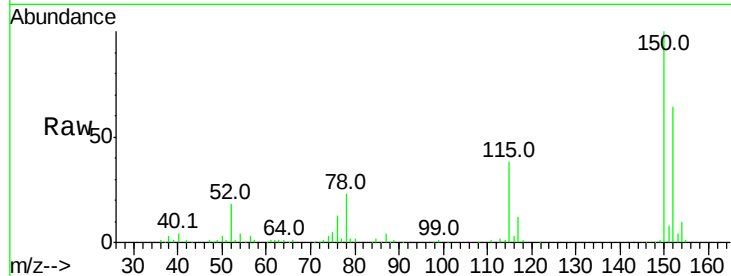


#1

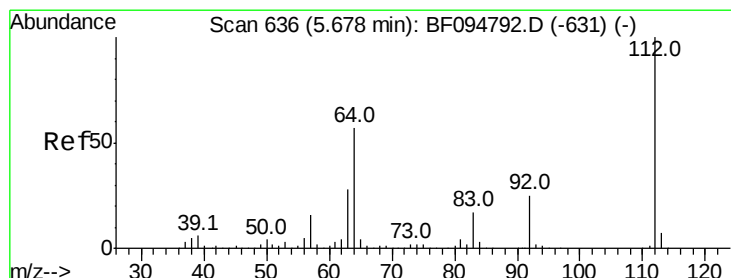
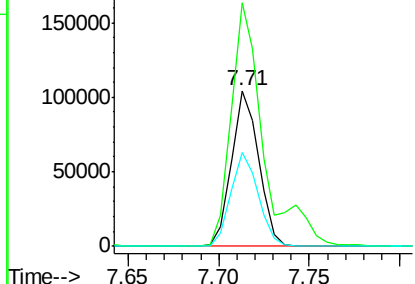
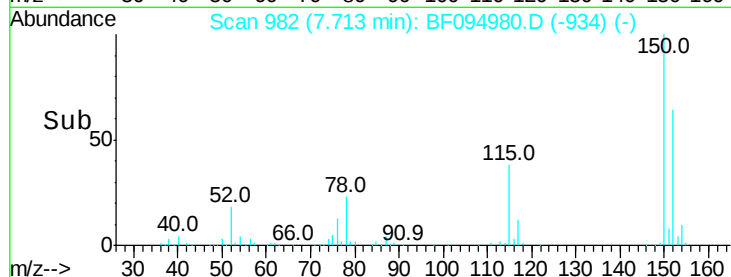
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109171
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 60.1 52.2 78.2



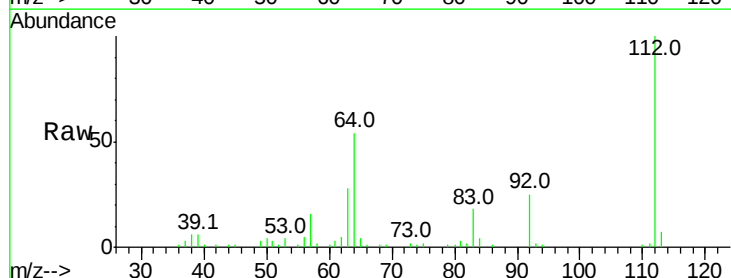
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



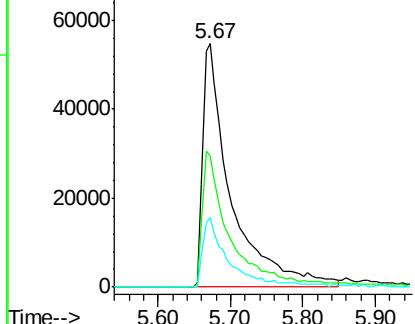
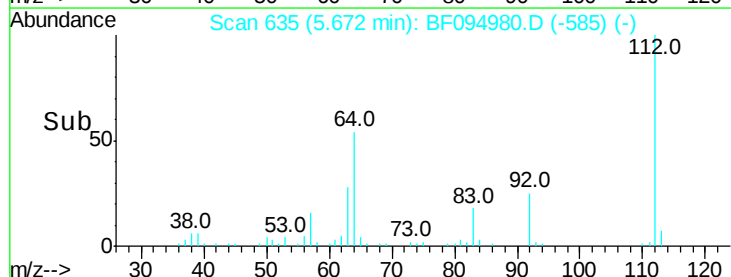
#5

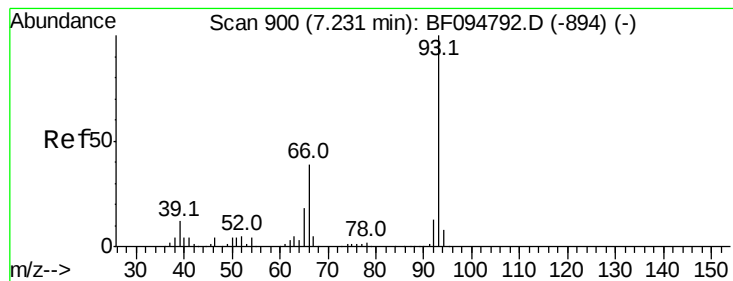
2-Fluorophenol
Concen: 22.66 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Tgt Ion:112 Resp: 148373
Ion Ratio Lower Upper
112 100
64 54.0 46.0 69.0
63 28.3 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





#6

Aniline

Concen: 28.14 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.11 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

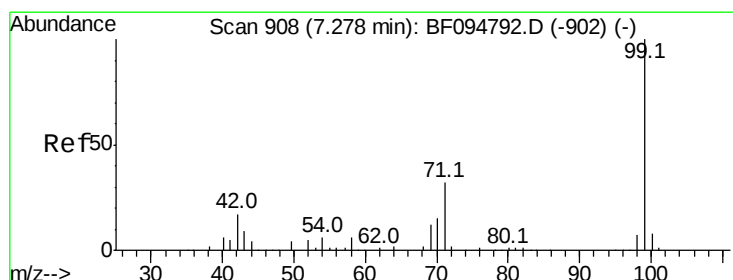
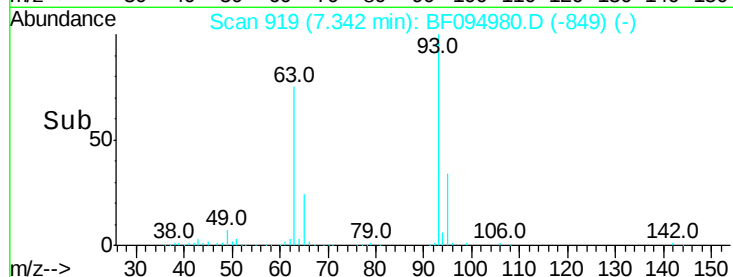
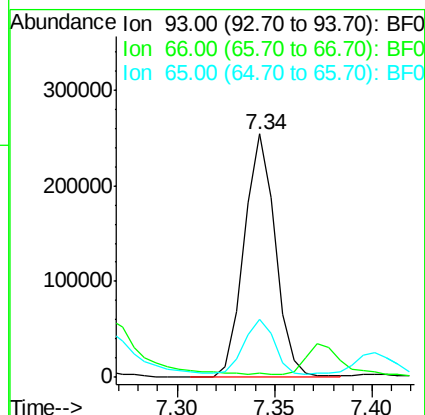
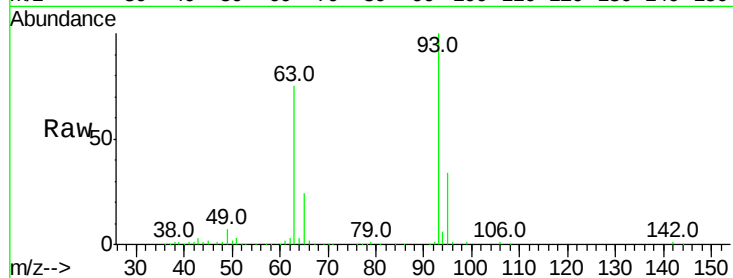
Tot Ion: 93 Resp: 279141

Ion Ratio Lower Upper

93 100

66 1.7 32.9 49.3#

65 24.1 16.0 24.0#



#7

Phenol-d6

Concen: 24.75 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

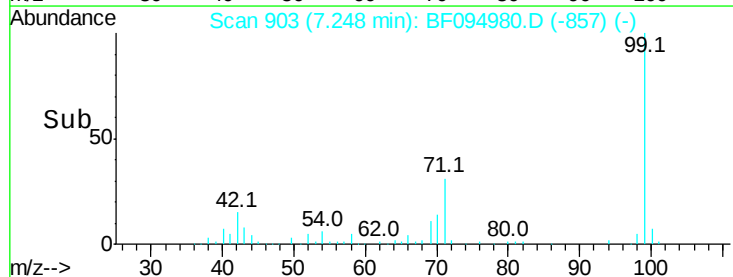
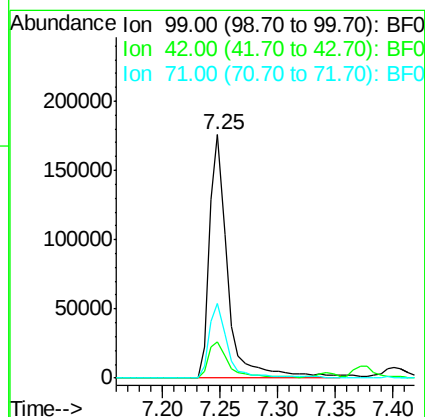
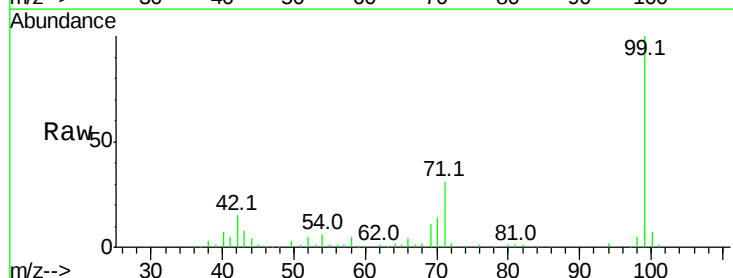
Tgt Ion: 99 Resp: 194483

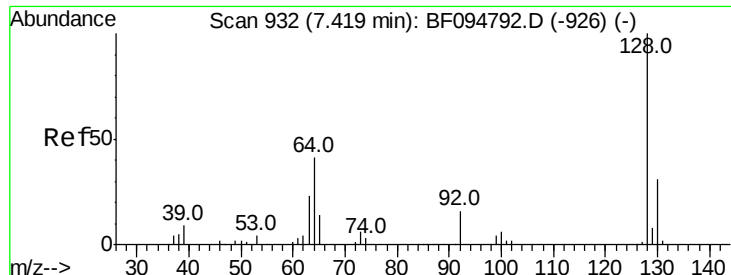
Ion Ratio Lower Upper

99 100

42 15.1 13.5 20.3

71 30.9 24.5 36.7





#8

2-Chlorophenol

Concen: 29.41 ng

RT: 7.40 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

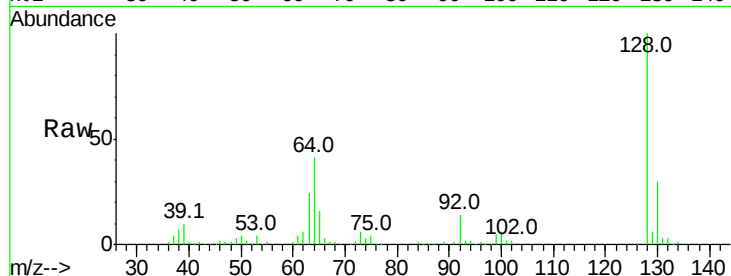
Tot Ion:128 Resp: 219212

Ion Ratio Lower Upper

128 100

130 30.2 12.9 52.9

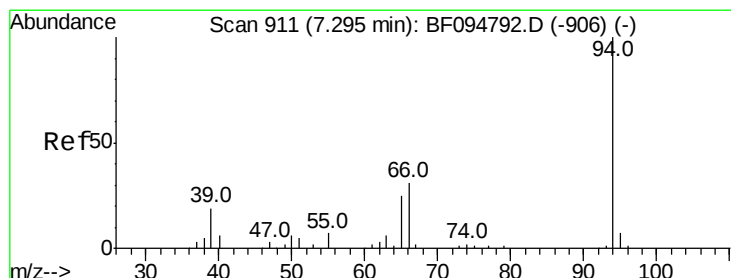
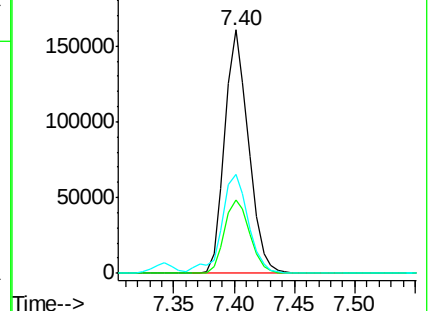
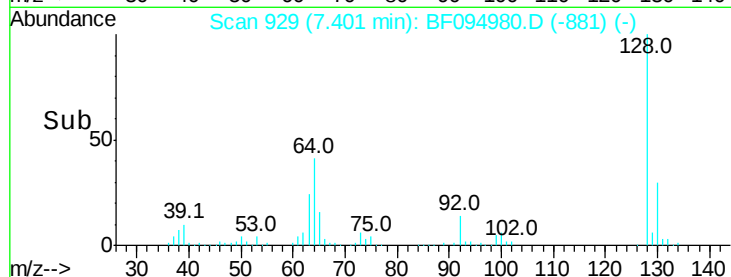
64 40.9 28.4 68.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#10

Phenol

Concen: 34.92 ng

RT: 7.27 min Scan# 906

Delta R.T. -0.03 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

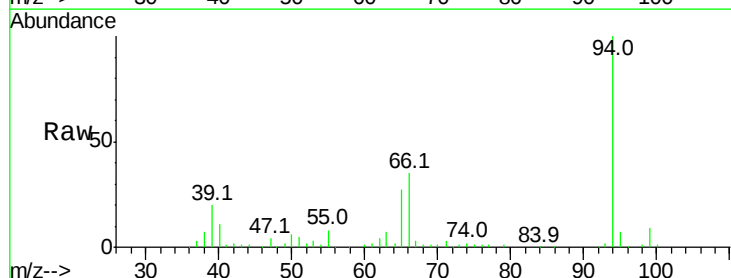
Tgt Ion: 94 Resp: 289107

Ion Ratio Lower Upper

94 100

65 27.5 9.9 49.9

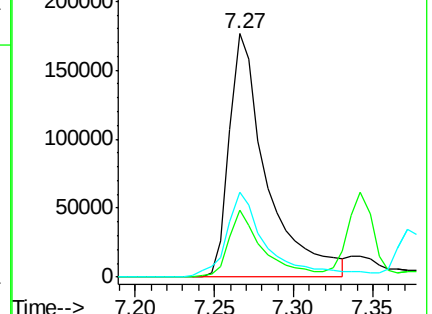
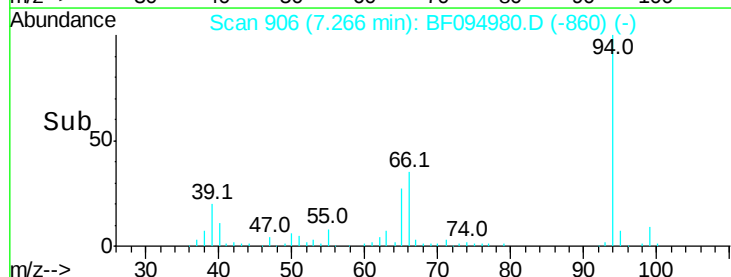
66 34.8 23.1 63.1

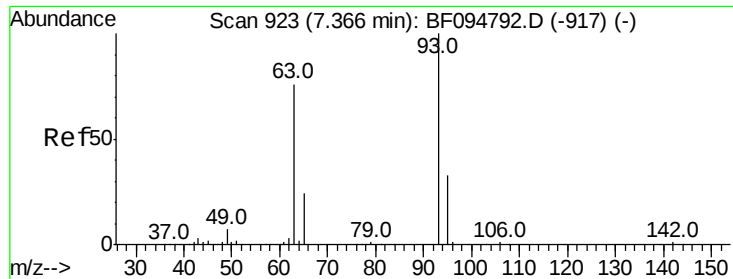


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 40.84 ng

RT: 7.34 min Scan# 919

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

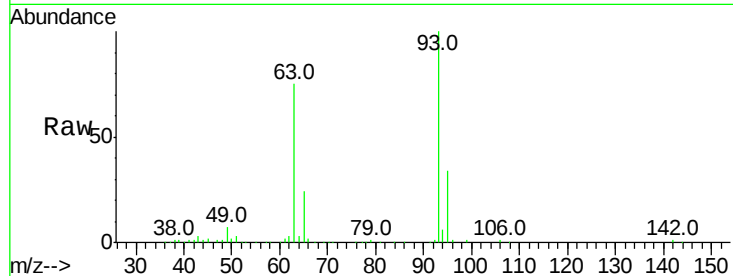
Tot Ion: 93 Resp: 279141

Ion Ratio Lower Upper

93 100

63 75.0 59.2 99.2

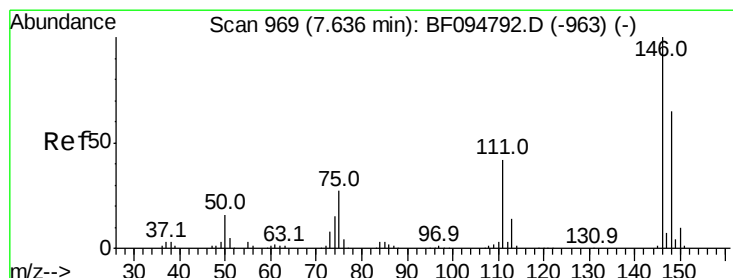
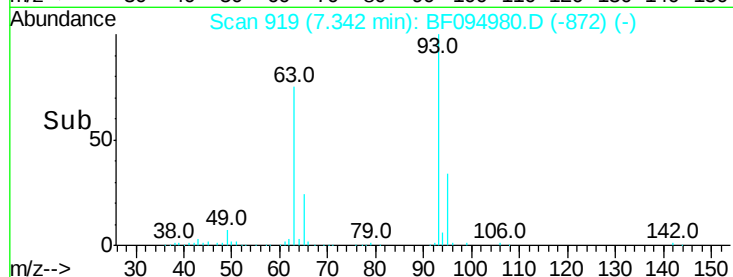
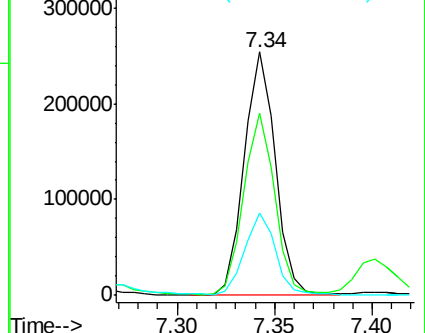
95 34.0 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 44.41 ng

RT: 7.62 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

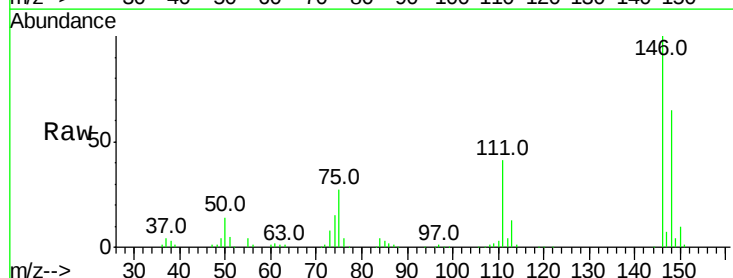
Tgt Ion: 146 Resp: 375430

Ion Ratio Lower Upper

146 100

148 64.8 51.8 77.6

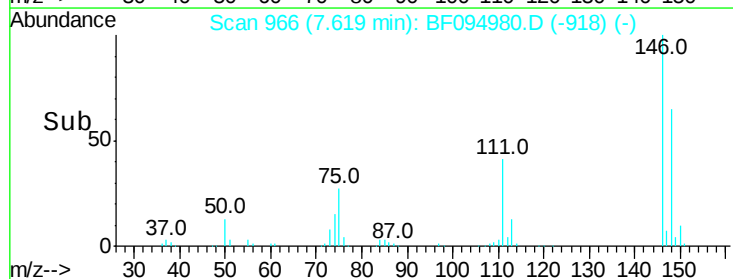
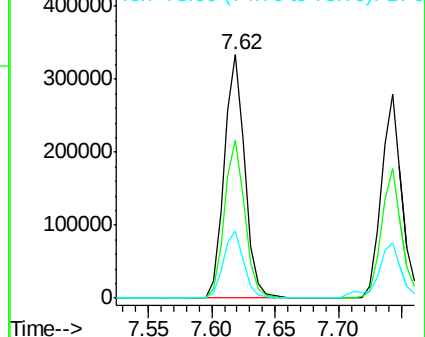
75 27.3 23.1 34.7

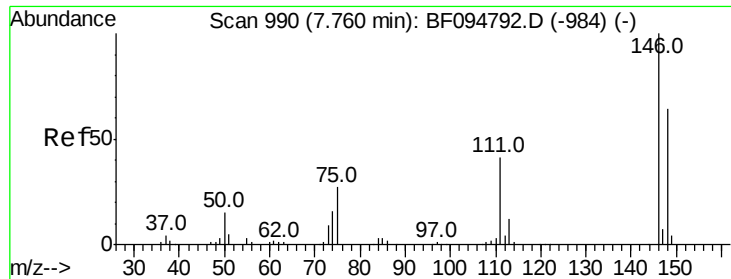


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

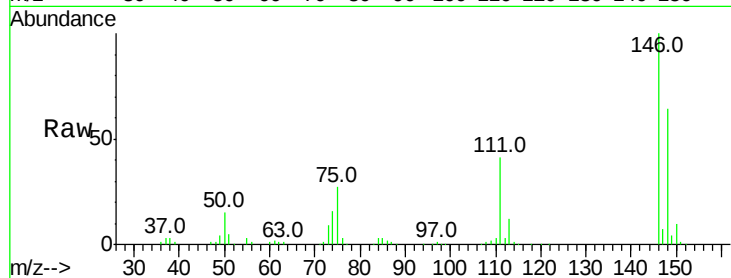




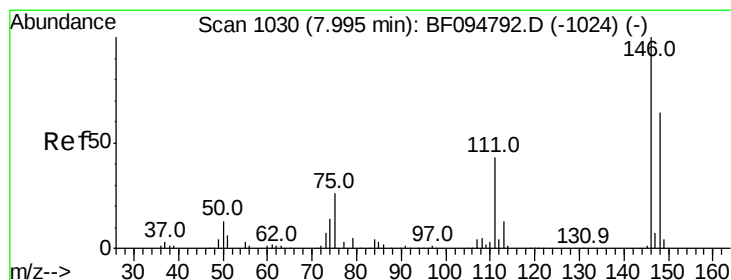
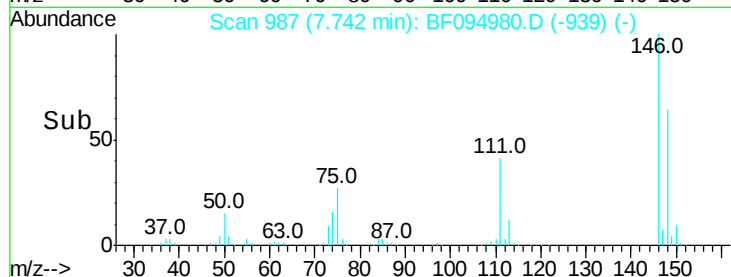
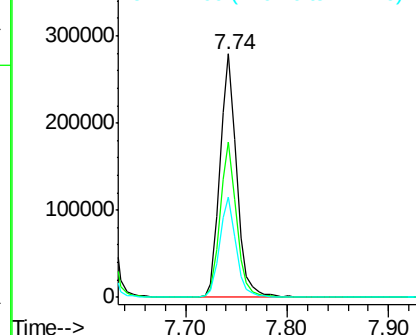
#13
 1,4-Dichlorobenzene
 Concen: 37.34 ng
 RT: 7.74 min Scan# 987
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
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 ClientSampleId :

Tot Ion:146 Resp: 320147
 Ion Ratio Lower Upper
 146 100
 148 63.6 52.2 78.2
 111 41.1 30.3 45.5

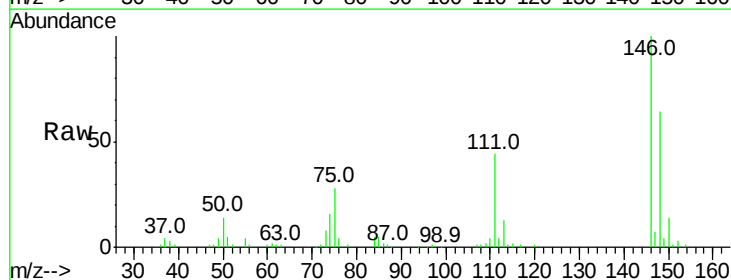


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

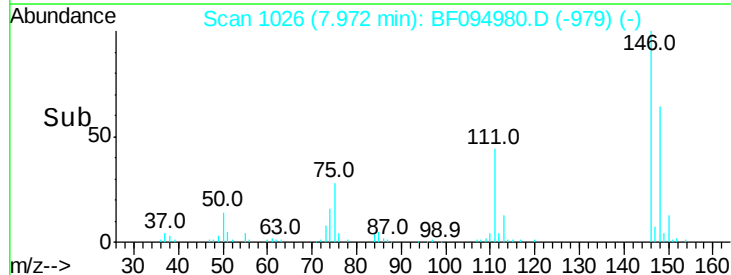
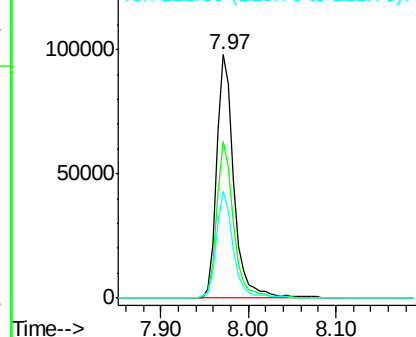


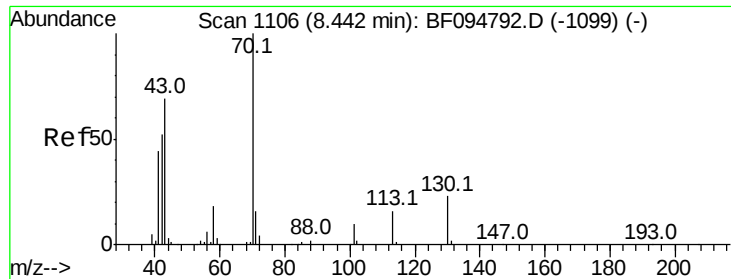
#14
 1,2-Dichlorobenzene
 Concen: 16.79 ng
 RT: 7.97 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:146 Resp: 134334
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.4 75.6
 111 43.9 38.2 57.4



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

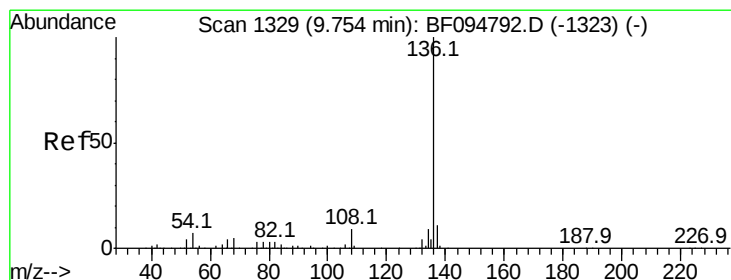
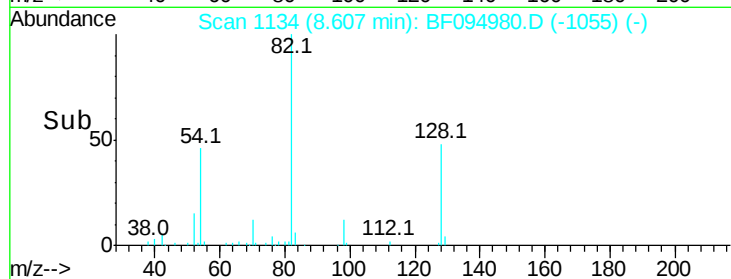
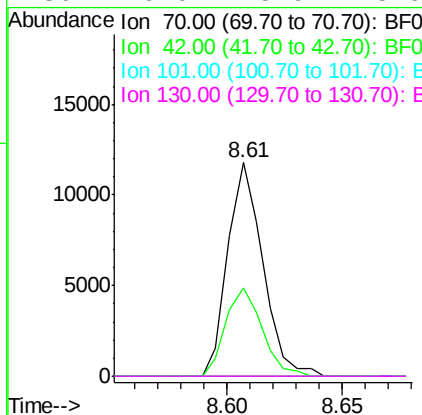
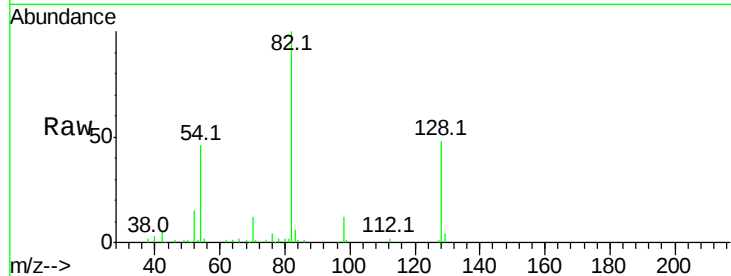




#19
n-Nitroso-di-n-propylamine
Concen: 2.34 ng
RT: 8.61 min Scan# 1134
Delta R.T. 0.16 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

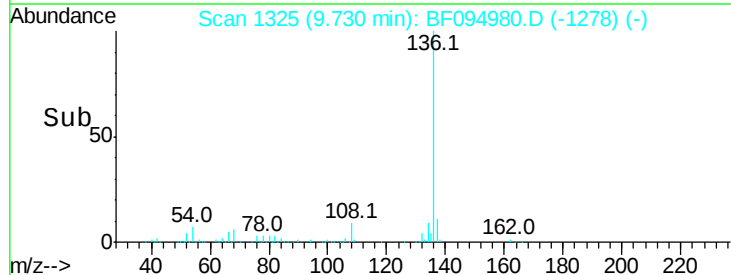
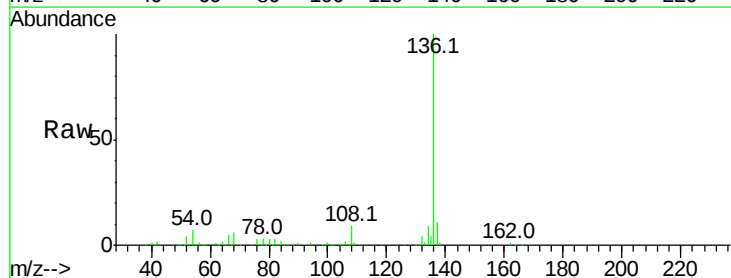
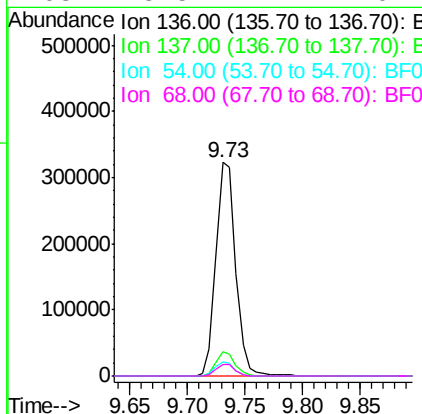
Instrument :
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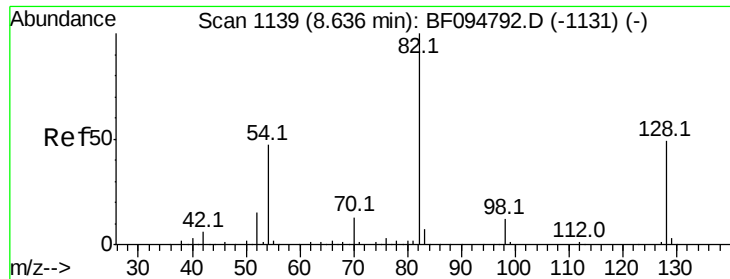
Tot Ion: 70 Resp: 12454
Ion Ratio Lower Upper
70 100
42 41.3 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Tgt Ion: 136 Resp: 385045
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 6.9 4.9 7.3
68 5.5 4.1 6.1

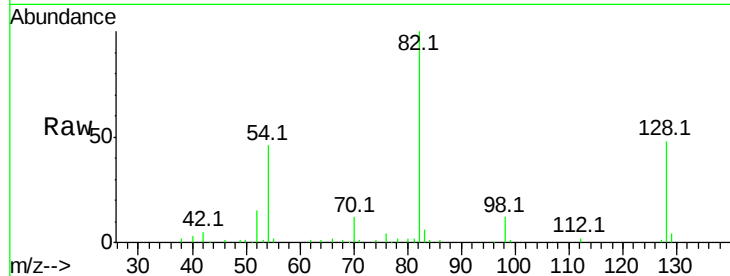




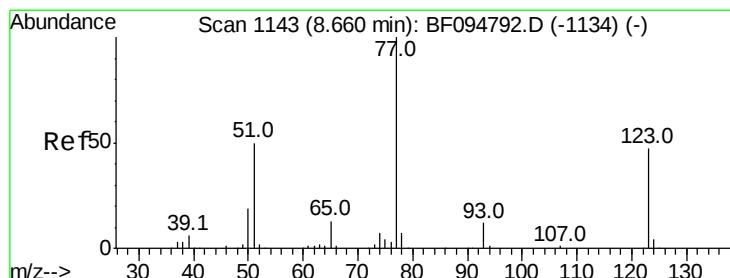
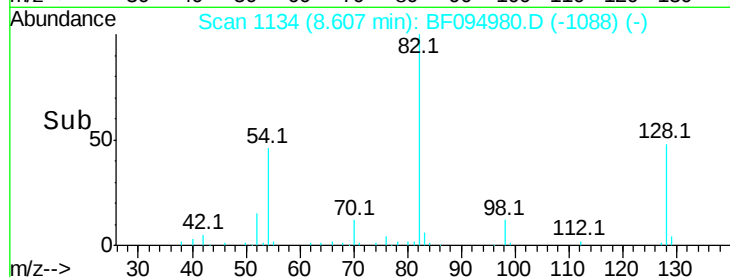
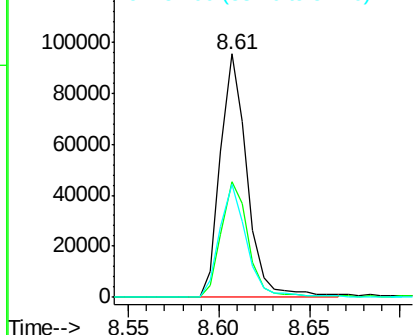
#23
Nitrobenzene-d5
Concen: 16.17 ng
RT: 8.61 min Scan# 1134
Delta R.T. -0.03 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 98728
Ion Ratio Lower Upper
82 100
128 47.6 34.0 51.0
54 46.5 42.2 63.2

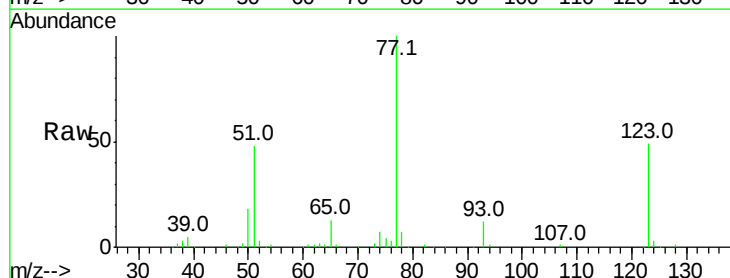


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

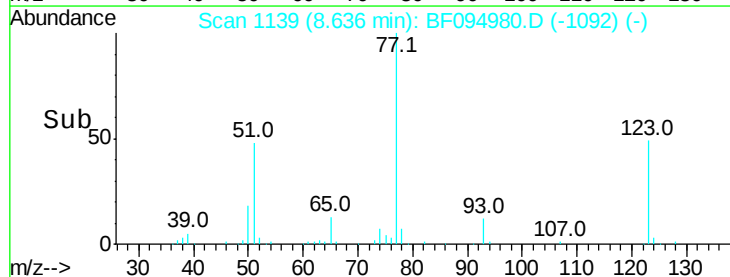
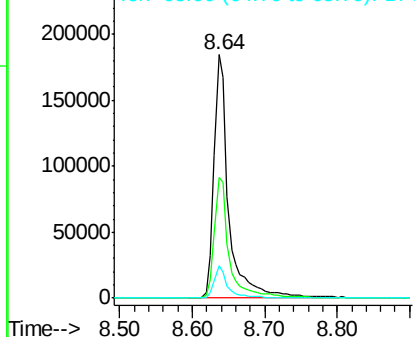


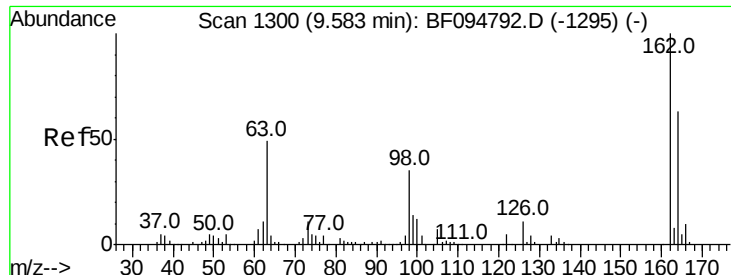
#24
Nitrobenzene
Concen: 41.22 ng
RT: 8.64 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Tgt Ion: 77 Resp: 263842
Ion Ratio Lower Upper
77 100
123 49.5 35.8 53.8
65 13.1 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0

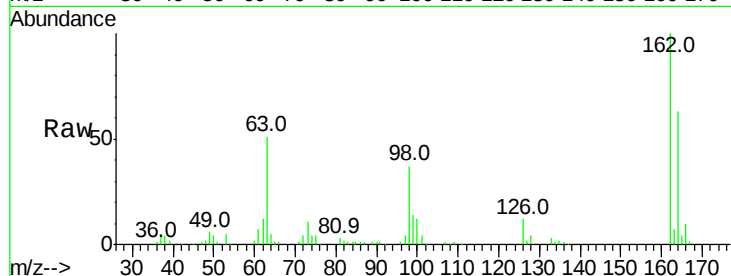




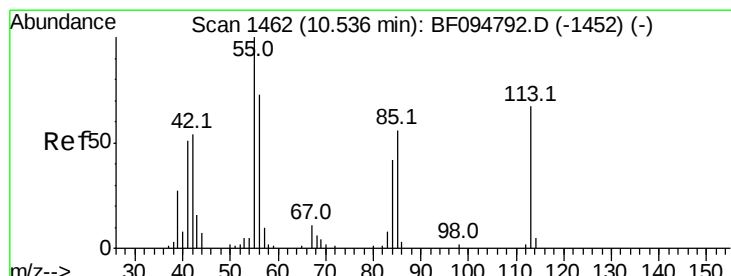
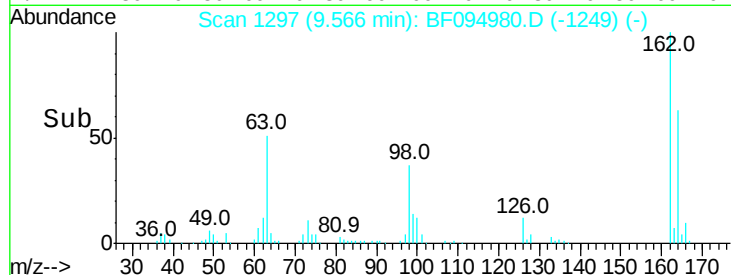
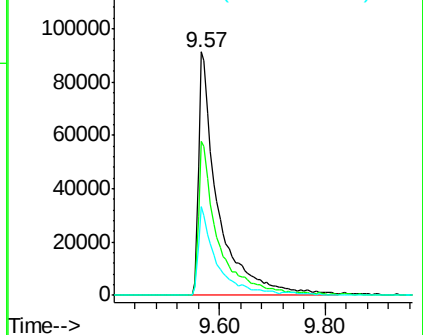
#29
 2,4-Dichlorophenol
 Concen: 44.70 ng
 RT: 9.57 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:162 Resp: 235673
 Ion Ratio Lower Upper
 162 100
 164 63.3 44.6 84.6
 98 36.7 14.8 54.8

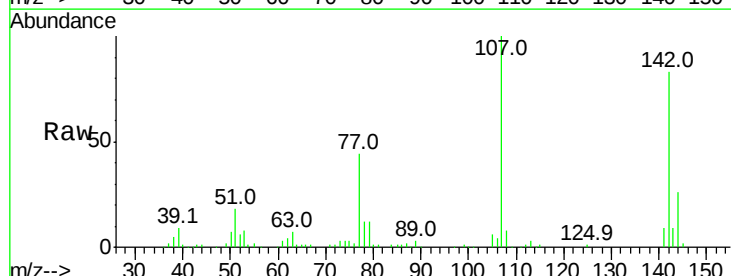


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

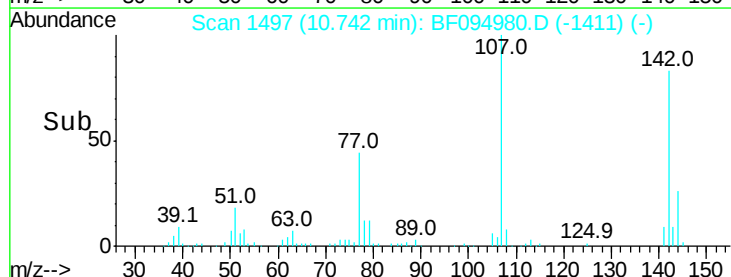
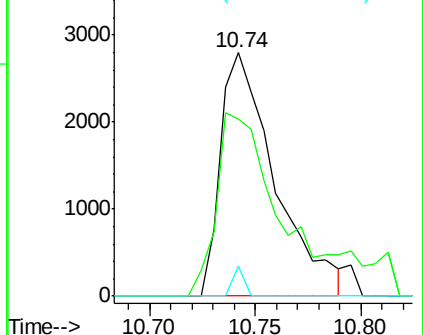


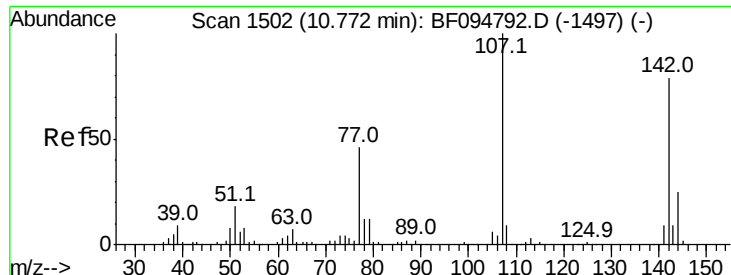
#35
 Caprolactam
 Concen: 3.15 ng
 RT: 10.74 min Scan# 1497
 Delta R.T. 0.21 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:113 Resp: 4987
 Ion Ratio Lower Upper
 113 100
 55 72.6 150.2 190.2#
 56 12.5 107.8 147.8#



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

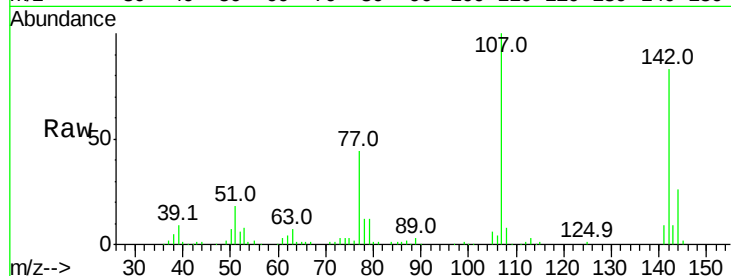




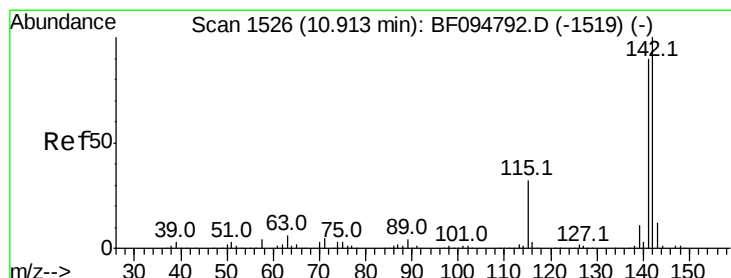
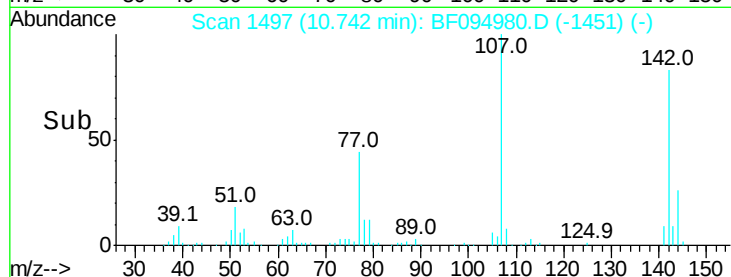
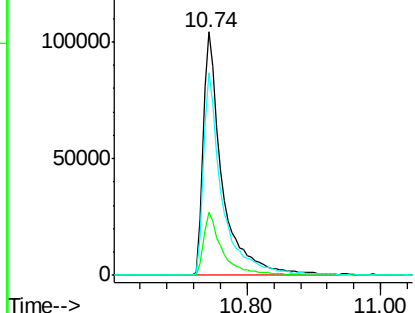
#36
 4-Chloro-3-methylphenol
 Concen: 36.42 ng
 RT: 10.74 min Scan# 1497
 Delta R.T. -0.03 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:107 Resp: 205281
 Ion Ratio Lower Upper
 107 100
 144 25.7 24.2 36.4
 142 83.0 73.4 110.0

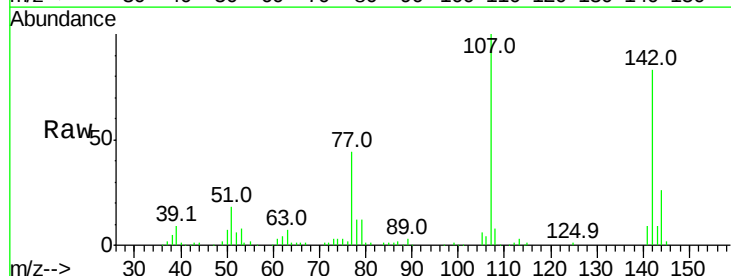


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

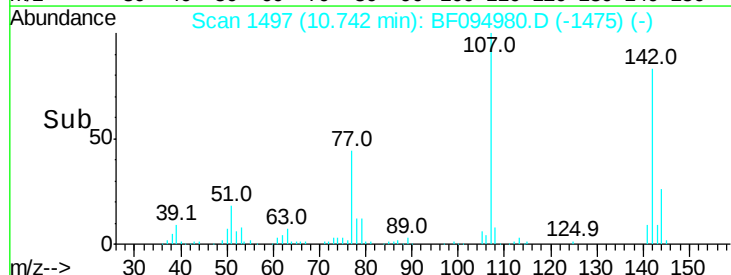
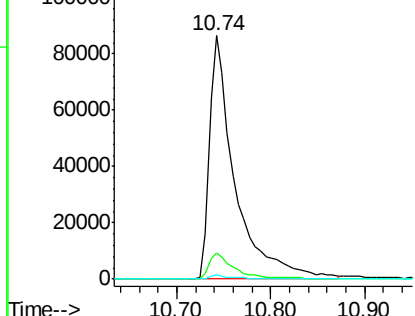


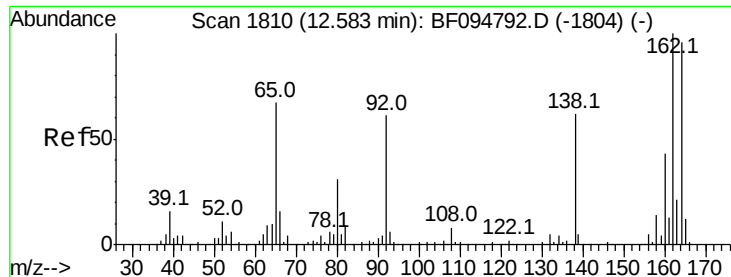
#37
 2-Methylnaphthalene
 Concen: 12.98 ng
 RT: 10.74 min Scan# 1497
 Delta R.T. -0.17 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:142 Resp: 164830
 Ion Ratio Lower Upper
 142 100
 141 10.9 71.3 106.9#
 115 1.5 27.1 40.7#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

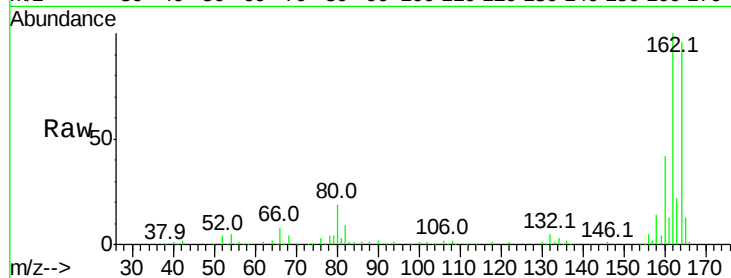
Tot Ion:164 Resp: 179520

Ion Ratio Lower Upper

164 100

162 104.7 82.6 123.8

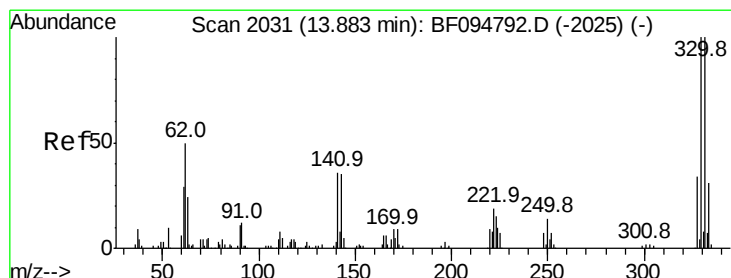
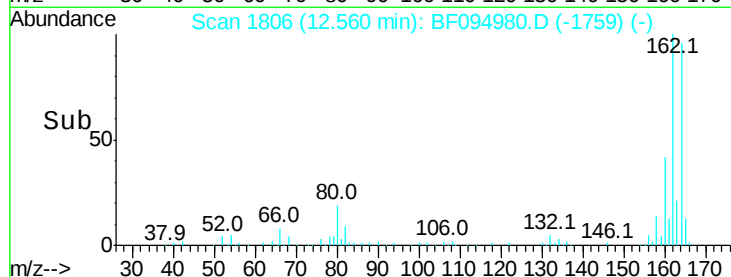
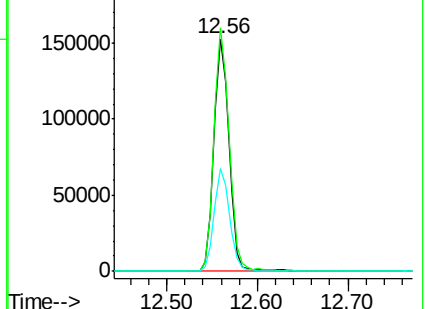
160 44.3 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 24.67 ng

RT: 13.86 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

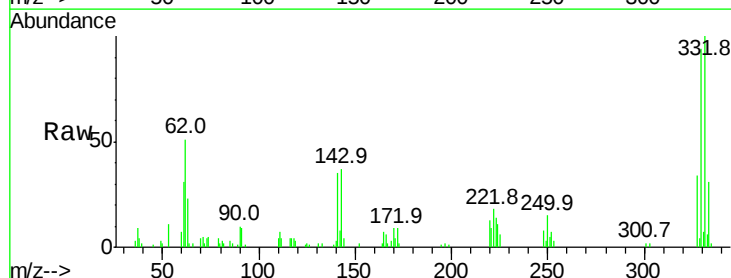
Tgt Ion:330 Resp: 36267

Ion Ratio Lower Upper

330 100

332 102.8 76.6 115.0

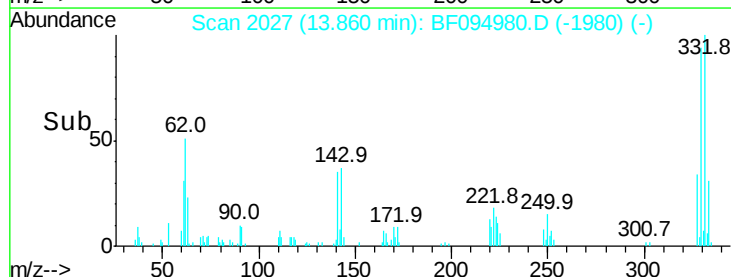
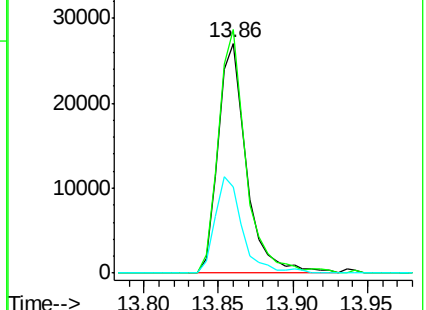
141 40.1 31.4 47.2

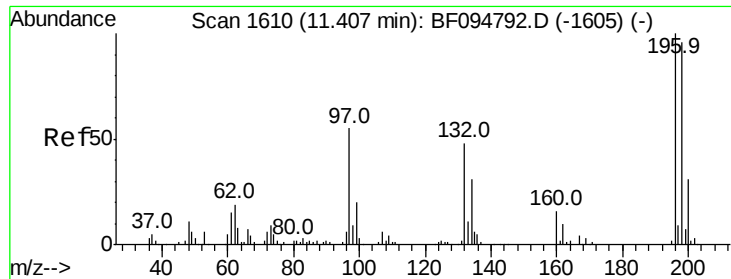


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

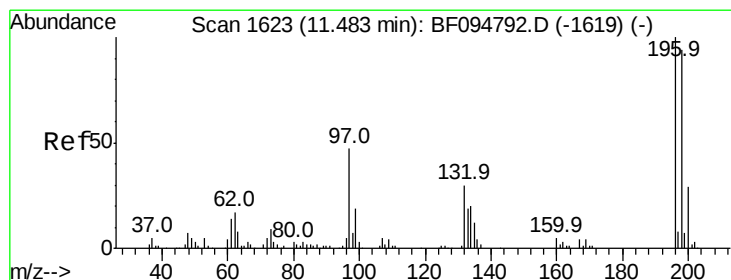
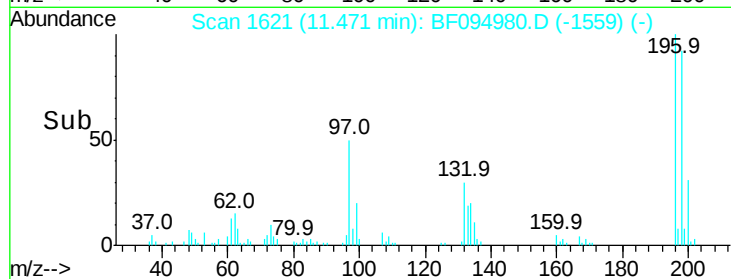
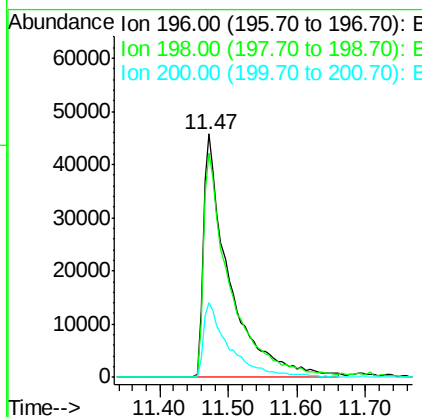
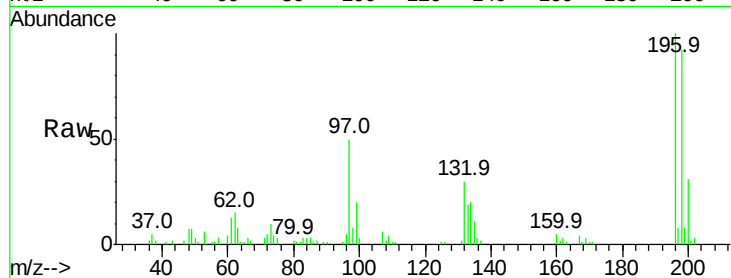




#42
 2,4,6-Trichlorophenol
 Concen: 32.81 ng
 RT: 11.47 min Scan# 1621
 Delta R.T. 0.06 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

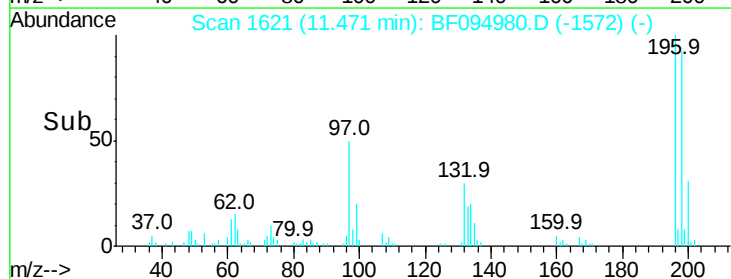
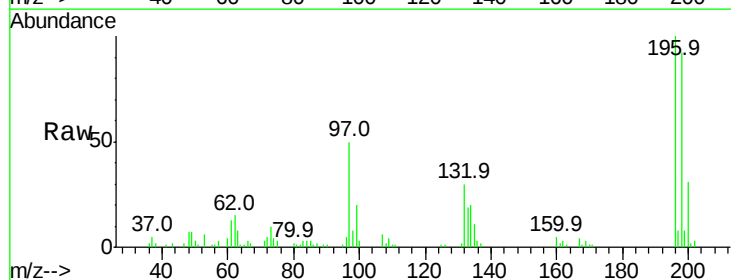
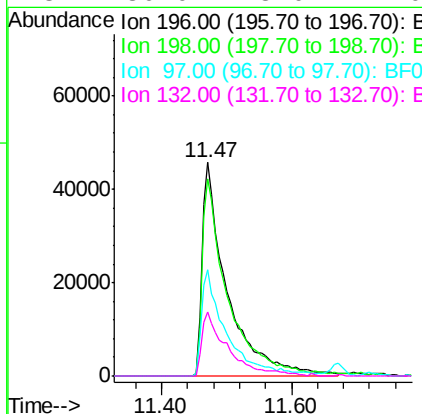
Instrument :
 BNA_F
 ClientSampleId :

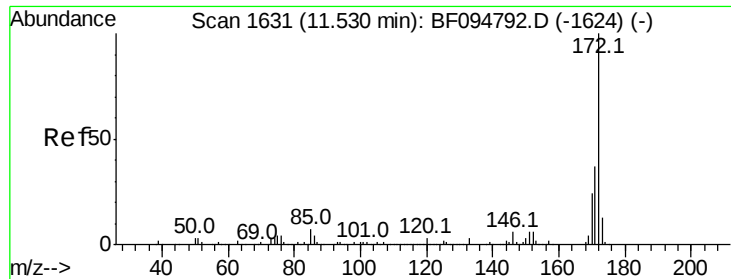
Tot Ion	196	Resp	120949
Ion Ratio	Lower	Upper	
196	100		
198	92.1	74.2	111.4
200	30.7	24.0	36.0



#43
 2,4,5-Trichlorophenol
 Concen: 30.62 ng
 RT: 11.47 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion	196	Resp	121317
Ion Ratio	Lower	Upper	
196	100		
198	92.1	75.7	113.5
97	49.7	47.7	71.5
132	30.0	28.0	42.0

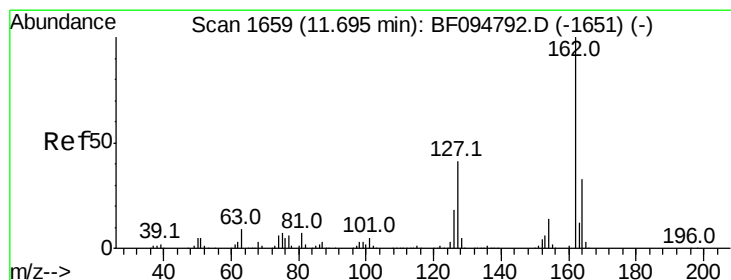
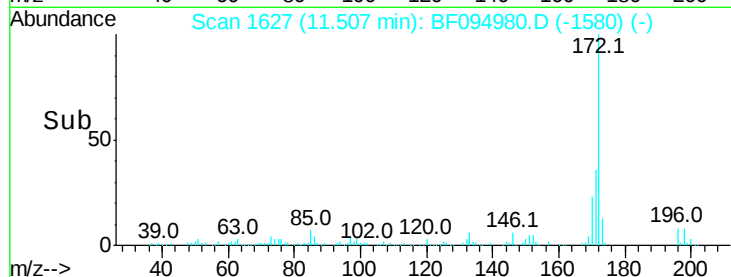
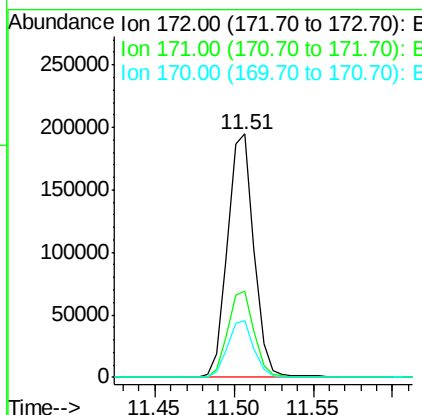
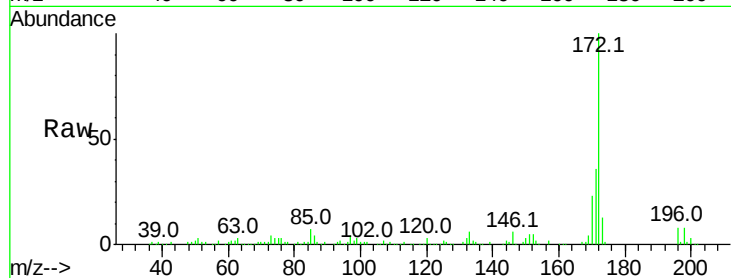




#44
 2-Fluorobiphenyl
 Concen: 18.01 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

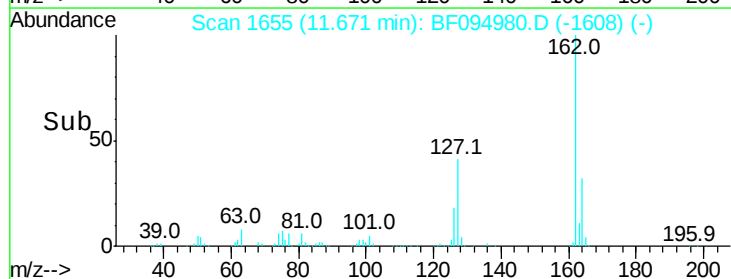
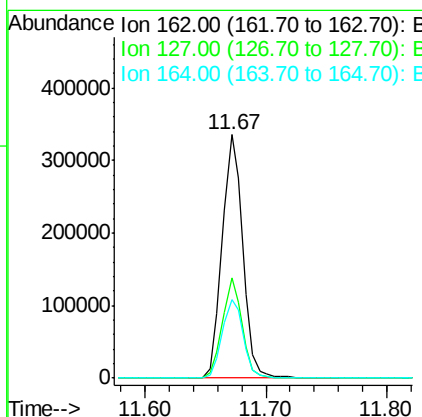
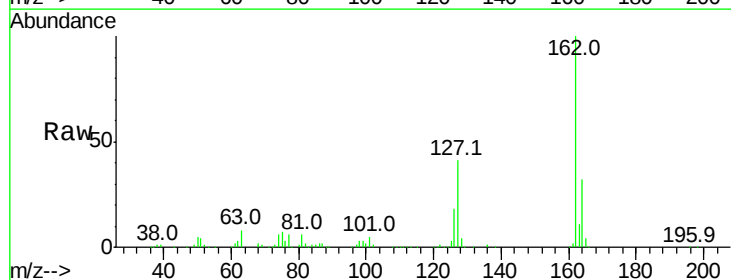
Instrument :
 BNA_F
 ClientSampleId :

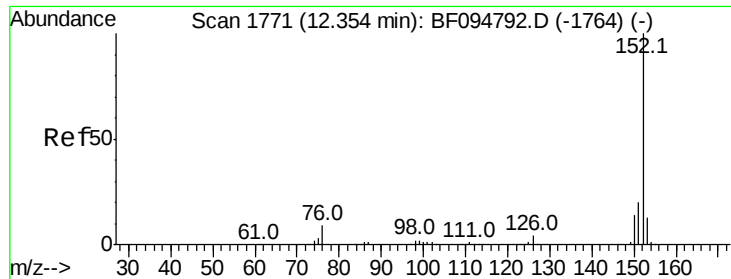
Tot Ion:172 Resp: 224655
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.3 19.8 29.8



#46
 2-Chloronaphthalene
 Concen: 32.44 ng
 RT: 11.67 min Scan# 1655
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:162 Resp: 395961
 Ion Ratio Lower Upper
 162 100
 127 41.1 28.3 42.5
 164 32.2 27.0 40.4





#48

Acenaphthylene

Concen: 26.75 ng

RT: 12.33 min Scan# 1767

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampled :

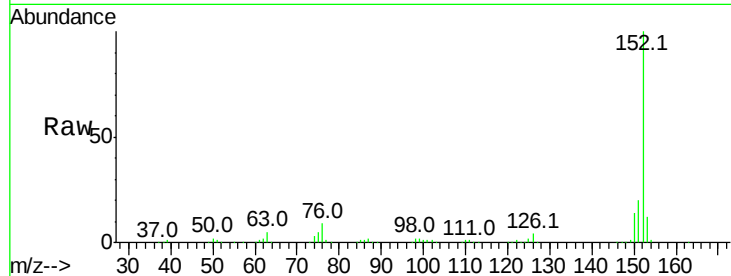
Tot Ion:152 Resp: 511275

Ion Ratio Lower Upper

152 100

151 20.3 16.8 25.2

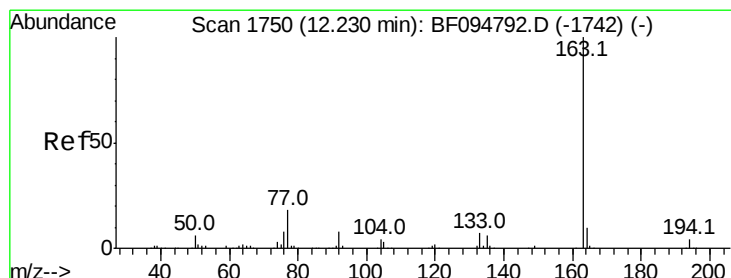
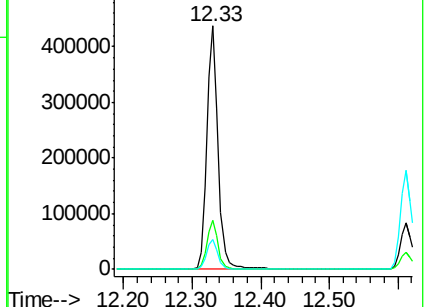
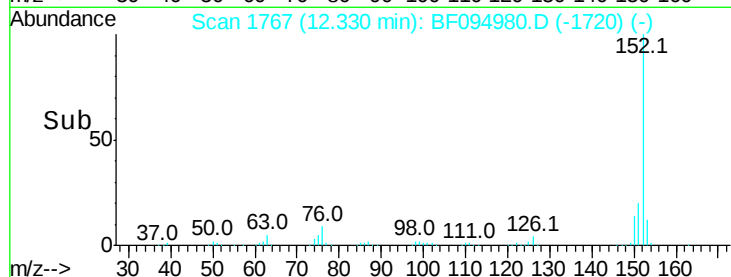
153 12.5 10.8 16.2



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: 16.73 ng

RT: 12.20 min Scan# 1745

Delta R.T. -0.03 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

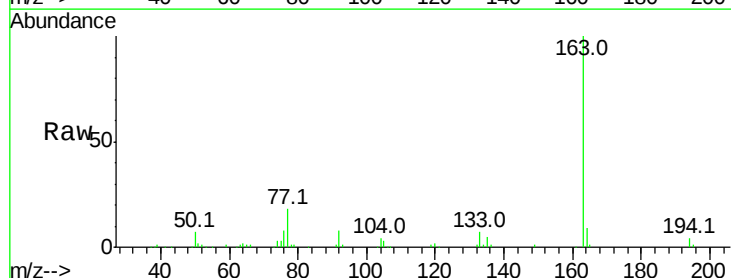
Tgt Ion:163 Resp: 246556

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

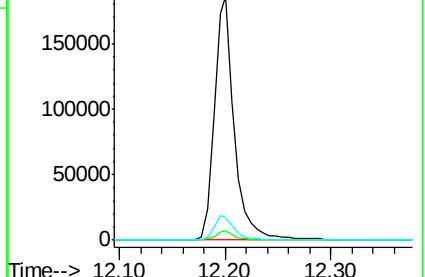
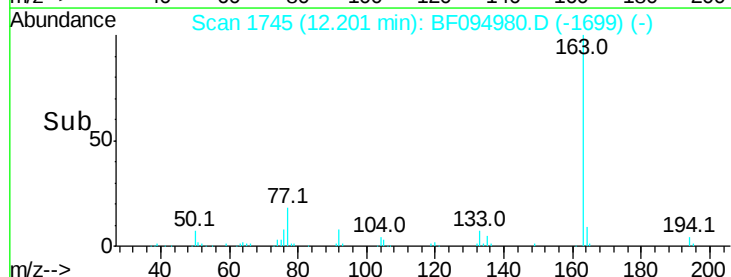
164 9.2 8.4 12.6

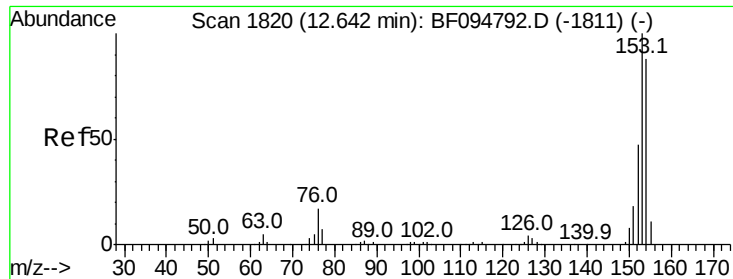


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 16.00 ng

RT: 12.61 min Scan# 1815

Delta R.T. -0.03 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampled :

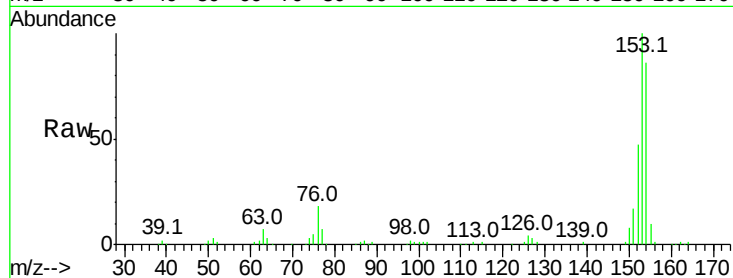
Tot Ion:154 Resp: 182644

Ion Ratio Lower Upper

154 100

153 115.9 90.5 135.7

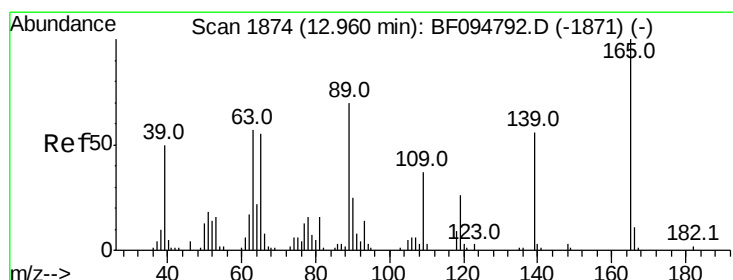
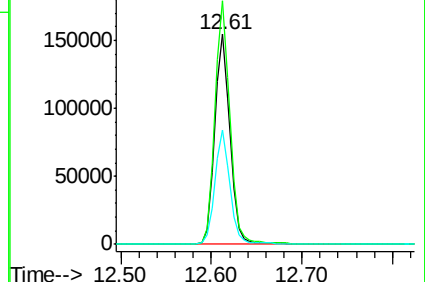
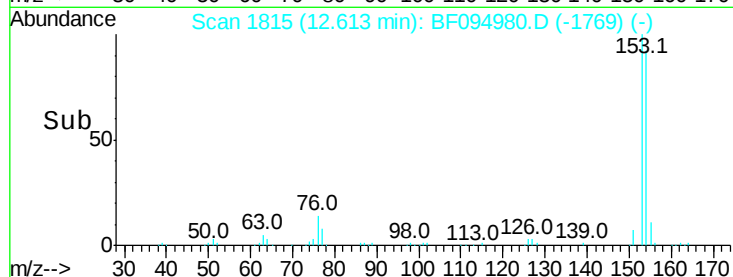
152 54.3 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 32.41 ng

RT: 12.97 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

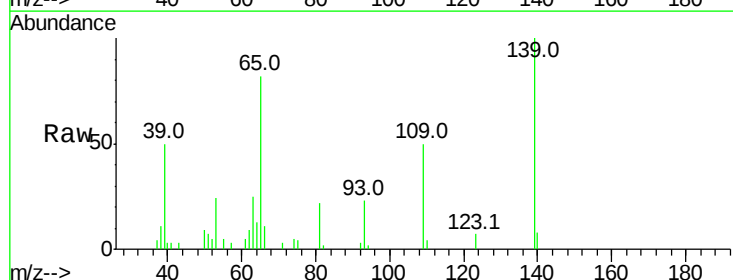
Tgt Ion:139 Resp: 62812

Ion Ratio Lower Upper

139 100

109 50.3 34.1 74.1

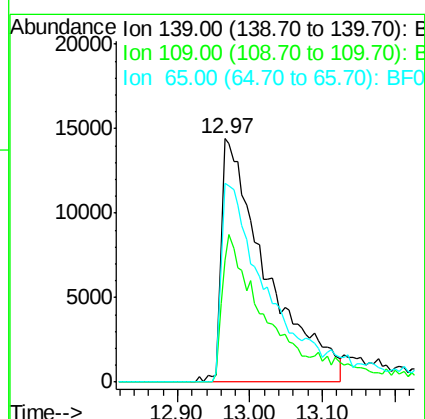
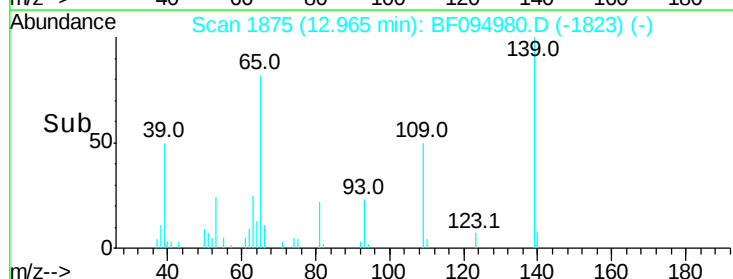
65 81.5 31.4 71.4#

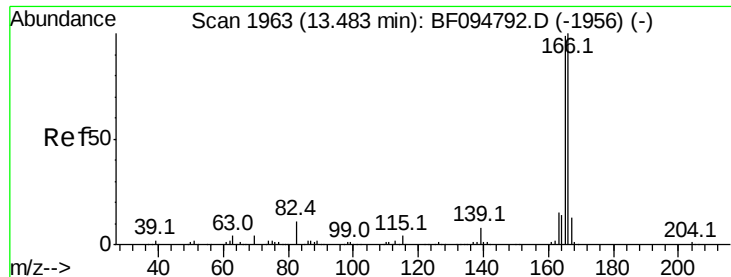


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 14.28 ng

RT: 13.46 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

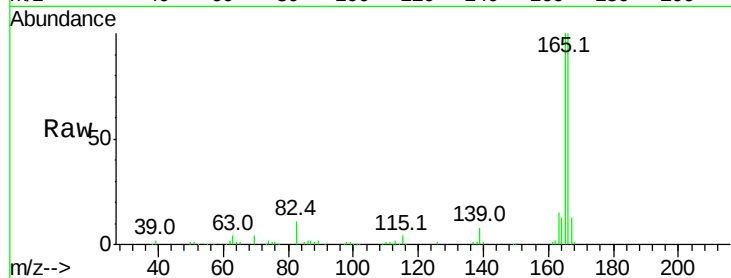
Instrument :

BNA_F

ClientSampleId :

Tot Ion:166 Resp: 196215

Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.8	118.2
167	12.7	10.6	16.0

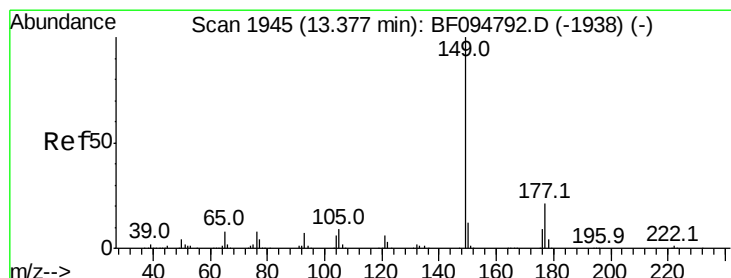
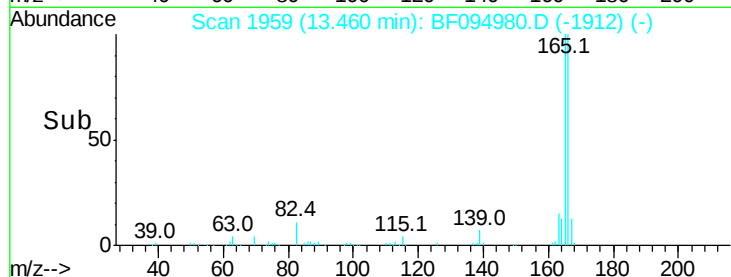
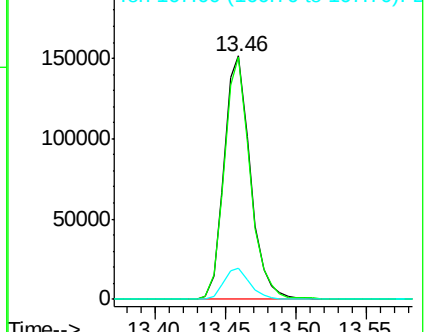


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 37.17 ng

RT: 13.35 min Scan# 1940

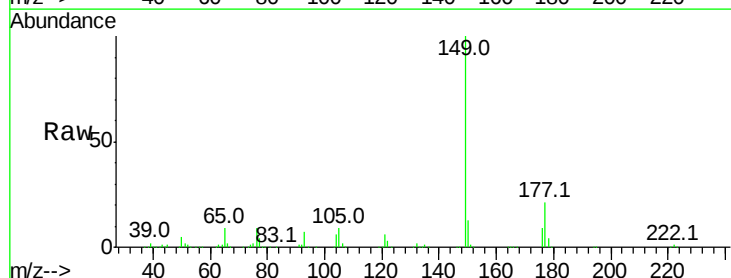
Delta R.T. -0.03 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Tgt Ion:149 Resp: 525075

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.7	25.1
150	12.6	10.2	15.2

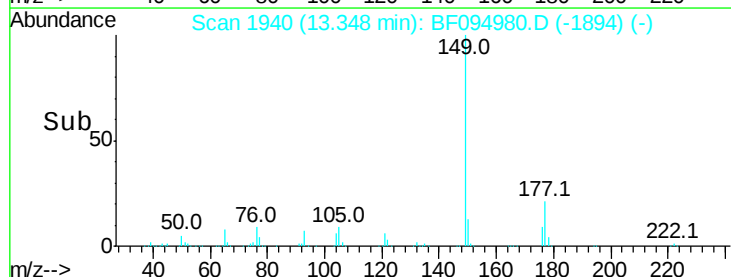
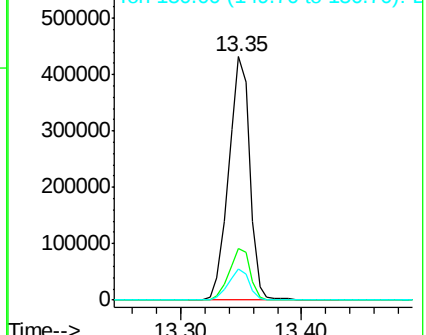


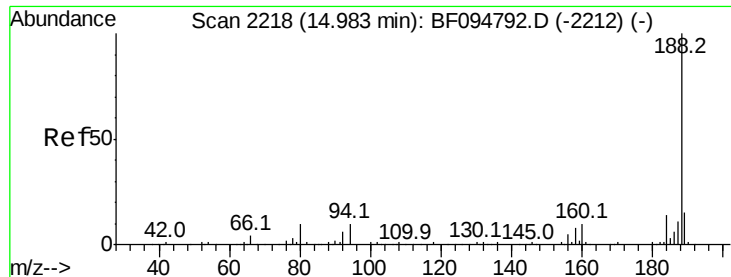
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

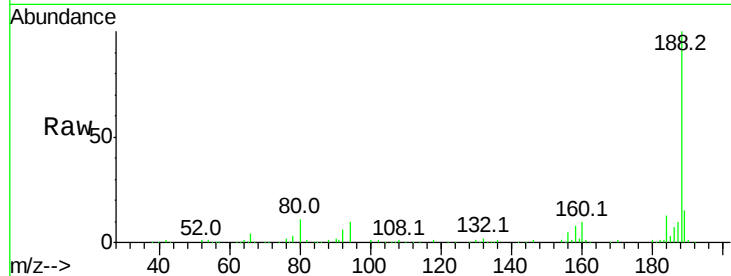




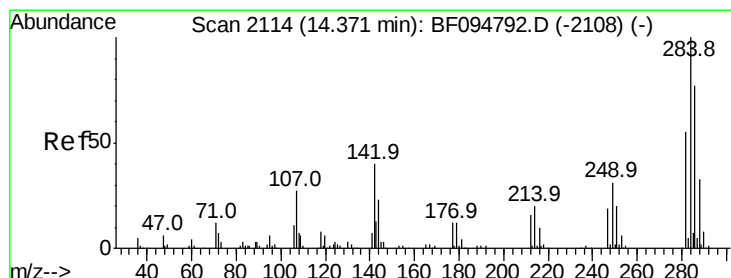
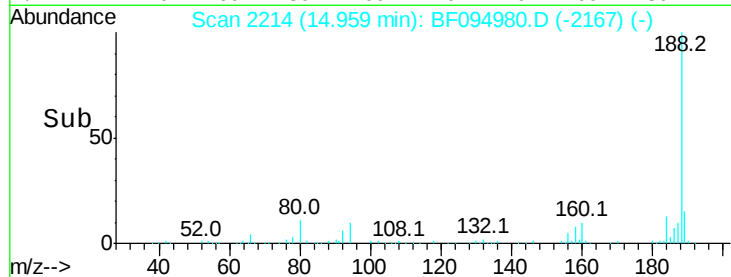
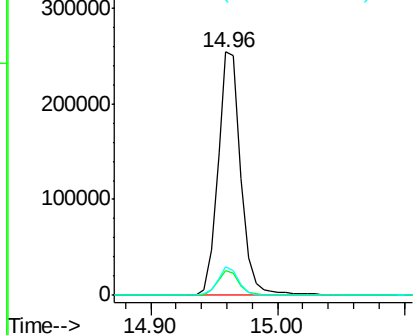
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.96 min Scan# 2214
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 318810
 Ion Ratio Lower Upper
 188 100
 94 10.3 9.4 14.2
 80 11.5 10.2 15.2

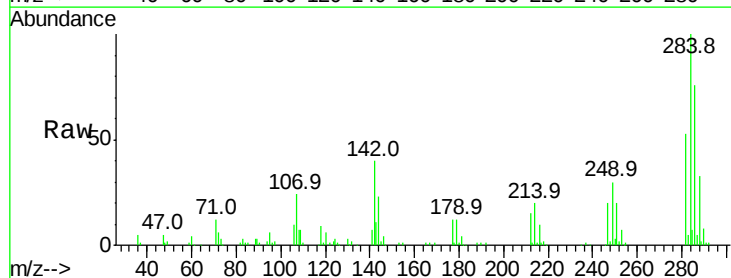


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

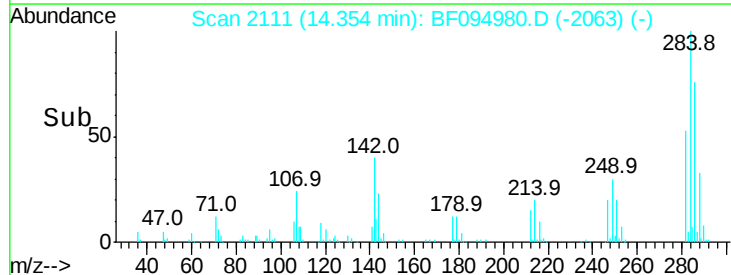
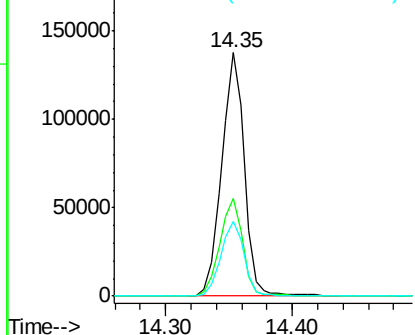


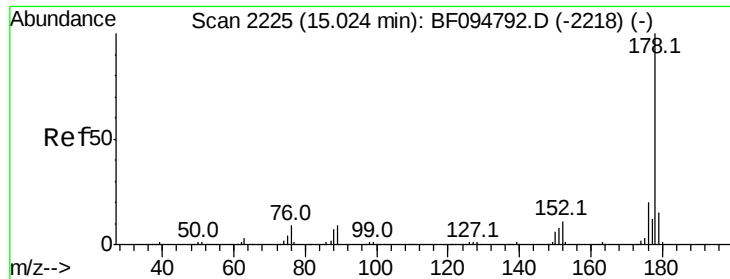
#67
 Hexachlorobenzene
 Concen: 49.30 ng
 RT: 14.35 min Scan# 2111
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:284 Resp: 170182
 Ion Ratio Lower Upper
 284 100
 142 39.9 22.8 34.2#
 249 30.5 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

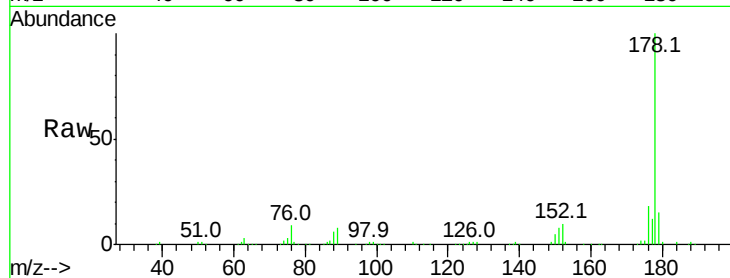




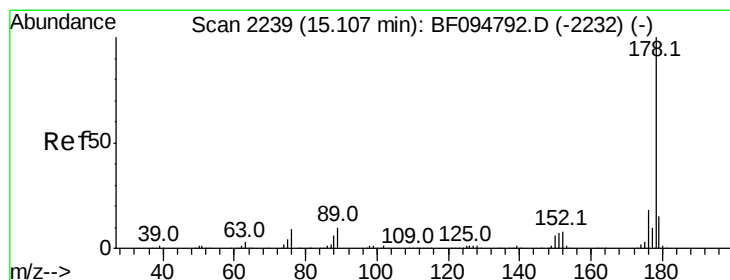
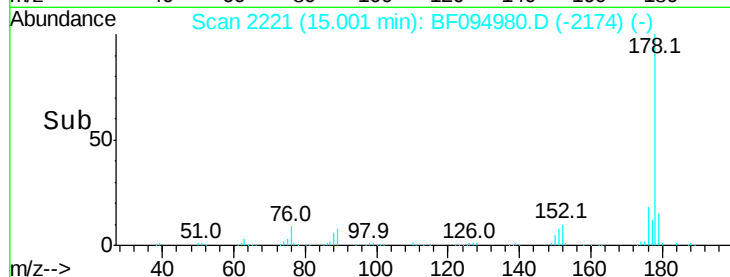
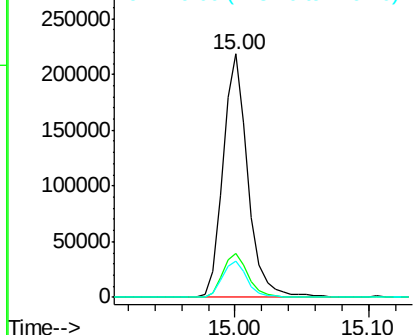
#70
 Phenanthrene
 Concen: 15.64 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 286429
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 14.9 12.6 19.0

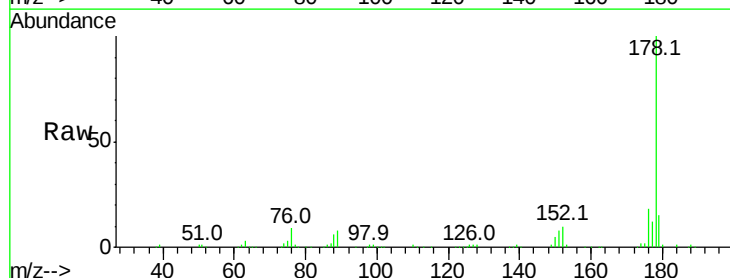


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

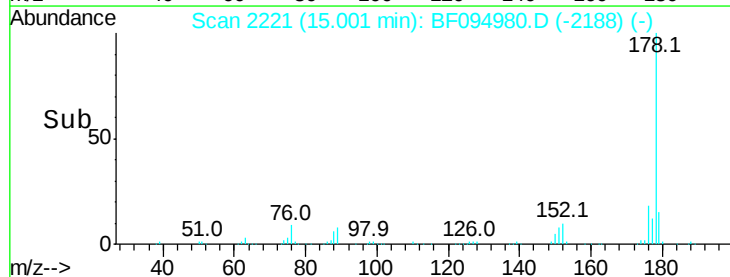
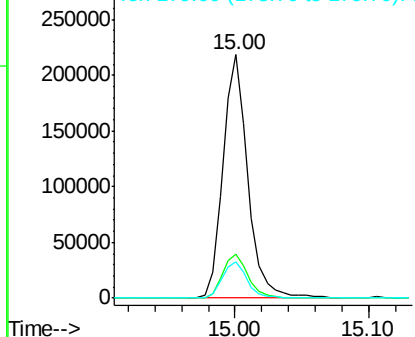


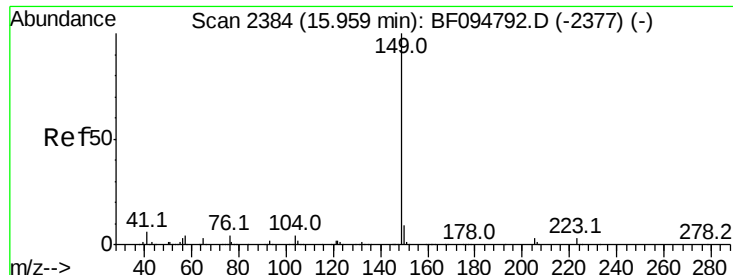
#71
 Anthracene
 Concen: 15.31 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.11 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:178 Resp: 286429
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.8 23.8
 179 14.9 12.7 19.1



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

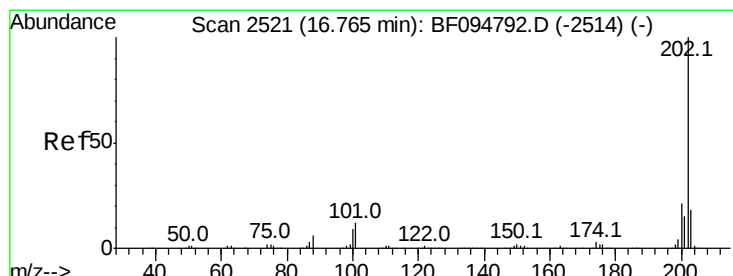
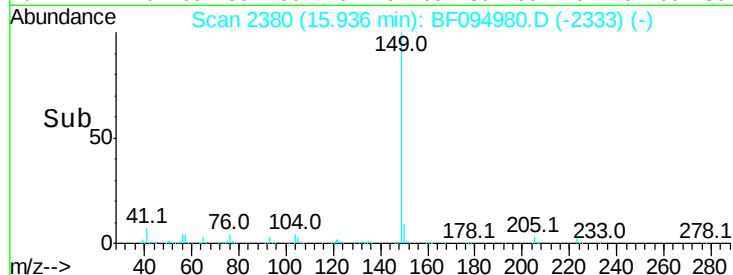
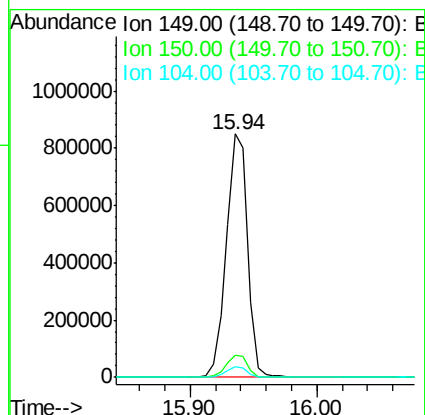
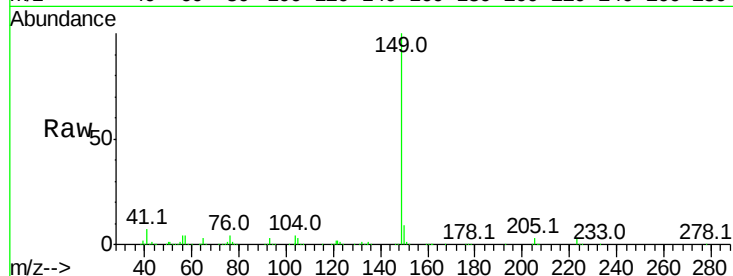




#73
Di-n-butylphthalate
Concen: 46.16 ng
RT: 15.94 min Scan# 2380
Delta R.T. -0.02 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

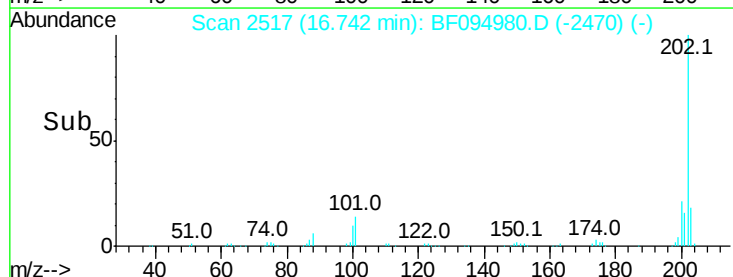
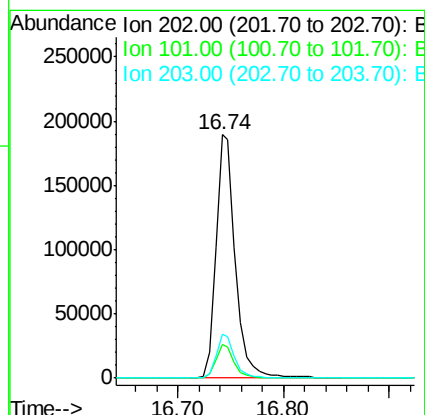
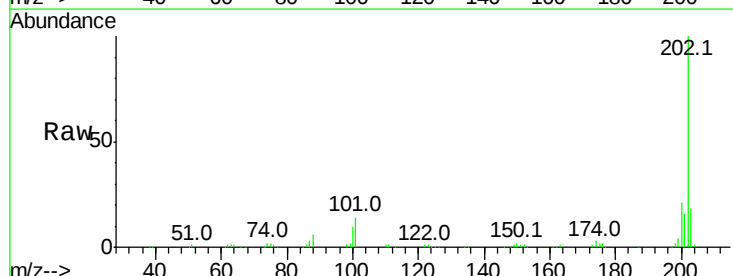
Instrument :
BNA_F
ClientSampleId :

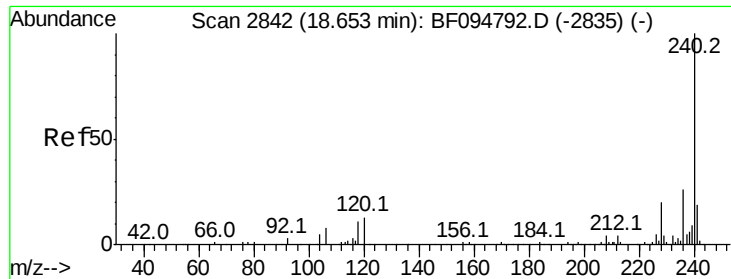
Tot Ion:149 Resp: 979959
Ion Ratio Lower Upper
149 100
150 9.3 7.7 11.5
104 4.4 4.0 6.0



#74
Fluoranthene
Concen: 12.93 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Tgt Ion:202 Resp: 243028
Ion Ratio Lower Upper
202 100
101 13.7 0.0 33.2
203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

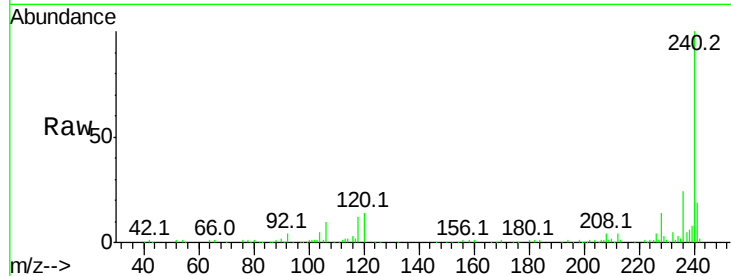
Tot Ion:240 Resp: 289918

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

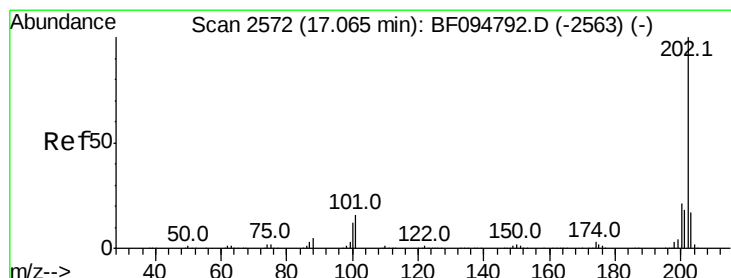
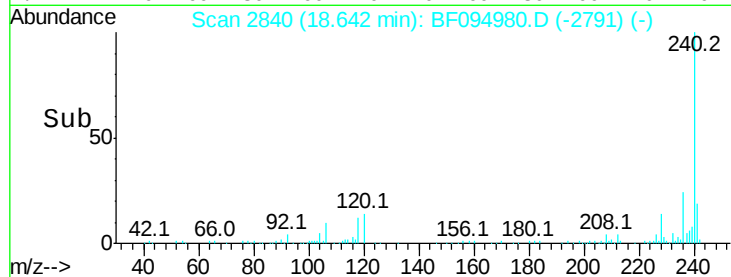
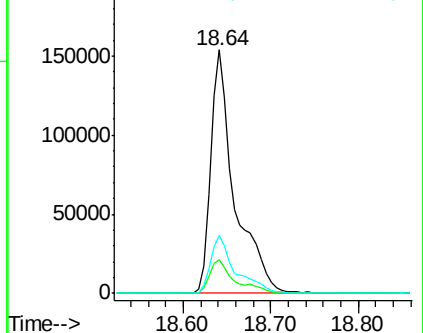
236 24.1 20.5 30.7



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: 13.02 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

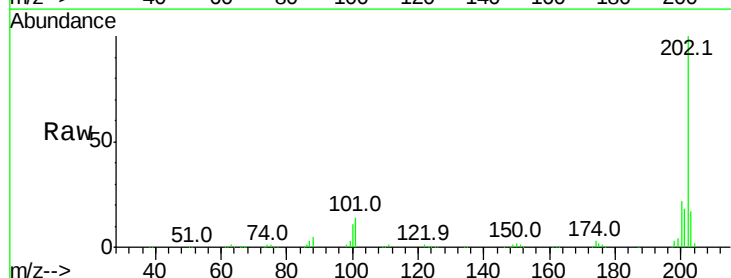
Tgt Ion:202 Resp: 282232

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

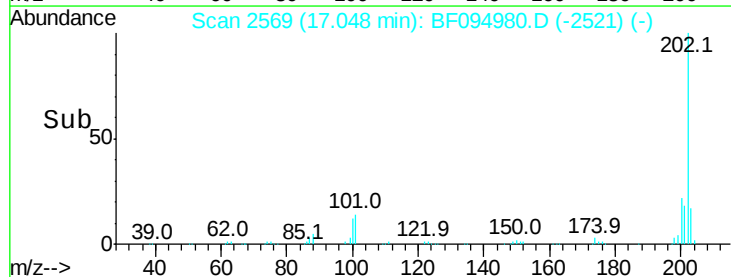
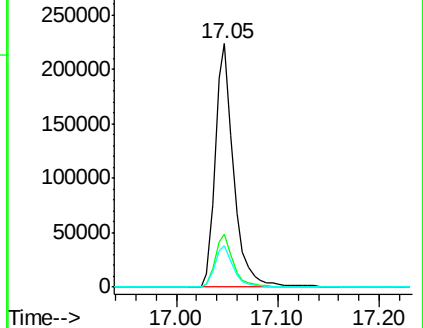
203 16.9 14.4 21.6

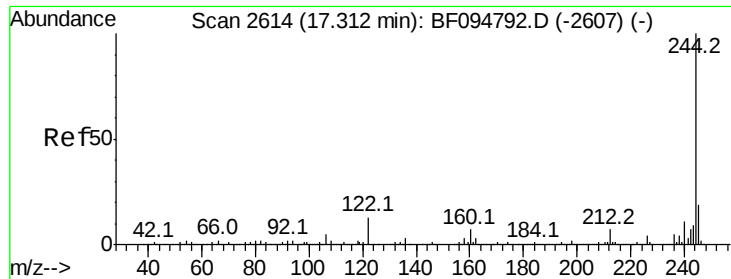


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

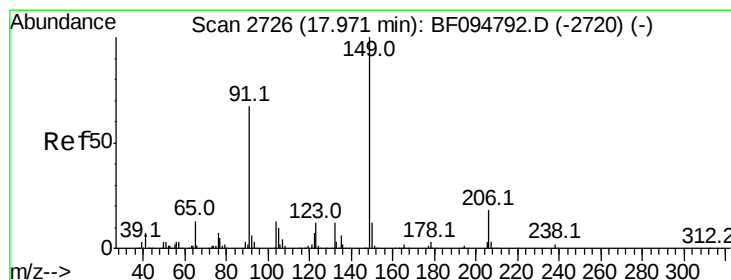
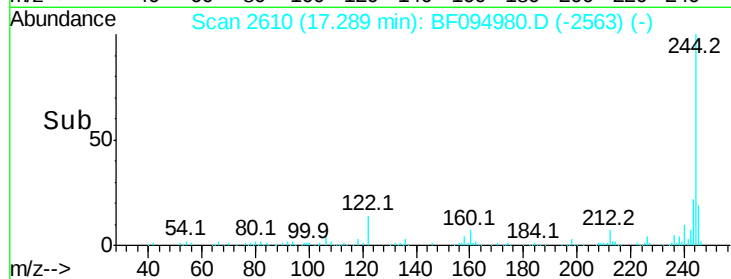
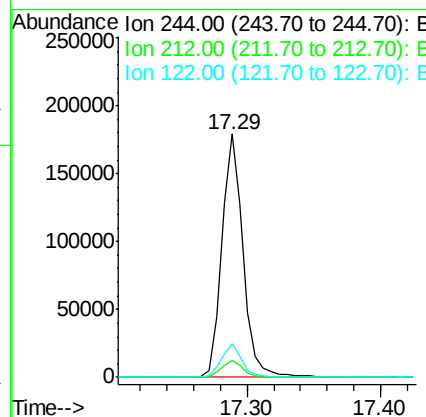
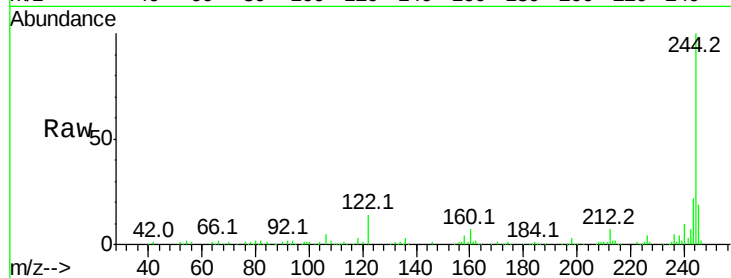




#78
 Terphenyl-d14
 Concen: 15.24 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

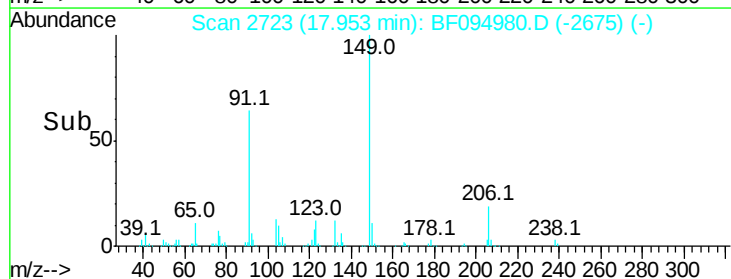
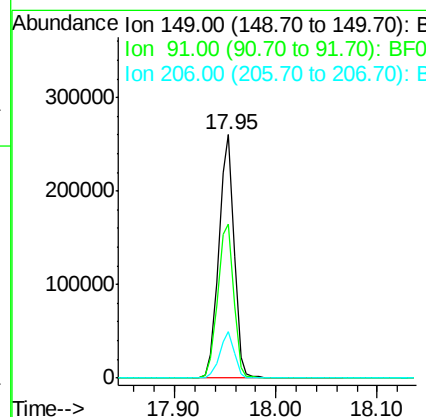
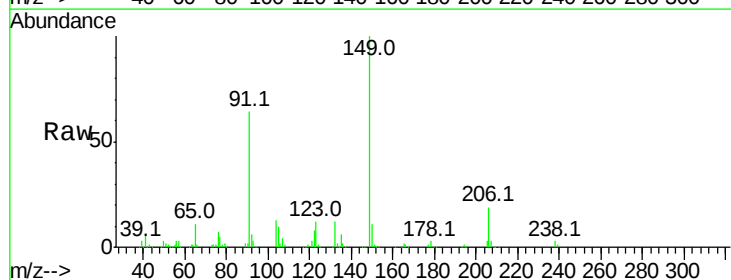
Instrument :
 BNA_F
 ClientSampled :

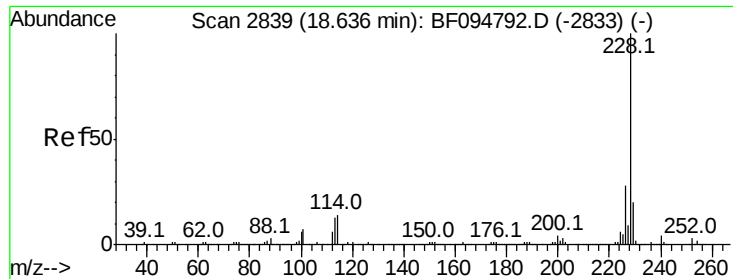
Tot Ion:244 Resp: 200601
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.8 10.3 15.5



#79
 Butylbenzylphthalate
 Concen: 27.15 ng
 RT: 17.95 min Scan# 2723
 Delta R.T. -0.02 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion:149 Resp: 273846
 Ion Ratio Lower Upper
 149 100
 91 63.5 45.0 67.4
 206 19.2 17.0 25.6





#80

Benzo(a)anthracene

Concen: 18.58 ng

RT: 18.62 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :

BNA_F

ClientSampleId :

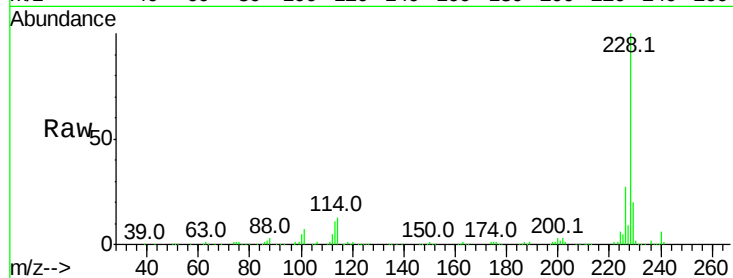
Tot Ion:228 Resp: 313542

Ion Ratio Lower Upper

228 100

226 26.8 22.6 33.8

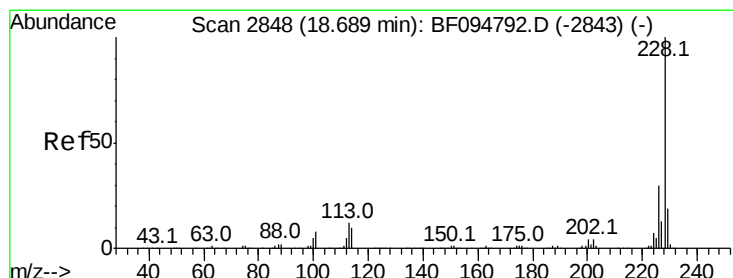
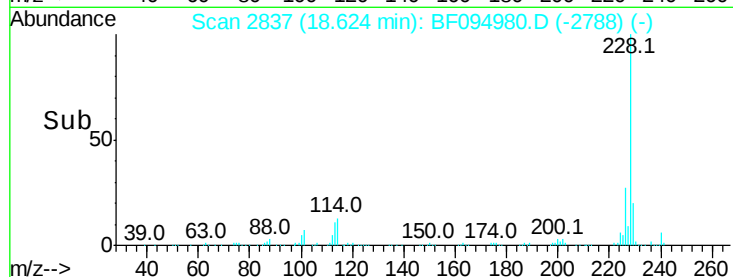
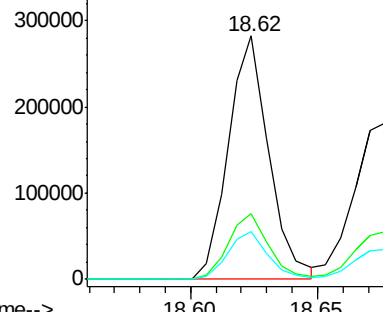
229 19.6 16.3 24.5



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: 23.18 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

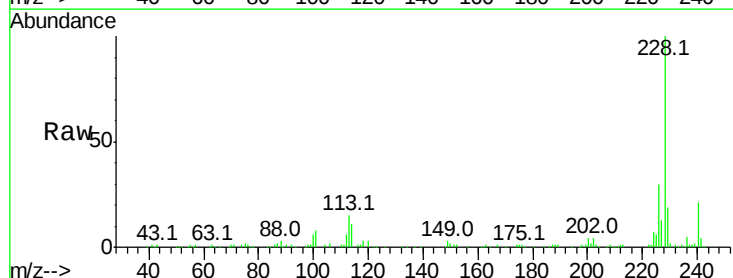
Tgt Ion:228 Resp: 378187

Ion Ratio Lower Upper

228 100

226 30.2 24.9 37.3

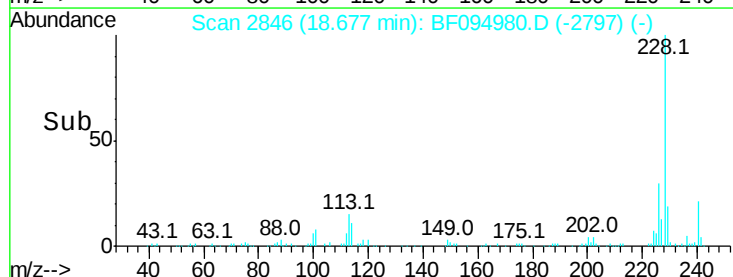
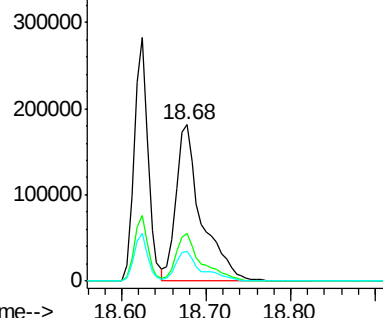
229 19.2 15.8 23.6

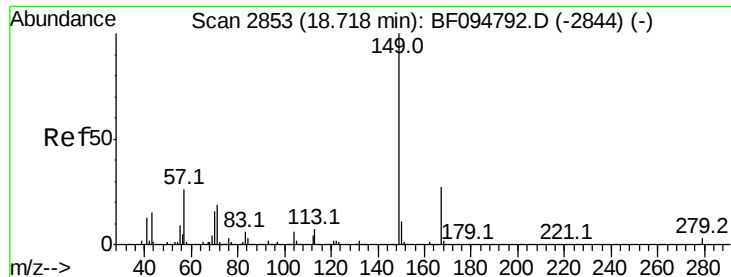


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.14 ng

RT: 18.69 min Scan# 2849

Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

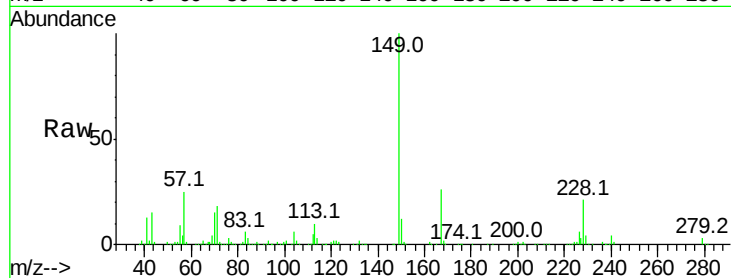
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 332495

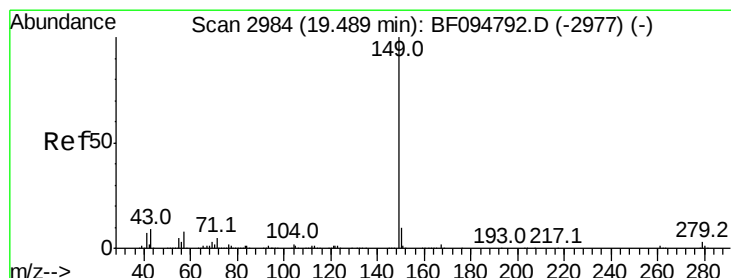
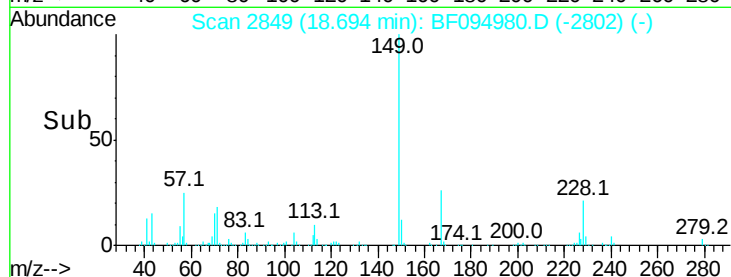
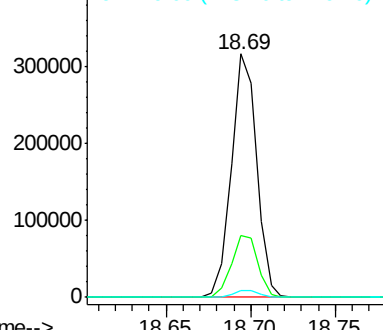
Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.0	31.4
279	2.7	1.9	2.9



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



#84

Di-n-octyl phthalate

Concen: 14.09 ng

RT: 19.47 min Scan# 2980

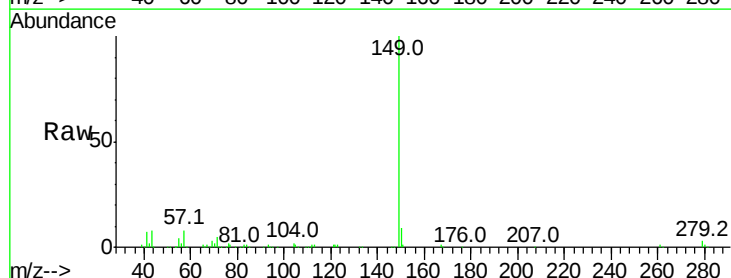
Delta R.T. -0.02 min

Lab File: BF094980.D

Acq: 8 May 2017 14:56

Tgt Ion:149 Resp: 332040

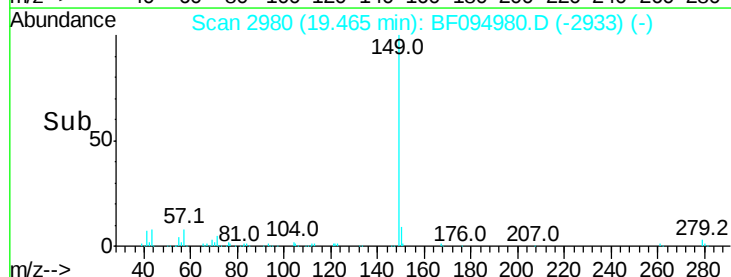
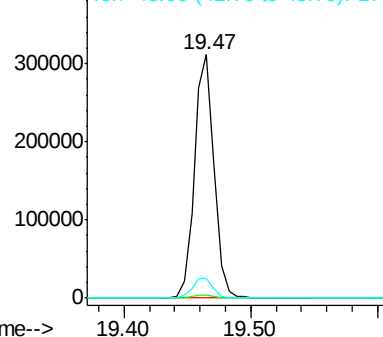
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.9	8.5	12.7

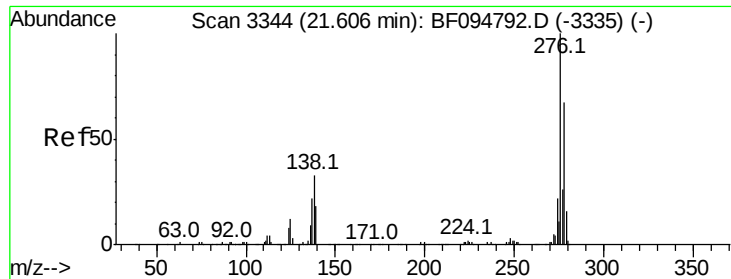


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

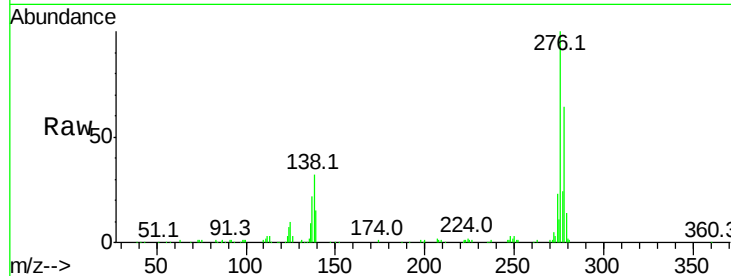




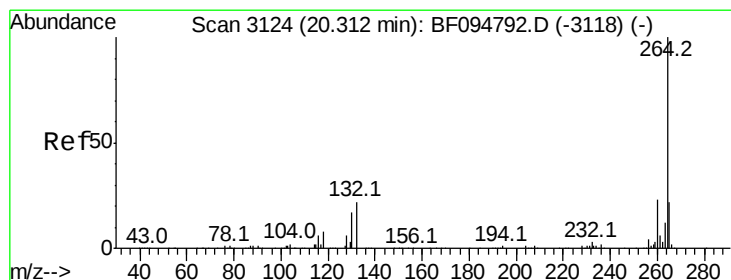
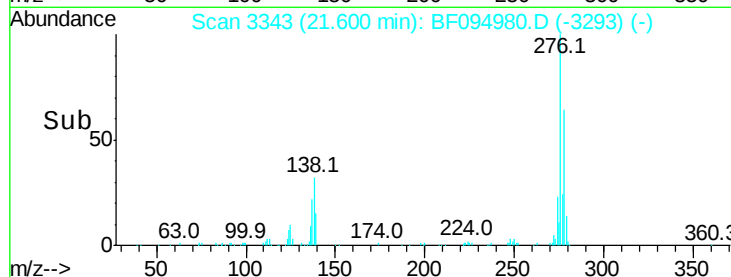
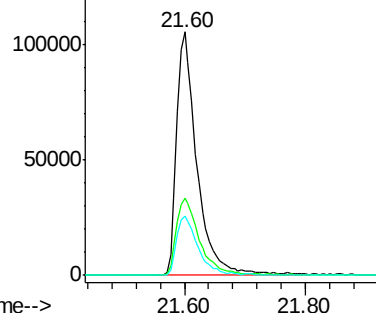
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.80 ng
 RT: 21.60 min Scan# 3343
 Delta R.T. -0.01 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.2	27.8	41.6
277	25.9	20.2	30.4

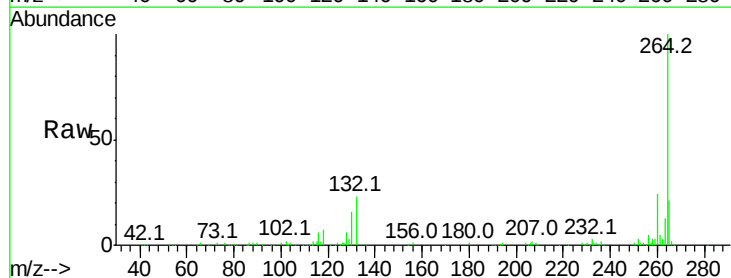


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

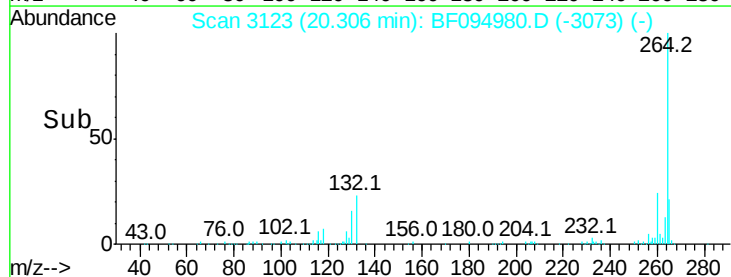
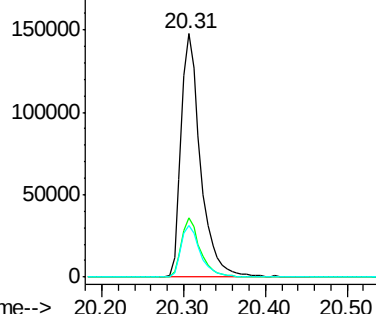


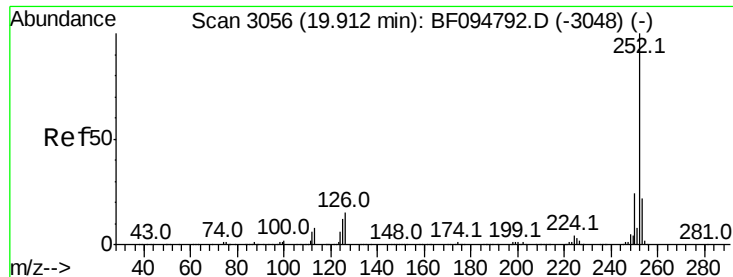
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094980.D
 Acq: 8 May 2017 14:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.0	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: 19.42 ng

RT: 19.89 min Scan# 3053

Delta R.T. -0.02 min

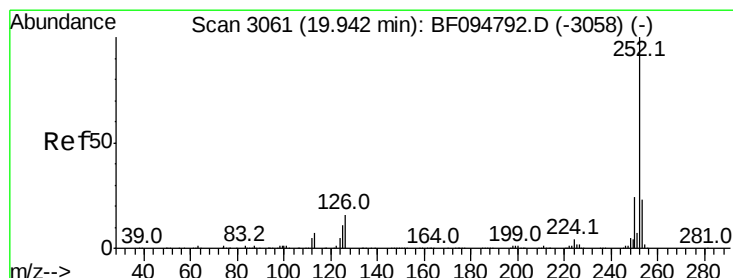
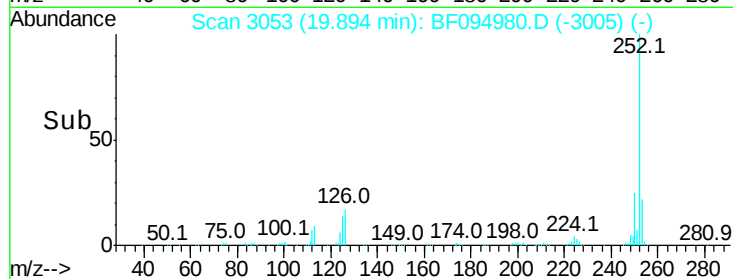
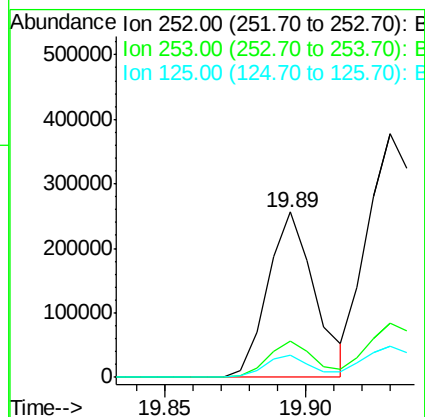
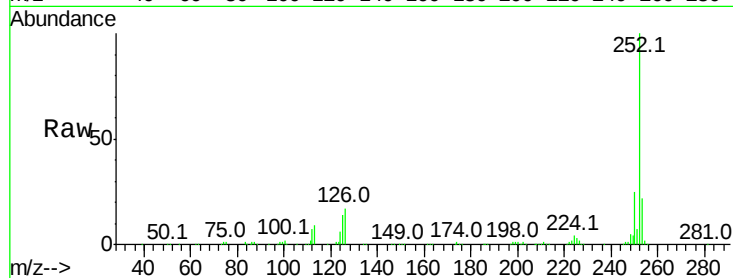
Lab File: BF094980.D

Acq: 8 May 2017 14:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 294949

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	13.5	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 20.13 ng

RT: 19.89 min Scan# 3053

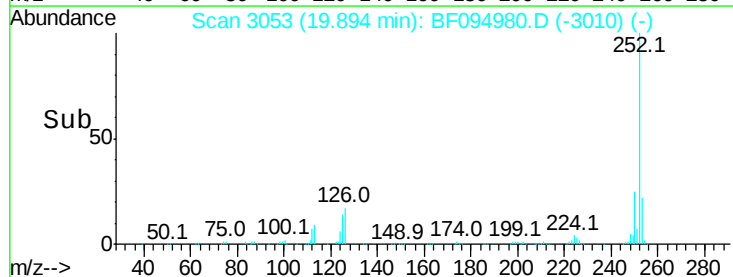
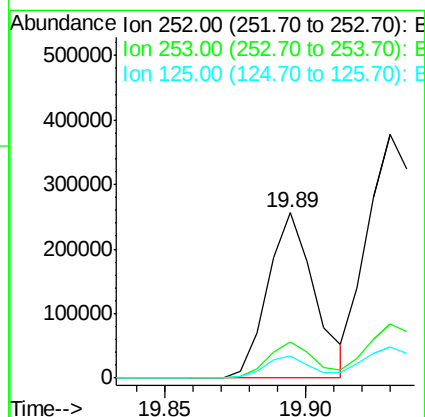
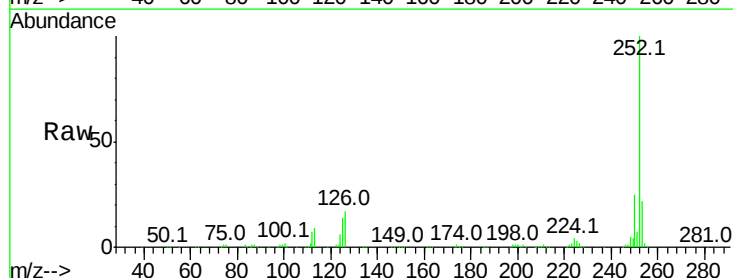
Delta R.T. -0.05 min

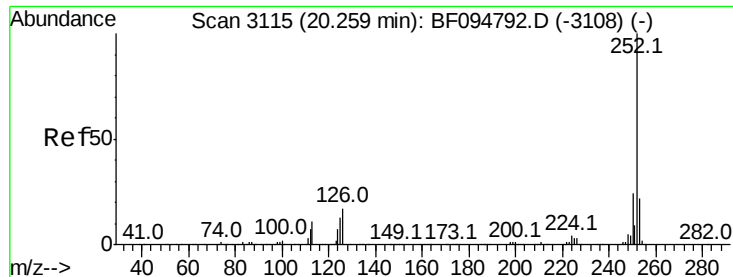
Lab File: BF094980.D

Acq: 8 May 2017 14:56

Tgt Ion:252 Resp: 294949

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	13.5	13.1	19.7

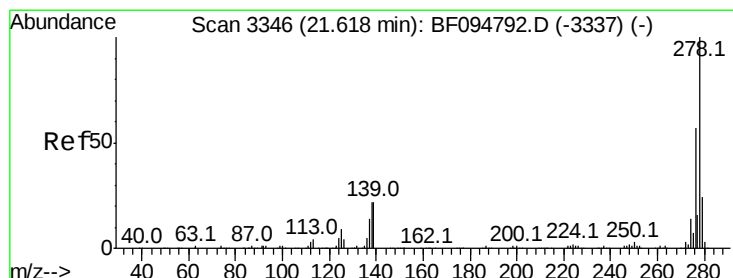
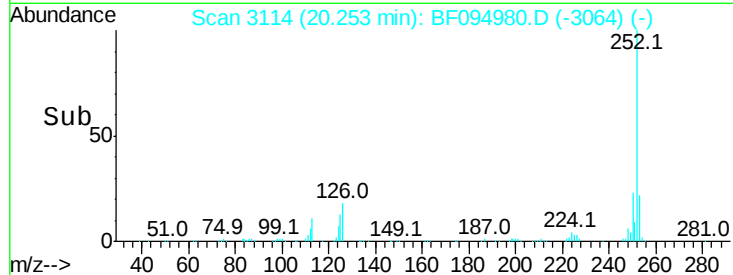
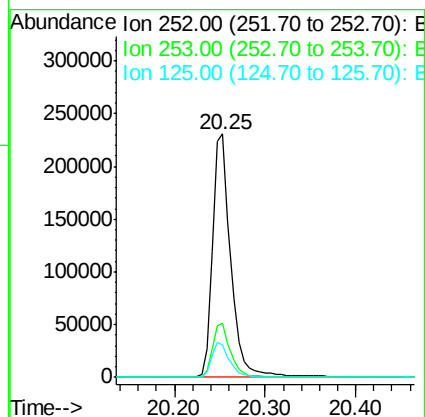
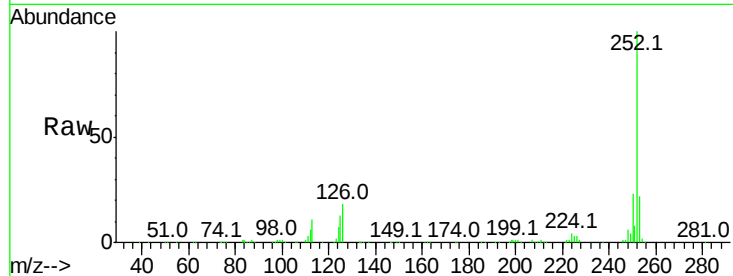




#89
Benzo(a)pyrene
Concen: 22.99 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 322303
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.1 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 22.71 ng
RT: 21.61 min Scan# 3345
Delta R.T. -0.01 min
Lab File: BF094980.D
Acq: 8 May 2017 14:56

Tgt Ion:278 Resp: 262899
Ion Ratio Lower Upper
278 100
139 21.9 16.6 24.8
279 22.9 19.3 28.9

