

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050517\
 Data File : BF094922.D
 Acq On : 5 May 2017 18:00
 Operator : SJ/MA
 Sample : I2930-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 05 18:27:30 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

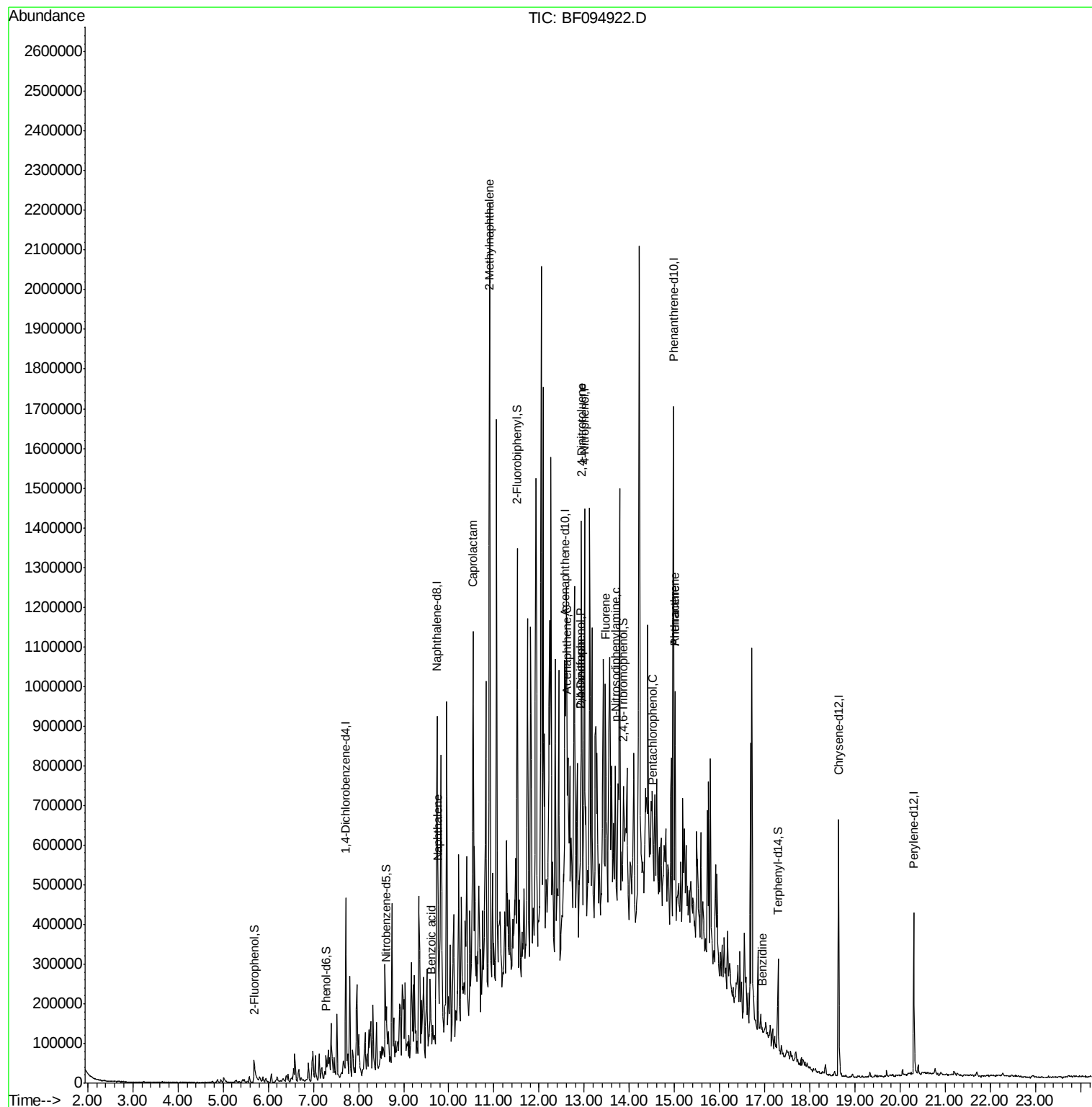
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	90587	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	358455	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	172131	20.00	ng	-0.01
63) Phenanthrene-d10	14.98	188	287191	20.00	ng	0.00
75) Chrysene-d12	18.64	240	281653	20.00	ng	-0.02
86) Perylene-d12	20.30	264	192366	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	49911	9.19	ng	0.01
7) Phenol-d6	7.28	99	69345	10.64	ng	0.00
23) Nitrobenzene-d5	8.62	82	41320	7.27	ng	-0.02
41) 2,4,6-Tribromophenol	13.88	330	13613	9.66	ng	0.00
44) 2-Fluorobiphenyl	11.51	172	91059	7.61	ng	-0.02
78) Terphenyl-d14	17.29	244	83462	6.53	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.77	128	65636	3.64	ng	# 92
32) Benzoic acid	9.61	122	1292	5.42	ng	# 49
35) Caprolactam	10.54	113	28146	19.10	ng	# 68
37) 2-Methylnaphthalene	10.91	142	710815	60.12	ng	98
51) Acenaphthene	12.62	154	34749	3.17	ng	97
53) 2,4-Dinitrophenol	12.92	184	386	6.47	ng	# 1
54) Dibenzofuran	12.92	168	46729	3.08	ng	# 67
55) 4-Nitrophenol	13.01	139	15367	8.27	ng	86
56) 2,4-Dinitrotoluene	12.94	165	21930	5.92	ng	# 50
57) Fluorene	13.47	166	80200	6.09	ng	# 98
65) n-Nitrosodiphenylamine	13.69	169	97055	9.31	ng	# 60
69) Pentachlorophenol	14.52	266	107	5.93	ng	# 18
70) Phenanthrene	15.01	178	281644	17.07	ng	98
71) Anthracene	15.01	178	281644	16.71	ng	99
76) Benzidine	16.95	184	276	6.62	ng	# 1

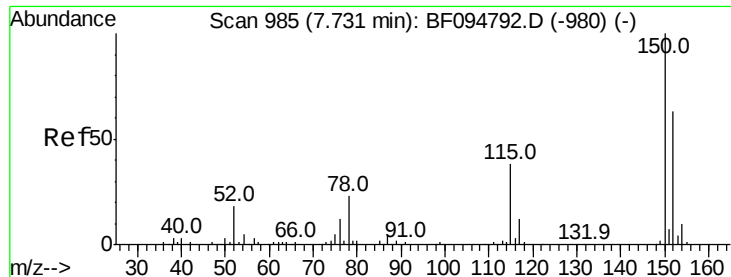
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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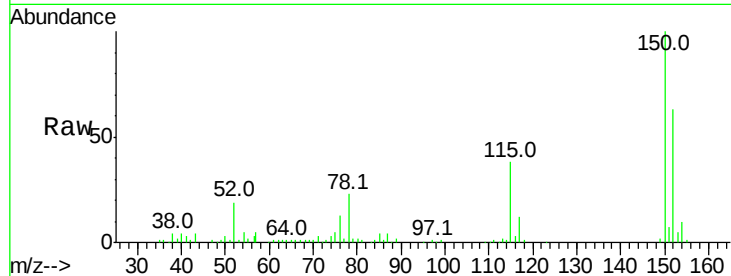


#1

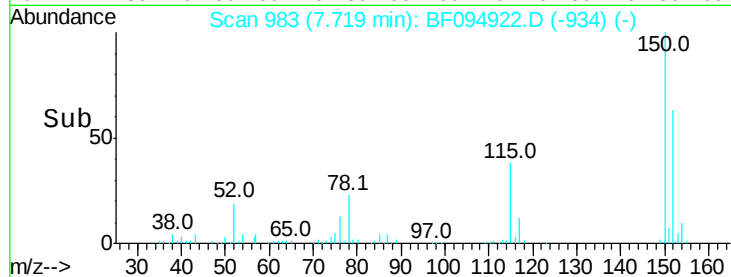
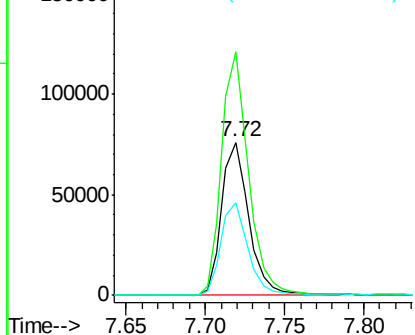
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 983
Delta R.T. -0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90587
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 60.5 52.2 78.2



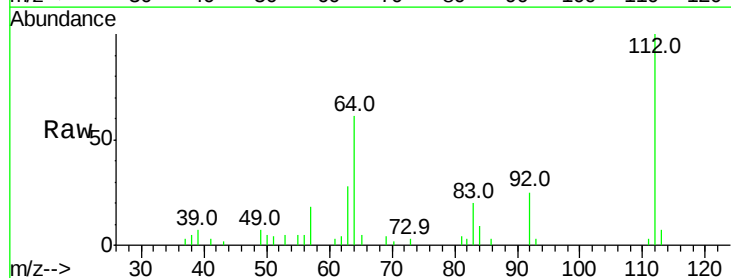
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



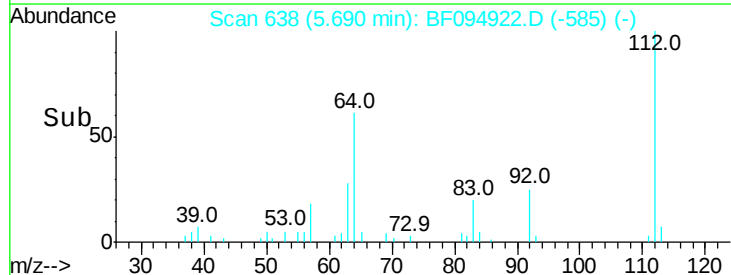
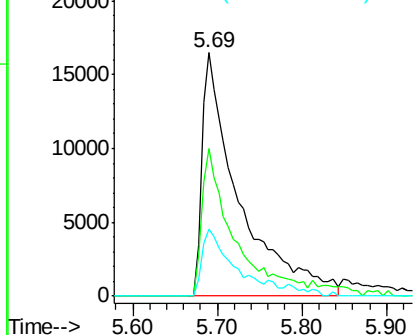
#5

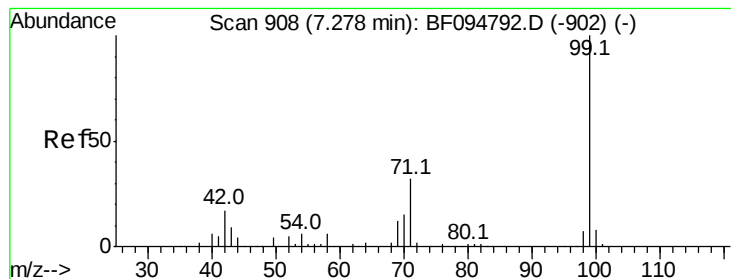
2-Fluorophenol
Concen: 9.19 ng
RT: 5.69 min Scan# 638
Delta R.T. 0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Tgt Ion:112 Resp: 49911
Ion Ratio Lower Upper
112 100
64 60.6 46.0 69.0
63 27.8 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





#7

Phenol-d6

Concen: 10.64 ng

RT: 7.28 min Scan# 909

Delta R.T. 0.01 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampleId :

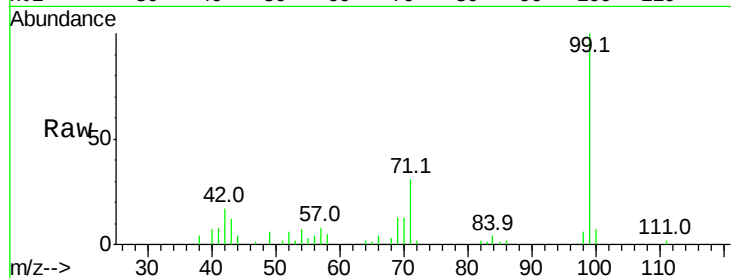
Tot Ion: 99 Resp: 69345

Ion Ratio Lower Upper

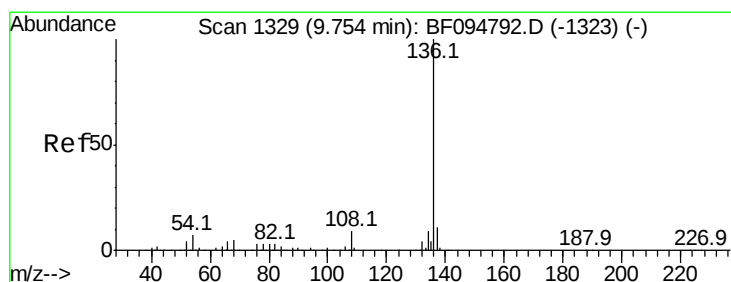
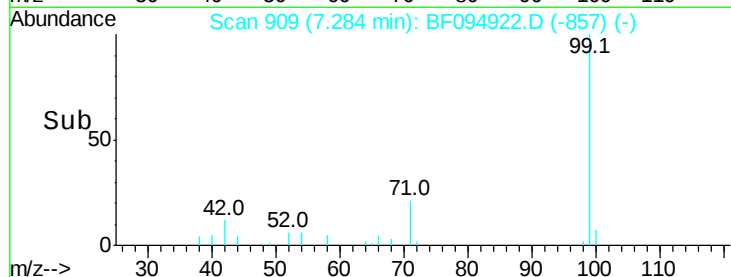
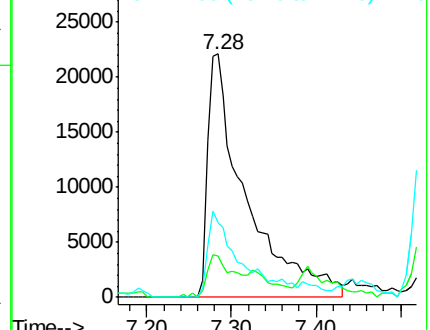
99 100

42 16.8 13.5 20.3

71 30.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.74 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Tgt Ion: 136 Resp: 358455

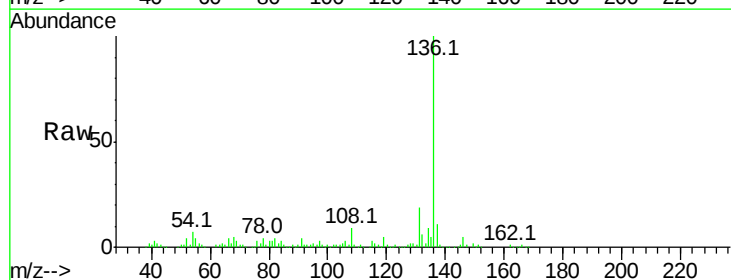
Ion Ratio Lower Upper

136 100

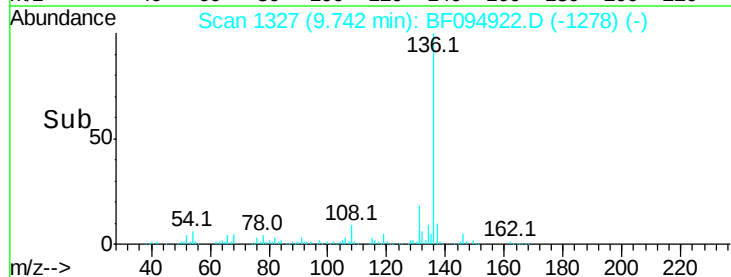
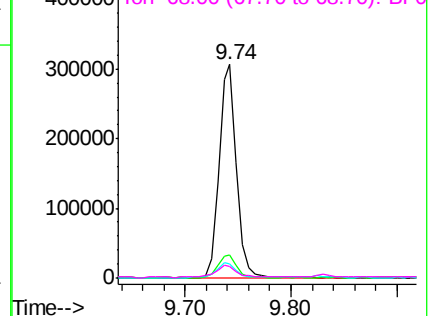
137 10.7 8.5 12.7

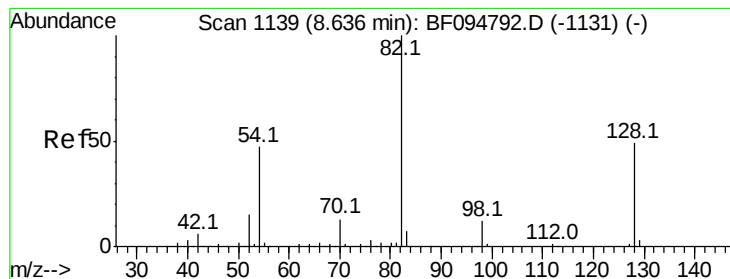
54 6.7 4.9 7.3

68 5.5 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: 7.27 ng

RT: 8.62 min Scan# 1136

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampled :

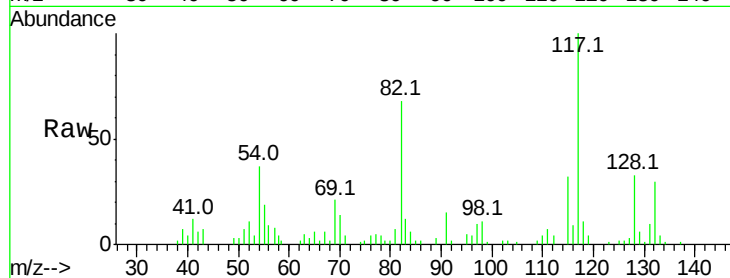
Tot Ion: 82 Resp: 41320

Ion Ratio Lower Upper

82 100

128 47.9 34.0 51.0

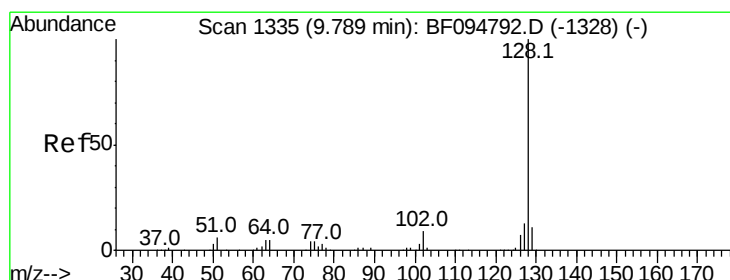
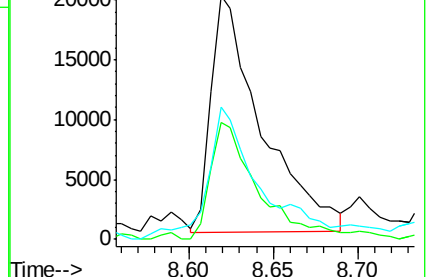
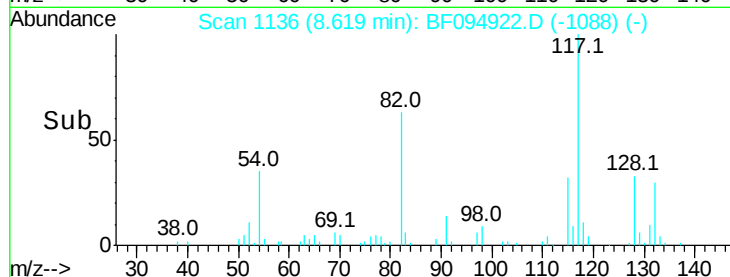
54 54.1 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 3.64 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

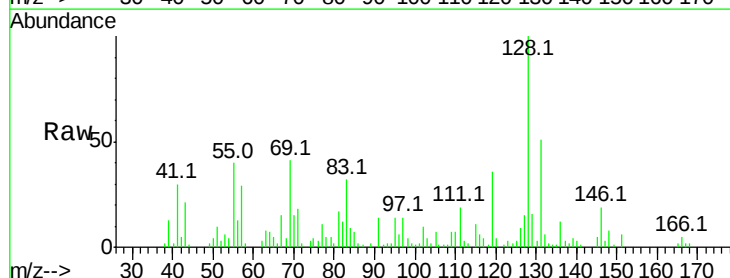
Tgt Ion: 128 Resp: 65636

Ion Ratio Lower Upper

128 100

129 16.0 9.0 13.6#

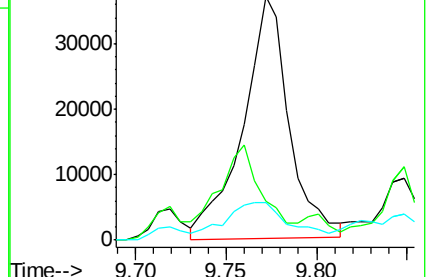
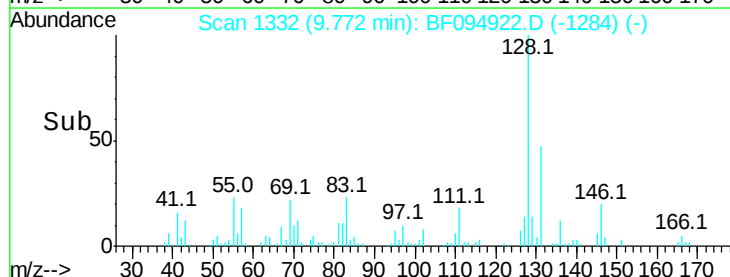
127 15.2 10.8 16.2

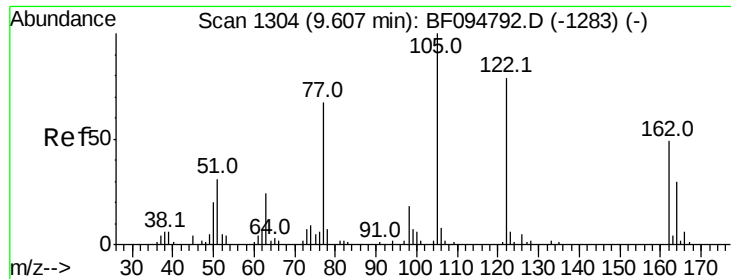


Abundance Ion 128.00 (127.70 to 128.70): BF0

Ion 129.00 (128.70 to 129.70): BF0

Ion 127.00 (126.70 to 127.70): BF0

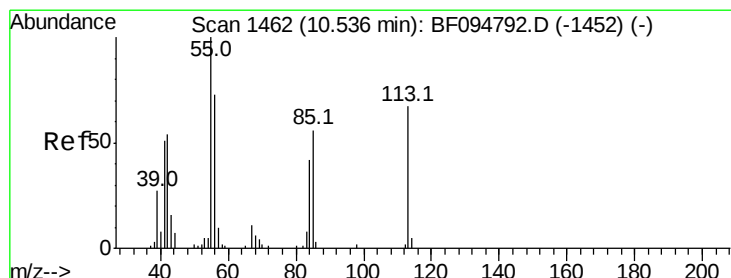
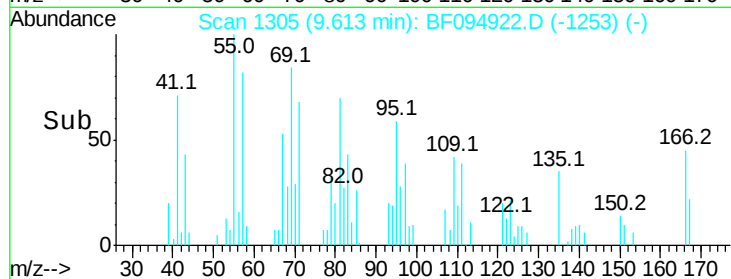
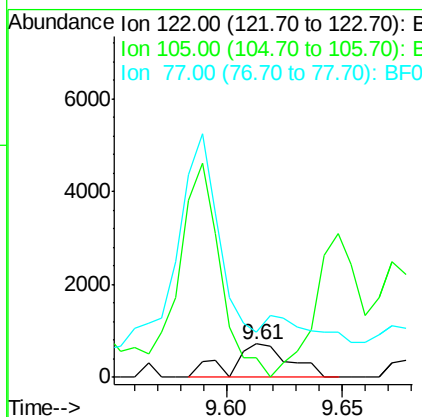
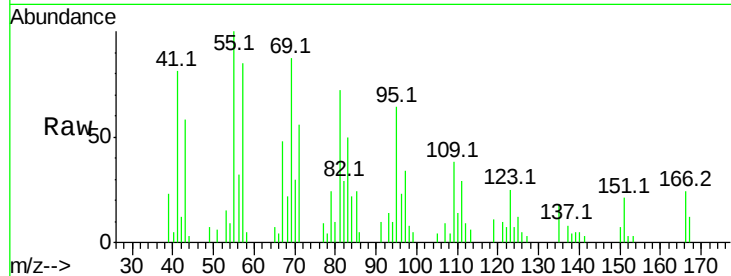




#32
Benzoic acid
Concen: 5.42 ng
RT: 9.61 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

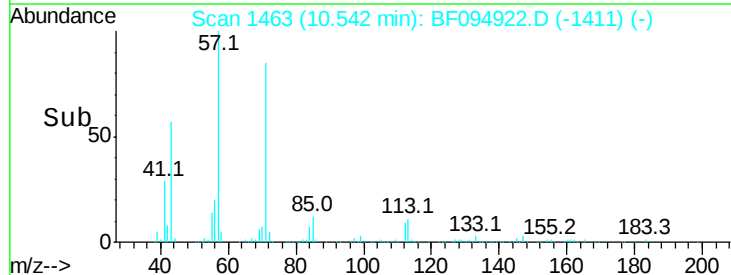
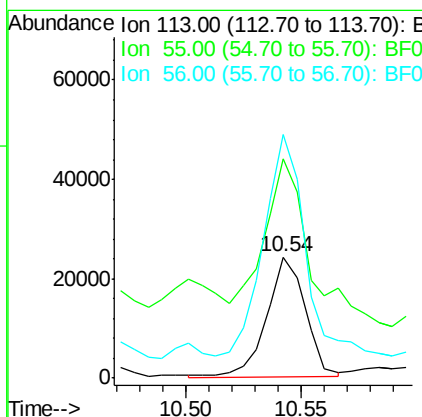
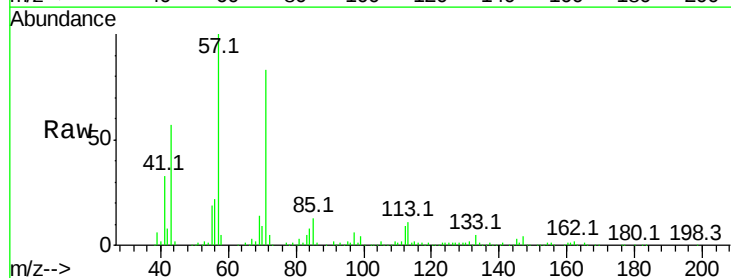
Instrument :
BNA_F
ClientSampleId :

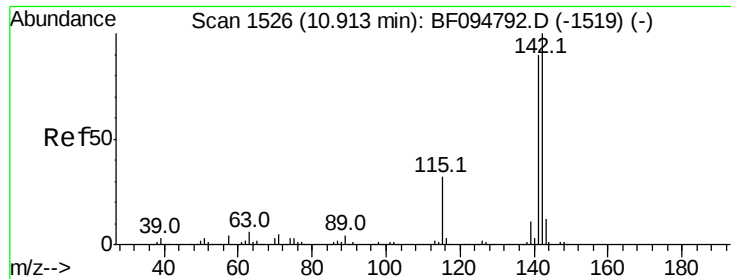
Tot Ion:122 Resp: 1292
Ion Ratio Lower Upper
122 100
105 58.0 103.3 143.3#
77 133.4 73.7 113.7#



#35
Caprolactam
Concen: 19.10 ng
RT: 10.54 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Tgt Ion:113 Resp: 28146
Ion Ratio Lower Upper
113 100
55 181.6 150.2 190.2
56 201.4 107.8 147.8#

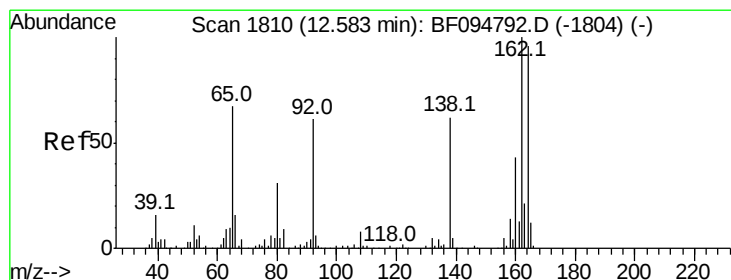
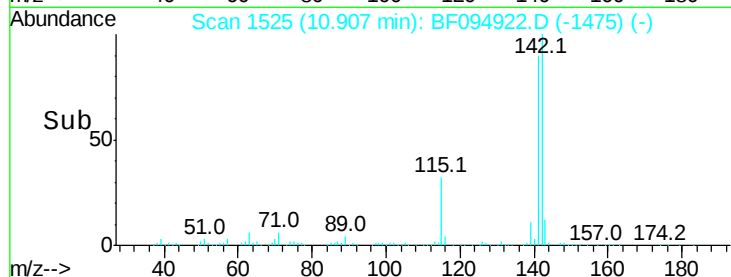
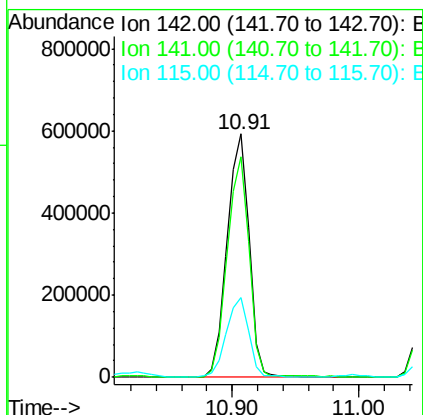
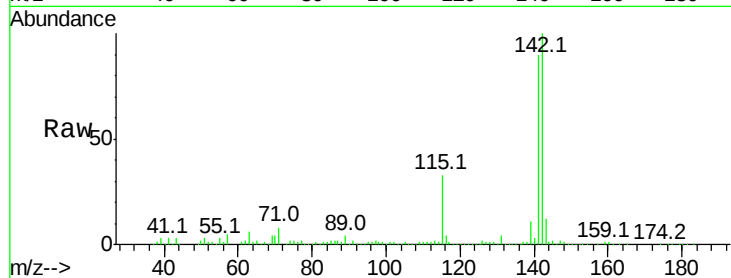




#37
2-Methylnaphthalene
Concen: 60.12 ng
RT: 10.91 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

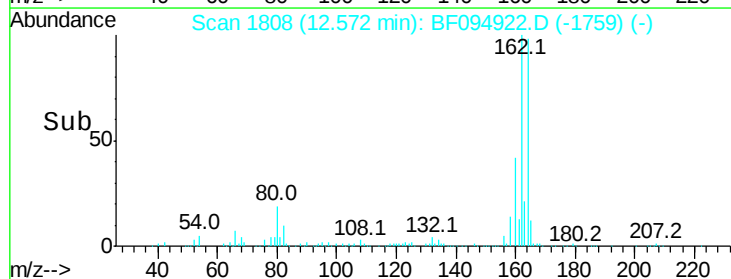
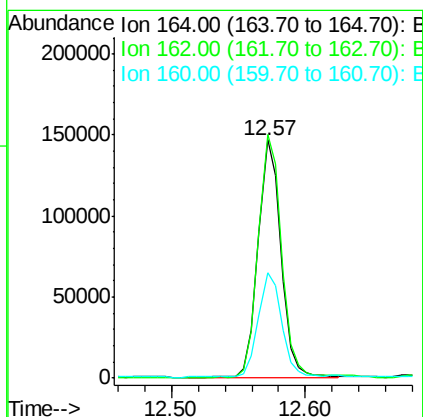
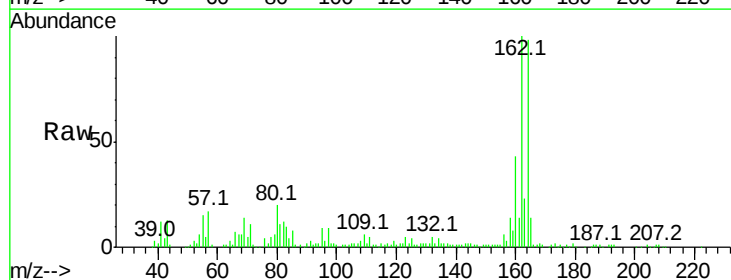
Instrument :
BNA_F
ClientSampleId :

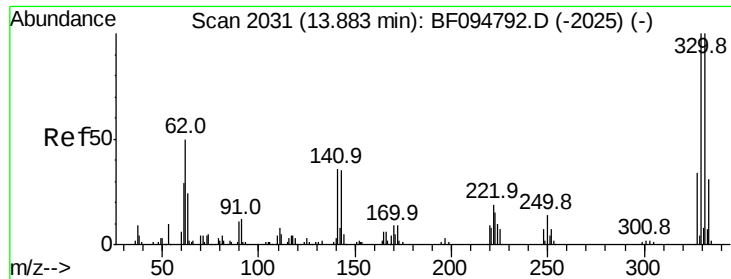
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.3	106.9
115	32.7	27.1	40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	44.1	36.2	54.2

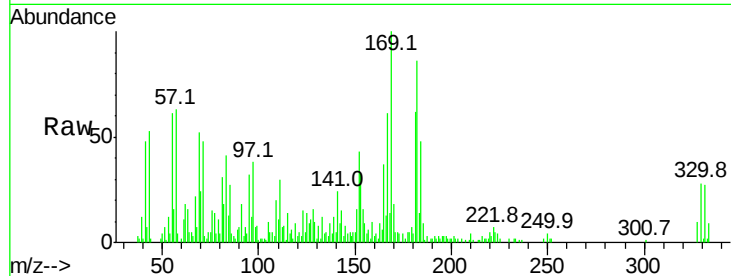




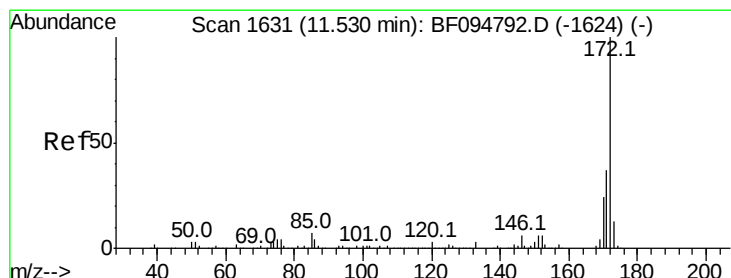
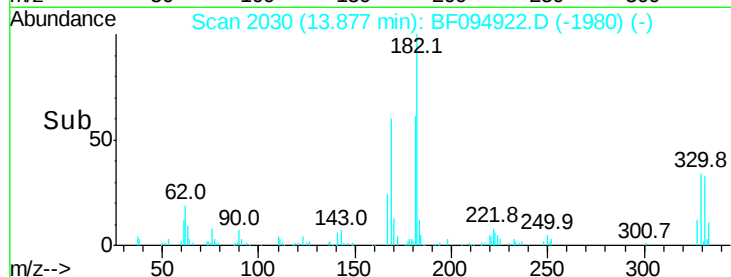
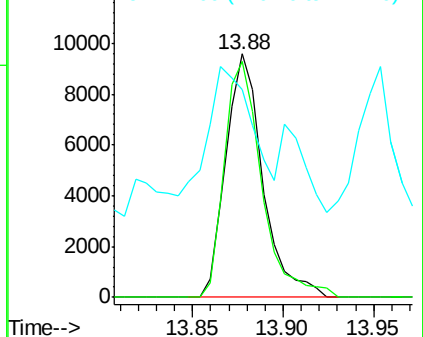
#41
 2,4,6-Tribromophenol
 Concen: 9.66 ng
 RT: 13.88 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13613
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 85.2 31.4 47.2#

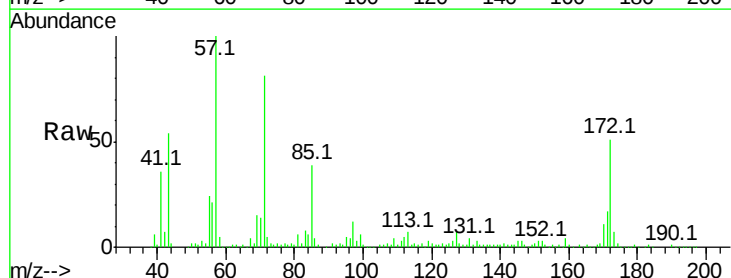


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

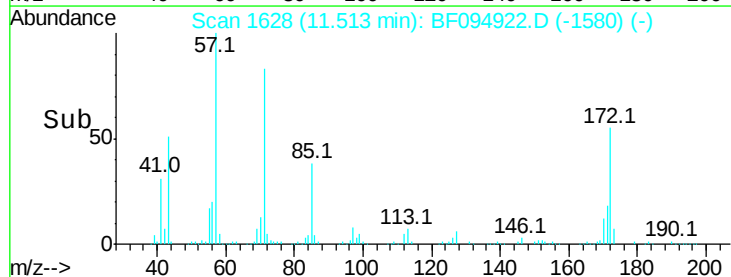
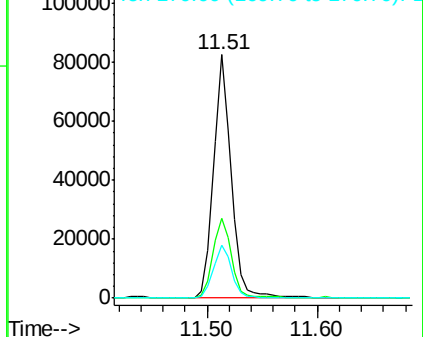


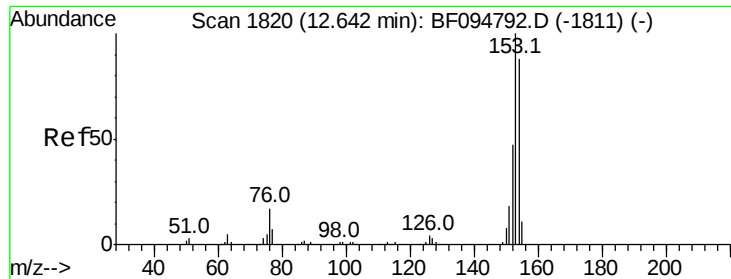
#44
 2-Fluorobiphenyl
 Concen: 7.61 ng
 RT: 11.51 min Scan# 1628
 Delta R.T. -0.02 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

Tgt Ion:172 Resp: 91059
 Ion Ratio Lower Upper
 172 100
 171 33.0 29.6 44.4
 170 21.8 19.8 29.8



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





#51

Acenaphthene

Concen: 3.17 ng

RT: 12.62 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampleId :

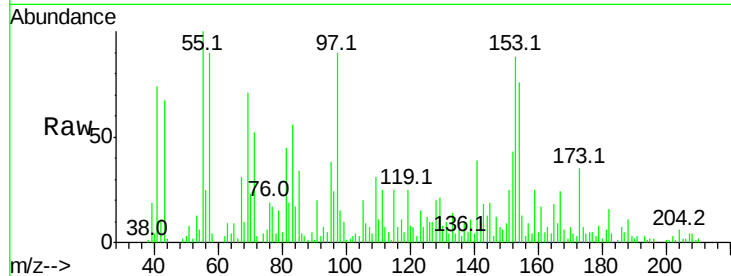
Tot Ion:154 Resp: 34749

Ion Ratio Lower Upper

154 100

153 116.0 90.5 135.7

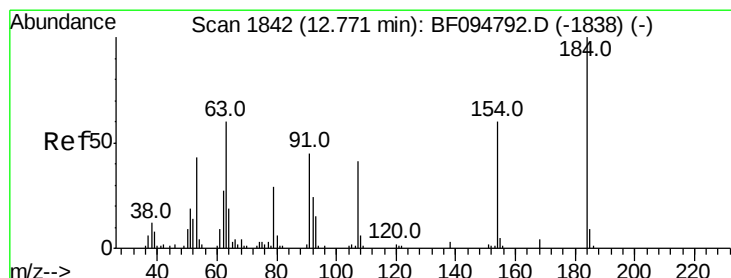
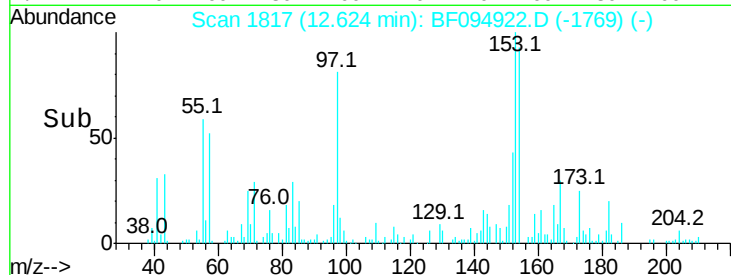
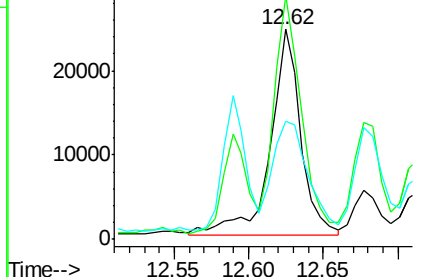
152 56.2 43.6 65.4



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



#53

2,4-Dinitrophenol

Concen: 6.47 ng

RT: 12.92 min Scan# 1868

Delta R.T. 0.15 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

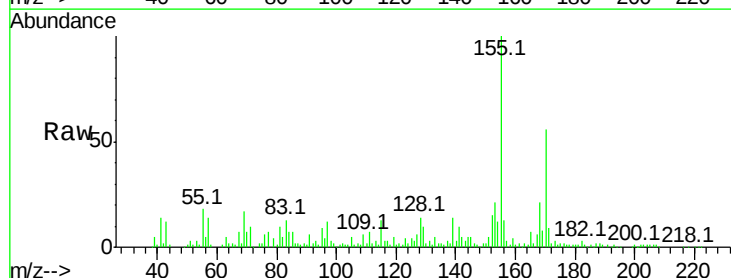
Tgt Ion:184 Resp: 386

Ion Ratio Lower Upper

184 100

63 1237.3 62.7 94.1#

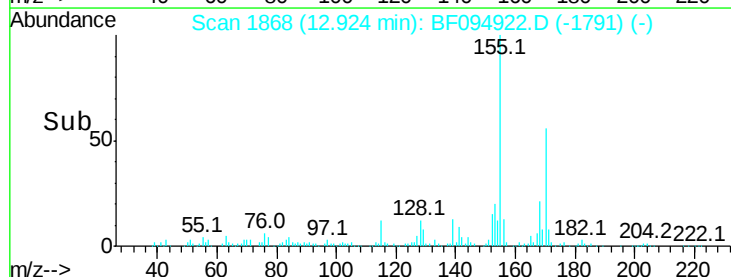
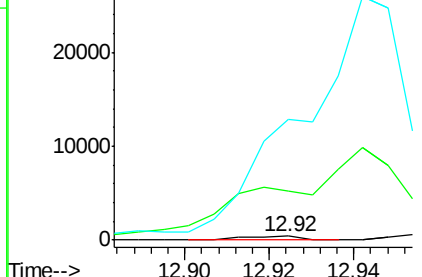
154 3042.7 81.1 121.7#

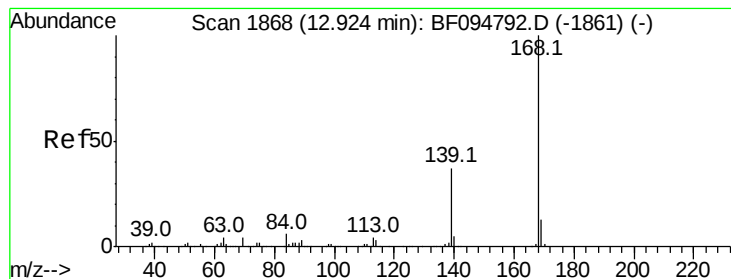


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 3.08 ng

RT: 12.92 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampleId :

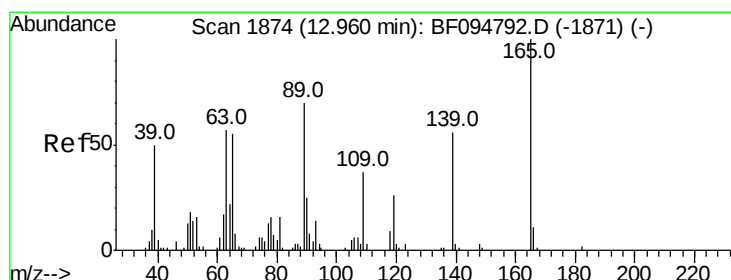
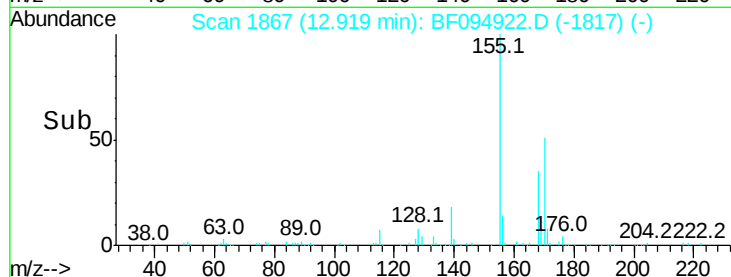
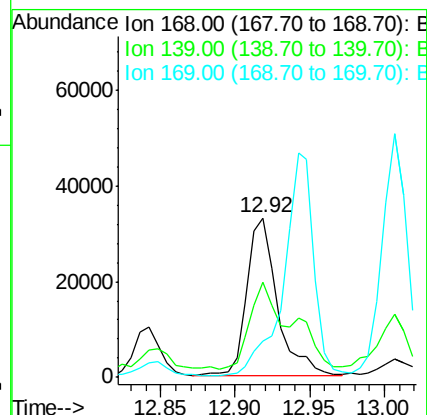
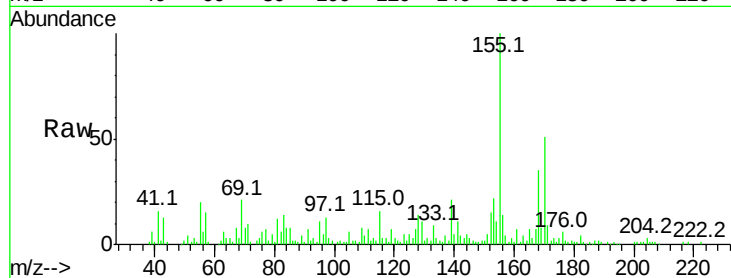
Tot Ion:168 Resp: 46729

Ion Ratio Lower Upper

168 100

139 59.9 30.6 45.8#

169 22.7 10.8 16.2#



#55

4-Nitrophenol

Concen: 8.27 ng

RT: 13.01 min Scan# 1882

Delta R.T. 0.05 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

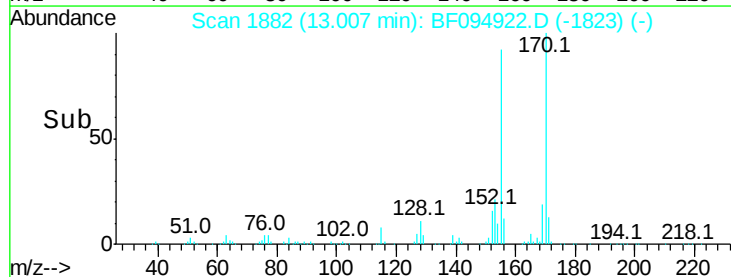
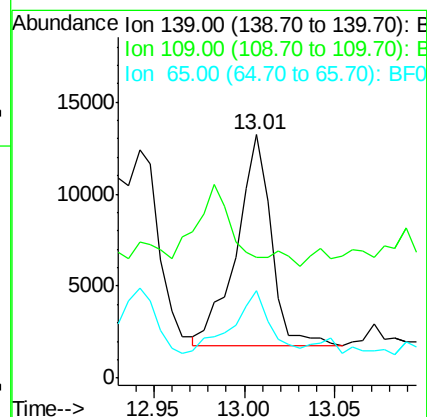
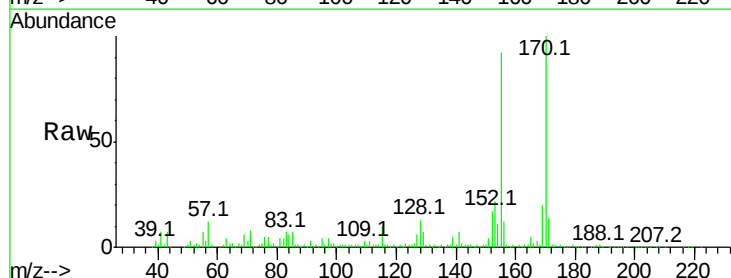
Tgt Ion:139 Resp: 15367

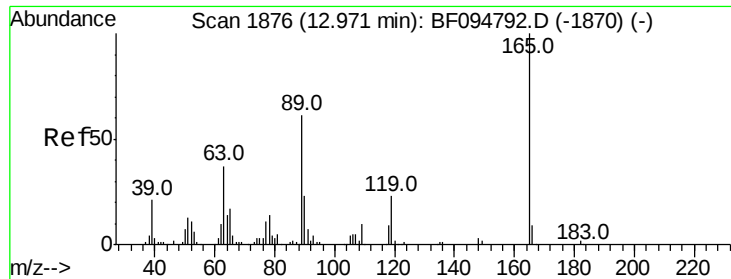
Ion Ratio Lower Upper

139 100

109 49.5 34.1 74.1

65 35.7 31.4 71.4

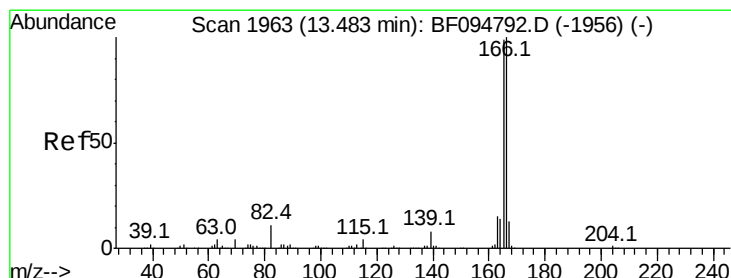
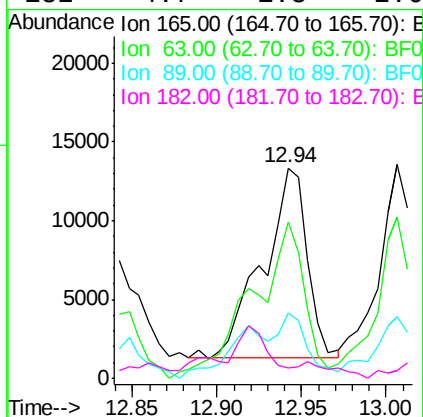
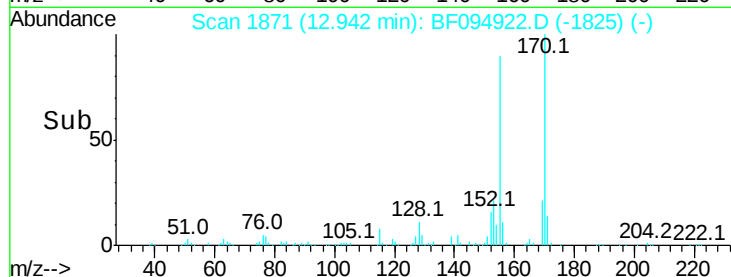
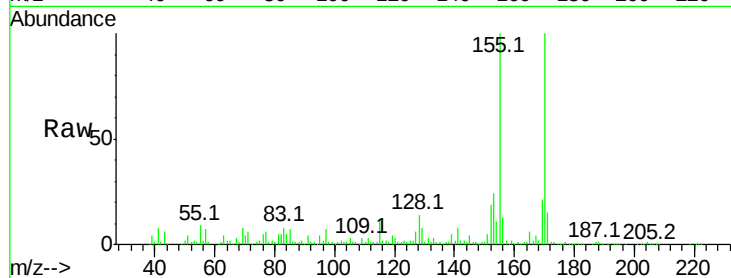




#56
2,4-Dinitrotoluene
Concen: 5.92 ng
RT: 12.94 min Scan# 1871
Delta R.T. -0.03 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

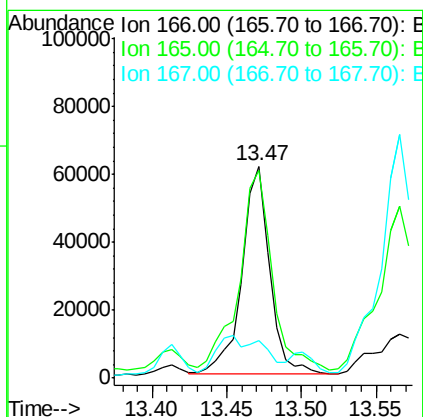
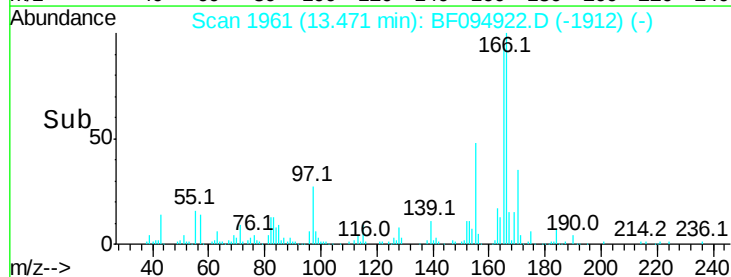
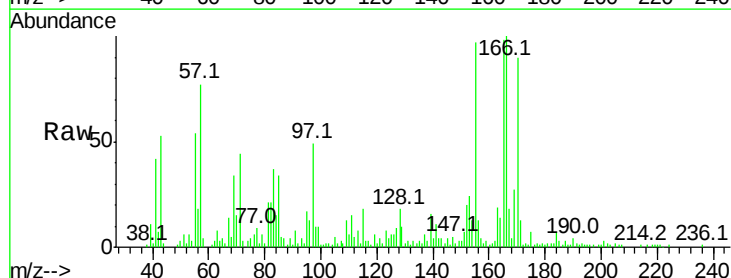
Instrument :
BNA_F
ClientSampleId :

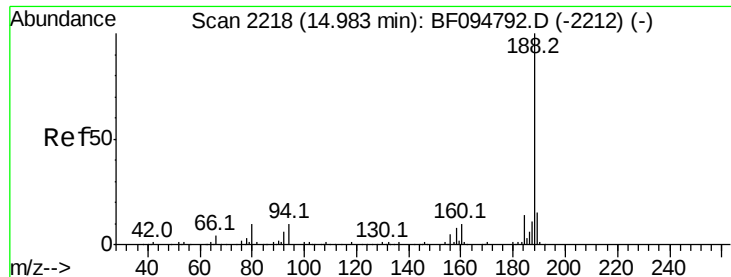
Tot Ion:165 Resp: 21930
Ion Ratio Lower Upper
165 100
63 74.3 25.4 38.0#
89 30.9 46.4 69.6#
182 4.7 1.8 2.6#



#57
Fluorene
Concen: 6.09 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Tgt Ion:166 Resp: 80200
Ion Ratio Lower Upper
166 100
165 97.9 78.8 118.2
167 17.7 10.6 16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampleId :

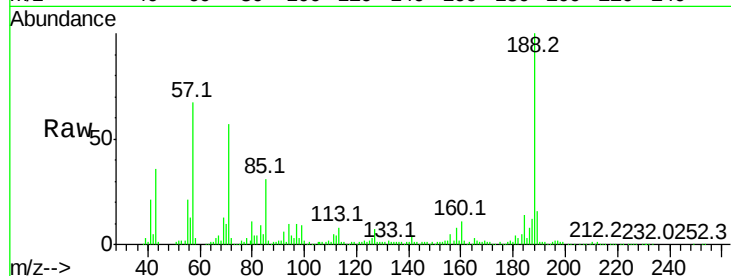
Tot Ion:188 Resp: 287191

Ion Ratio Lower Upper

188 100

94 9.8 9.4 14.2

80 10.9 10.2 15.2

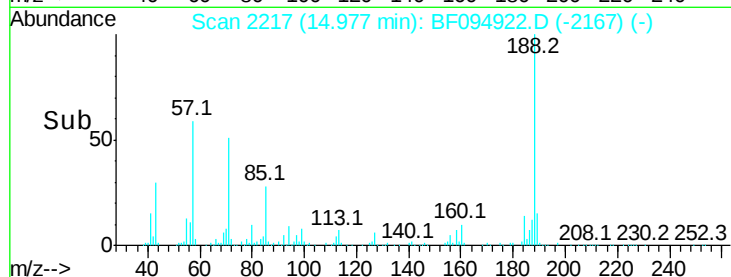


Abundance Ion 188.00 (187.70 to 188.70): E

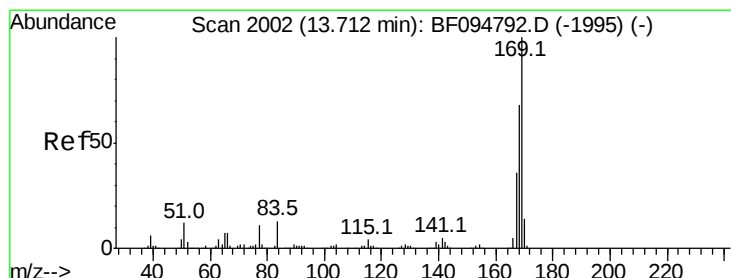
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#65

n-Nitrosodiphenylamine

Concen: 9.31 ng

RT: 13.69 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

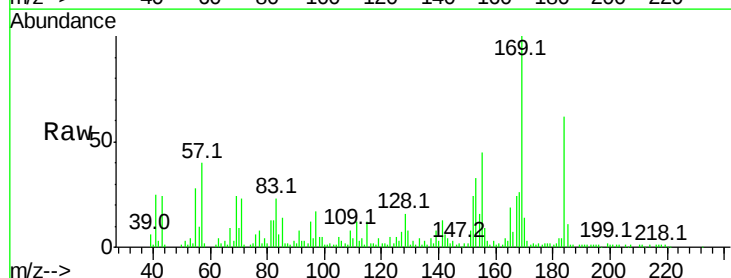
Tgt Ion:169 Resp: 97055

Ion Ratio Lower Upper

169 100

168 26.3 53.2 79.8#

167 23.6 29.5 44.3#

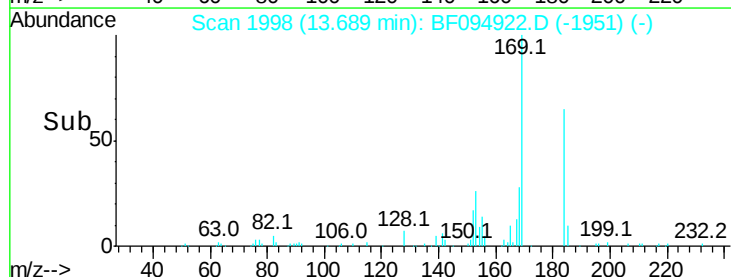


Abundance Ion 169.00 (168.70 to 169.70): E

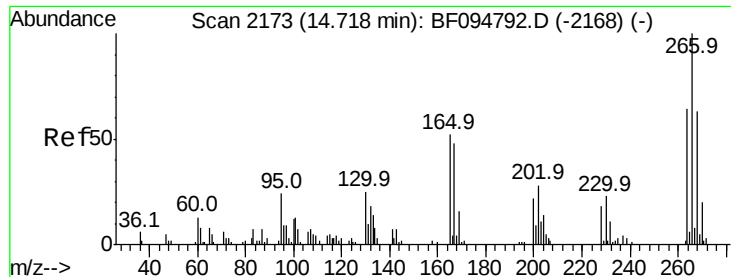
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



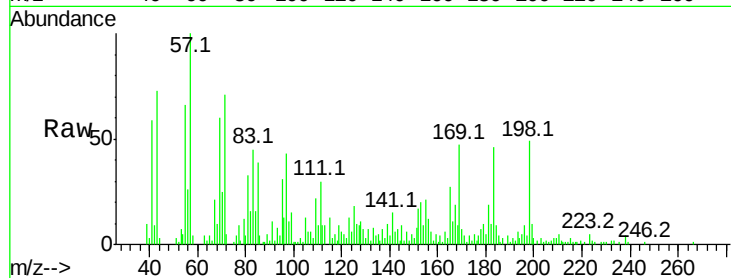
Time-->



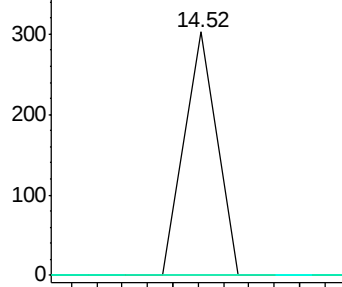
#69
 Pentachlorophenol
 Concen: 5.93 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. -0.19 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

Instrument :
 BNA_F
 ClientSampleId :

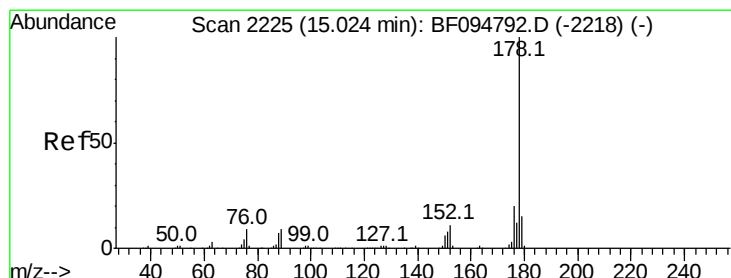
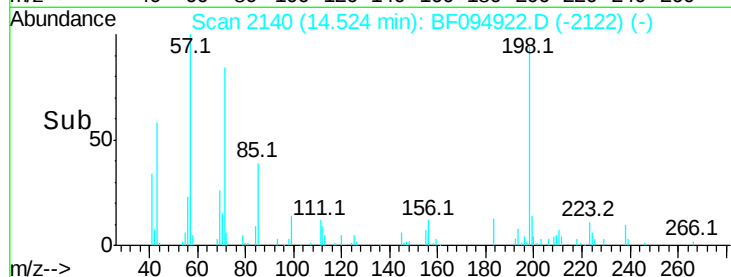
Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	0.0	51.7	77.5#



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

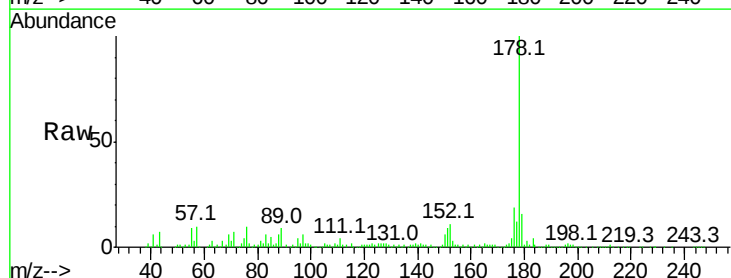


Time-->

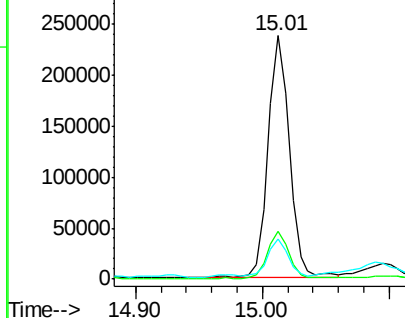


#70
 Phenanthrene
 Concen: 17.07 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

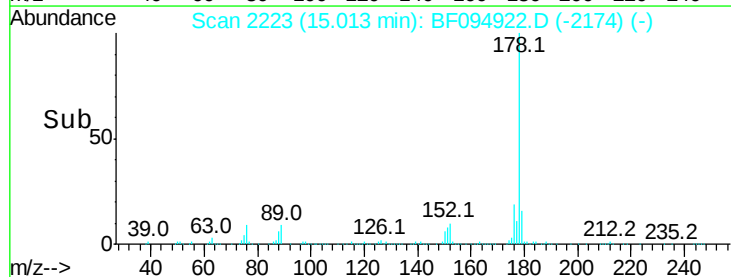
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.2	24.4
179	16.5	12.6	19.0

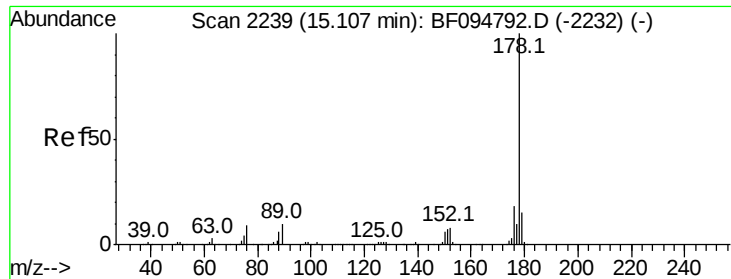


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->

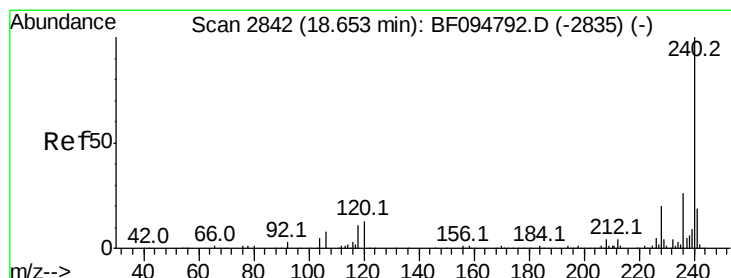
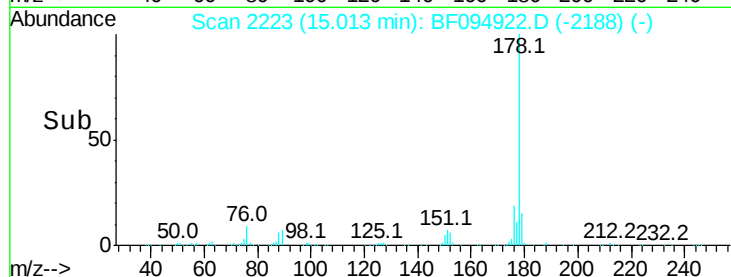
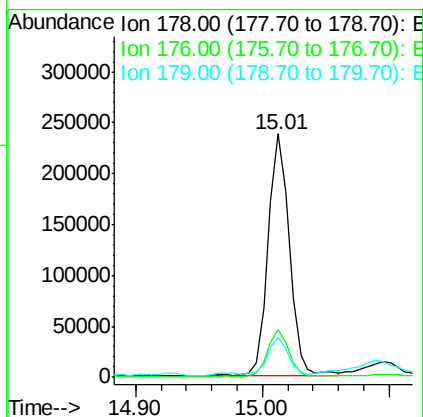
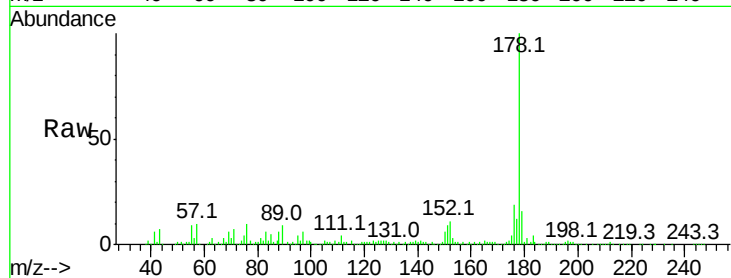




#71
 Anthracene
 Concen: 16.71 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.09 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

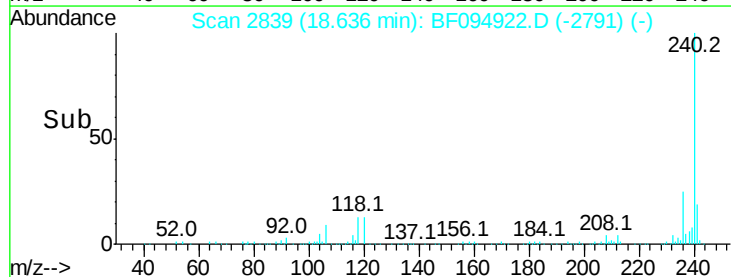
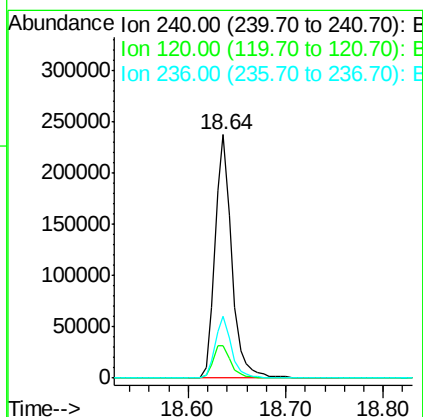
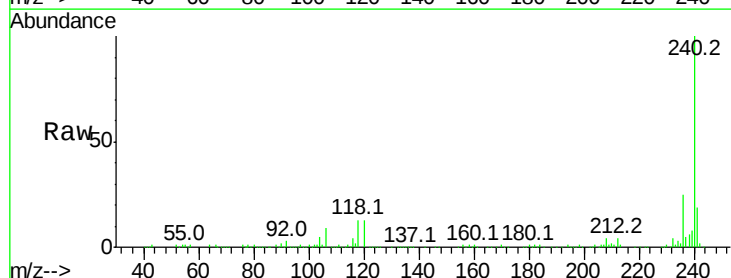
Instrument :
 BNA_F
 ClientSampleId :

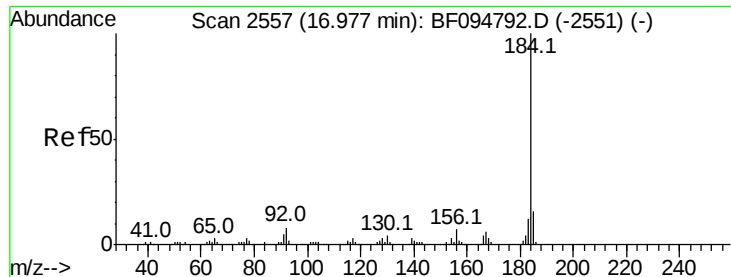
Tot Ion:178 Resp: 281644
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 16.5 12.7 19.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094922.D
 Acq: 5 May 2017 18:00

Tgt Ion:240 Resp: 281653
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.8 8.8#
 236 25.3 20.5 30.7





#76

Benzidine

Concen: 6.62 ng

RT: 16.95 min Scan# 2553

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

Instrument :

BNA_F

ClientSampled :

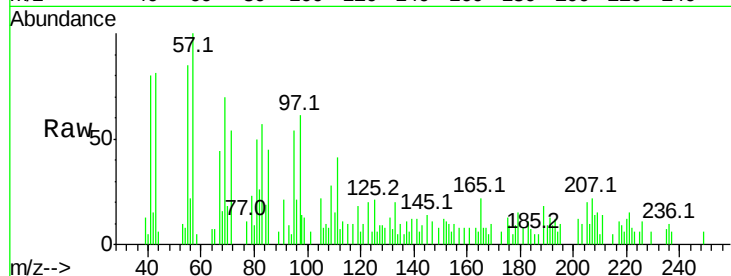
Tot Ion:184 Resp: 276

Ion Ratio Lower Upper

184 100

185 74.5 15.5 23.3#

183 154.5 9.8 14.6#

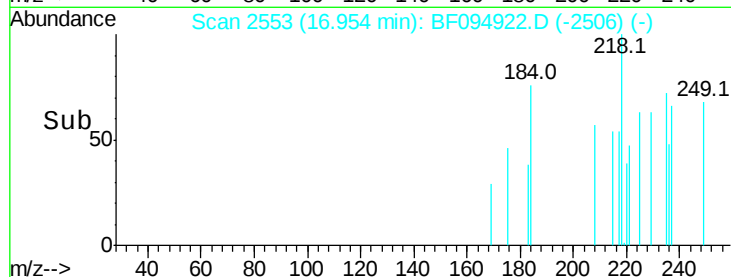


Abundance Ion 184.00 (183.70 to 184.70): E

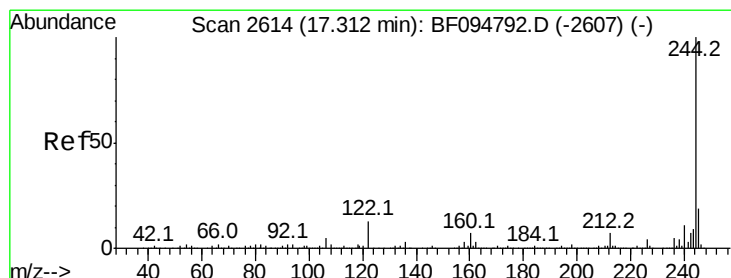
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 6.53 ng

RT: 17.29 min Scan# 2611

Delta R.T. -0.02 min

Lab File: BF094922.D

Acq: 5 May 2017 18:00

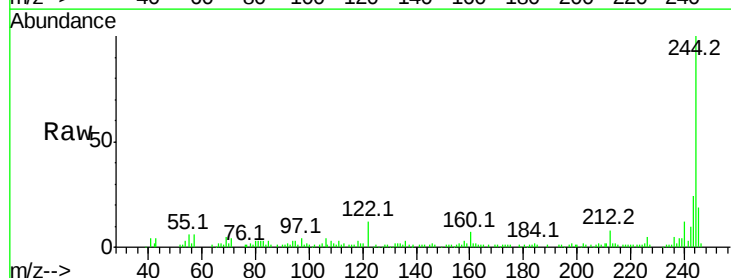
Tgt Ion:244 Resp: 83462

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 12.2 10.3 15.5

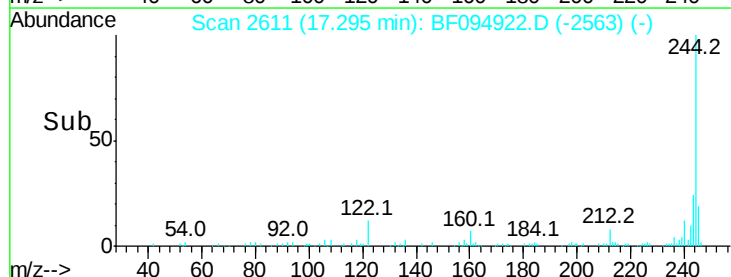


Abundance Ion 244.00 (243.70 to 244.70): E

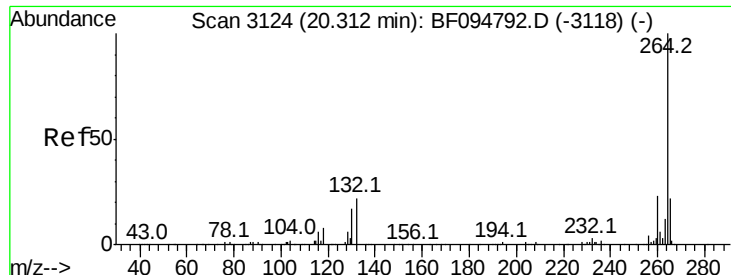
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



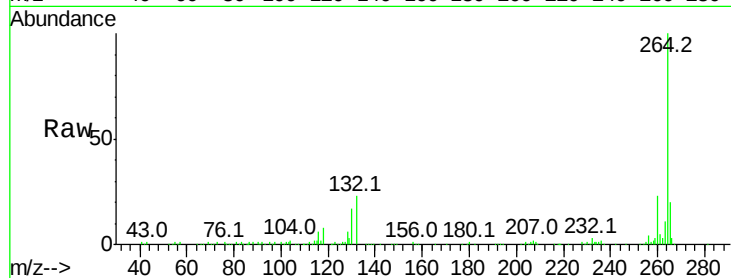
Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF094922.D
Acq: 5 May 2017 18:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	192366
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.2	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

