

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\
 Data File : BF094655.D
 Acq On : 26 Apr 2017 19:02
 Operator : SJ/MA
 Sample : I2821-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 01:24:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

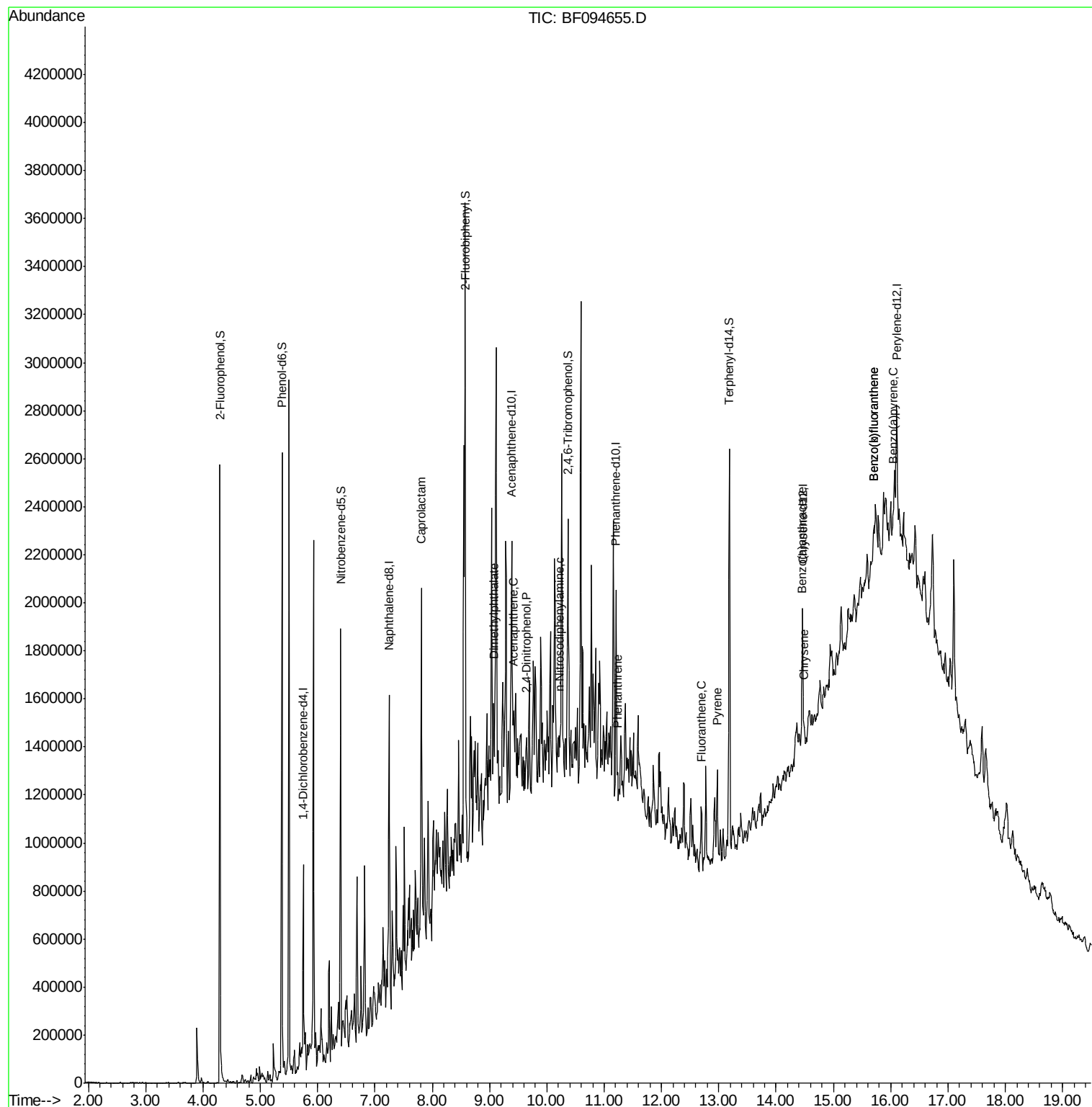
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	126756	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	498278	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	209698	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	352597	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	259957	20.00	ng	0.00
86) Perylene-d12	16.10	264	218805	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	779546	102.03	ng	0.00
7) Phenol-d6	5.38	99	980558	108.87	ng	-0.01
23) Nitrobenzene-d5	6.40	82	594526	73.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	178879	109.06	ng	0.00
44) 2-Fluorobiphenyl	8.57	172	971769	68.18	ng	-0.01
78) Terphenyl-d14	13.18	244	705439	72.53	ng	-0.01
Target Compounds						
35) Caprolactam	7.81	113	27880	12.86	ng	# 3
49) Dimethylphthalate	9.07	163	149281	9.55	ng	# 99
51) Acenaphthene	9.42	154	36833	2.90	ng	# 91
53) 2,4-Dinitrophenol	9.64	184	616	6.06	ng	# 1
65) n-Nitrosodiphenylamine	10.22	169	95941	7.82	ng	# 36
70) Phenanthrene	11.24	178	50872	2.56	ng	# 81
74) Fluoranthene	12.70	202	134167	6.52	ng	# 98
77) Pyrene	12.97	202	186992	10.30	ng	# 96
80) Benzo(a)anthracene	14.45	228	42199	2.79	ng	# 84
82) Chrysene	14.49	228	43004	3.11	ng	# 82
87) Benzo(b)fluoranthene	15.70	252	62137	4.64	ng	# 17
88) Benzo(k)fluoranthene	15.70	252	62137	4.91	ng	# 17
89) Benzo(a)pyrene	16.04	252	32779	2.63	ng	# 1

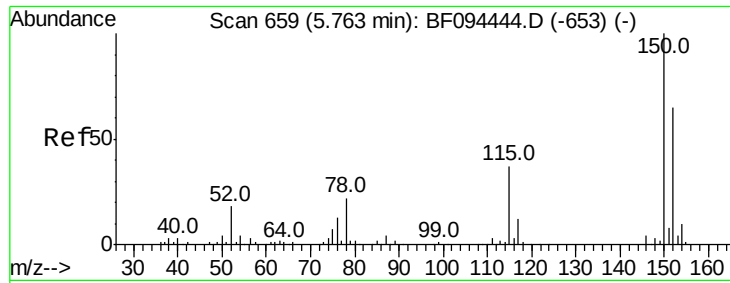
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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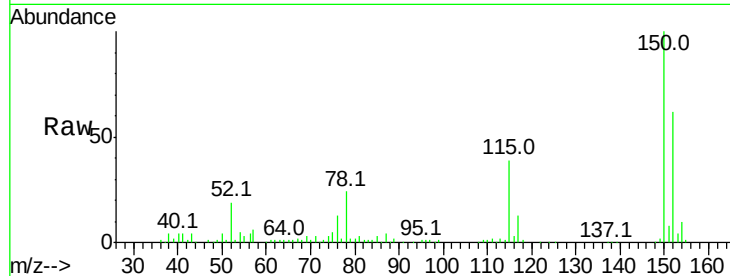


#1

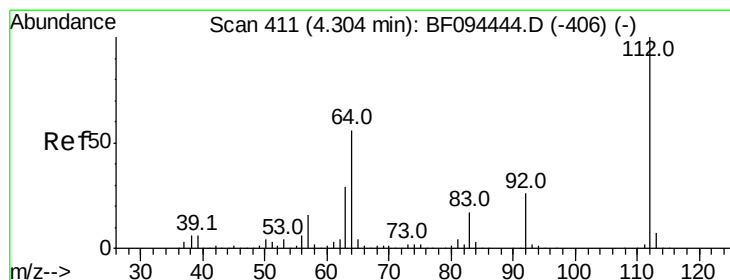
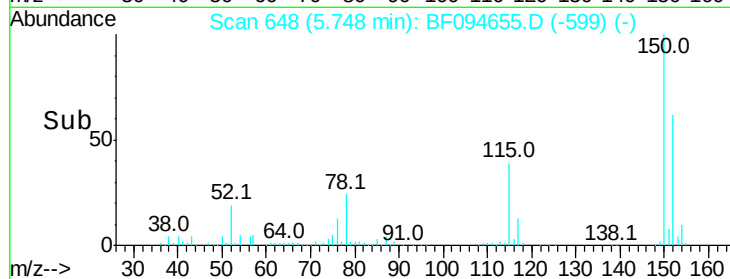
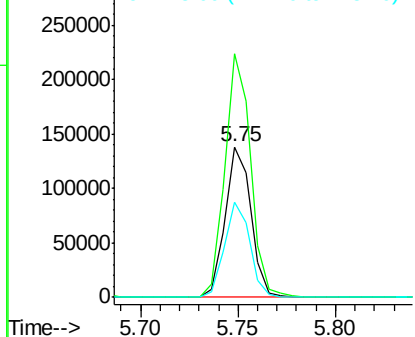
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 126756
Ion Ratio Lower Upper
152 100
150 162.1 126.2 189.2
115 63.0 52.2 78.2



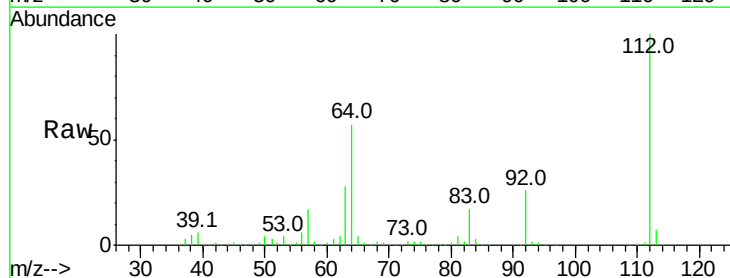
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



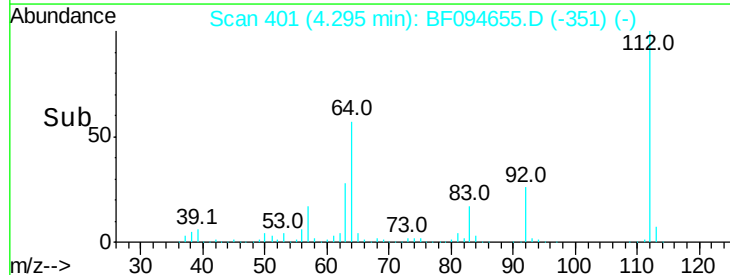
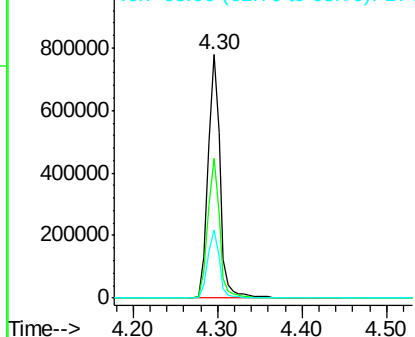
#5

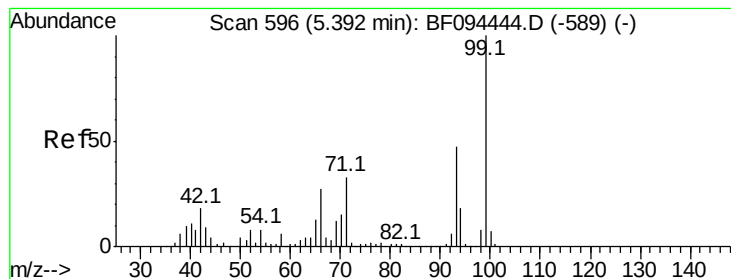
2-Fluorophenol
Concen: 102.03 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion:112 Resp: 779546
Ion Ratio Lower Upper
112 100
64 57.3 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: 108.87 ng

RT: 5.38 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :

BNA_F

ClientSampleId :

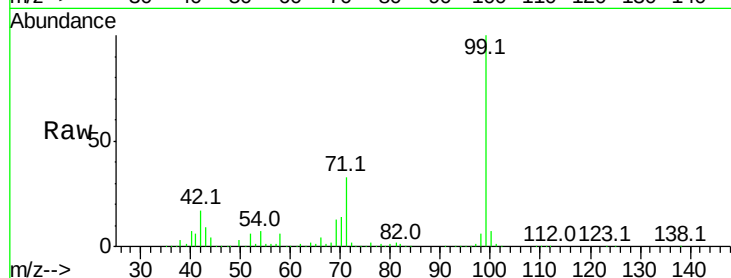
Tot Ion: 99 Resp: 980558

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

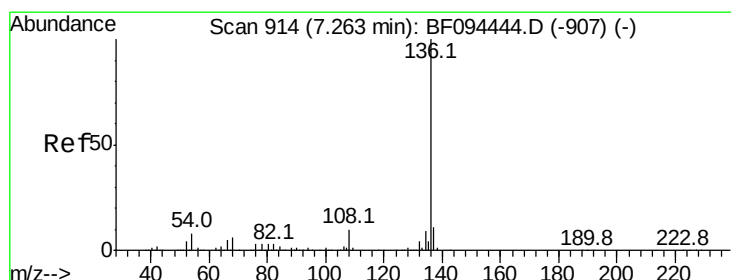
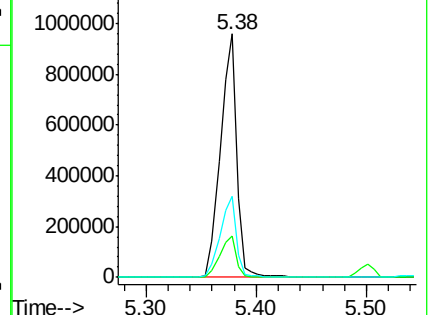
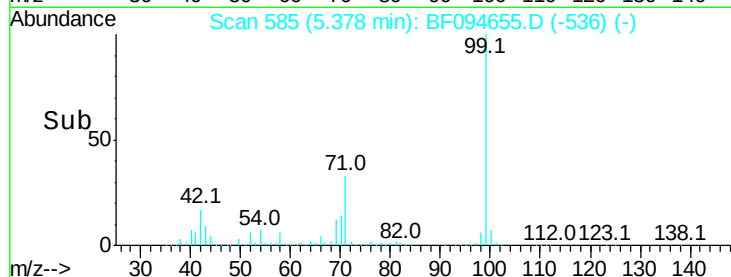
71 33.2 24.5 36.7



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: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Tgt Ion: 136 Resp: 498278

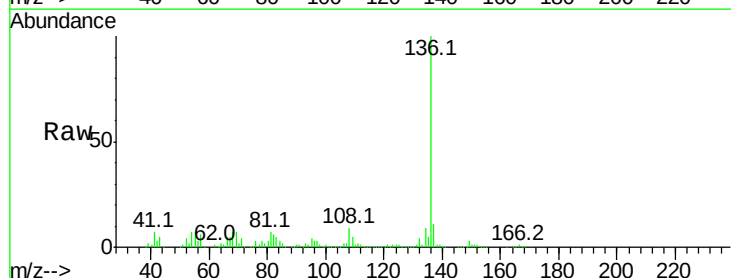
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.5 4.9 7.3#

68 6.7 4.1 6.1#

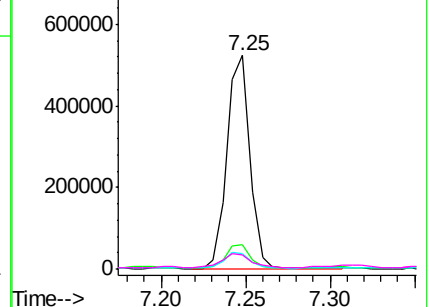
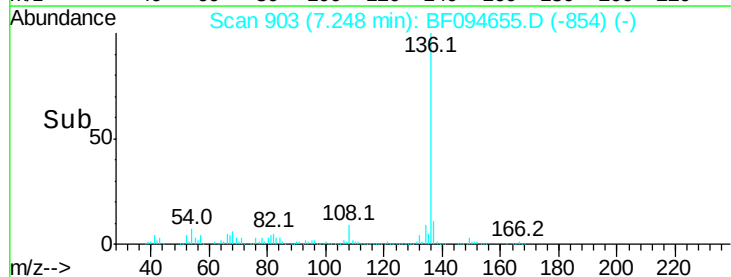


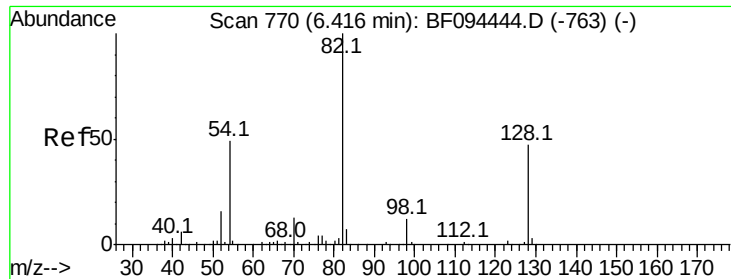
Abundance Ion 136.00 (135.70 to 136.70): E

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

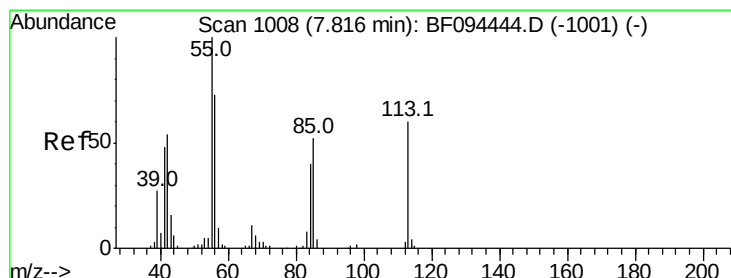
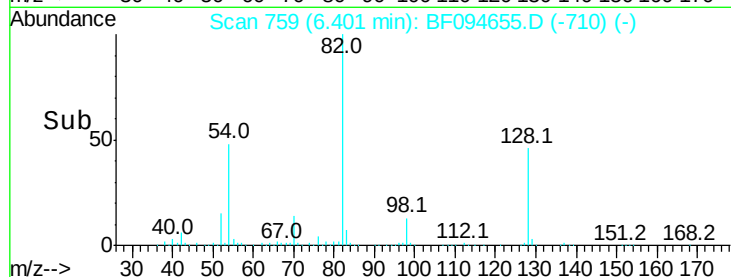
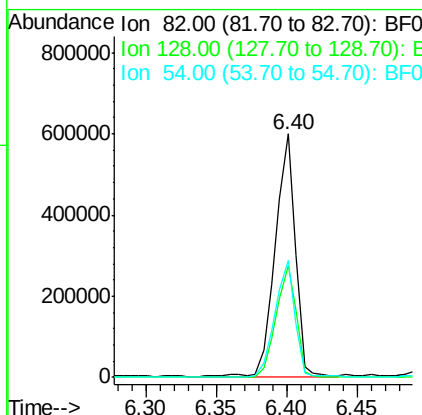
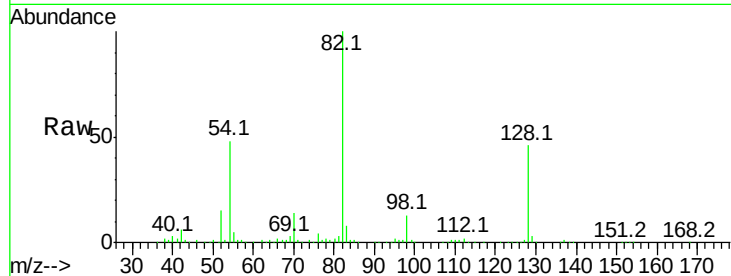




#23
Nitrobenzene-d5
Concen: 73.68 ng
RT: 6.40 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

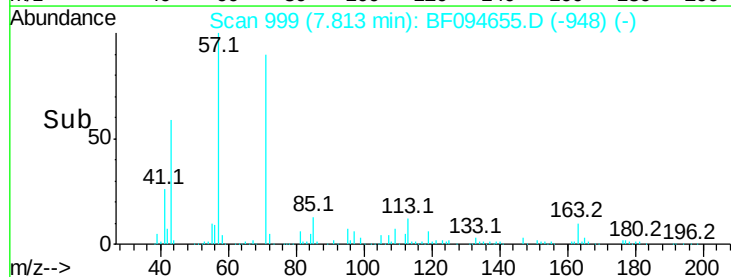
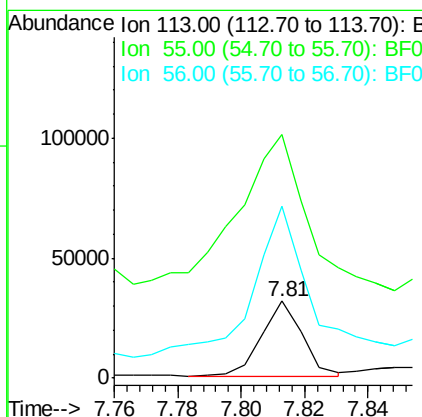
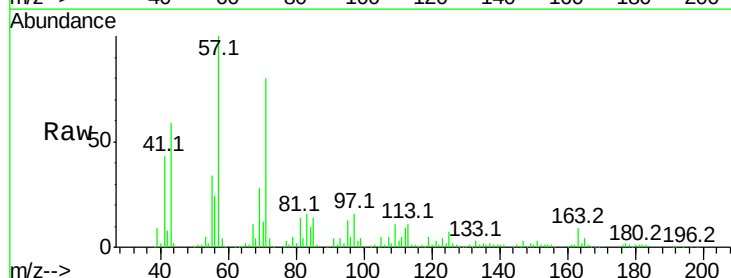
Instrument :
BNA_F
ClientSampleId :

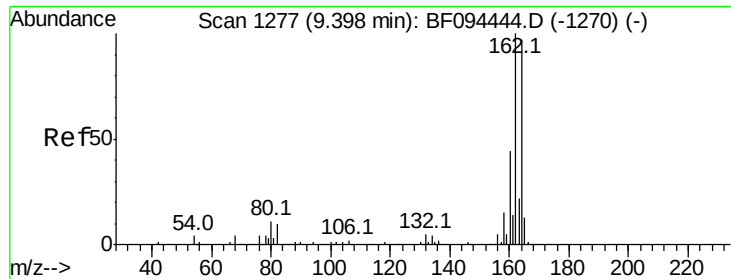
Tot Ion: 82 Resp: 594526
Ion Ratio Lower Upper
82 100
128 46.0 34.0 51.0
54 47.9 42.2 63.2



#35
Caprolactam
Concen: 12.86 ng
RT: 7.81 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion: 113 Resp: 27880
Ion Ratio Lower Upper
113 100
55 316.9 150.2 190.2#
56 224.3 107.8 147.8#

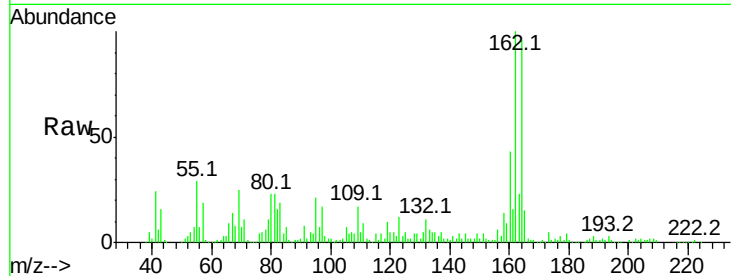




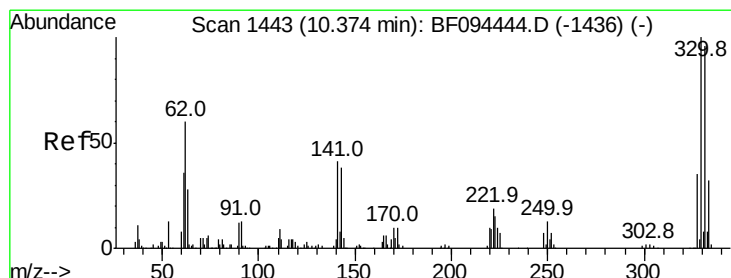
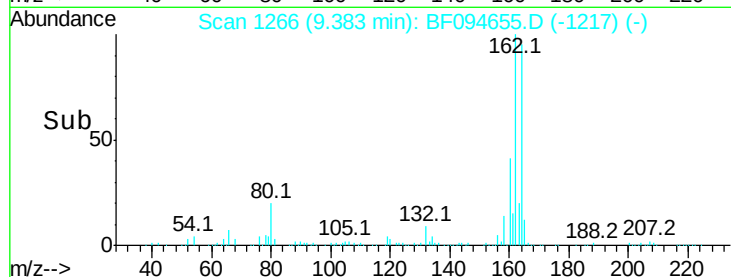
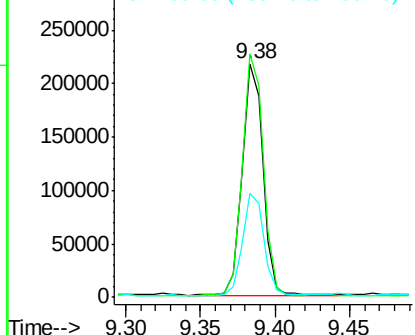
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 209698
Ion Ratio Lower Upper
164 100
162 104.3 82.6 123.8
160 44.4 36.2 54.2

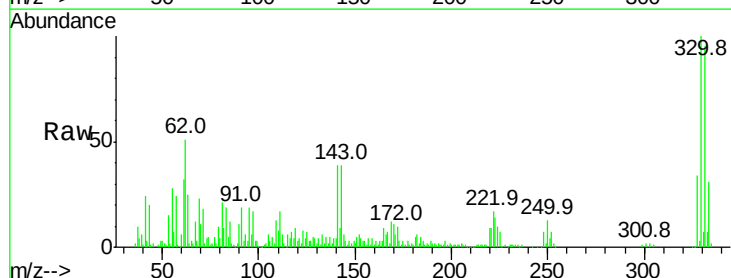


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

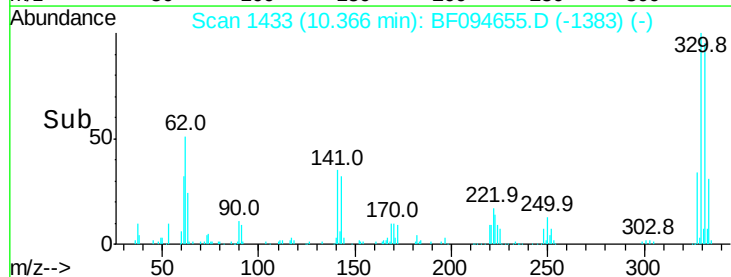
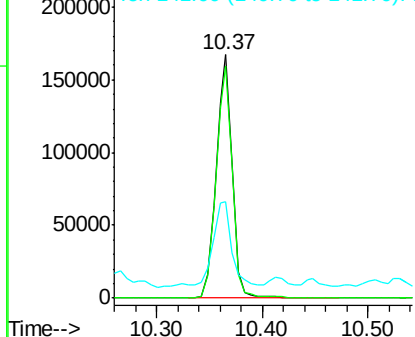


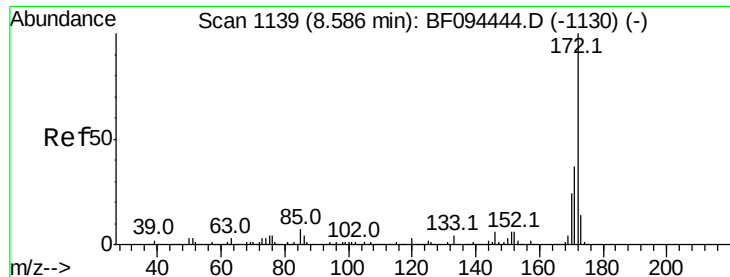
#41
2,4,6-Tribromophenol
Concen: 109.06 ng
RT: 10.37 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion:330 Resp: 178879
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 38.6 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

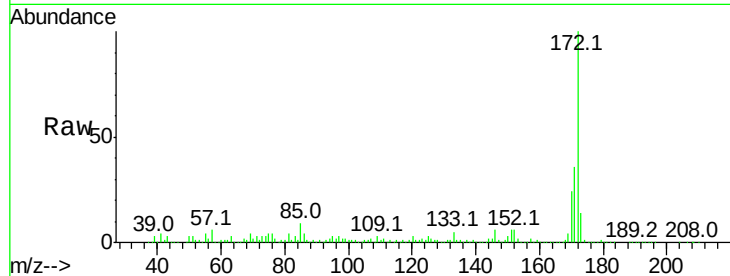




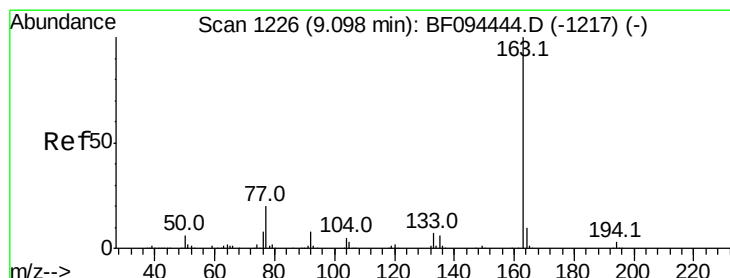
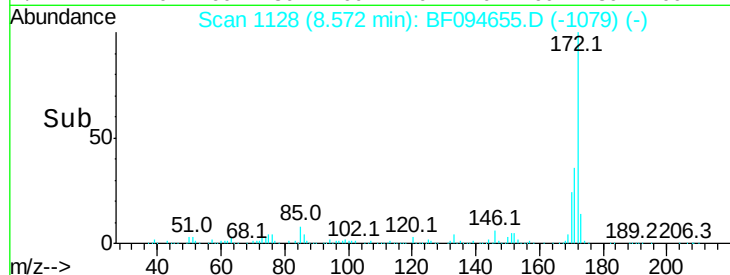
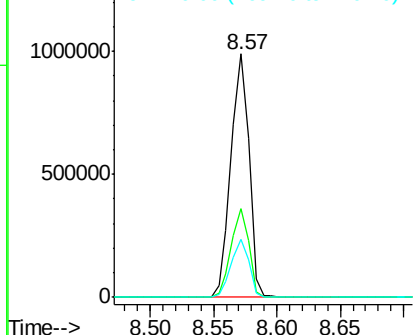
#44
2-Fluorobiphenyl
Concen: 68.18 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 971769
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.0 19.8 29.8

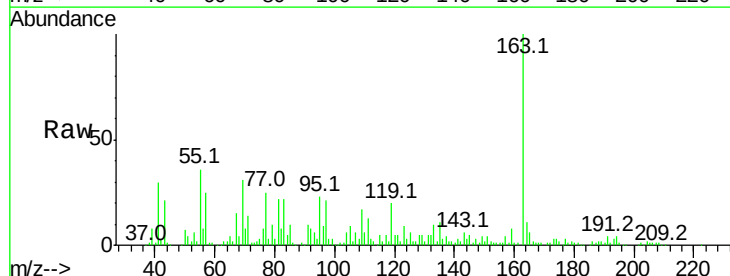


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

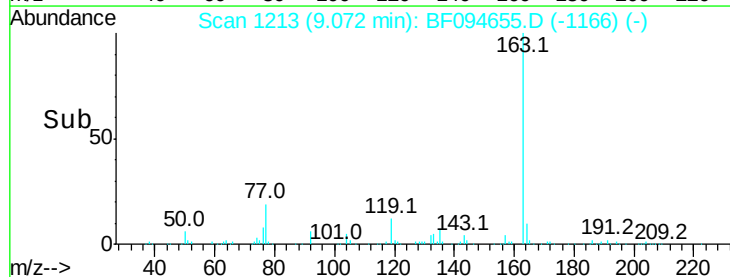
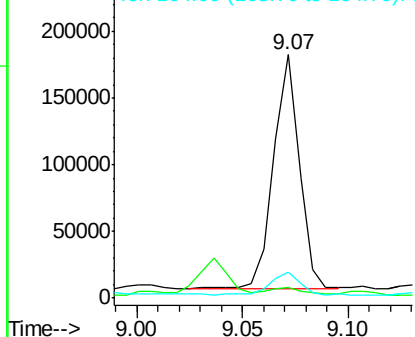


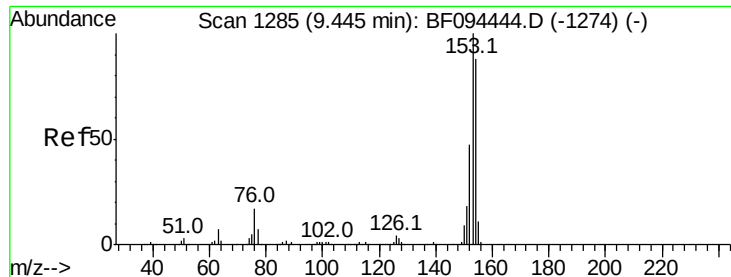
#49
Dimethylphthalate
Concen: 9.55 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion:163 Resp: 149281
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 10.8 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: 2.90 ng

RT: 9.42 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :

BNA_F

ClientSampleId :

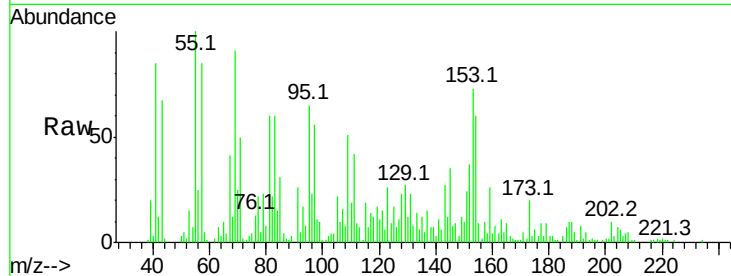
Tot Ion:154 Resp: 36833

Ion Ratio Lower Upper

154 100

153 121.3 90.5 135.7

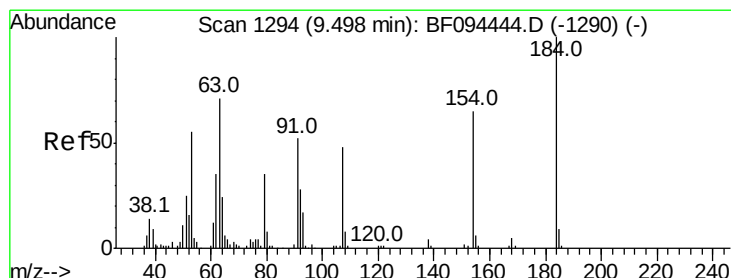
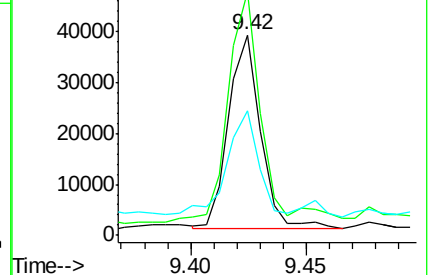
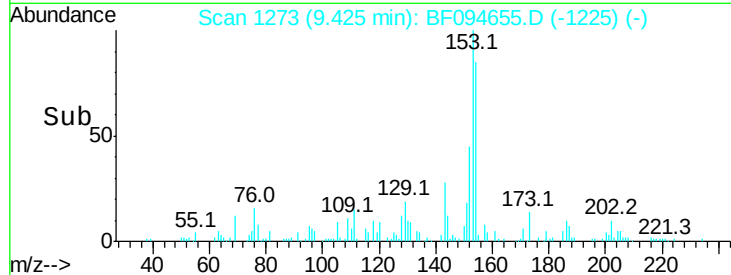
152 62.2 43.6 65.4



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: 6.06 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.14 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

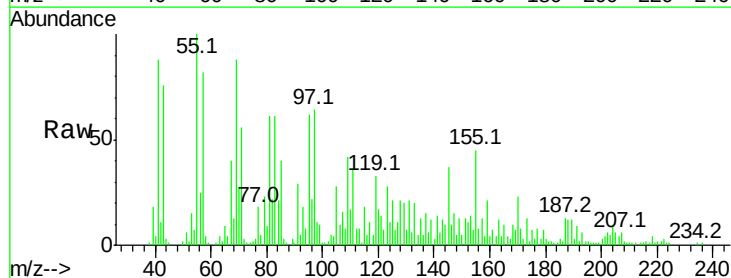
Tgt Ion:184 Resp: 616

Ion Ratio Lower Upper

184 100

63 345.5 62.7 94.1#

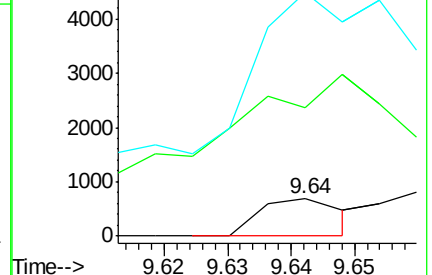
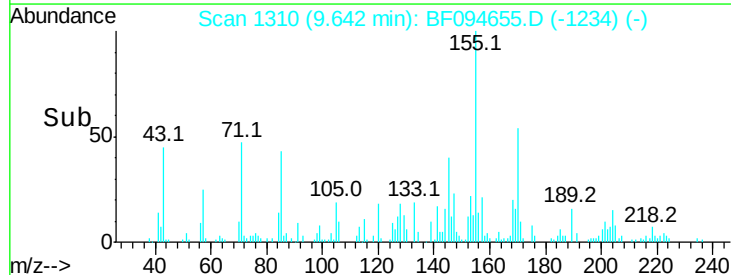
154 654.1 81.1 121.7#

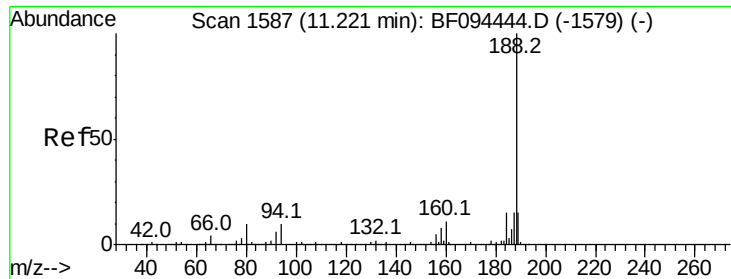


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

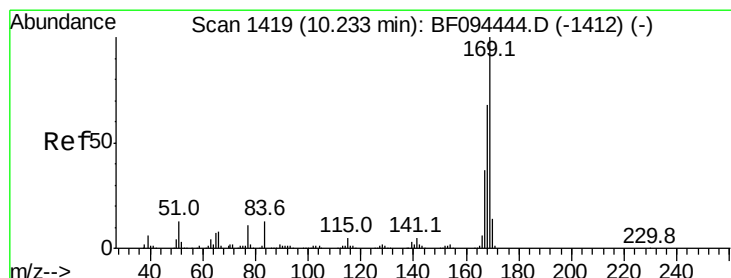
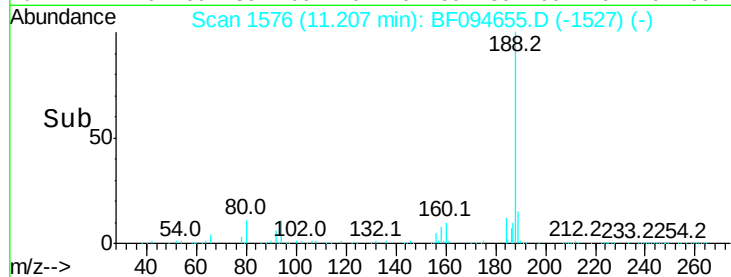
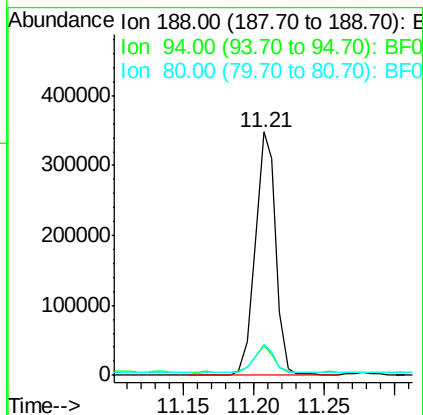
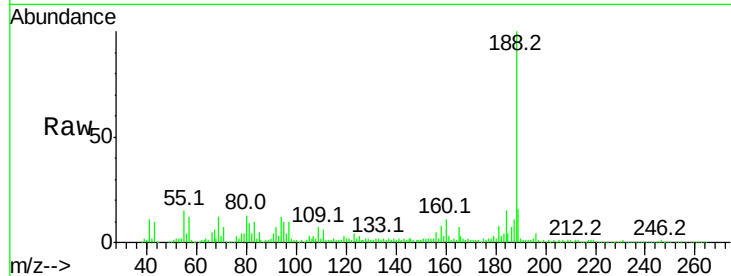




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

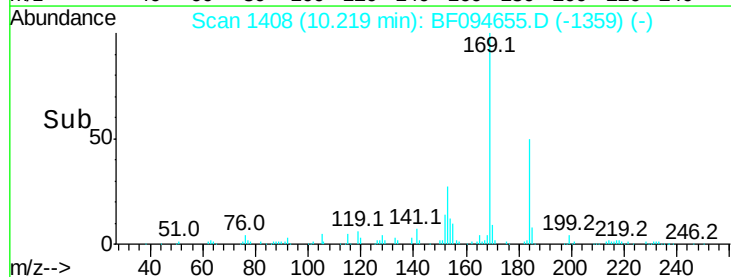
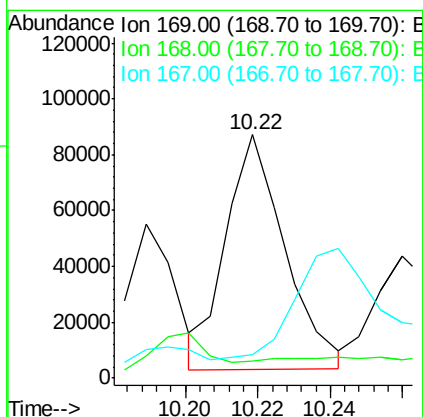
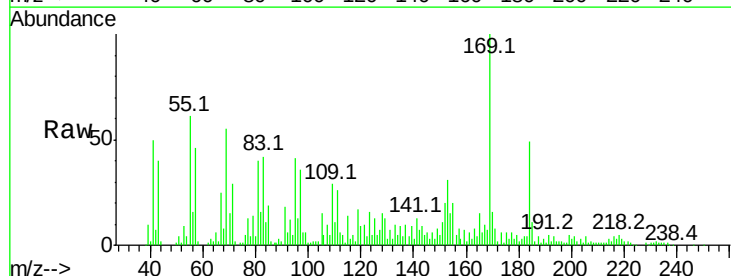
Instrument :
BNA_F
ClientSampleId :

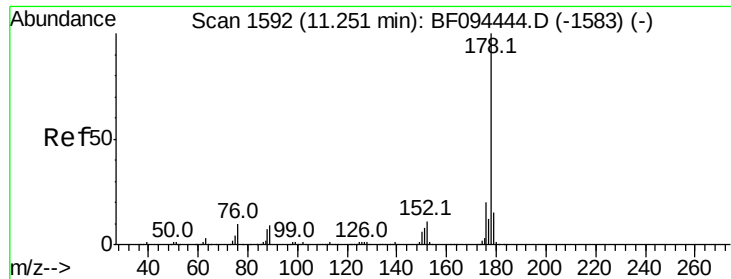
Tot Ion:188 Resp: 352597
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 12.6 10.2 15.2



#65
n-Nitrosodiphenylamine
Concen: 7.82 ng
RT: 10.22 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion:169 Resp: 95941
Ion Ratio Lower Upper
169 100
168 6.8 53.2 79.8#
167 9.7 29.5 44.3#





#70

Phenanthrene

Concen: 2.56 ng

RT: 11.24 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :

BNA_F

ClientSampled :

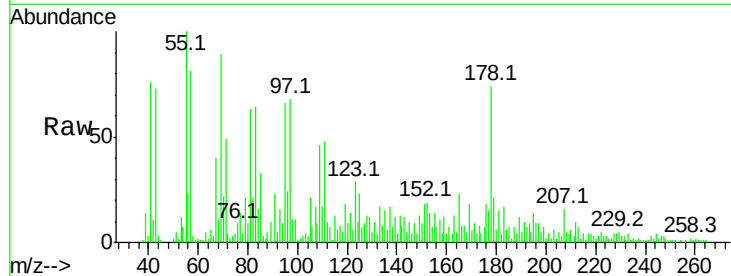
Tot Ion:178 Resp: 50872

Ion Ratio Lower Upper

178 100

176 25.1 16.2 24.4#

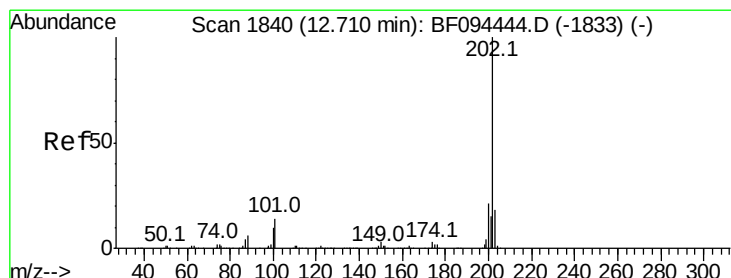
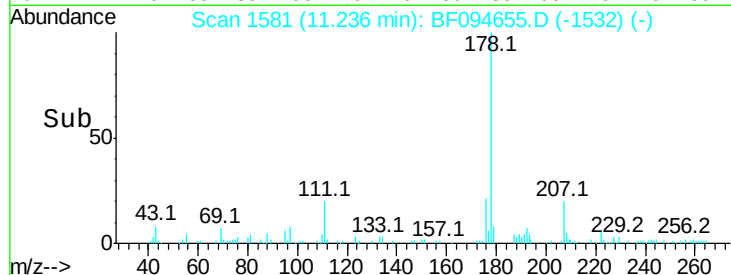
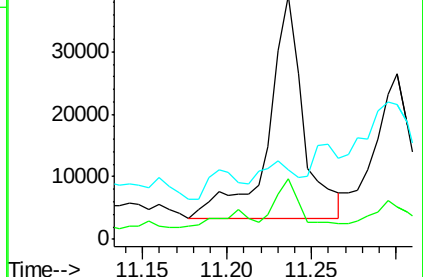
179 28.5 12.6 19.0#



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



#74

Fluoranthene

Concen: 6.52 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

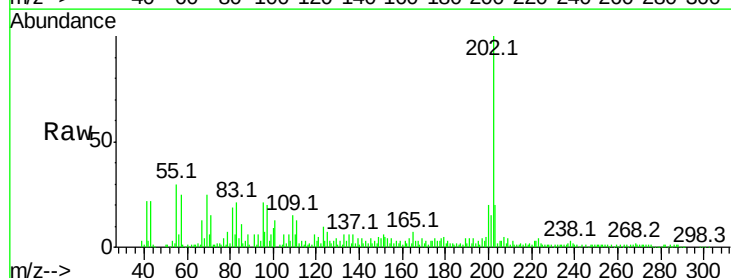
Tgt Ion:202 Resp: 134167

Ion Ratio Lower Upper

202 100

101 13.1 0.0 33.2

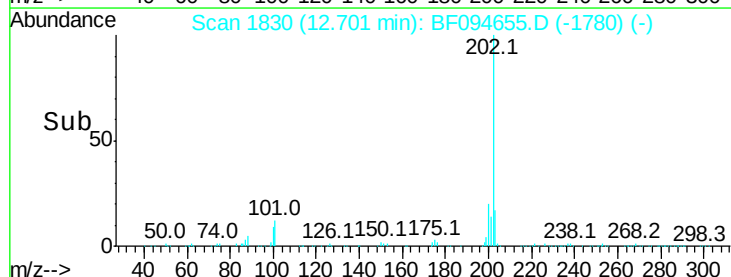
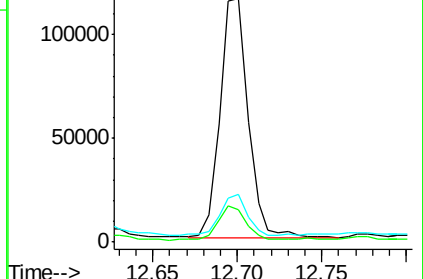
203 19.6 0.0 38.1

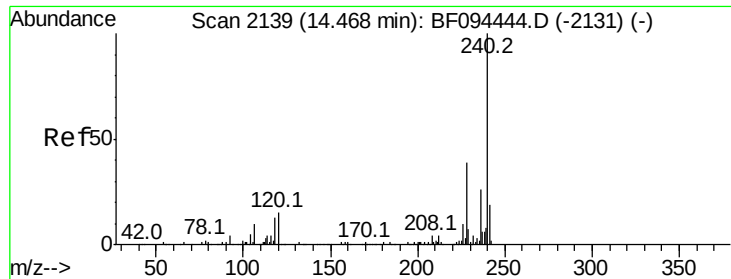


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :

BNA_F

ClientSampleId :

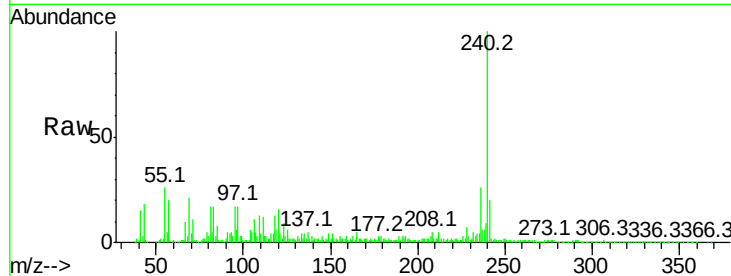
Tot Ion:240 Resp: 259957

Ion Ratio Lower Upper

240 100

120 16.0 5.8 8.8#

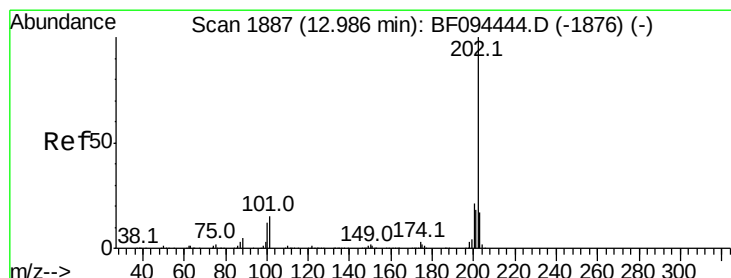
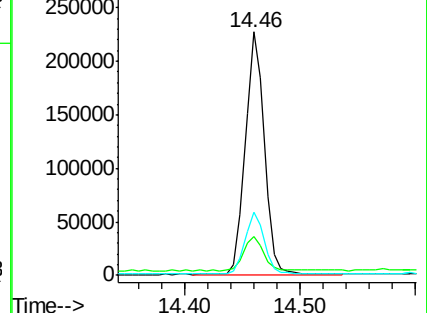
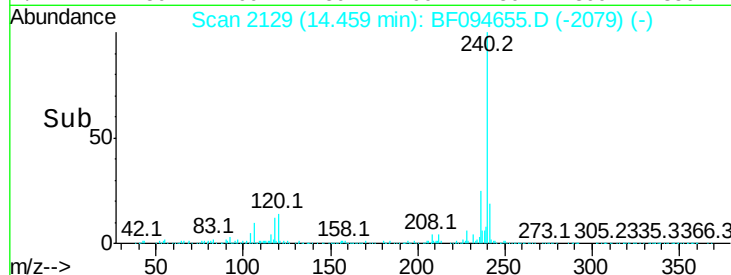
236 25.8 20.5 30.7



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: 10.30 ng

RT: 12.97 min Scan# 1876

Delta R.T. -0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

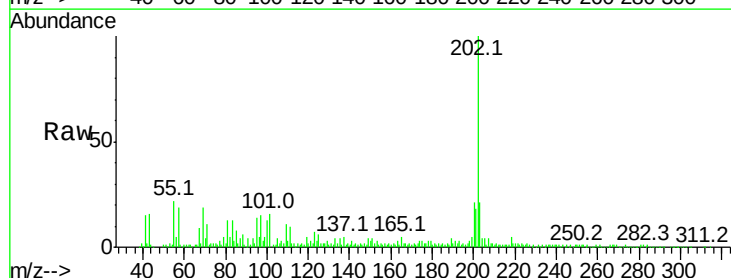
Tgt Ion:202 Resp: 186992

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

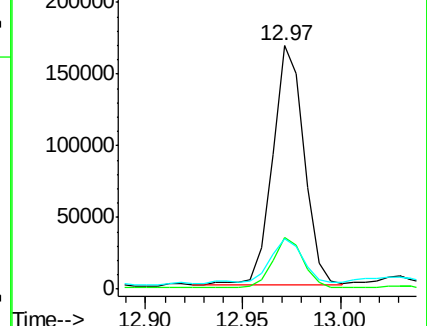
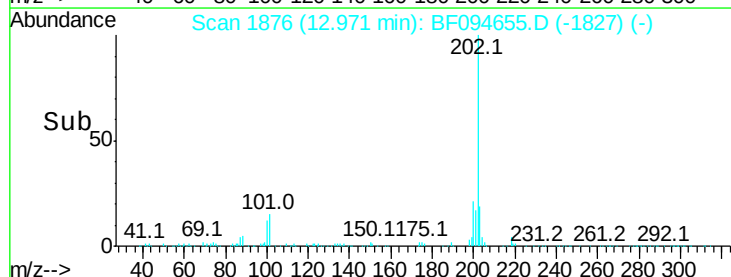
203 20.8 14.4 21.6

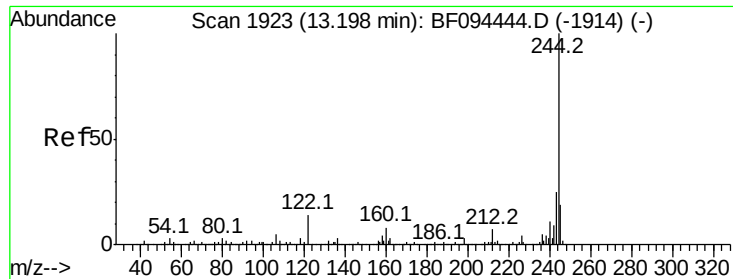


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

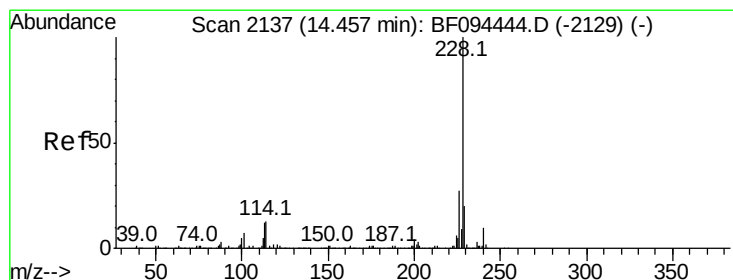
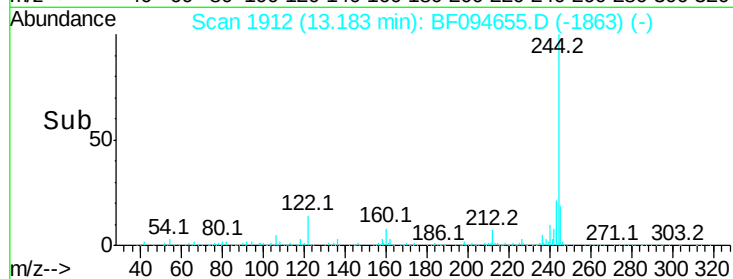
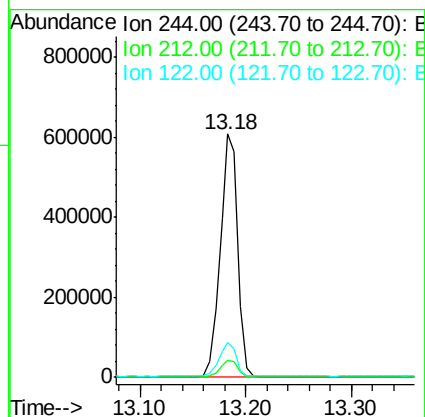
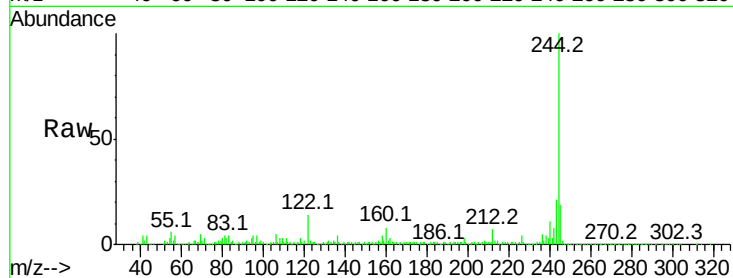




#78
 Terphenyl-d14
 Concen: 72.53 ng
 RT: 13.18 min Scan# 1912
 Delta R.T. -0.01 min
 Lab File: BF094655.D
 Acq: 26 Apr 2017 19:02

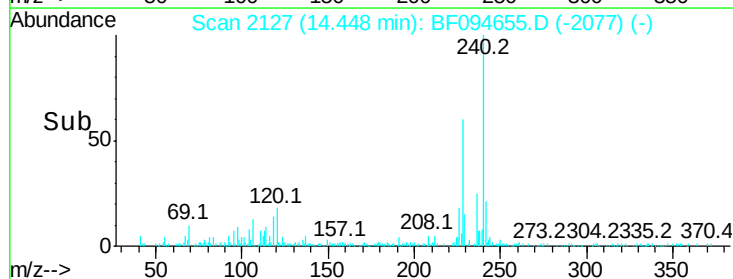
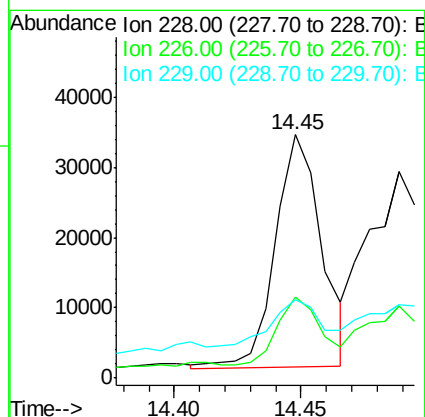
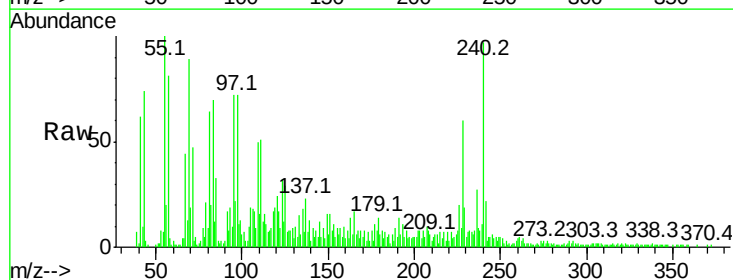
Instrument :
 BNA_F
 ClientSampleId :

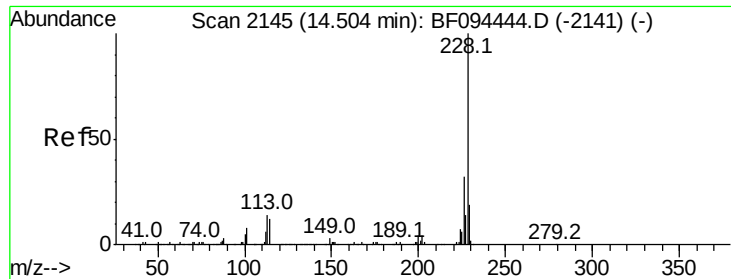
Tot Ion:244 Resp: 705439
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094655.D
 Acq: 26 Apr 2017 19:02

Tgt Ion:228 Resp: 42199
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.6 33.8
 229 32.0 16.3 24.5#

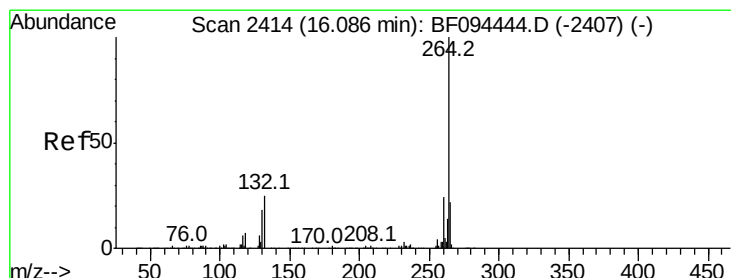
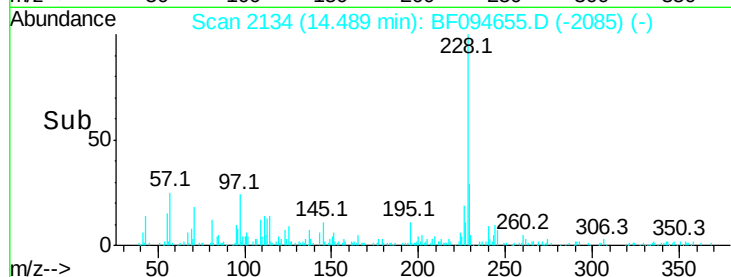
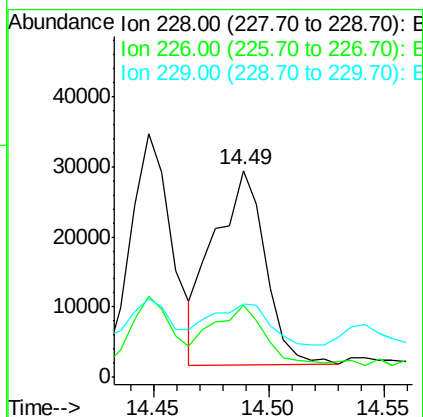
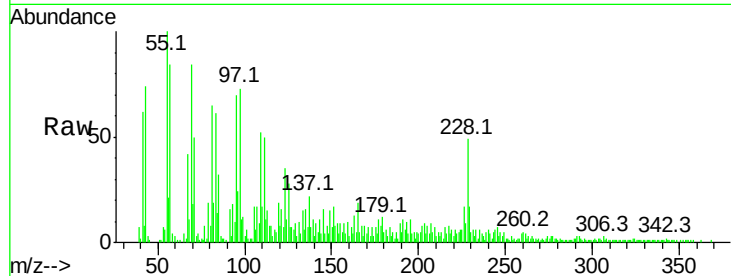




#82
Chrysene
Concen: 3.11 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

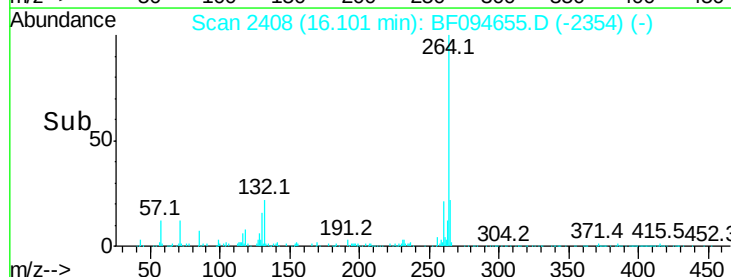
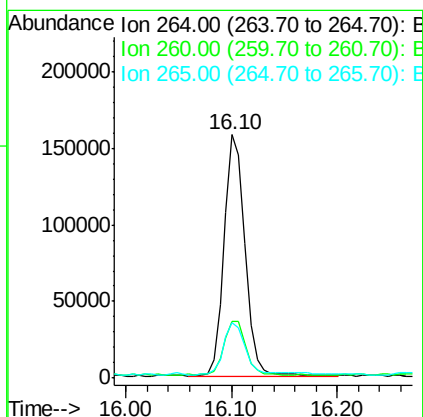
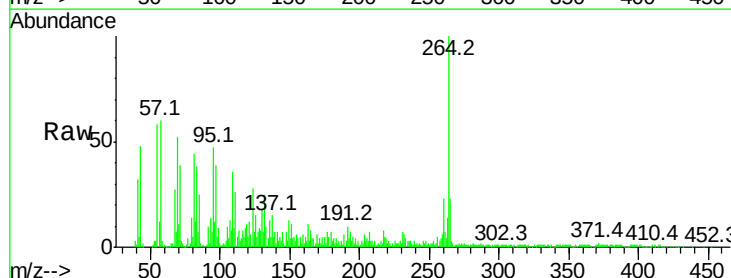
Instrument :
BNA_F
ClientSampled :

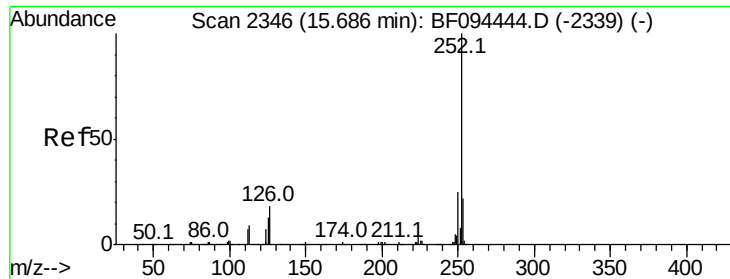
Tot Ion:228 Resp: 43004
Ion Ratio Lower Upper
228 100
226 35.0 24.9 37.3
229 35.6 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094655.D
Acq: 26 Apr 2017 19:02

Tgt Ion:264 Resp: 218805
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 4.64 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

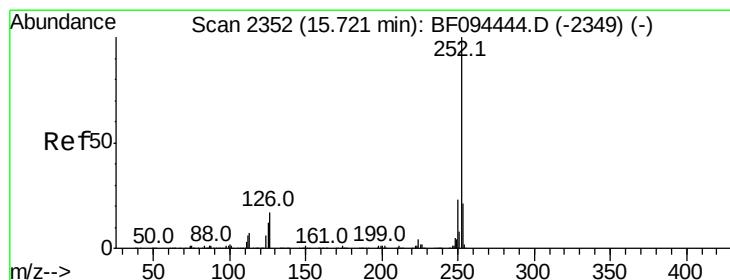
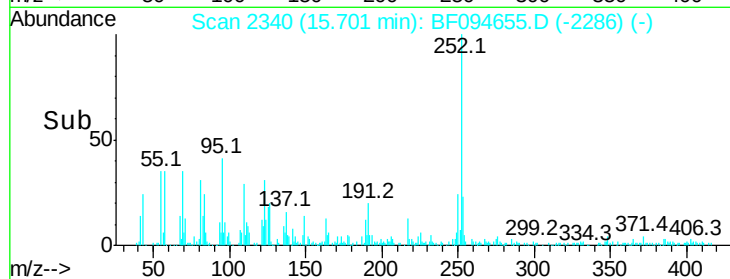
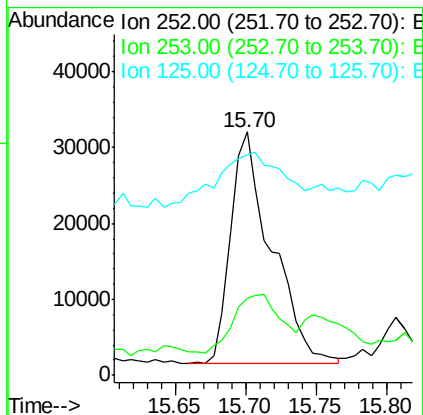
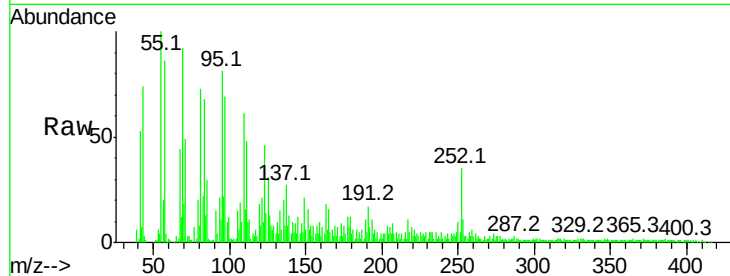
Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 62137

Ion	Ratio	Lower	Upper
252	100		
253	31.9	18.1	27.1#
125	90.5	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 4.91 ng

RT: 15.70 min Scan# 2340

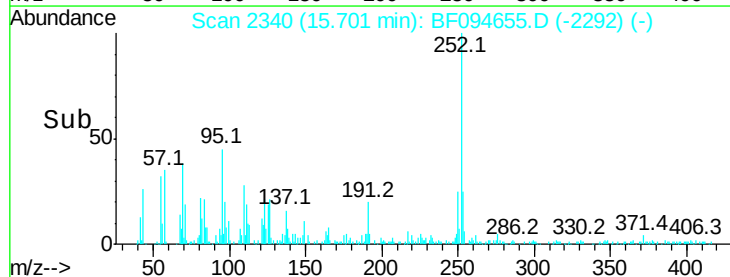
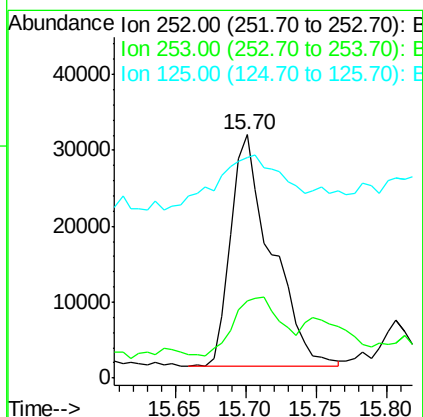
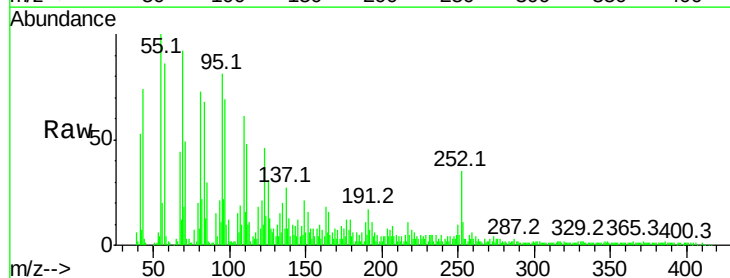
Delta R.T. -0.02 min

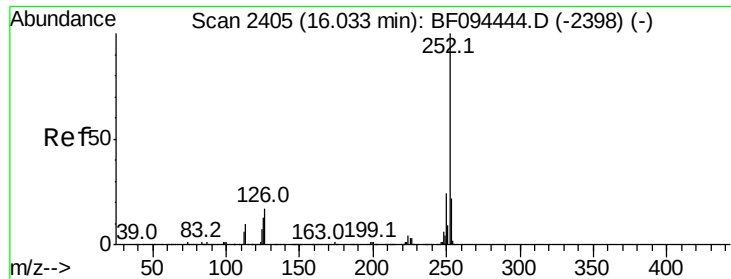
Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Tgt Ion:252 Resp: 62137

Ion	Ratio	Lower	Upper
252	100		
253	31.9	18.4	27.6#
125	90.5	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 2.63 ng

RT: 16.04 min Scan# 2398

Delta R.T. 0.01 min

Lab File: BF094655.D

Acq: 26 Apr 2017 19:02

Instrument :

BNA_F

ClientSampleId :

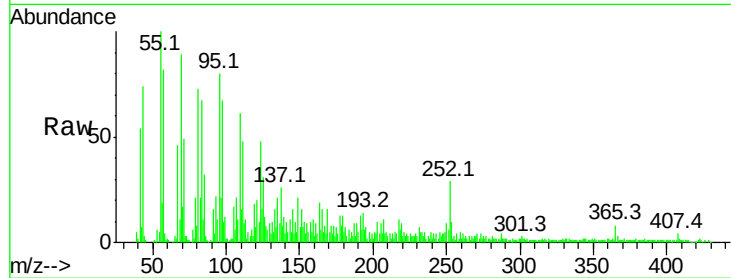
Tot Ion: 252 Resp: 32779

Ion Ratio Lower Upper

252 100

253 35.0 17.5 26.3#

125 106.9 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

