

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032917\
 Data File : BF094051.D
 Acq On : 30 Mar 2017 8:07
 Operator : SJ/MA
 Sample : I2431-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 08:27:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

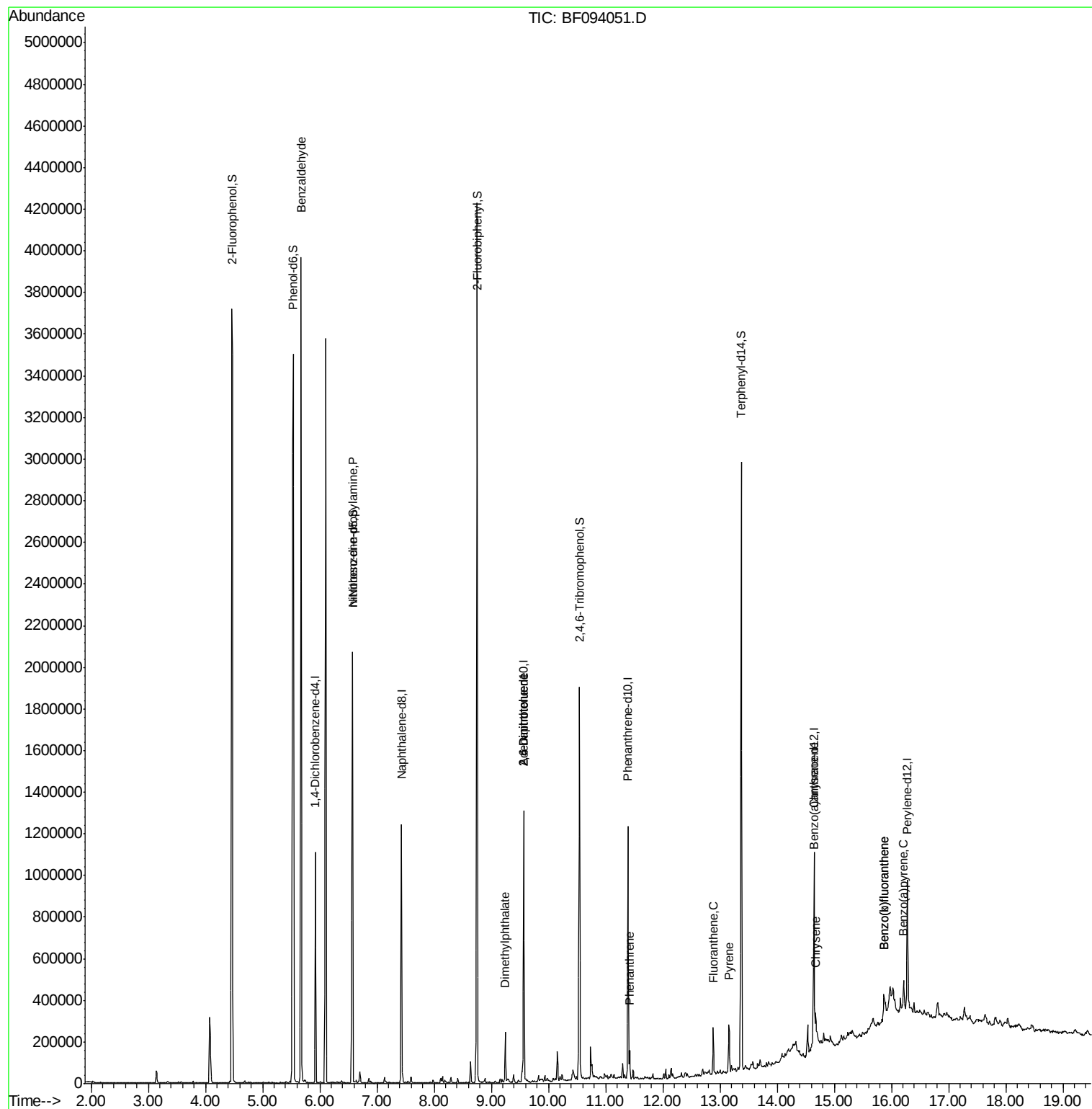
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.92	152	168821	20.00	ng	-0.03
21) Naphthalene-d8	7.43	136	654710	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	281232	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	441189	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	313350	20.00	ng	-0.04
86) Perylene-d12	16.28	264	253288	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	1303911	130.45	ng	-0.01
7) Phenol-d6	5.53	99	1622853	131.24	ng	-0.02
23) Nitrobenzene-d5	6.57	82	858318	74.82	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	262487	118.11	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1674544	90.82	ng	-0.03
78) Terphenyl-d14	13.37	244	1054548	75.44	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	5.67	77	27810	3.33	ng	84
19) n-Nitroso-di-n-propylamine	6.57	70	113672	14.30	ng	# 76
49) Dimethylphthalate	9.25	163	108084	5.41	ng	98
50) 2,6-Dinitrotoluene	9.57	165	37162	8.11	ng	# 34
56) 2,4-Dinitrotoluene	9.57	165	37163	6.46	ng	# 33
70) Phenanthrene	11.42	178	56354	2.30	ng	98
74) Fluoranthene	12.89	202	104283	4.15	ng	96
77) Pyrene	13.16	202	98530	4.33	ng	97
80) Benzo(a)anthracene	14.63	228	51890	2.84	ng	94
82) Chrysene	14.67	228	45562	2.69	ng	94
87) Benzo(b)fluoranthene	15.87	252	89646	5.77	ng	# 93
88) Benzo(k)fluoranthene	15.87	252	89646	5.90	ng	97
89) Benzo(a)pyrene	16.22	252	41718	2.92	ng	# 95

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

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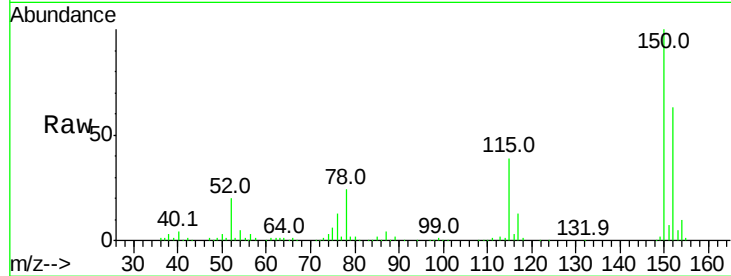


#1

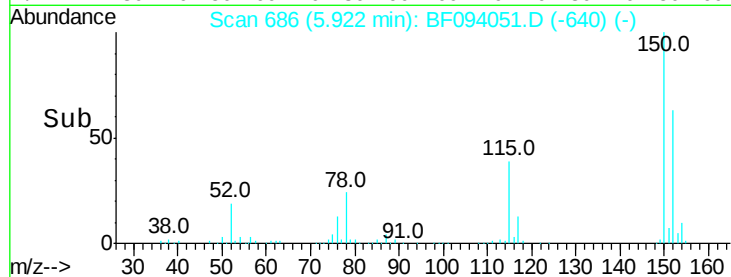
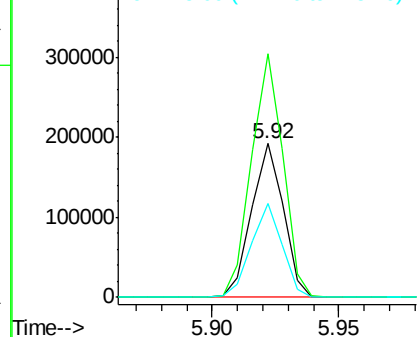
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168821
Ion Ratio Lower Upper
152 100
150 158.6 126.2 189.2
115 61.4 52.2 78.2



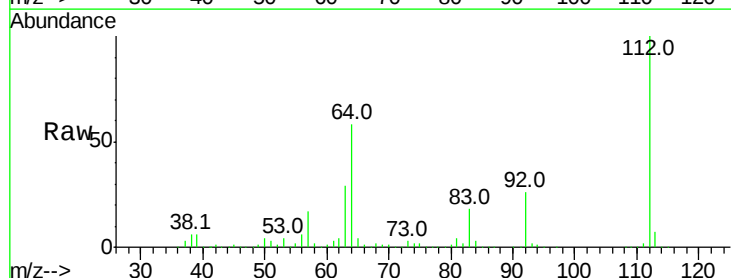
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



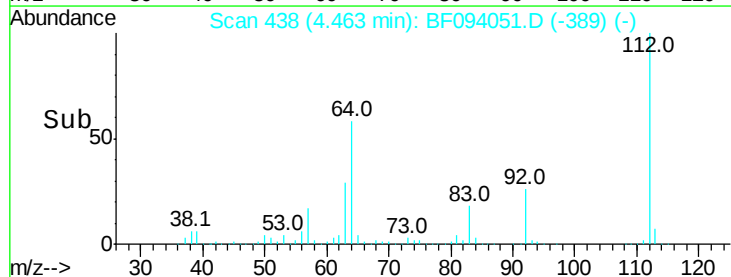
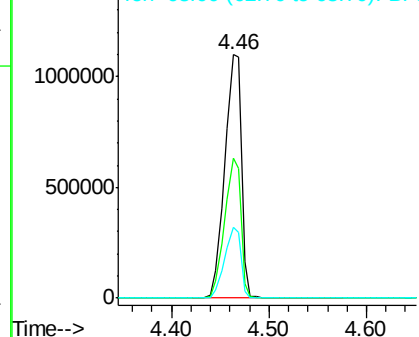
#5

2-Fluorophenol
Concen: 130.45 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Tgt Ion:112 Resp: 1303911
Ion Ratio Lower Upper
112 100
64 57.7 46.0 69.0
63 29.1 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: 131.24 ng

RT: 5.53 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampleId :

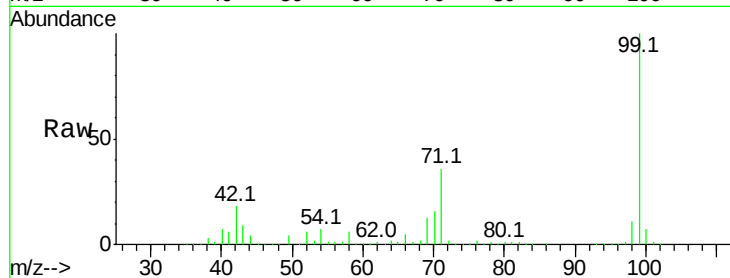
Tot Ion: 99 Resp: 1622853

Ion Ratio Lower Upper

99 100

42 18.4 13.5 20.3

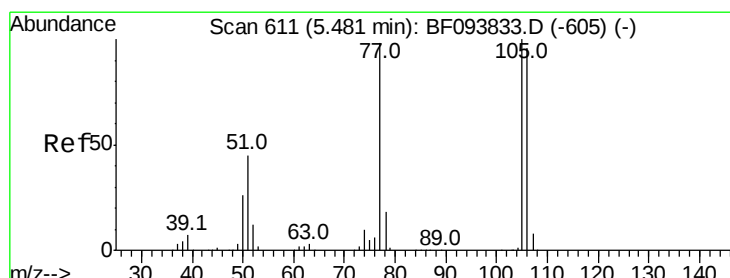
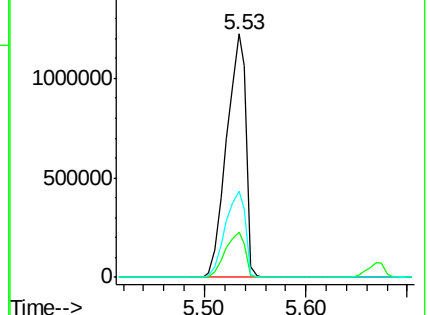
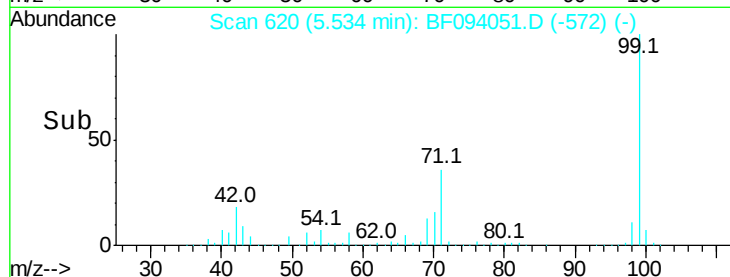
71 35.6 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.33 ng

RT: 5.67 min Scan# 644

Delta R.T. 0.23 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

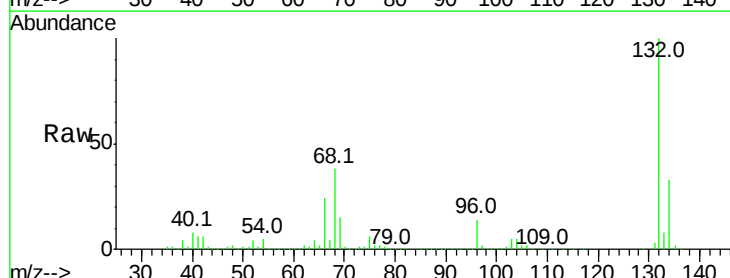
Tgt Ion: 77 Resp: 27810

Ion Ratio Lower Upper

77 100

105 86.6 83.8 123.8

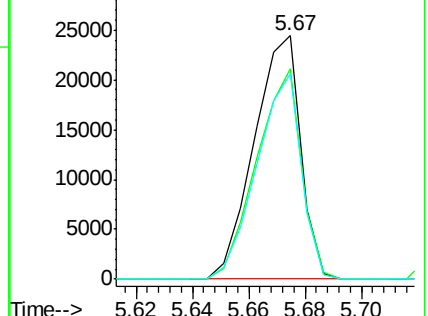
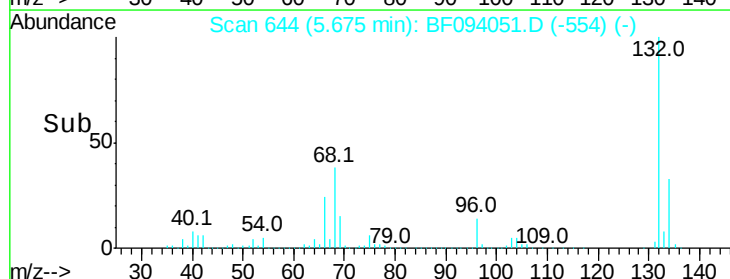
106 84.2 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

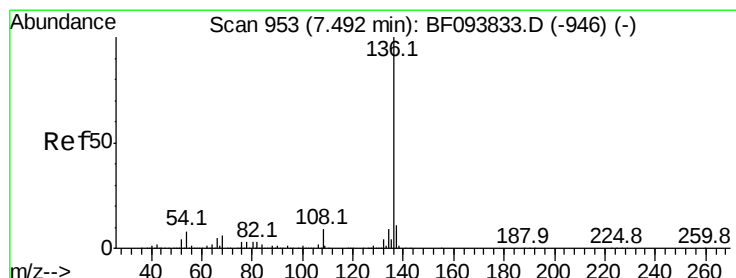
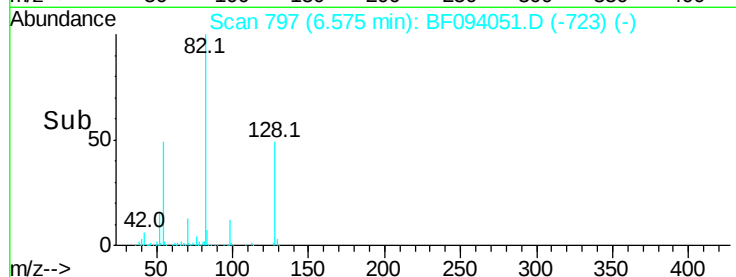
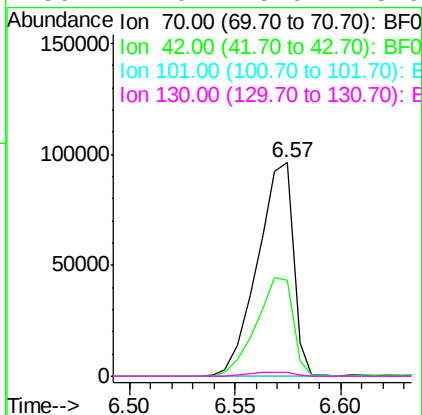
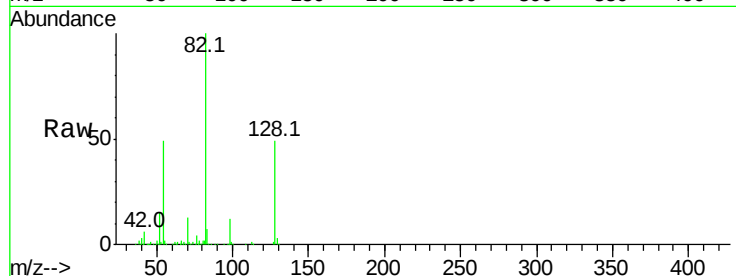




#19
n-Nitroso-di-n-propylamine
Concen: 14.30 ng
RT: 6.57 min Scan# 797
Delta R.T. 0.14 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

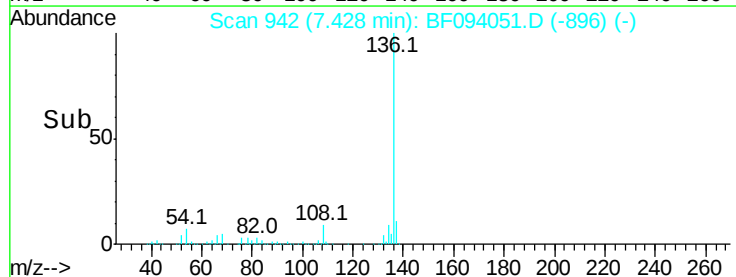
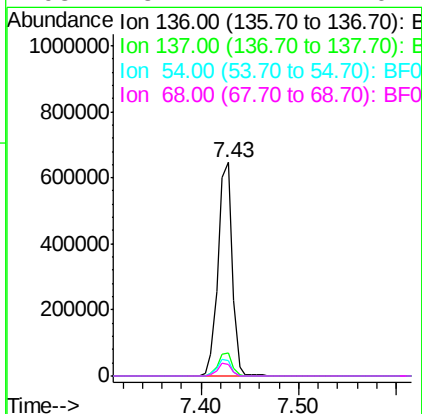
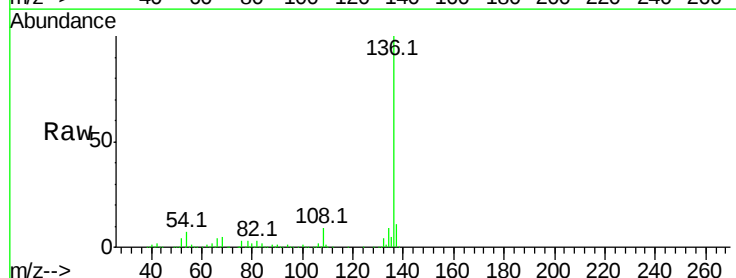
Instrument :
BNA_F
ClientSampled :

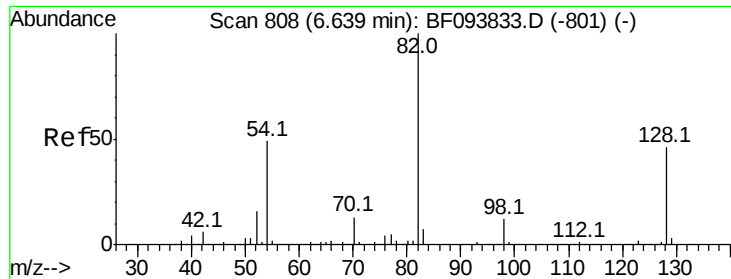
Tot Ion: 70 Resp: 113672
Ion Ratio Lower Upper
70 100
42 44.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Tgt Ion: 136 Resp: 654710
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 6.9 4.9 7.3
68 5.4 4.1 6.1

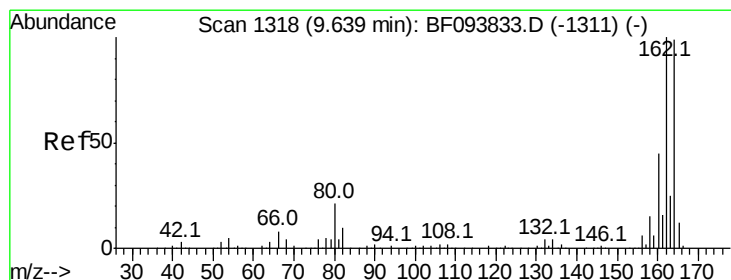
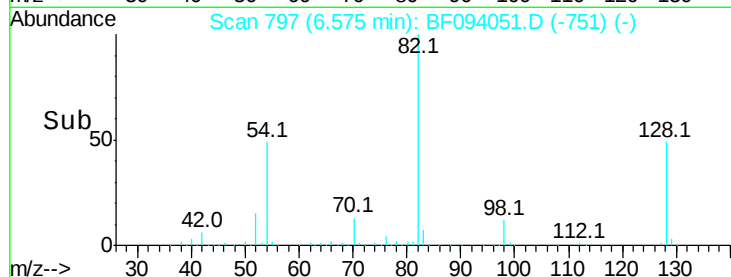
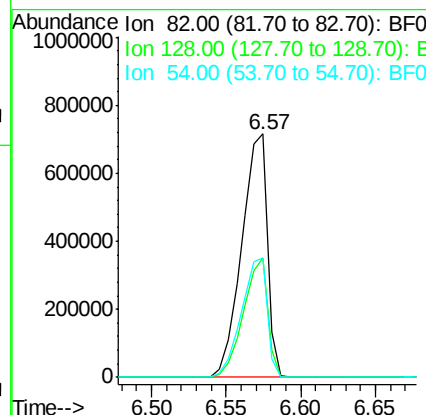
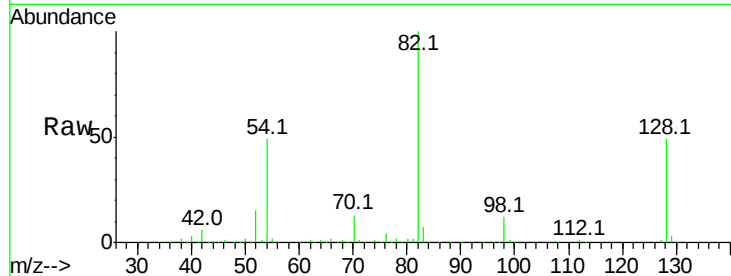




#23
 Nitrobenzene-d5
 Concen: 74.82 ng
 RT: 6.57 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

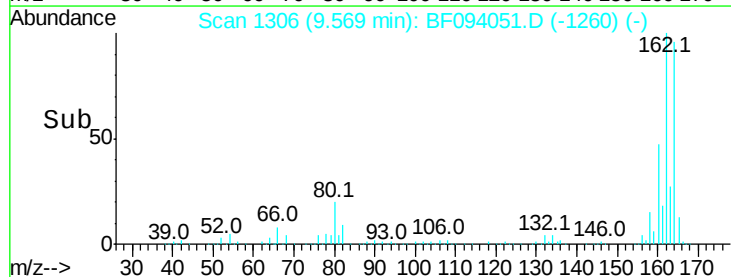
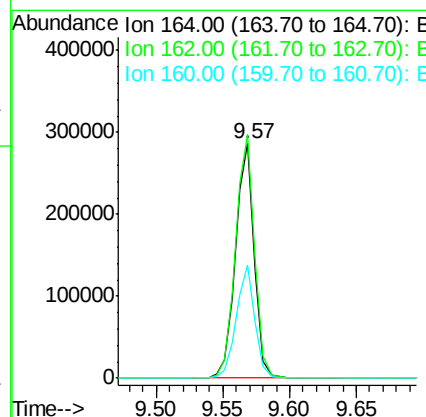
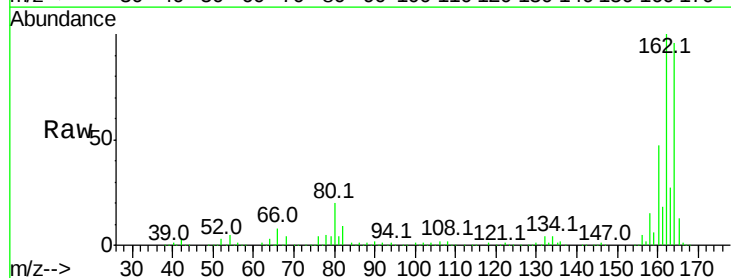
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	858318
Ion Ratio	Lower	Upper	
82	100		
128	49.0	34.0	51.0
54	48.8	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

Tgt Ion	164	Resp	281232
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.6	123.8
160	48.3	36.2	54.2

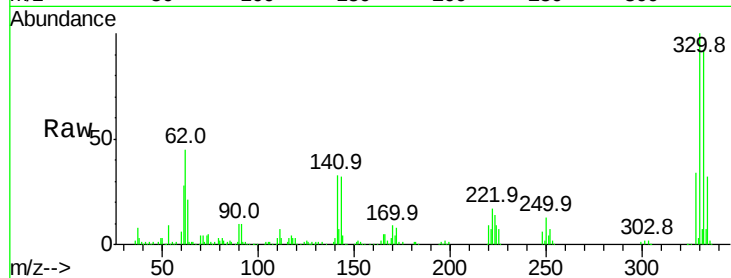




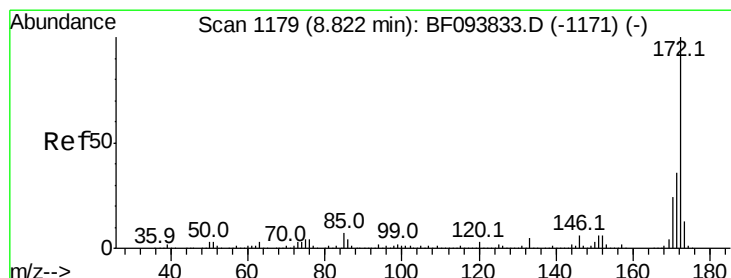
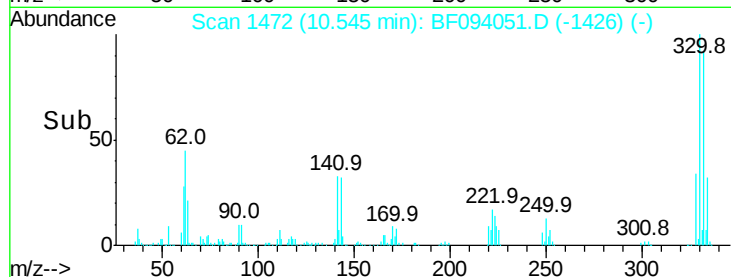
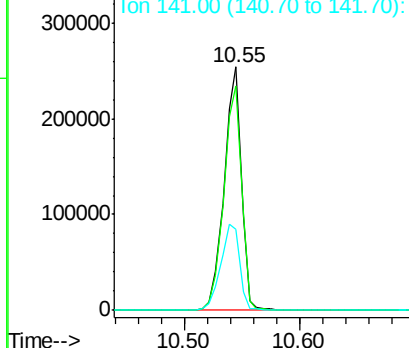
#41
 2,4,6-Tribromophenol
 Concen: 118.11 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 262487
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 39.4 31.4 47.2

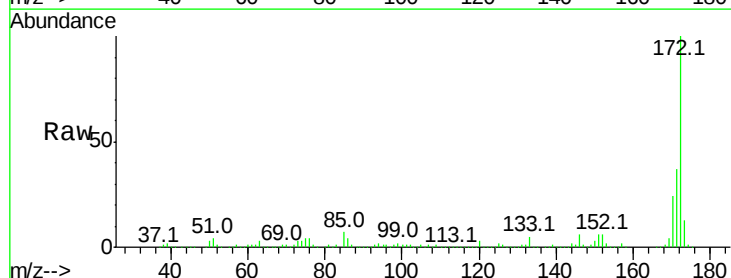


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

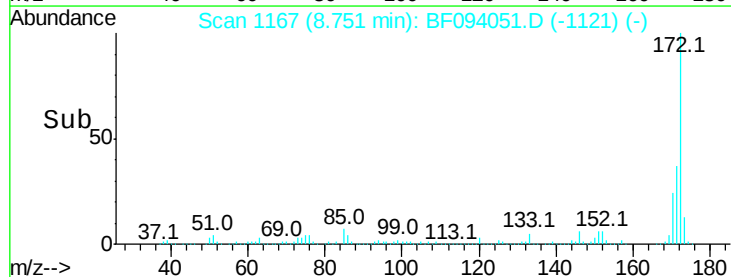
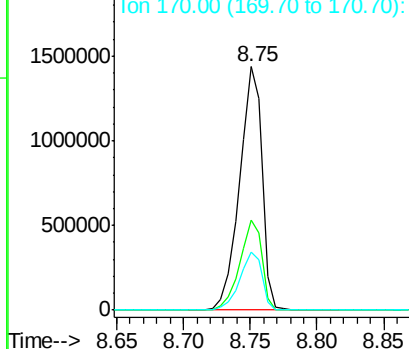


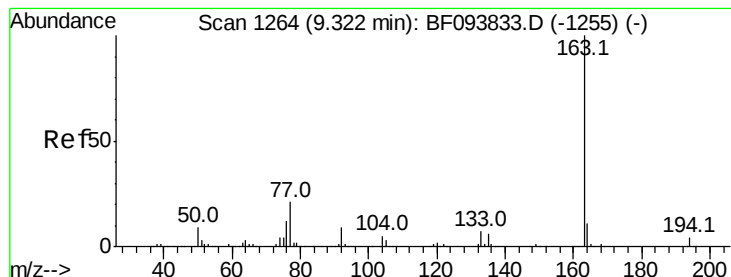
#44
 2-Fluorobiphenyl
 Concen: 90.82 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

Tgt Ion:172 Resp: 1674544
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 23.9 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: 5.41 ng

RT: 9.25 min Scan# 1251

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampleId :

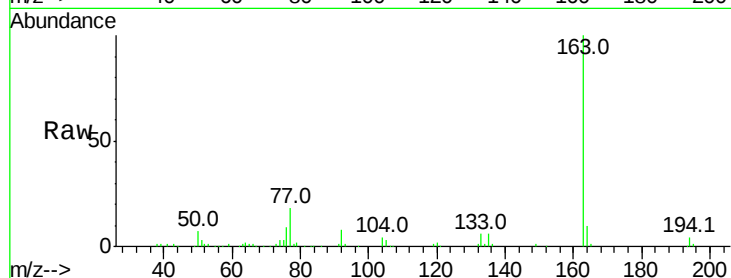
Tot Ion:163 Resp: 108084

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

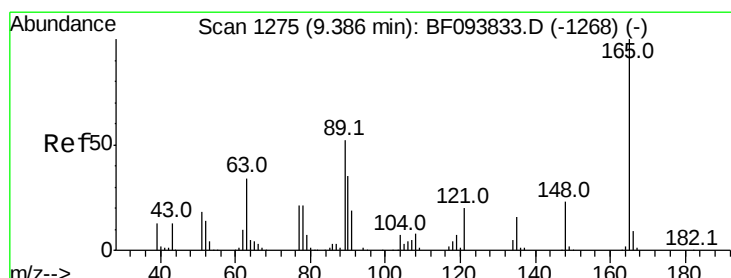
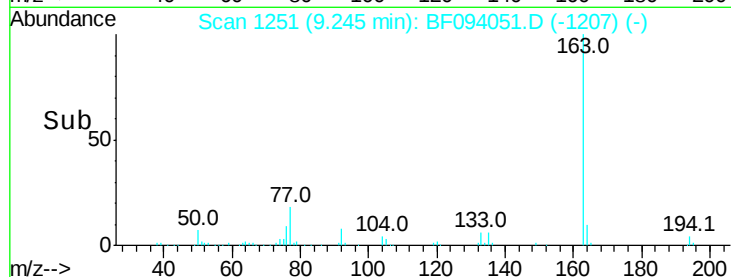
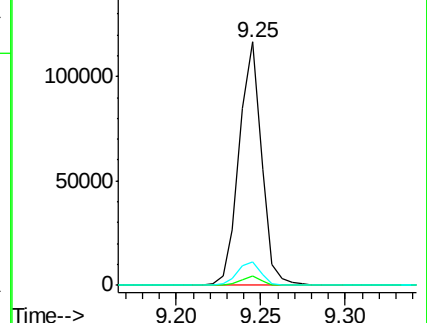
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.11 ng

RT: 9.57 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

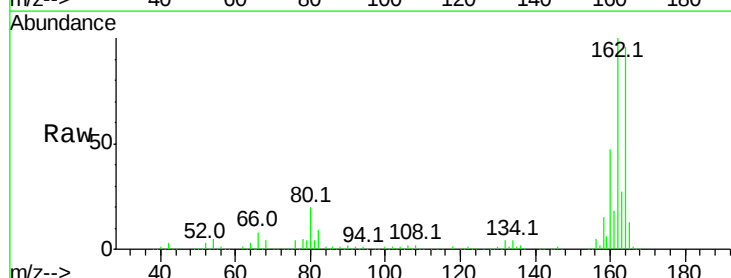
Tgt Ion:165 Resp: 37162

Ion Ratio Lower Upper

165 100

63 1.4 34.3 51.5#

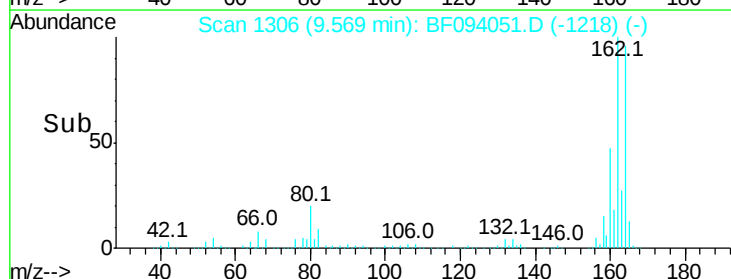
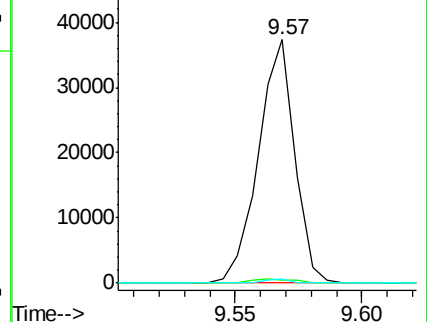
89 1.5 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

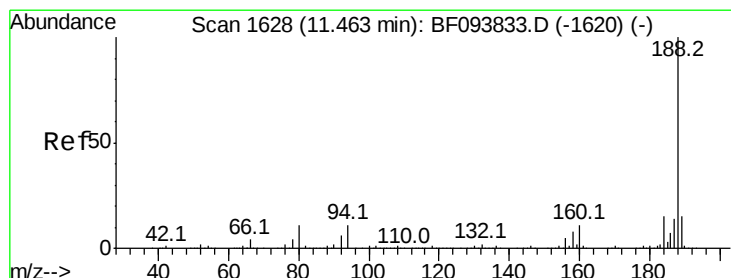
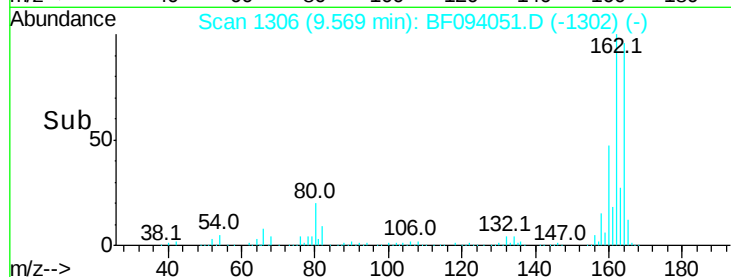
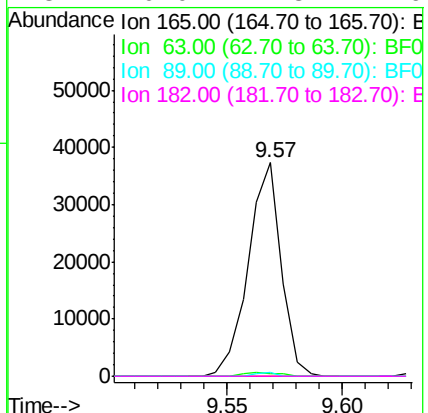
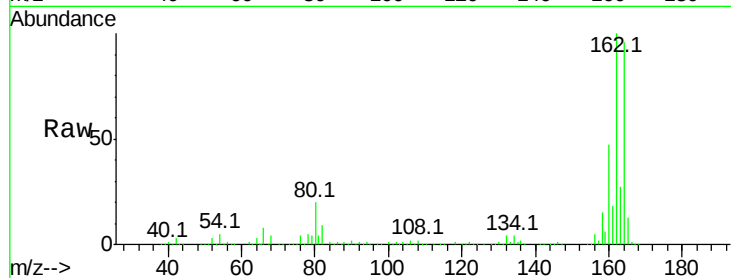




#56
 2,4-Dinitrotoluene
 Concen: 6.46 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.28 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

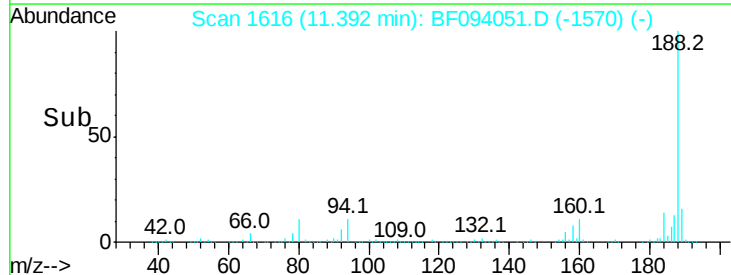
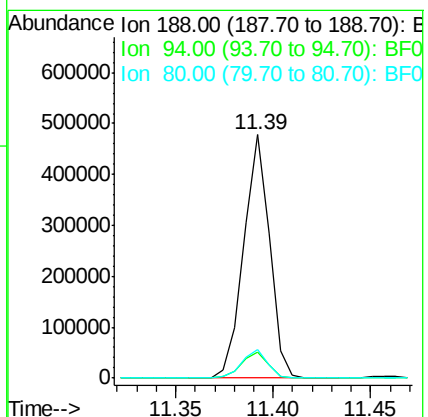
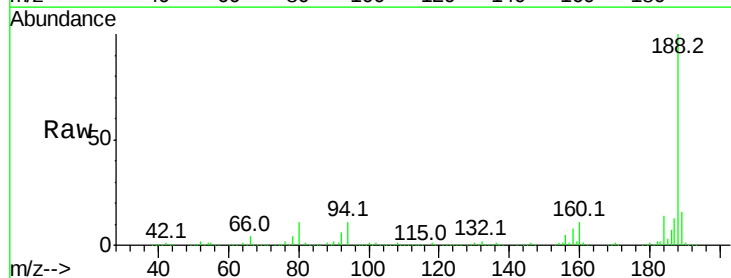
Instrument :
 BNA_F
 ClientSampleId :

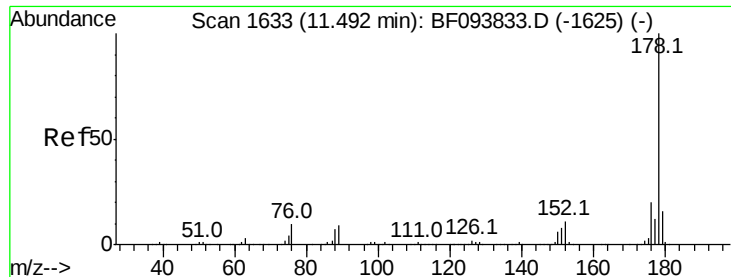
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.03 min
 Lab File: BF094051.D
 Acq: 30 Mar 2017 8:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	11.5	10.2	15.2

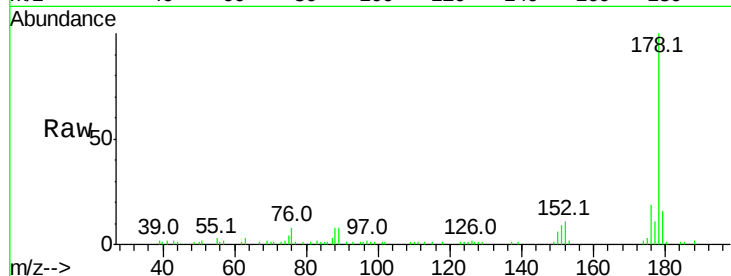




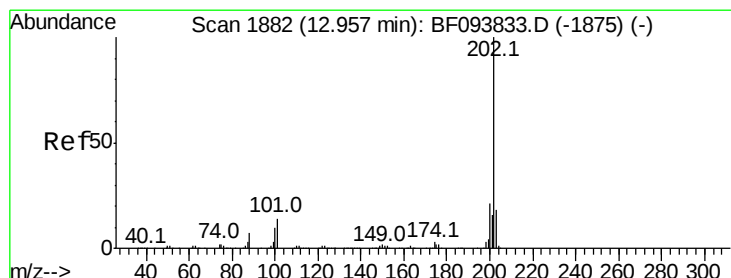
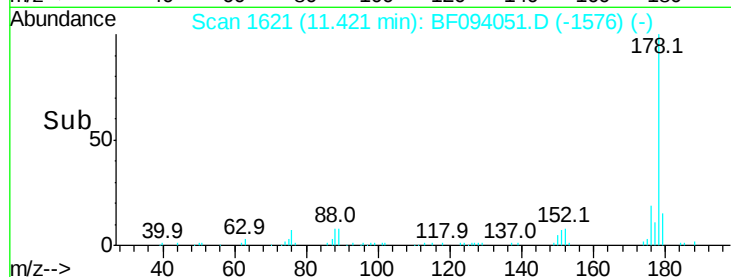
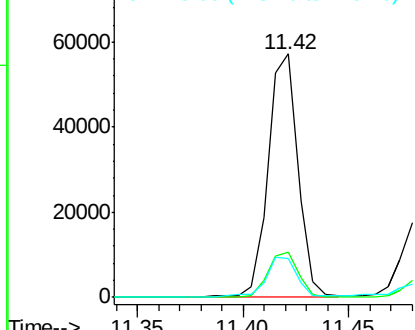
#70
Phenanthrene
Concen: 2.30 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 56354
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.8 12.6 19.0

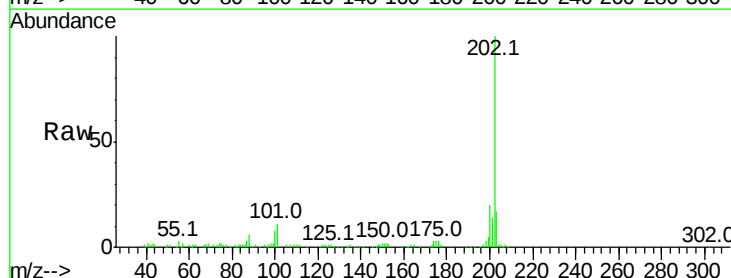


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

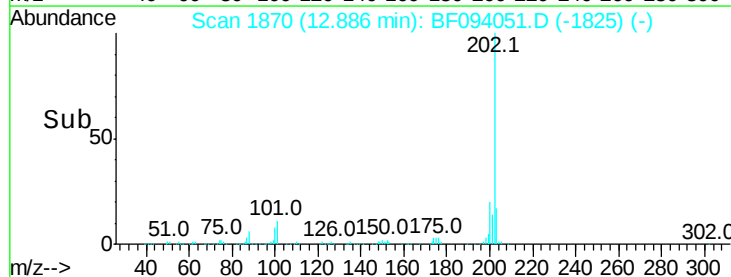
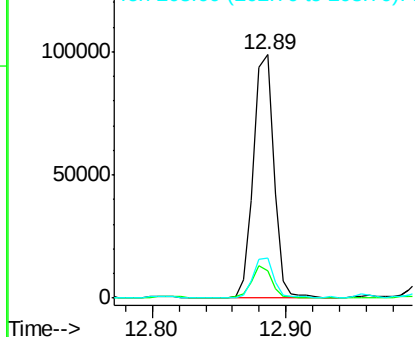


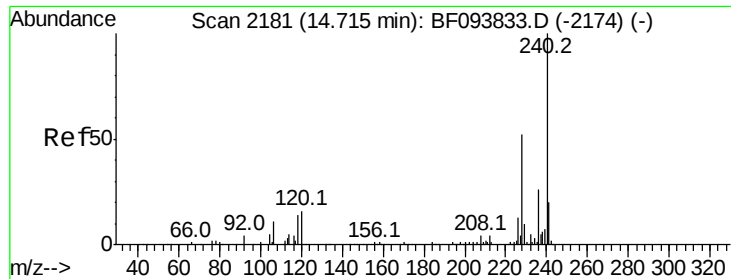
#74
Fluoranthene
Concen: 4.15 ng
RT: 12.89 min Scan# 1870
Delta R.T. -0.04 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Tgt Ion:202 Resp: 104283
Ion Ratio Lower Upper
202 100
101 11.3 0.0 33.2
203 16.6 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: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampleId :

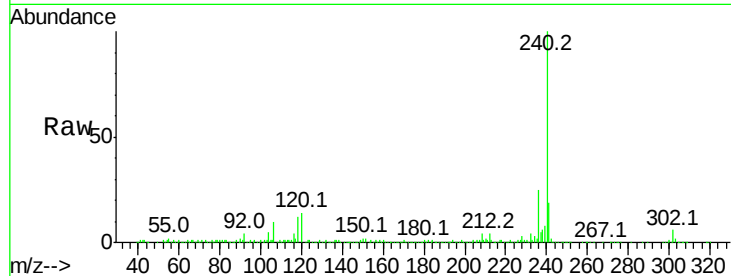
Tot Ion:240 Resp: 313350

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

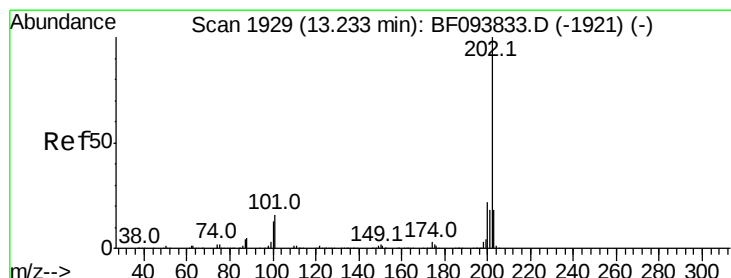
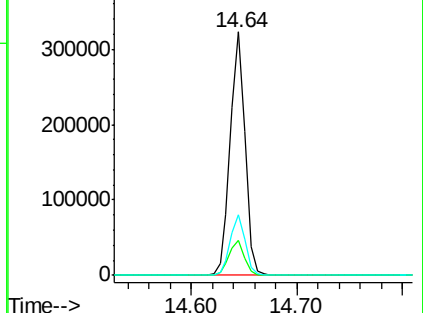
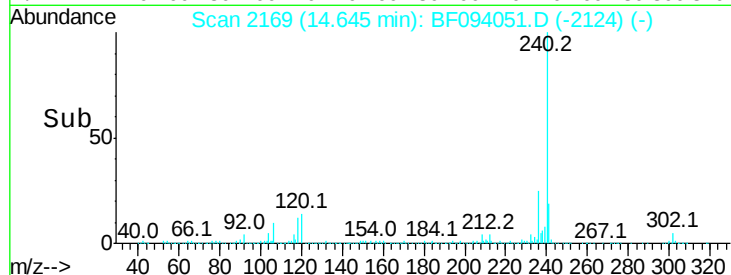
236 25.0 20.5 30.7



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: 4.33 ng

RT: 13.16 min Scan# 1916

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

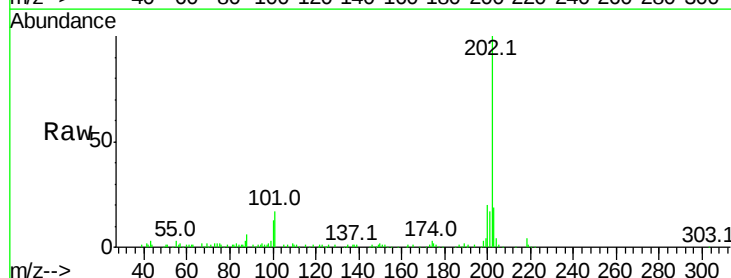
Tgt Ion:202 Resp: 98530

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

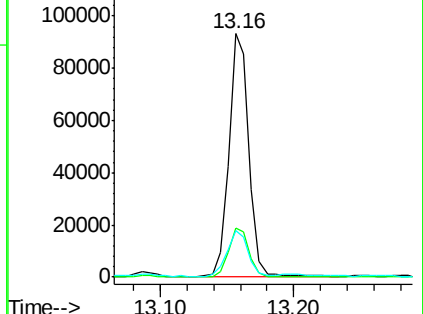
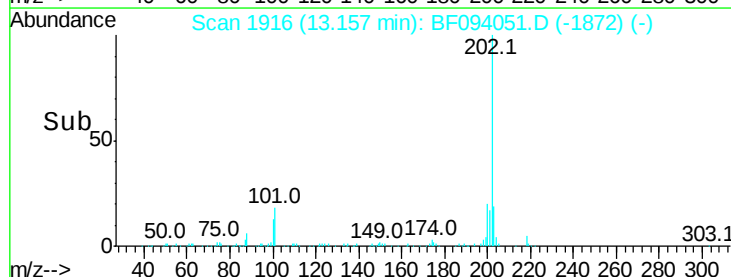
203 19.0 14.4 21.6

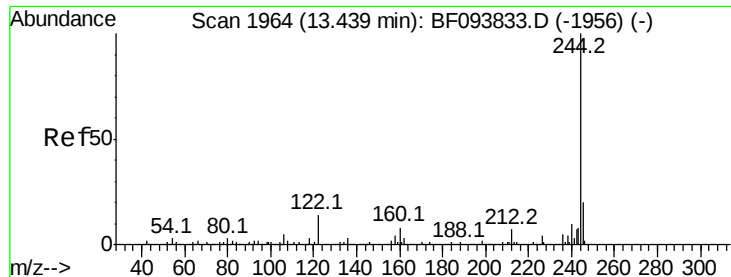


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 75.44 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampleId :

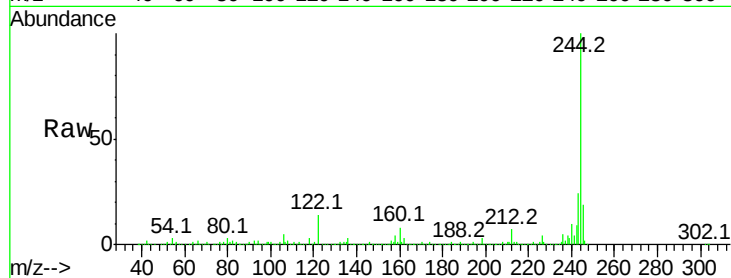
Tot Ion:244 Resp: 1054548

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

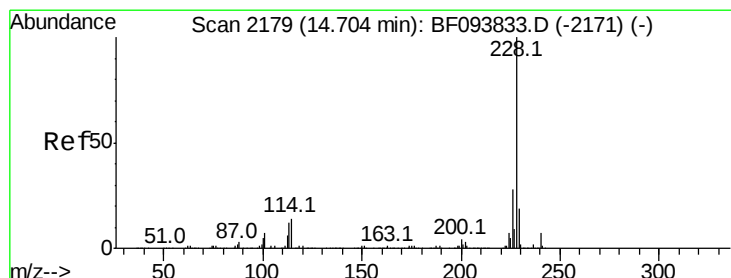
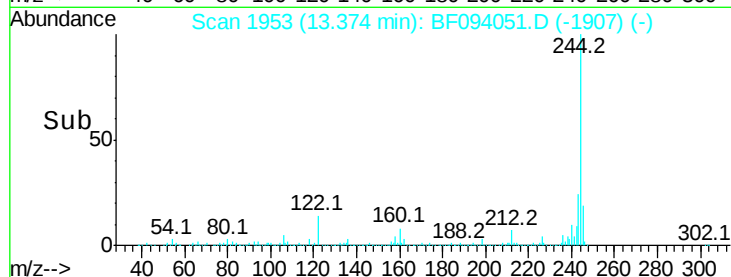
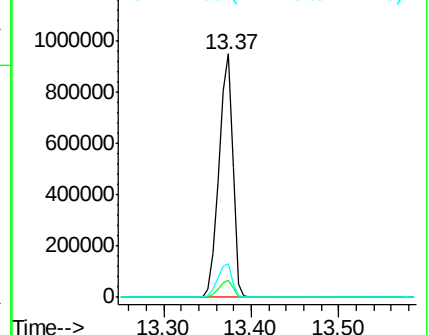
122 13.9 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 2.84 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

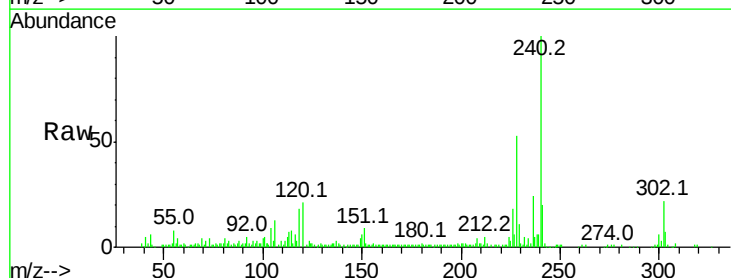
Tgt Ion:228 Resp: 51890

Ion Ratio Lower Upper

228 100

226 33.7 22.6 33.8

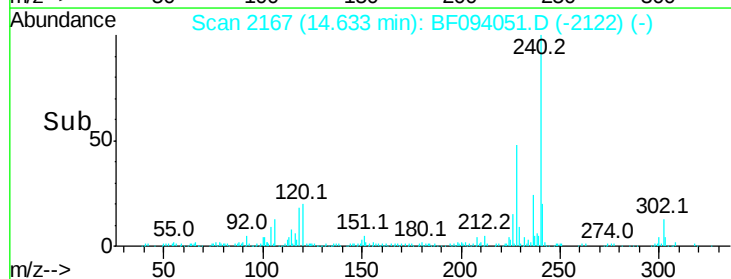
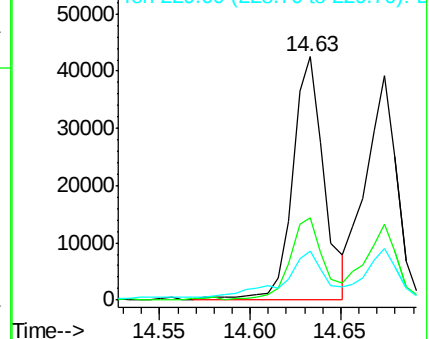
229 20.3 16.3 24.5

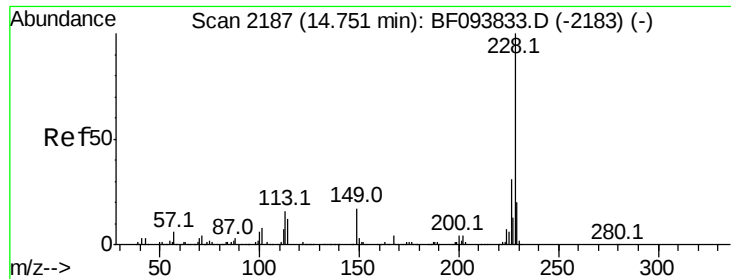


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.69 ng

RT: 14.67 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampled :

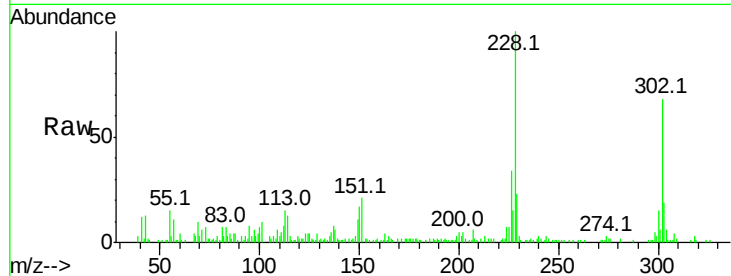
Tot Ion:228 Resp: 45562

Ion Ratio Lower Upper

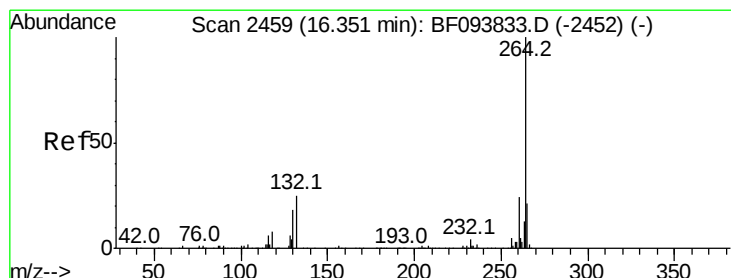
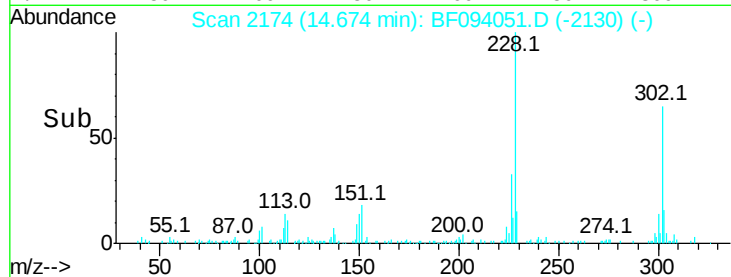
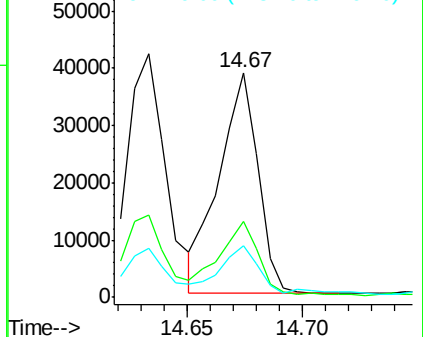
228 100

226 33.7 24.9 37.3

229 23.1 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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.03 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

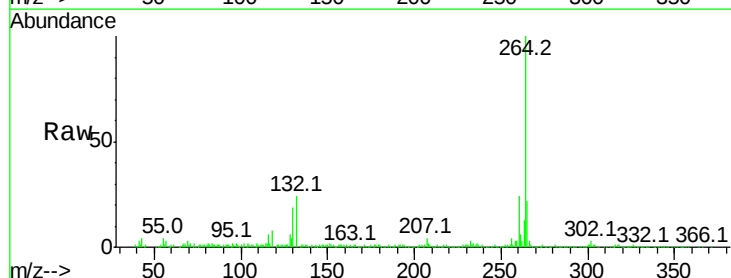
Tgt Ion:264 Resp: 253288

Ion Ratio Lower Upper

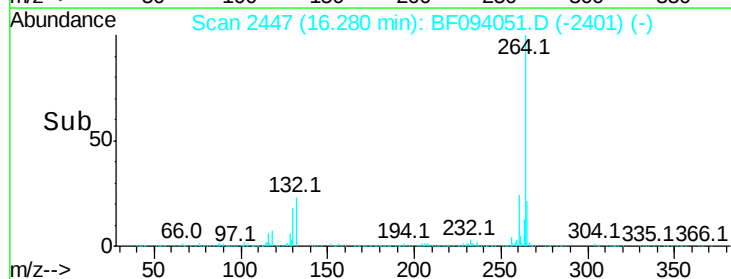
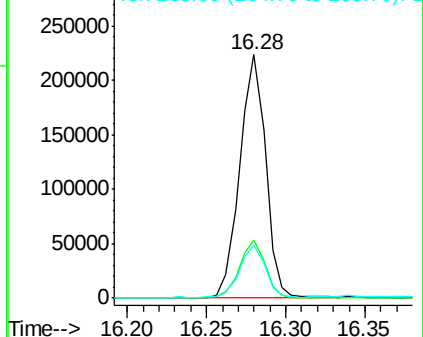
264 100

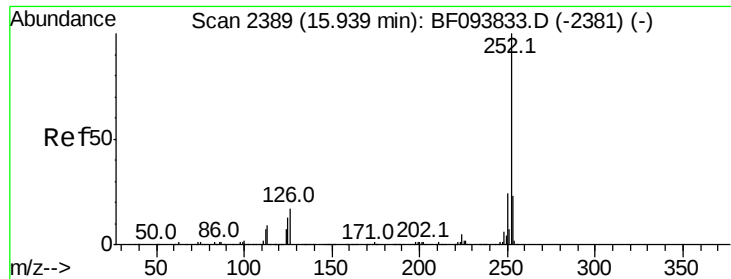
260 23.7 19.5 29.3

265 21.5 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

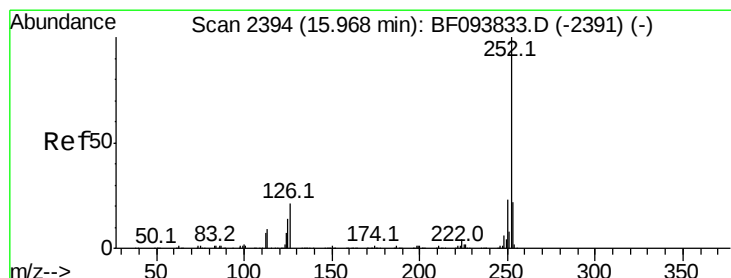
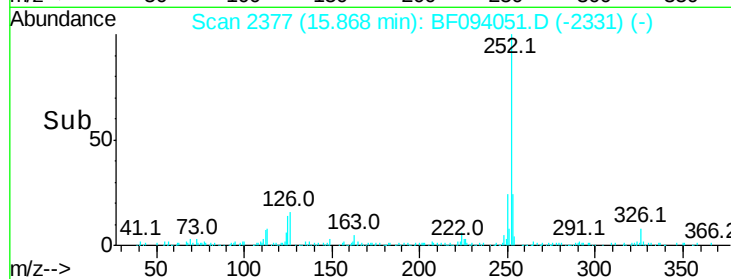
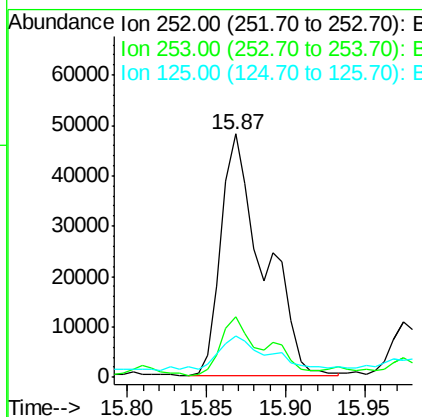
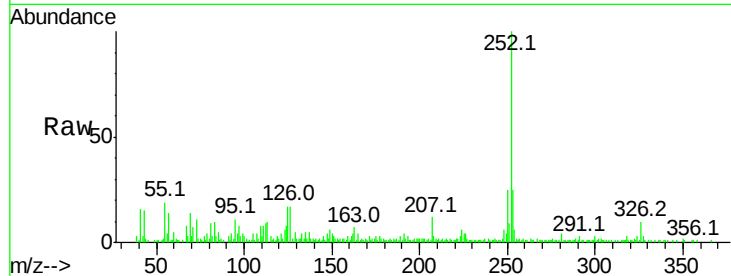




#87
Benzo(b)fluoranthene
Concen: 5.77 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.03 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

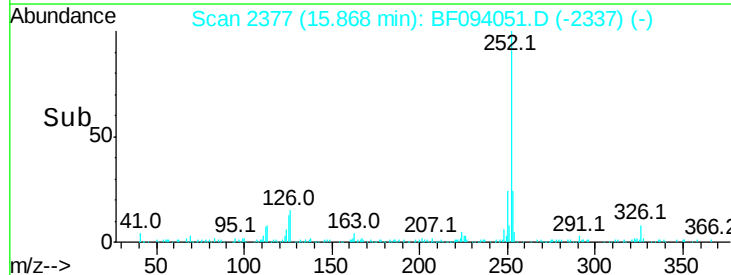
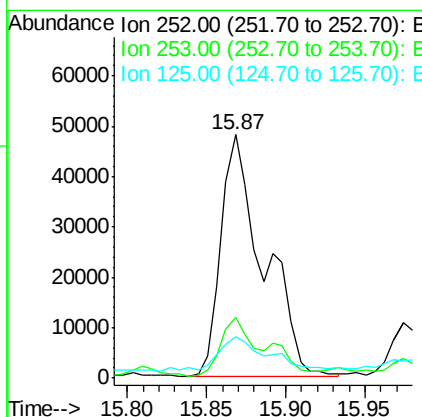
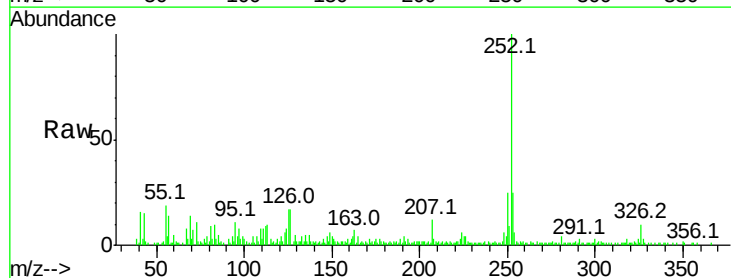
Instrument :
BNA_F
ClientSampleId :

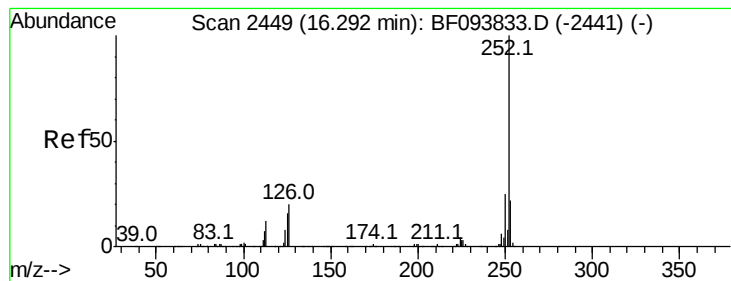
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	17.0	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 5.90 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.06 min
Lab File: BF094051.D
Acq: 30 Mar 2017 8:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	17.0	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.92 ng

RT: 16.22 min Scan# 2436

Delta R.T. -0.04 min

Lab File: BF094051.D

Acq: 30 Mar 2017 8:07

Instrument :

BNA_F

ClientSampleId :

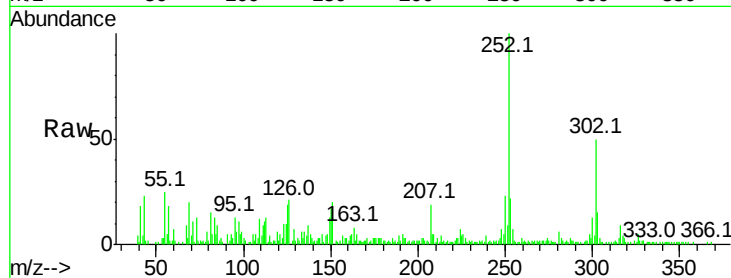
Tot Ion: 252 Resp: 41718

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 18.8 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

