

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094013.D
 Acq On : 29 Mar 2017 00:44
 Operator : SJ/MA
 Sample : I2414-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:41:45 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

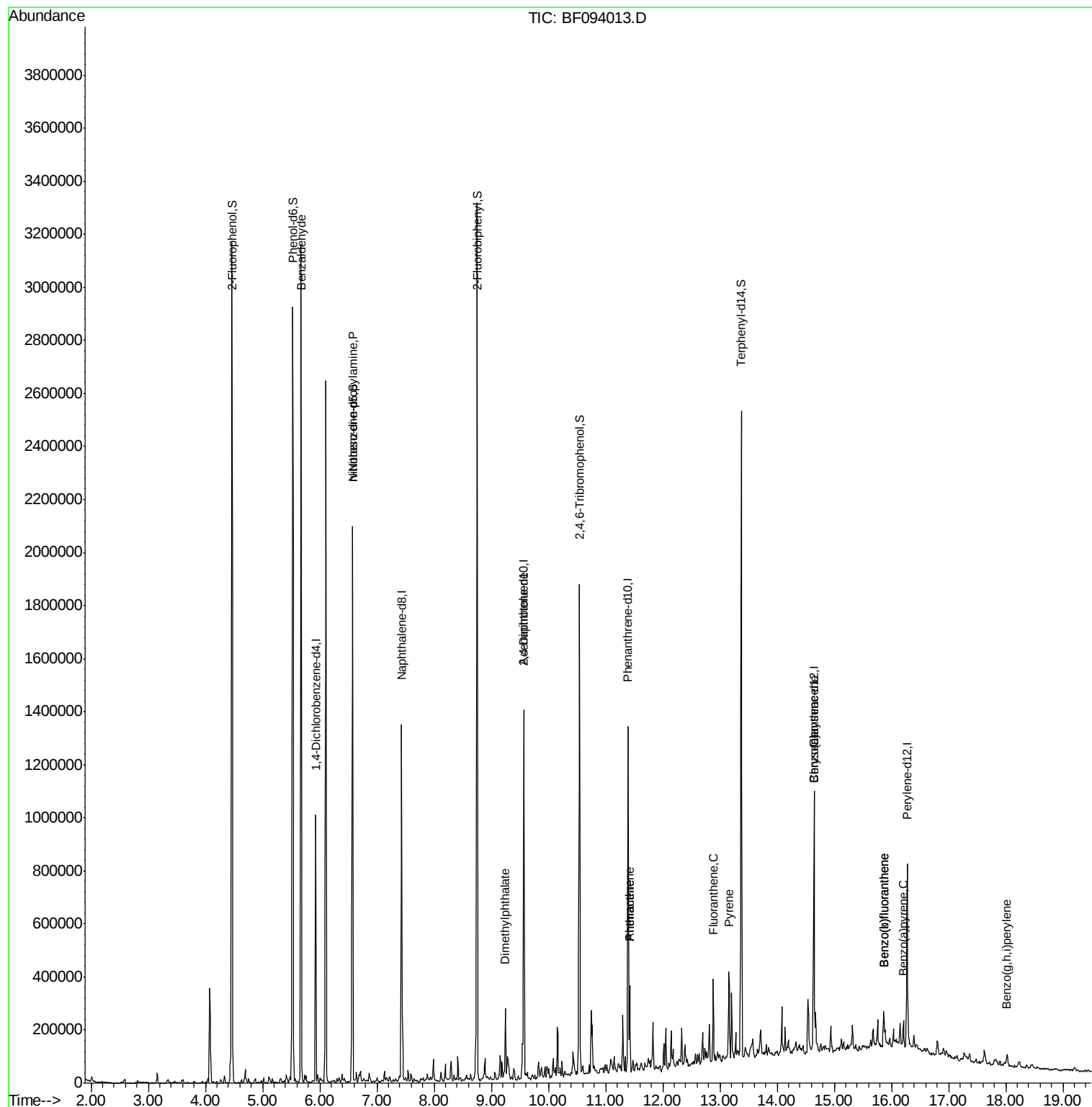
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	162653	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	675241	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	310328	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	525862	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	354911	20.00	ng	-0.04
86) Perylene-d12	16.27	264	274233	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	966157	100.33	ng	-0.01
7) Phenol-d6	5.53	99	1271234	106.71	ng	-0.02
23) Nitrobenzene-d5	6.57	82	849522	71.80	ng	-0.03
41) 2,4,6-Tribromophenol	10.55	330	253107	103.21	ng	-0.03
44) 2-Fluorobiphenyl	8.75	172	1328749	65.31	ng	-0.03
78) Terphenyl-d14	13.37	244	875335	55.28	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	5.67	77	22487	2.80	ng	82
19) n-Nitroso-di-n-propylamine	6.57	70	111984	14.63	ng	# 76
49) Dimethylphthalate	9.25	163	119469	5.42	ng	99
56) 2,4-Dinitrotoluene	9.57	165	41243	6.49	ng	# 33
70) Phenanthrene	11.42	178	121594	4.16	ng	97
71) Anthracene	11.42	178	121594	4.04	ng	98
74) Fluoranthene	12.89	202	144793	4.83	ng	97
77) Pyrene	13.16	202	140989	5.47	ng	97
80) Benzo(a)anthracene	14.63	228	54171	2.62	ng	94
82) Chrysene	14.63	228	54171	2.82	ng	96
87) Benzo(b)fluoranthene	15.86	252	85470	5.08	ng	# 95
88) Benzo(k)fluoranthene	15.86	252	85470	5.20	ng	98
89) Benzo(a)pyrene	16.21	252	41614	2.69	ng	# 92
91) Benzo(a,h,i)perylene	18.02	276	33986	2.57	ng	99

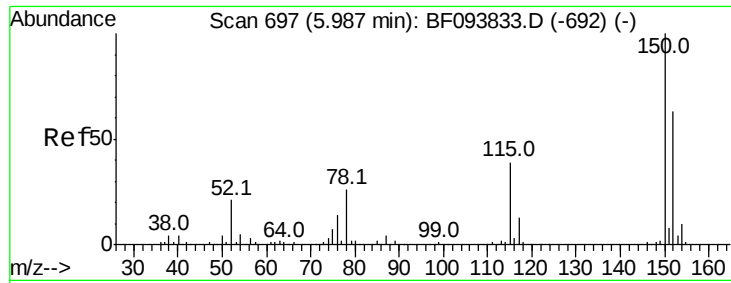
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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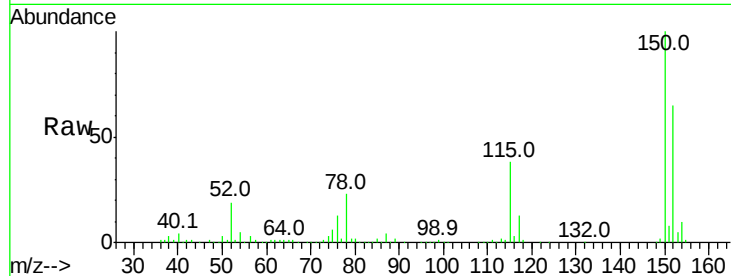


#1

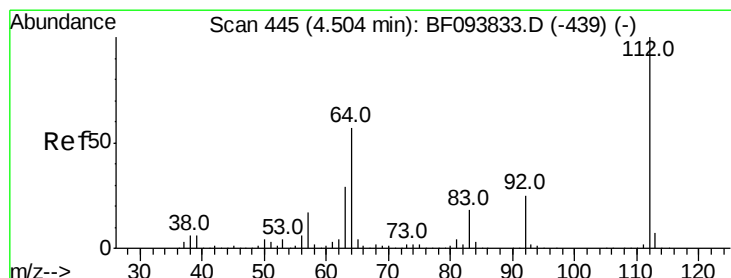
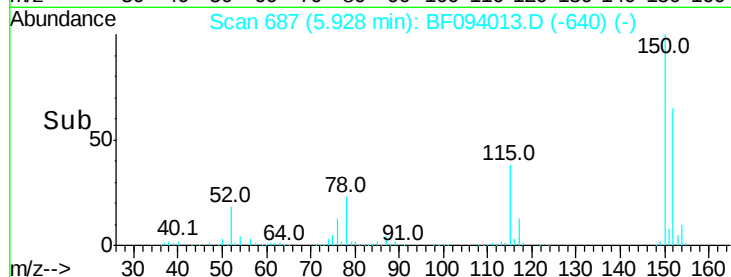
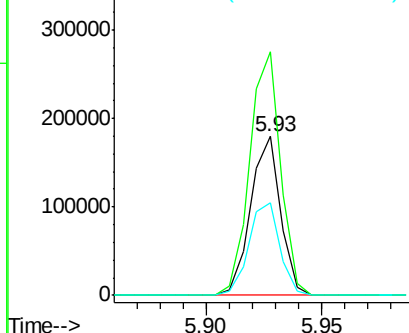
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162653
Ion Ratio Lower Upper
152 100
150 153.6 126.2 189.2
115 58.7 52.2 78.2



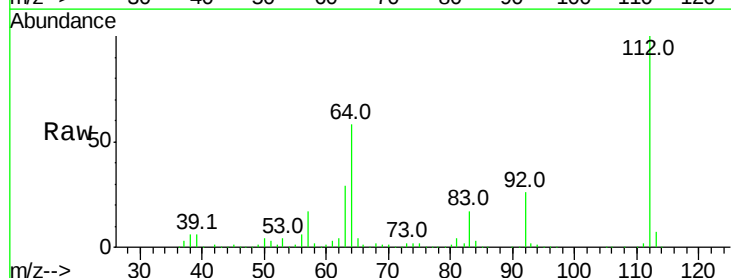
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



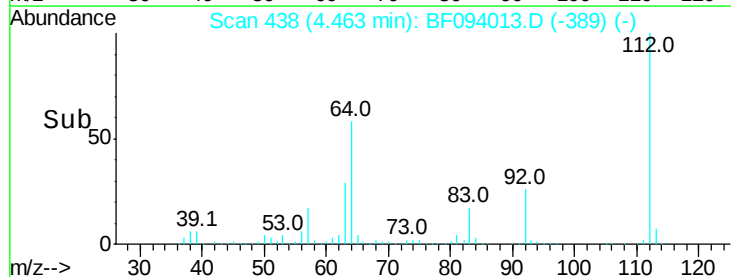
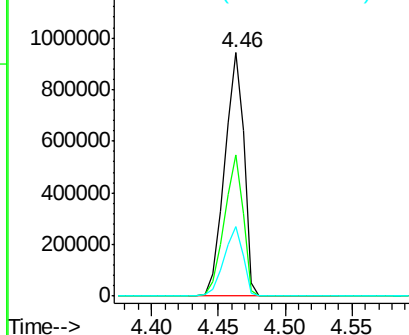
#5

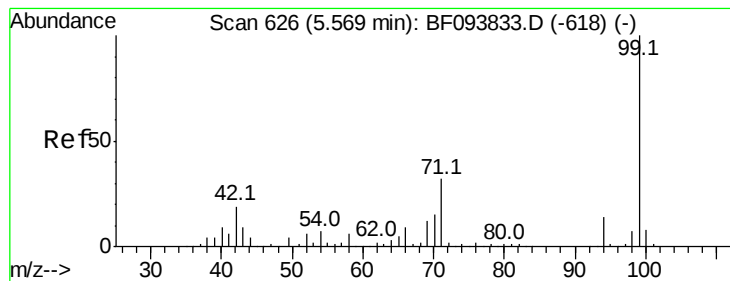
2-Fluorophenol
Concen: 100.33 ng
RT: 4.46 min Scan# 438
Delta R.T. -0.01 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion:112 Resp: 966157
Ion Ratio Lower Upper
112 100
64 58.2 46.0 69.0
63 28.6 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: 106.71 ng

RT: 5.53 min Scan# 619

Delta R.T. -0.02 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampled :

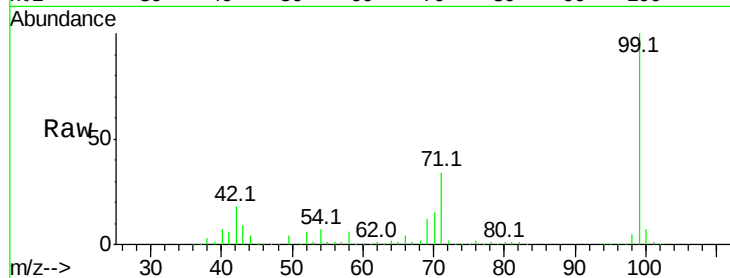
Tot Ion: 99 Resp: 1271234

Ion Ratio Lower Upper

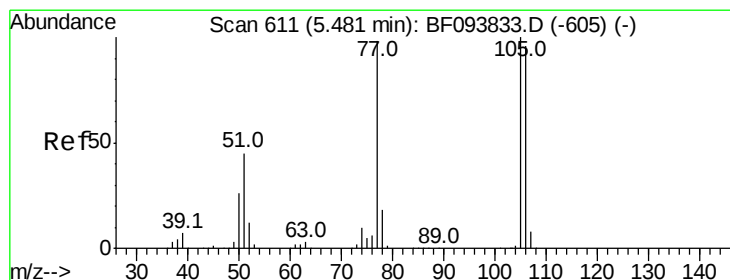
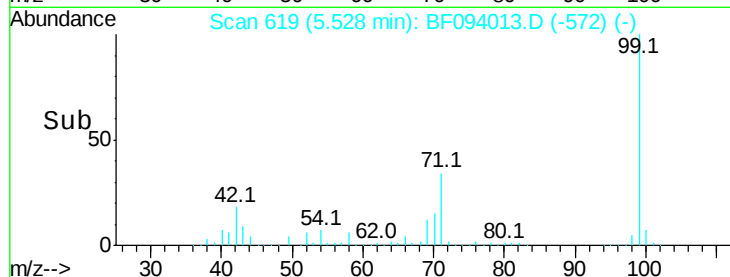
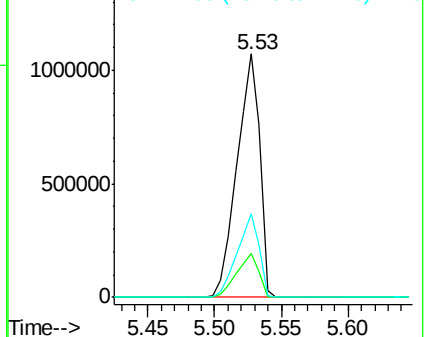
99 100

42 18.1 13.5 20.3

71 34.3 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: 2.80 ng

RT: 5.67 min Scan# 644

Delta R.T. 0.23 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

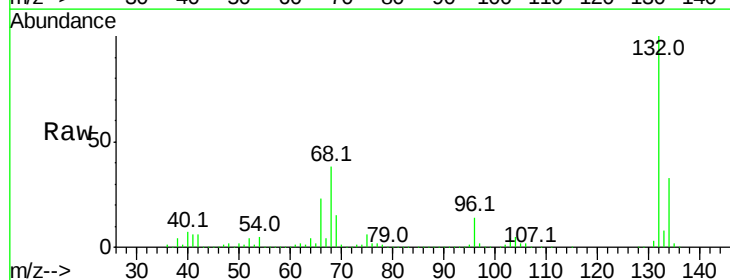
Tgt Ion: 77 Resp: 22487

Ion Ratio Lower Upper

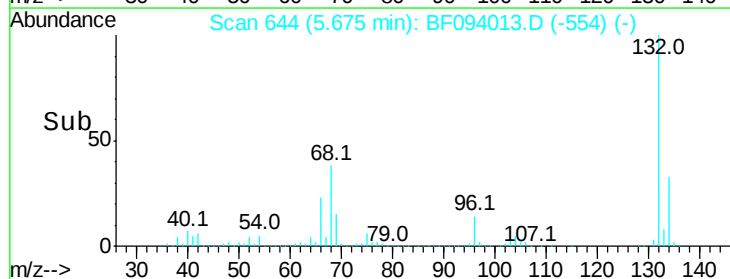
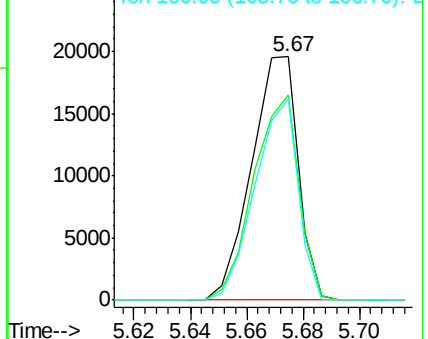
77 100

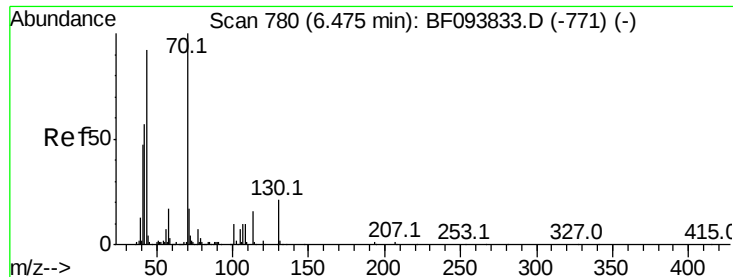
105 84.4 83.8 123.8

106 82.8 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.63 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 111984

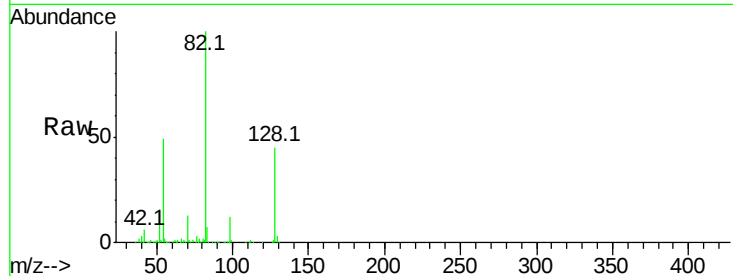
Ion Ratio Lower Upper

70 100

42 45.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

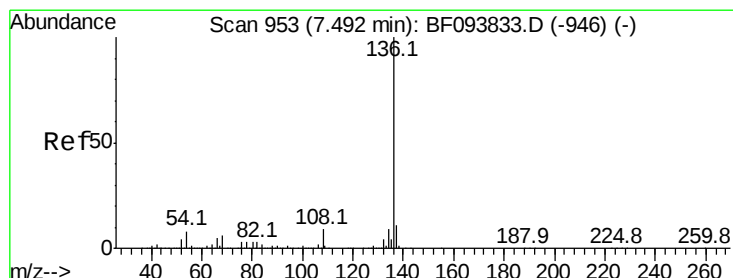
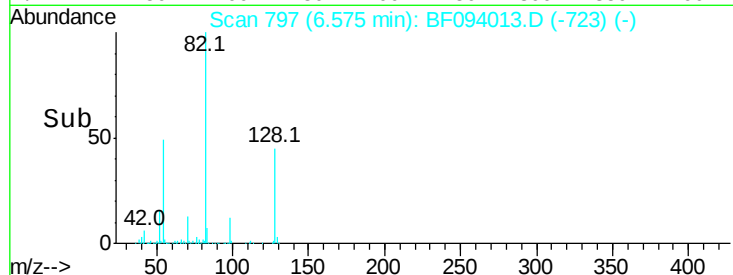
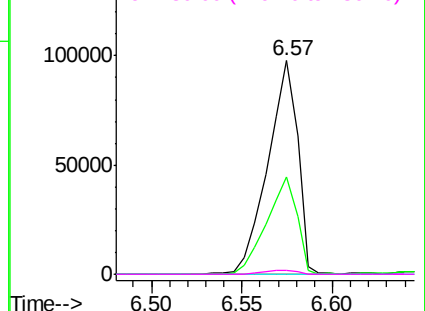


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Tgt Ion: 136 Resp: 675241

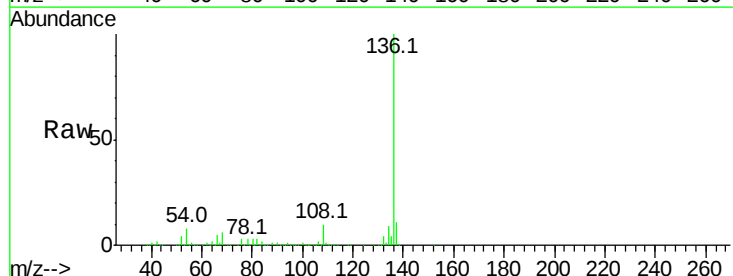
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.5 4.9 7.3#

68 6.1 4.1 6.1

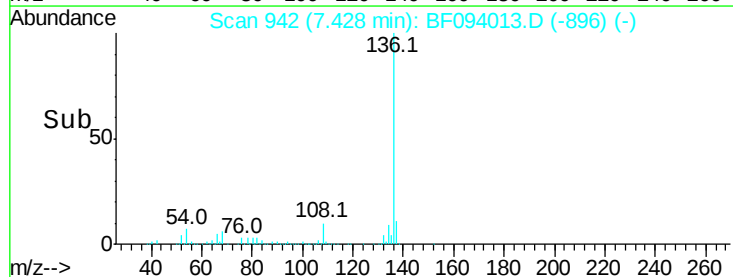
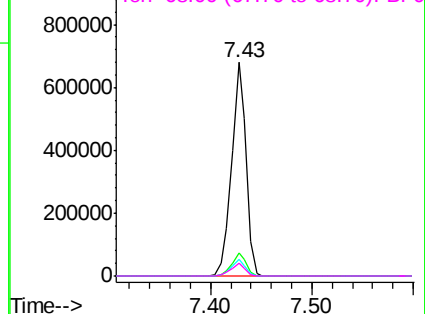


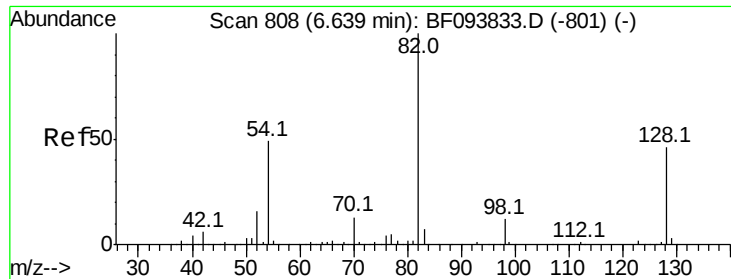
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

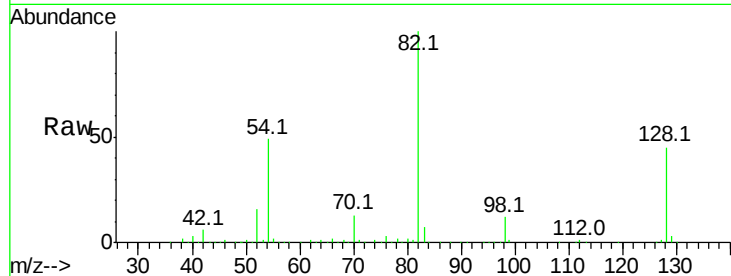




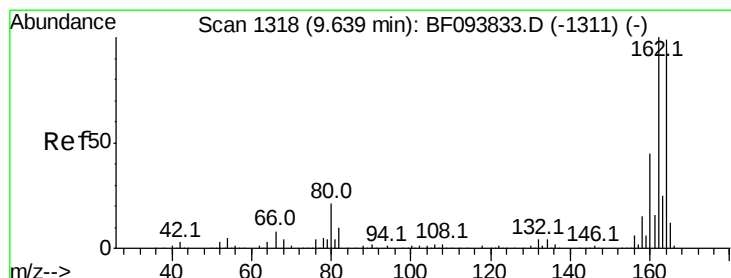
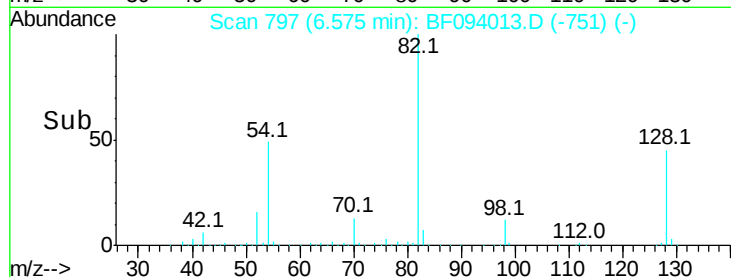
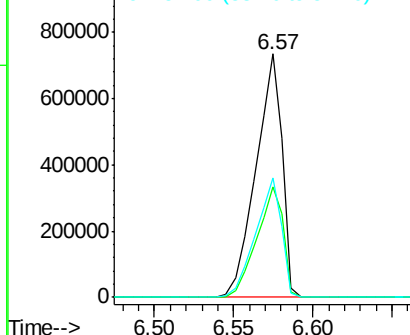
#23
 Nitrobenzene-d5
 Concen: 71.80 ng
 RT: 6.57 min Scan# 797
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 849522
 Ion Ratio Lower Upper
 82 100
 128 45.1 34.0 51.0
 54 49.2 42.2 63.2

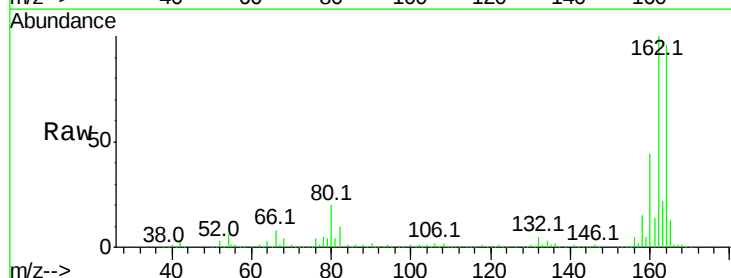


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

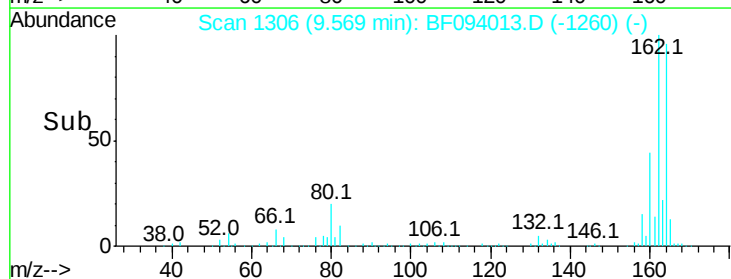
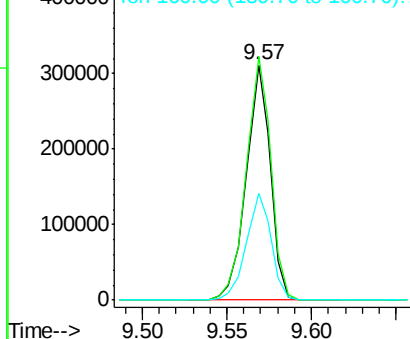


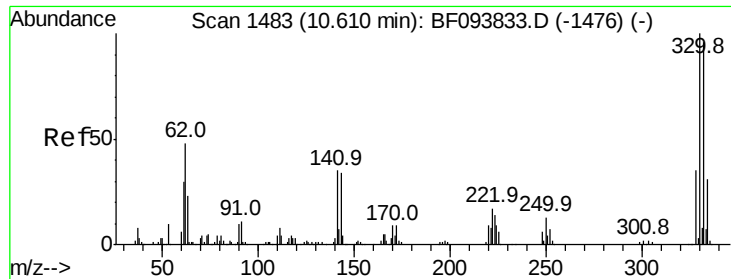
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion:164 Resp: 310328
 Ion Ratio Lower Upper
 164 100
 162 103.7 82.6 123.8
 160 45.6 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

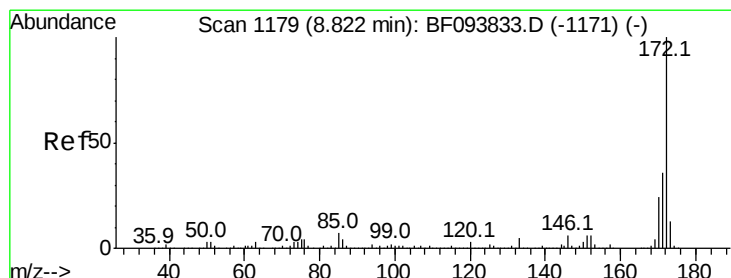
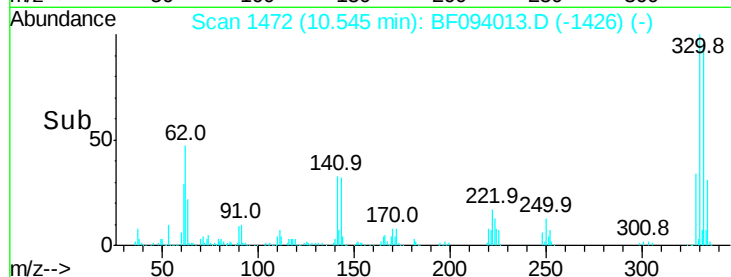
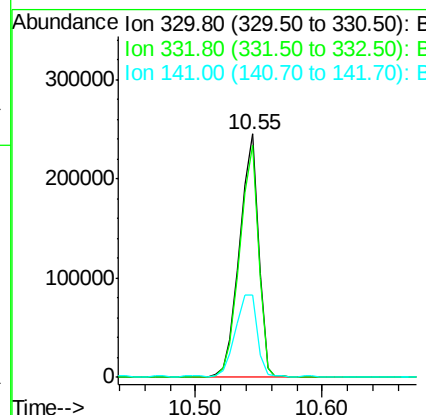
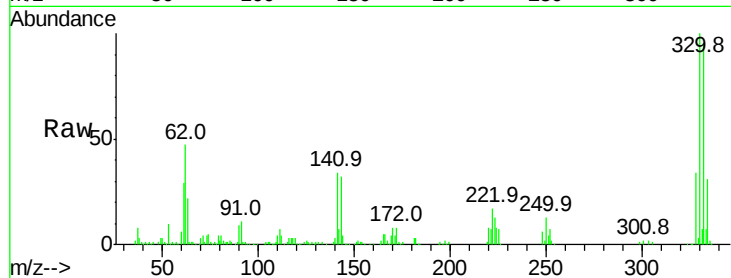




#41
 2,4,6-Tribromophenol
 Concen: 103.21 ng
 RT: 10.55 min Scan# 1472
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

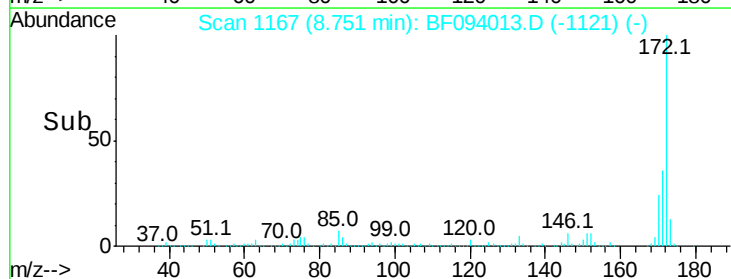
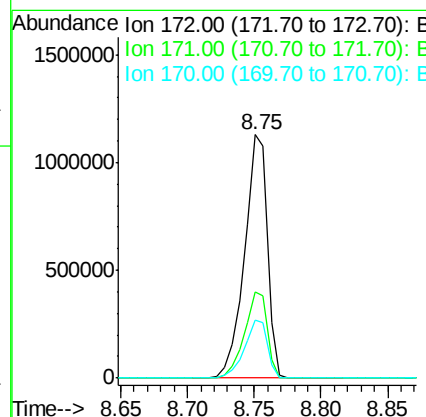
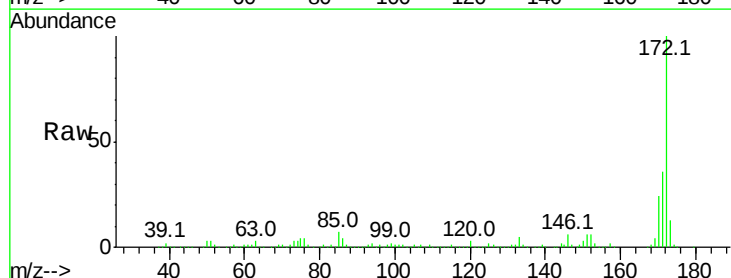
Instrument :
 BNA_F
 ClientSampleId :

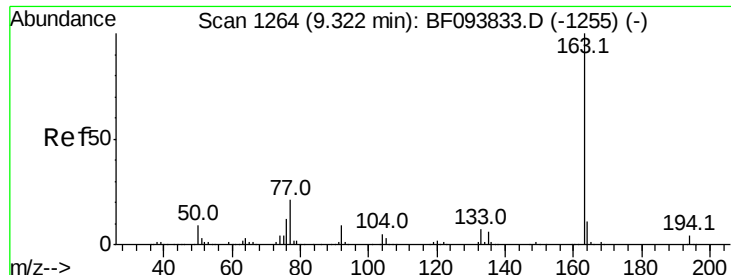
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	38.5	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 65.31 ng
 RT: 8.75 min Scan# 1167
 Delta R.T. -0.03 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.9	19.8	29.8

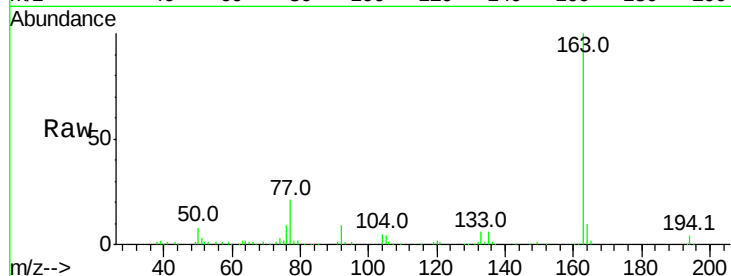




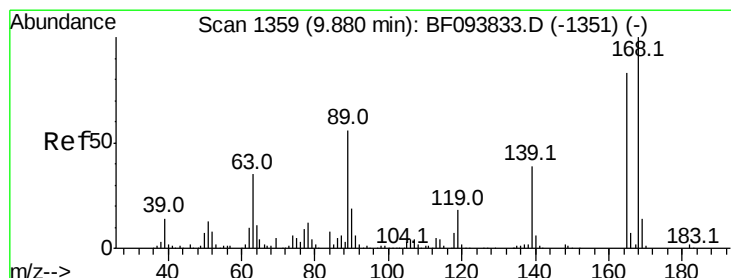
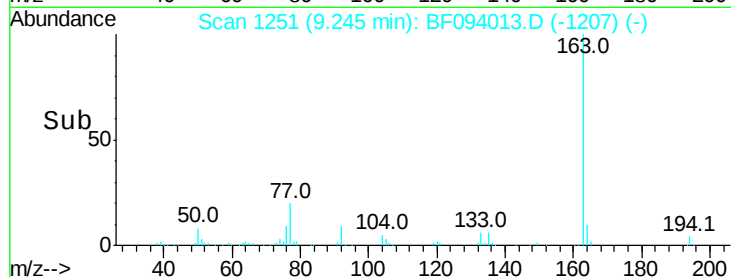
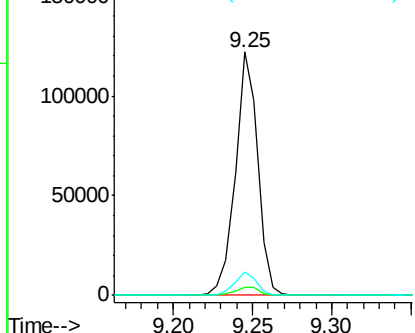
#49
Dimethylphthalate
Concen: 5.42 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 119469
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6

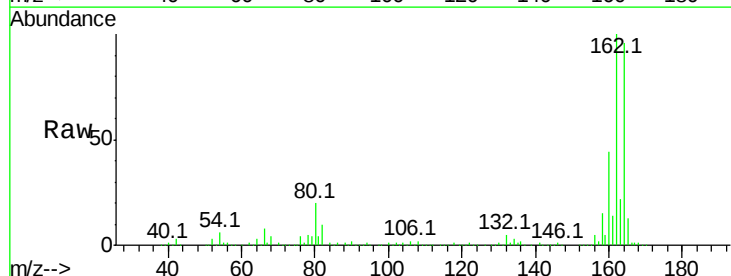


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

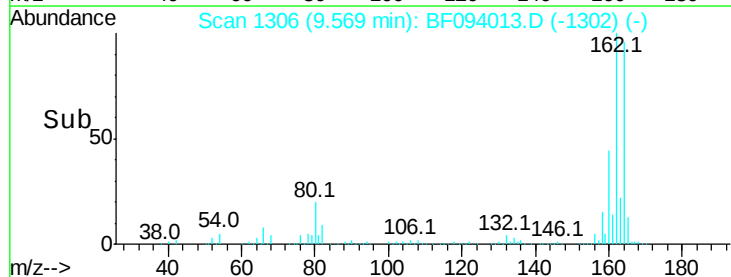
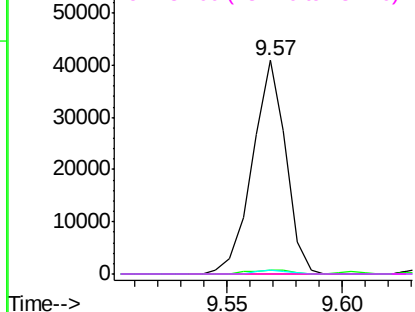


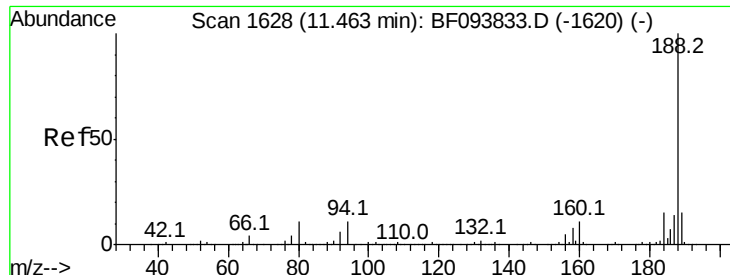
#56
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.28 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion:165 Resp: 41243
Ion Ratio Lower Upper
165 100
63 1.5 25.4 38.0#
89 1.8 46.4 69.6#
182 0.0 1.8 2.6#



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
Ion 182.00 (181.70 to 182.70): E

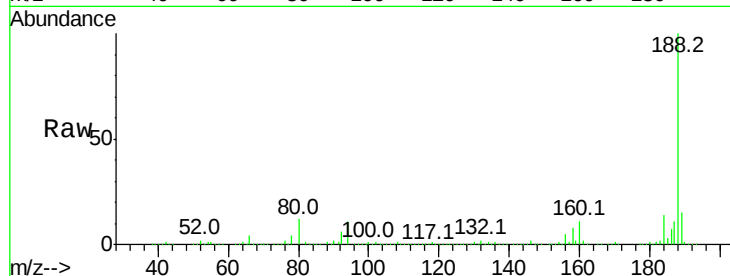




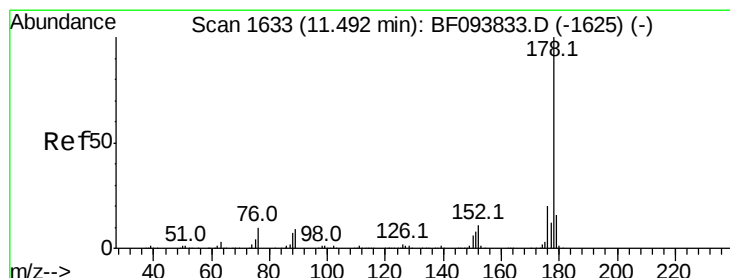
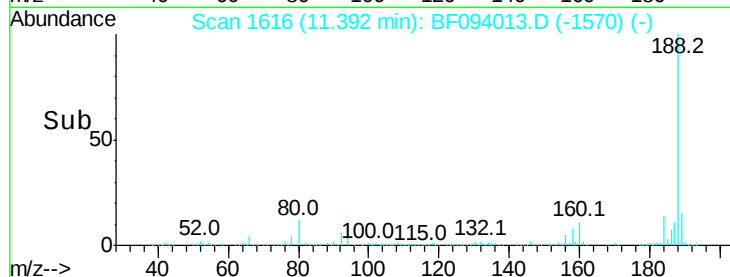
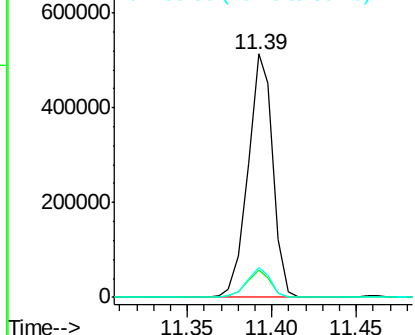
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1616
Delta R.T. -0.03 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 525862
Ion Ratio Lower Upper
188 100
94 11.1 9.4 14.2
80 12.1 10.2 15.2

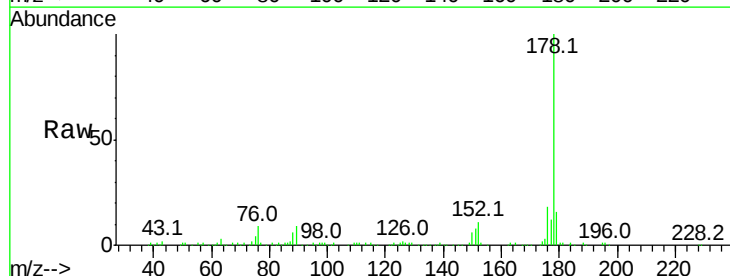


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

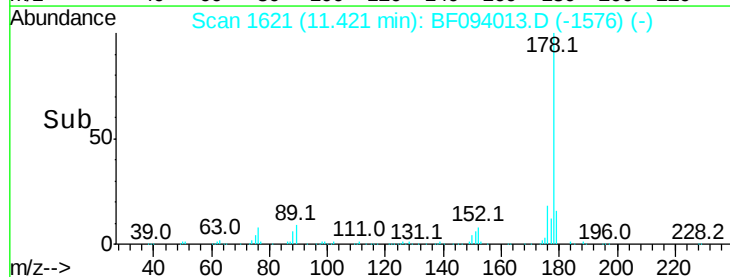
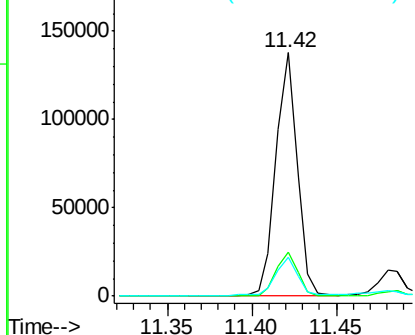


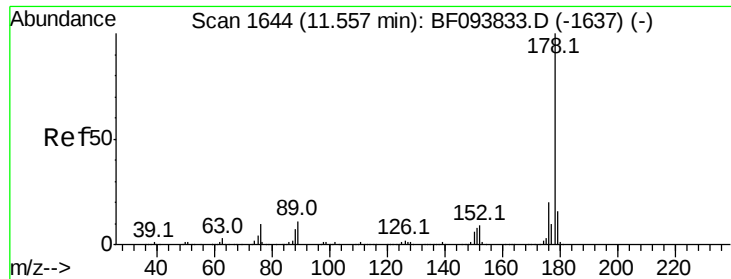
#70
Phenanthrene
Concen: 4.16 ng
RT: 11.42 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion:178 Resp: 121594
Ion Ratio Lower Upper
178 100
176 18.1 16.2 24.4
179 15.9 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

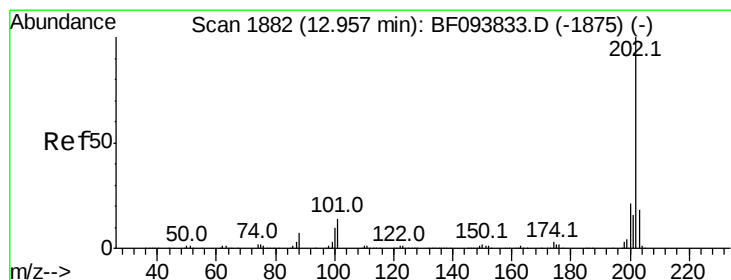
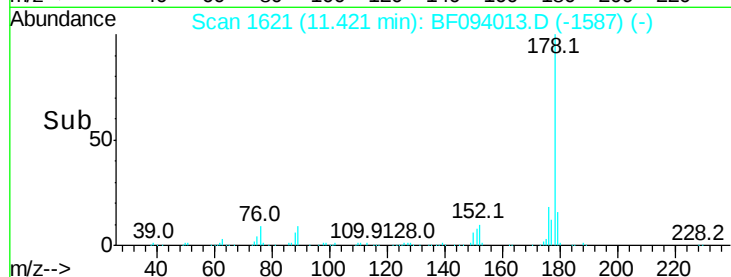
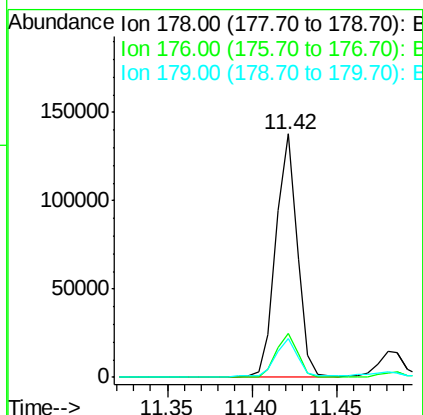
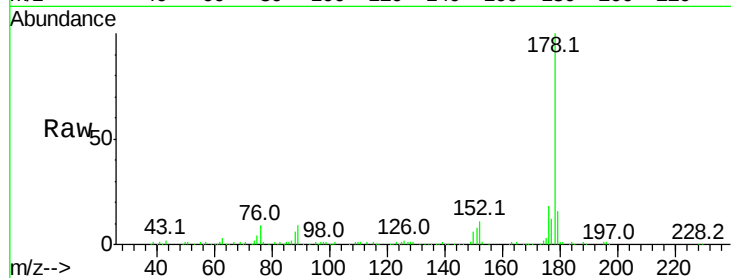




#71
 Anthracene
 Concen: 4.04 ng
 RT: 11.42 min Scan# 1621
 Delta R.T. -0.10 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

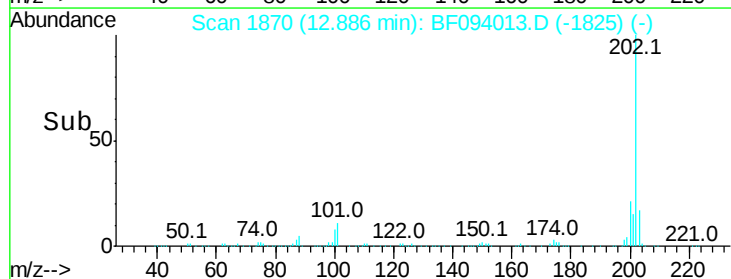
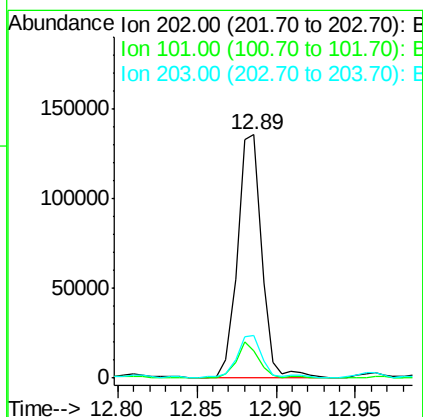
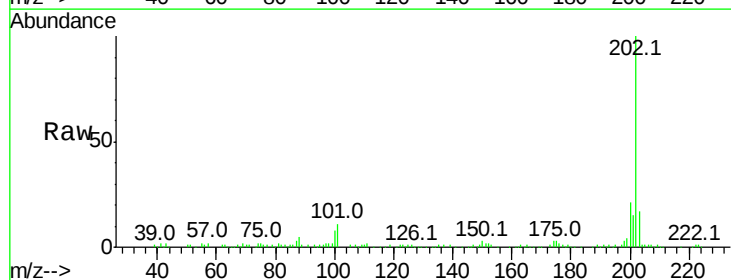
Instrument :
 BNA_F
 ClientSampleId :

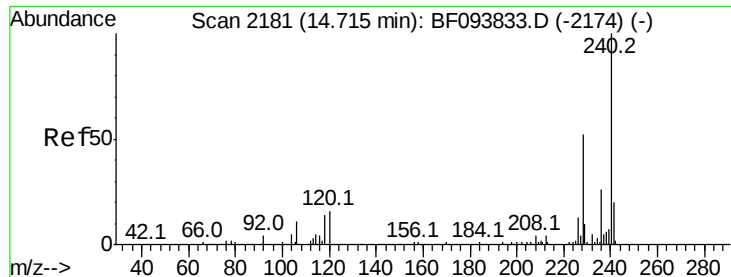
Tot Ion:178 Resp: 121594
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.8 23.8
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 4.83 ng
 RT: 12.89 min Scan# 1870
 Delta R.T. -0.04 min
 Lab File: BF094013.D
 Acq: 29 Mar 2017 00:44

Tgt Ion:202 Resp: 144793
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 33.2
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampled :

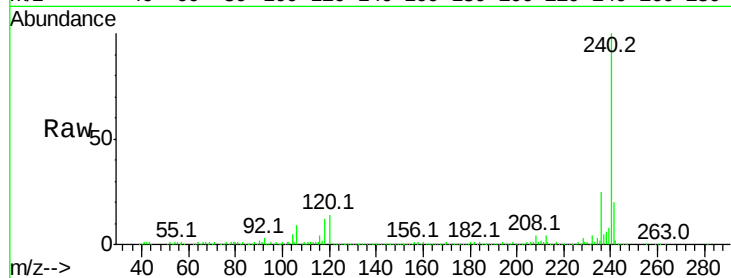
Tot Ion:240 Resp: 354911

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

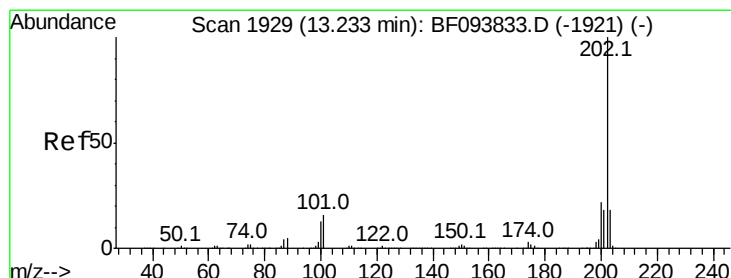
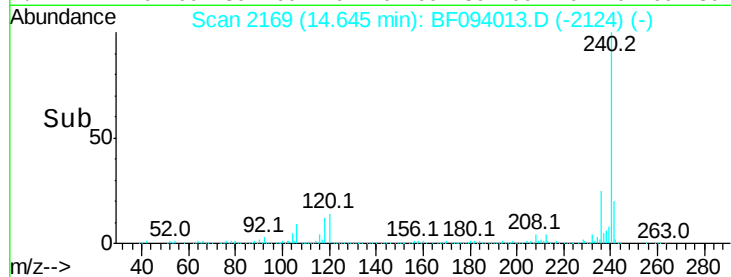
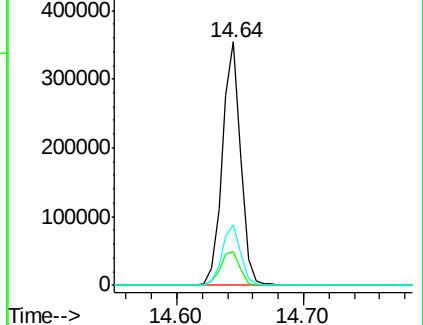
236 25.1 20.5 30.7



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: 5.47 ng

RT: 13.16 min Scan# 1916

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

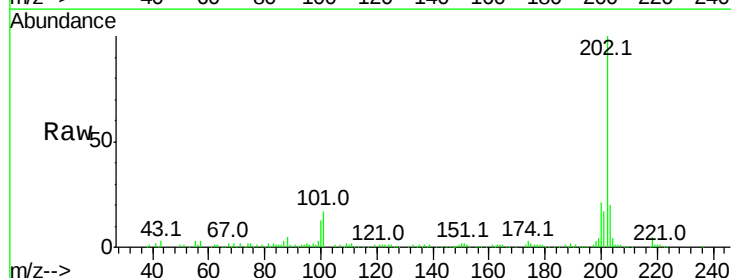
Tgt Ion:202 Resp: 140989

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

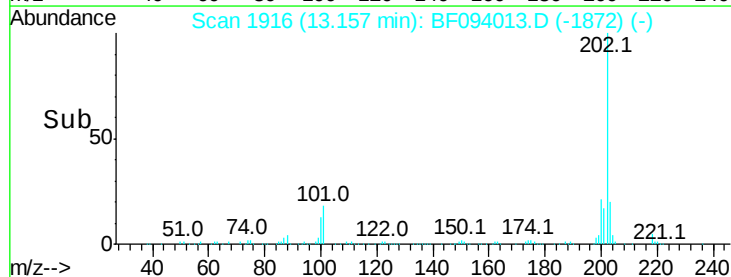
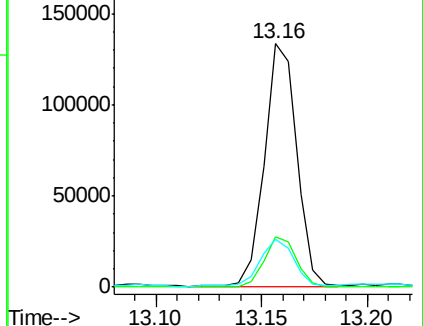
203 19.7 14.4 21.6

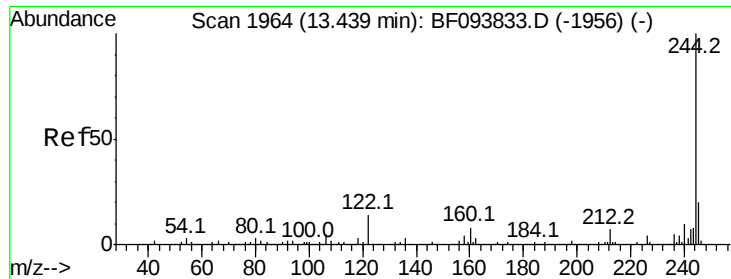


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.28 ng

RT: 13.37 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampleId :

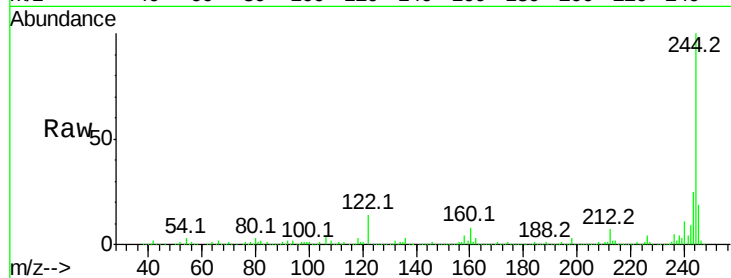
Tot Ion:244 Resp: 875335

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

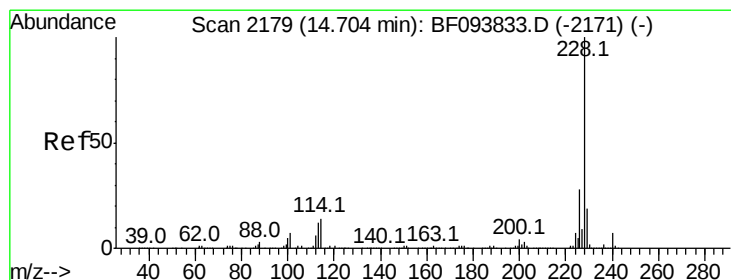
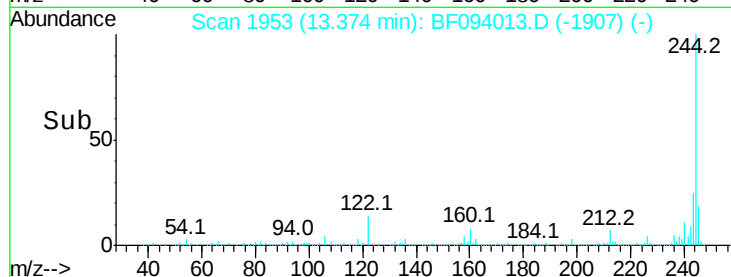
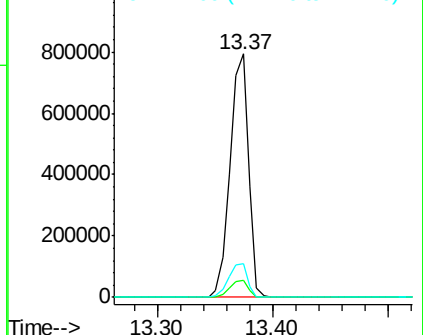
122 13.6 10.3 15.5



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: 2.62 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

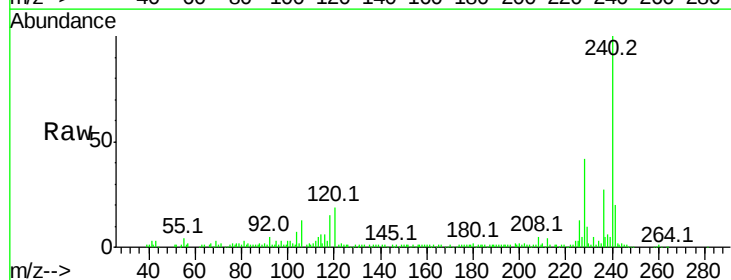
Tgt Ion:228 Resp: 54171

Ion Ratio Lower Upper

228 100

226 31.5 22.6 33.8

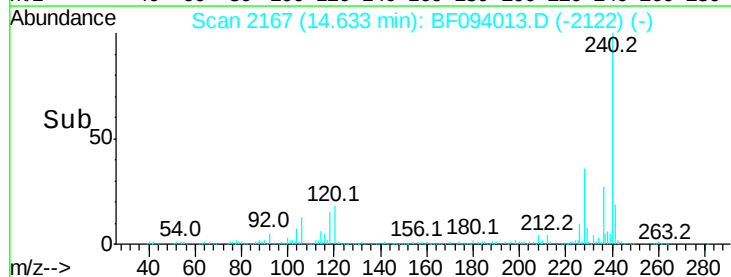
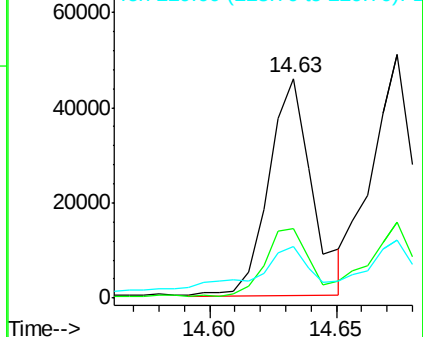
229 23.4 16.3 24.5

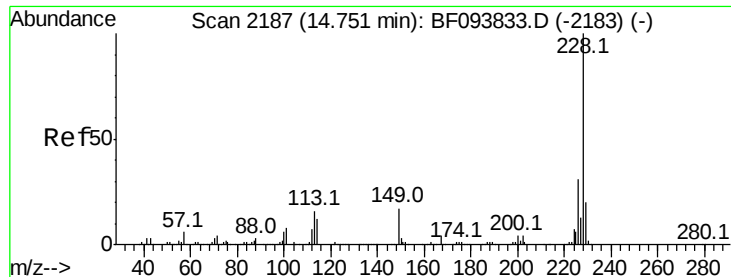


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.82 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.08 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampleId :

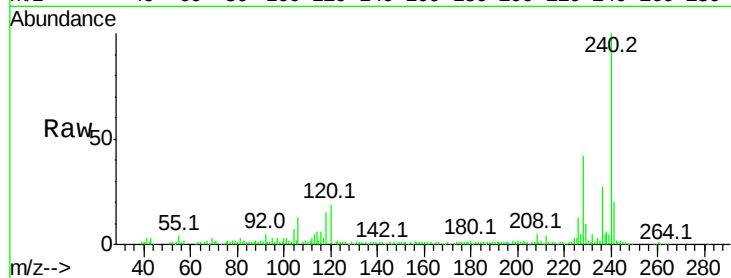
Tot Ion:228 Resp: 54171

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

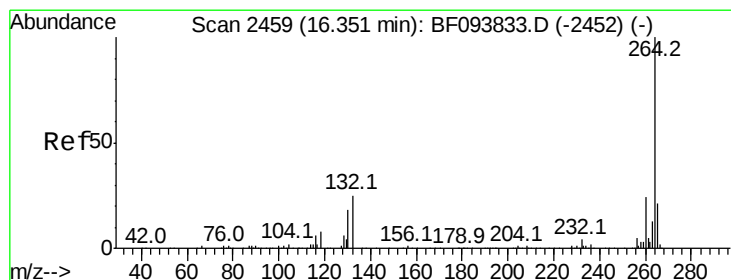
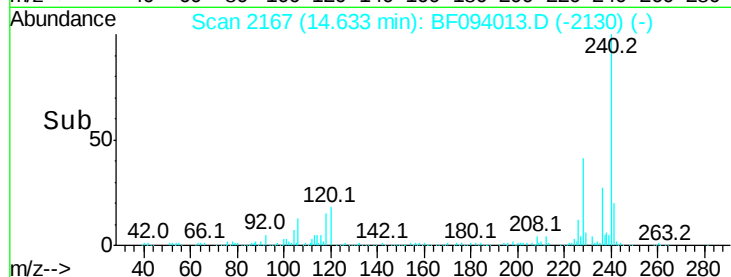
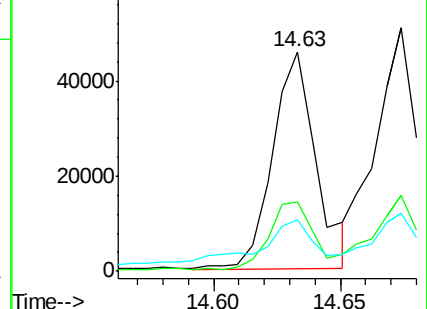
229 23.4 15.8 23.6



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: 16.27 min Scan# 2446

Delta R.T. -0.04 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

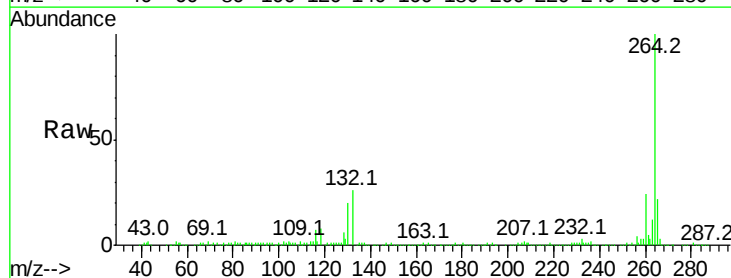
Tgt Ion:264 Resp: 274233

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

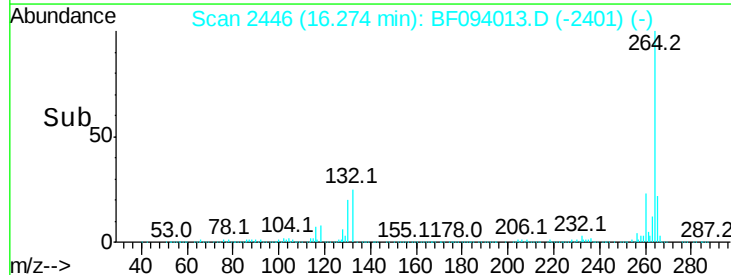
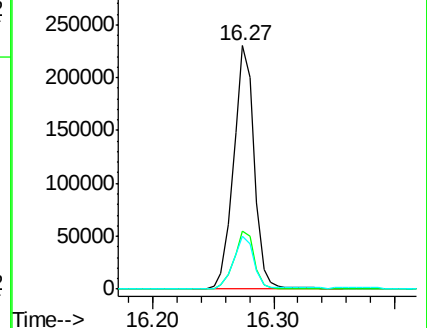
265 21.8 17.2 25.8

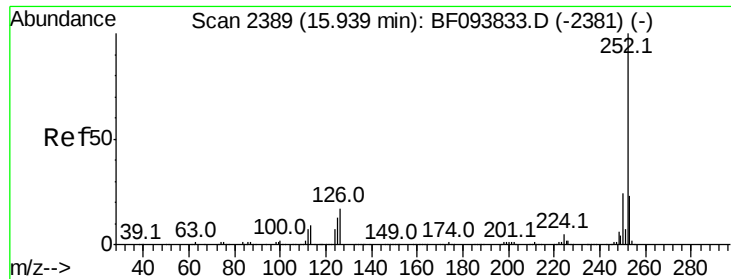


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.08 ng

RT: 15.86 min Scan# 2376

Delta R.T. -0.04 min

Lab File: BF094013.D

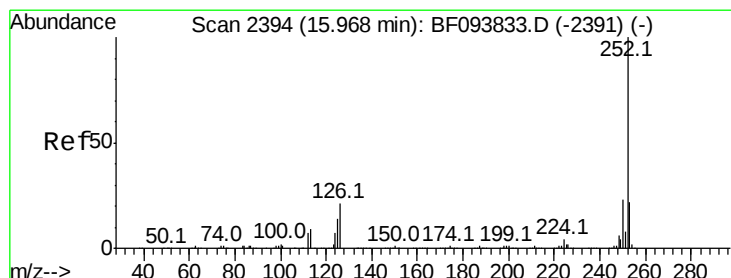
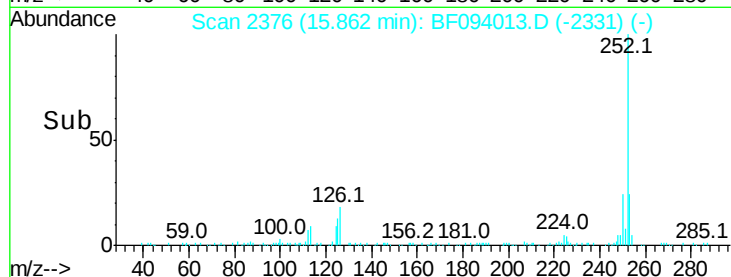
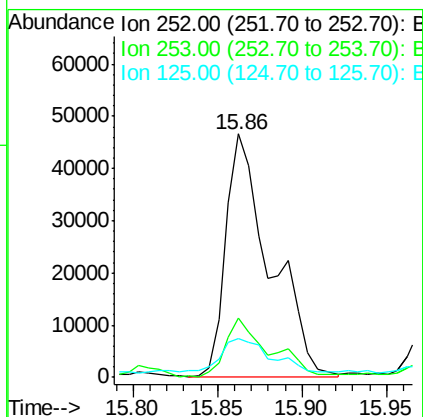
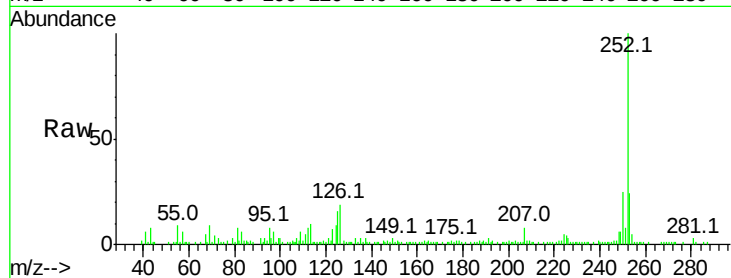
Acq: 29 Mar 2017 00:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	85470
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.1 27.1
125	15.7	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.20 ng

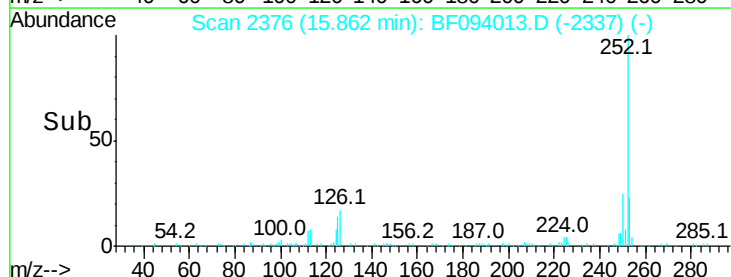
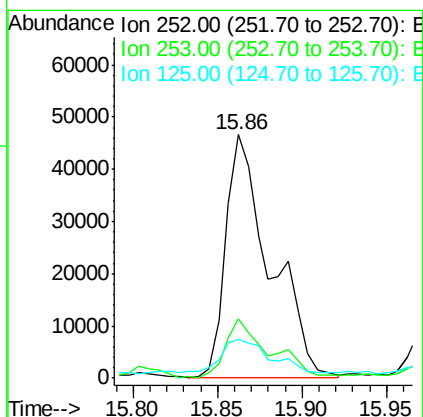
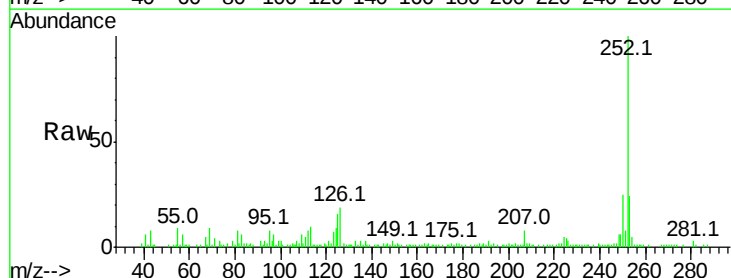
RT: 15.86 min Scan# 2376

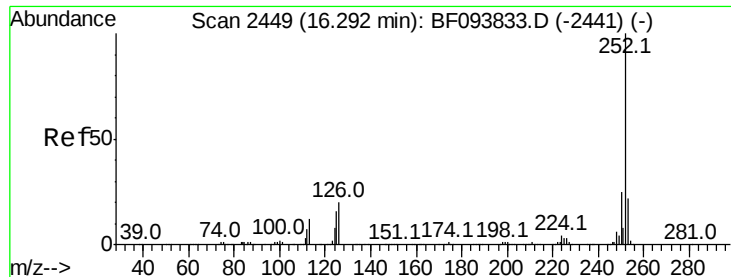
Delta R.T. -0.07 min

Lab File: BF094013.D

Acq: 29 Mar 2017 00:44

Tgt Ion:252	Resp:	85470
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.4 27.6
125	15.7	13.1 19.7

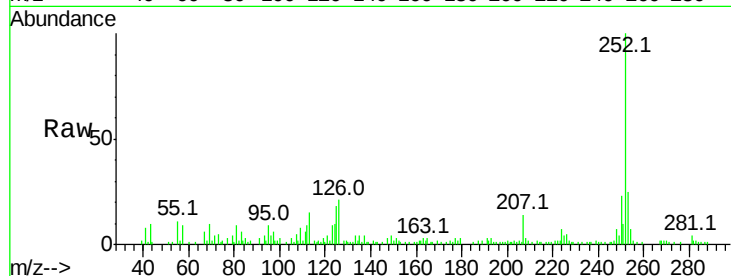




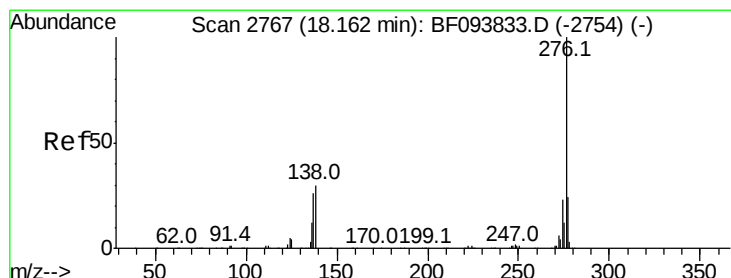
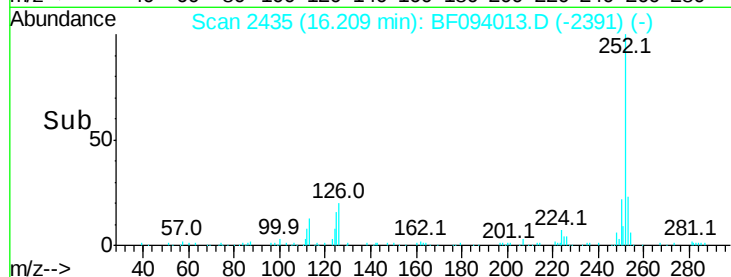
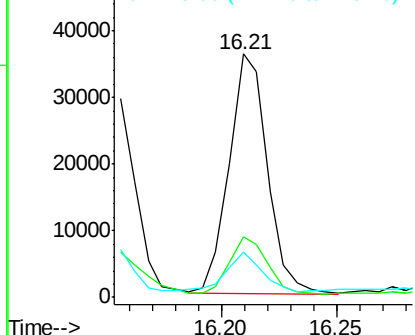
#89
Benzo(a)pyrene
Concen: 2.69 ng
RT: 16.21 min Scan# 2435
Delta R.T. -0.04 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 41614
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 18.4 11.0 16.4#

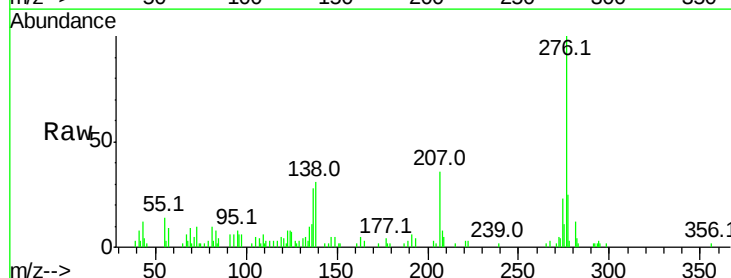


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.57 ng
RT: 18.02 min Scan# 2743
Delta R.T. -0.08 min
Lab File: BF094013.D
Acq: 29 Mar 2017 00:44

Tgt Ion:276 Resp: 33986
Ion Ratio Lower Upper
276 100
277 24.5 18.6 28.0
138 31.4 25.4 38.0



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

