

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093868.D
 Acq On : 23 Mar 2017 8:08
 Operator : SJ/MA
 Sample : I2350-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 23 08:28:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 23 02:02:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	202106	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	798719	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	348427	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	574082	20.00	ng	0.00
75) Chrysene-d12	14.71	240	357636	20.00	ng	0.00
86) Perylene-d12	16.35	264	313215	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.52	112	1279328	106.91	ng	0.01
7) Phenol-d6	5.57	99	1625855	109.83	ng	0.00
23) Nitrobenzene-d5	6.63	82	1012394	72.34	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	290793	105.62	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	1623562	71.07	ng	0.00
78) Terphenyl-d14	13.44	244	1072032	67.19	ng	0.00

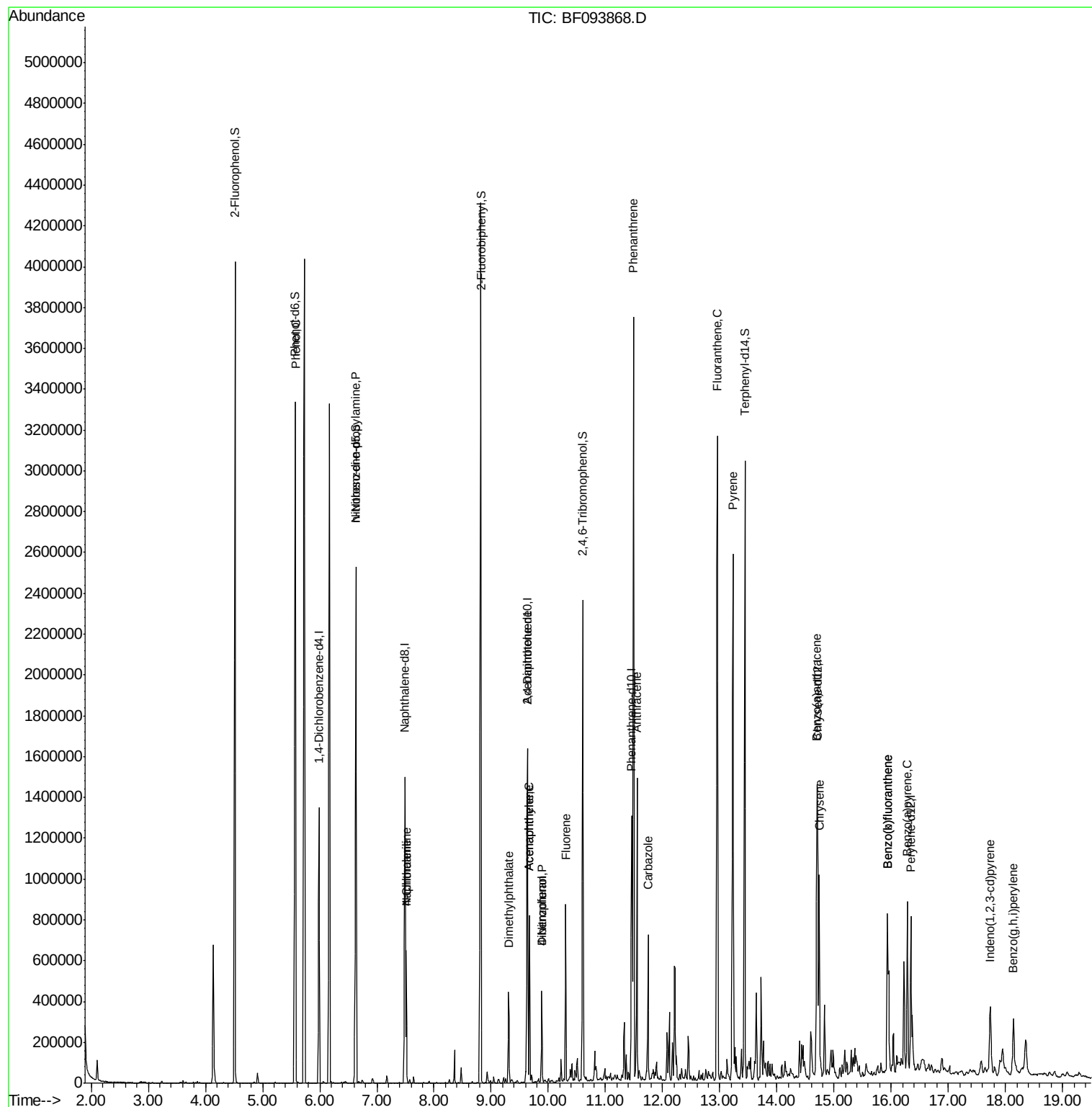
Target Compounds						Qvalue
10) Phenol	5.58	94	67582	4.01	ng	94
19) n-Nitroso-di-n-propylamine	6.63	70	135783	14.27	ng	# 77
31) Naphthalene	7.52	128	296644	7.72	ng	98
33) 4-Chloroaniline	7.52	127	37921	2.44	ng	# 35
48) Acenaphthylene	9.67	152	106373	2.91	ng	# 1
49) Dimethylphthalate	9.30	163	181682	7.34	ng	98
51) Acenaphthene	9.67	154	192852	9.04	ng	97
54) Dibenzofuran	9.89	168	192382	6.62	ng	96
55) 4-Nitrophenol	9.88	139	69701	13.35	ng	# 27
56) 2,4-Dinitrotoluene	9.63	165	46403	6.51	ng	# 34
57) Fluorene	10.30	166	247858	10.29	ng	100
70) Phenanthrene	11.49	178	1655696	51.85	ng	99
71) Anthracene	11.55	178	570360	17.35	ng	98
72) Carbazole	11.74	167	299644	8.89	ng	98
74) Fluoranthene	12.96	202	1522742	46.57	ng	99
77) Pyrene	13.23	202	1236385	47.64	ng	98
80) Benzo(a)anthracene	14.70	228	463072	22.20	ng	99
82) Chrysene	14.74	228	416591	21.53	ng	97
85) Indeno(1,2,3-cd)pyrene	17.73	276	214513	12.80	ng	95
87) Benzo(b)fluoranthene	15.93	252	613088	31.93	ng	# 97
88) Benzo(k)fluoranthene	15.93	252	613088	32.64	ng	99
89) Benzo(a)pyrene	16.29	252	364159	20.60	ng	99
91) Benzo(g,h,i)perylene	18.14	276	201212	13.33	ng	98

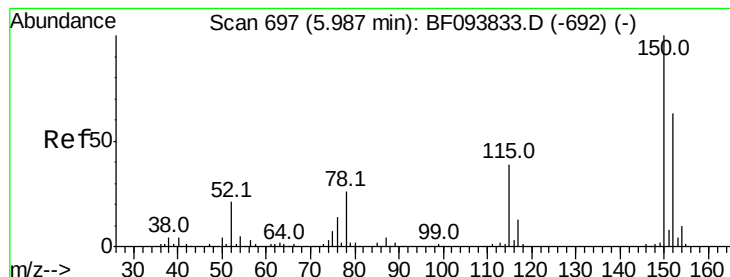
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampled :

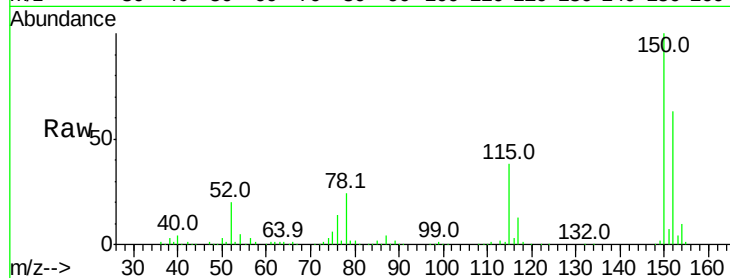
Tot Ion:152 Resp: 202106

Ion Ratio Lower Upper

152 100

150 158.7 126.2 189.2

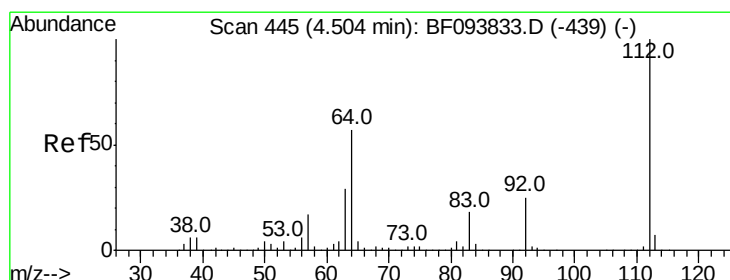
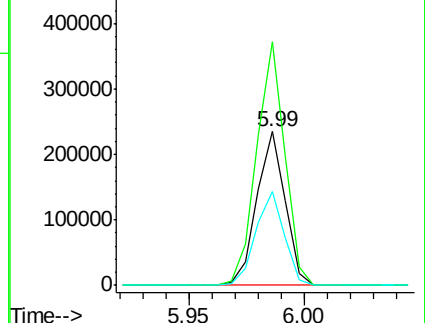
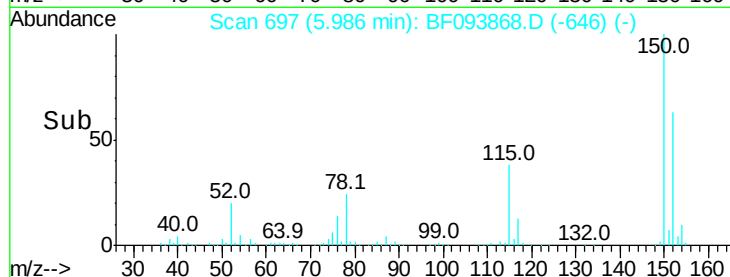
115 61.0 52.2 78.2



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: 106.91 ng

RT: 4.52 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

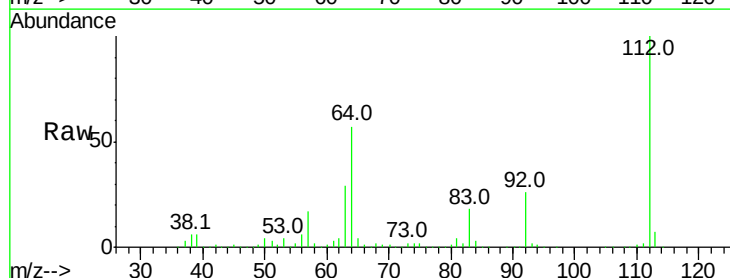
Tgt Ion:112 Resp: 1279328

Ion Ratio Lower Upper

112 100

64 57.4 46.0 69.0

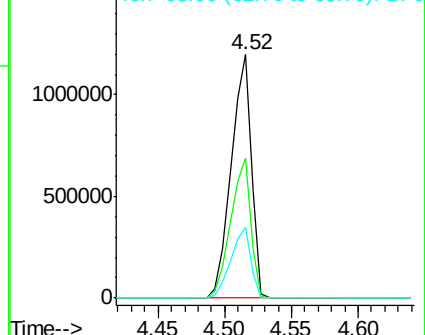
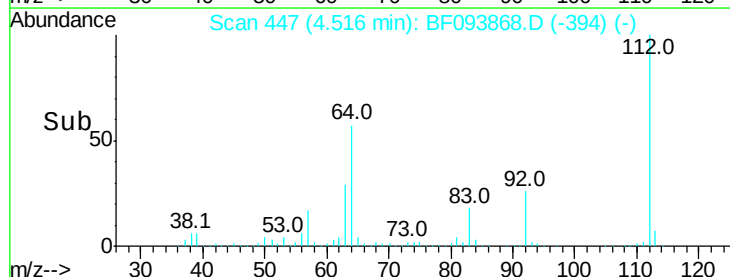
63 28.9 23.4 35.0

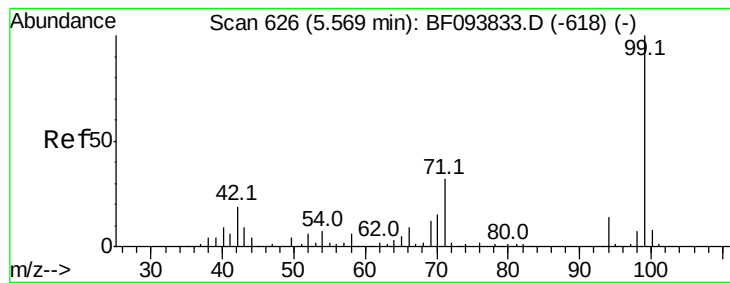


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.83 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

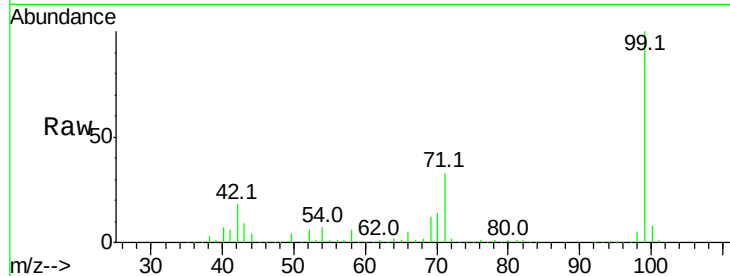
Tot Ion: 99 Resp: 1625855

Ion	Ratio	Lower	Upper
99	100		
42	18.0	13.5	20.3
71	32.9	24.5	36.7

99 100

42 18.0 13.5 20.3

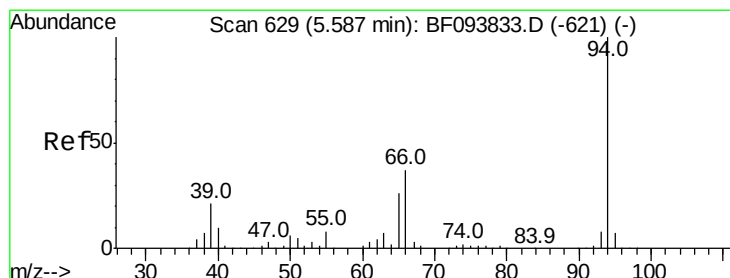
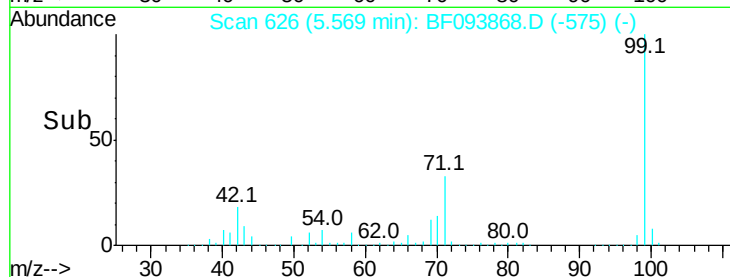
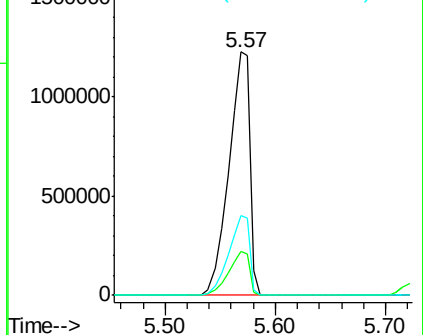
71 32.9 24.5 36.7



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



#10

Phenol

Concen: 4.01 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

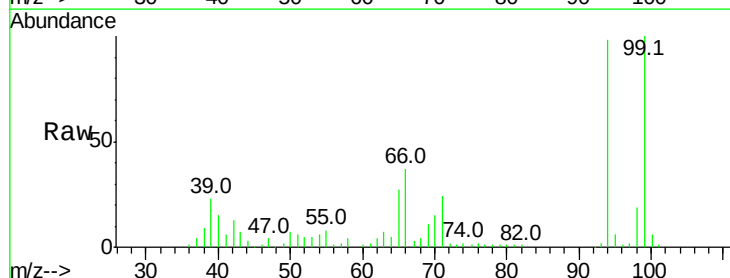
Tgt Ion: 94 Resp: 67582

Ion	Ratio	Lower	Upper
94	100		
65	28.1	9.9	49.9
66	38.1	23.1	63.1

94 100

65 28.1 9.9 49.9

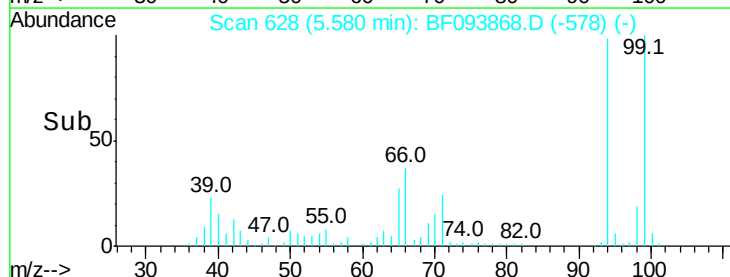
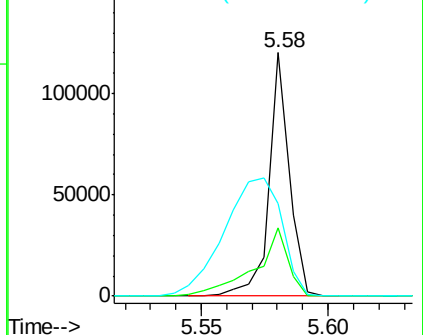
66 38.1 23.1 63.1

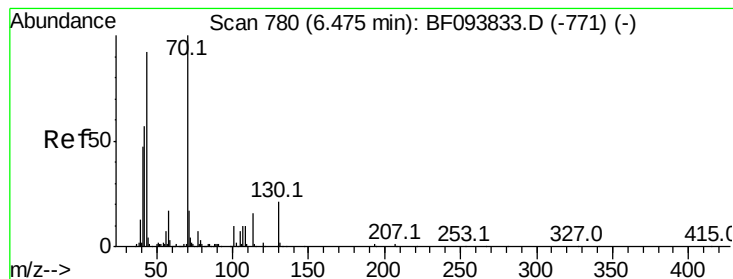


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.27 ng

RT: 6.63 min Scan# 807

Delta R.T. 0.16 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 135783

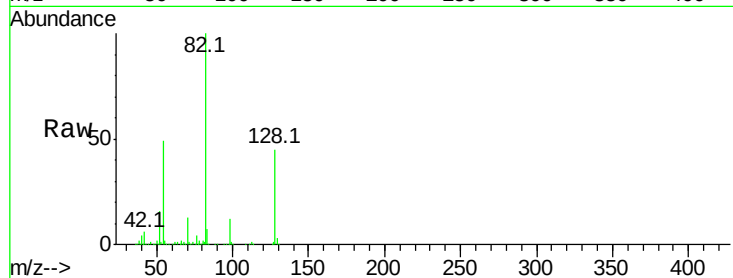
Ion Ratio Lower Upper

70 100

42 46.1 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

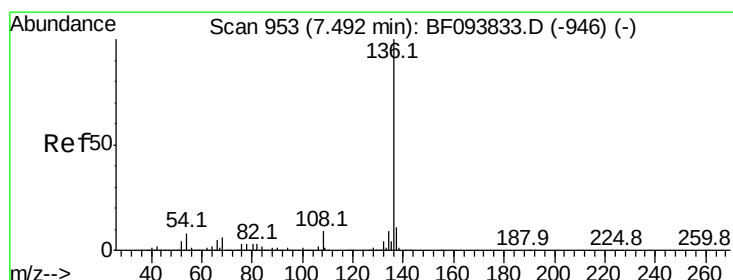
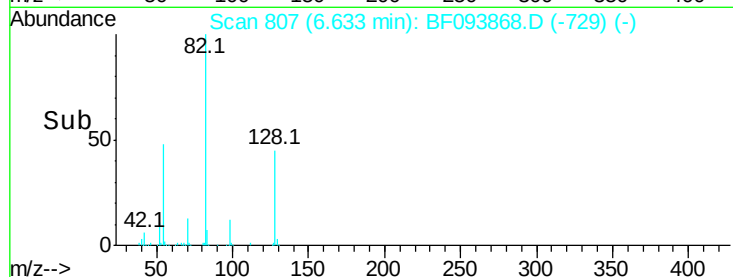
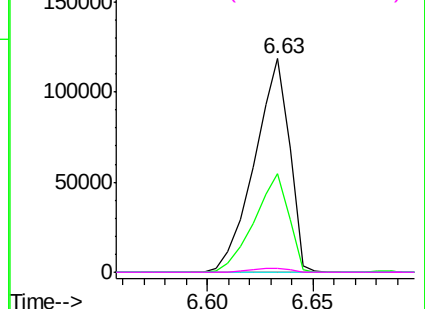


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 953

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Tgt Ion: 136 Resp: 798719

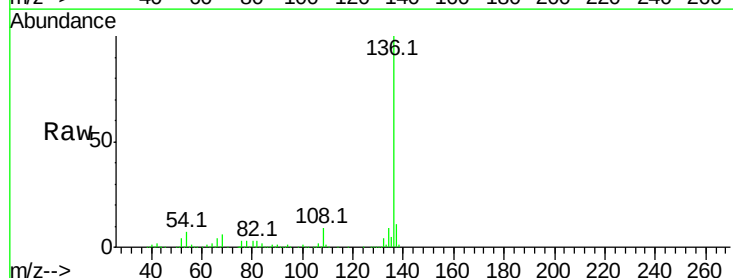
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.1 4.9 7.3

68 5.9 4.1 6.1

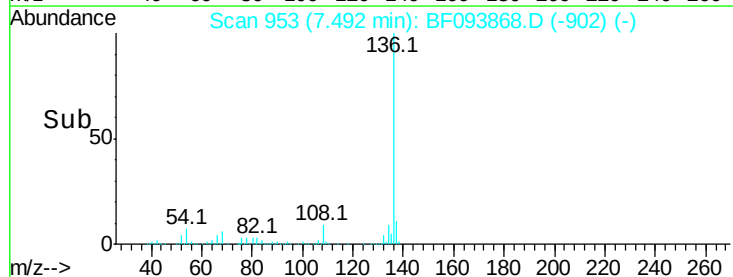
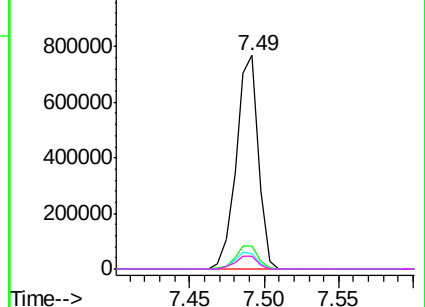


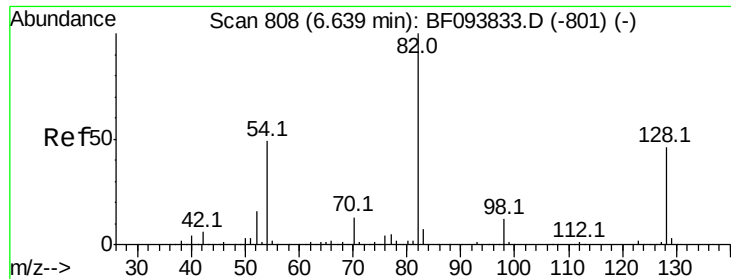
Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.34 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

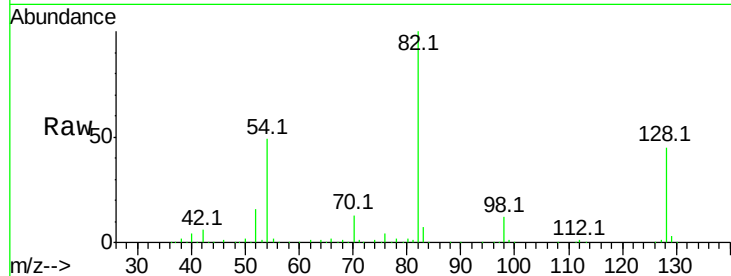
Tot Ion: 82 Resp: 1012394

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

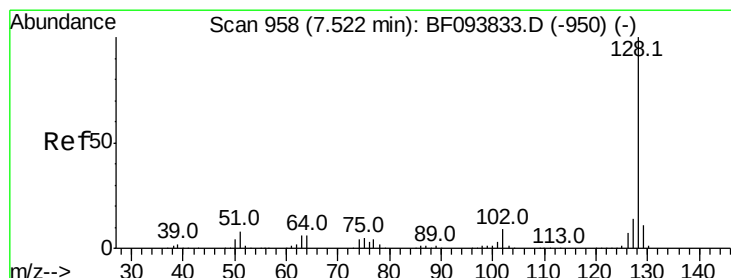
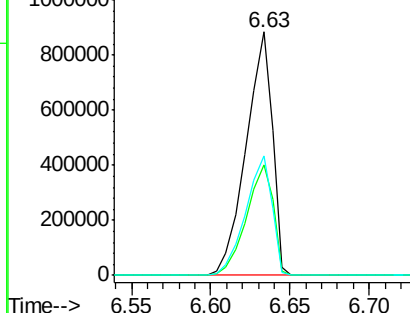
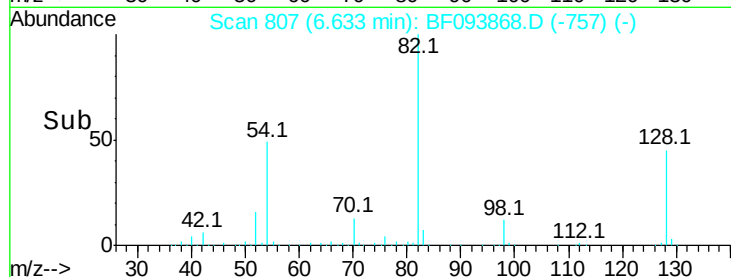
54 49.1 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 7.72 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

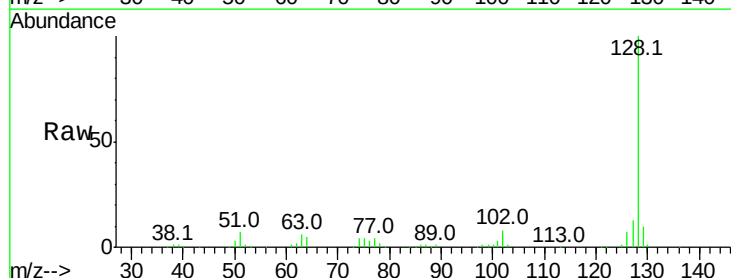
Tgt Ion: 128 Resp: 296644

Ion Ratio Lower Upper

128 100

129 10.3 9.0 13.6

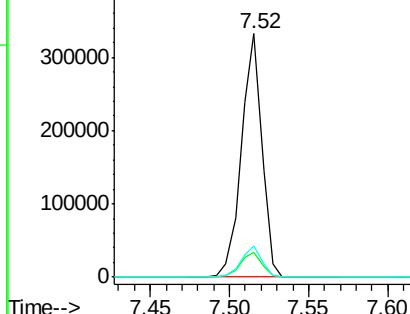
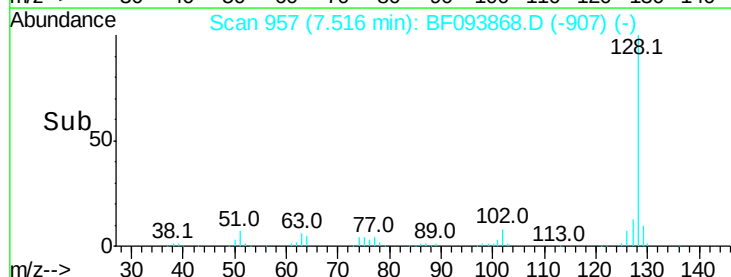
127 12.9 10.8 16.2

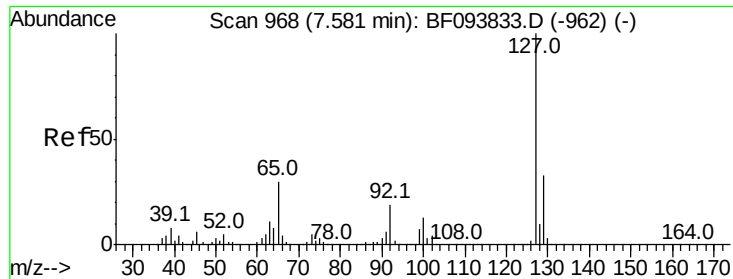


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

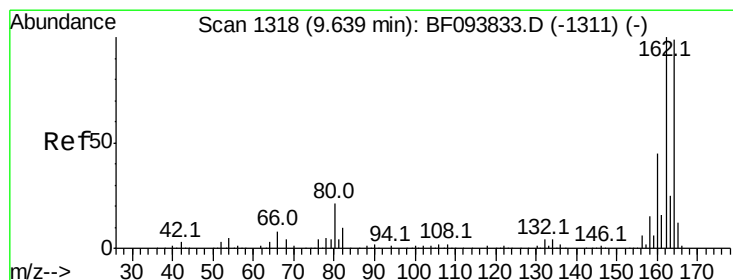
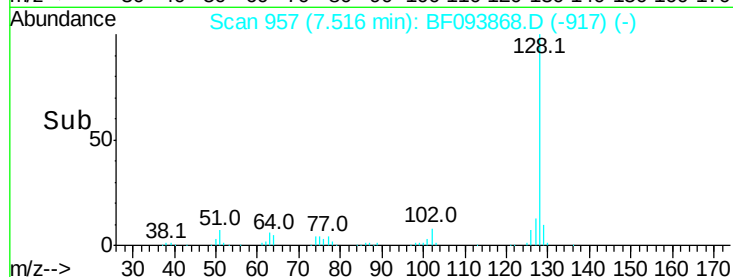
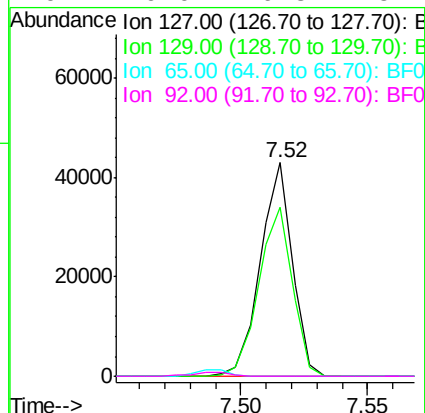
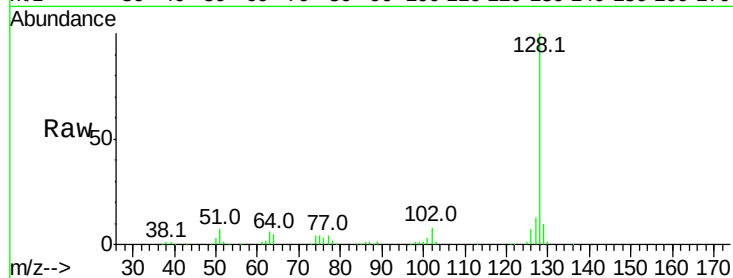




#33
4-Chloroaniline
Concen: 2.44 ng
RT: 7.52 min Scan# 957
Delta R.T. -0.07 min
Lab File: BF093868.D
Acq: 23 Mar 2017 8:08

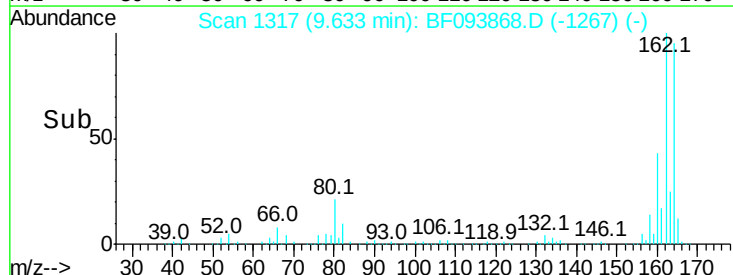
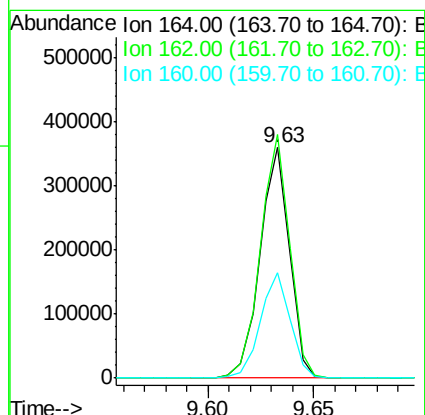
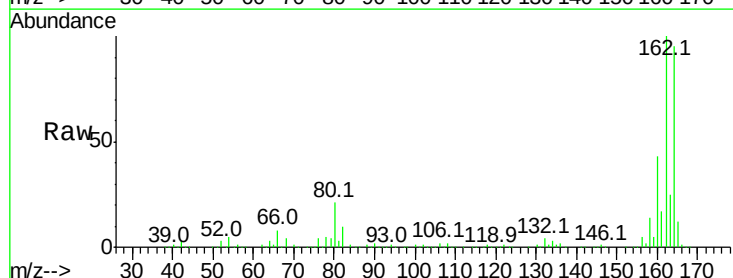
Instrument :
BNA_F
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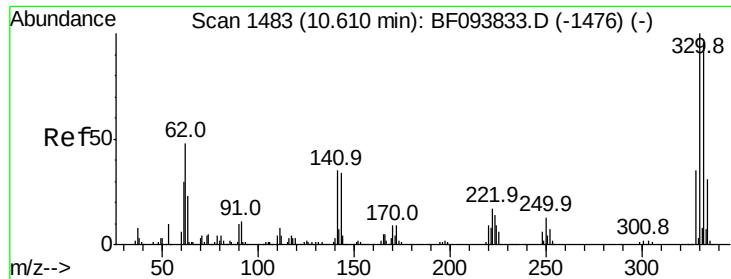
Tot Ion:	127	Resp:	37921
Ion	Ratio	Lower	Upper
127	100		
129	79.3	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093868.D
Acq: 23 Mar 2017 8:08

Tgt Ion:	164	Resp:	348427
Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.6	123.8
160	45.7	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 105.62 ng

RT: 10.60 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

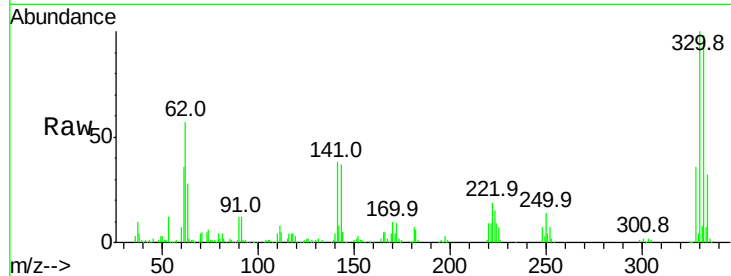
Tot Ion:330 Resp: 290793

Ion Ratio Lower Upper

330 100

332 97.6 76.6 115.0

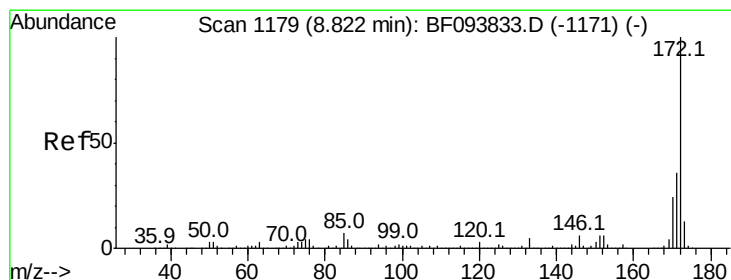
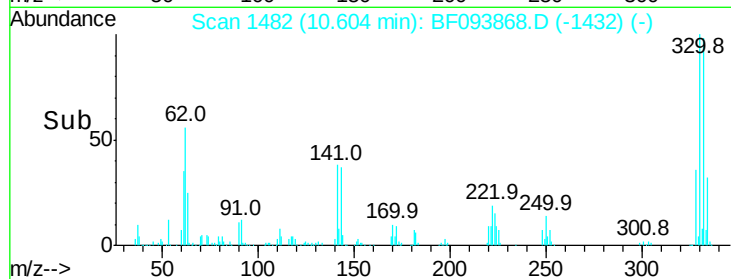
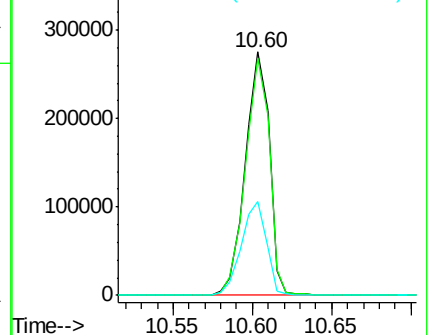
141 40.2 31.4 47.2



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: 71.07 ng

RT: 8.82 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

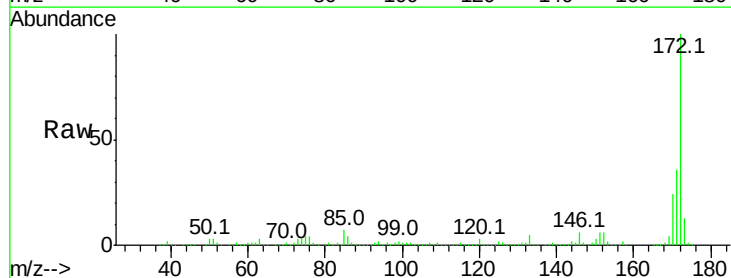
Tgt Ion:172 Resp: 1623562

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

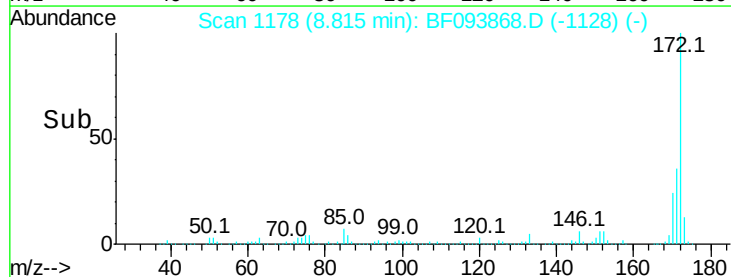
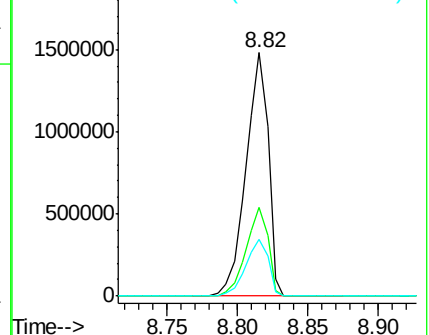
170 23.6 19.8 29.8

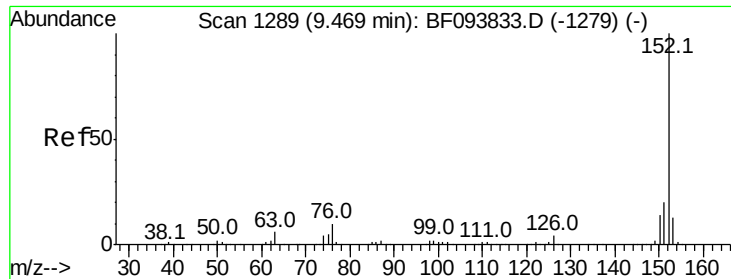


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.91 ng

RT: 9.67 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

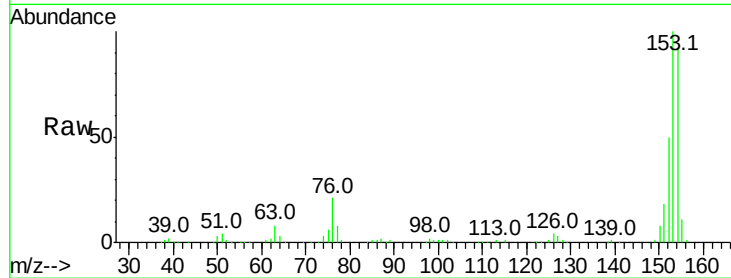
Tot Ion:152 Resp: 106373

Ion Ratio Lower Upper

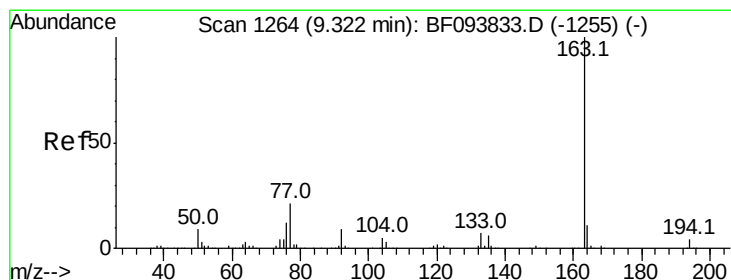
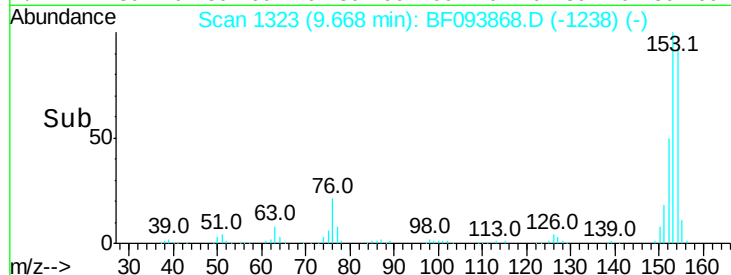
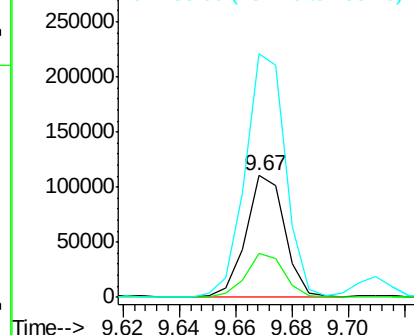
152 100

151 35.7 16.8 25.2#

153 200.1 10.8 16.2#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 7.34 ng

RT: 9.30 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

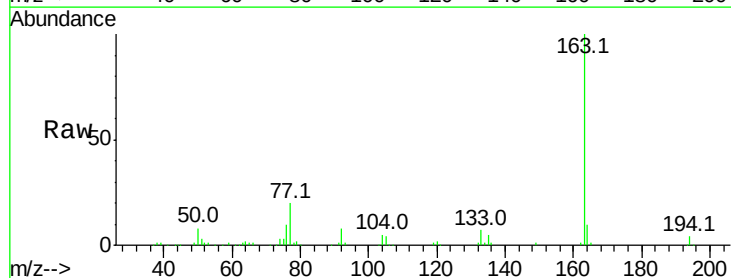
Tgt Ion:163 Resp: 181682

Ion Ratio Lower Upper

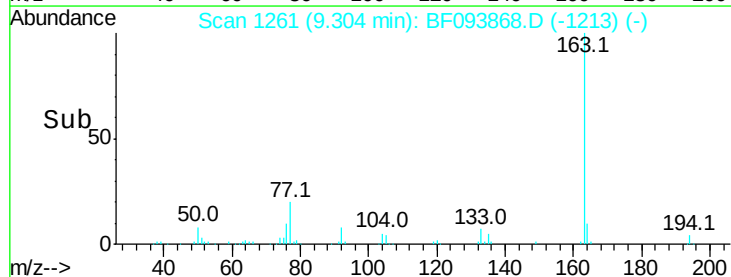
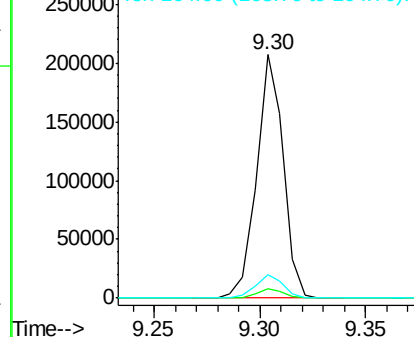
163 100

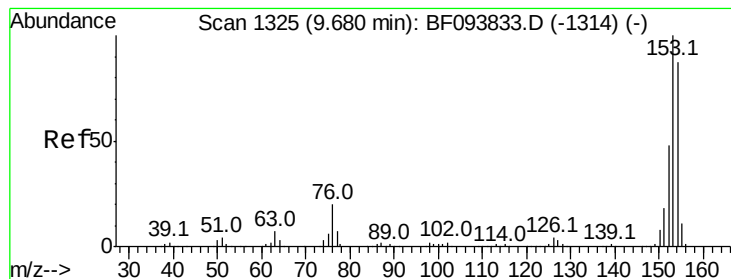
194 3.6 2.6 4.0

164 9.6 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: 9.04 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

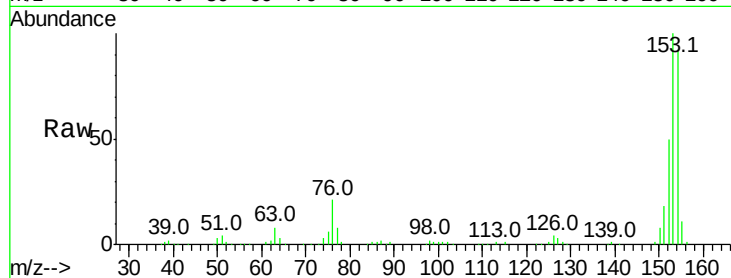
Tot Ion:154 Resp: 192852

Ion Ratio Lower Upper

154 100

153 108.8 90.5 135.7

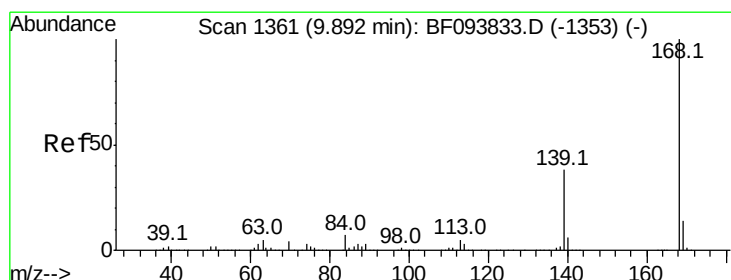
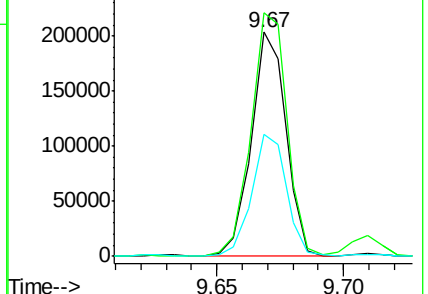
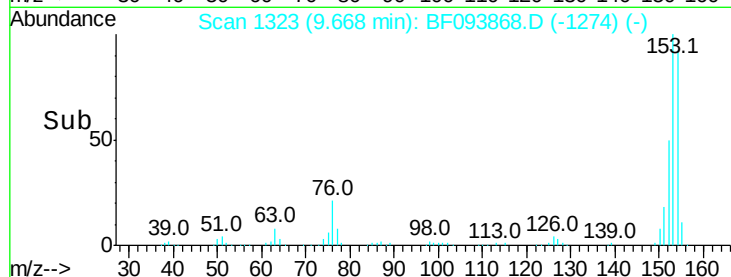
152 54.4 43.6 65.4



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



#54

Dibenzofuran

Concen: 6.62 ng

RT: 9.89 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

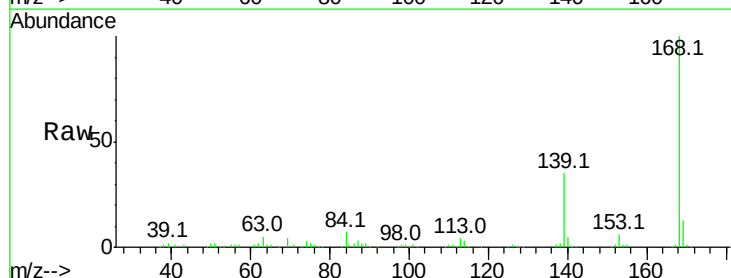
Tgt Ion:168 Resp: 192382

Ion Ratio Lower Upper

168 100

139 35.3 30.6 45.8

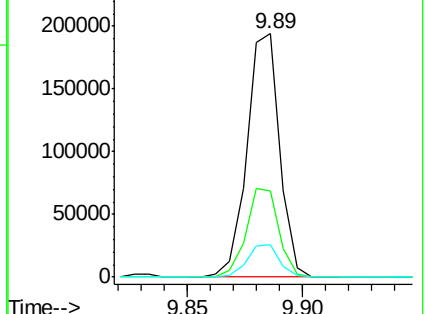
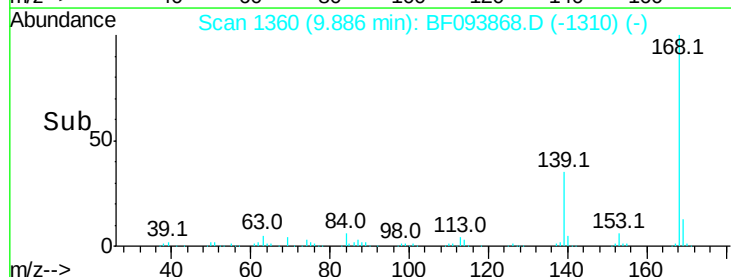
169 13.2 10.8 16.2

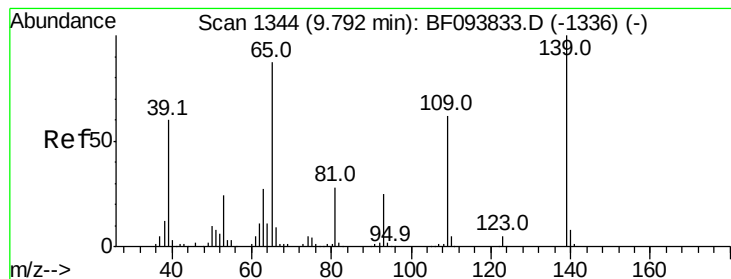


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 13.35 ng

RT: 9.88 min Scan# 1359

Delta R.T. 0.09 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampled :

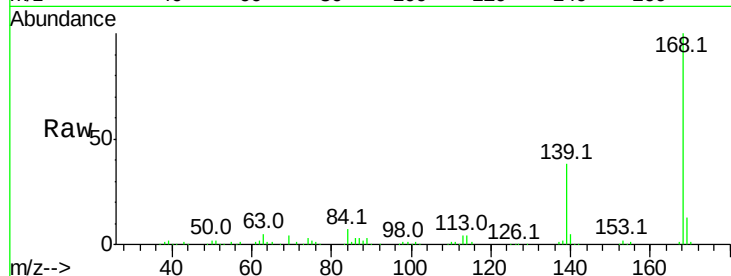
Tot Ion:139 Resp: 69701

Ion Ratio Lower Upper

139 100

109 1.0 34.1 74.1#

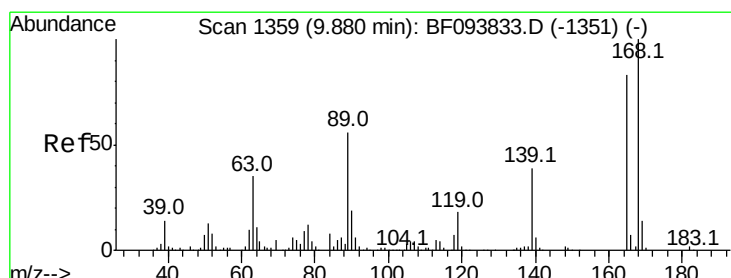
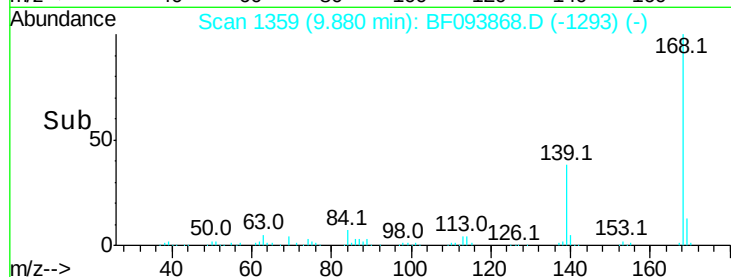
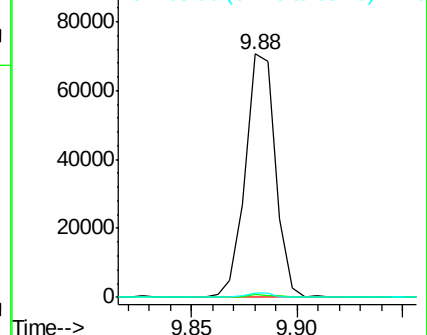
65 1.6 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.51 ng

RT: 9.63 min Scan# 1317

Delta R.T. -0.25 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Tgt Ion:165 Resp: 46403

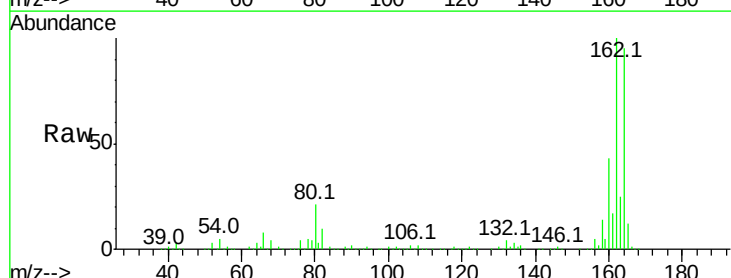
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

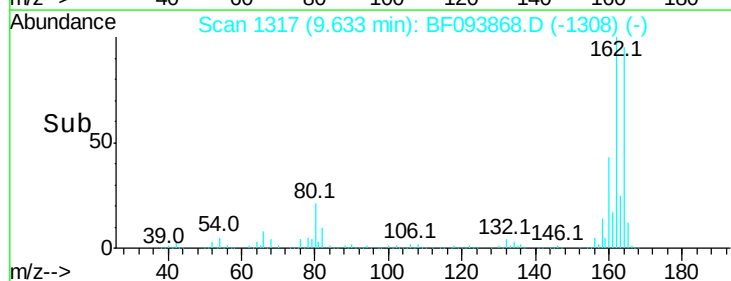
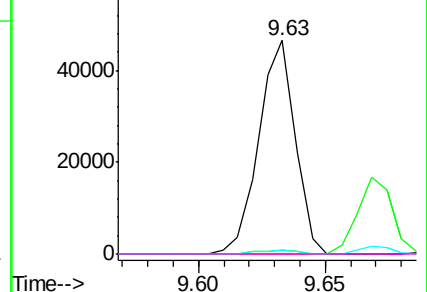


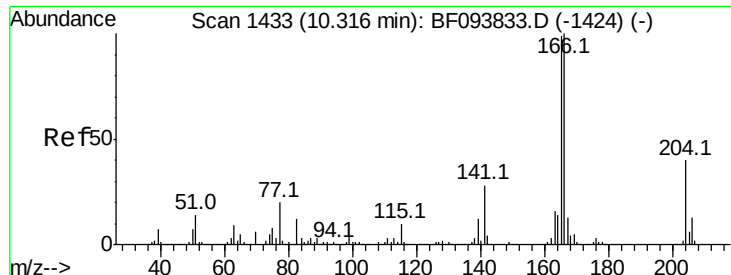
Abundance Ion 165.00 (164.70 to 165.70): E

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

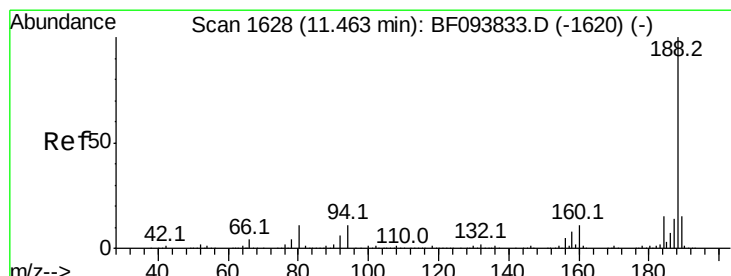
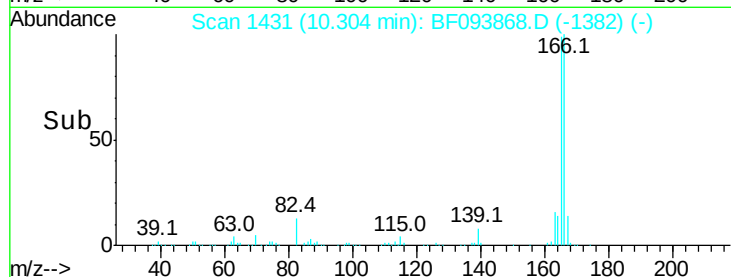
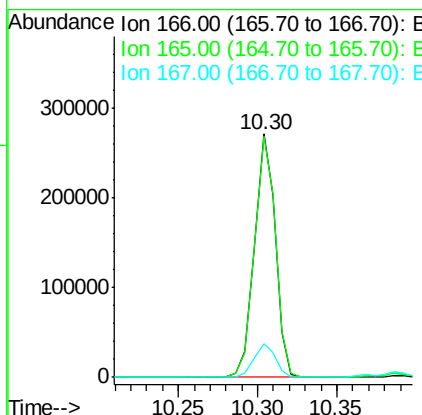
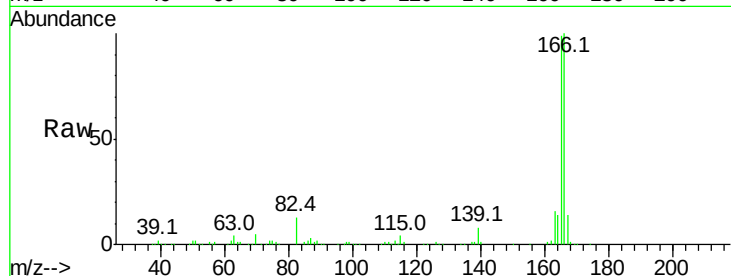




#57
Fluorene
 Concen: 10.29 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093868.D
 Acq: 23 Mar 2017 8:08

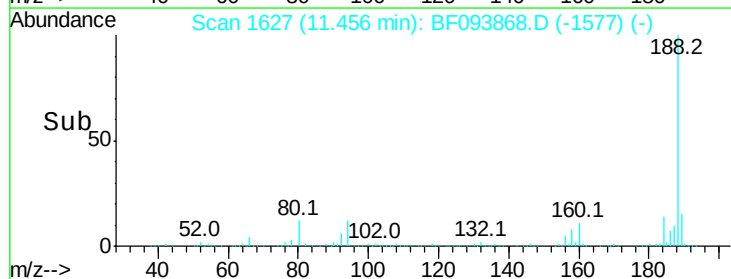
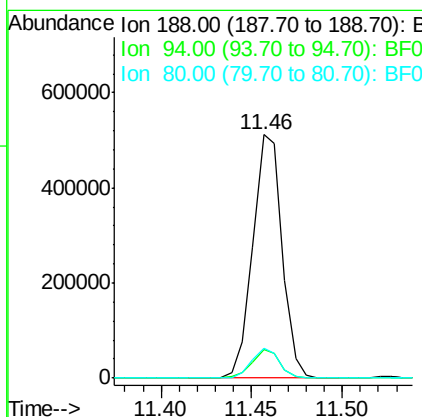
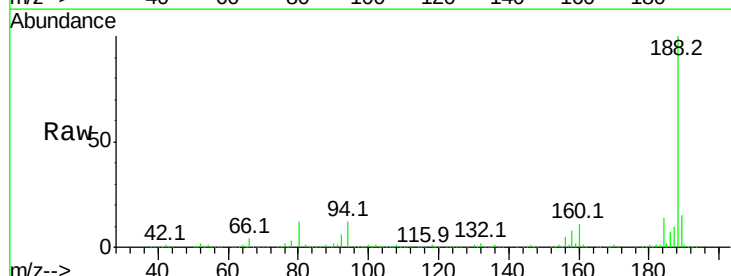
Instrument :
 BNA_F
 ClientSampleId :

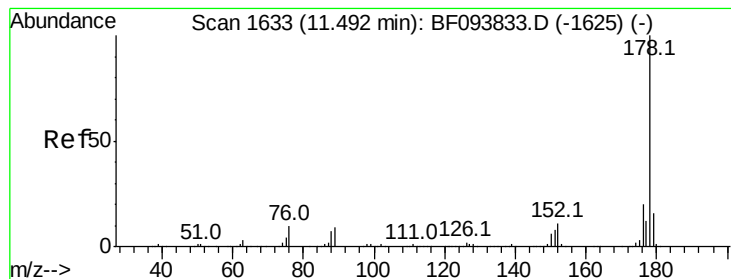
Tot Ion:166 Resp: 247858
 Ion Ratio Lower Upper
 166 100
 165 98.8 78.8 118.2
 167 13.7 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093868.D
 Acq: 23 Mar 2017 8:08

Tgt Ion:188 Resp: 574082
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 12.2 10.2 15.2





#70

Phenanthrene

Concen: 51.85 ng

RT: 11.49 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

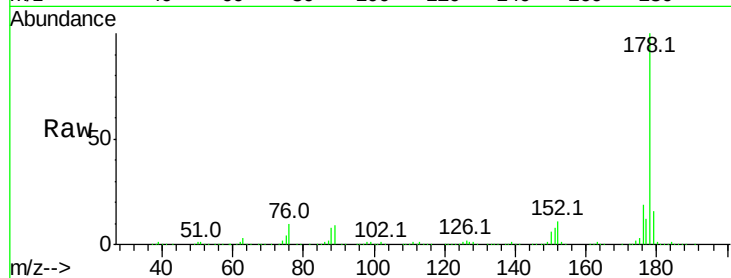
Tot Ion:178 Resp: 1655696

Ion Ratio Lower Upper

178 100

176 19.3 16.2 24.4

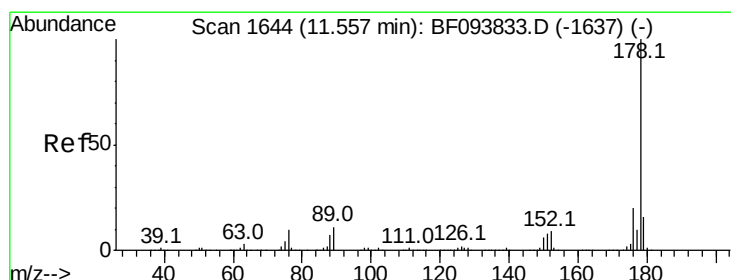
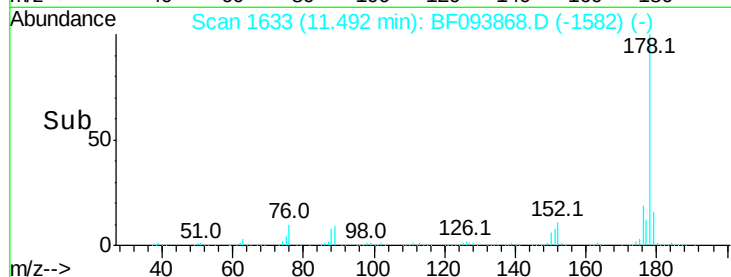
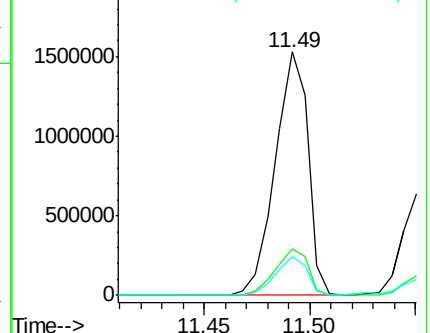
179 15.7 12.6 19.0



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: 17.35 ng

RT: 11.55 min Scan# 1643

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

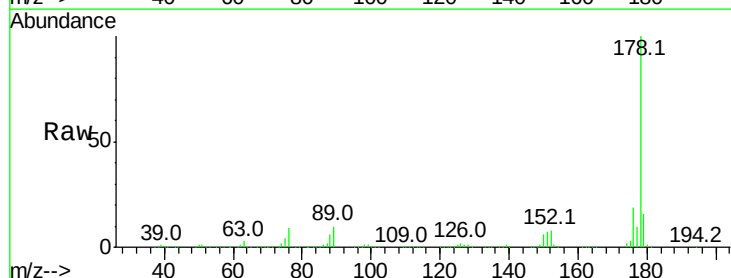
Tgt Ion:178 Resp: 570360

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

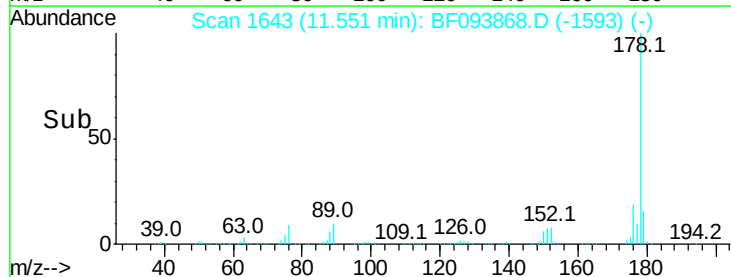
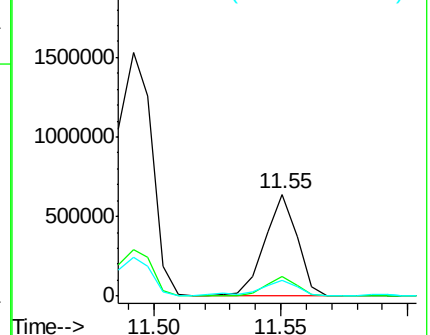
179 15.5 12.7 19.1

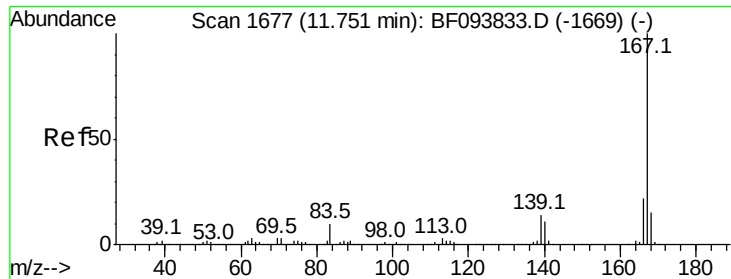


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 8.89 ng

RT: 11.74 min Scan# 1676

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

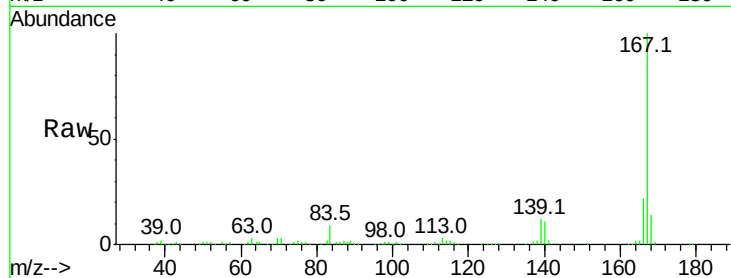
Tot Ion:167 Resp: 299644

Ion Ratio Lower Upper

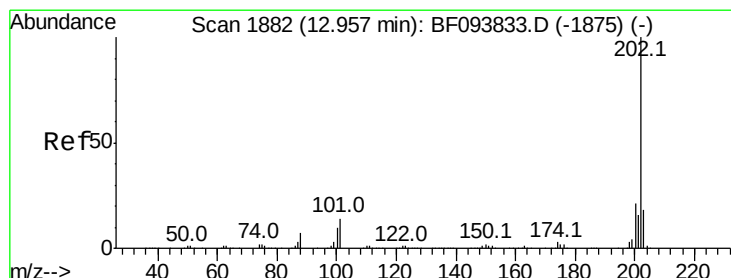
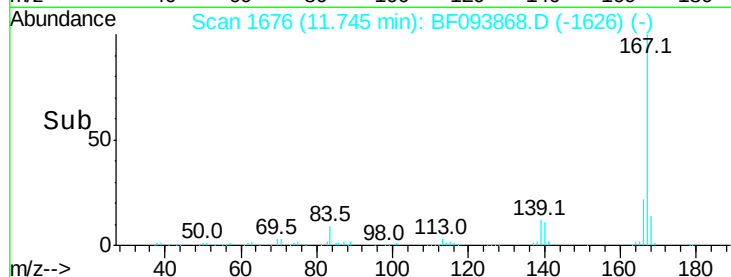
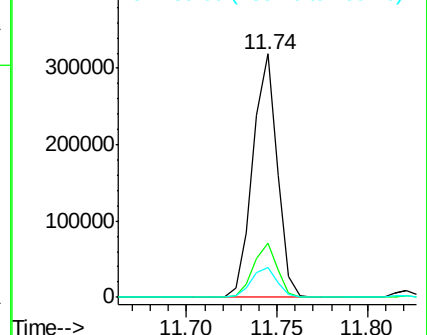
167 100

166 22.5 18.1 27.1

139 12.5 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 46.57 ng

RT: 12.96 min Scan# 1882

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

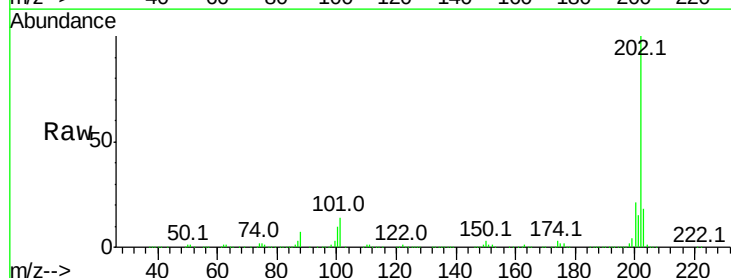
Tgt Ion:202 Resp: 1522742

Ion Ratio Lower Upper

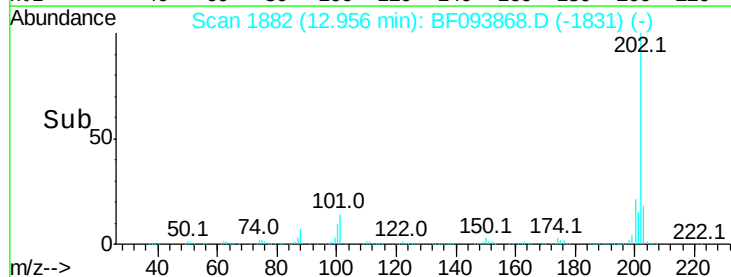
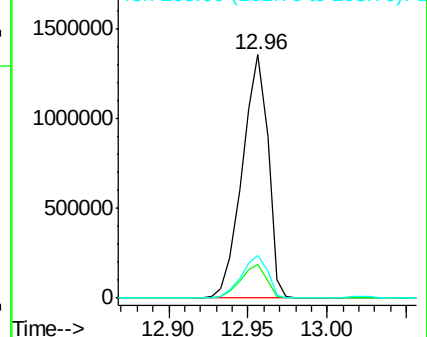
202 100

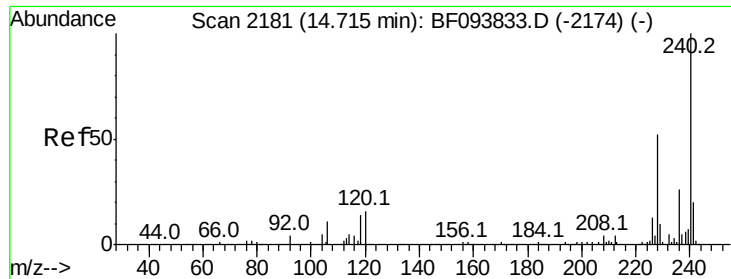
101 14.1 0.0 33.2

203 17.8 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: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

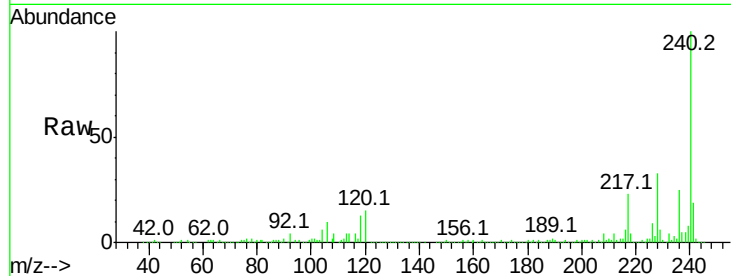
Tot Ion:240 Resp: 357636

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

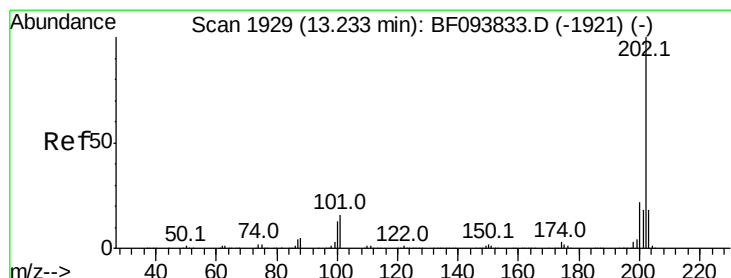
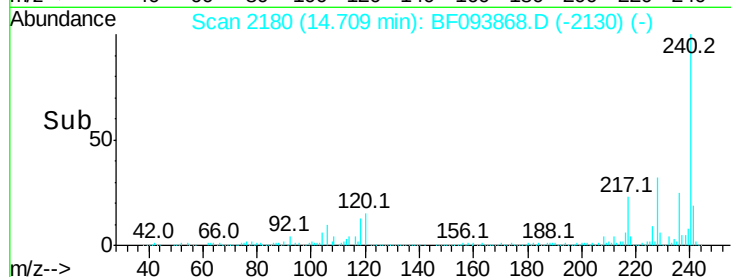
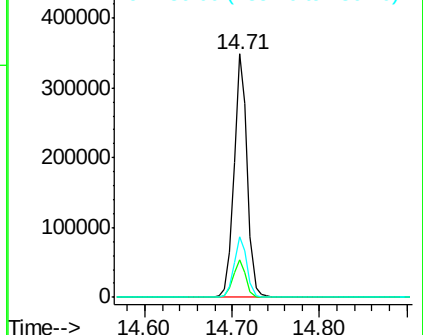
236 24.8 20.5 30.7



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: 47.64 ng

RT: 13.23 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

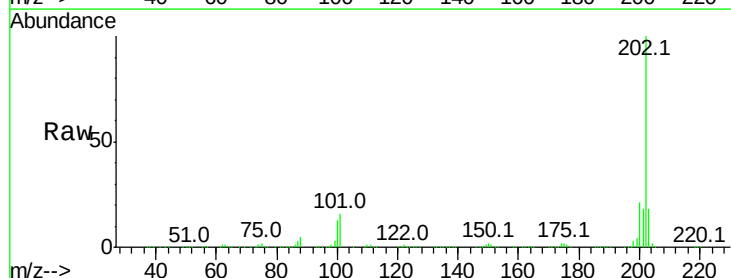
Tgt Ion:202 Resp: 1236385

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

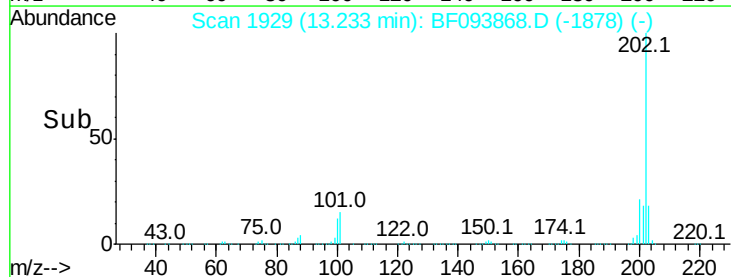
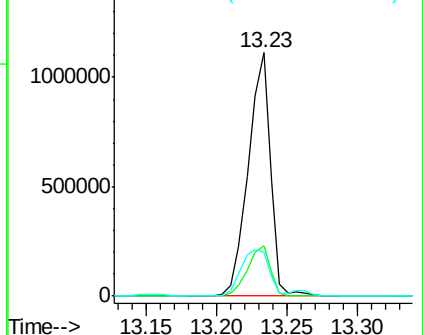
203 18.3 14.4 21.6

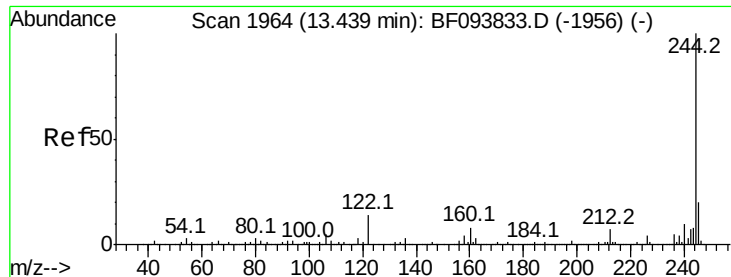


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

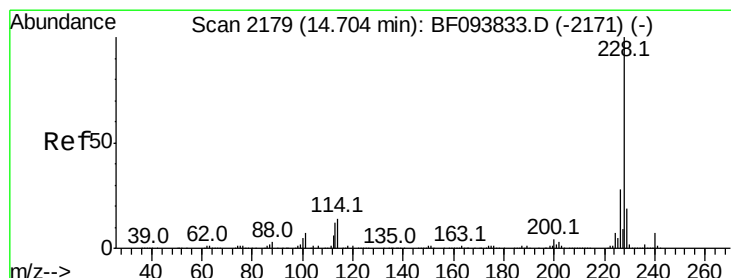
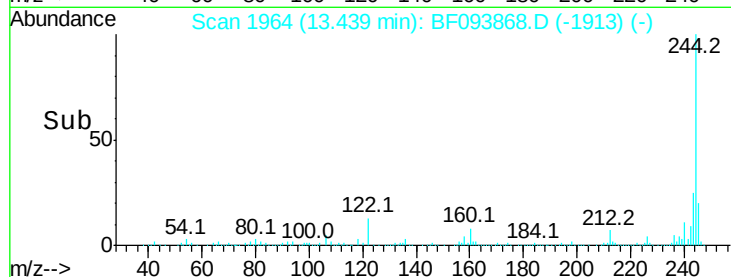
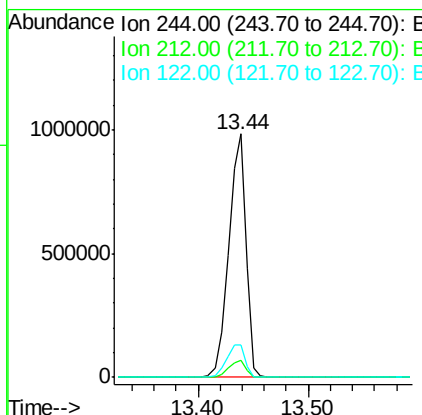
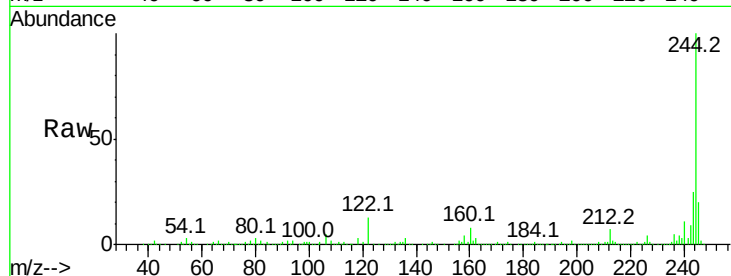




#78
 Terphenyl-d14
 Concen: 67.19 ng
 RT: 13.44 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: BF093868.D
 Acq: 23 Mar 2017 8:08

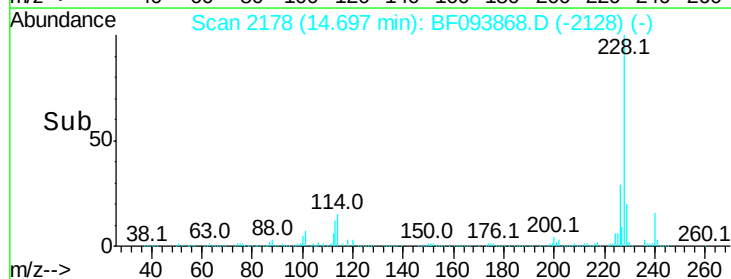
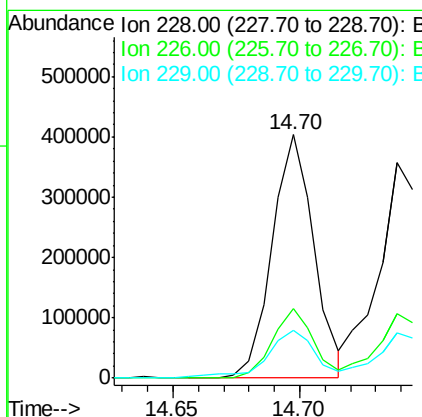
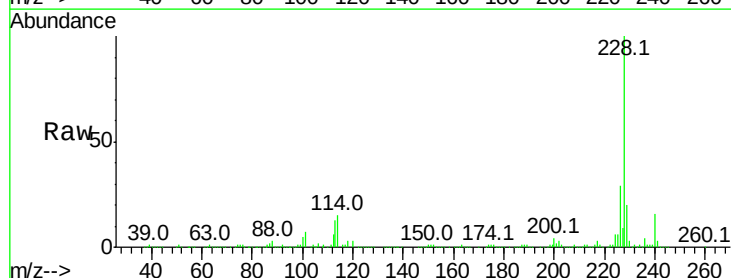
Instrument :
 BNA_F
 ClientSampled :

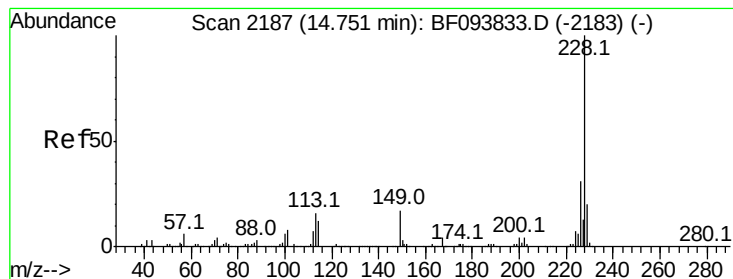
Tot Ion:244 Resp: 1072032
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 22.20 ng
 RT: 14.70 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: BF093868.D
 Acq: 23 Mar 2017 8:08

Tgt Ion:228 Resp: 463072
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 19.7 16.3 24.5





#82

Chrysene

Concen: 21.53 ng

RT: 14.74 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

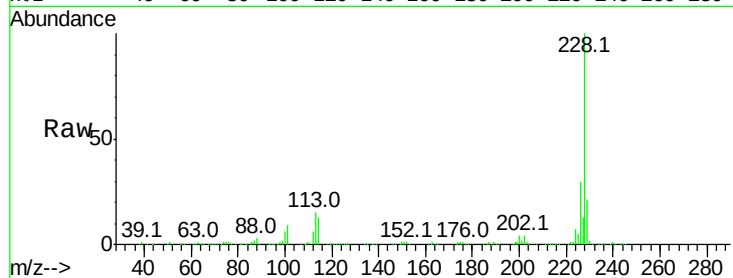
Tot Ion:228 Resp: 416591

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

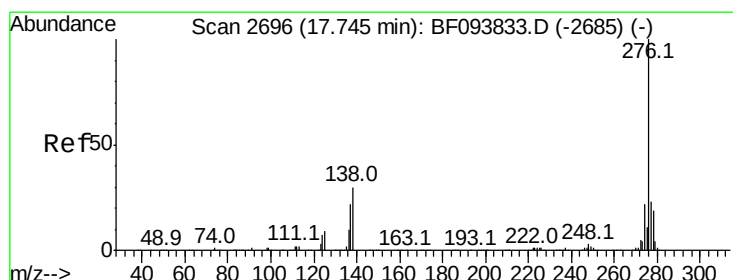
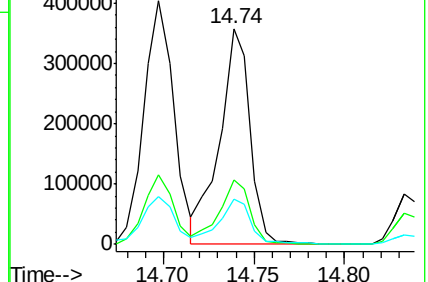
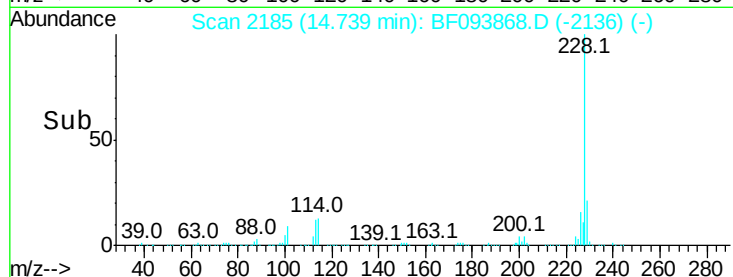
229 21.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.80 ng

RT: 17.73 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

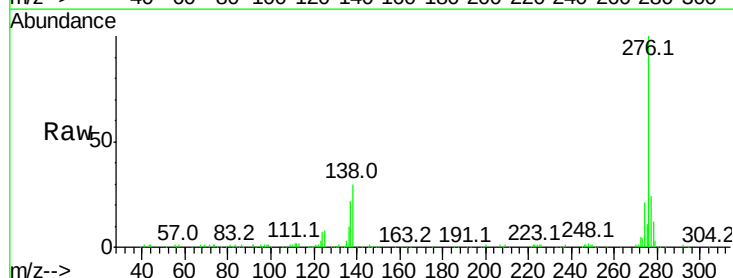
Tgt Ion:276 Resp: 214513

Ion Ratio Lower Upper

276 100

138 31.6 27.8 41.6

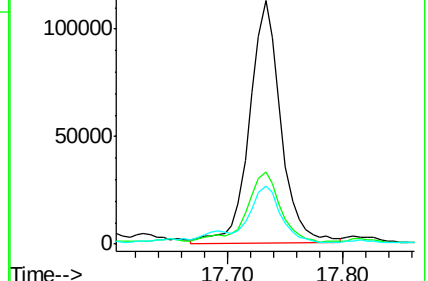
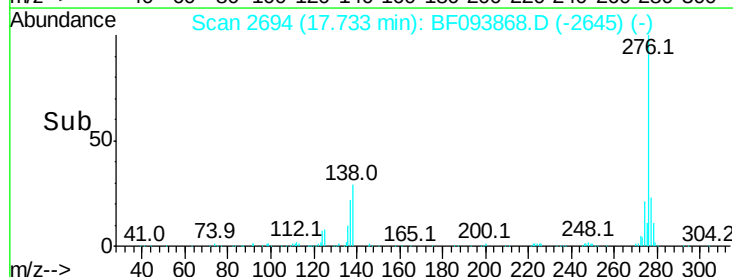
277 23.5 20.2 30.4

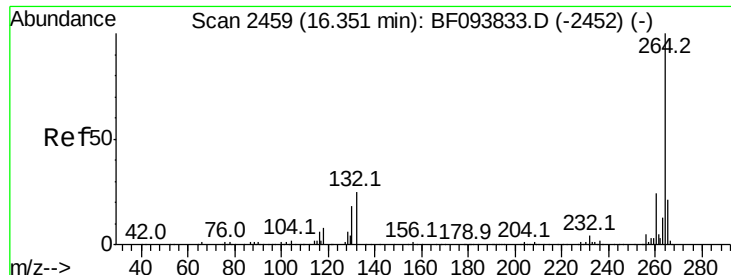


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

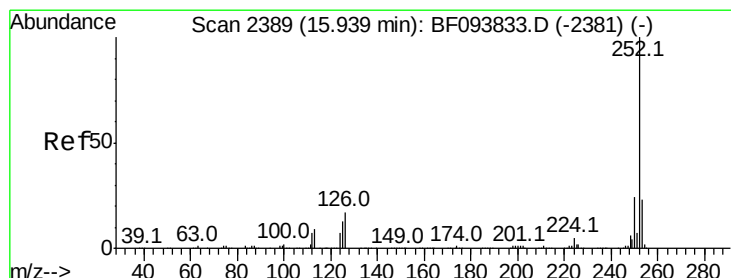
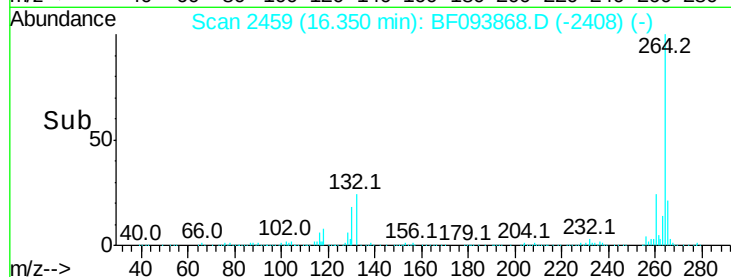
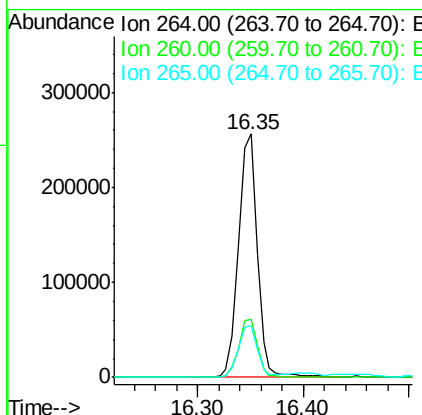
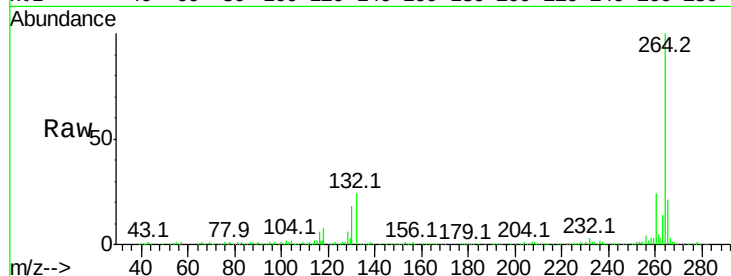




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.35 min Scan# 2459
Delta R.T. -0.00 min
Lab File: BF093868.D
Acq: 23 Mar 2017 8:08

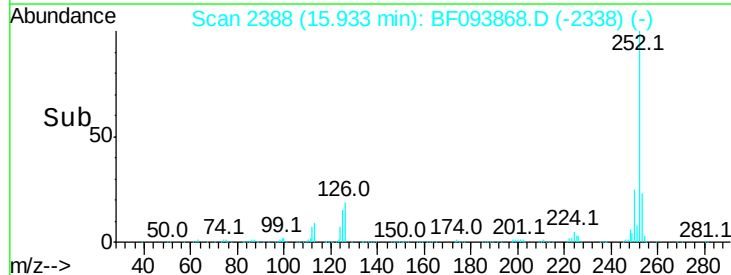
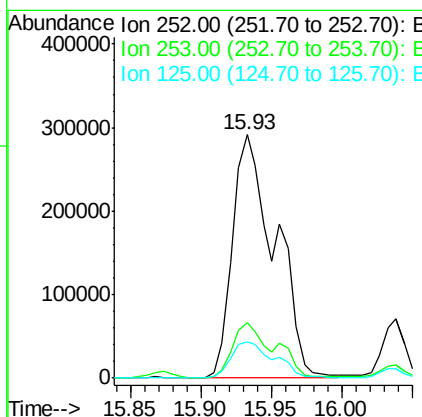
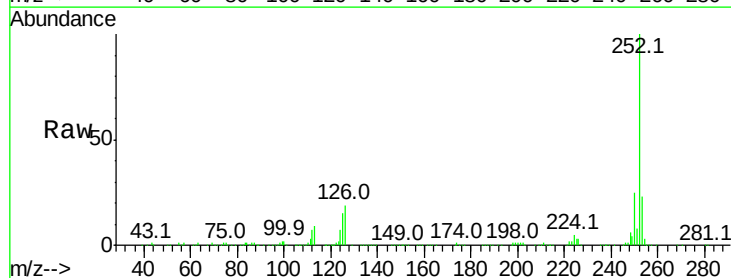
Instrument :
BNA_F
ClientSampleId :

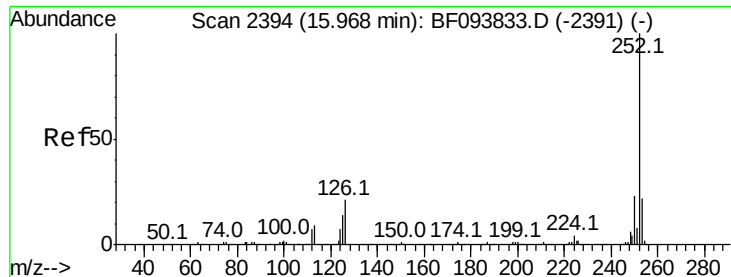
Tot Ion:264 Resp: 313215
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 31.93 ng
RT: 15.93 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BF093868.D
Acq: 23 Mar 2017 8:08

Tgt Ion:252 Resp: 613088
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 14.9 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 32.64 ng

RT: 15.93 min Scan# 2388

Delta R.T. -0.04 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

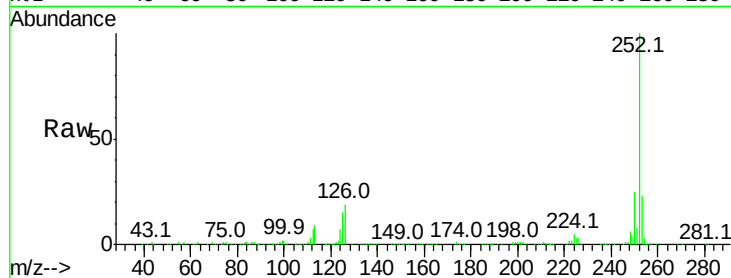
Tot Ion:252 Resp: 613088

Ion Ratio Lower Upper

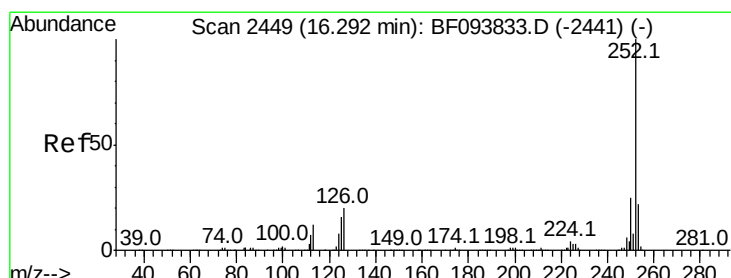
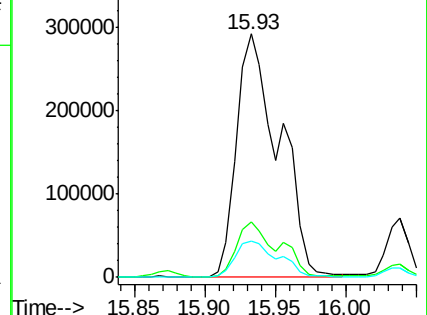
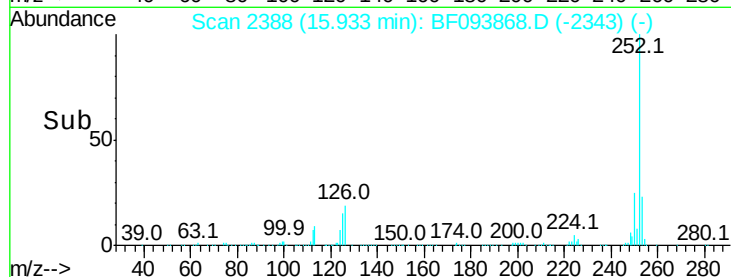
252 100

253 23.0 18.4 27.6

125 14.9 13.1 19.7



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



#89

Benzo(a)pyrene

Concen: 20.60 ng

RT: 16.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

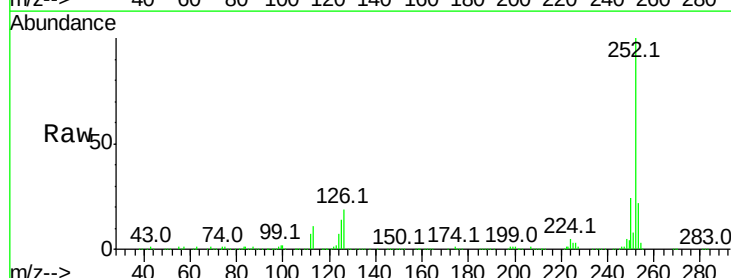
Tgt Ion:252 Resp: 364159

Ion Ratio Lower Upper

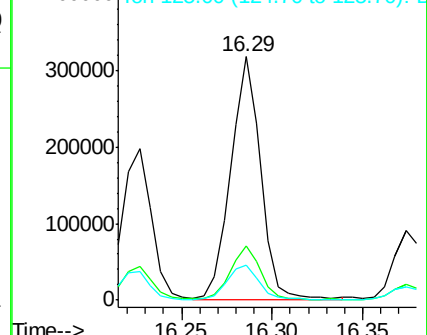
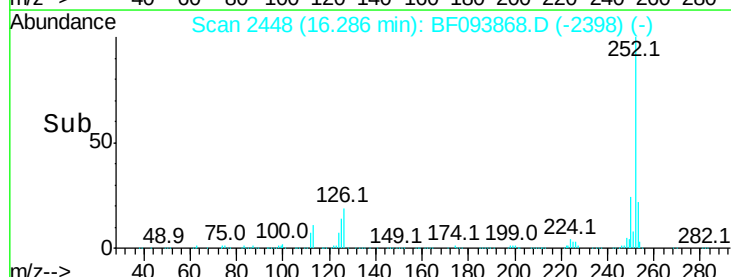
252 100

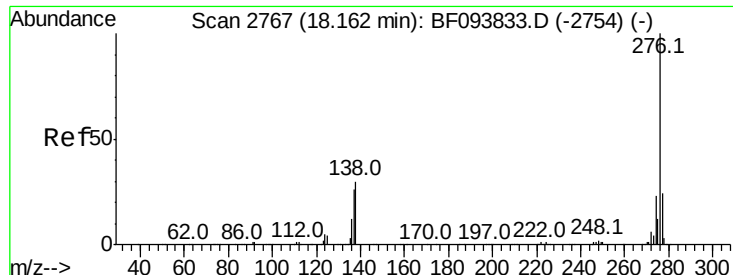
253 22.1 17.5 26.3

125 14.3 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(a,h,i)perylene

Concen: 13.33 ng

RT: 18.14 min Scan# 2764

Delta R.T. -0.02 min

Lab File: BF093868.D

Acq: 23 Mar 2017 8:08

Instrument :

BNA_F

ClientSampleId :

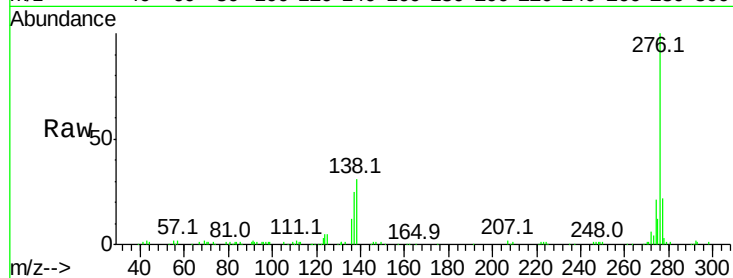
Tot Ion:276 Resp: 201212

Ion Ratio Lower Upper

276 100

277 22.3 18.6 28.0

138 30.9 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

