

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040517\
 Data File : BF094208.D
 Acq On : 5 Apr 2017 23:56
 Operator : SJ/MA
 Sample : I2487-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Quant Time: Apr 06 01:11:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.86	152	188577	20.00	ng	-0.04
21) Naphthalene-d8	7.36	136	730522	20.00	ng	-0.05
38) Acenaphthene-d10	9.50	164	308688	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	479659	20.00	ng	-0.05
75) Chrysene-d12	14.58	240	340992	20.00	ng	-0.05
86) Perylene-d12	16.20	264	294740	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	4.41	112	1517546	135.92	ng	-0.02
7) Phenol-d6	5.48	99	1937973	140.31	ng	-0.03
23) Nitrobenzene-d5	6.52	82	1222074	95.47	ng	-0.04
41) 2,4,6-Tribromophenol	10.48	330	331031	135.71	ng	-0.04
44) 2-Fluorobiphenyl	8.69	172	1853696	91.59	ng	-0.04
78) Terphenyl-d14	13.31	244	1090204	71.66	ng	-0.04

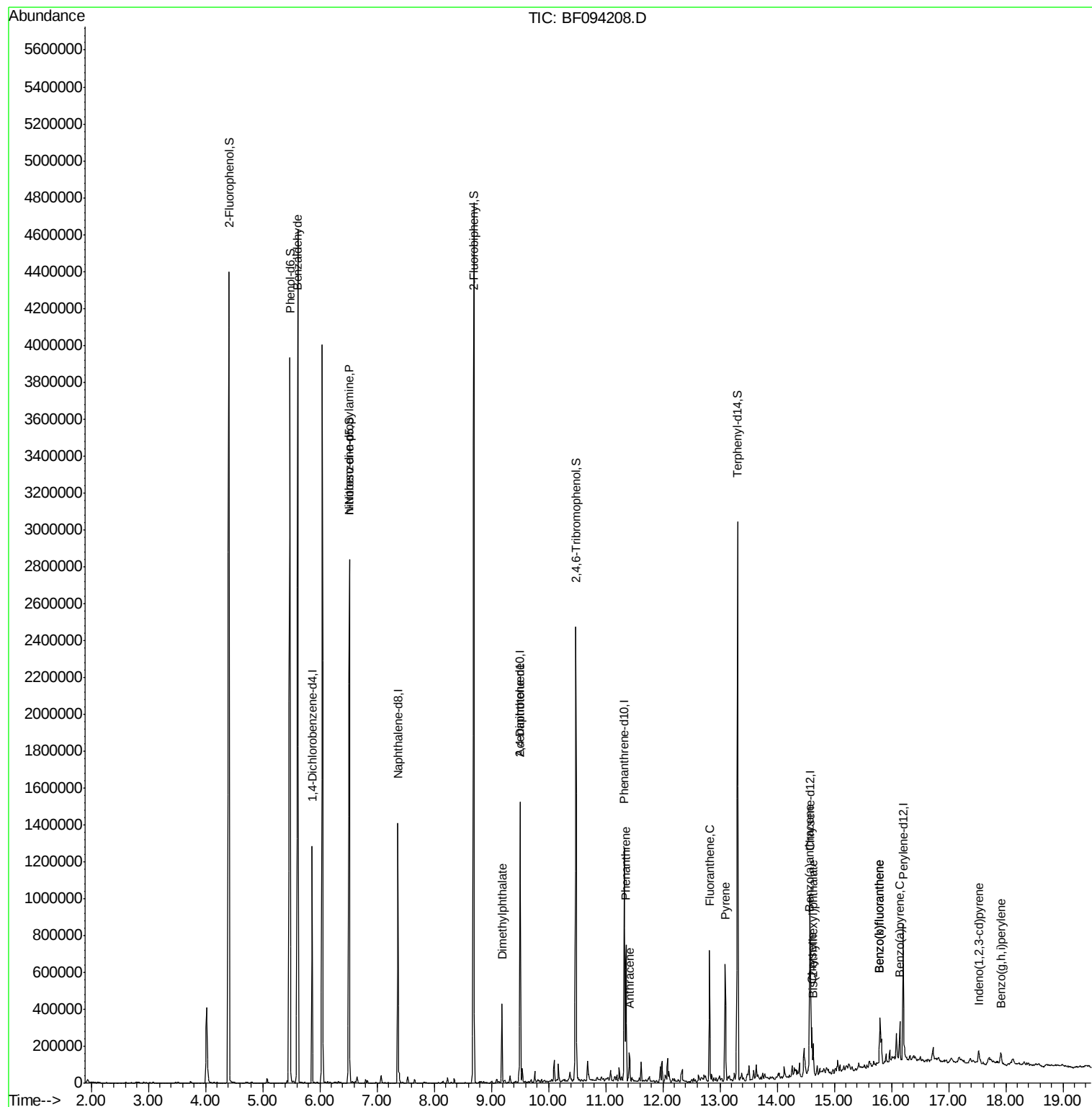
Target Compounds				Qvalue		
9) Benzaldehyde	5.62	77	33108	3.55	ng	88
19) n-Nitroso-di-n-propylamine	6.52	70	163972	18.47	ng	# 78
49) Dimethylphthalate	9.19	163	175801	8.01	ng	99
56) 2,4-Dinitrotoluene	9.50	165	39342	6.23	ng	# 33
70) Phenanthrene	11.36	178	288644	10.82	ng	96
71) Anthracene	11.42	178	63556	2.31	ng	96
74) Fluoranthene	12.82	202	316947	11.60	ng	97
77) Pyrene	13.09	202	249621	10.09	ng	98
80) Benzo(a)anthracene	14.56	228	120526	6.06	ng	98
82) Chrysene	14.61	228	105306	5.71	ng	97
83) Bis(2-ethylhexyl)phthalate	14.63	149	51092	3.55	ng	# 100
85) Indeno(1,2,3-cd)pyrene	17.53	276	45886	2.87	ng	94
87) Benzo(b)fluoranthene	15.80	252	174415	9.65	ng	# 96
88) Benzo(k)fluoranthene	15.80	252	174415	9.87	ng	99
89) Benzo(a)pyrene	16.14	252	85062	5.11	ng	99
91) Benzo(g,h,i)perylene	17.92	276	39719	2.80	ng	98

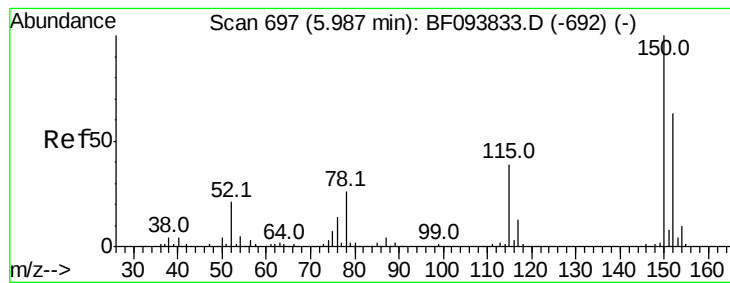
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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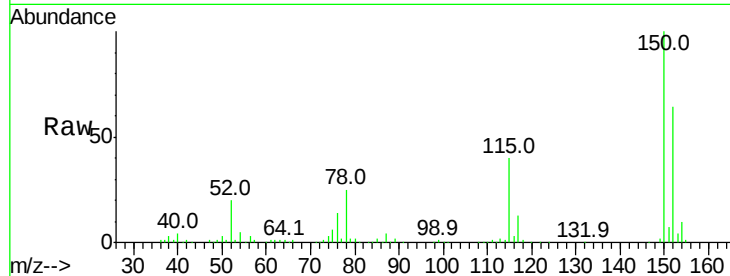


#1

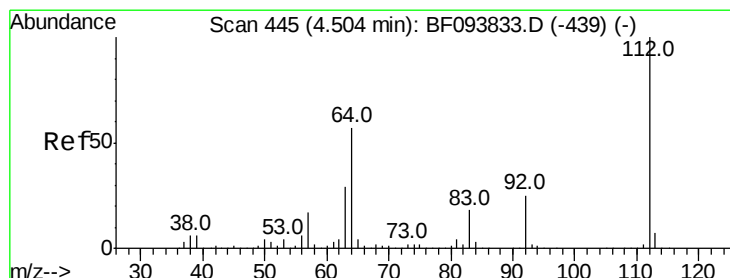
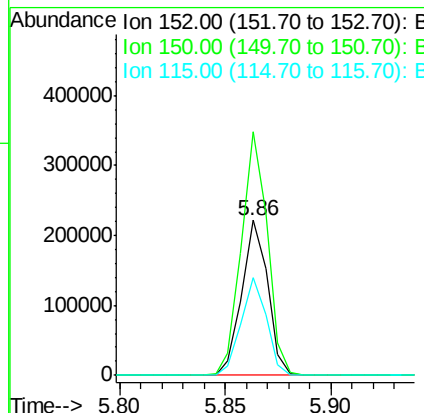
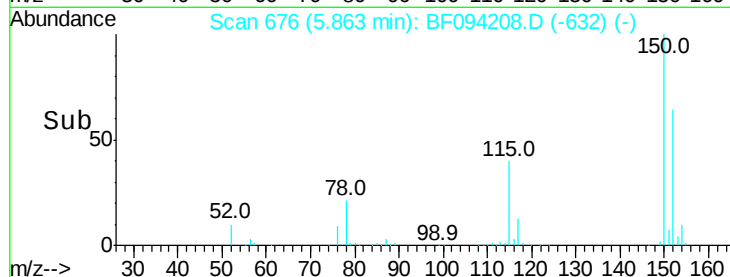
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.86 min Scan# 676
Delta R.T. -0.04 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampled :
SB-1-2-3-4

Tot Ion:152 Resp: 188577
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 63.1 52.2 78.2



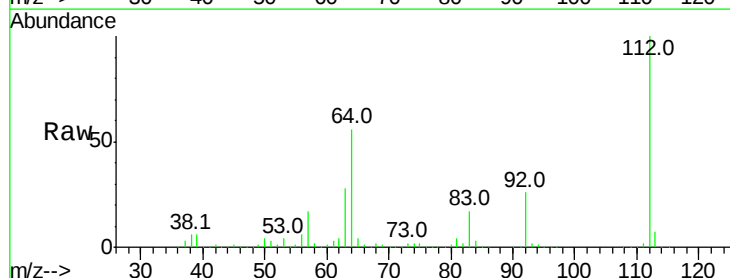
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



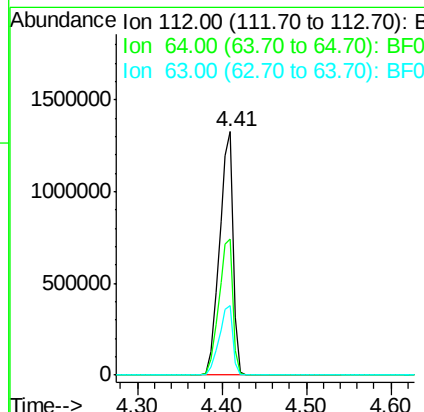
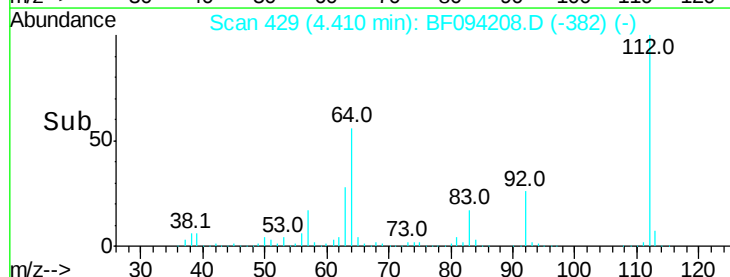
#5

2-Fluorophenol
Concen: 135.92 ng
RT: 4.41 min Scan# 429
Delta R.T. -0.02 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion:112 Resp: 1517546
Ion Ratio Lower Upper
112 100
64 55.9 46.0 69.0
63 28.3 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: 140.31 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.03 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

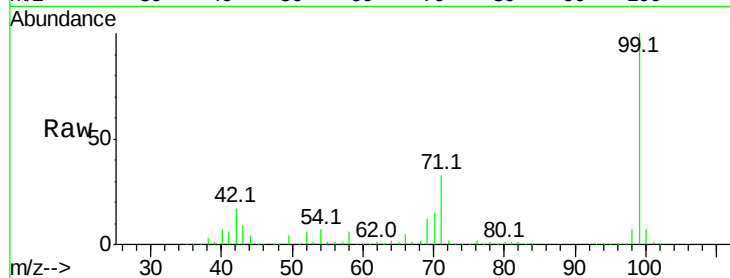
Tot Ion: 99 Resp: 1937973

Ion Ratio Lower Upper

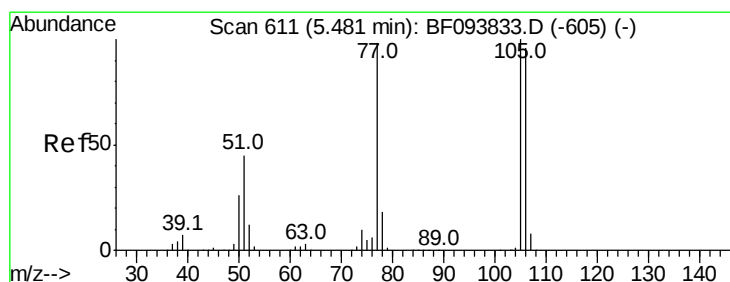
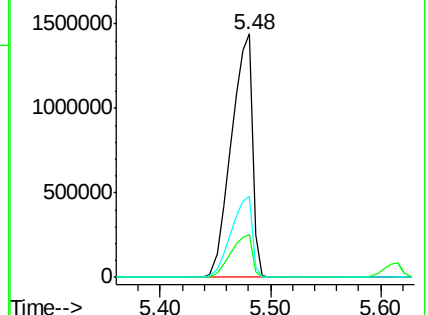
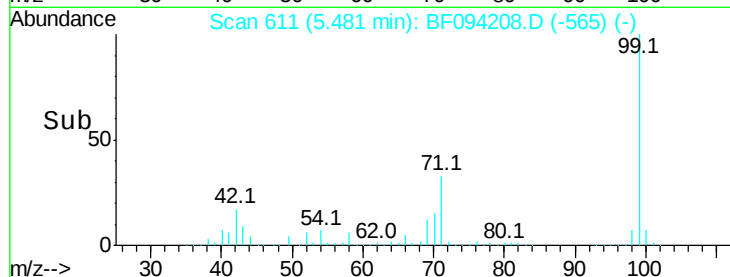
99 100

42 17.5 13.5 20.3

71 33.2 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.55 ng

RT: 5.62 min Scan# 634

Delta R.T. 0.22 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

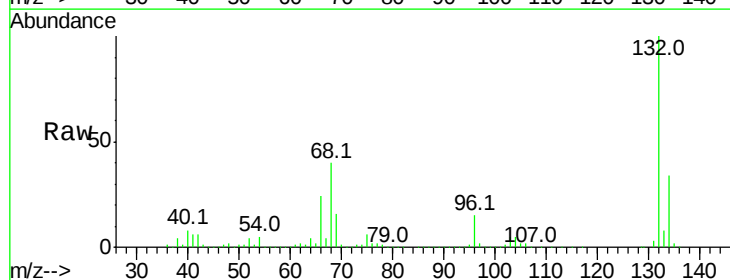
Tgt Ion: 77 Resp: 33108

Ion Ratio Lower Upper

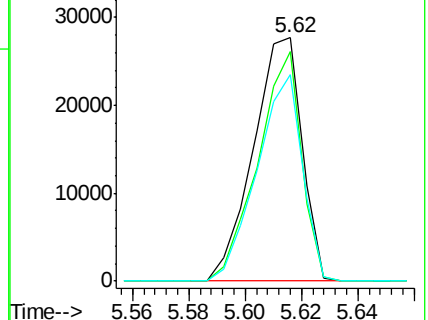
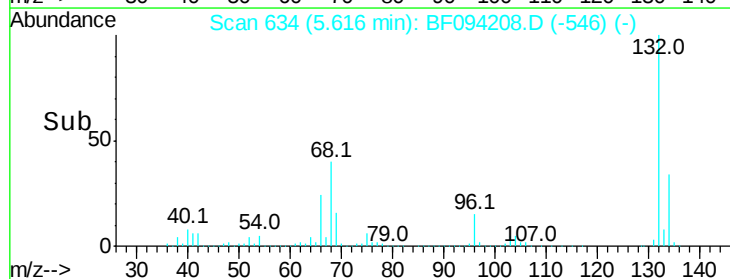
77 100

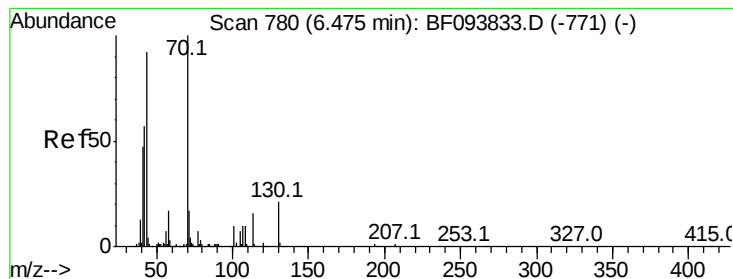
105 94.5 83.8 123.8

106 85.0 79.1 119.1



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





#19

n-Nitroso-di-n-propylamine

Concen: 18.47 ng

RT: 6.52 min Scan# 787

Delta R.T. 0.12 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

Tot Ion: 70 Resp: 163972

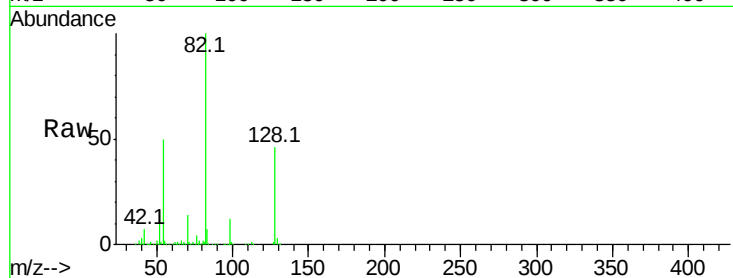
Ion Ratio Lower Upper

70 100

42 46.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

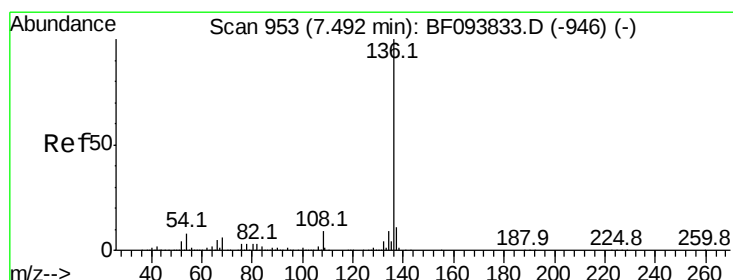
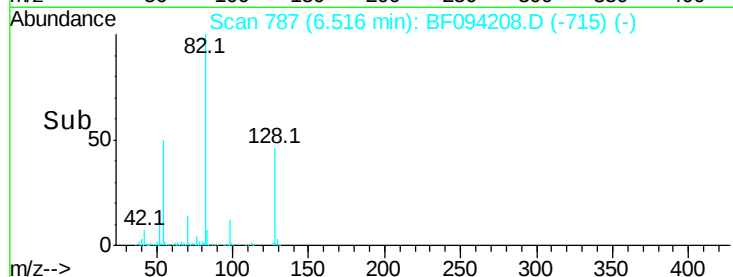
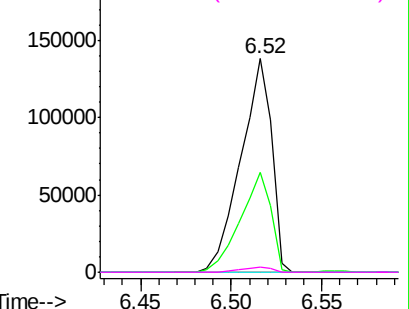


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.36 min Scan# 931

Delta R.T. -0.05 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Tgt Ion: 136 Resp: 730522

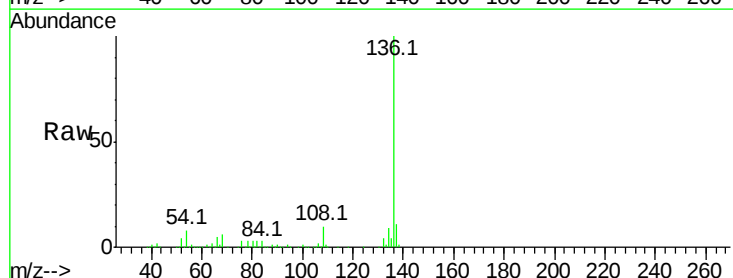
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 8.1 4.9 7.3#

68 6.2 4.1 6.1#

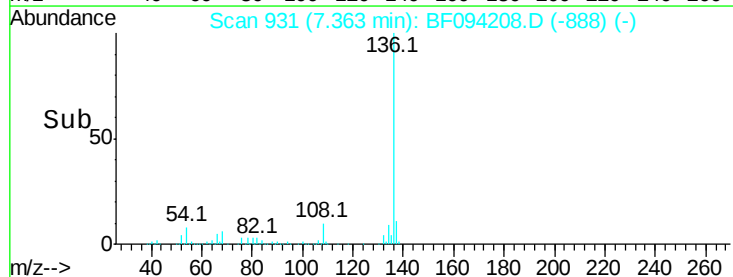
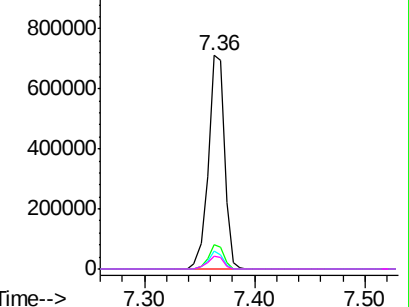


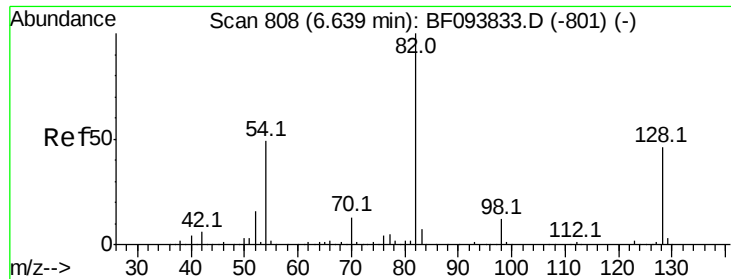
Abundance Ion 136.00 (135.70 to 136.70): BF0

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



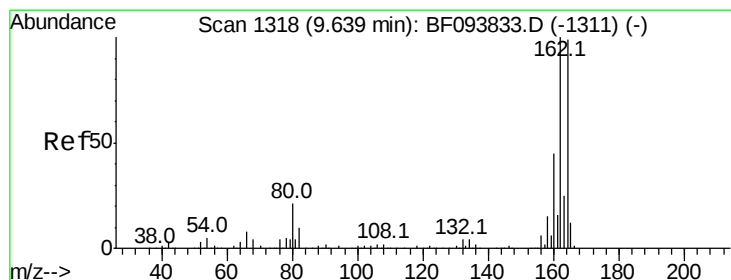
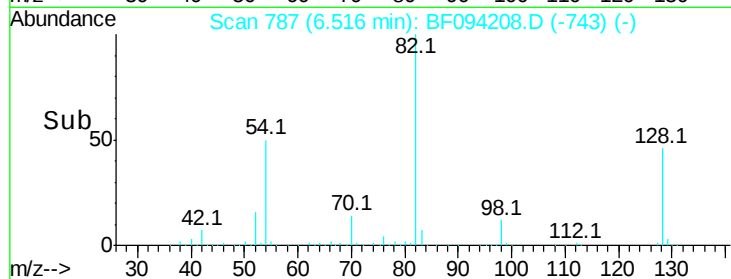
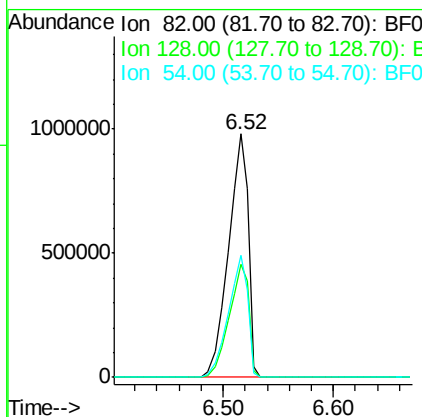
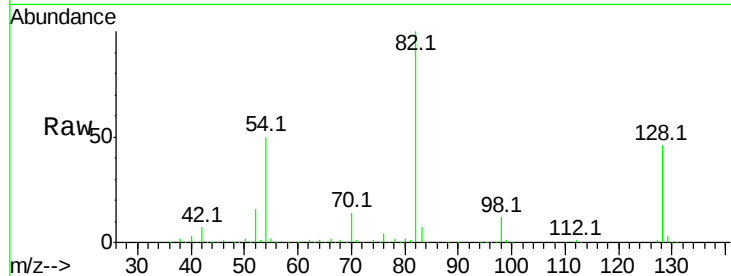


#23
 Nitrobenzene-d5
 Concen: 95.47 ng
 RT: 6.52 min Scan# 787
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Instrument :
 BNA_F
 ClientSampled :
 SB-1-2-3-4

Tot Ion: 82 Resp: 1222074

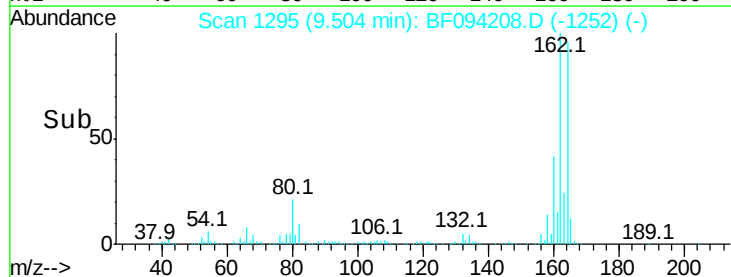
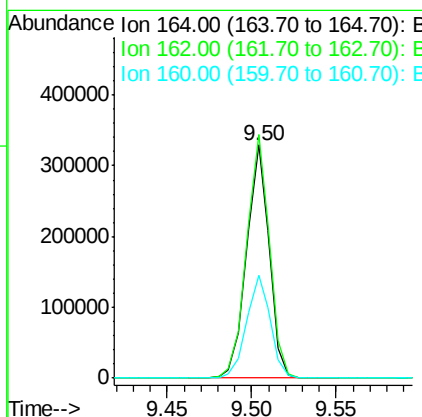
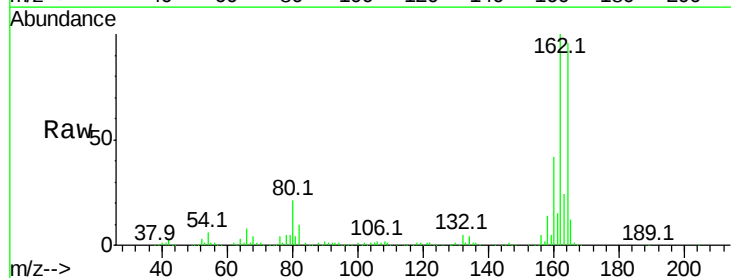
Ion	Ratio	Lower	Upper
82	100		
128	46.4	34.0	51.0
54	50.2	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 1295
 Delta R.T. -0.05 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion:164 Resp: 308688

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	44.3	36.2	54.2

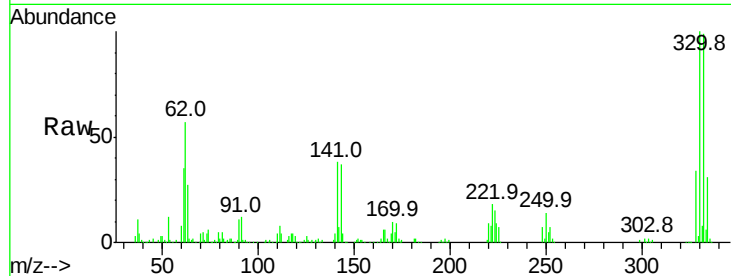




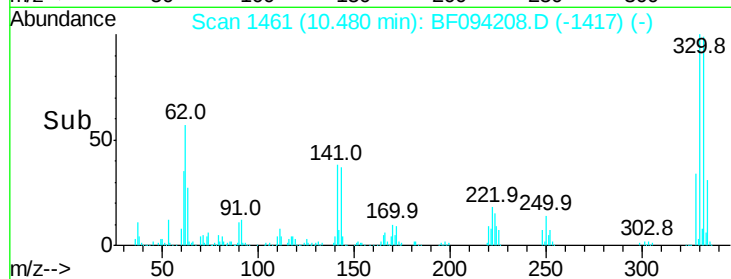
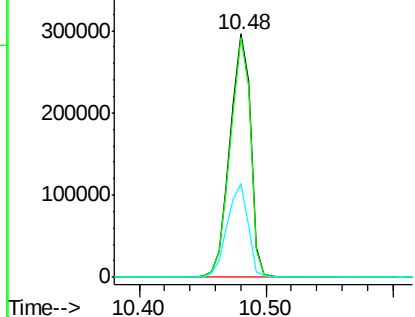
#41
 2,4,6-Tribromophenol
 Concen: 135.71 ng
 RT: 10.48 min Scan# 1461
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	38.9	31.4	47.2

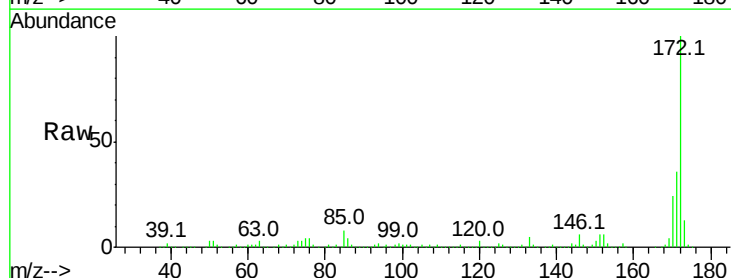


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

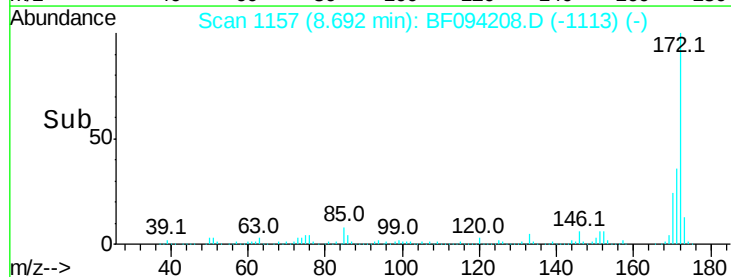
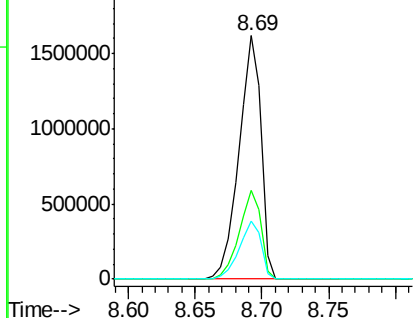


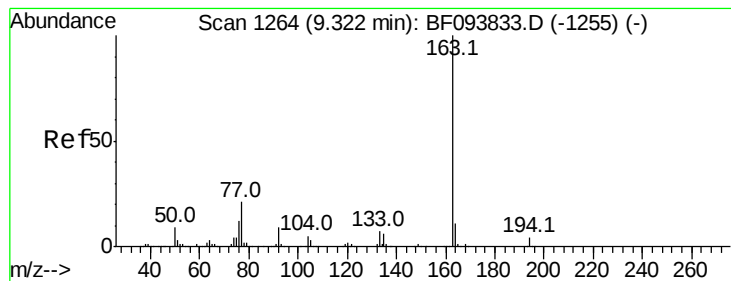
#44
 2-Fluorobiphenyl
 Concen: 91.59 ng
 RT: 8.69 min Scan# 1157
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.1	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: 8.01 ng

RT: 9.19 min Scan# 1241

Delta R.T. -0.06 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

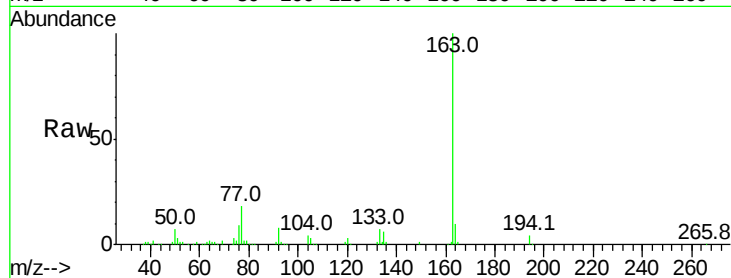
Tot Ion:163 Resp: 175801

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

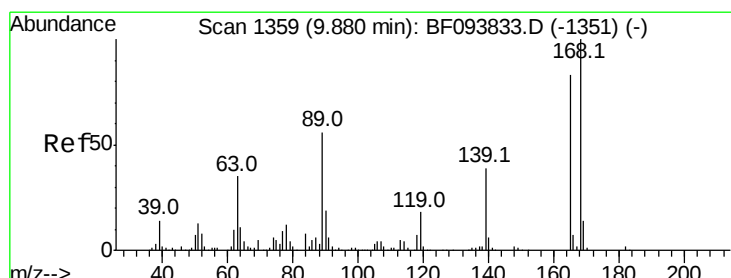
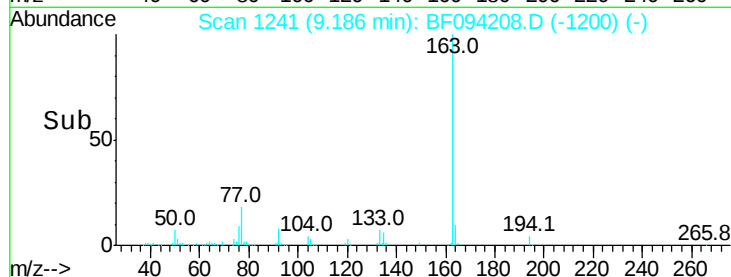
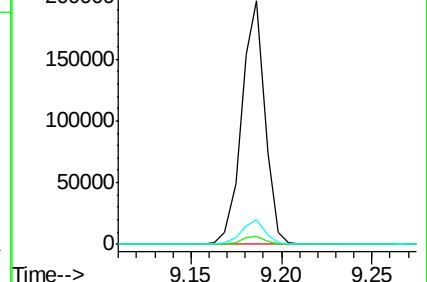
164 10.3 8.4 12.6



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: 6.23 ng

RT: 9.50 min Scan# 1295

Delta R.T. -0.29 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Tgt Ion:165 Resp: 39342

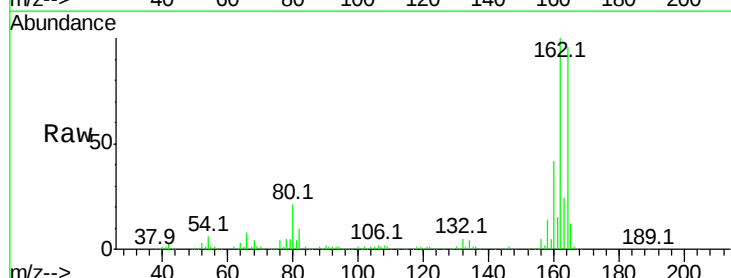
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

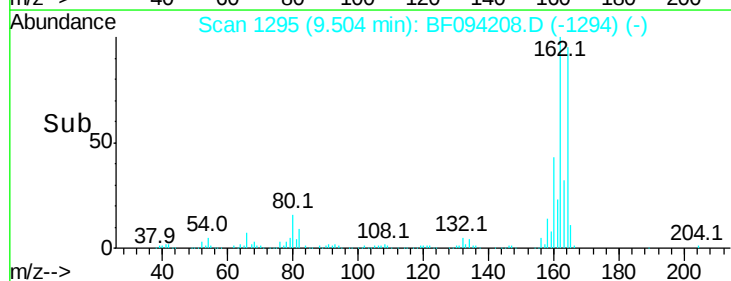
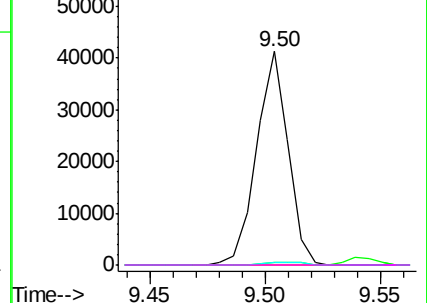


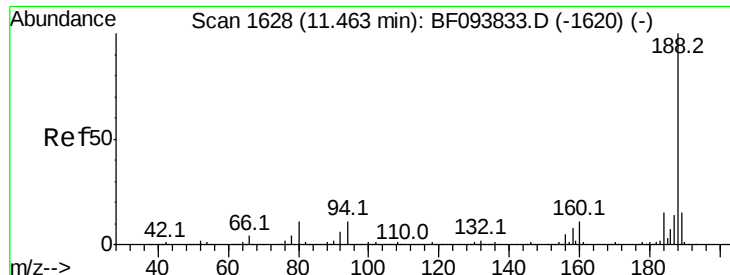
Abundance Ion 165.00 (164.70 to 165.70): E

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

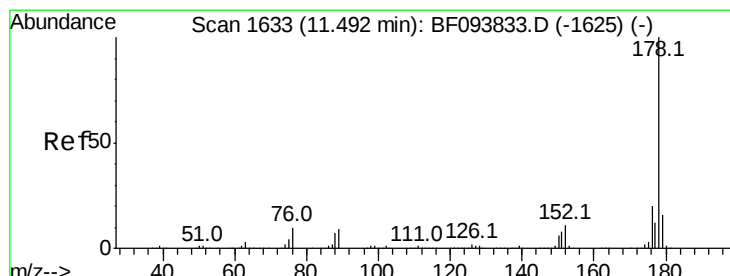
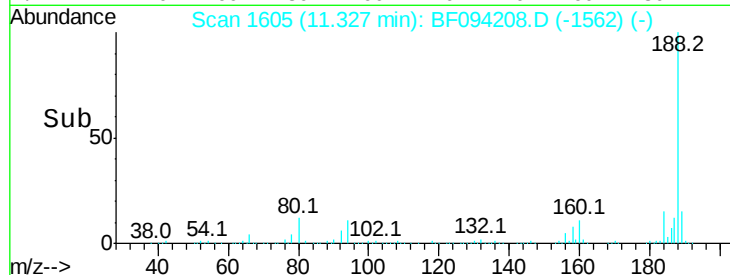
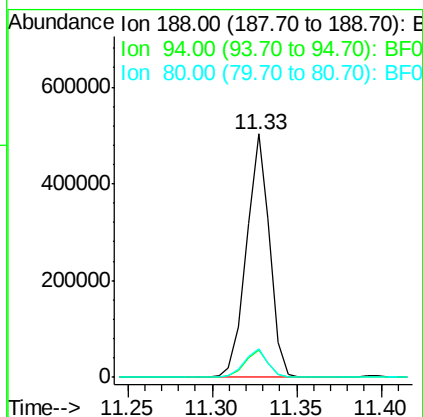
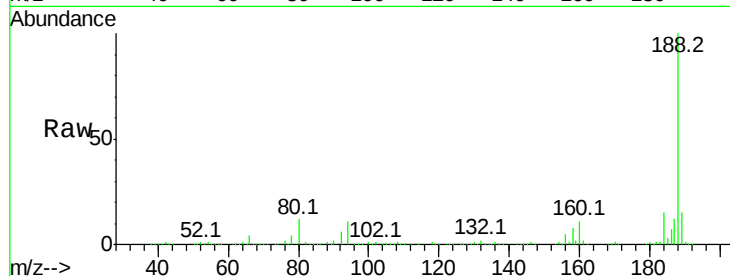




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1605
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

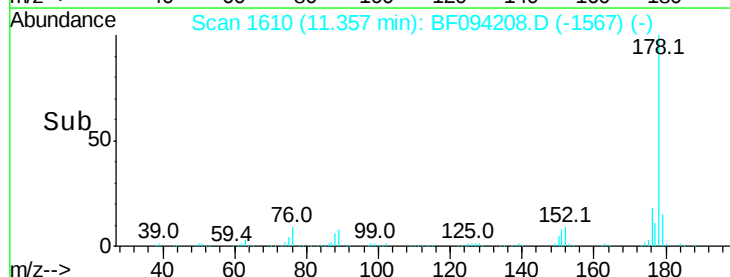
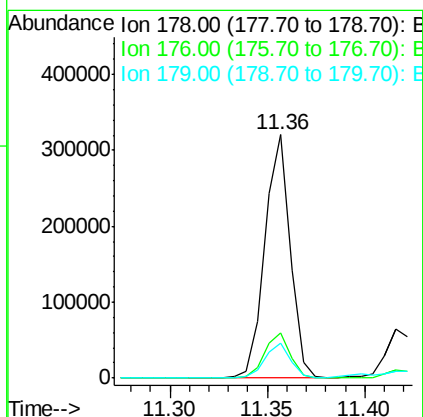
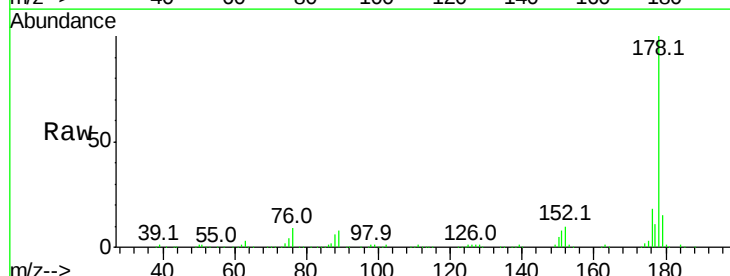
Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

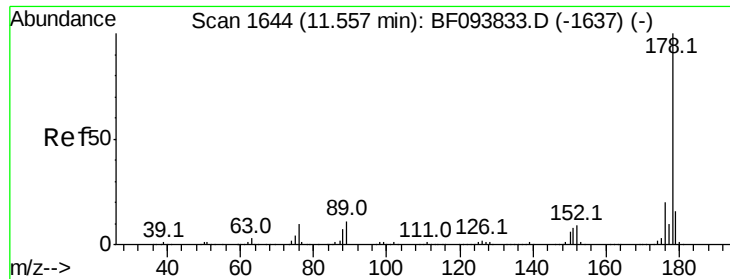
Tot Ion:188 Resp: 479659
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.7 10.2 15.2



#70
Phenanthrene
Concen: 10.82 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion:178 Resp: 288644
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 14.5 12.6 19.0

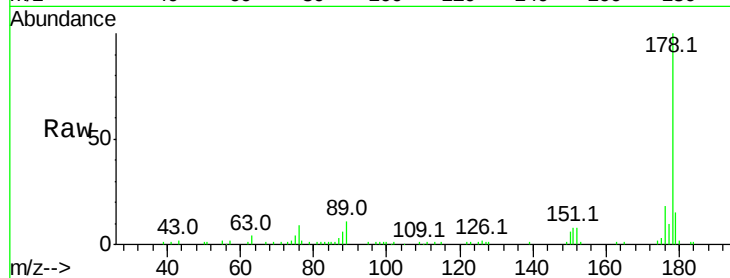




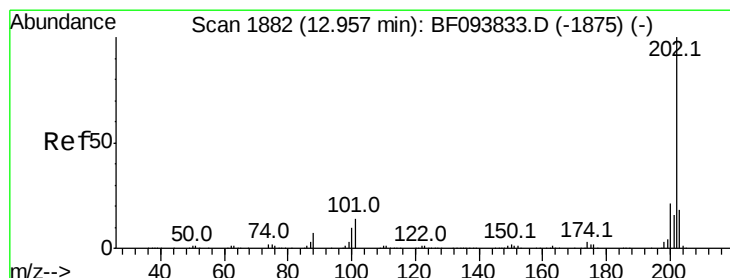
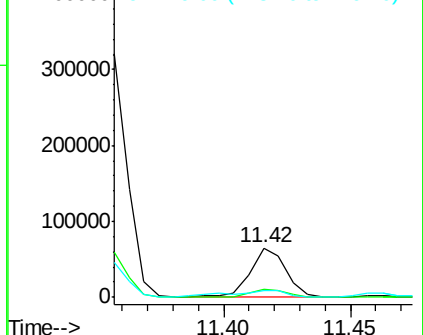
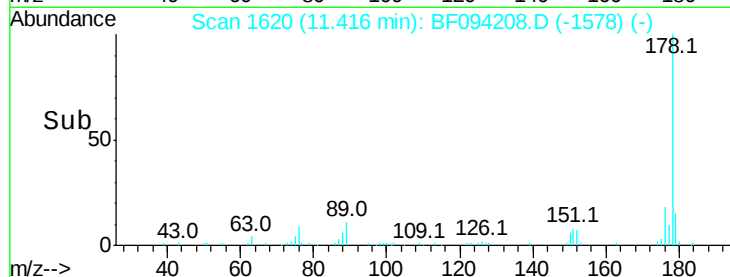
#71
 Anthracene
 Concen: 2.31 ng
 RT: 11.42 min Scan# 1620
 Delta R.T. -0.05 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

Tot Ion:178 Resp: 63556
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.8 23.8
 179 14.7 12.7 19.1

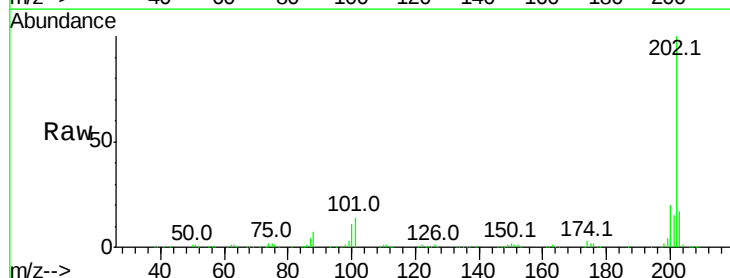


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

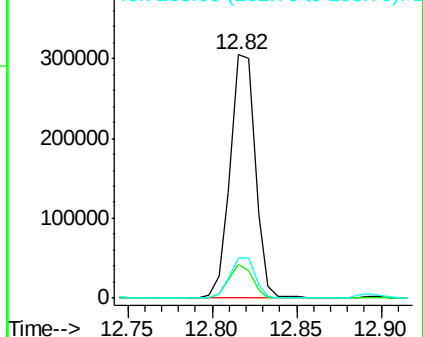
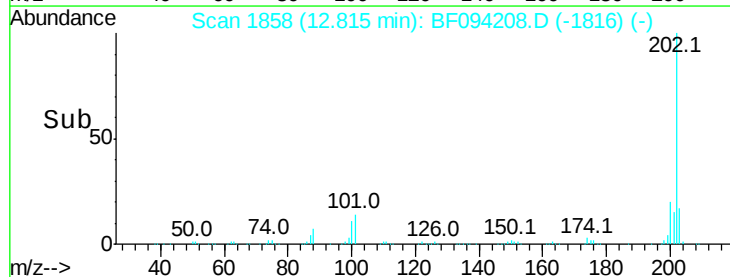


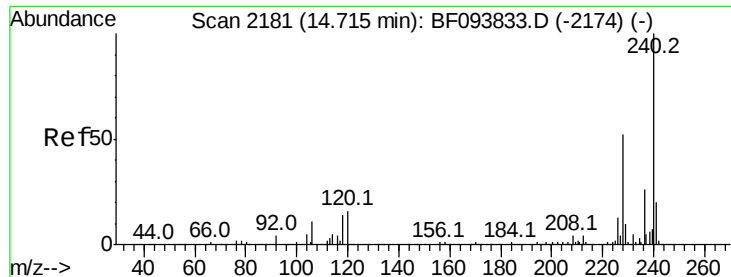
#74
 Fluoranthene
 Concen: 11.60 ng
 RT: 12.82 min Scan# 1858
 Delta R.T. -0.05 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion:202 Resp: 316947
 Ion Ratio Lower Upper
 202 100
 101 14.0 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

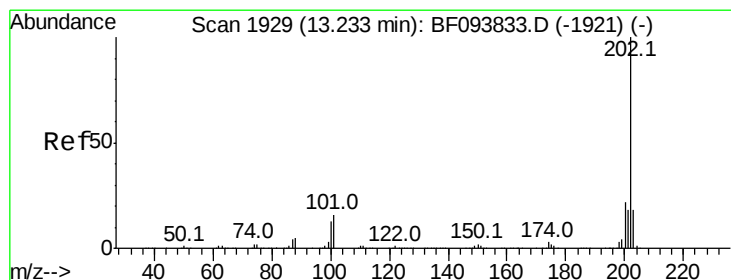
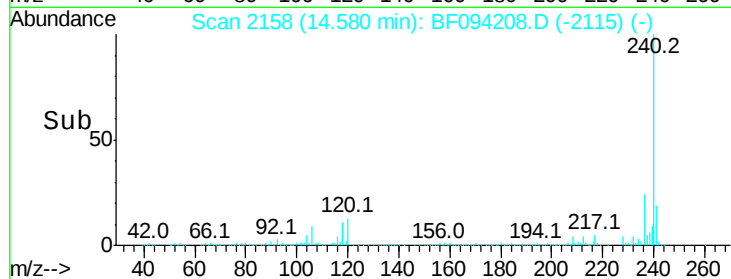
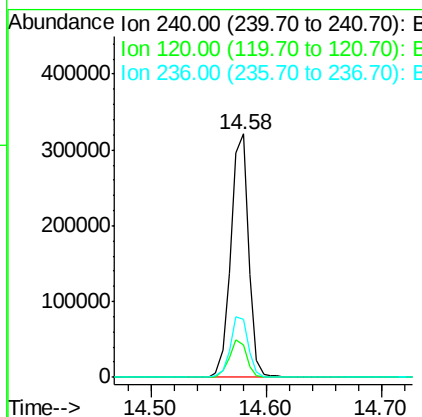
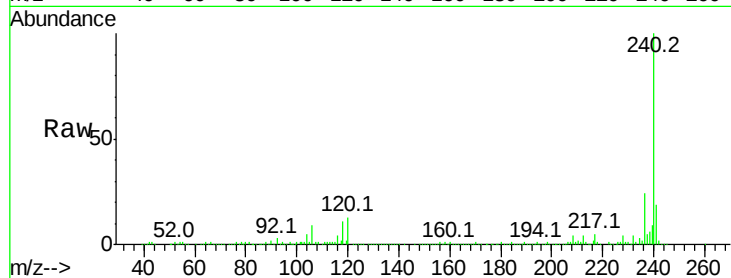




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.58 min Scan# 2158
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

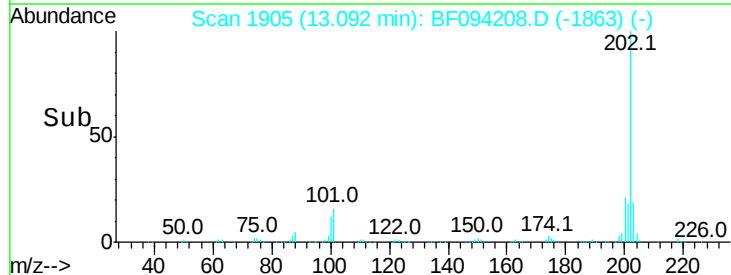
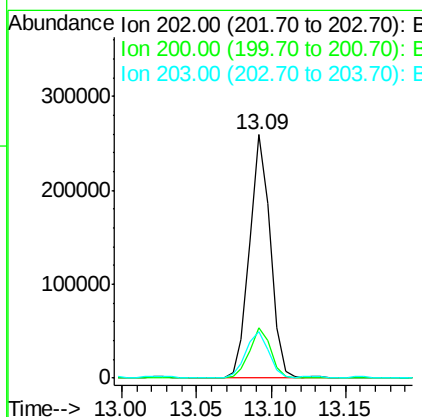
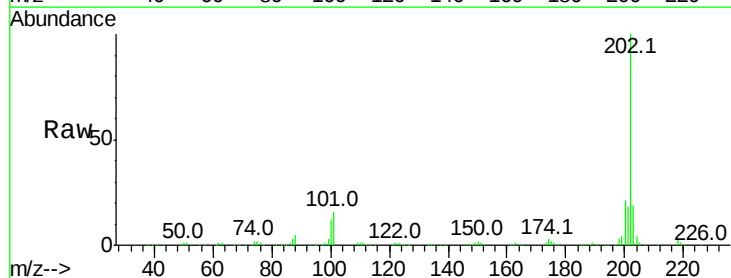
Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

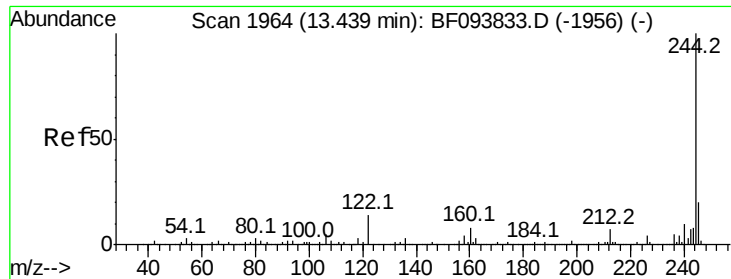
Tot Ion:240 Resp: 340992
Ion Ratio Lower Upper
240 100
120 13.4 5.8 8.8#
236 24.0 20.5 30.7



#77
Pyrene
Concen: 10.09 ng
RT: 13.09 min Scan# 1905
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion:202 Resp: 249621
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 19.0 14.4 21.6

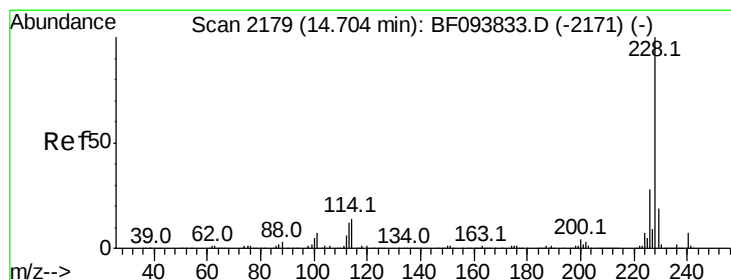
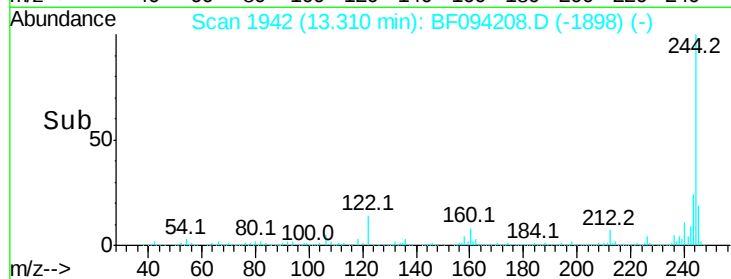
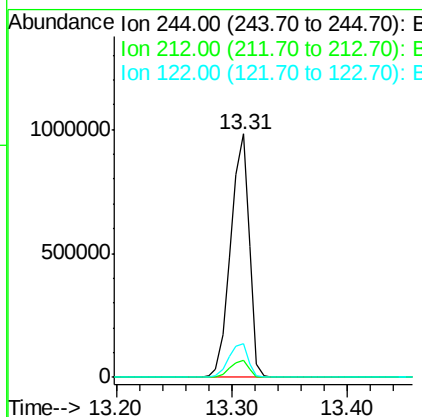
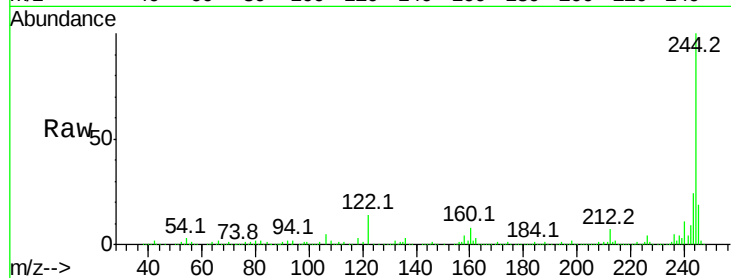




#78
 Terphenyl-d14
 Concen: 71.66 ng
 RT: 13.31 min Scan# 1942
 Delta R.T. -0.04 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

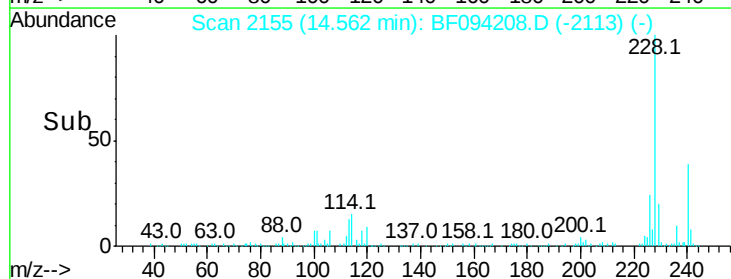
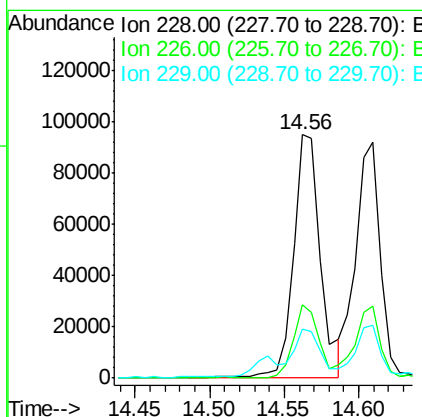
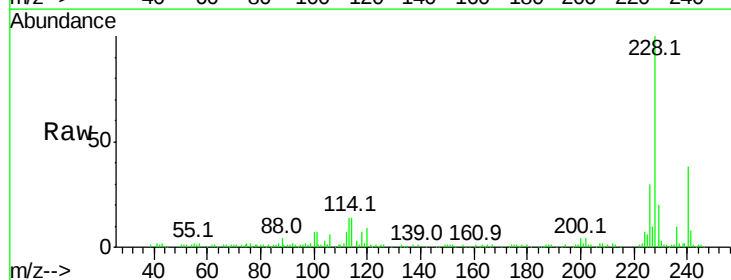
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

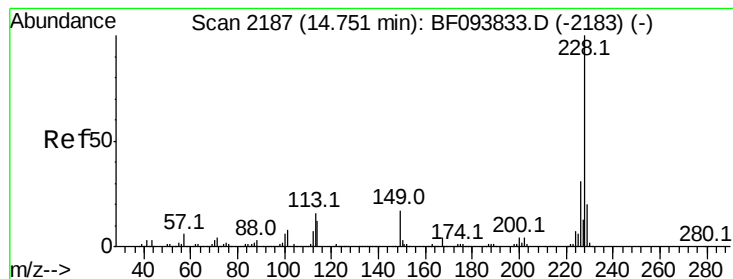
Tot Ion:244 Resp: 1090204
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 6.06 ng
 RT: 14.56 min Scan# 2155
 Delta R.T. -0.05 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion:228 Resp: 120526
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 5.71 ng

RT: 14.61 min Scan# 2163

Delta R.T. -0.05 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

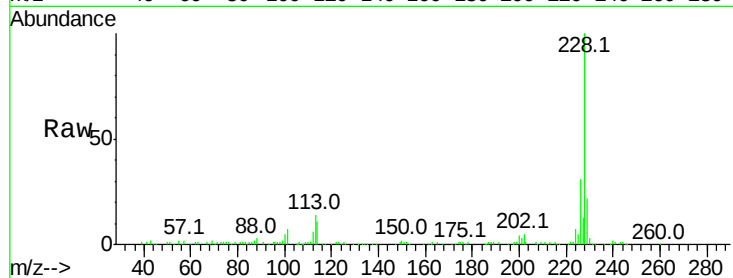
Tot Ion:228 Resp: 105306

Ion Ratio Lower Upper

228 100

226 30.6 24.9 37.3

229 22.3 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

120000

100000

80000

60000

40000

20000

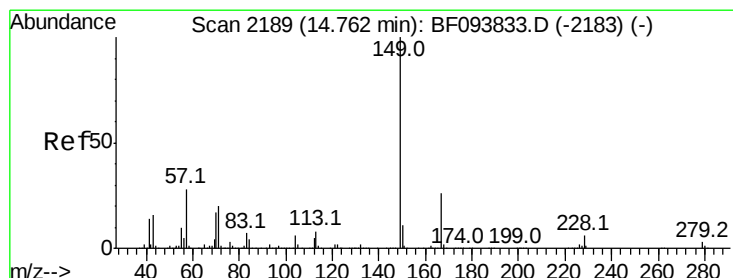
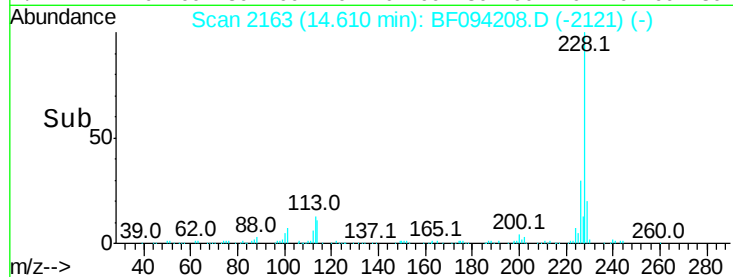
0

14.55

14.60

14.65

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.55 ng

RT: 14.63 min Scan# 2167

Delta R.T. -0.04 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

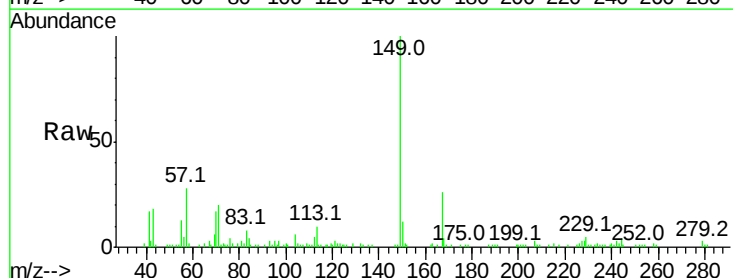
Tgt Ion:149 Resp: 51092

Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

279 3.0 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

60000

50000

40000

30000

20000

10000

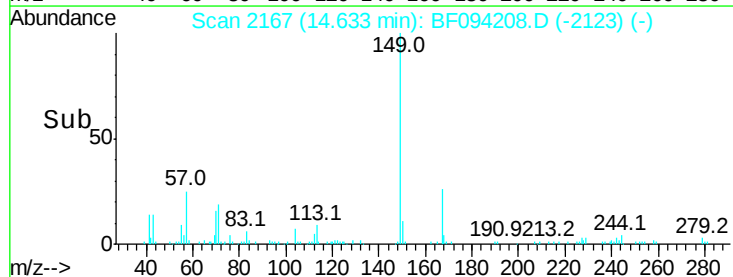
0

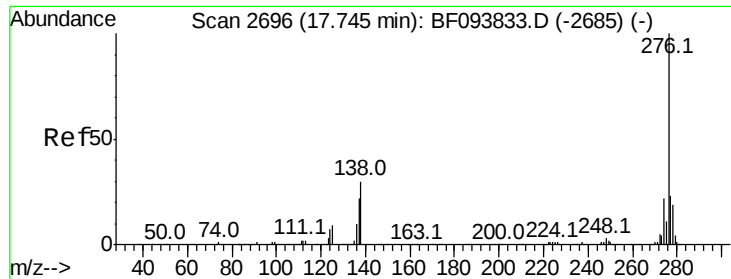
14.55

14.60

14.65

Time-->

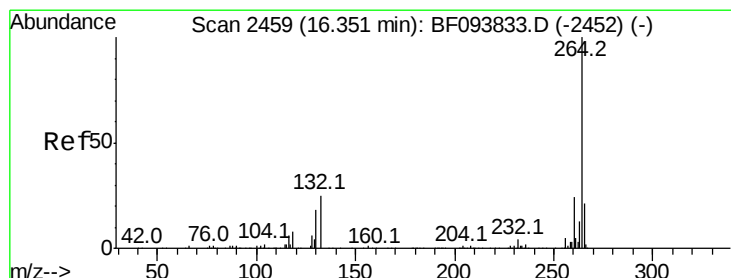
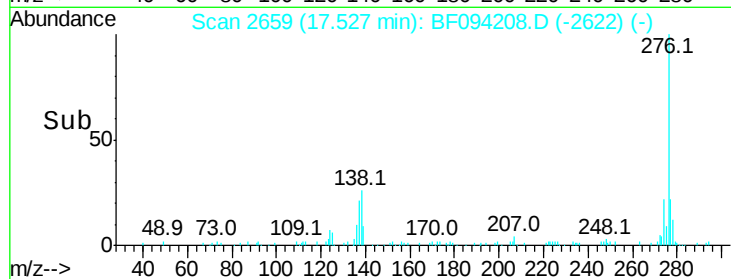
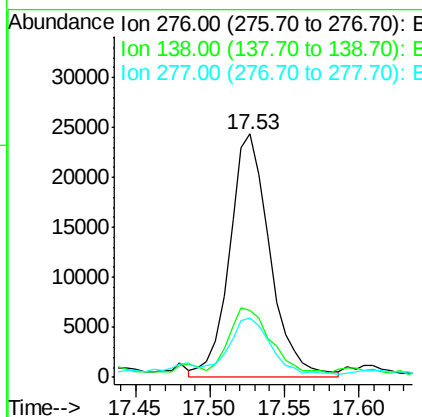
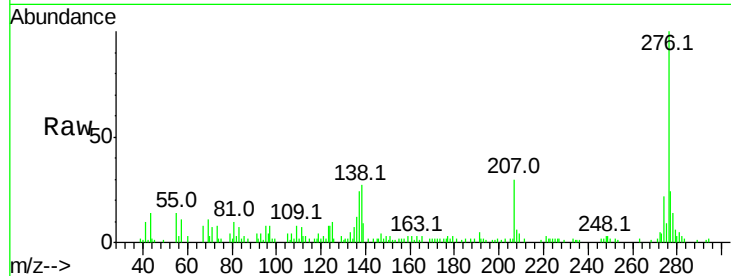




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.87 ng
 RT: 17.53 min Scan# 2659
 Delta R.T. -0.08 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

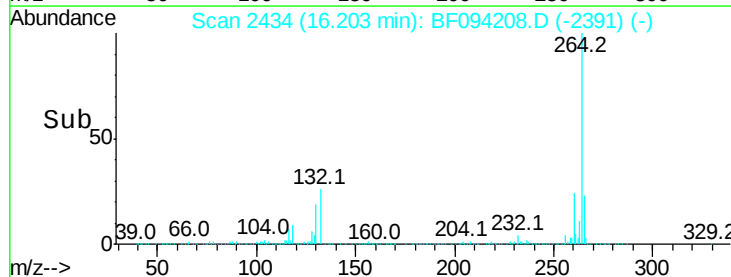
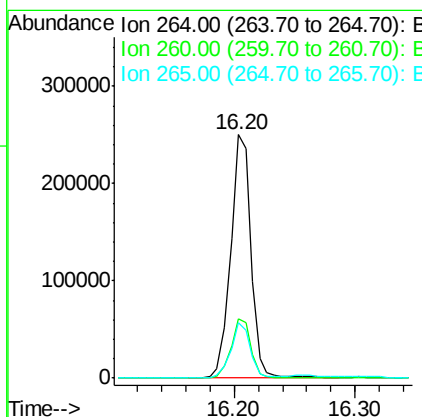
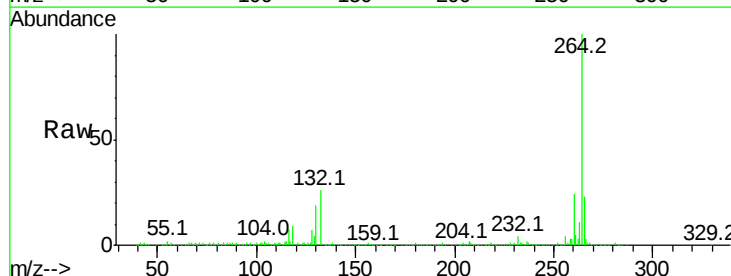
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-2-3-4

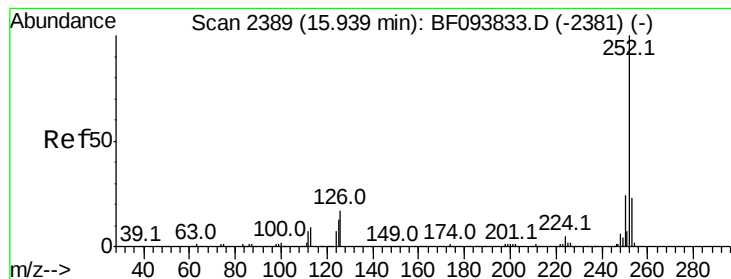
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	27.8	41.6
277	25.6	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.20 min Scan# 2434
 Delta R.T. -0.05 min
 Lab File: BF094208.D
 Acq: 5 Apr 2017 23:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.65 ng

RT: 15.80 min Scan# 2365

Delta R.T. -0.05 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

Instrument :

BNA_F

ClientSampleId :

SB-1-2-3-4

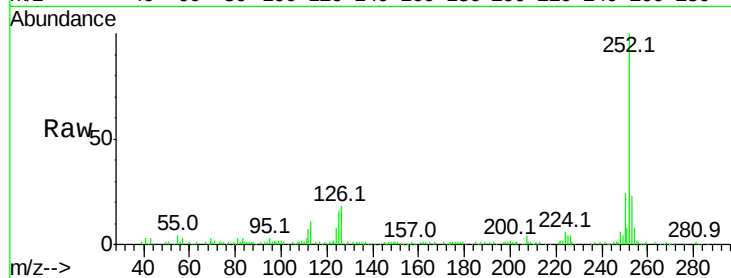
Tot Ion:252 Resp: 174415

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

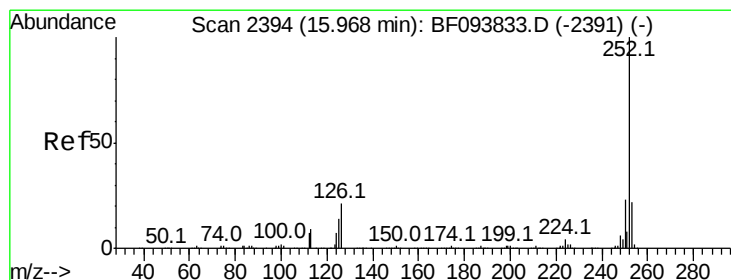
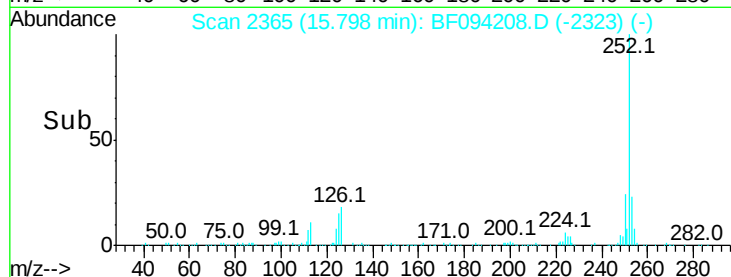
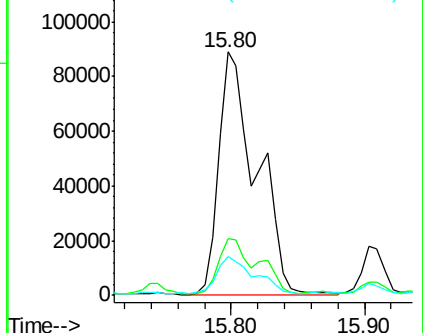
125 16.1 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 9.87 ng

RT: 15.80 min Scan# 2365

Delta R.T. -0.08 min

Lab File: BF094208.D

Acq: 5 Apr 2017 23:56

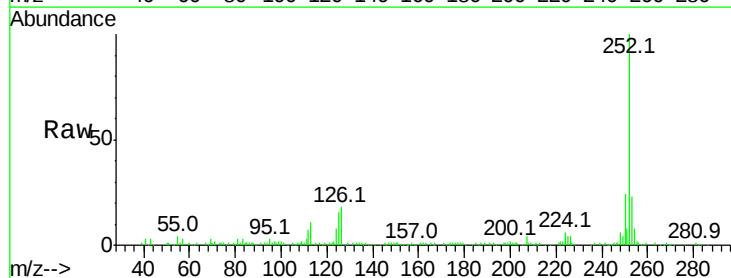
Tgt Ion:252 Resp: 174415

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

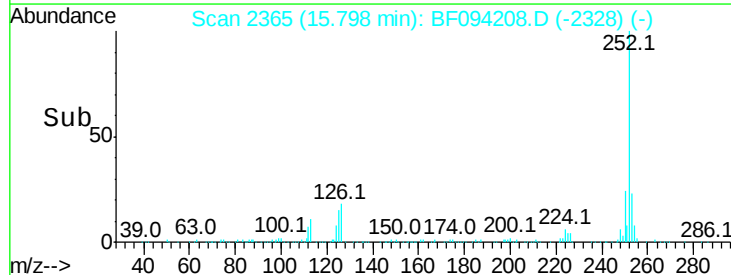
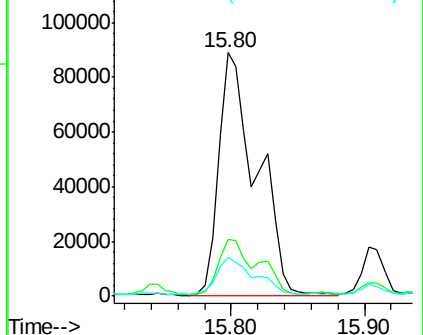
125 16.1 13.1 19.7

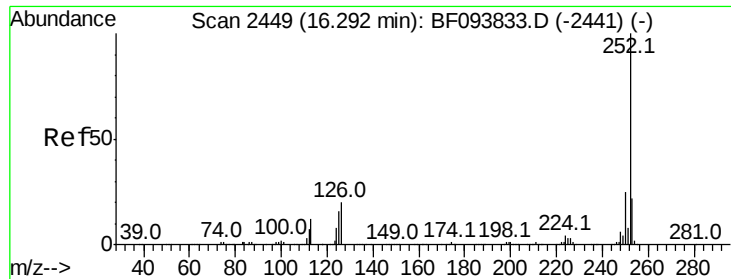


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

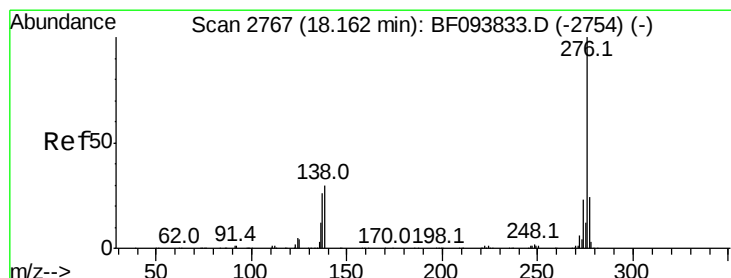
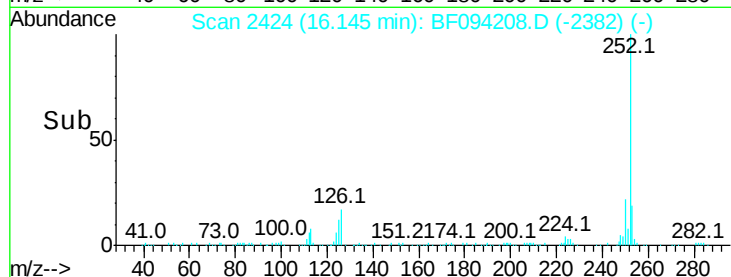
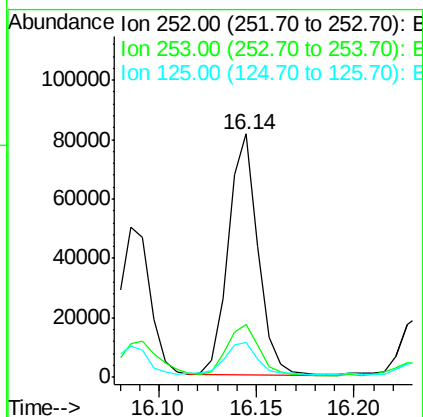
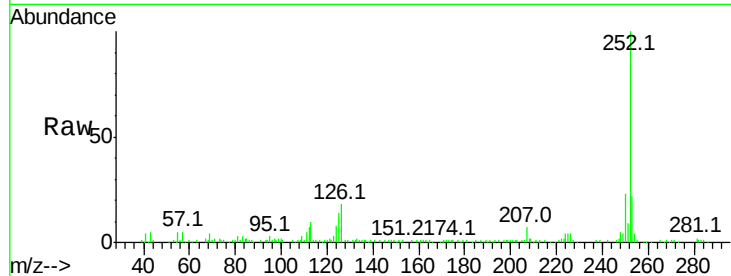




#89
Benzo(a)pyrene
Concen: 5.11 ng
RT: 16.14 min Scan# 2424
Delta R.T. -0.05 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Instrument :
BNA_F
ClientSampleId :
SB-1-2-3-4

Tot Ion:252 Resp: 85062
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 14.2 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 2.80 ng
RT: 17.92 min Scan# 2725
Delta R.T. -0.09 min
Lab File: BF094208.D
Acq: 5 Apr 2017 23:56

Tgt Ion:276 Resp: 39719
Ion Ratio Lower Upper
276 100
277 22.2 18.6 28.0
138 33.1 25.4 38.0

