

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093394.D
 Acq On : 4 Mar 2017 9:22
 Operator : SJ/MA
 Sample : I2057-16 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 35B-4

Quant Time: Mar 05 23:42:30 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

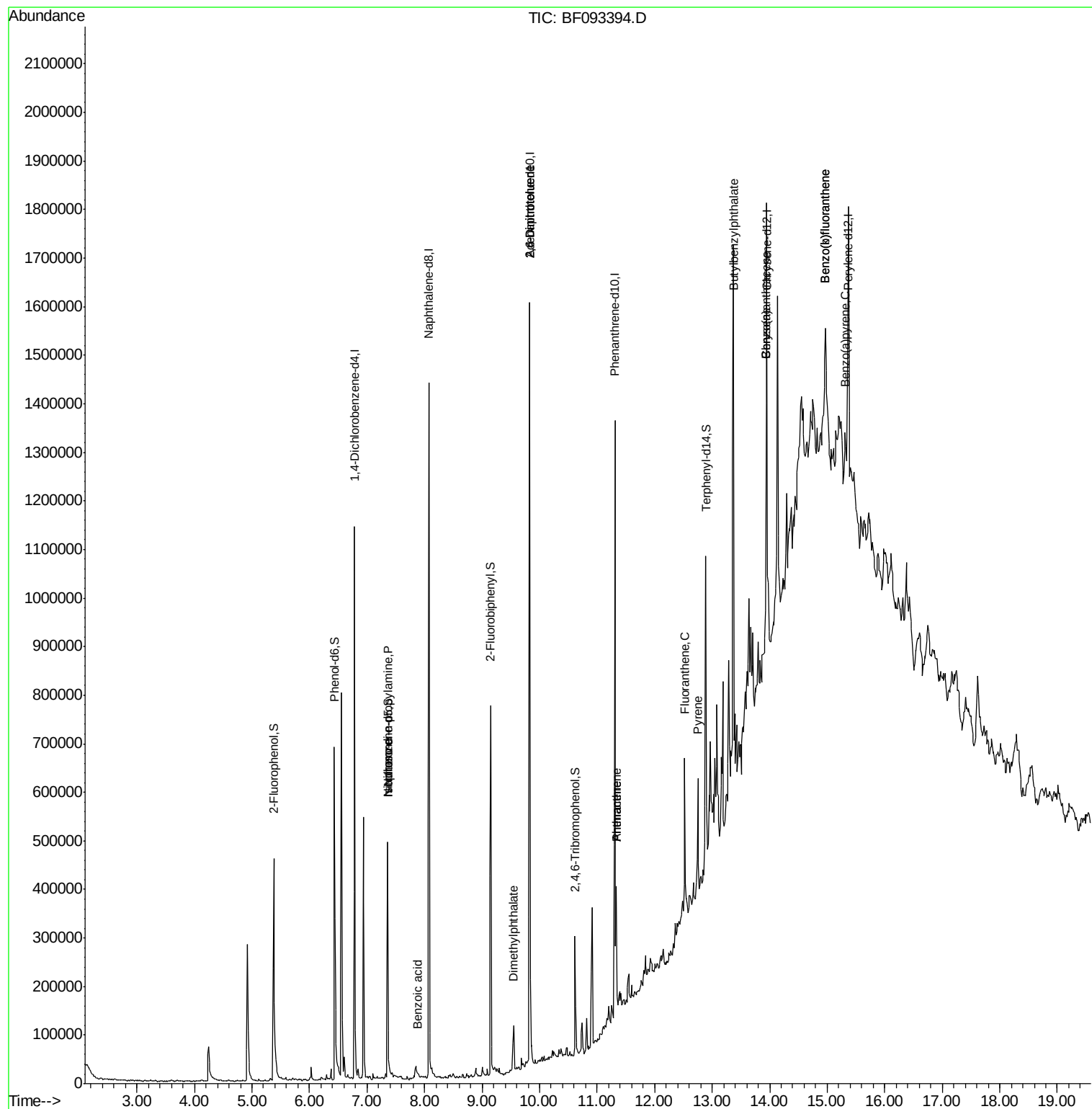
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	192370	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	717594	20.00	ng	-0.07
38) Acenaphthene-d10	9.82	164	312271	20.00	ng	-0.07
63) Phenanthrene-d10	11.31	188	475138	20.00	ng	-0.07
75) Chrysene-d12	13.95	240	356900	20.00	ng	-0.07
86) Perylene-d12	15.37	264	289611	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	203780	18.17	ng	-0.07
7) Phenol-d6	6.43	99	317126	21.98	ng	-0.06
23) Nitrobenzene-d5	7.36	82	179445	13.93	ng	-0.07
41) 2,4,6-Tribromophenol	10.61	330	27517	12.18	ng	-0.07
44) 2-Fluorobiphenyl	9.15	172	311018	18.04	ng	-0.07
78) Terphenyl-d14	12.89	244	187824	12.37	ng	-0.08
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	23332	2.54	ng	# 79
25) Isophorone	7.36	82	157183	6.55	ng	# 65
32) Benzoic acid	7.88	122	862	7.28	ng	90
49) Dimethylphthalate	9.55	163	46837	2.23	ng	100
50) 2,6-Dinitrotoluene	9.82	165	40223	8.85	ng	# 31
56) 2,4-Dinitrotoluene	9.82	165	41252	6.82	ng	# 20
70) Phenanthrene	11.33	178	93919	3.45	ng	99
71) Anthracene	11.33	178	93919	3.44	ng	99
74) Fluoranthene	12.52	202	128387	4.57	ng	97
77) Pyrene	12.75	202	102181	3.83	ng	100
79) Butylbenzylphthalate	13.37	149	350662	32.33	ng	# 80
80) Benzo(a)anthracene	13.94	228	60677	2.78	ng	97
82) Chrysene	13.94	228	60677	2.97	ng	94
87) Benzo(b)fluoranthene	14.97	252	84104	4.41	ng	# 67
88) Benzo(k)fluoranthene	14.97	252	84104	5.11	ng	# 67
89) Benzo(a)pyrene	15.31	252	41616	2.52	ng	# 61

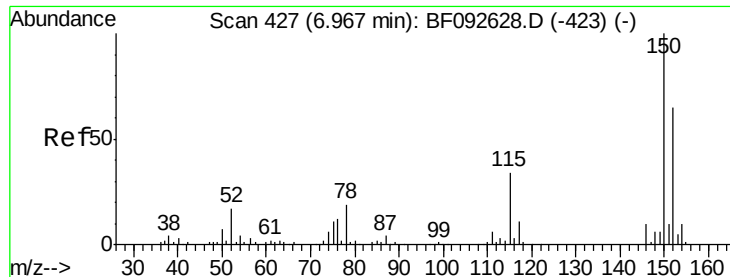
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

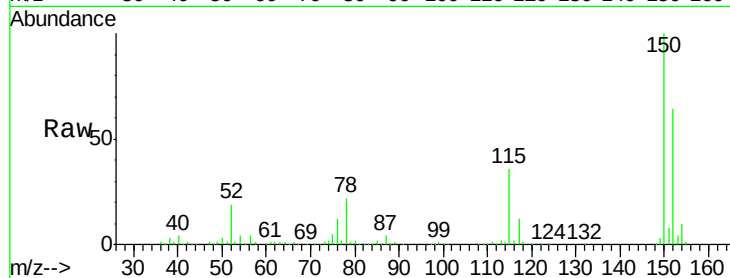
Tgt Ion:152 Resp: 192370

Ion Ratio Lower Upper

152 100

150 155.6 124.9 187.3

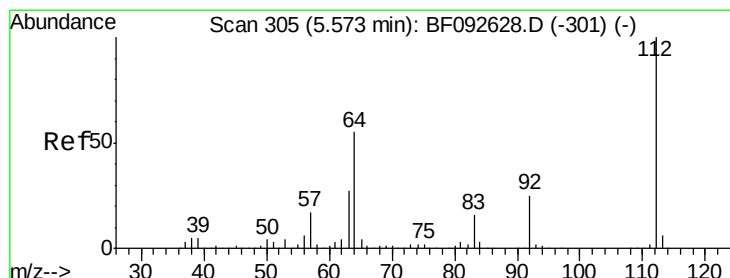
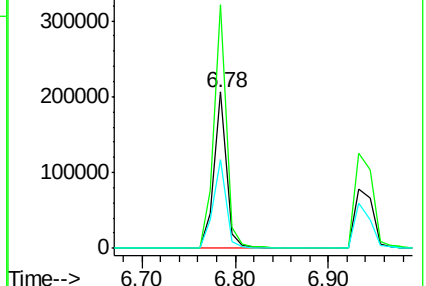
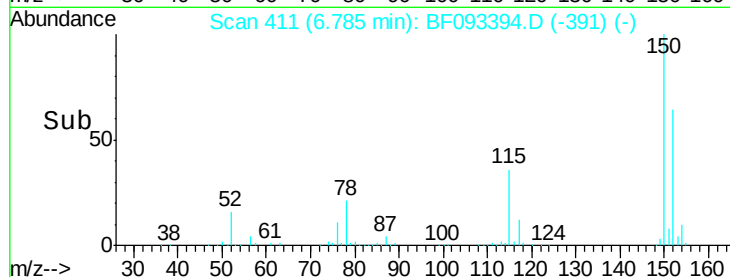
115 56.5 46.0 69.0



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: 18.17 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

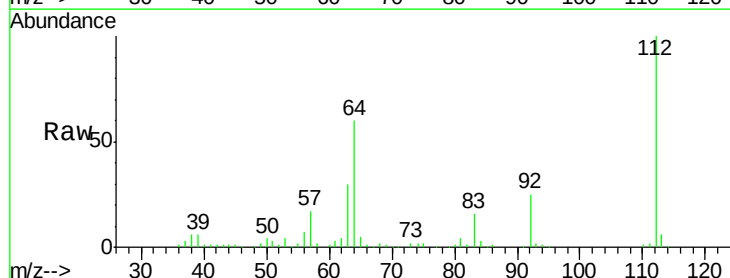
Tgt Ion:112 Resp: 203780

Ion Ratio Lower Upper

112 100

64 59.8 46.1 69.1

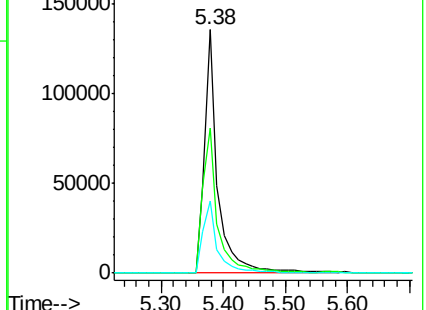
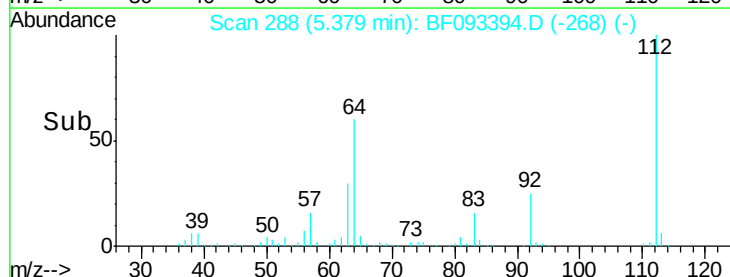
63 29.8 23.8 35.6

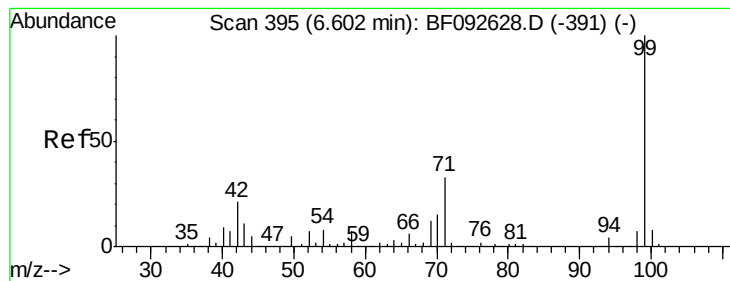


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.98 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.06 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

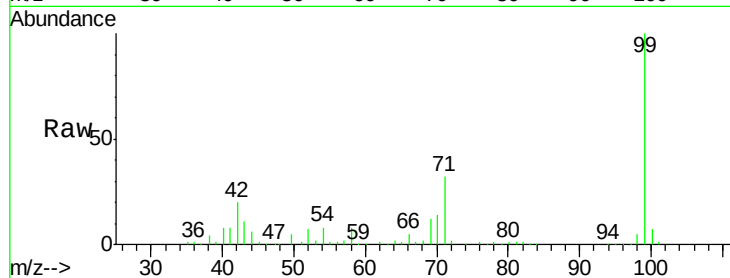
Tgt Ion: 99 Resp: 317126

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

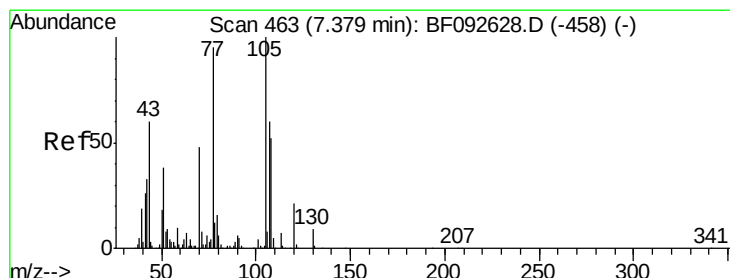
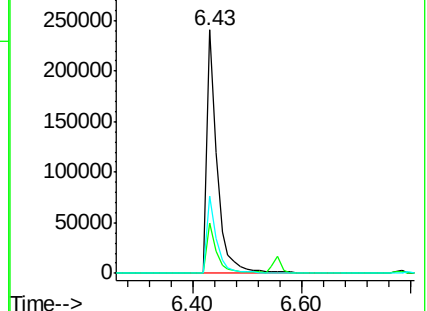
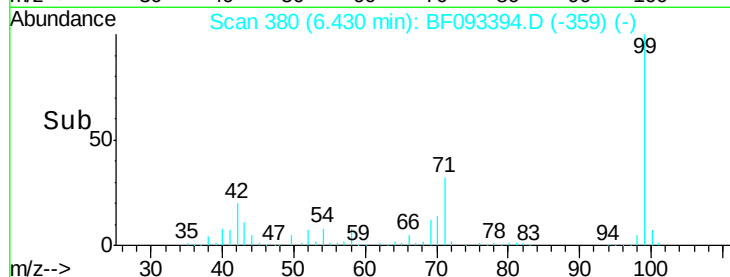
71 31.7 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.54 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.08 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Tgt Ion: 70 Resp: 23332

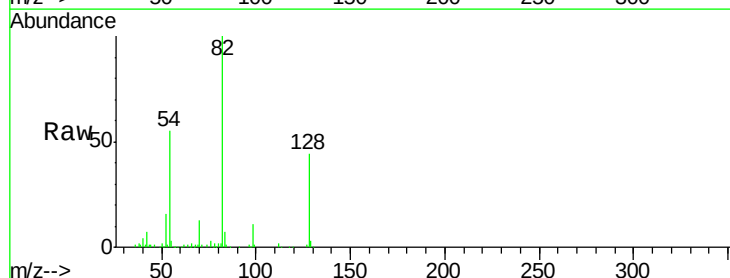
Ion Ratio Lower Upper

70 100

42 49.7 49.4 74.0

101 0.0 7.4 11.2#

130 1.7 14.2 21.4#

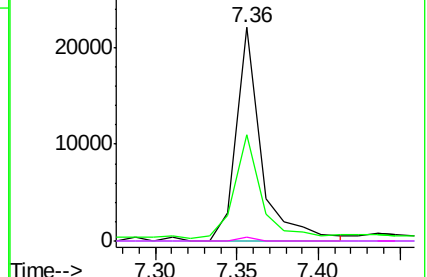
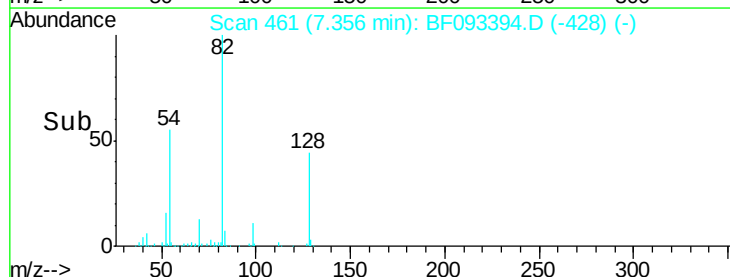


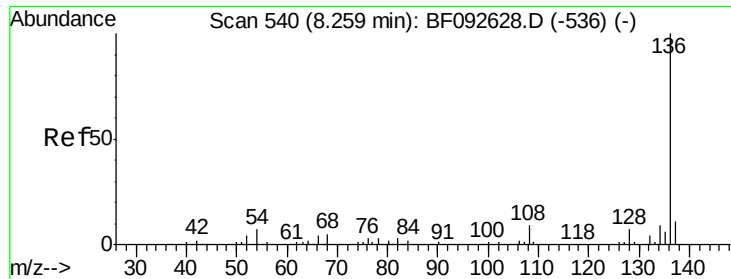
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

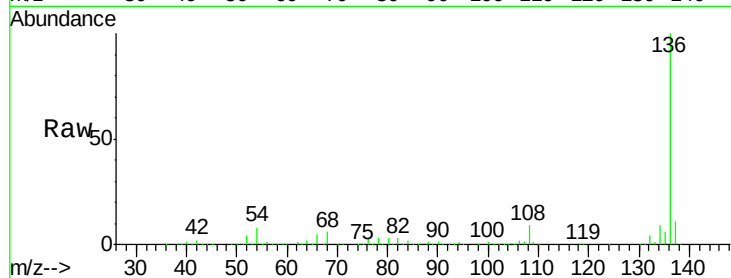




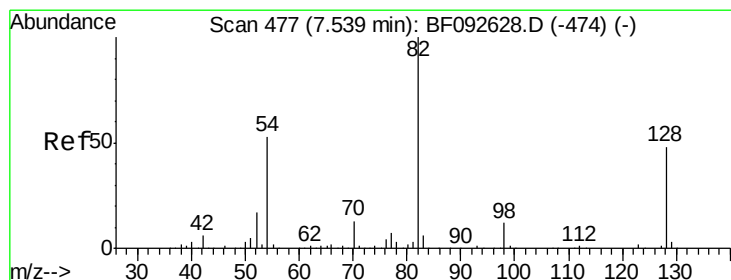
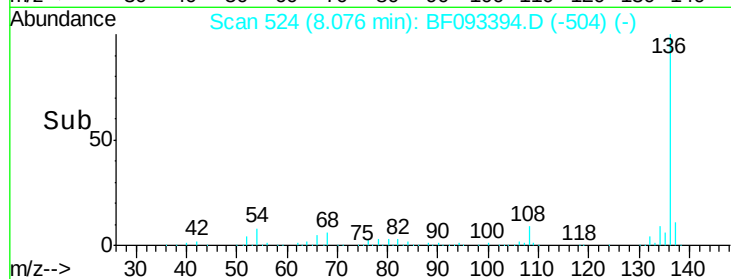
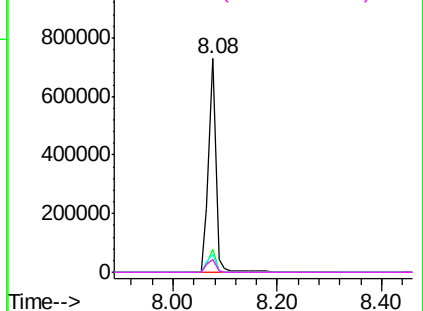
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Instrument :
BNA_F
ClientSampleId :
35B-4

Tgt Ion:	136	Resp:	717594
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.4	4.5	6.7#
68	6.1	3.6	5.4#

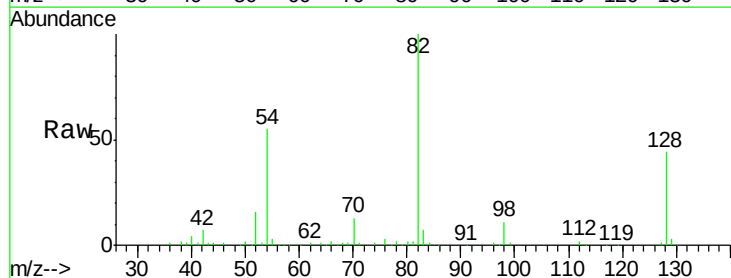


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

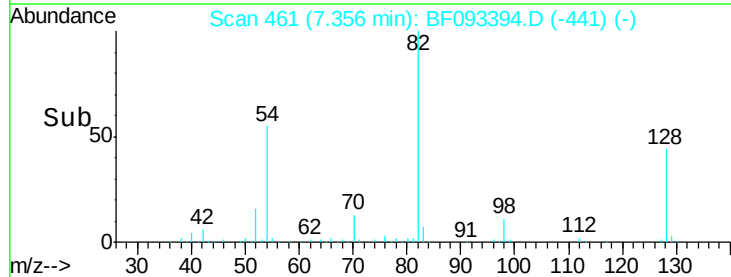
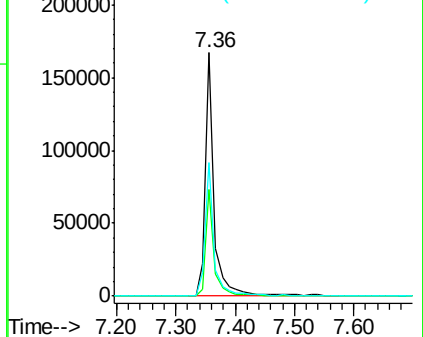


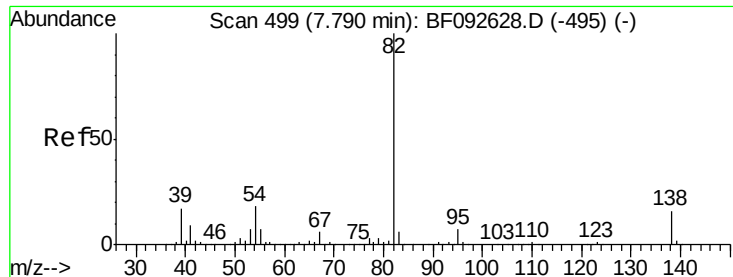
#23
Nitrobenzene-d5
Concen: 13.93 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.07 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Tgt Ion:	82	Resp:	179445
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.6	52.0
54	54.8	39.5	59.3



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





#25

Isophorone

Concen: 6.55 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.33 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

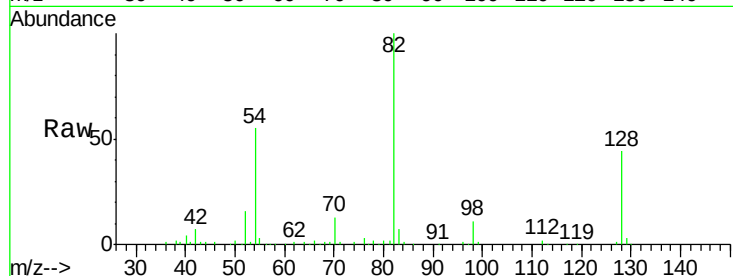
Tgt Ion: 82 Resp: 157183

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

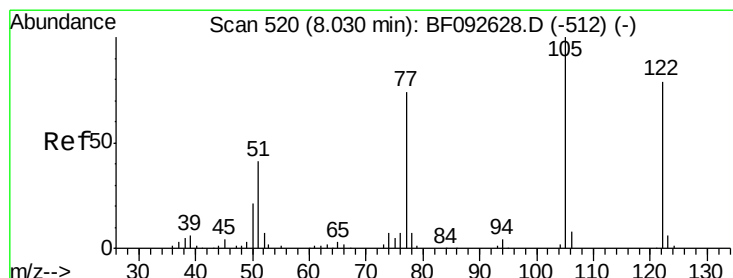
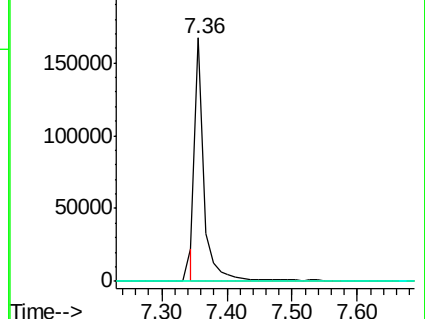
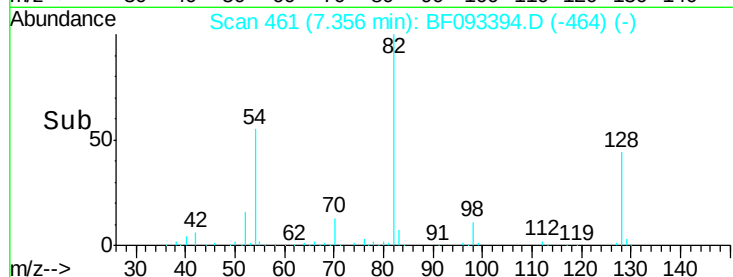
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 7.28 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.05 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

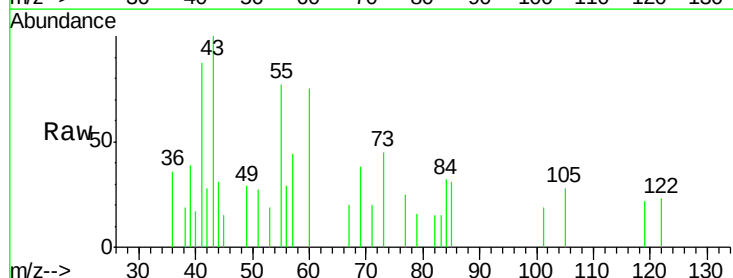
Tgt Ion: 122 Resp: 862

Ion Ratio Lower Upper

122 100

105 123.1 107.2 147.2

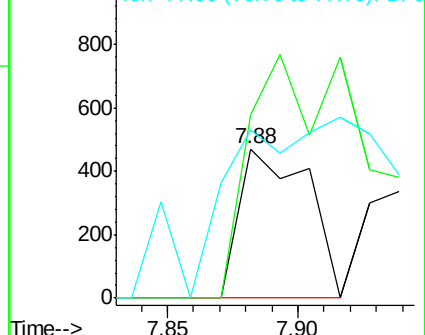
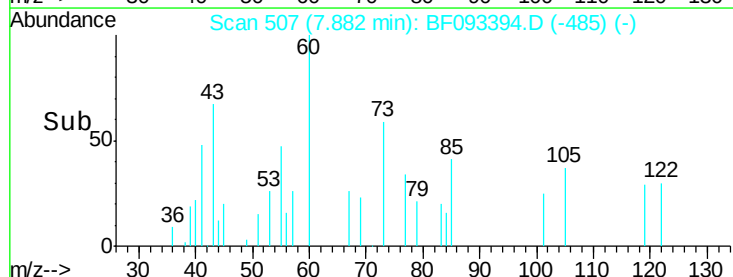
77 112.7 74.5 114.5

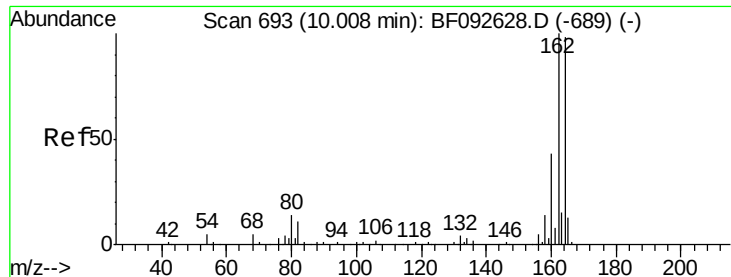


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

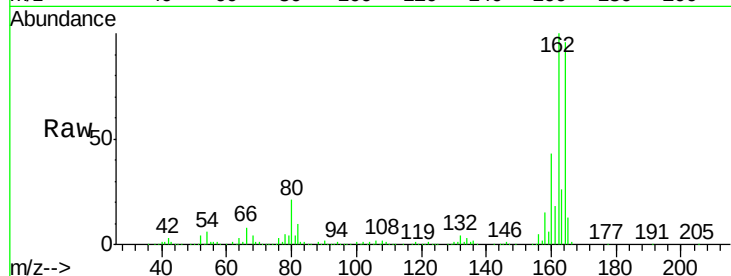
Tgt Ion:164 Resp: 312271

Ion Ratio Lower Upper

164 100

162 103.9 80.2 120.2

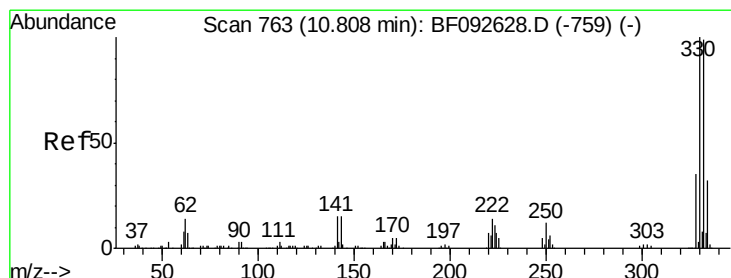
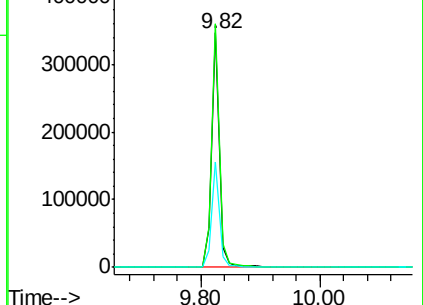
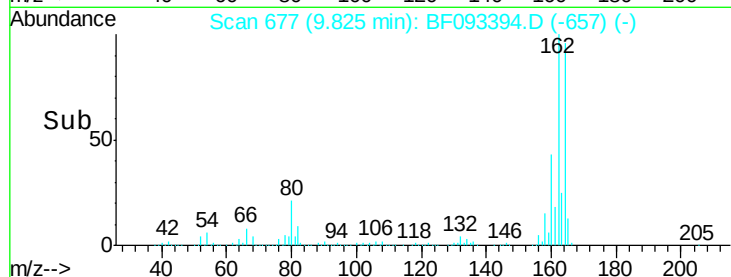
160 44.8 36.9 55.3



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: 12.18 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

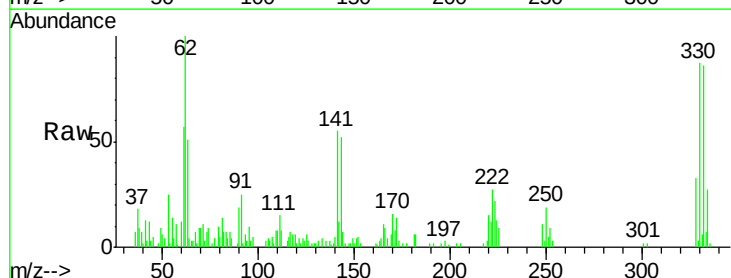
Tgt Ion:330 Resp: 27517

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

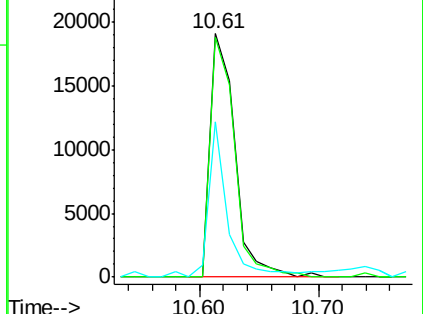
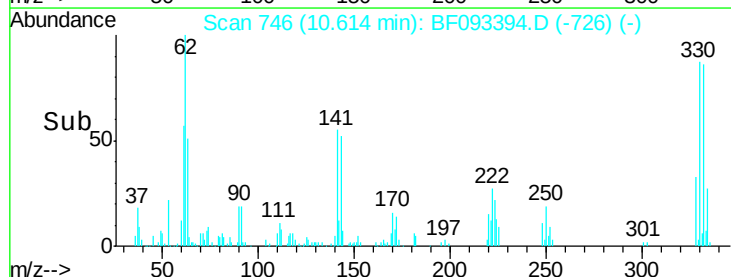
141 48.9 34.1 51.1

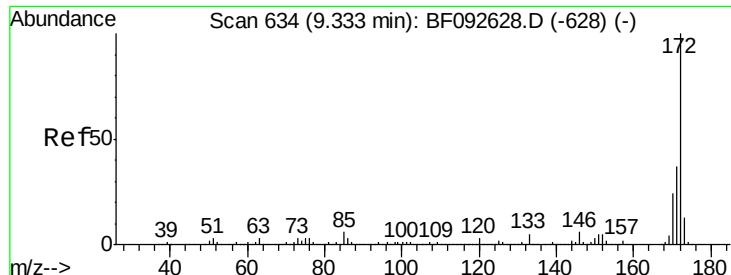


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

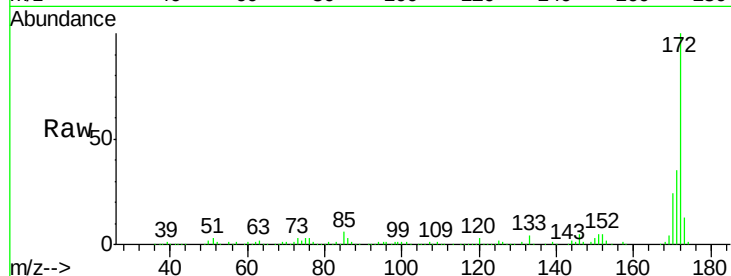




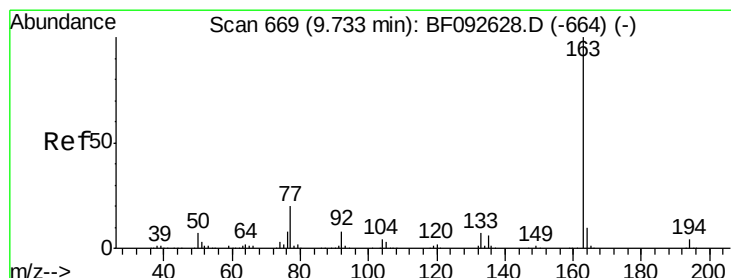
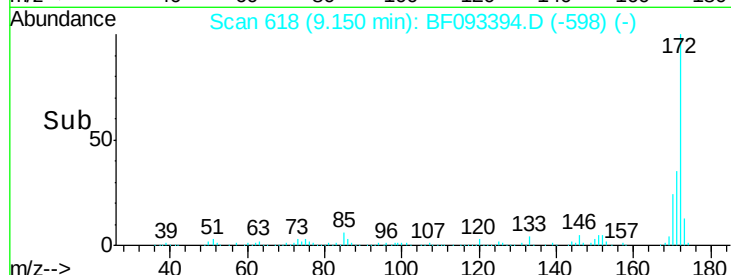
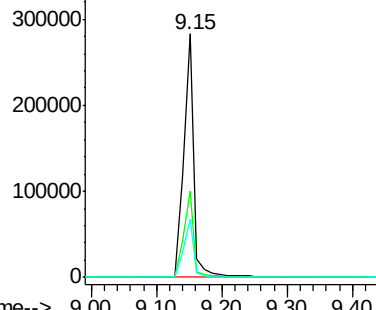
#44
2-Fluorobiphenyl
Concen: 18.04 ng
RT: 9.15 min Scan# 618
Delta R.T. -0.07 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Instrument :
BNA_F
ClientSampleId :
35B-4

Tgt Ion:172 Resp: 311018
Ion Ratio Lower Upper
172 100
171 35.2 29.4 44.0
170 23.9 20.2 30.4

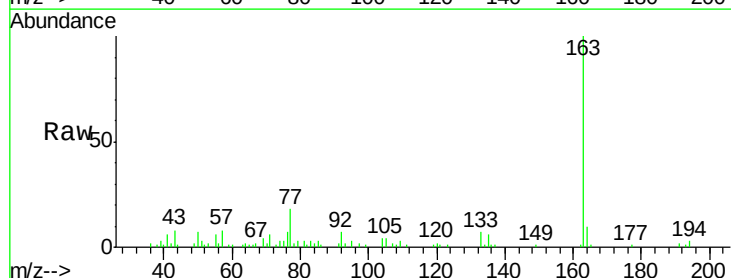


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

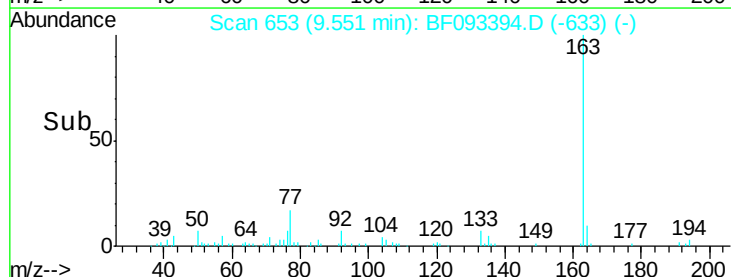
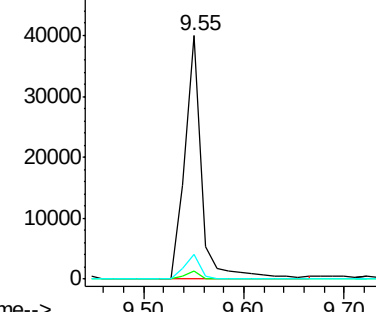


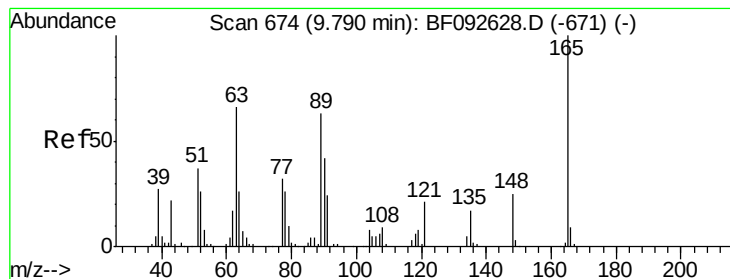
#49
Dimethylphthalate
Concen: 2.23 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.07 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Tgt Ion:163 Resp: 46837
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.0 8.0 12.0



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





#50

2,6-Dinitrotoluene

Concen: 8.85 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.14 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

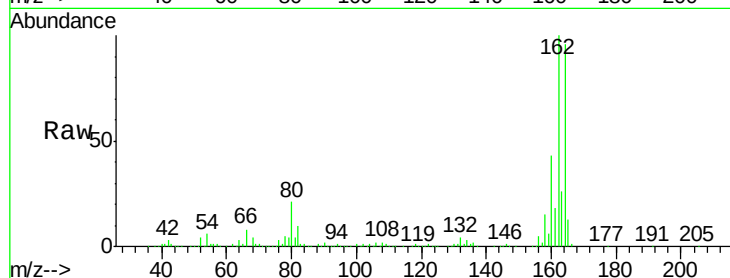
Tgt Ion:165 Resp: 40223

Ion Ratio Lower Upper

165 100

63 1.2 36.2 54.4#

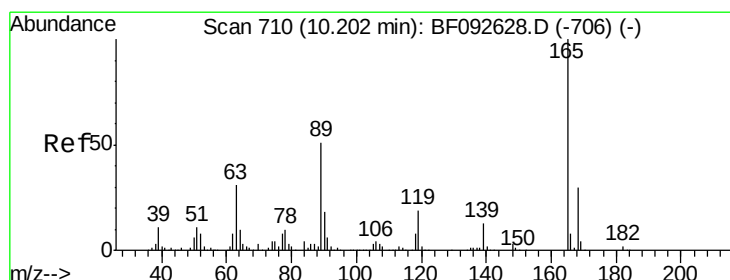
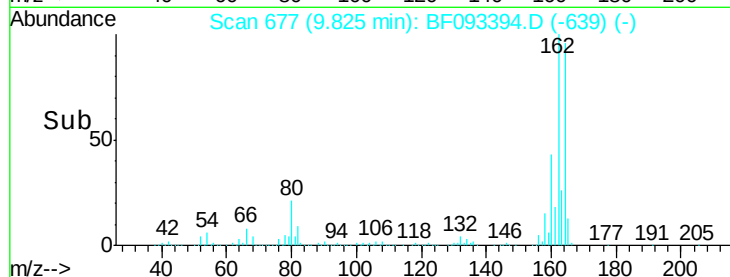
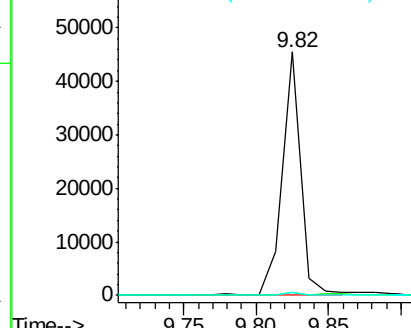
89 1.4 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.82 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.26 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Tgt Ion:165 Resp: 41252

Ion Ratio Lower Upper

165 100

63 1.2 40.2 60.4#

89 1.4 62.5 93.7#

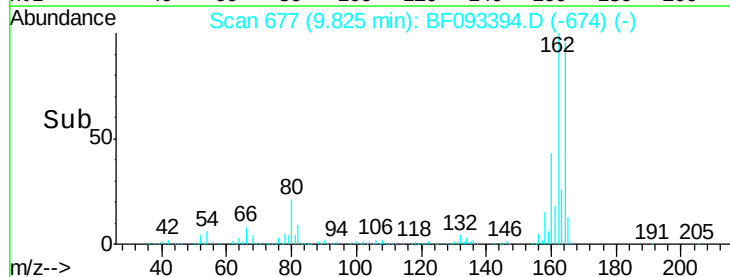
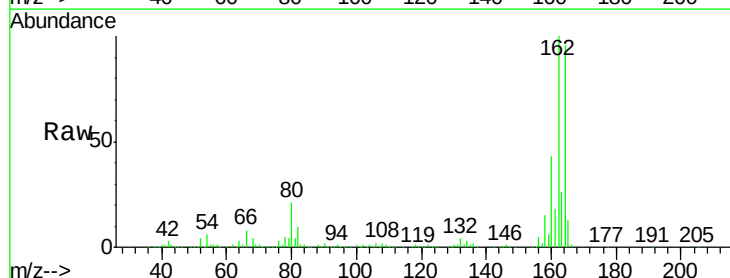
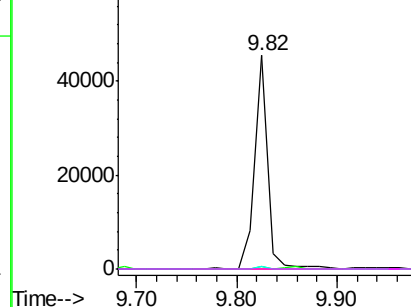
182 0.0 1.8 2.8#

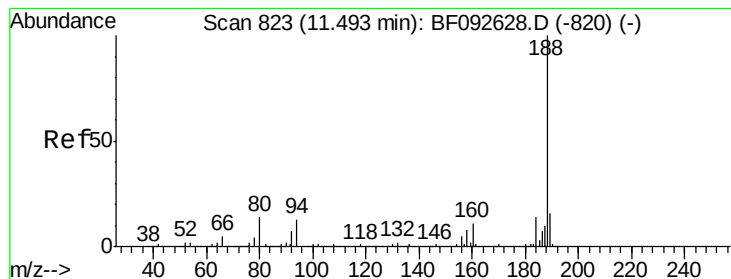
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.31 min Scan# 807

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

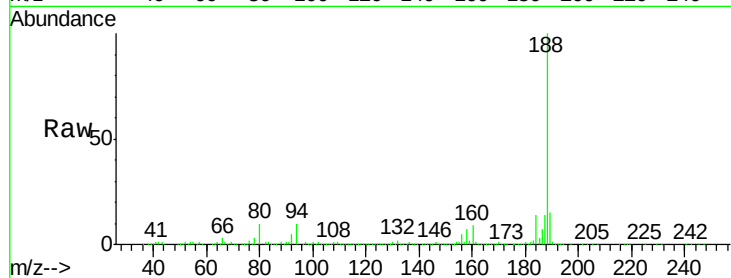
Tgt Ion:188 Resp: 475138

Ion Ratio Lower Upper

188 100

94 9.9 10.0 15.0#

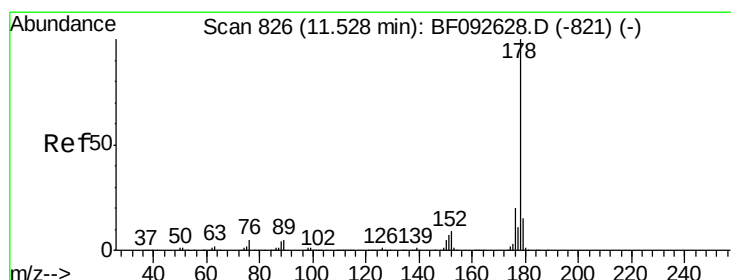
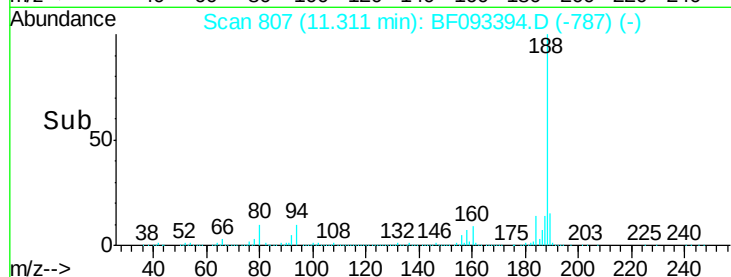
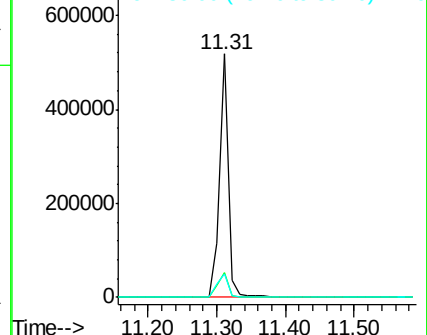
80 9.7 11.2 16.8#



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: 3.45 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

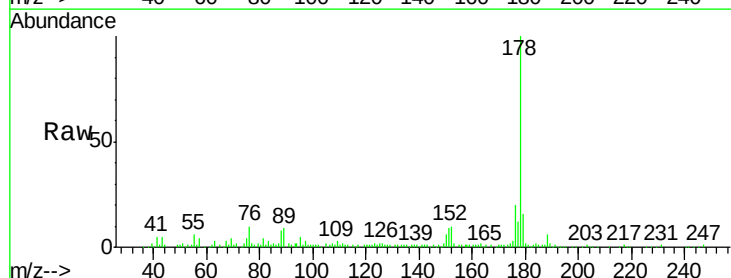
Tgt Ion:178 Resp: 93919

Ion Ratio Lower Upper

178 100

176 20.2 16.6 25.0

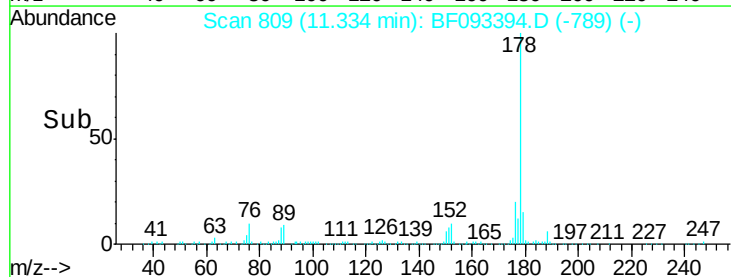
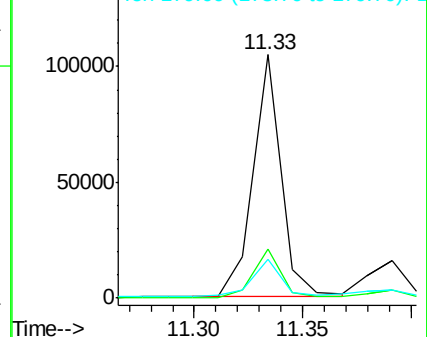
179 15.9 12.8 19.2

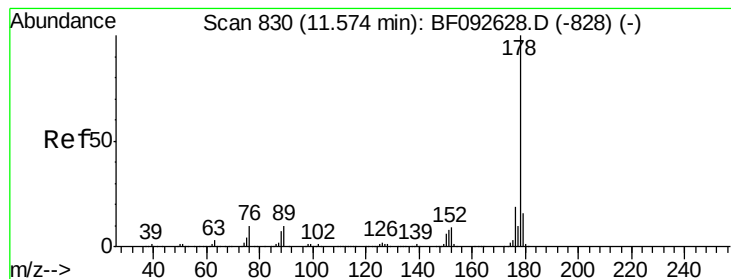


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.44 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.13 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampled :

35B-4

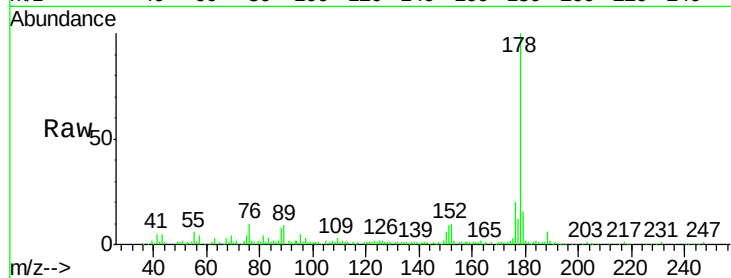
Tgt Ion:178 Resp: 93919

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

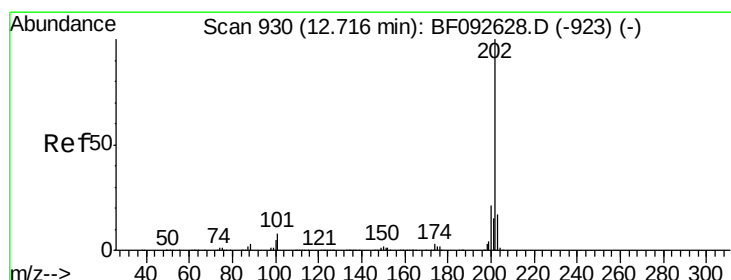
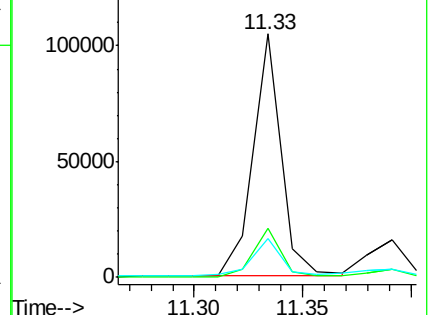
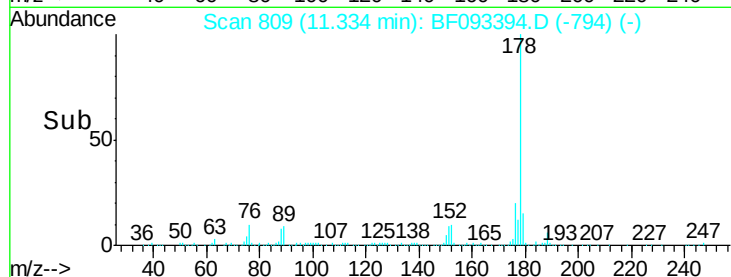
179 15.9 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.57 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

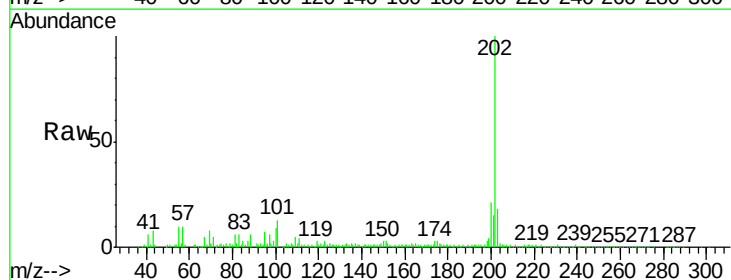
Tgt Ion:202 Resp: 128387

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.6

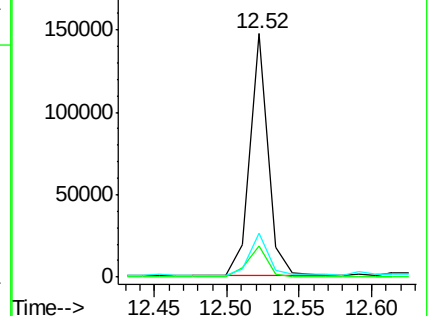
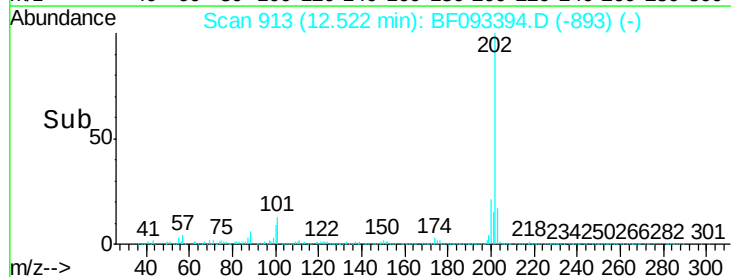
203 17.8 0.0 38.7

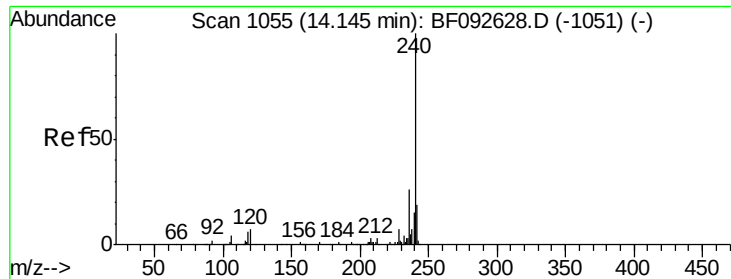


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

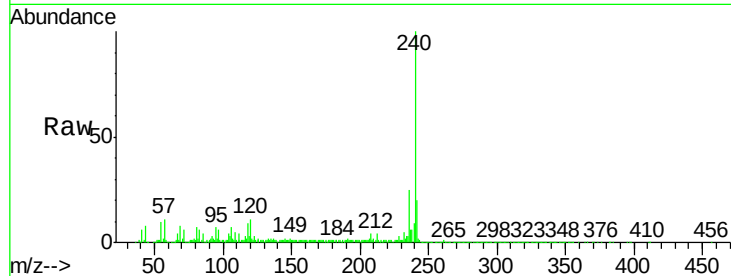
Tgt Ion:240 Resp: 356900

Ion Ratio Lower Upper

240 100

120 11.4 12.9 19.3#

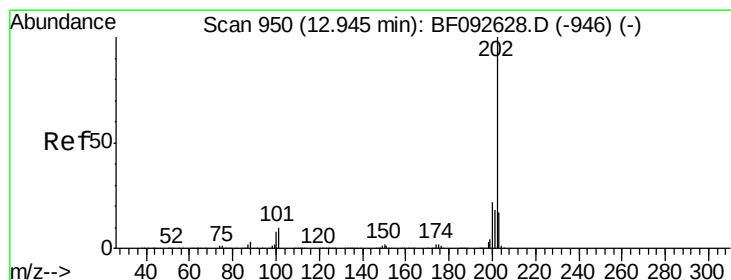
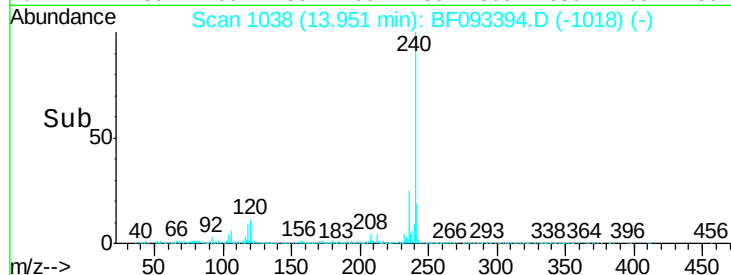
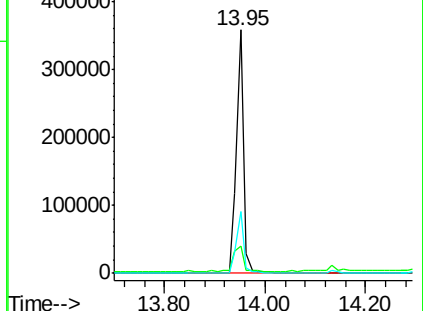
236 25.3 20.9 31.3



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: 3.83 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

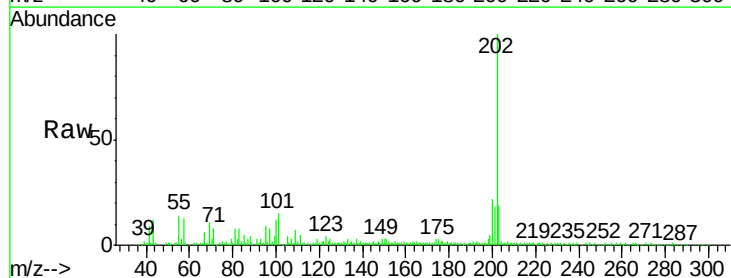
Tgt Ion:202 Resp: 102181

Ion Ratio Lower Upper

202 100

200 22.0 17.7 26.5

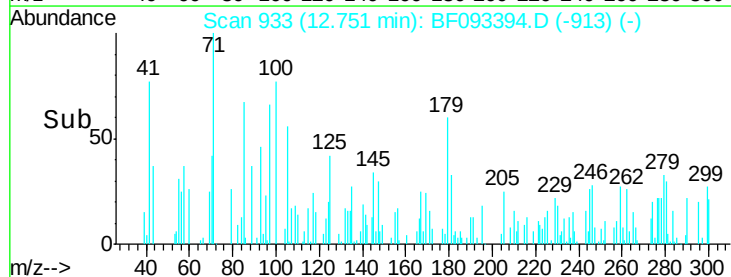
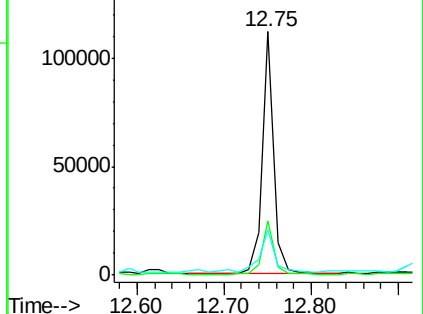
203 18.8 14.7 22.1

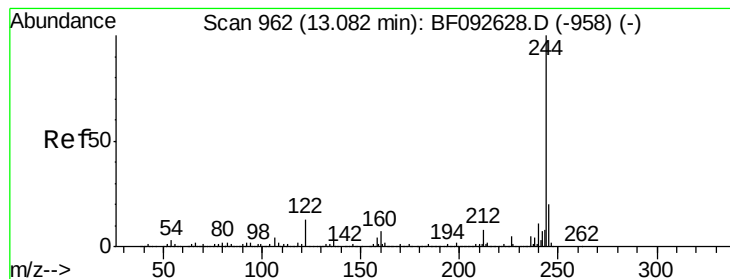


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 12.37 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.08 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

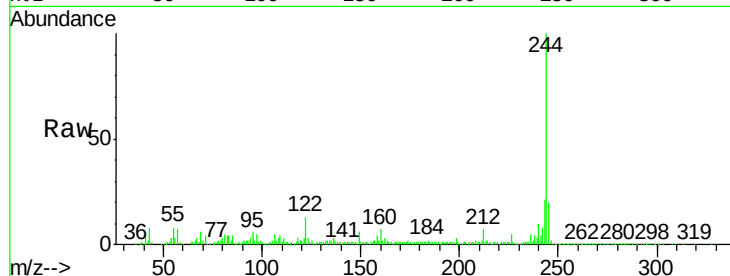
Tgt Ion:244 Resp: 187824

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

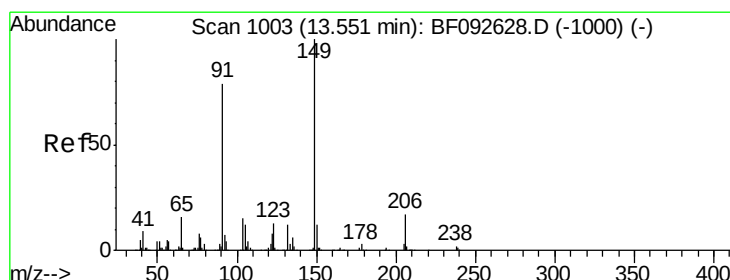
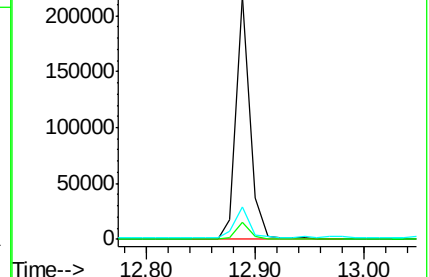
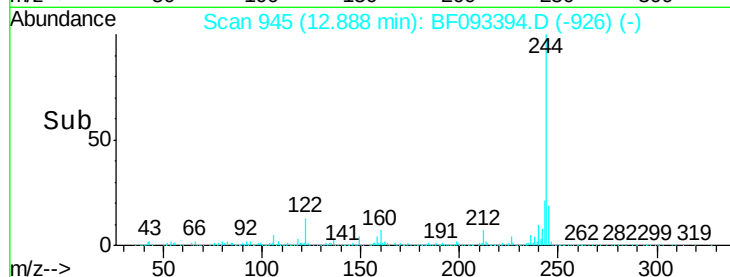
122 13.2 11.4 17.2



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



#79

Butylbenzylphthalate

Concen: 32.33 ng

RT: 13.37 min Scan# 987

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

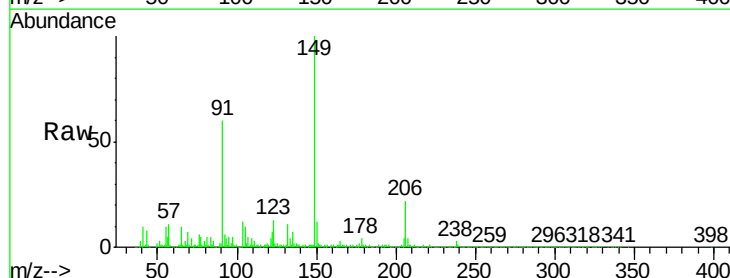
Tgt Ion:149 Resp: 350662

Ion Ratio Lower Upper

149 100

91 59.8 63.9 95.9#

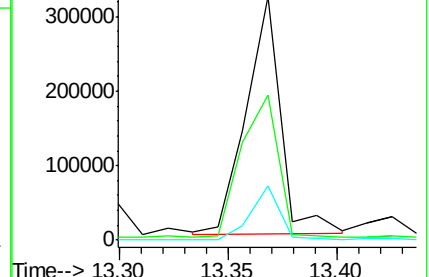
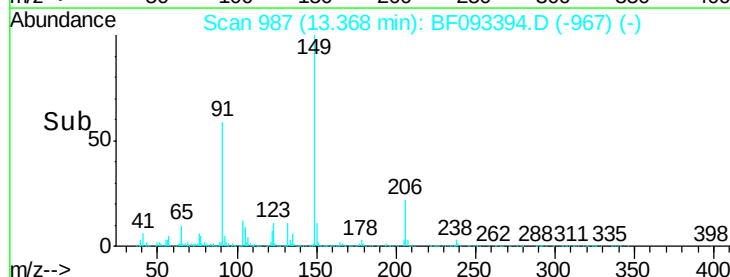
206 22.1 14.6 21.8#

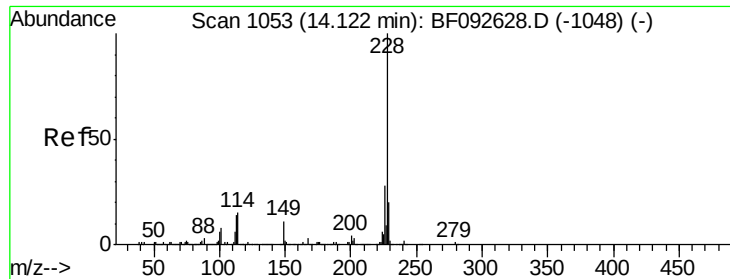


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 2.78 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.07 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

Instrument :

BNA_F

ClientSampleId :

35B-4

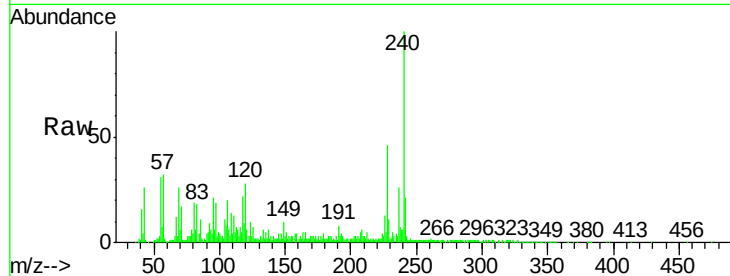
Tgt Ion:228 Resp: 60677

Ion Ratio Lower Upper

228 100

226 28.2 22.4 33.6

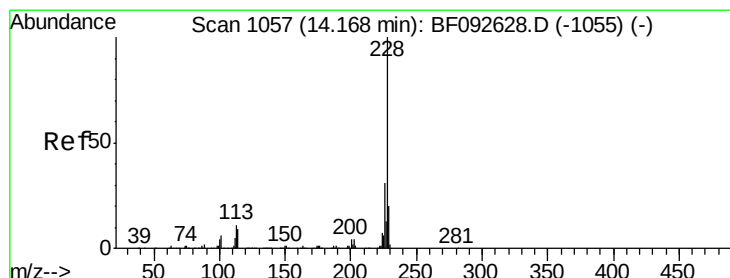
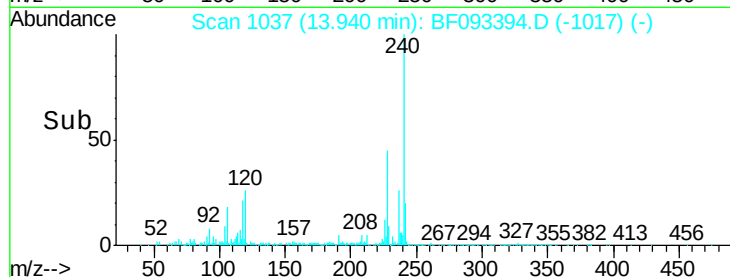
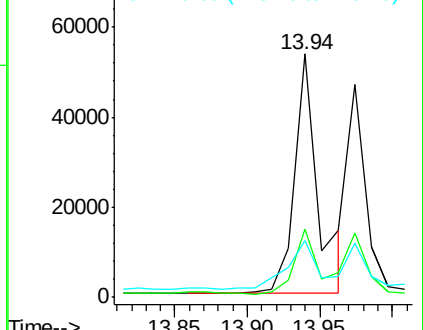
229 23.1 16.2 24.4



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: 2.97 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.10 min

Lab File: BF093394.D

Acq: 4 Mar 2017 9:22

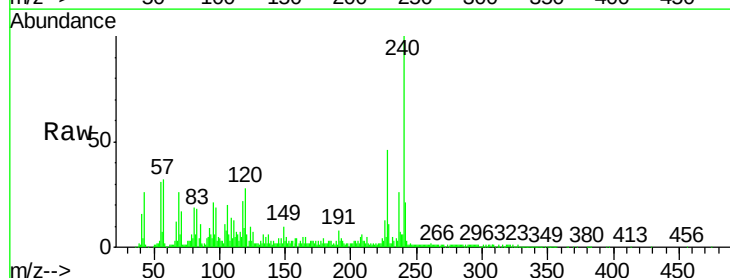
Tgt Ion:228 Resp: 60677

Ion Ratio Lower Upper

228 100

226 28.2 25.4 38.0

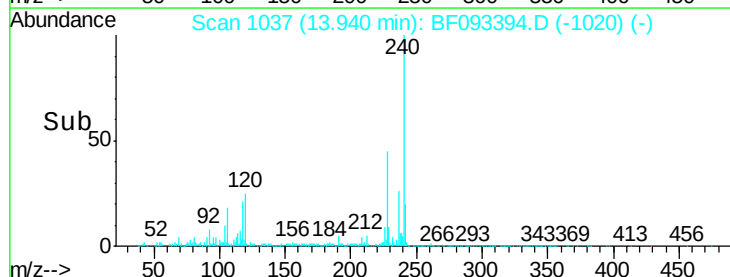
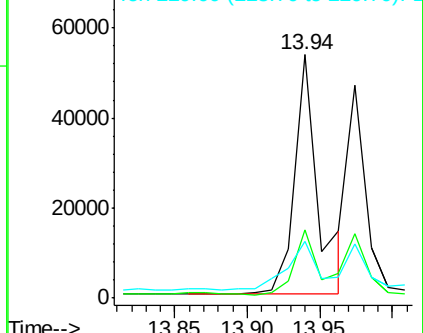
229 23.1 16.2 24.2

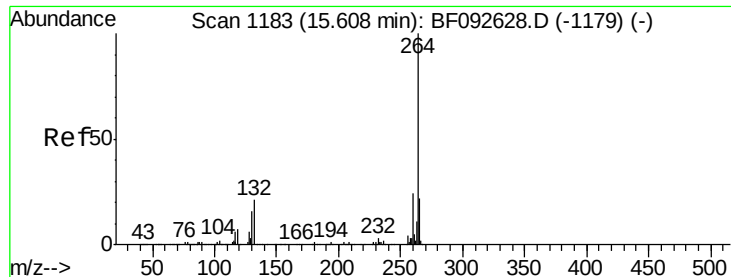


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

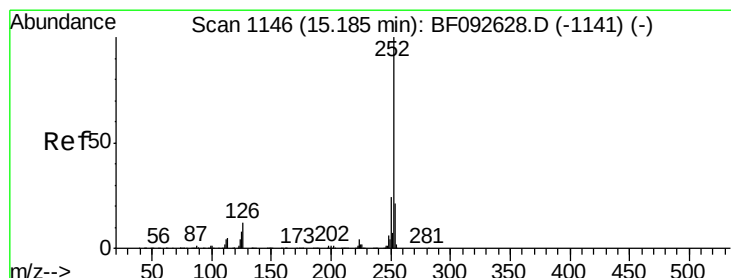
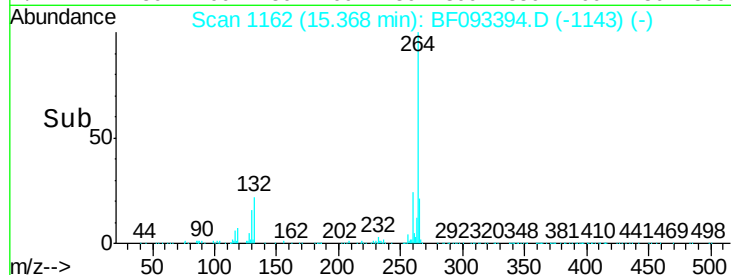
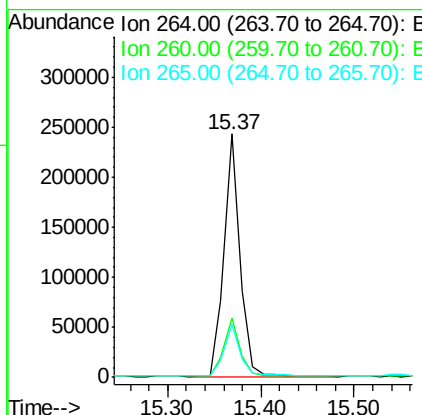
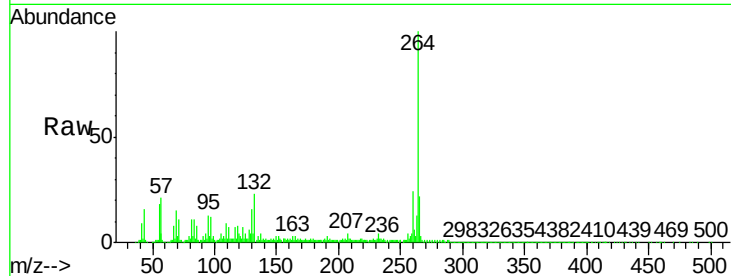




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1162
Delta R.T. -0.08 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

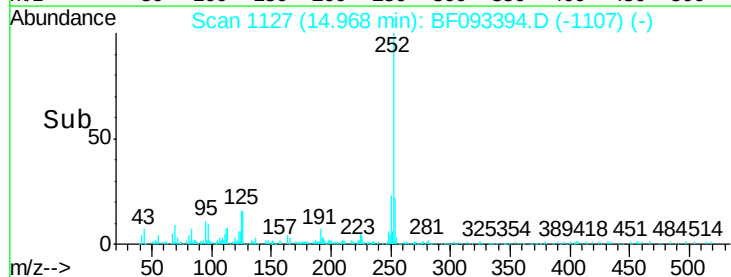
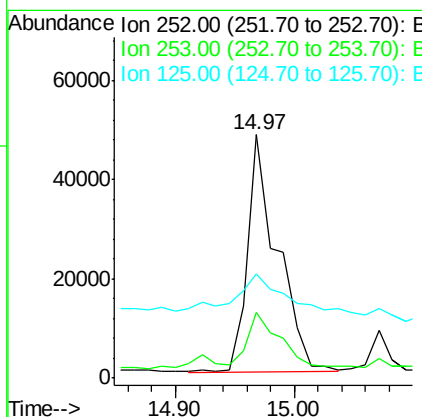
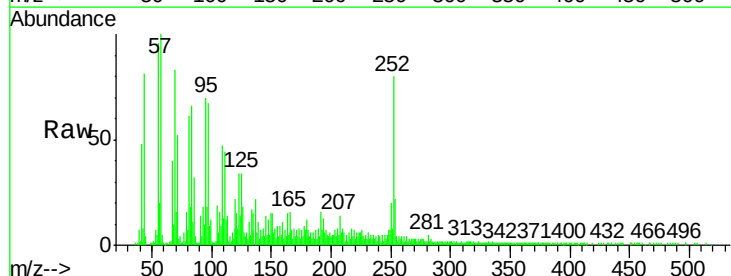
Instrument :
BNA_F
ClientSampleId :
35B-4

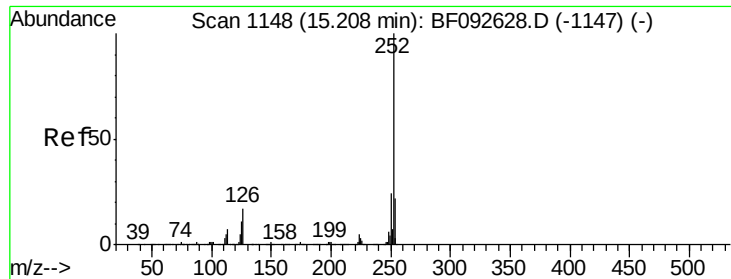
Tgt Ion:264 Resp: 289611
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 4.41 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.07 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Tgt Ion:252 Resp: 84104
Ion Ratio Lower Upper
252 100
253 27.1 18.2 27.4
125 42.7 9.8 14.6#

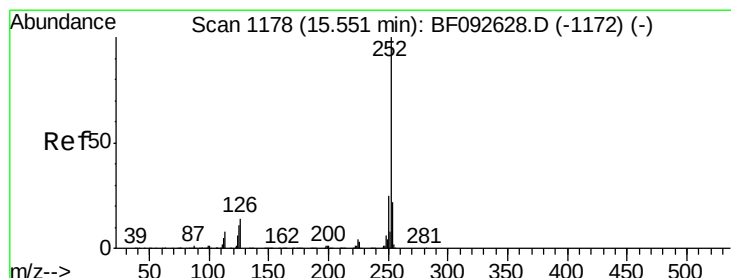
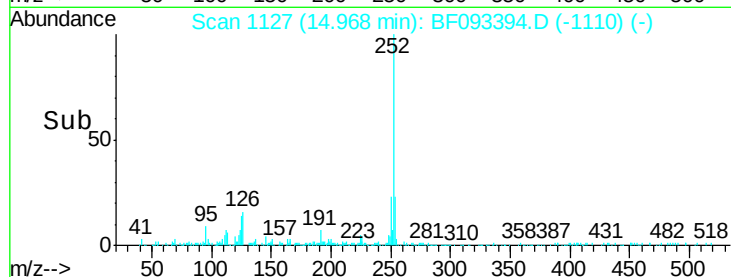
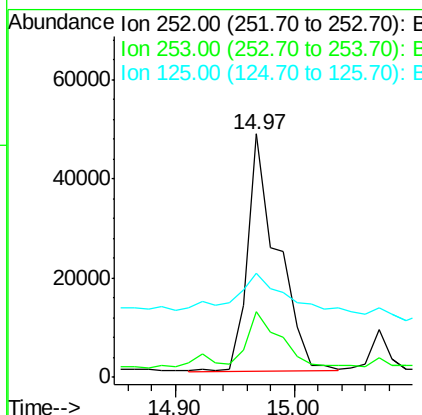
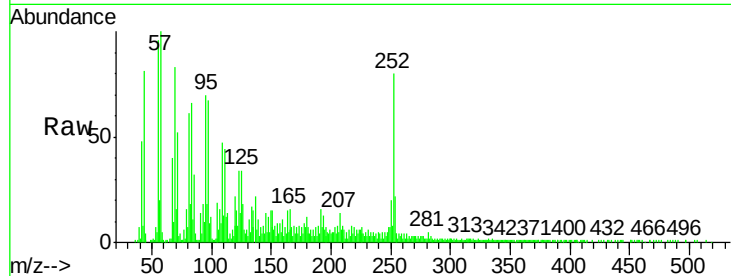




#88
Benzo(k)fluoranthene
Concen: 5.11 ng
RT: 14.97 min Scan# 1127
Delta R.T. -0.10 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Instrument :
BNA_F
ClientSampleId :
35B-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.5	27.7
125	42.7	8.9	13.3#



#89
Benzo(a)pyrene
Concen: 2.52 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.08 min
Lab File: BF093394.D
Acq: 4 Mar 2017 9:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.2	27.2#
125	48.3	10.0	15.0#

