

Data File : BF093121.D
Acq On : 23 Feb 2017 23:05
Operator : SJ/MA
Sample : I1954-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CLP-S-04(0-5)

Quant Time: Feb 23 23:51:30 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	6.84	152	162356	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	596943	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	269635	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	403960	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	304685	20.00	ng	-0.02
86) Perylene-d12	15.44	264	280407	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	998293	105.49	ng	-0.01
7) Phenol-d6	6.48	99	1058043	86.89	ng	-0.01
23) Nitrobenzene-d5	7.41	82	784461	73.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	189623	97.23	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1177923	79.14	ng	-0.01
78) Terphenyl-d14	12.95	244	724606	55.88	ng	-0.02

Target Compounds						Qvalue
10) Phenol	6.49	94	29390	2.06	ng	93
19) n-Nitroso-di-n-propylamine	7.41	70	106621	13.76	ng	# 75
25) Isophorone	7.41	82	773741	38.74	ng	# 65
37) 2-Methylnaphthalene	8.84	142	50451	2.60	ng	97
49) Dimethylphthalate	9.60	163	211963	11.67	ng	99
53) 2,4-Dinitrophenol	10.17	184	597	5.02	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.69	198	1990	3.43	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	13286	3.15	ng	# 1
70) Phenanthrene	11.38	178	59074	2.55	ng	97
71) Anthracene	11.38	178	59074	2.54	ng	98
80) Benzo(a)anthracene	13.99	228	58397	3.13	ng	# 75
82) Chrysene	13.99	228	58397	3.35	ng	# 81
87) Benzo(b)fluoranthene	15.03	252	39163	2.12	ng	# 1
88) Benzo(k)fluoranthene	15.03	252	39163	2.46	ng	# 1

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

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ClientSampleId :

CLP-S-04(0-5)

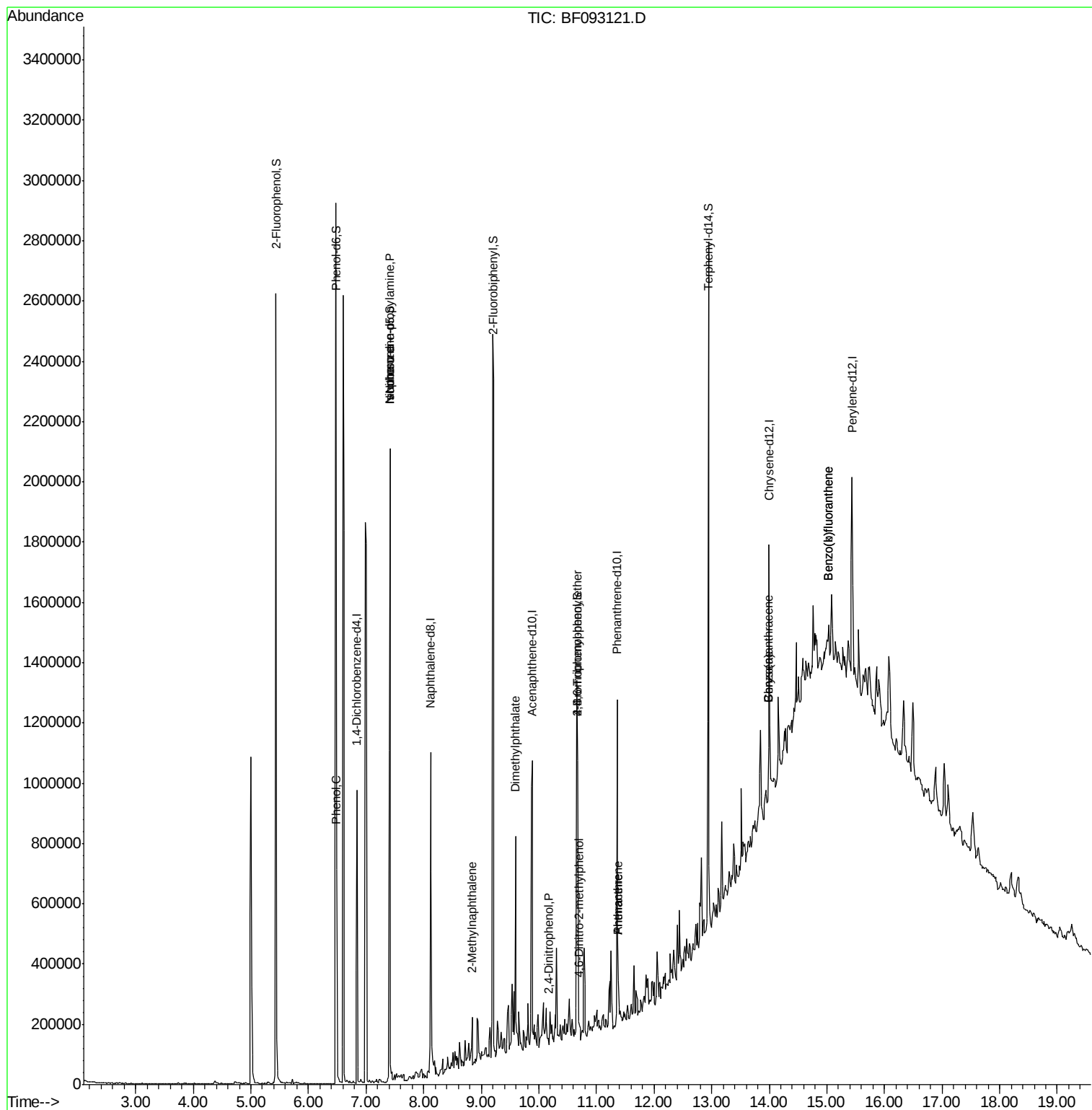
Quant Time: Feb 23 23:51:30 2017

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

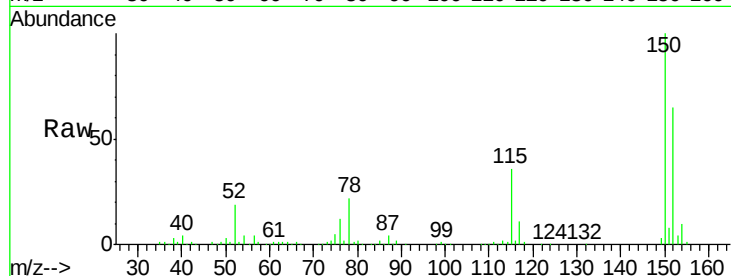
Tgt Ion:152 Resp: 162356

Ion Ratio Lower Upper

152 100

150 154.6 124.9 187.3

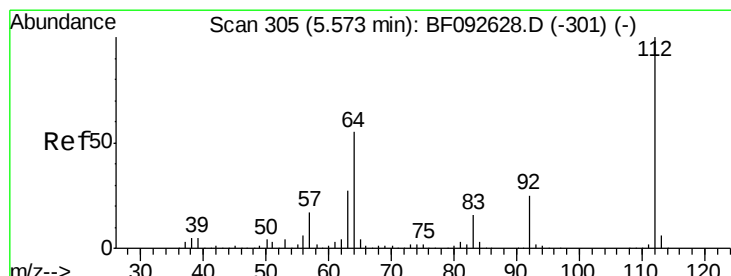
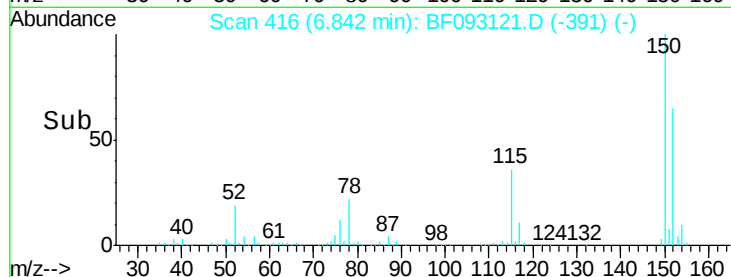
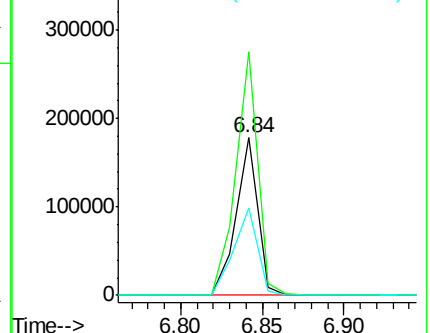
115 55.8 46.0 69.0



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: 105.49 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

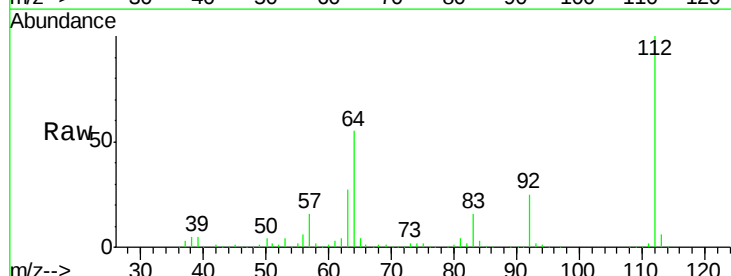
Tgt Ion:112 Resp: 998293

Ion Ratio Lower Upper

112 100

64 55.4 46.1 69.1

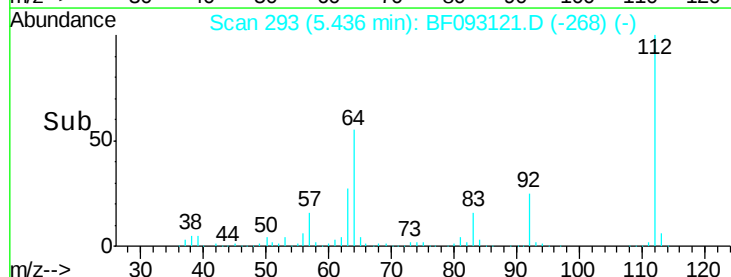
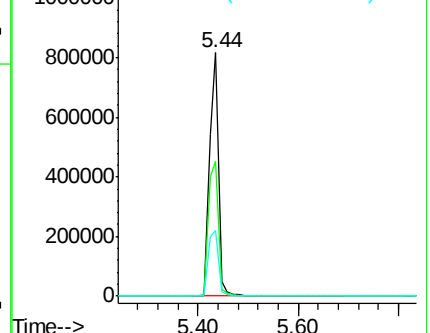
63 27.0 23.8 35.6



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: 86.89 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

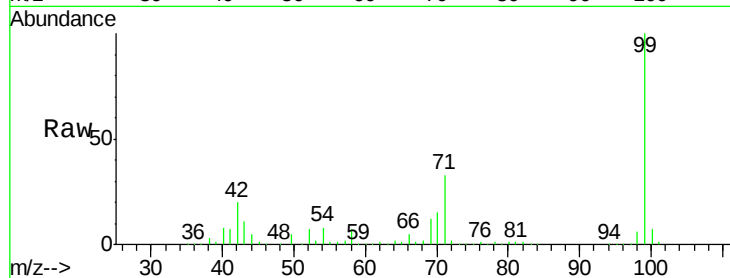
Tgt Ion: 99 Resp: 1058043

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

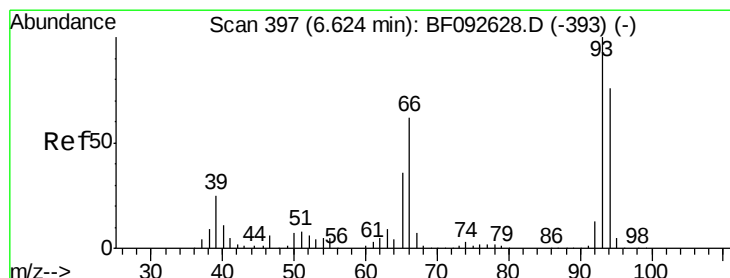
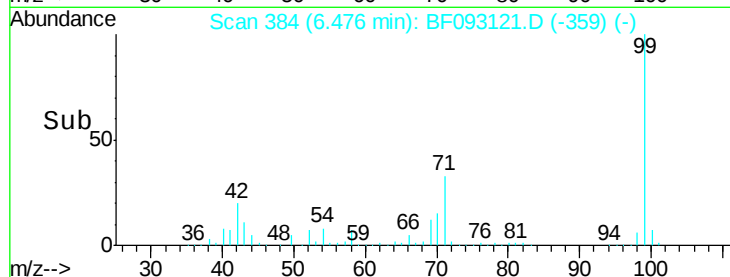
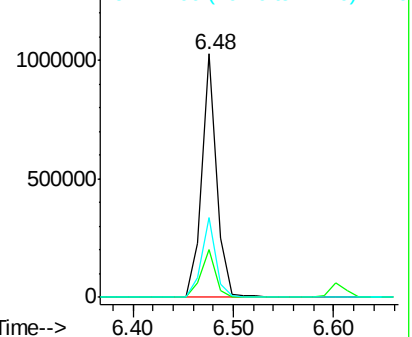
71 32.7 27.5 41.3



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



#10

Phenol

Concen: 2.06 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

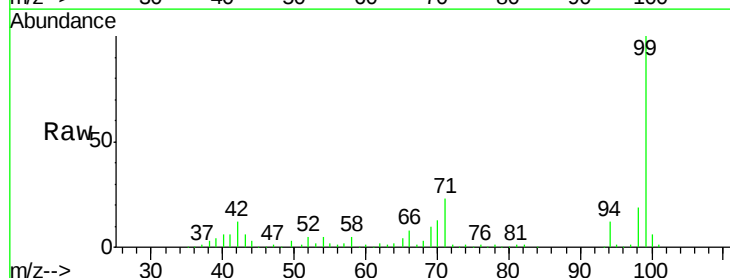
Tgt Ion: 94 Resp: 29390

Ion Ratio Lower Upper

94 100

65 35.0 21.4 61.4

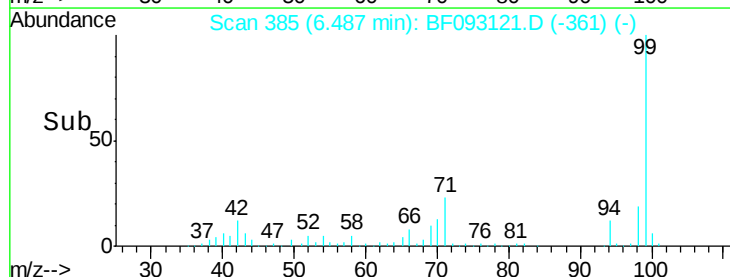
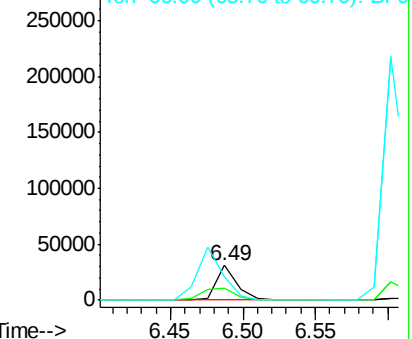
66 68.0 44.0 84.0

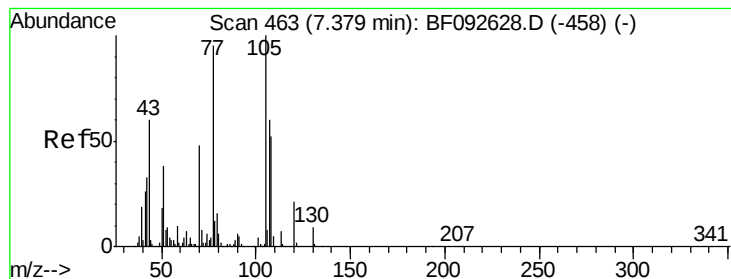


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 13.76 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

Tgt Ion: 70 Resp: 106621

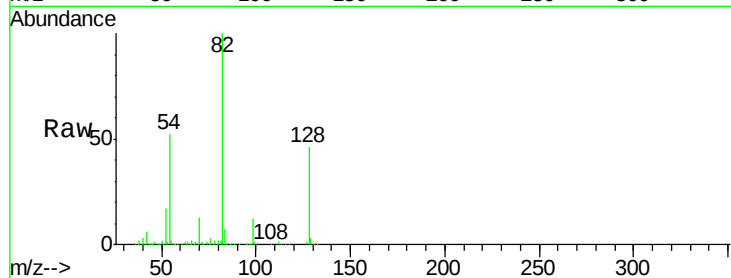
Ion Ratio Lower Upper

70 100

42 44.6 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

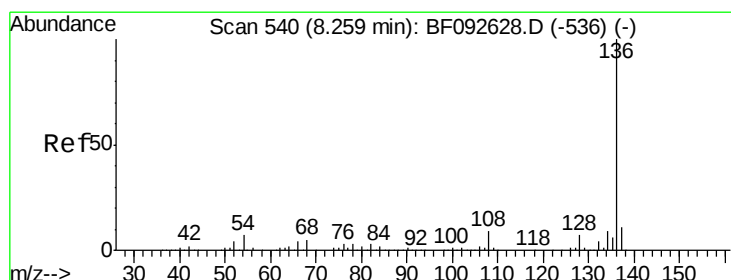
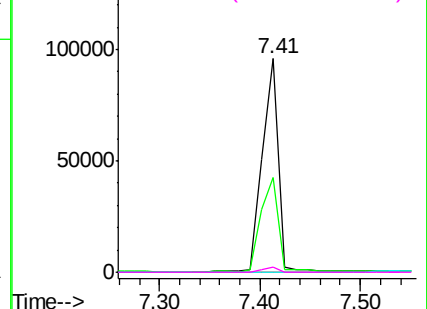
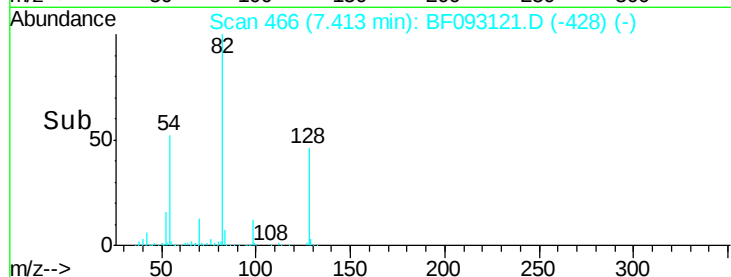


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Tgt Ion: 136 Resp: 596943

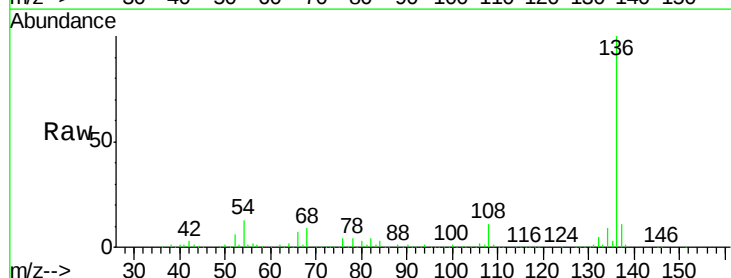
Ion Ratio Lower Upper

136 100

137 11.3 8.4 12.6

54 12.7 4.5 6.7#

68 8.9 3.6 5.4#

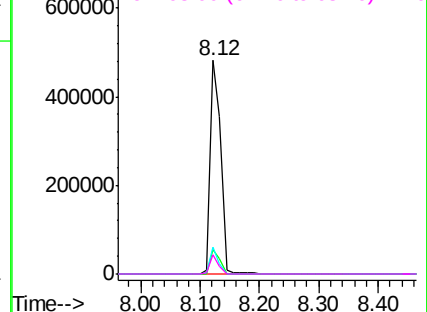
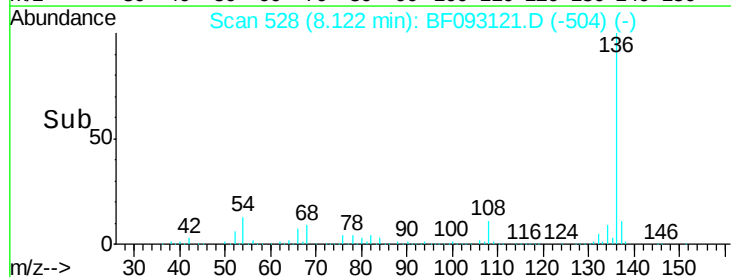


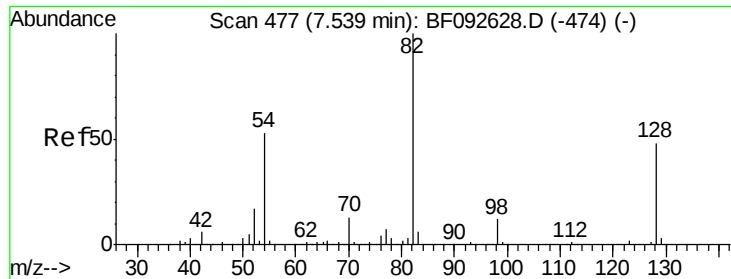
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

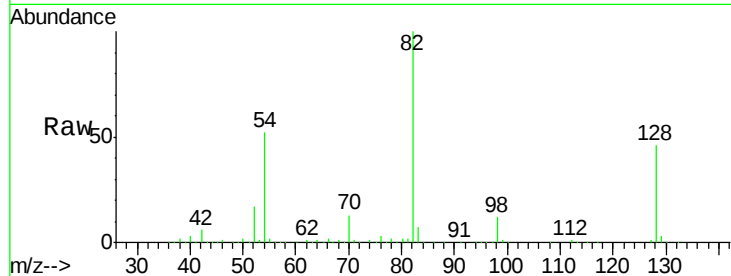




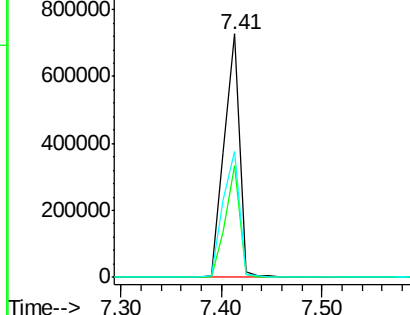
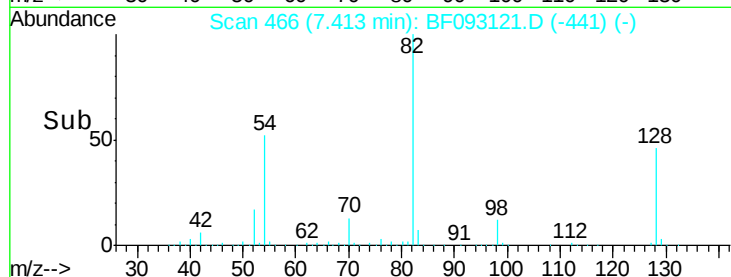
#23
 Nitrobenzene-d5
 Concen: 73.18 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-04(0-5)

Tgt Ion: 82 Resp: 784461
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.6 52.0
 54 51.8 39.5 59.3

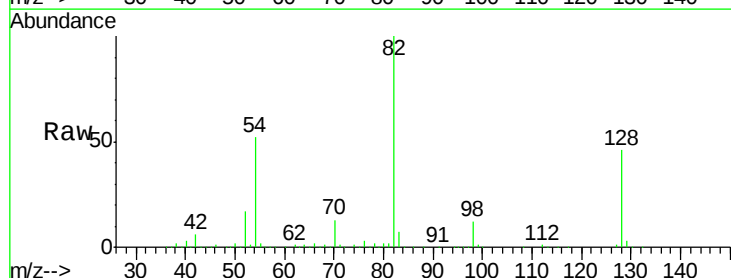


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

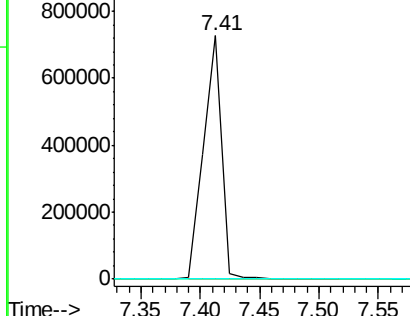
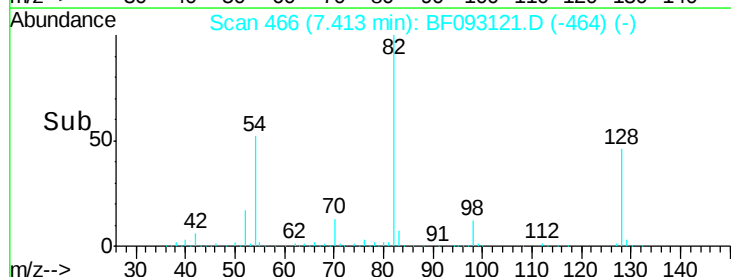


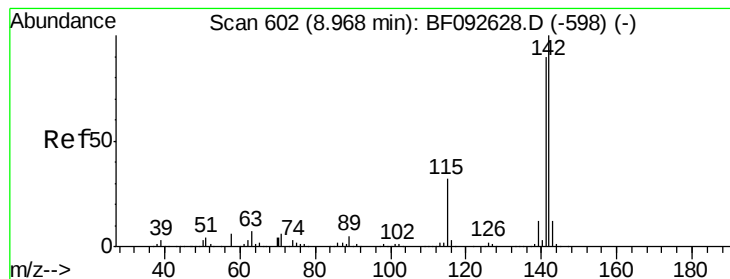
#25
 Isophorone
 Concen: 38.74 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.27 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Tgt Ion: 82 Resp: 773741
 Ion Ratio Lower Upper
 82 100
 95 0.1 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





#37

2-Methylnaphthalene

Concen: 2.60 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

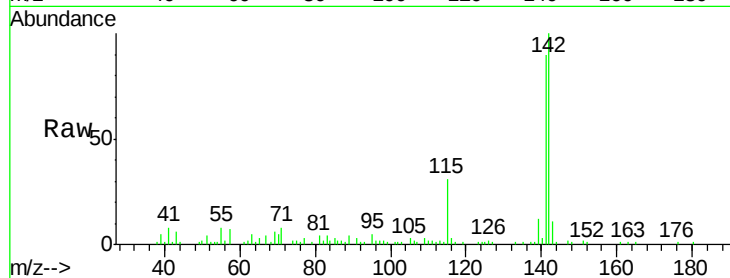
Tgt Ion:142 Resp: 50451

Ion Ratio Lower Upper

142 100

141 89.9 71.0 106.6

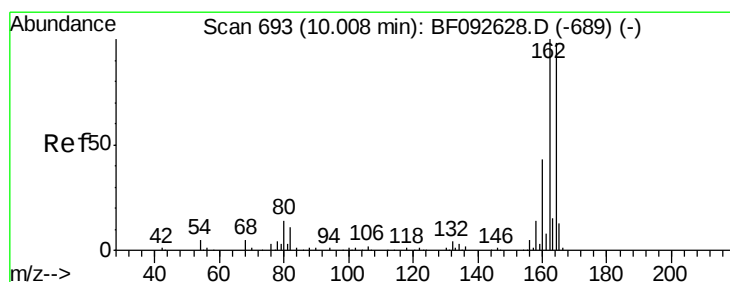
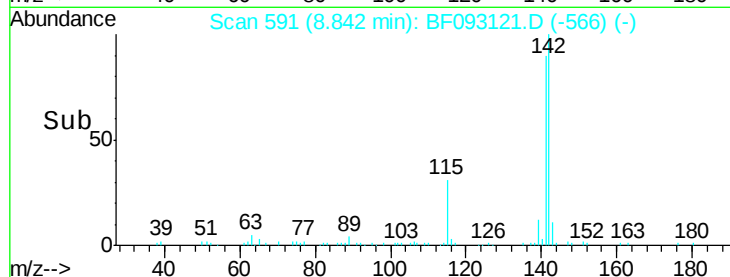
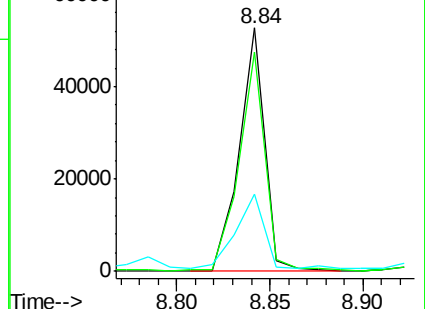
115 31.5 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

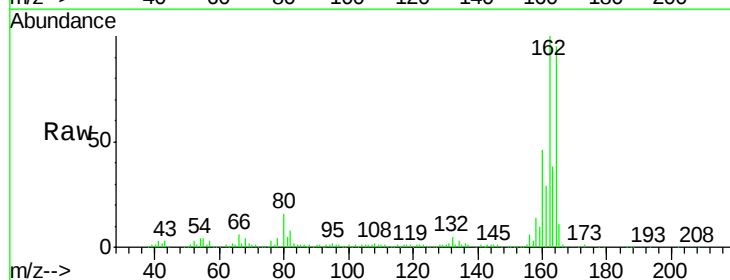
Tgt Ion:164 Resp: 269635

Ion Ratio Lower Upper

164 100

162 104.8 80.2 120.2

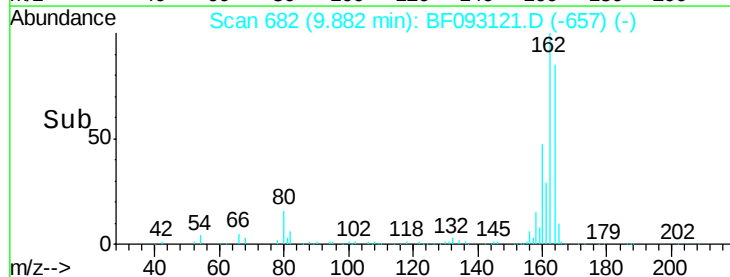
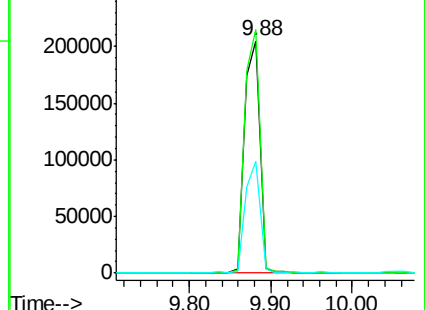
160 48.4 36.9 55.3

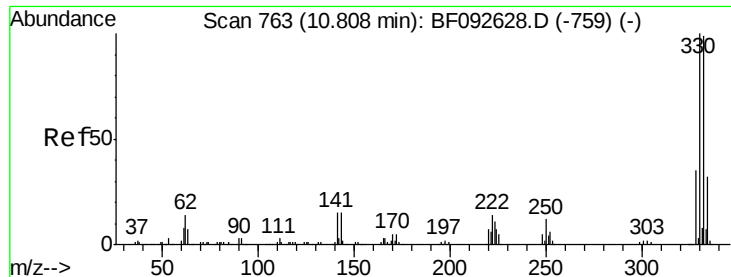


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

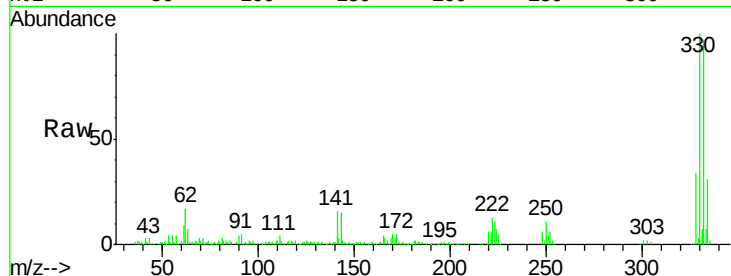




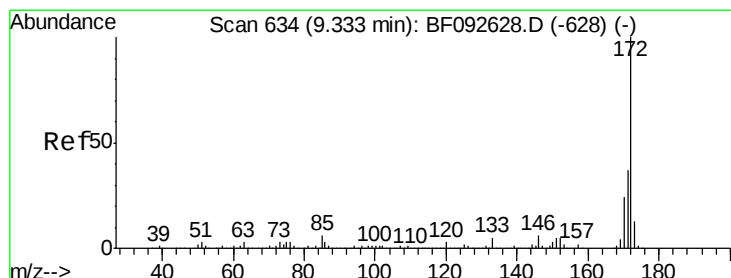
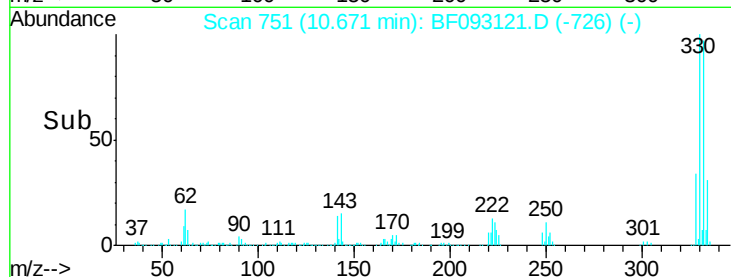
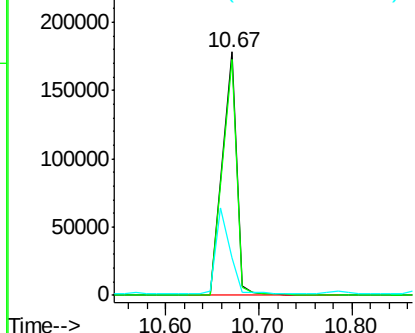
#41
 2,4,6-Tribromophenol
 Concen: 97.23 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-04(0-5)

Tgt Ion:330 Resp: 189623
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.4 116.2
 141 36.2 34.1 51.1

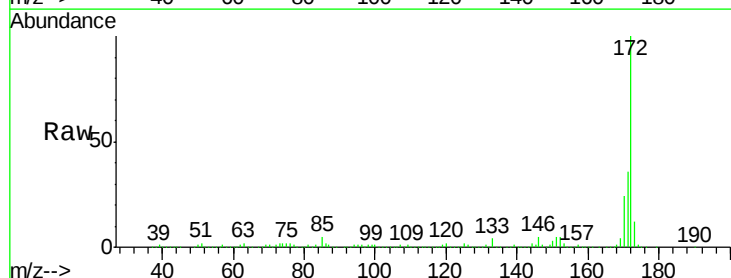


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

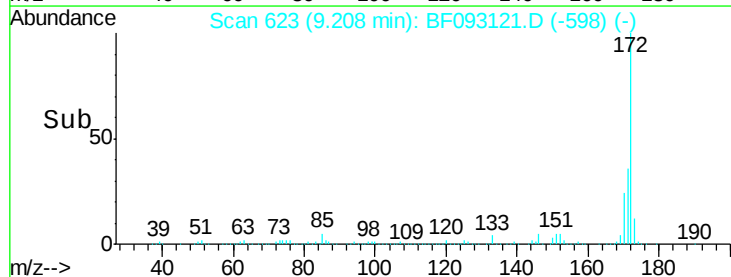
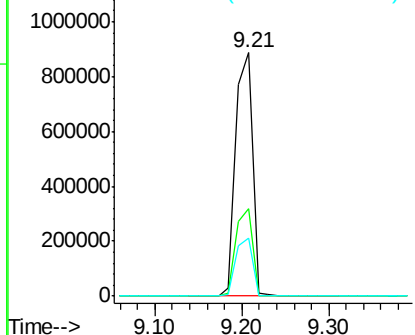


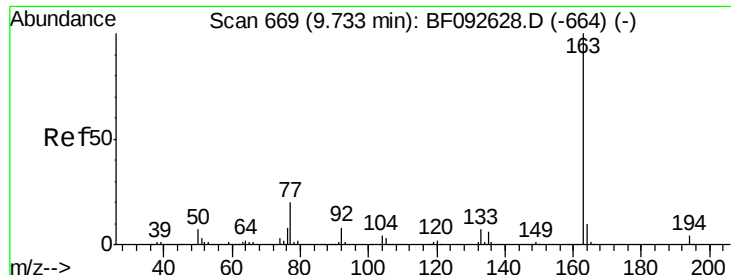
#44
 2-Fluorobiphenyl
 Concen: 79.14 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Tgt Ion:172 Resp: 1177923
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 23.6 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: 11.67 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

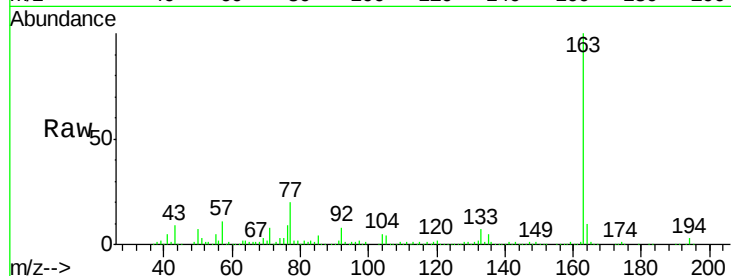
Tgt Ion:163 Resp: 211963

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

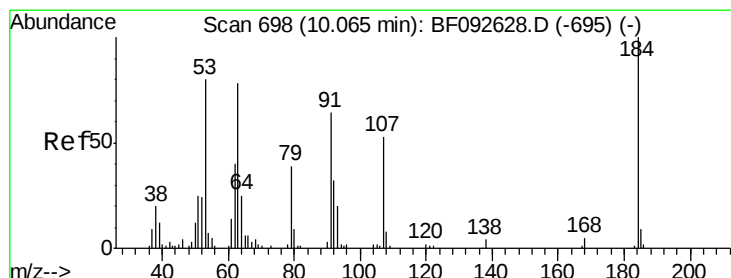
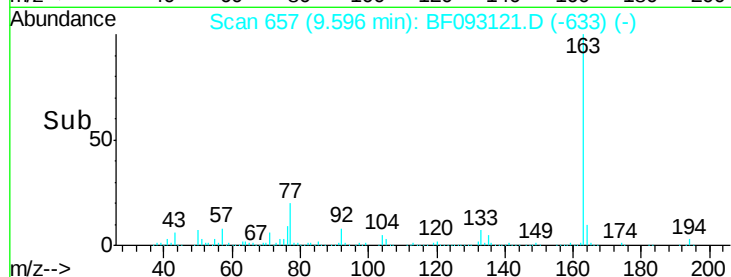
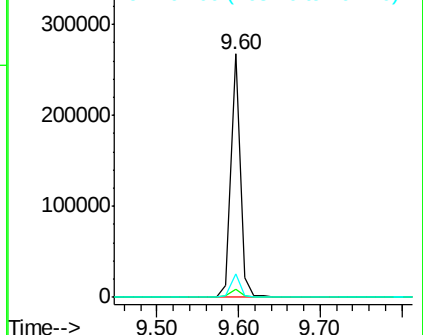
164 9.8 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 5.02 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.21 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

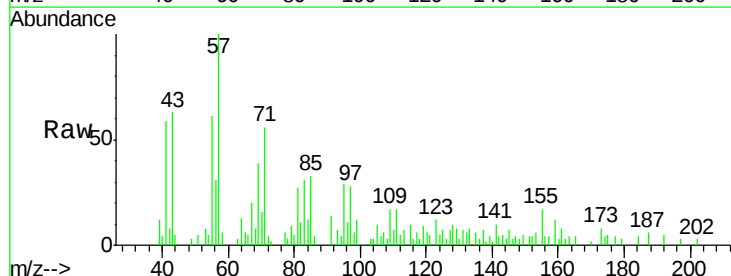
Tgt Ion:184 Resp: 597

Ion Ratio Lower Upper

184 100

63 69.8 28.4 42.6#

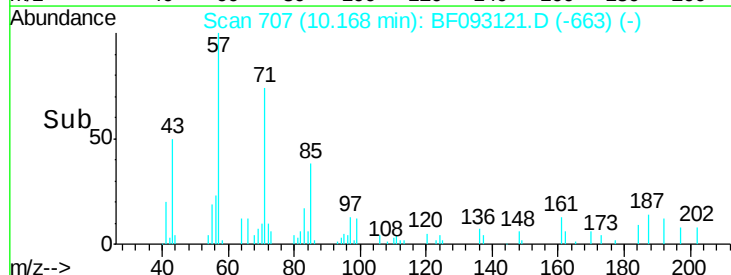
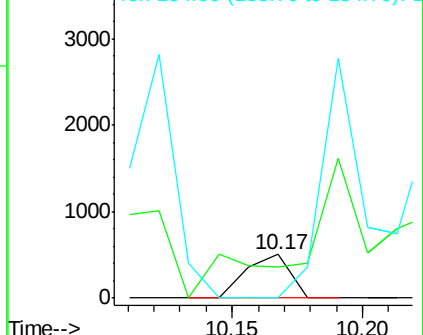
154 0.0 44.3 66.5#

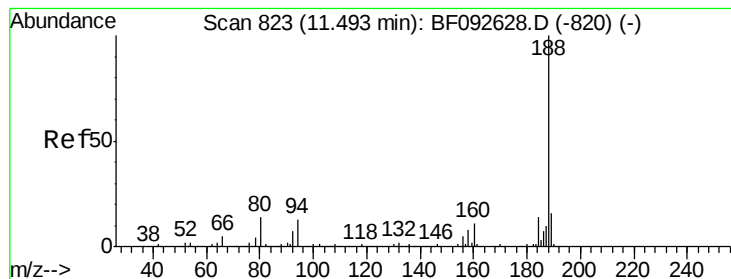


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

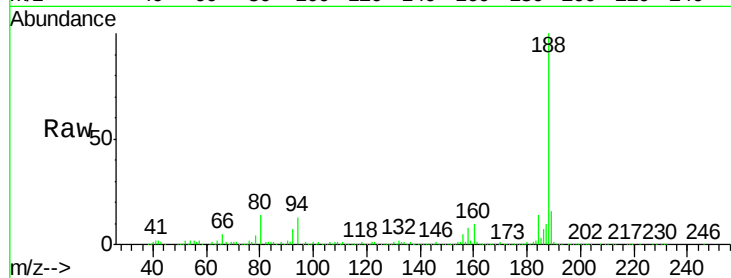
Tgt Ion:188 Resp: 403960

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

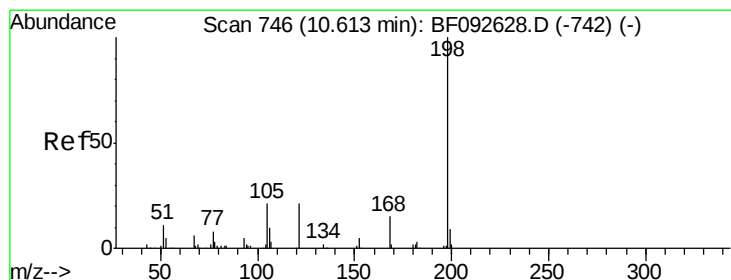
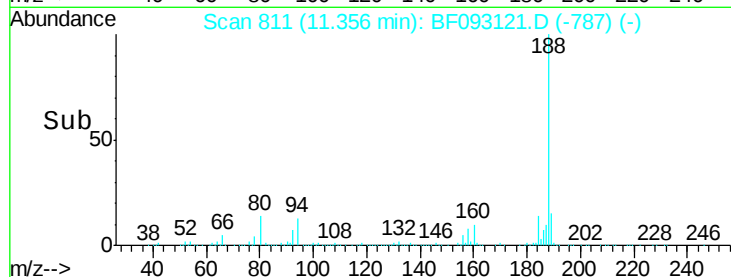
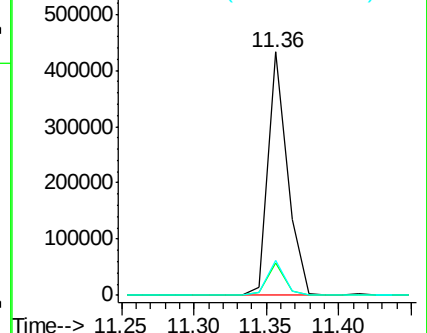
80 14.3 11.2 16.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 3.43 ng

RT: 10.69 min Scan# 753

Delta R.T. 0.19 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

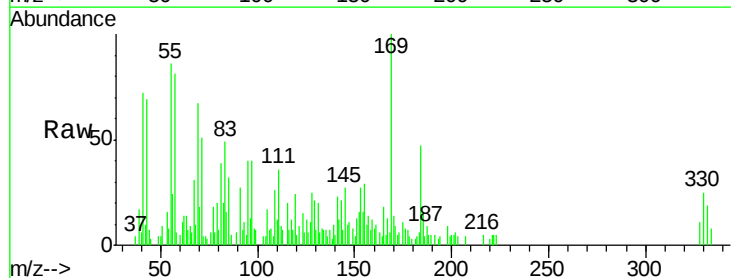
Tgt Ion:198 Resp: 1990

Ion Ratio Lower Upper

198 100

51 98.3 6.7 46.7#

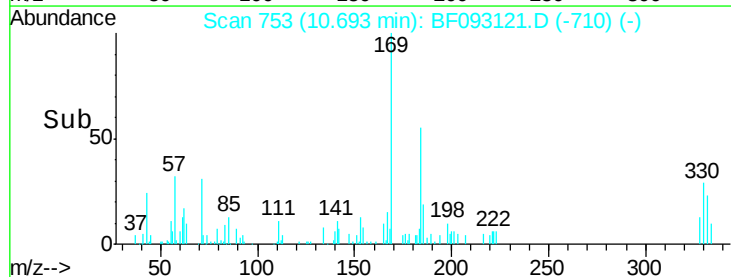
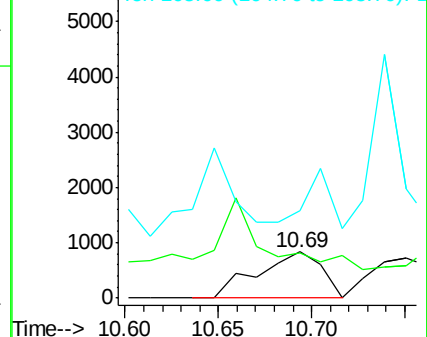
105 190.0 16.6 56.6#

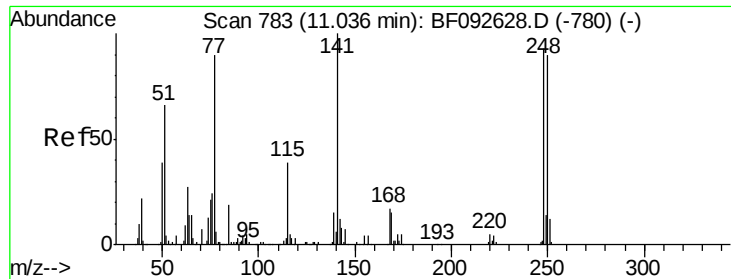


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

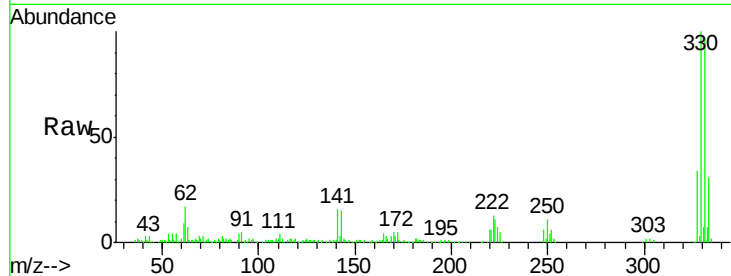




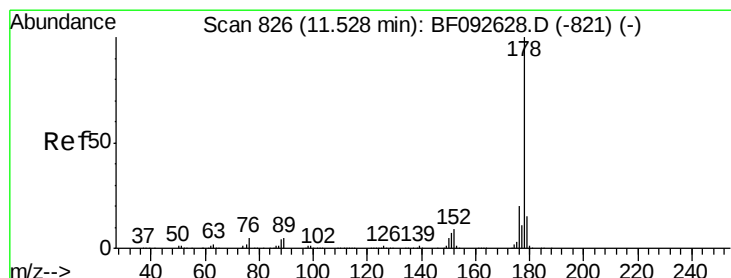
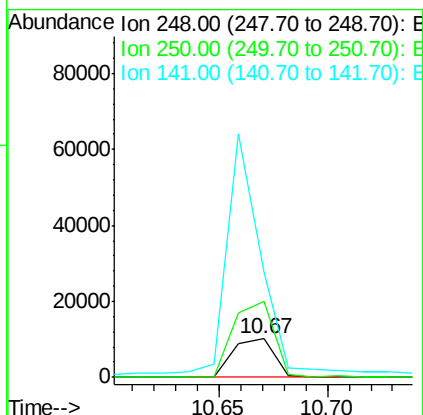
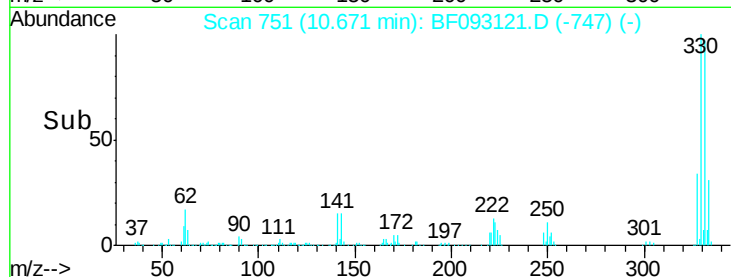
#66
 4-Bromophenyl-phenylether
 Concen: 3.15 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-04(0-5)

Tgt Ion:248 Resp: 13286
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 274.9 68.2 102.4#

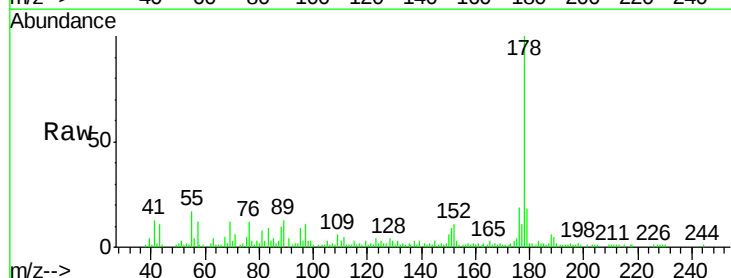


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

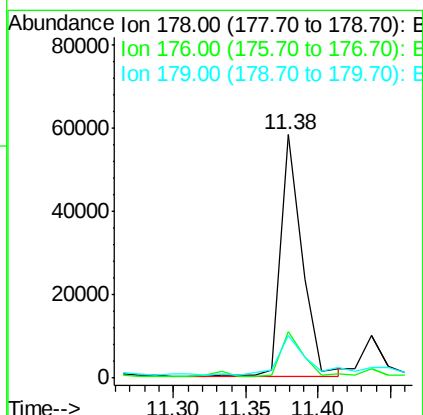
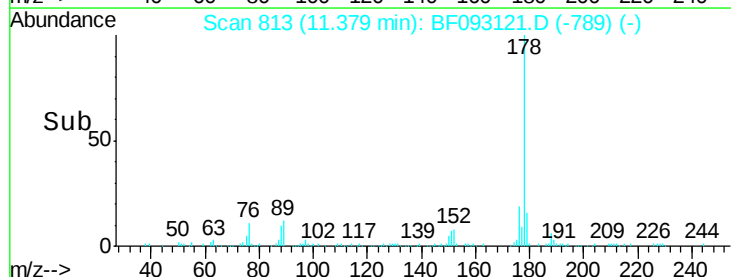


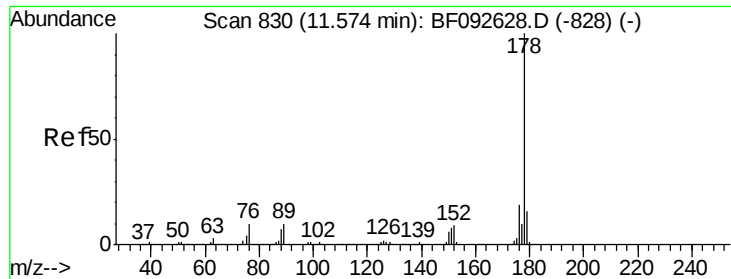
#70
 Phenanthrene
 Concen: 2.55 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Tgt Ion:178 Resp: 59074
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.6 25.0
 179 17.6 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

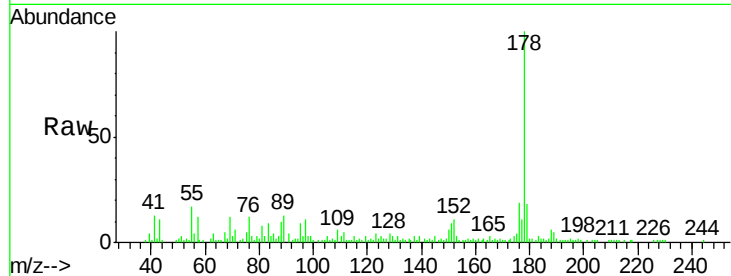




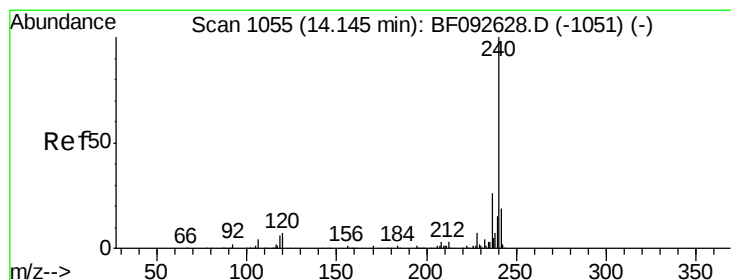
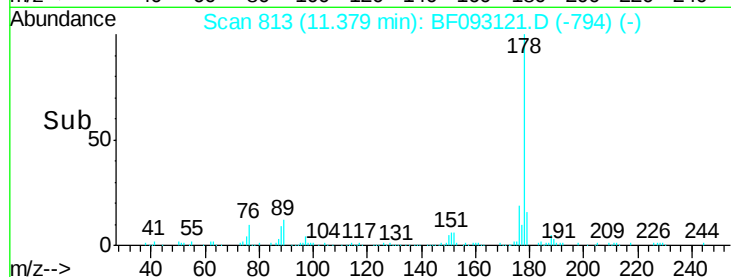
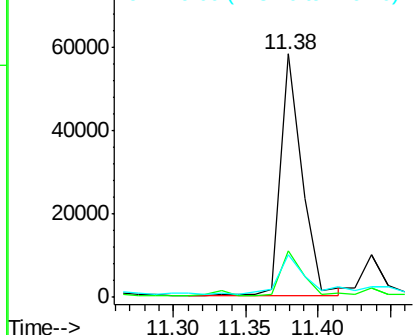
#71
 Anthracene
 Concen: 2.54 ng
 RT: 11.38 min Scan# 813
 Delta R.T. -0.08 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Instrument :
 BNA_F
 ClientSampleId :
 CLP-S-04(0-5)

Tgt Ion:178 Resp: 59074
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.9 23.9
 179 17.6 13.2 19.8

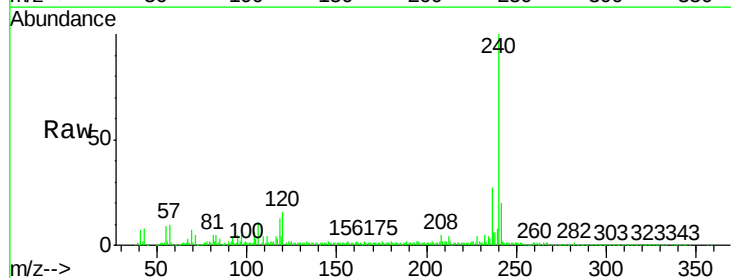


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

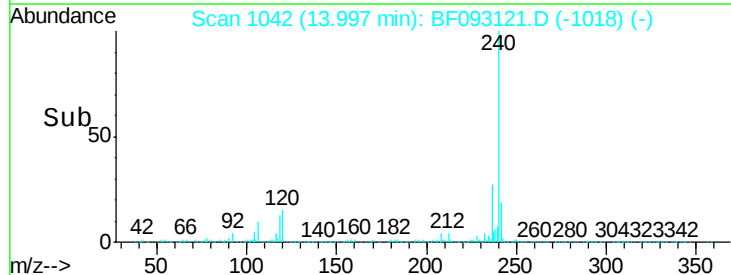
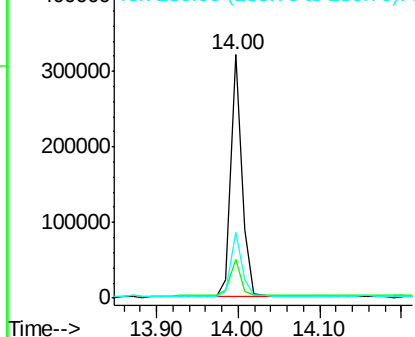


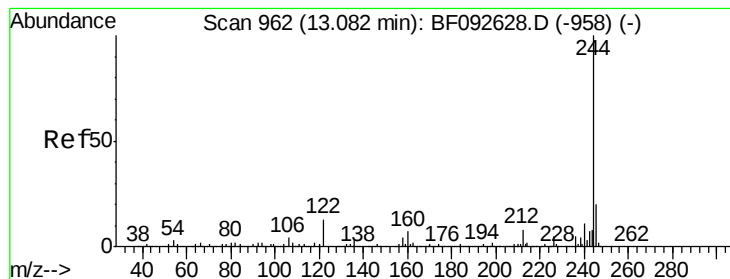
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BF093121.D
 Acq: 23 Feb 2017 23:05

Tgt Ion:240 Resp: 304685
 Ion Ratio Lower Upper
 240 100
 120 16.2 12.9 19.3
 236 27.1 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





#78

Terphenyl-d14

Concen: 55.88 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

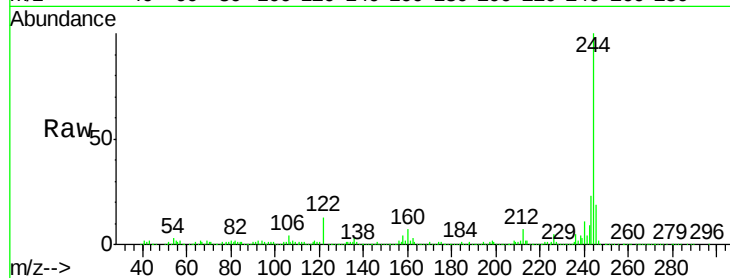
Tgt Ion:244 Resp: 724606

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

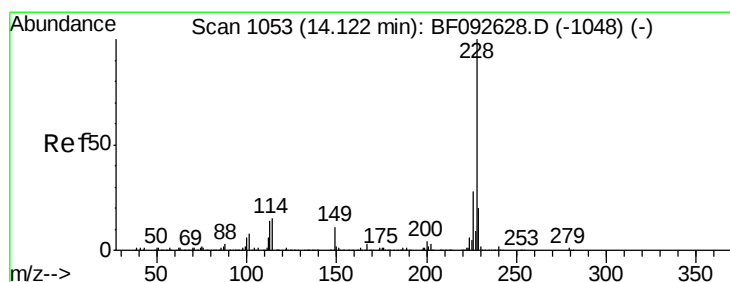
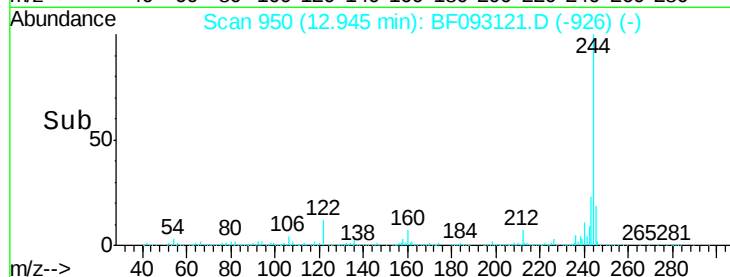
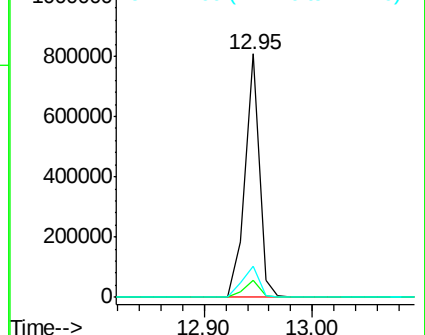
122 12.5 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 3.13 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.02 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

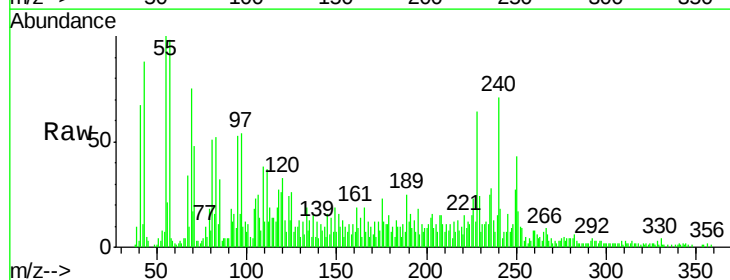
Tgt Ion:228 Resp: 58397

Ion Ratio Lower Upper

228 100

226 35.4 22.4 33.6#

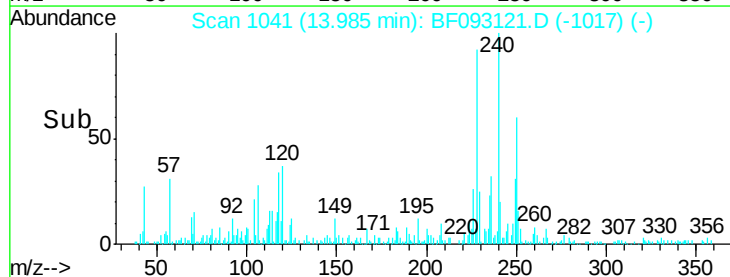
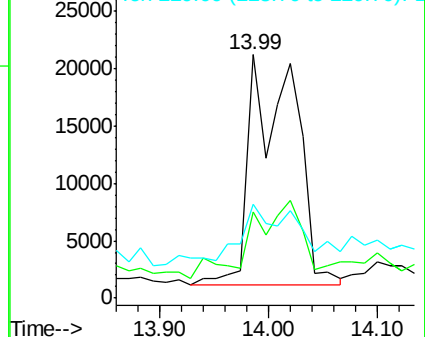
229 38.3 16.2 24.4#

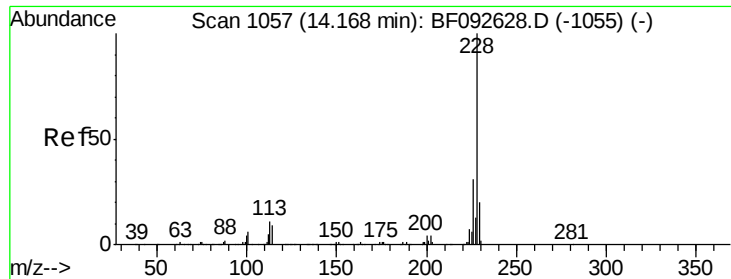


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.35 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.06 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

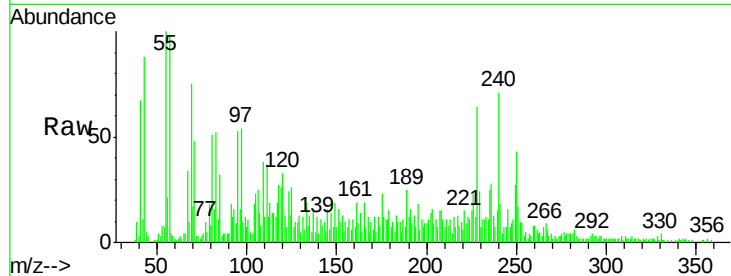
Tgt Ion:228 Resp: 58397

Ion Ratio Lower Upper

228 100

226 35.4 25.4 38.0

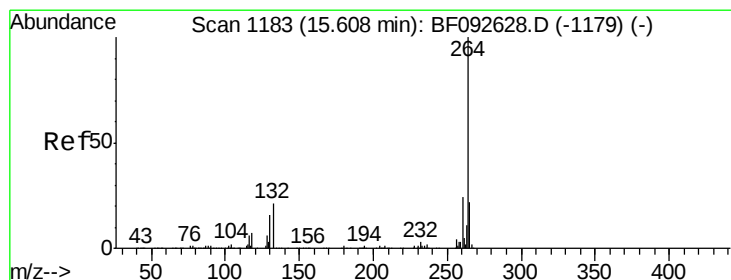
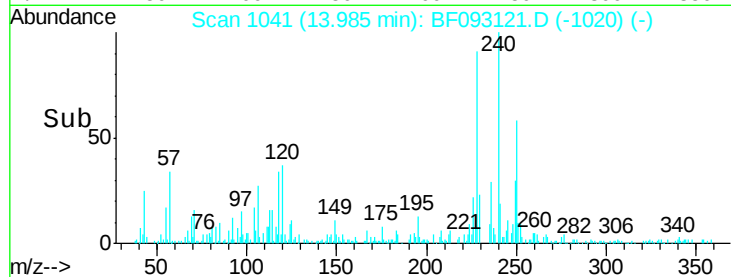
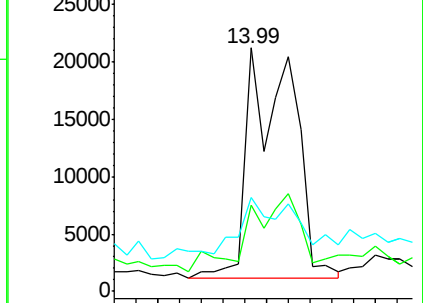
229 38.3 16.2 24.2#



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: 15.44 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

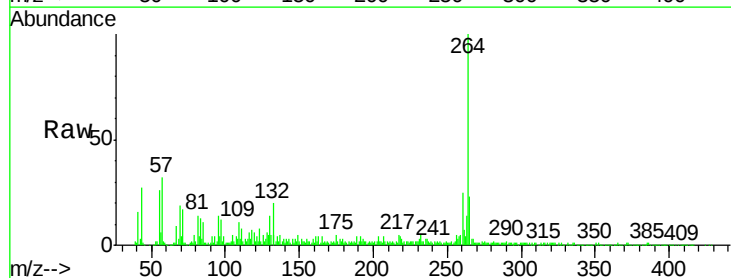
Tgt Ion:264 Resp: 280407

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

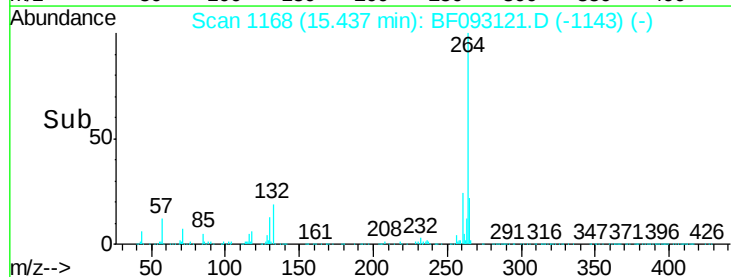
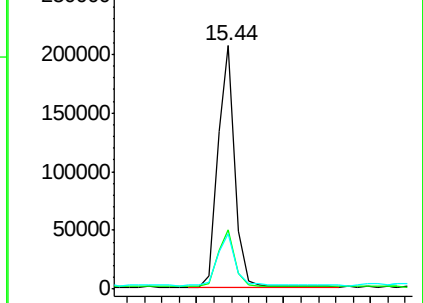
265 22.8 17.4 26.0

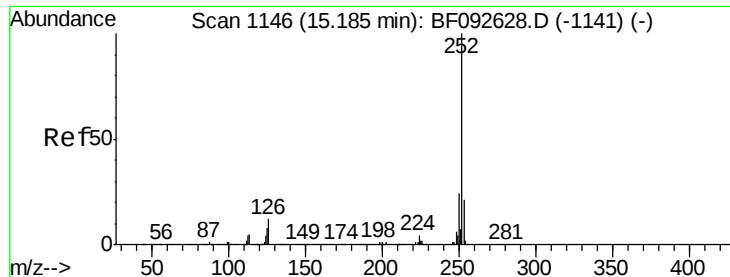


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.12 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

Instrument :

BNA_F

ClientSampleId :

CLP-S-04(0-5)

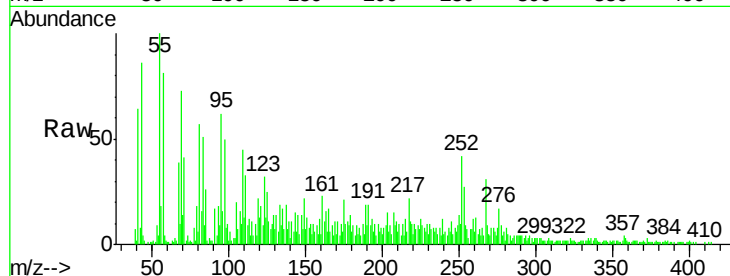
Tgt Ion:252 Resp: 39163

Ion Ratio Lower Upper

252 100

253 64.0 18.2 27.4#

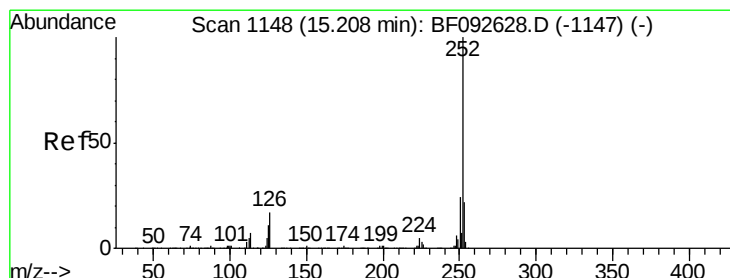
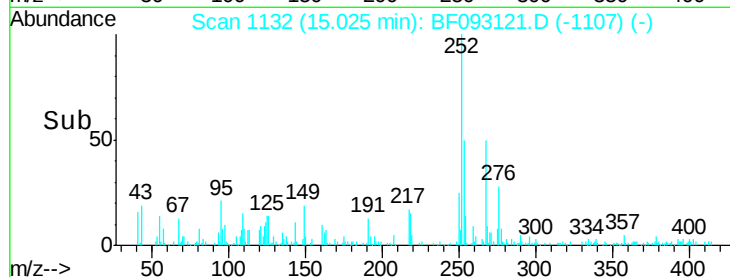
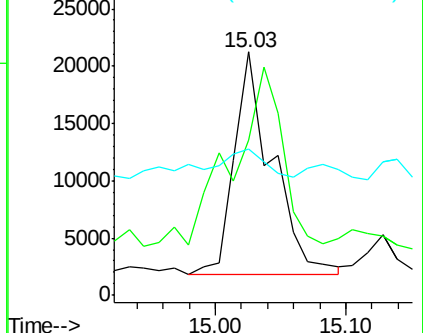
125 60.3 9.8 14.6#



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: 2.46 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.05 min

Lab File: BF093121.D

Acq: 23 Feb 2017 23:05

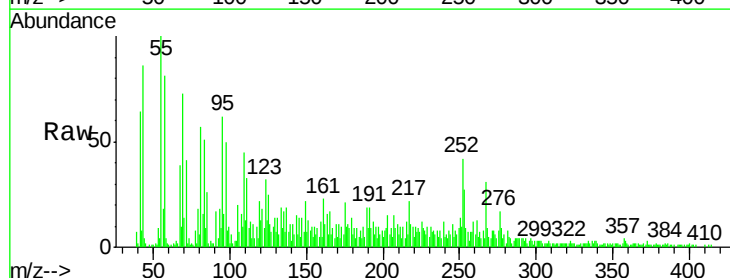
Tgt Ion:252 Resp: 39163

Ion Ratio Lower Upper

252 100

253 64.0 18.5 27.7#

125 60.3 8.9 13.3#



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

