

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041317\
 Data File : BF094424.D
 Acq On : 14 Apr 2017 11:00
 Operator : SJ/MA
 Sample : I2672-07 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

Quant Time: Apr 14 11:21:20 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

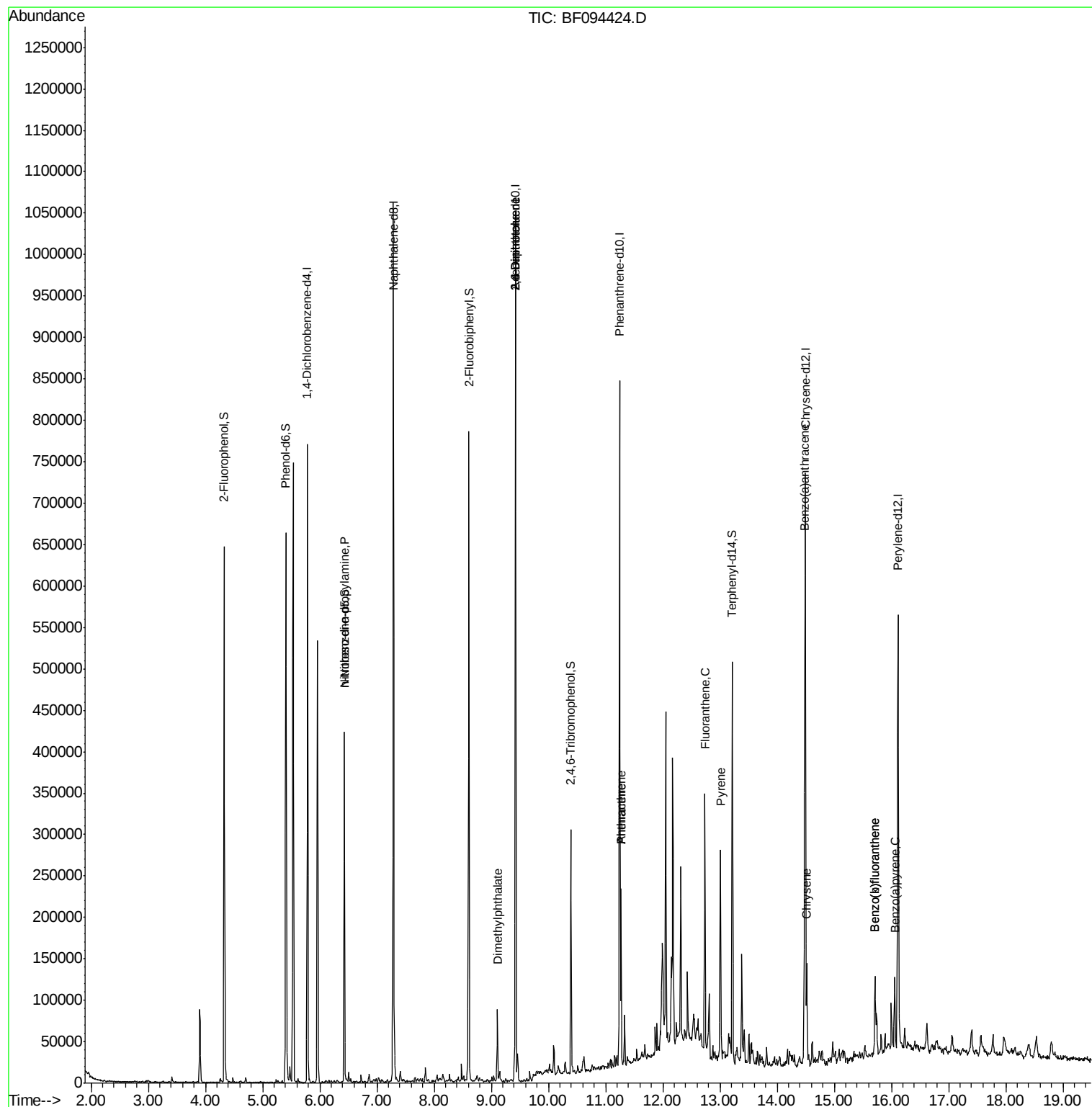
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	134111	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	517606	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	216671	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	328629	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	255550	20.00	ng	-0.06
86) Perylene-d12	16.12	264	196062	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	187447	23.61	ng	-0.05
7) Phenol-d6	5.40	99	232073	23.63	ng	-0.06
23) Nitrobenzene-d5	6.43	82	133747	14.75	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	31647	18.48	ng	-0.05
44) 2-Fluorobiphenyl	8.60	172	251500	17.70	ng	-0.05
78) Terphenyl-d14	13.22	244	149943	13.15	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.43	70	16994	2.69	ng	# 76
49) Dimethylphthalate	9.10	163	38135	2.48	ng	# 99
50) 2,6-Dinitrotoluene	9.42	165	27355	7.75	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	27355	6.17	ng	# 33
70) Phenanthrene	11.27	178	85440	4.67	ng	98
71) Anthracene	11.27	178	85440	4.54	ng	98
74) Fluoranthene	12.73	202	127977	6.84	ng	99
77) Pyrene	13.01	202	108382	5.84	ng	97
80) Benzo(a)anthracene	14.48	228	51410	3.45	ng	97
82) Chrysene	14.52	228	46900	3.39	ng	96
87) Benzo(b)fluoranthene	15.72	252	65989	5.49	ng	# 94
88) Benzo(k)fluoranthene	15.72	252	65989	5.61	ng	97
89) Benzo(a)pyrene	16.06	252	33963	3.07	ng	99

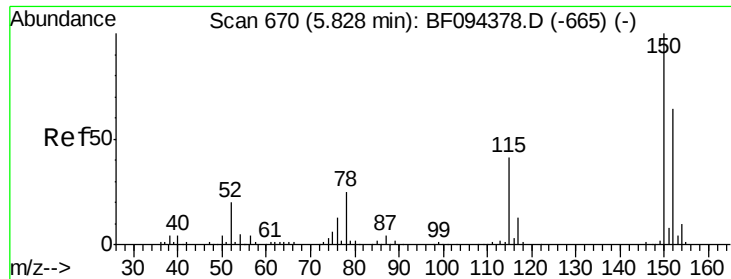
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.79 min Scan# 663

Delta R.T. -0.04 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

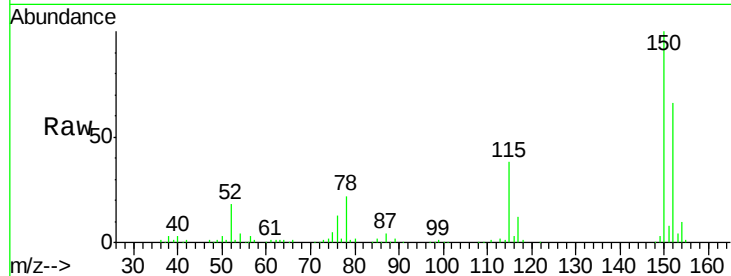
Tgt Ion:152 Resp: 134111

Ion Ratio Lower Upper

152 100

150 152.1 126.2 189.2

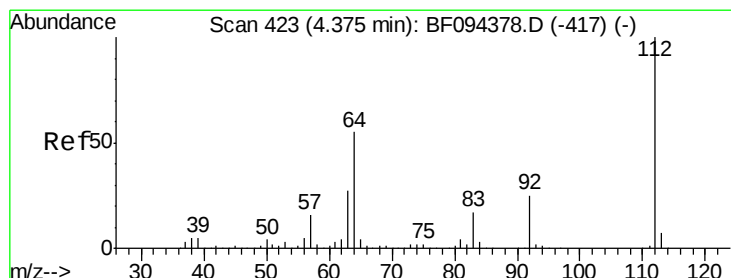
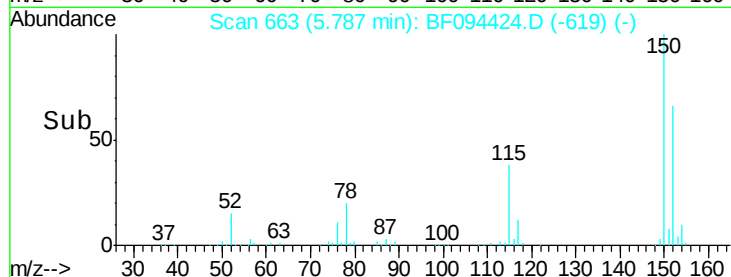
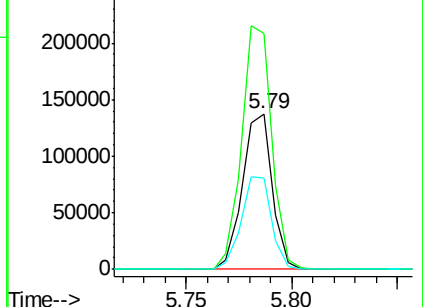
115 58.4 52.2 78.2



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: 23.61 ng

RT: 4.33 min Scan# 415

Delta R.T. -0.05 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

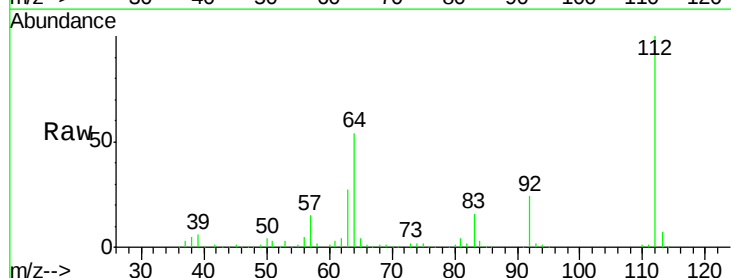
Tgt Ion:112 Resp: 187447

Ion Ratio Lower Upper

112 100

64 54.4 46.0 69.0

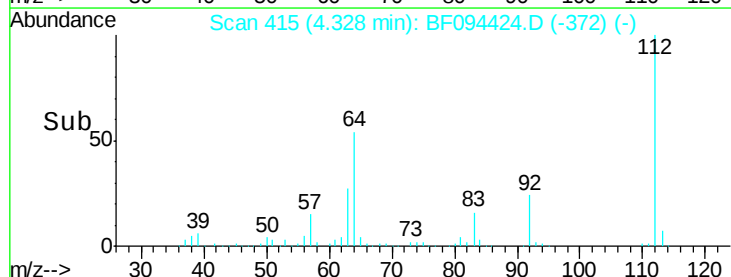
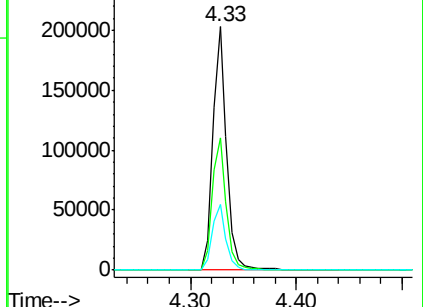
63 26.8 23.4 35.0

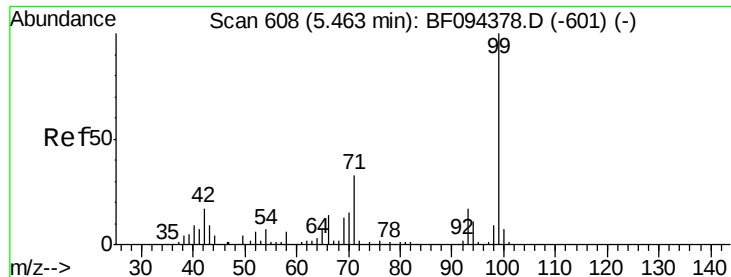


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.63 ng

RT: 5.40 min Scan# 598

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

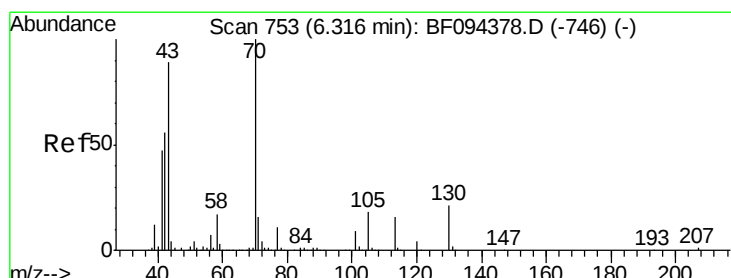
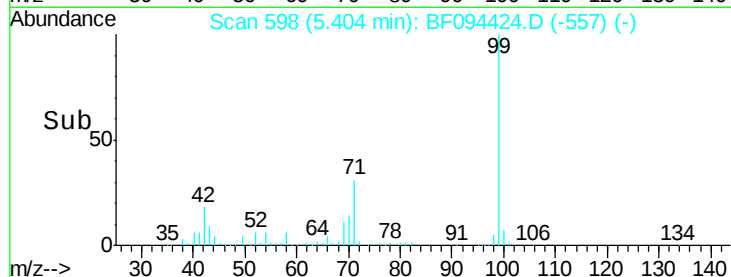
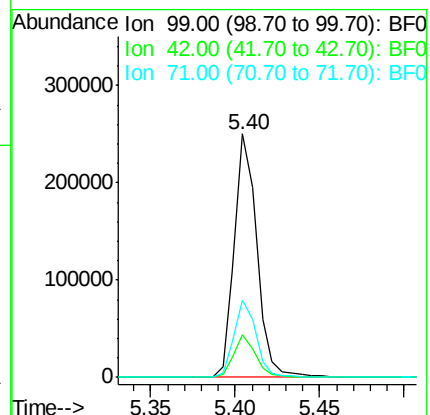
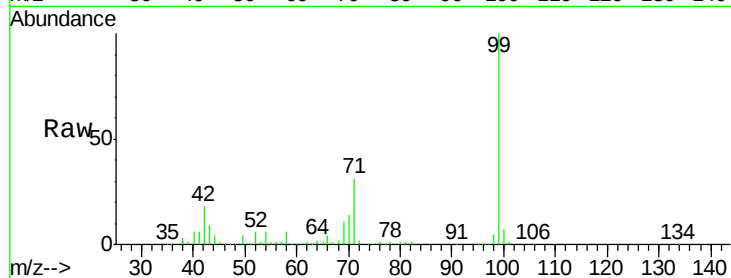
Tgt Ion: 99 Resp: 232073

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 31.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.69 ng

RT: 6.43 min Scan# 772

Delta R.T. 0.11 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Tgt Ion: 70 Resp: 16994

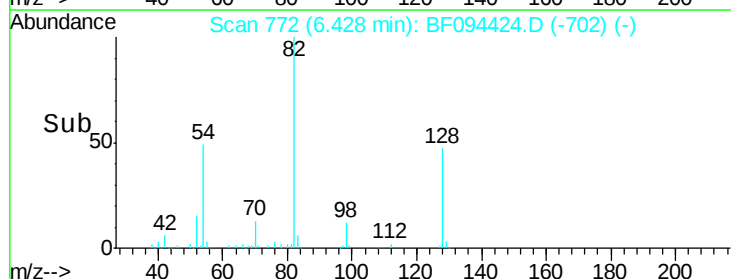
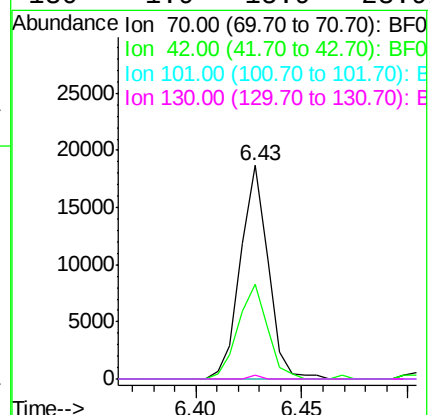
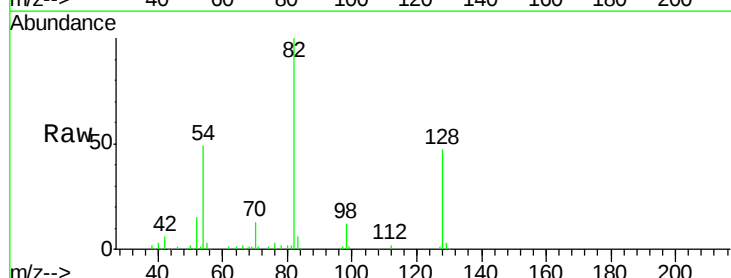
Ion Ratio Lower Upper

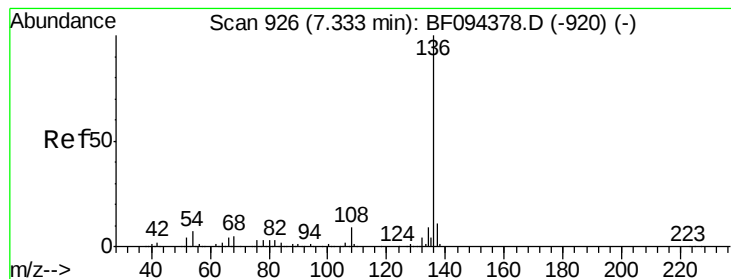
70 100

42 44.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

Tgt Ion:136 Resp: 517606

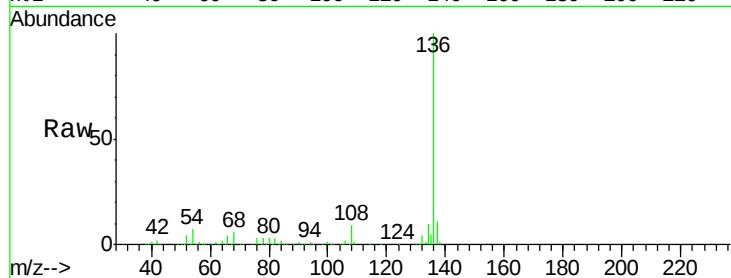
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.0 4.9 7.3

68 5.6 4.1 6.1

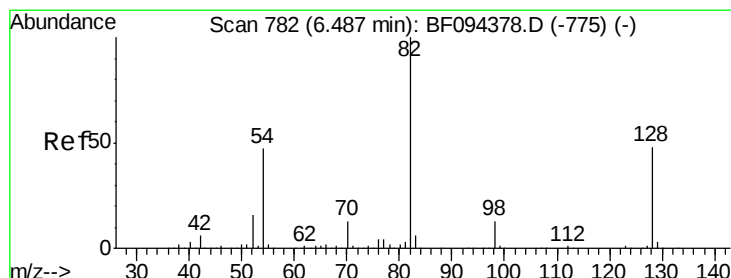
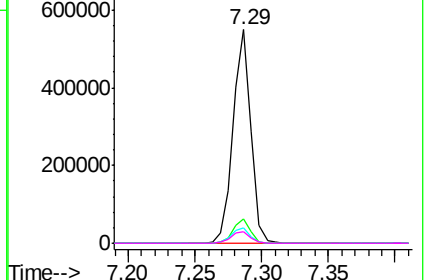
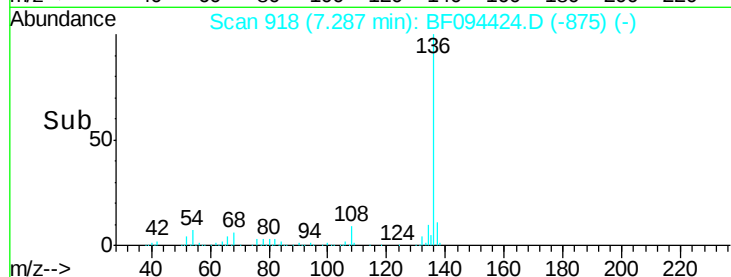


Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.75 ng

RT: 6.43 min Scan# 772

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

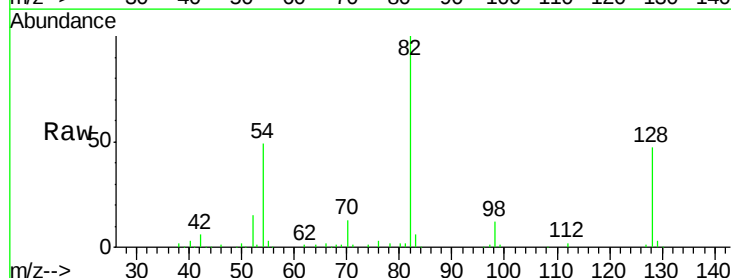
Tgt Ion: 82 Resp: 133747

Ion Ratio Lower Upper

82 100

128 47.3 34.0 51.0

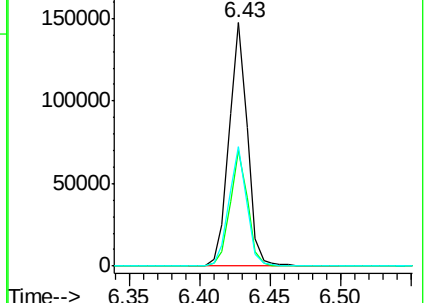
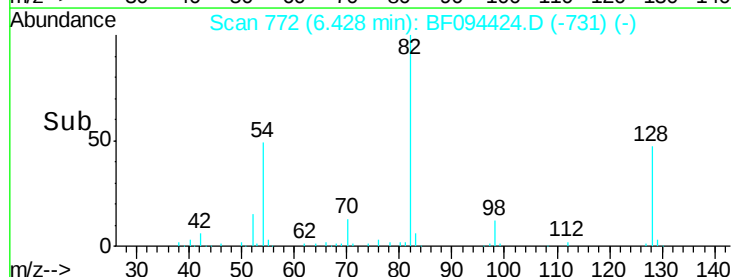
54 49.3 42.2 63.2

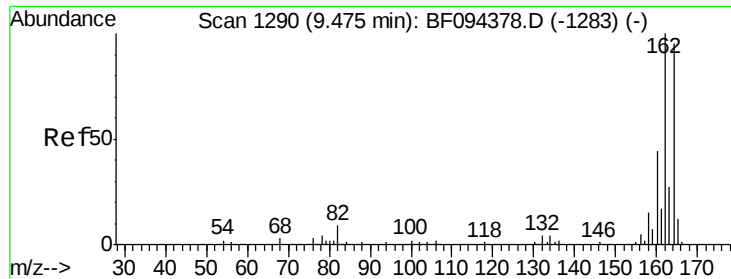


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

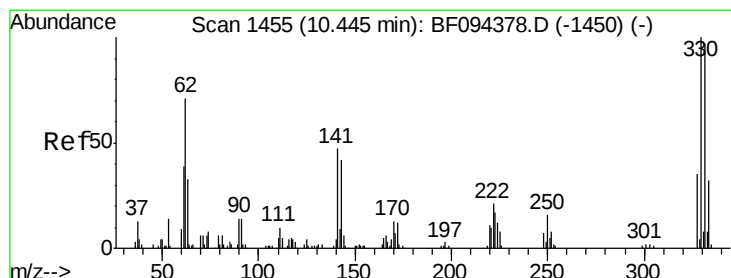
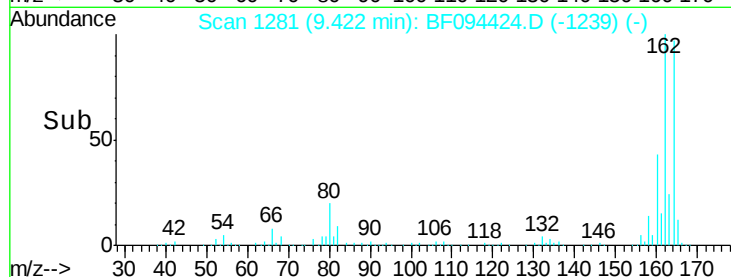
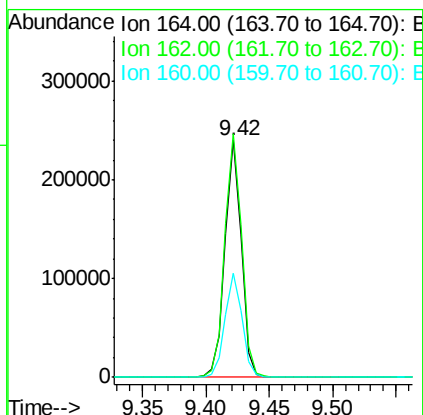
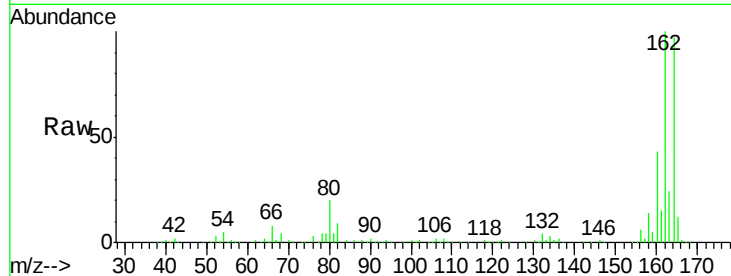




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.05 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

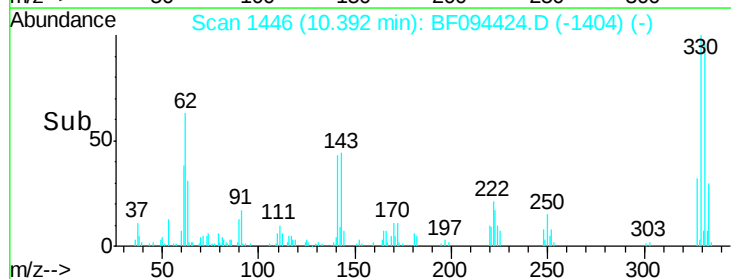
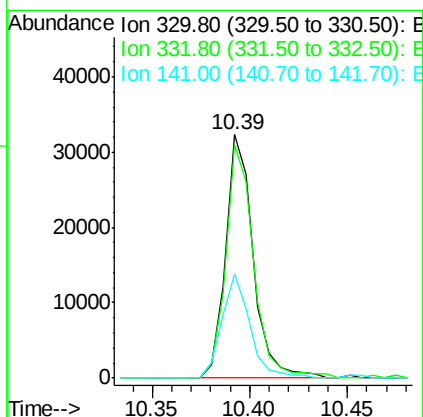
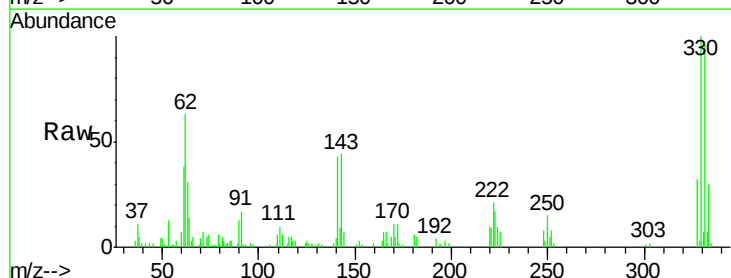
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

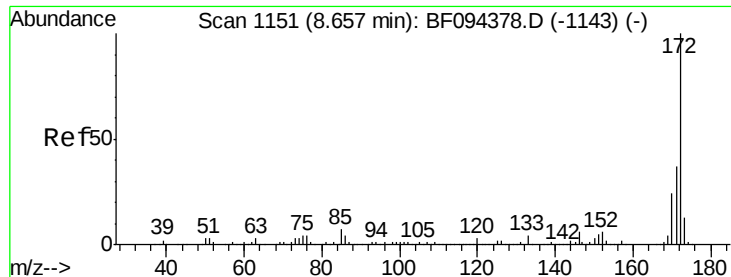
Tgt Ion:164 Resp: 216671
 Ion Ratio Lower Upper
 164 100
 162 102.7 82.6 123.8
 160 44.0 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 18.48 ng
 RT: 10.39 min Scan# 1446
 Delta R.T. -0.05 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

Tgt Ion:330 Resp: 31647
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 115.0
 141 43.5 31.4 47.2

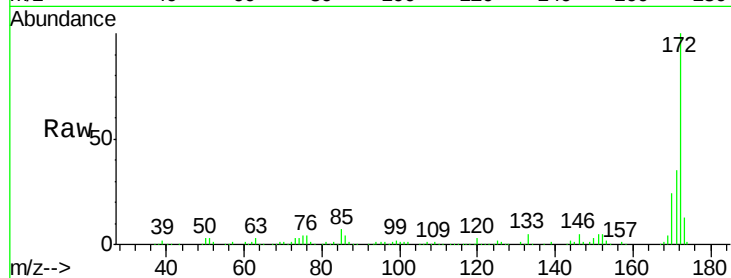




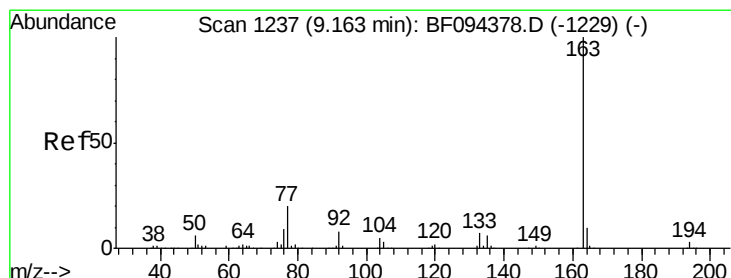
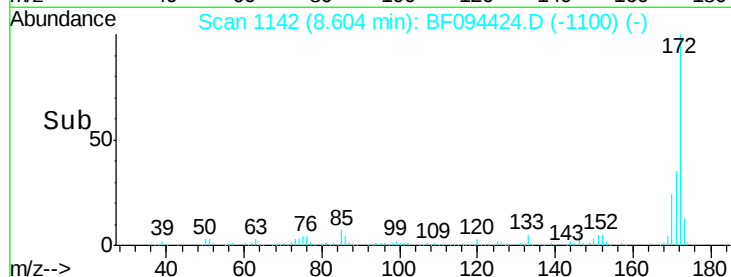
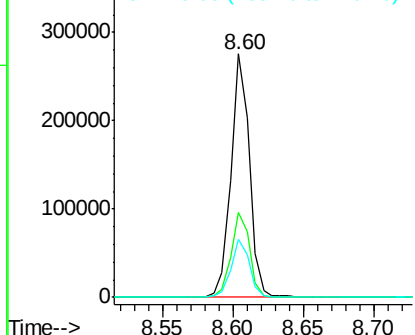
#44
 2-Fluorobiphenyl
 Concen: 17.70 ng
 RT: 8.60 min Scan# 1142
 Delta R.T. -0.05 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

Tgt Ion:172 Resp: 251500
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 24.0 19.8 29.8

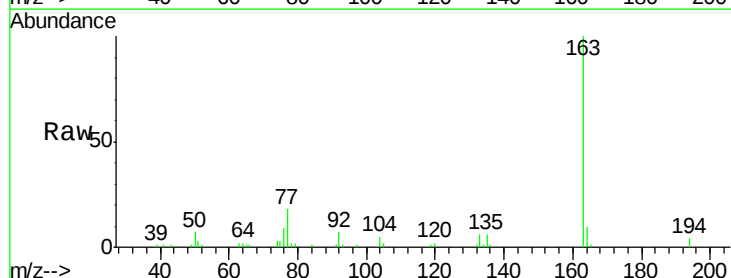


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

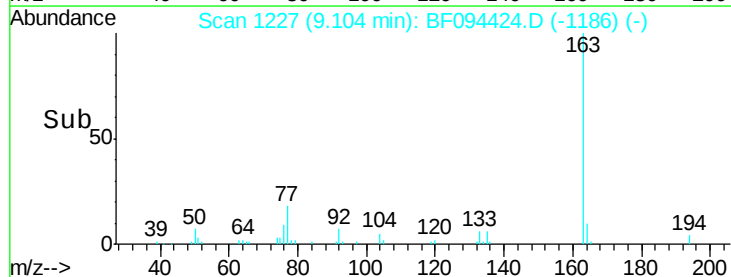
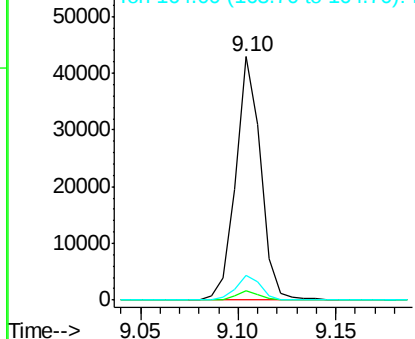


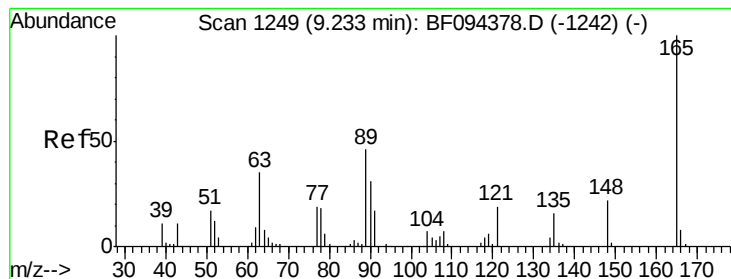
#49
 Dimethylphthalate
 Concen: 2.48 ng
 RT: 9.10 min Scan# 1227
 Delta R.T. -0.06 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

Tgt Ion:163 Resp: 38135
 Ion Ratio Lower Upper
 163 100
 194 4.0 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





#50

2,6-Dinitrotoluene

Concen: 7.75 ng

RT: 9.42 min Scan# 1281

Delta R.T. 0.19 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

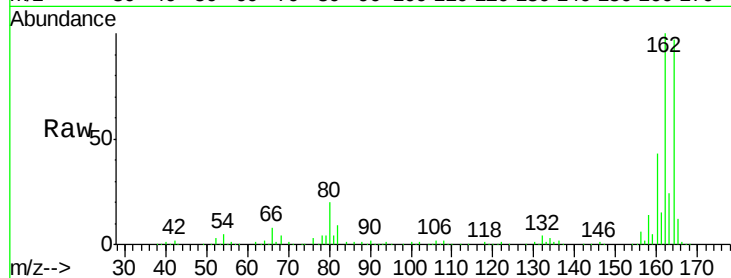
Tgt Ion:165 Resp: 27355

Ion Ratio Lower Upper

165 100

63 1.5 34.3 51.5#

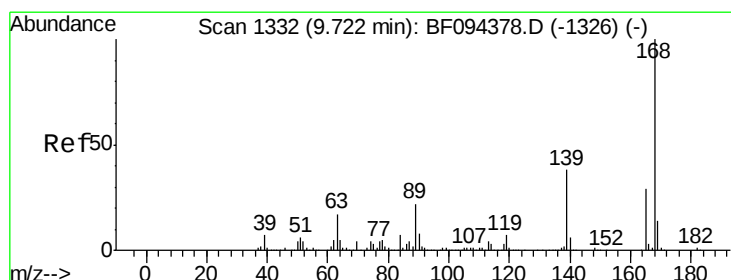
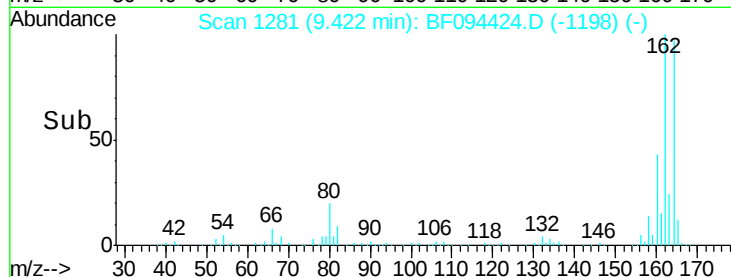
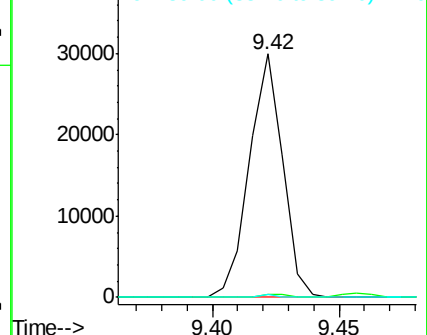
89 1.3 37.1 55.7#



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: 6.17 ng

RT: 9.42 min Scan# 1281

Delta R.T. -0.30 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Tgt Ion:165 Resp: 27355

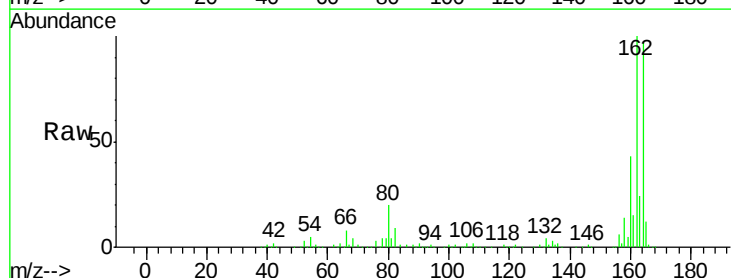
Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.3 46.4 69.6#

182 0.0 1.8 2.6#

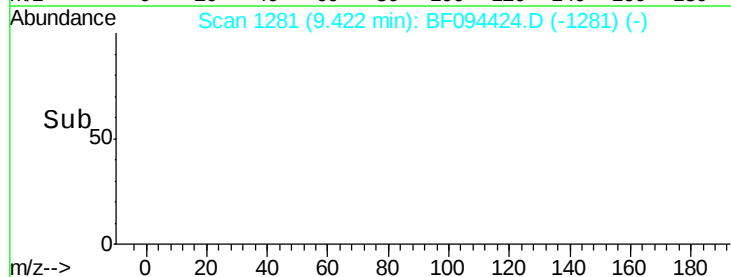
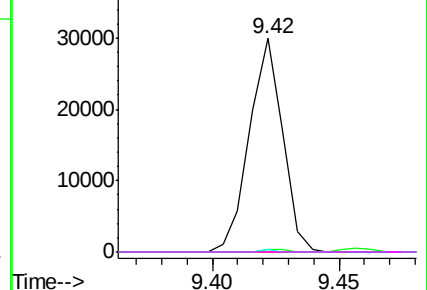


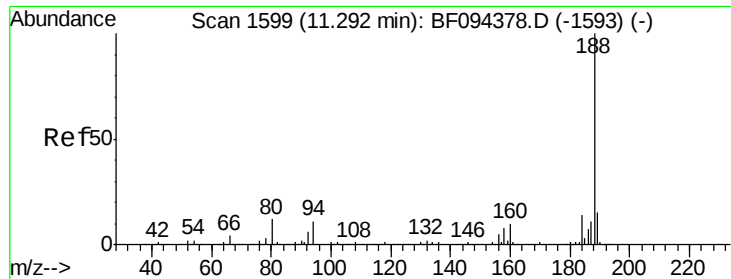
Abundance Ion 165.00 (164.70 to 165.70): E

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

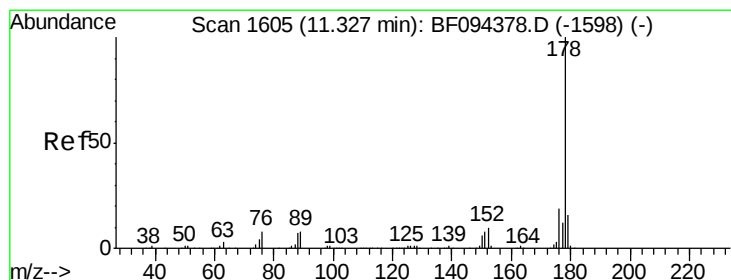
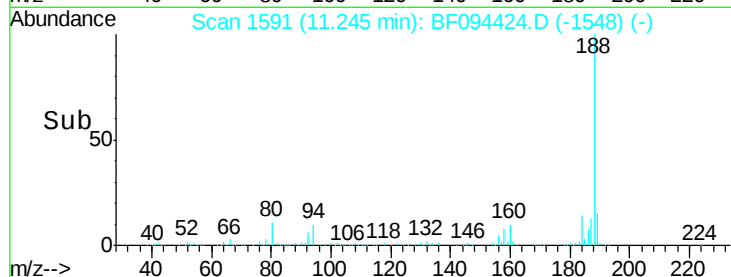
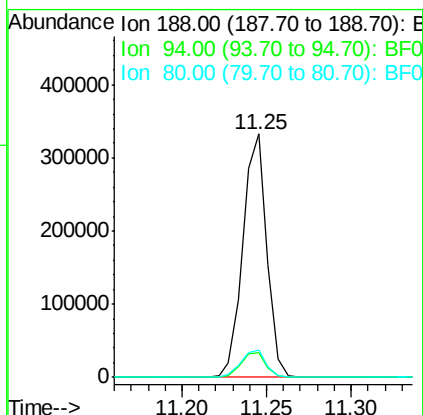
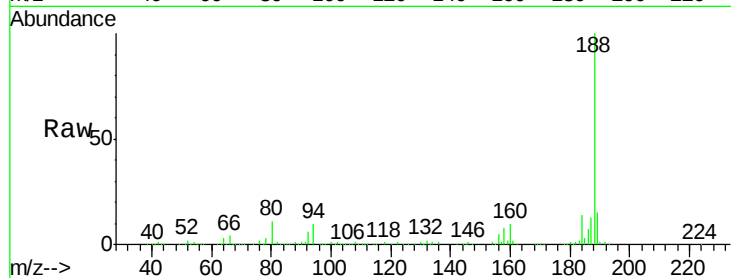




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094424.D
Acq: 14 Apr 2017 11:00

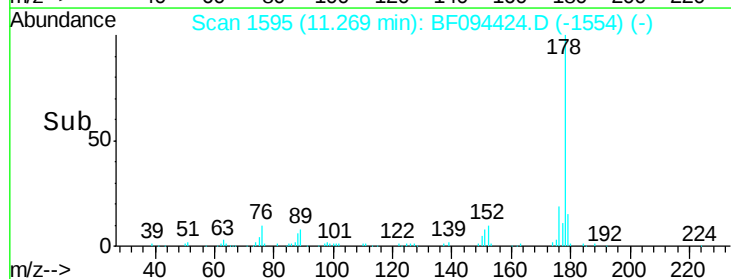
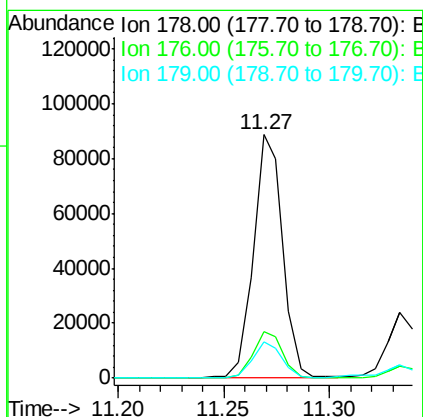
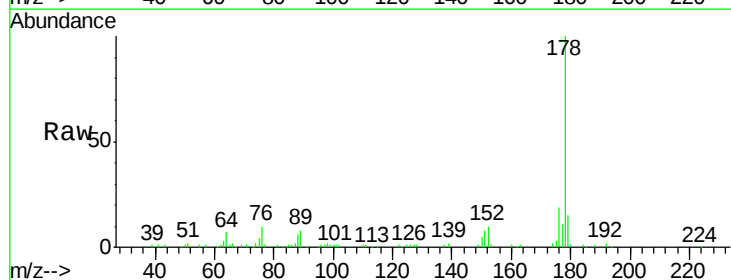
Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

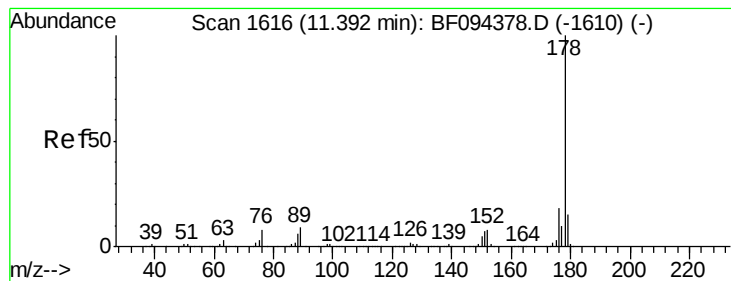
Tgt Ion:188 Resp: 328629
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.3 10.2 15.2



#70
Phenanthrene
Concen: 4.67 ng
RT: 11.27 min Scan# 1595
Delta R.T. -0.06 min
Lab File: BF094424.D
Acq: 14 Apr 2017 11:00

Tgt Ion:178 Resp: 85440
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 14.7 12.6 19.0





#71

Anthracene

Concen: 4.54 ng

RT: 11.27 min Scan# 1595

Delta R.T. -0.12 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

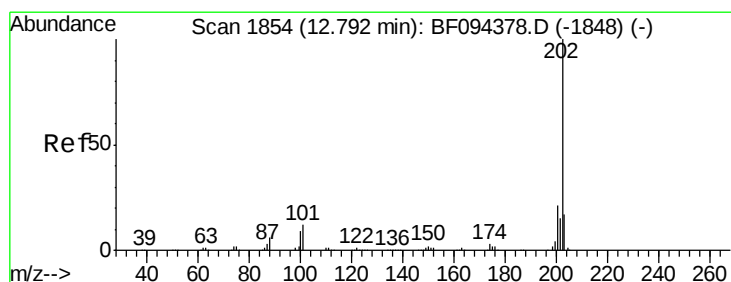
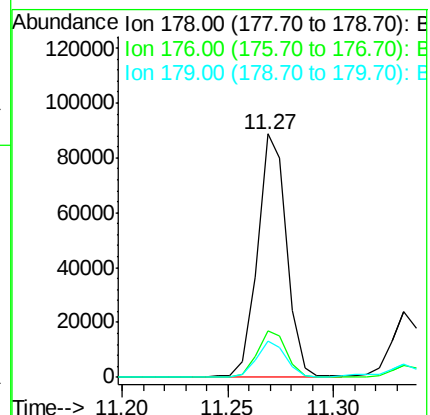
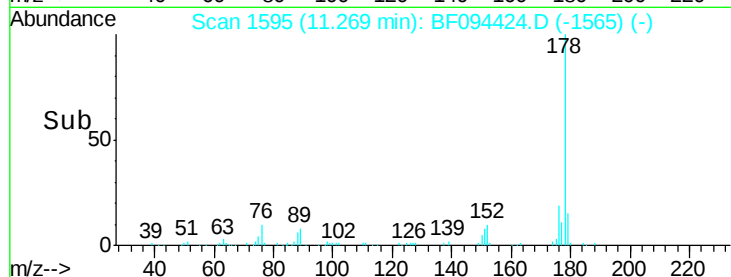
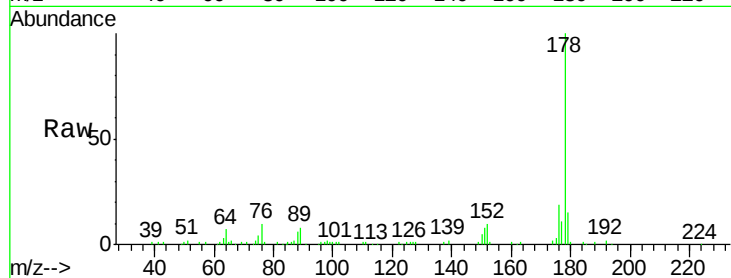
Tgt Ion:178 Resp: 85440

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

179 14.7 12.7 19.1



#74

Fluoranthene

Concen: 6.84 ng

RT: 12.73 min Scan# 1844

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

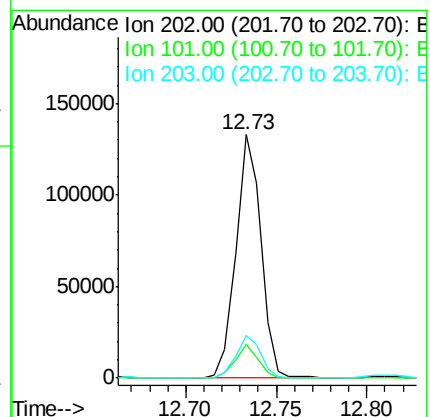
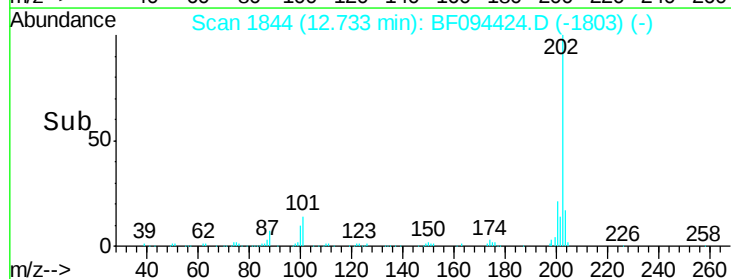
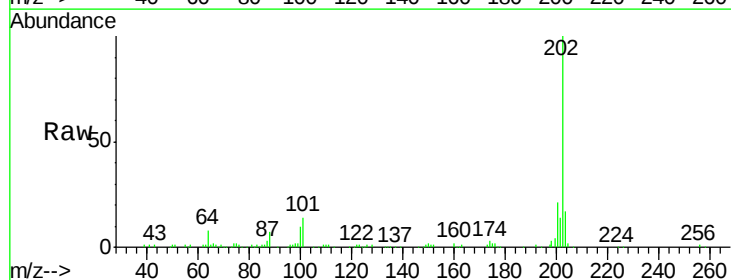
Tgt Ion:202 Resp: 127977

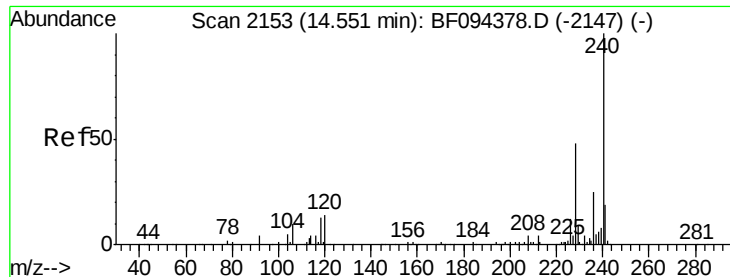
Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

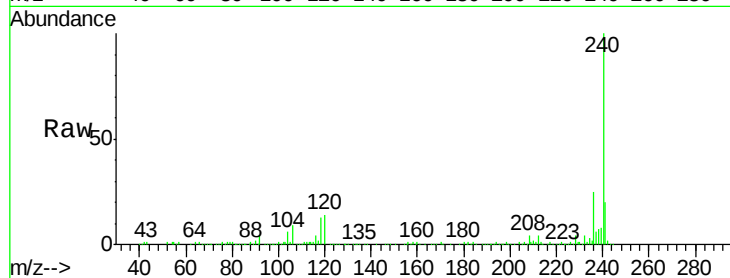
Tgt Ion:240 Resp: 255550

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

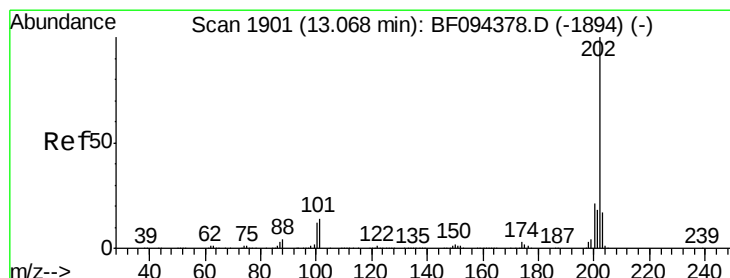
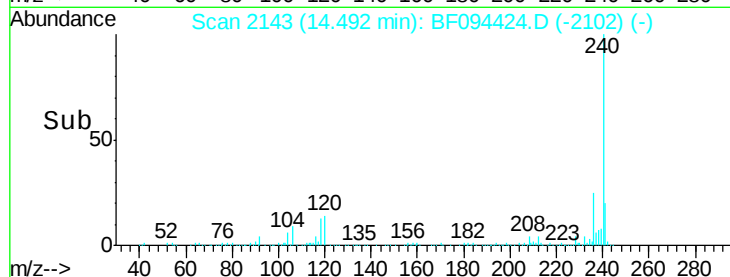
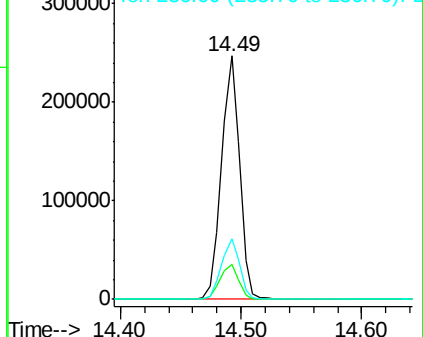
236 25.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.84 ng

RT: 13.01 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

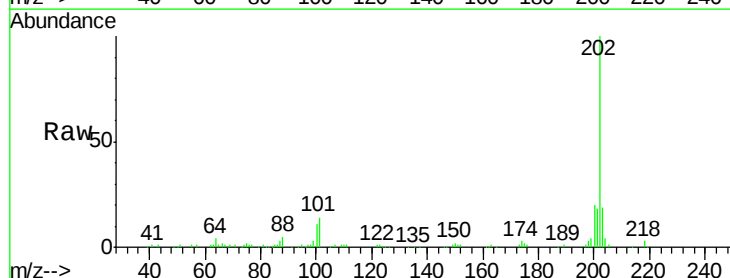
Tgt Ion:202 Resp: 108382

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

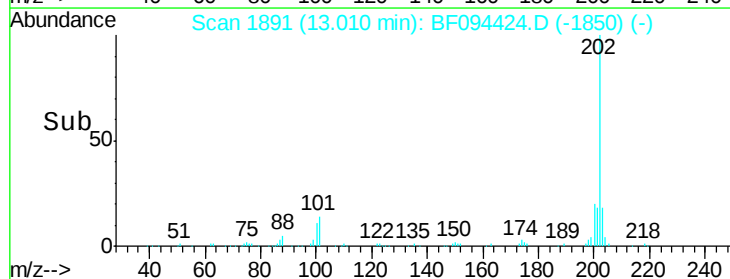
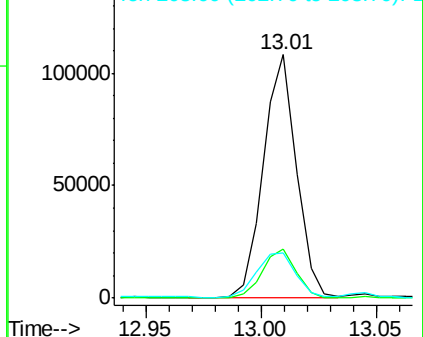
203 18.6 14.4 21.6

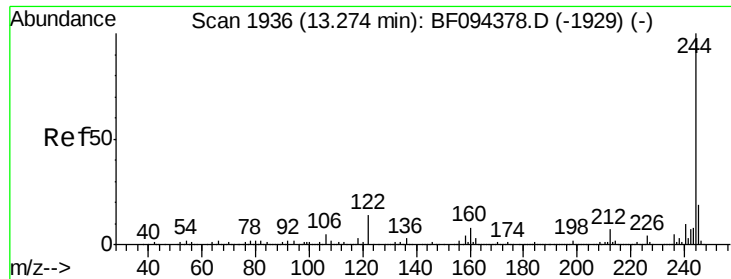


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

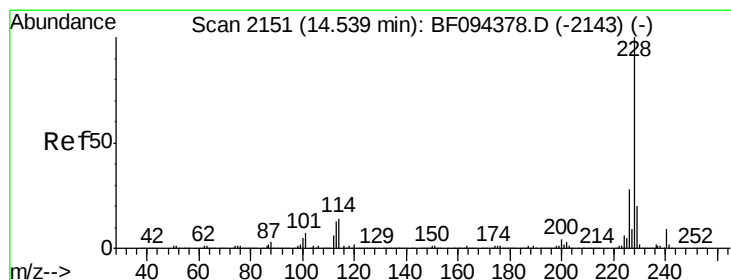
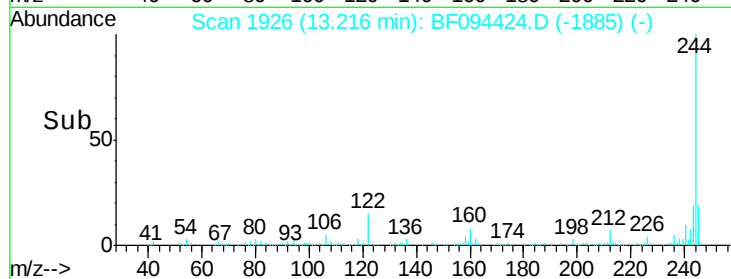
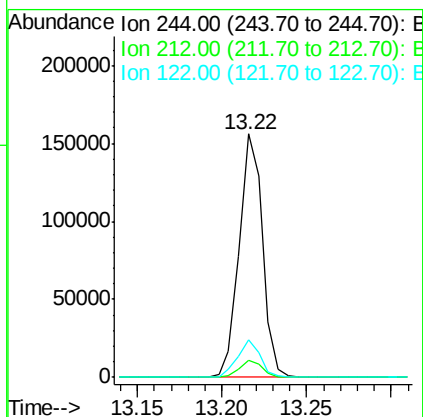
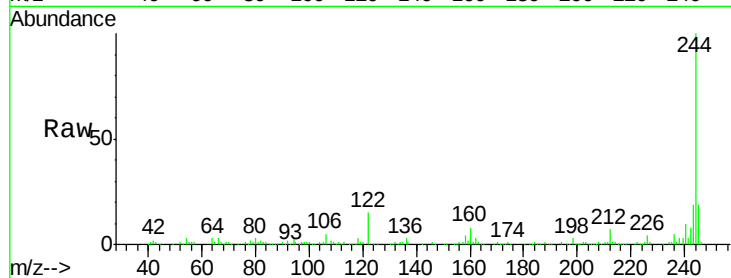




#78
 Terphenyl-d14
 Concen: 13.15 ng
 RT: 13.22 min Scan# 1926
 Delta R.T. -0.06 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

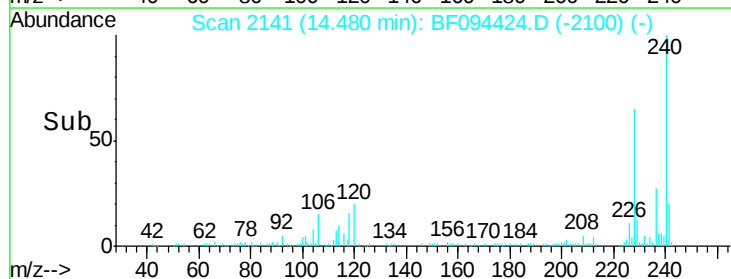
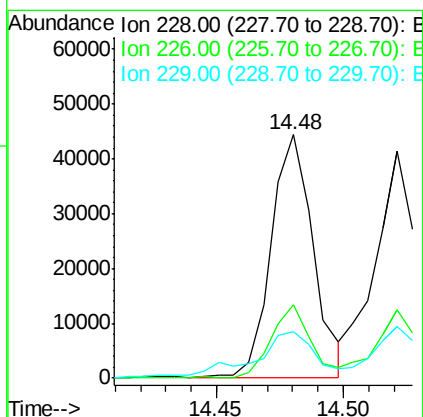
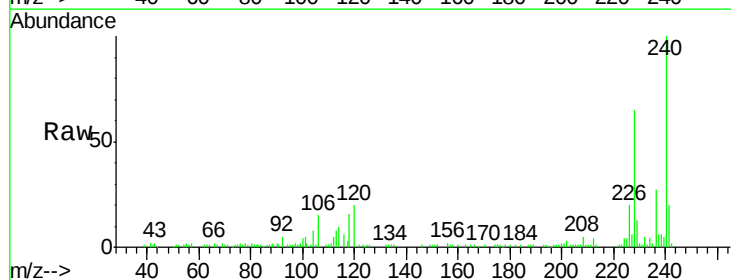
Instrument :
 BNA_F
 ClientSampleId :
 E2-AA10-SSW-2

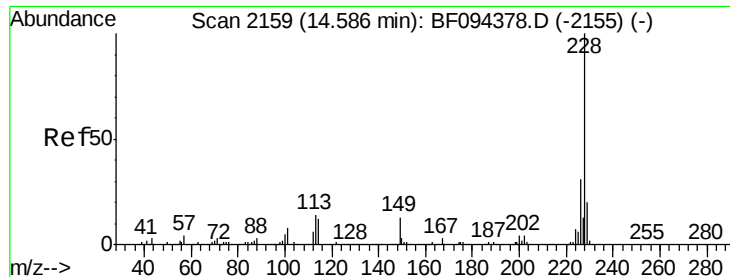
Tgt Ion:244 Resp: 149943
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.45 ng
 RT: 14.48 min Scan# 2141
 Delta R.T. -0.06 min
 Lab File: BF094424.D
 Acq: 14 Apr 2017 11:00

Tgt Ion:228 Resp: 51410
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 19.2 16.3 24.5





#82

Chrysene

Concen: 3.39 ng

RT: 14.52 min Scan# 2148

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

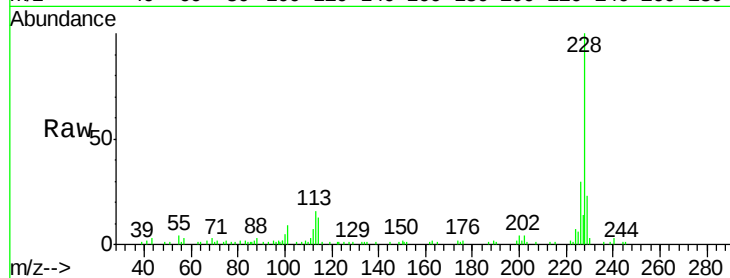
Tgt Ion:228 Resp: 46900

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

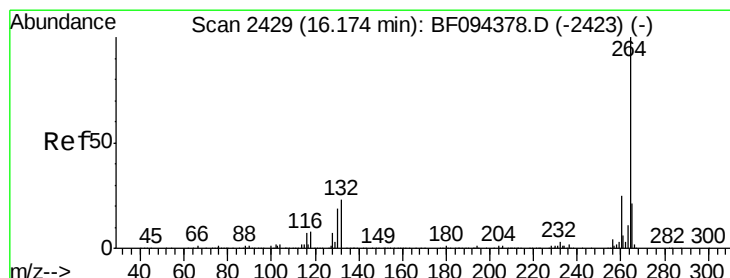
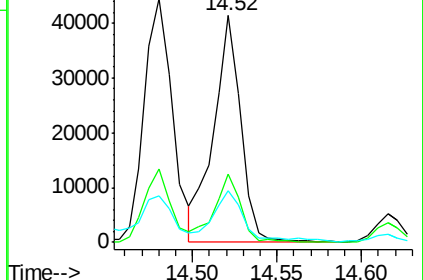
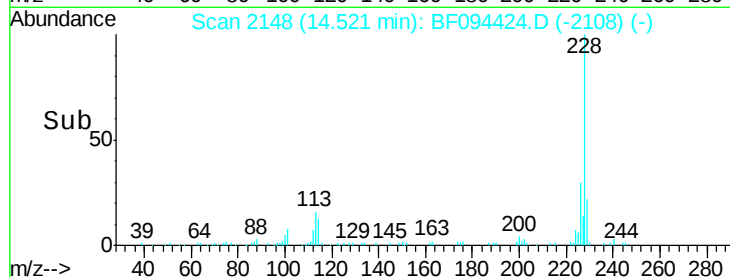
229 22.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.12 min Scan# 2419

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

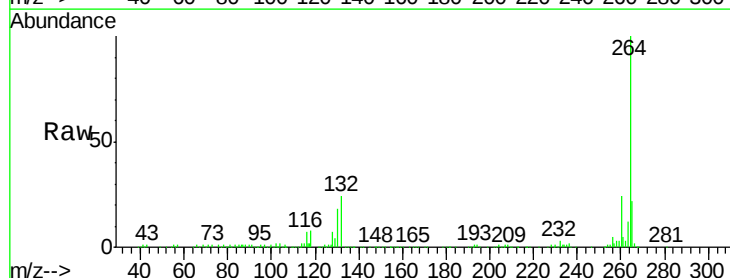
Tgt Ion:264 Resp: 196062

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

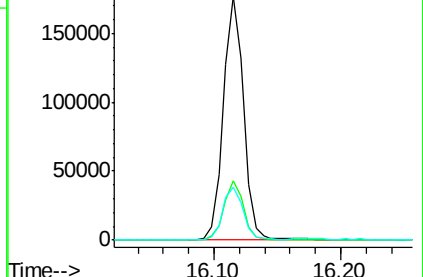
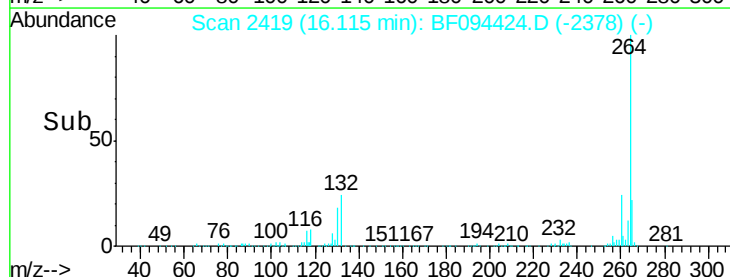
265 22.0 17.2 25.8

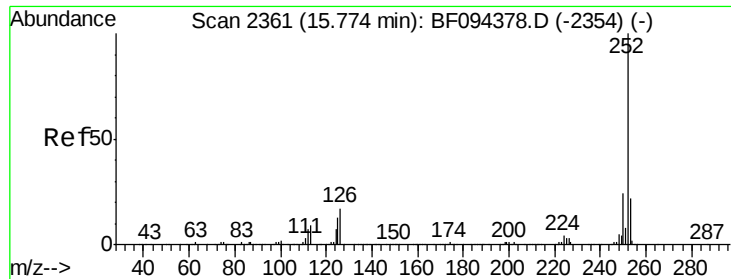


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

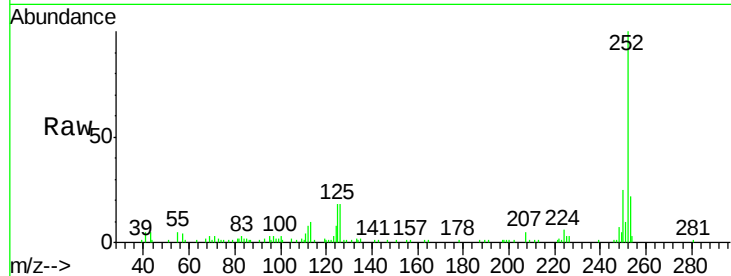




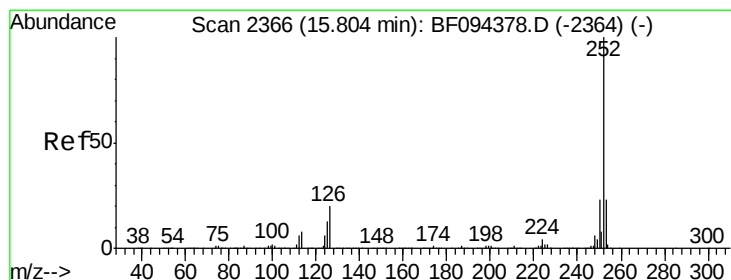
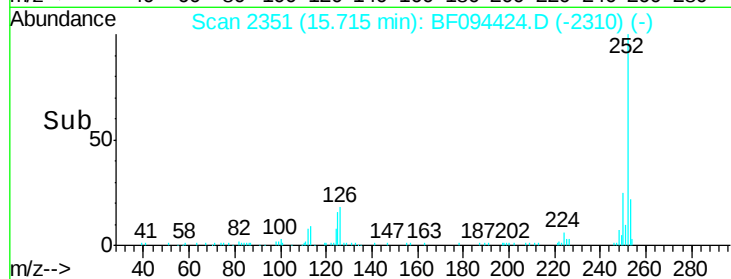
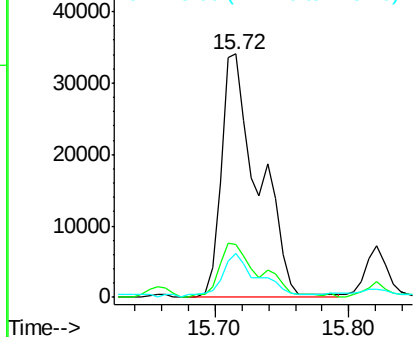
#87
Benzo(b)fluoranthene
Concen: 5.49 ng
RT: 15.72 min Scan# 2351
Delta R.T. -0.06 min
Lab File: BF094424.D
Acq: 14 Apr 2017 11:00

Instrument :
BNA_F
ClientSampleId :
E2-AA10-SSW-2

Tgt Ion:252 Resp: 65989
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 18.0 9.8 14.8#

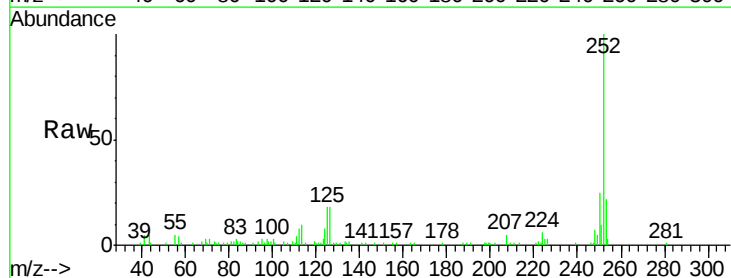


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

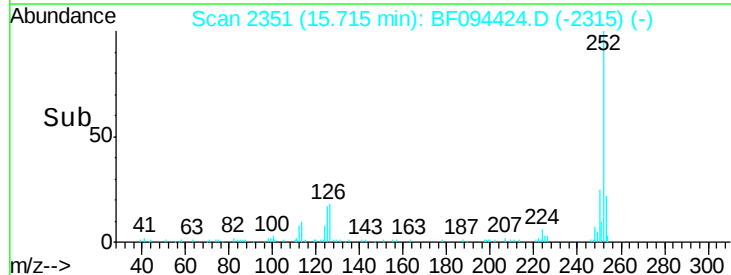
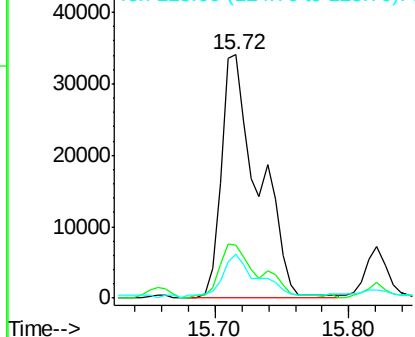


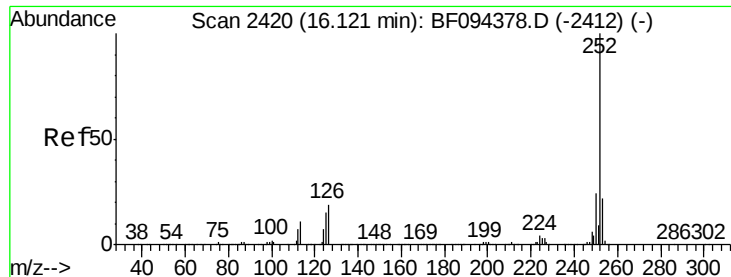
#88
Benzo(k)fluoranthene
Concen: 5.61 ng
RT: 15.72 min Scan# 2351
Delta R.T. -0.09 min
Lab File: BF094424.D
Acq: 14 Apr 2017 11:00

Tgt Ion:252 Resp: 65989
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 18.0 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: 3.07 ng

RT: 16.06 min Scan# 2409

Delta R.T. -0.06 min

Lab File: BF094424.D

Acq: 14 Apr 2017 11:00

Instrument :

BNA_F

ClientSampleId :

E2-AA10-SSW-2

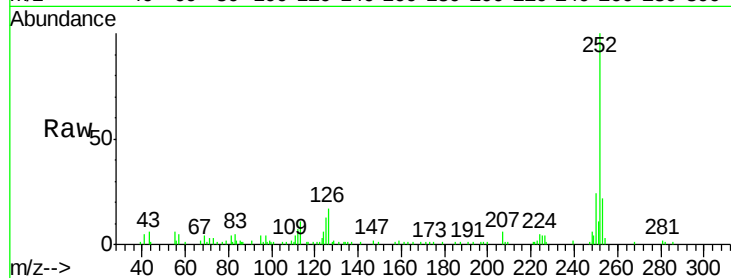
Tgt Ion: 252 Resp: 33963

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 13.1 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

