

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098698.D
 Acq On : 22 Sep 2017 14:24
 Operator : SJ/JU
 Sample : I5293-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-COMP

Quant Time: Sep 22 15:06:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

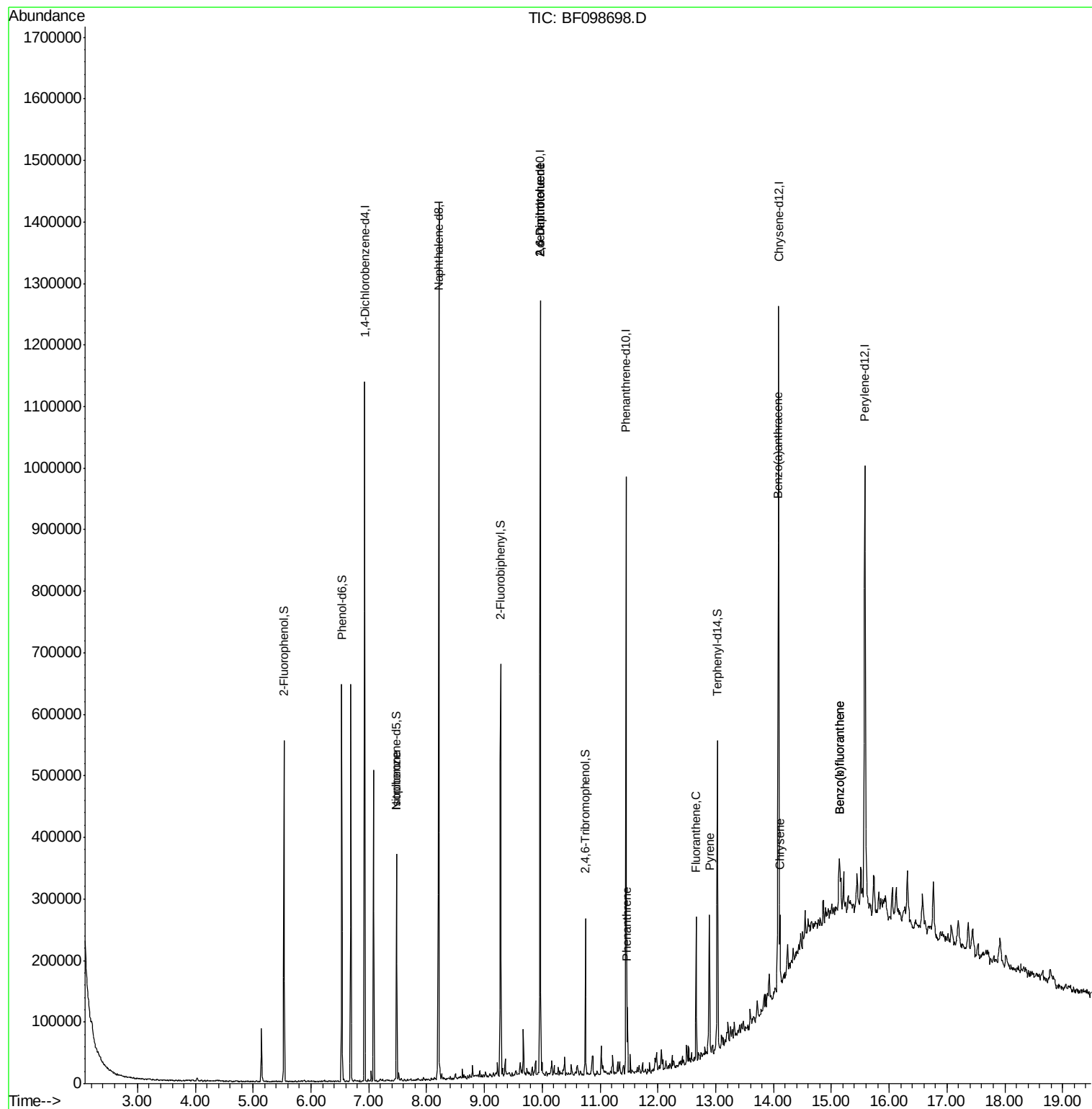
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	151639	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	575235	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	218305	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	317847	20.00	ng	0.00
75) Chrysene-d12	14.09	240	331600	20.00	ng	0.00
86) Perylene-d12	15.58	264	326196	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	150524	15.07	ng	0.00
7) Phenol-d6	6.53	99	182005	15.05	ng	-0.01
23) Nitrobenzene-d5	7.48	82	92847	10.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	22396	11.22	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	182429	13.30	ng	0.00
78) Terphenyl-d14	13.03	244	127024	8.23	ng	0.00
Target Compounds						
25) Isophorone	7.48	82	92587	5.006	ng	# 64
50) 2,6-Dinitrotoluene	9.96	165	27754	8.591	ng	# 26
56) 2,4-Dinitrotoluene	9.96	165	27754	6.395	ng	# 24
70) Phenanthrene	11.47	178	40404	2.343	ng	98
74) Fluoranthene	12.66	202	87791	5.109	ng	98
77) Pyrene	12.89	202	90798	3.688	ng	99
80) Benzo(a)anthracene	14.07	228	40907	2.048	ng	95
82) Chrysene	14.11	228	39221	2.033	ng	97
87) Benzo(b)fluoranthene	15.14	252	60765	3.212	ng	# 88
88) Benzo(k)fluoranthene	15.14	252	60765	3.214	ng	# 91

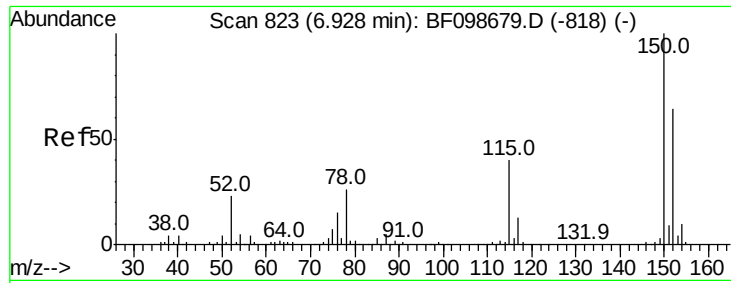
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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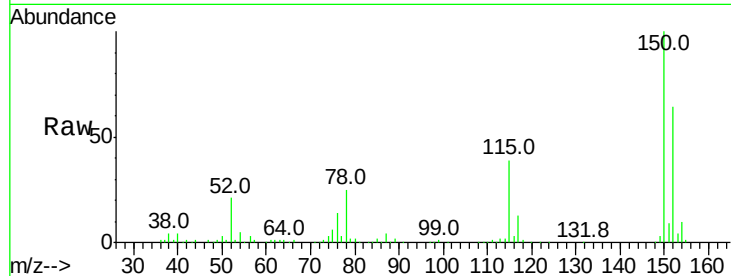


#1

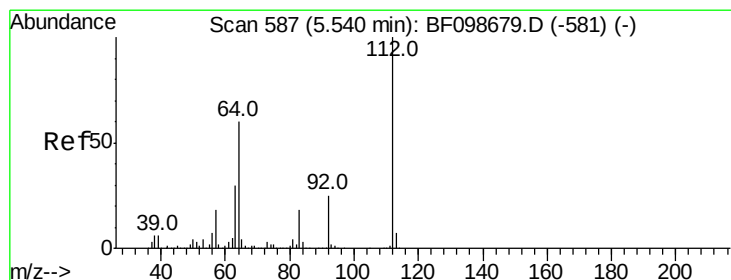
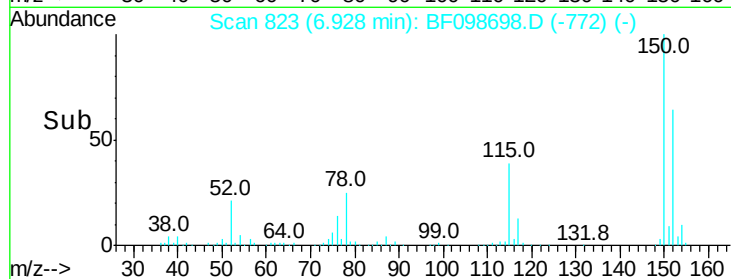
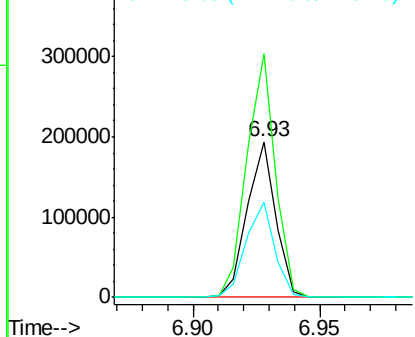
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF098698.D
Acq: 22 Sep 2017 14:24

Instrument :
BNA_F
ClientSampleId :
SP-A-COMP

Tot Ion:152 Resp: 151639
Ion Ratio Lower Upper
152 100
150 156.4 124.6 186.8
115 60.7 50.1 75.1



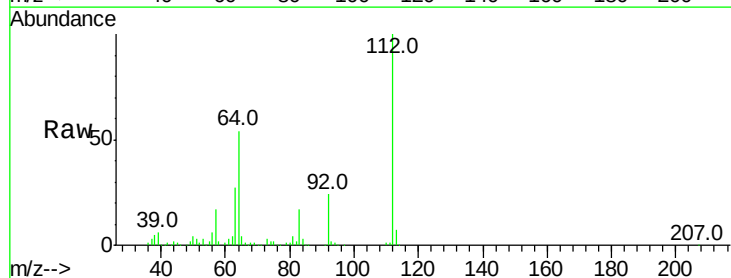
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



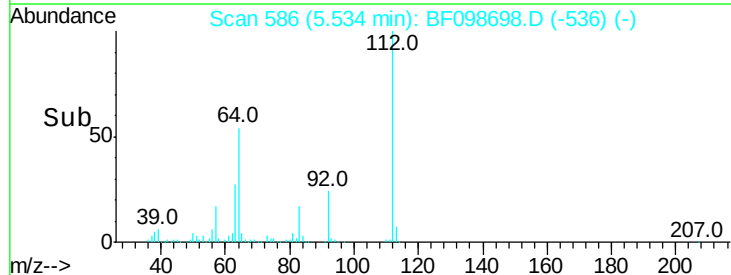
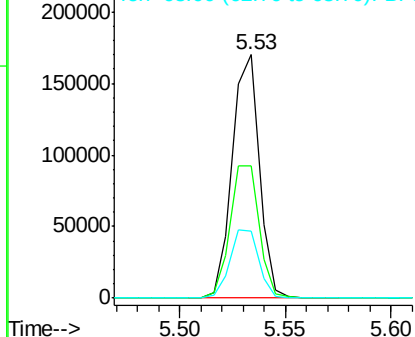
#5

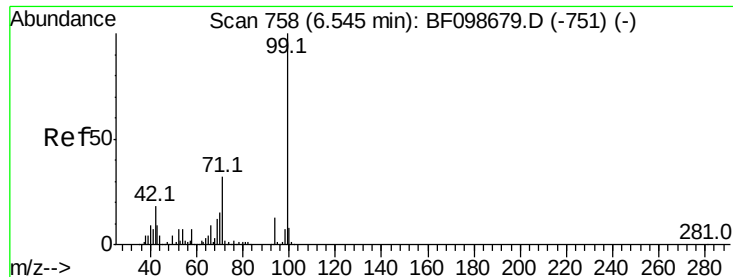
2-Fluorophenol
Concen: 15.074 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098698.D
Acq: 22 Sep 2017 14:24

Tgt Ion:112 Resp: 150524
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 27.4 23.7 35.5



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: 15.051 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

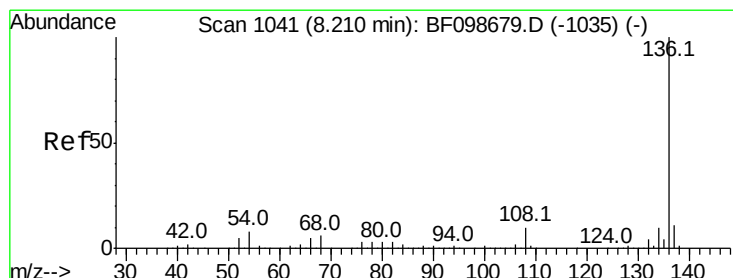
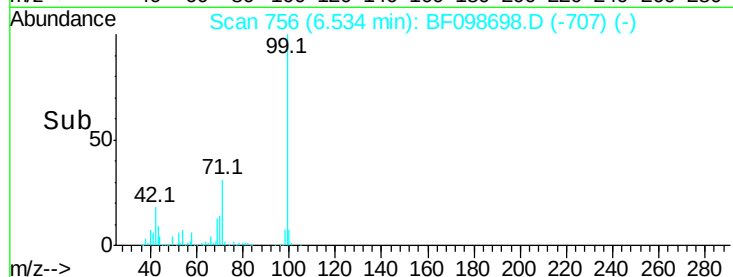
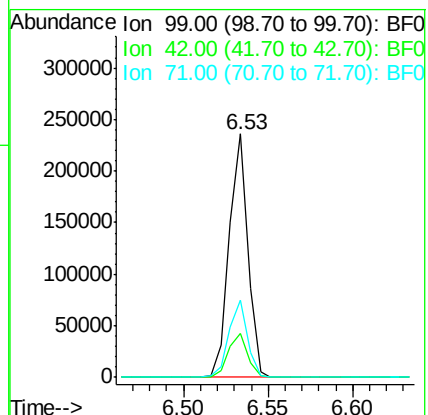
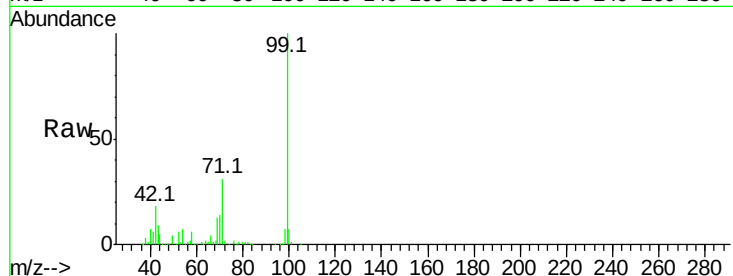
Tot Ion: 99 Resp: 182005

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 31.5 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Tgt Ion: 136 Resp: 575235

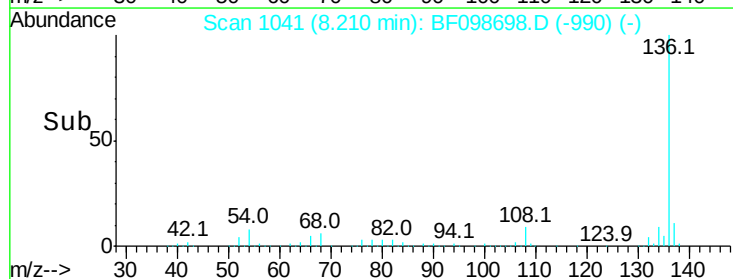
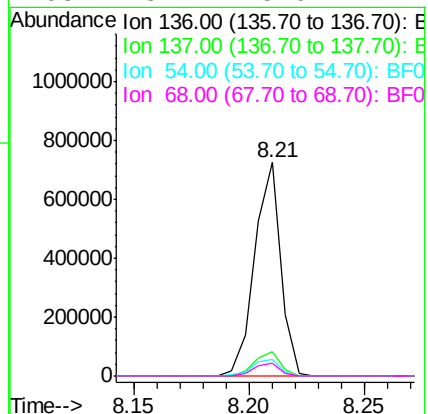
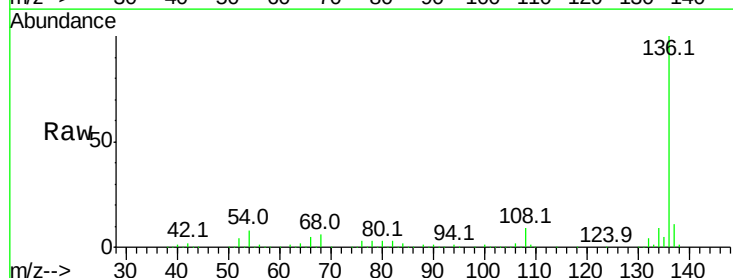
Ion Ratio Lower Upper

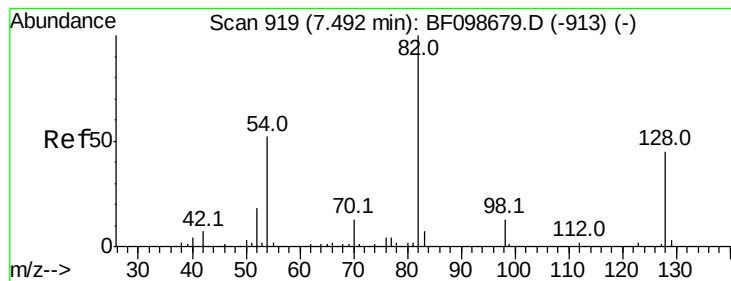
136 100

137 11.1 8.9 13.3

54 7.6 6.6 9.8

68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 10.948 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

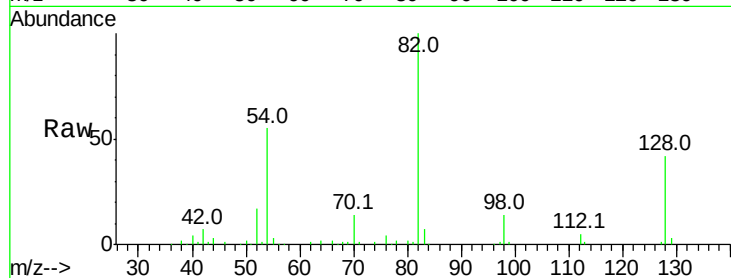
Tot Ion: 82 Resp: 92847

Ion Ratio Lower Upper

82 100

128 42.2 36.1 54.1

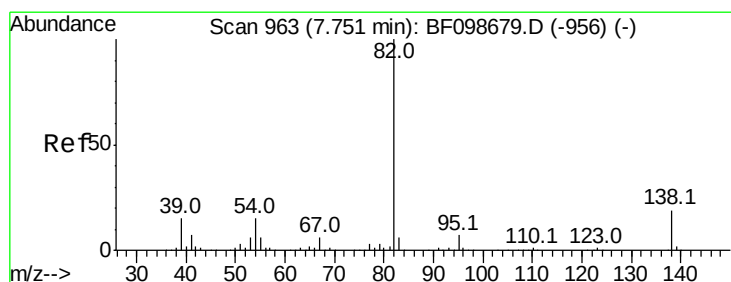
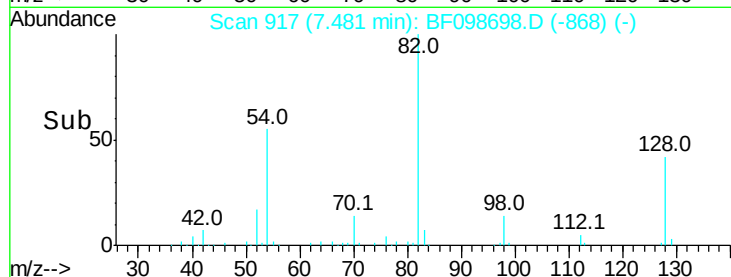
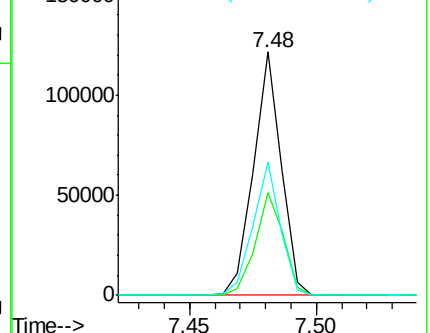
54 54.9 41.4 62.2



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: 5.006 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

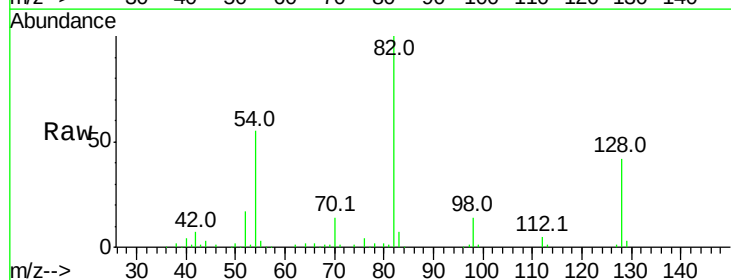
Tgt Ion: 82 Resp: 92587

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

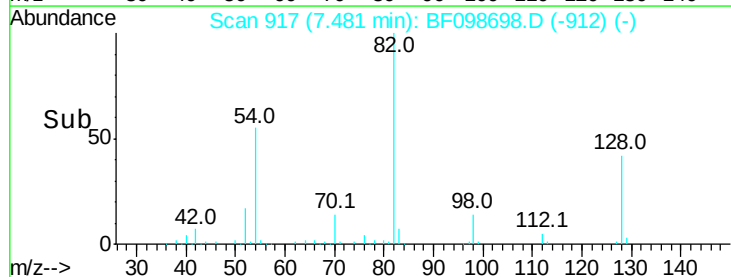
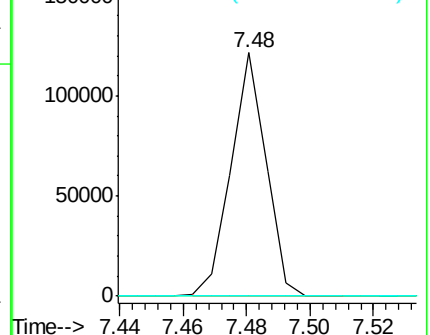
138 0.0 14.9 22.3#

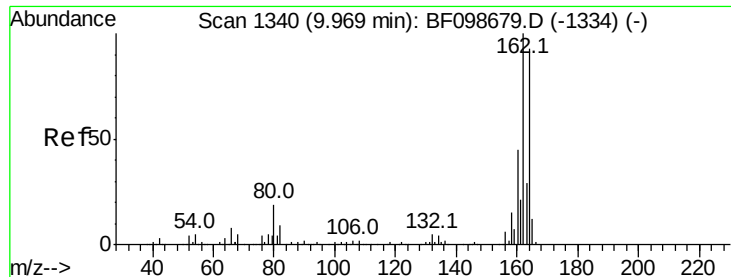


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

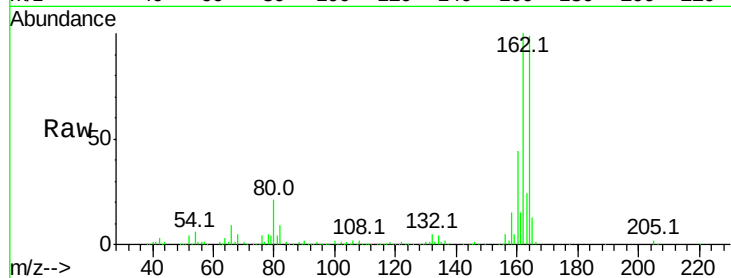
Tot Ion:164 Resp: 218305

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

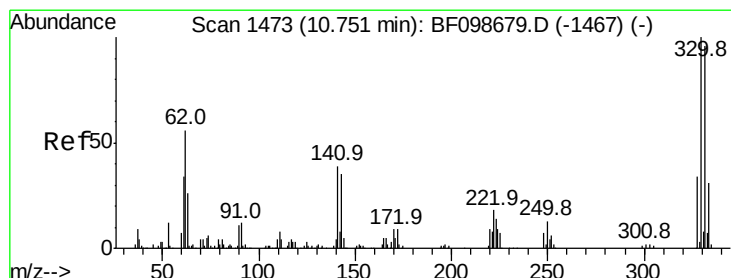
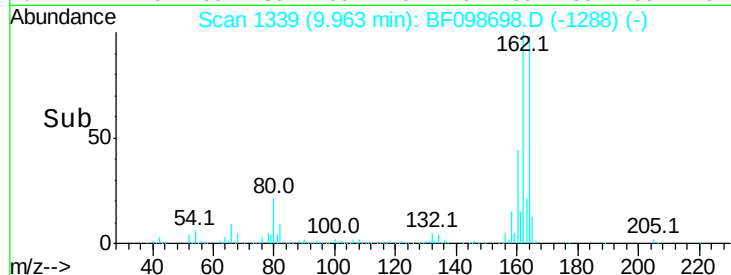
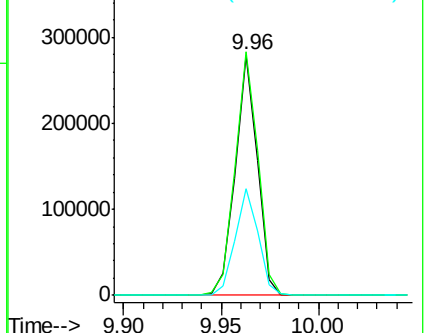
160 44.3 38.3 57.5



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: 11.218 ng

RT: 10.75 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

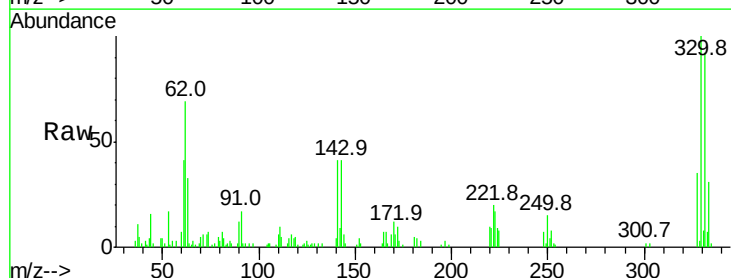
Tgt Ion:330 Resp: 22396

Ion Ratio Lower Upper

330 100

332 90.7 77.0 115.6

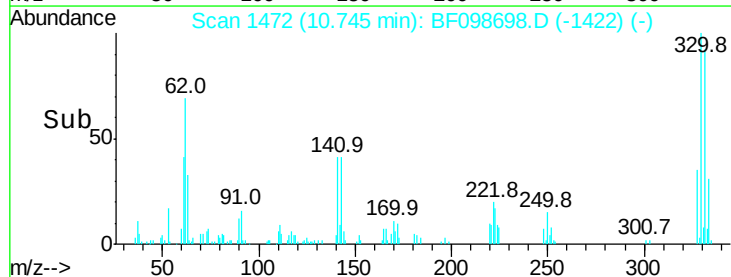
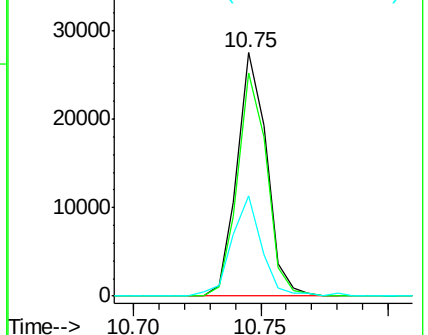
141 41.9 29.9 44.9

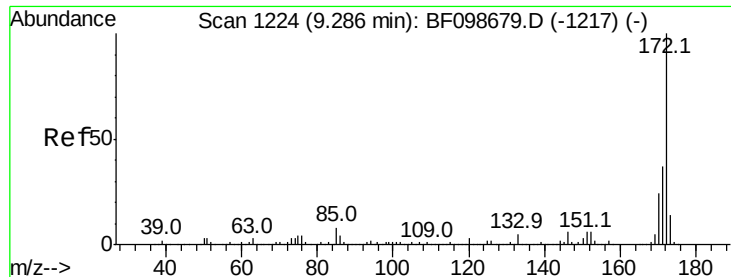


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

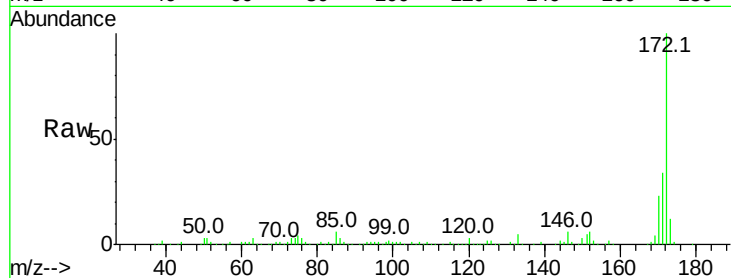




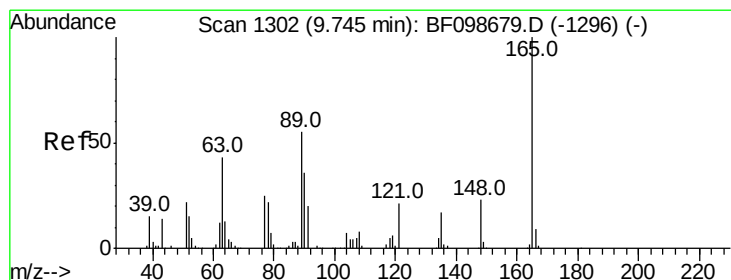
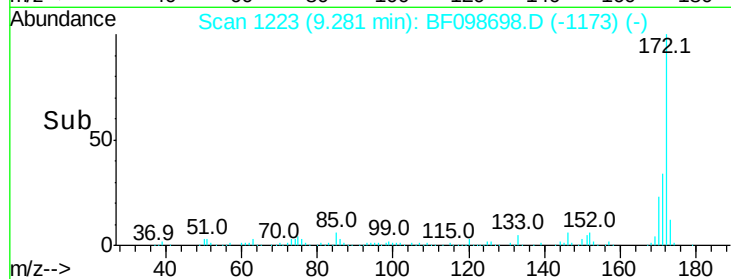
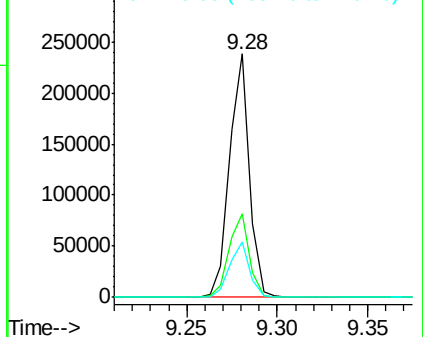
#44
 2-Fluorobiphenyl
 Concen: 13.298 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF098698.D
 Acq: 22 Sep 2017 14:24

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-COMP

Tot Ion:172 Resp: 182429
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.7 44.5
 170 22.9 19.6 29.4

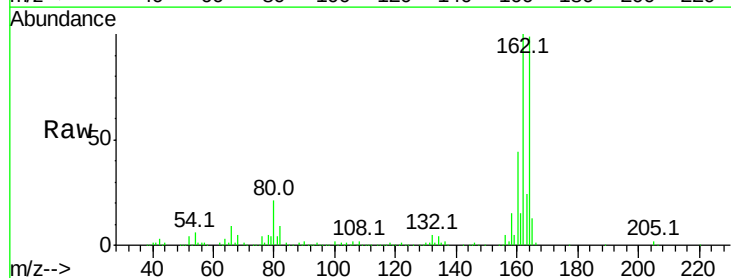


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

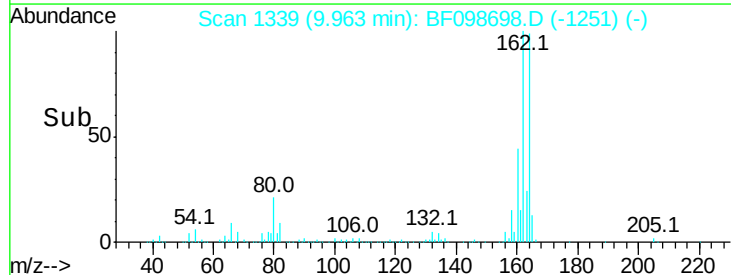
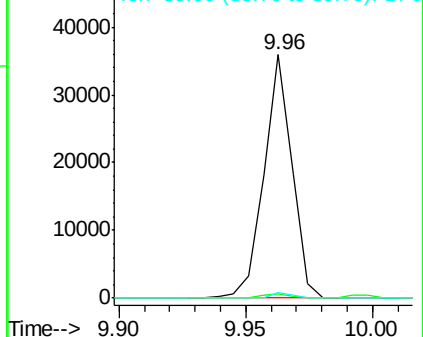


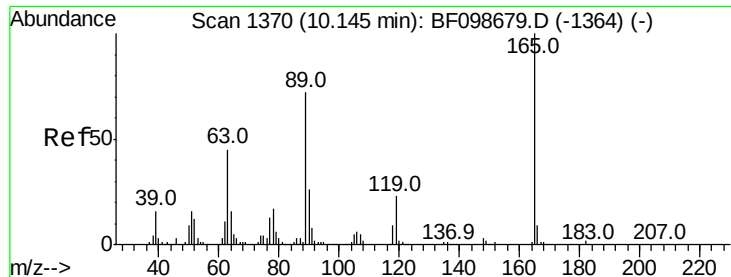
#50
 2,6-Dinitrotoluene
 Concen: 8.591 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.22 min
 Lab File: BF098698.D
 Acq: 22 Sep 2017 14:24

Tgt Ion:165 Resp: 27754
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 2.2 44.0 66.0#



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: 6.395 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.18 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

Tot Ion:165 Resp: 27754

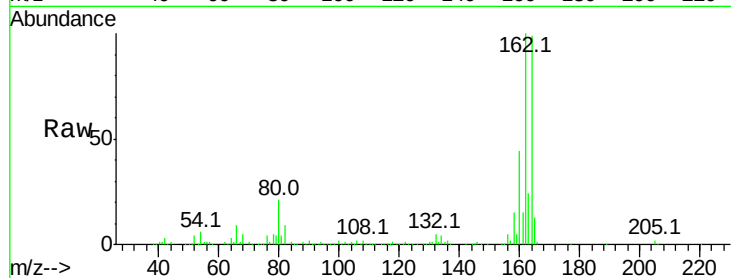
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

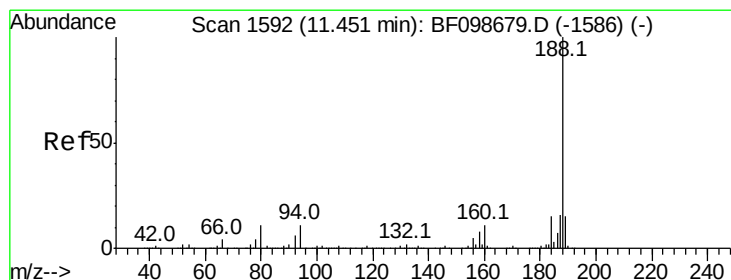
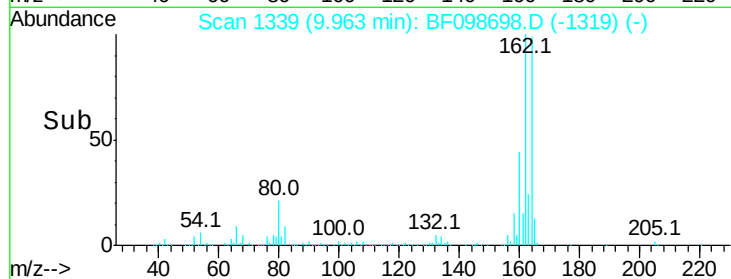
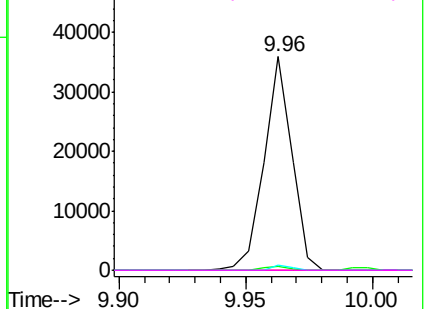


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

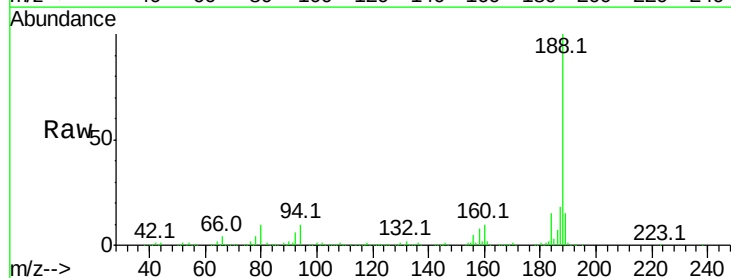
Tgt Ion:188 Resp: 317847

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

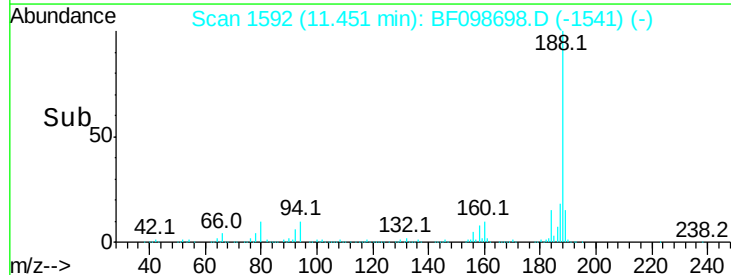
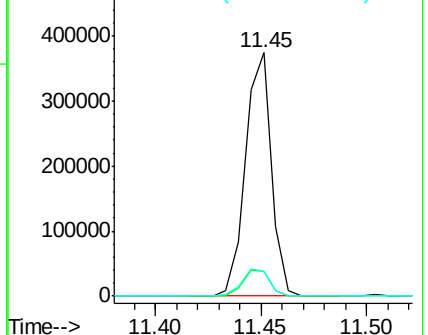
80 10.4 9.2 13.8

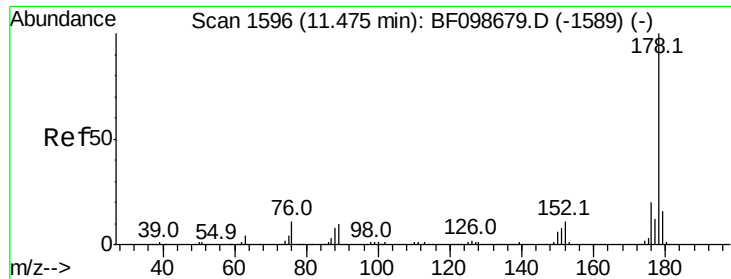


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.343 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF098698.D

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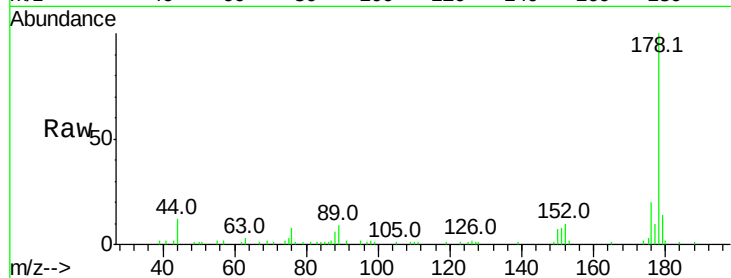
Tot Ion:178 Resp: 40404

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

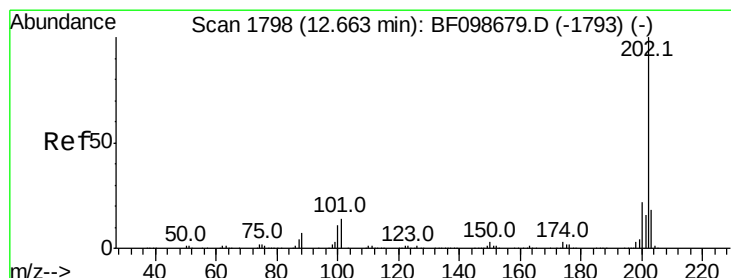
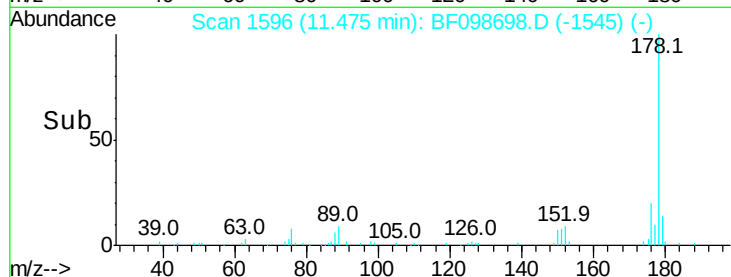
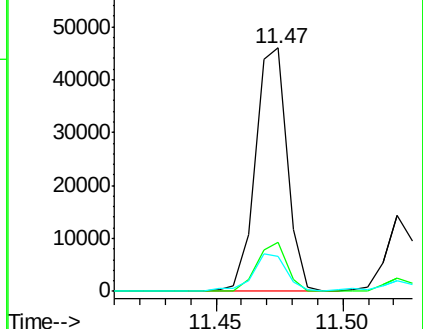
179 14.2 13.0 19.6



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: 5.109 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

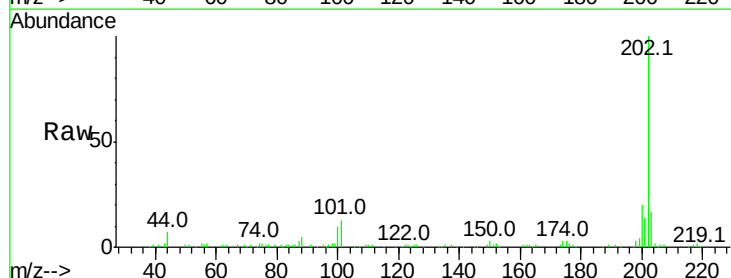
Tgt Ion:202 Resp: 87791

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

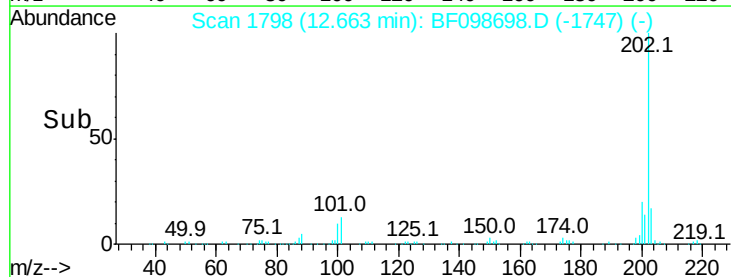
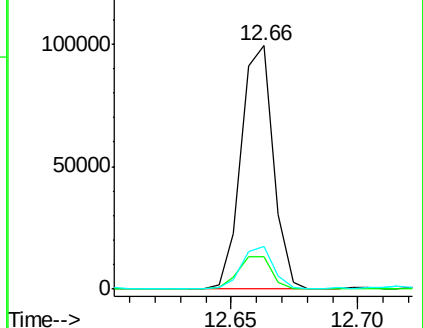
203 17.4 0.0 38.1

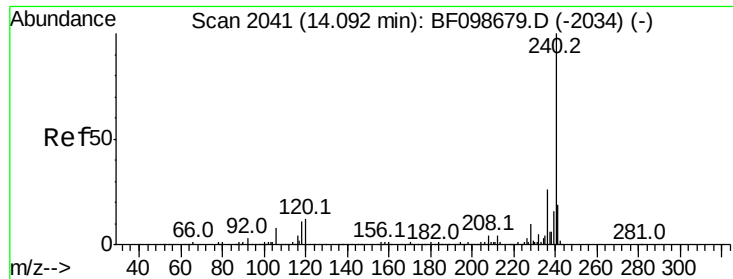


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

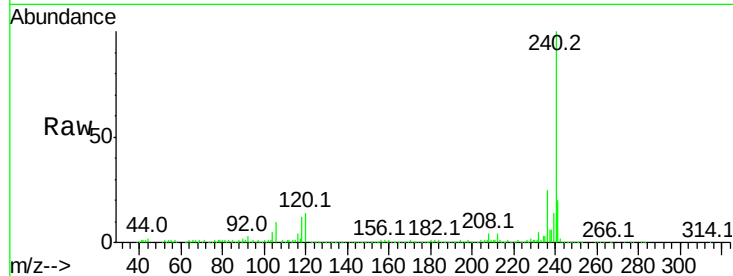
Tot Ion:240 Resp: 331600

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

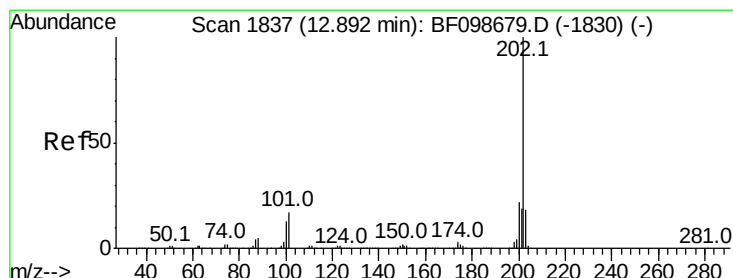
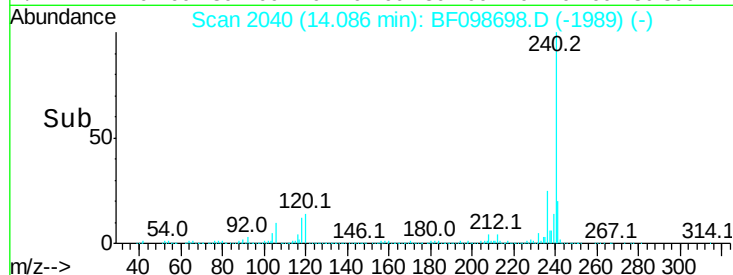
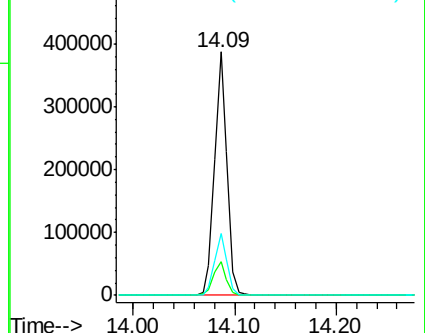
236 25.3 20.7 31.1



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: 3.688 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

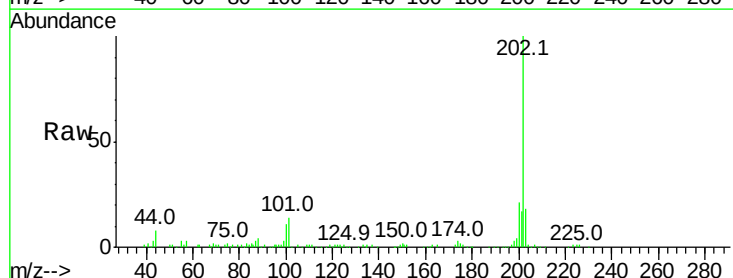
Tgt Ion:202 Resp: 90798

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

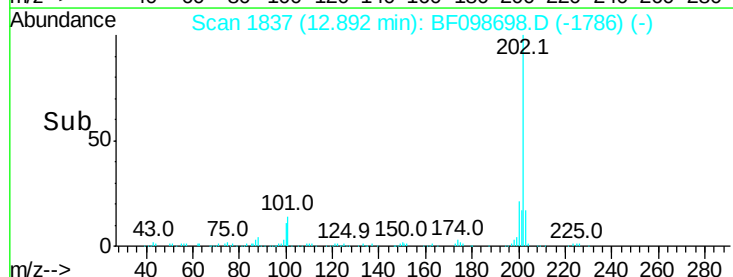
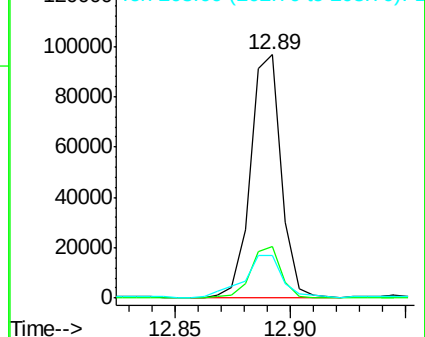
203 17.7 14.3 21.5

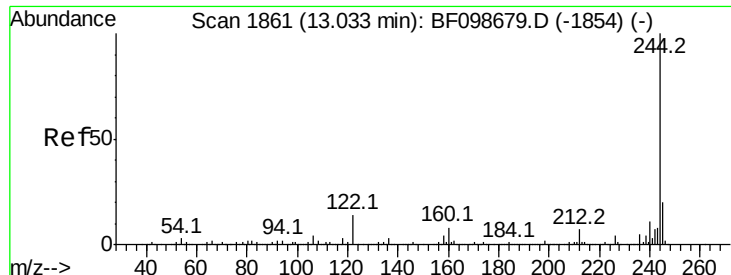


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.225 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

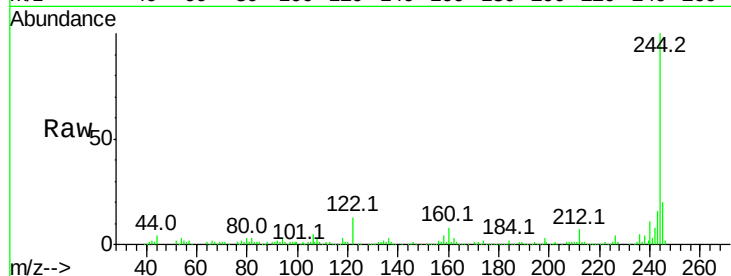
Tot Ion:244 Resp: 127024

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

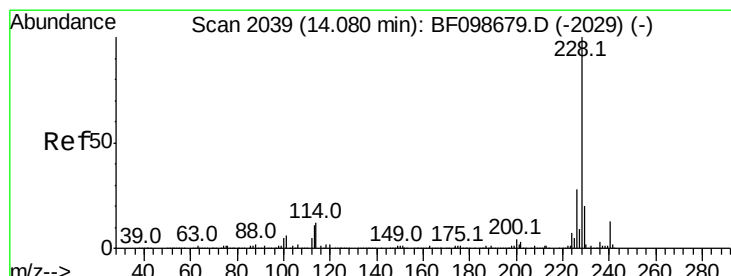
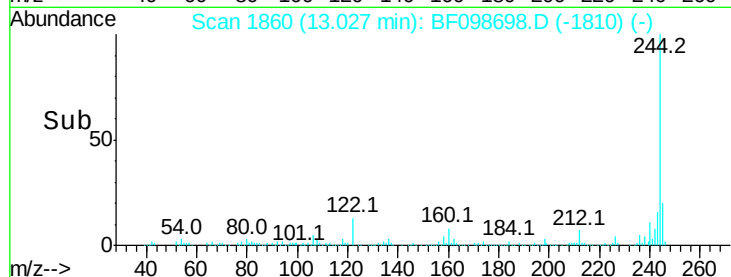
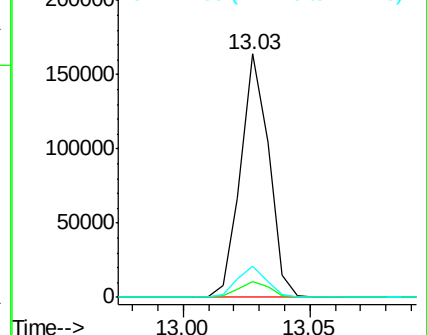
122 12.7 11.0 16.4



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: 2.048 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

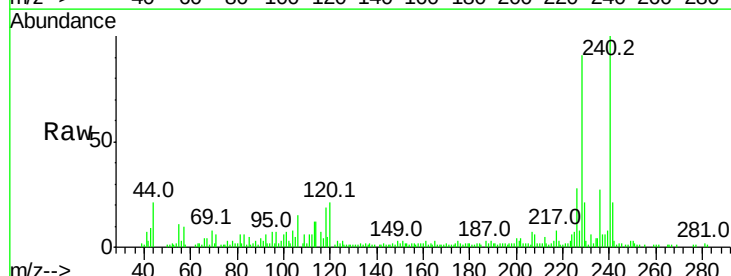
Tgt Ion:228 Resp: 40907

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

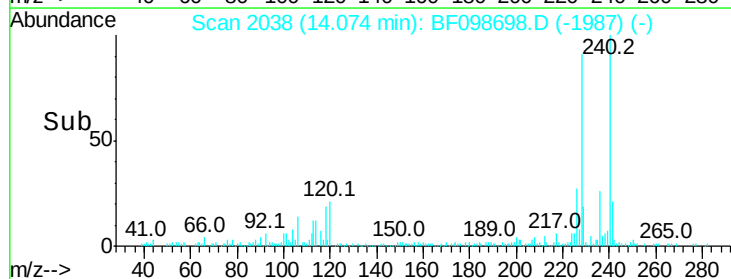
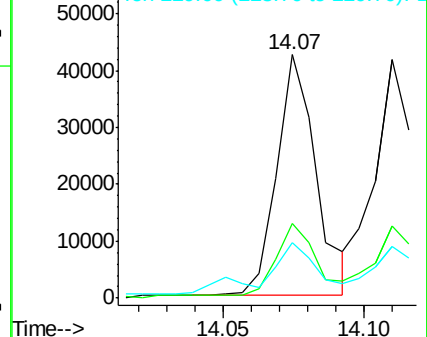
229 22.6 15.8 23.6

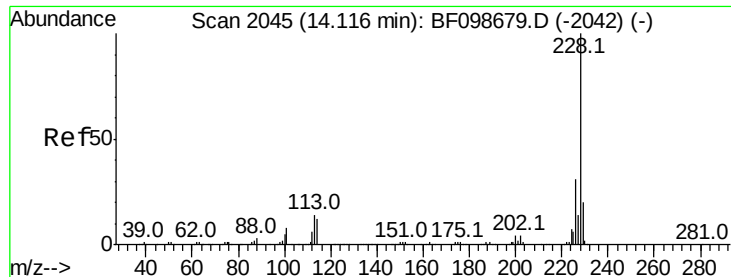


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.033 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

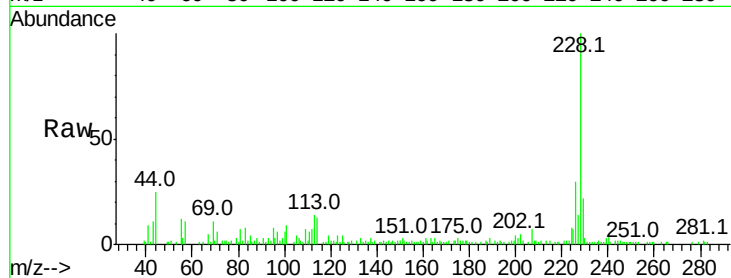
Tot Ion:228 Resp: 39221

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

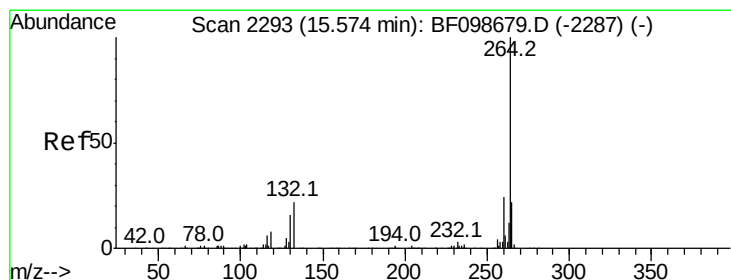
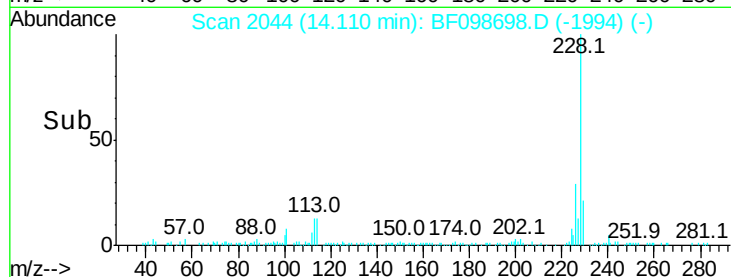
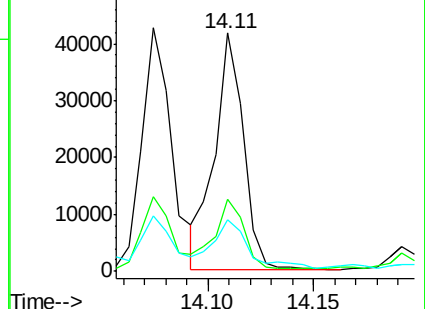
229 21.7 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

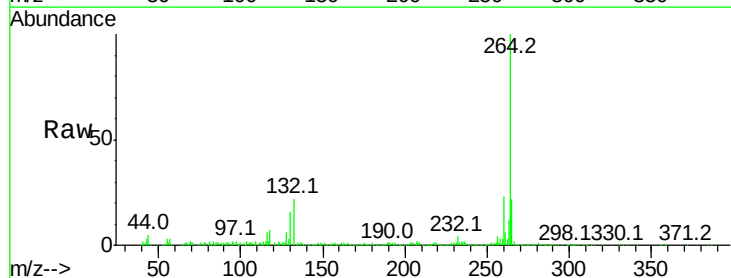
Tgt Ion:264 Resp: 326196

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

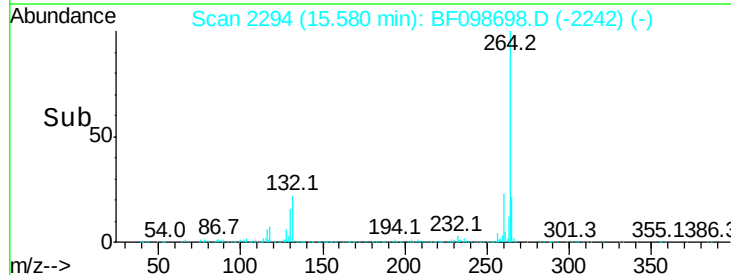
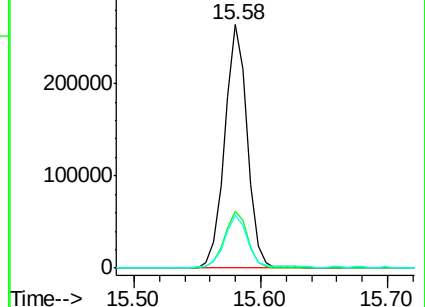
265 21.6 17.5 26.3

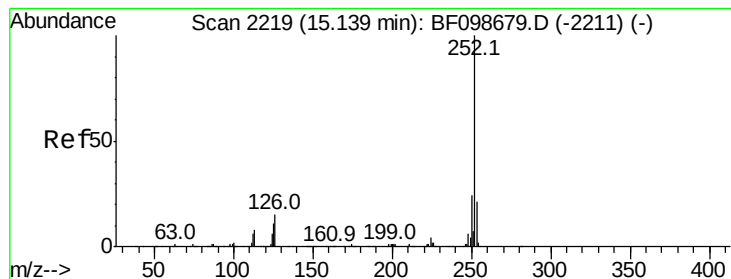


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.212 ng

RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

Instrument :

BNA_F

ClientSampleId :

SP-A-COMP

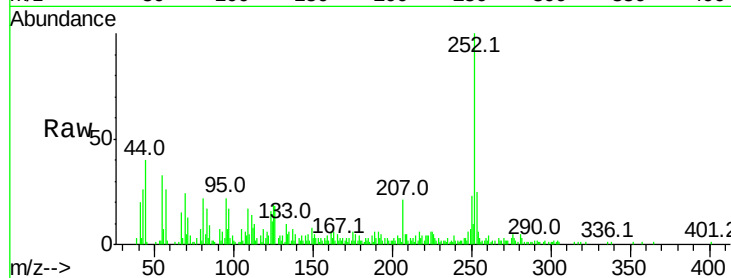
Tot Ion:252 Resp: 60765

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

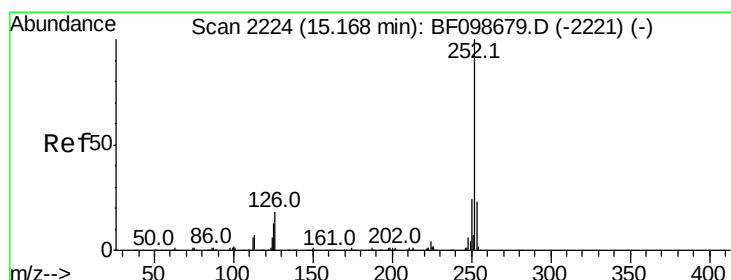
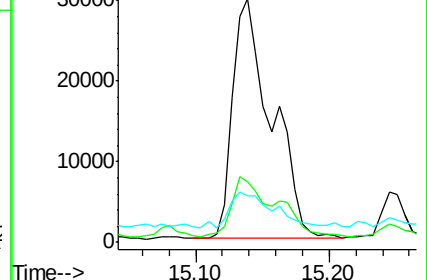
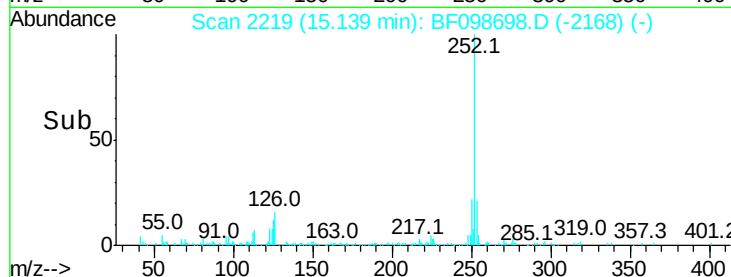
125 19.2 9.0 13.6#



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: 3.214 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098698.D

Acq: 22 Sep 2017 14:24

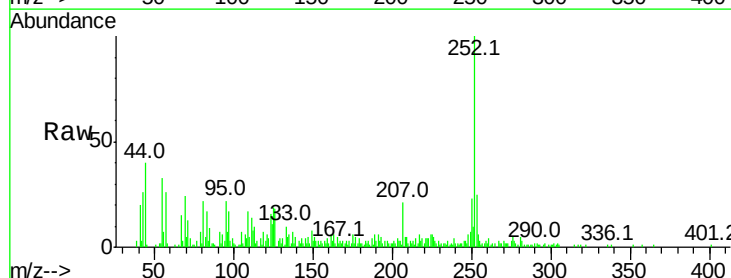
Tgt Ion:252 Resp: 60765

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

125 19.2 10.2 15.2#



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

