

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098488.D
 Acq On : 13 Sep 2017 14:23
 Operator : SJ/JU
 Sample : I5201-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 18:41:27 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	179790	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	757573	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	342643	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	618851	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	377442	20.00	ng	-0.02
86) Perylene-d12	15.20	264	362994	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	142720	11.74	ng	-0.02
7) Phenol-d6	6.30	99	218861	14.18	ng	-0.02
23) Nitrobenzene-d5	7.22	82	116881	8.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	37393	16.35	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	239170	11.83	ng	-0.02
78) Terphenyl-d14	12.74	244	194345	11.11	ng	-0.02

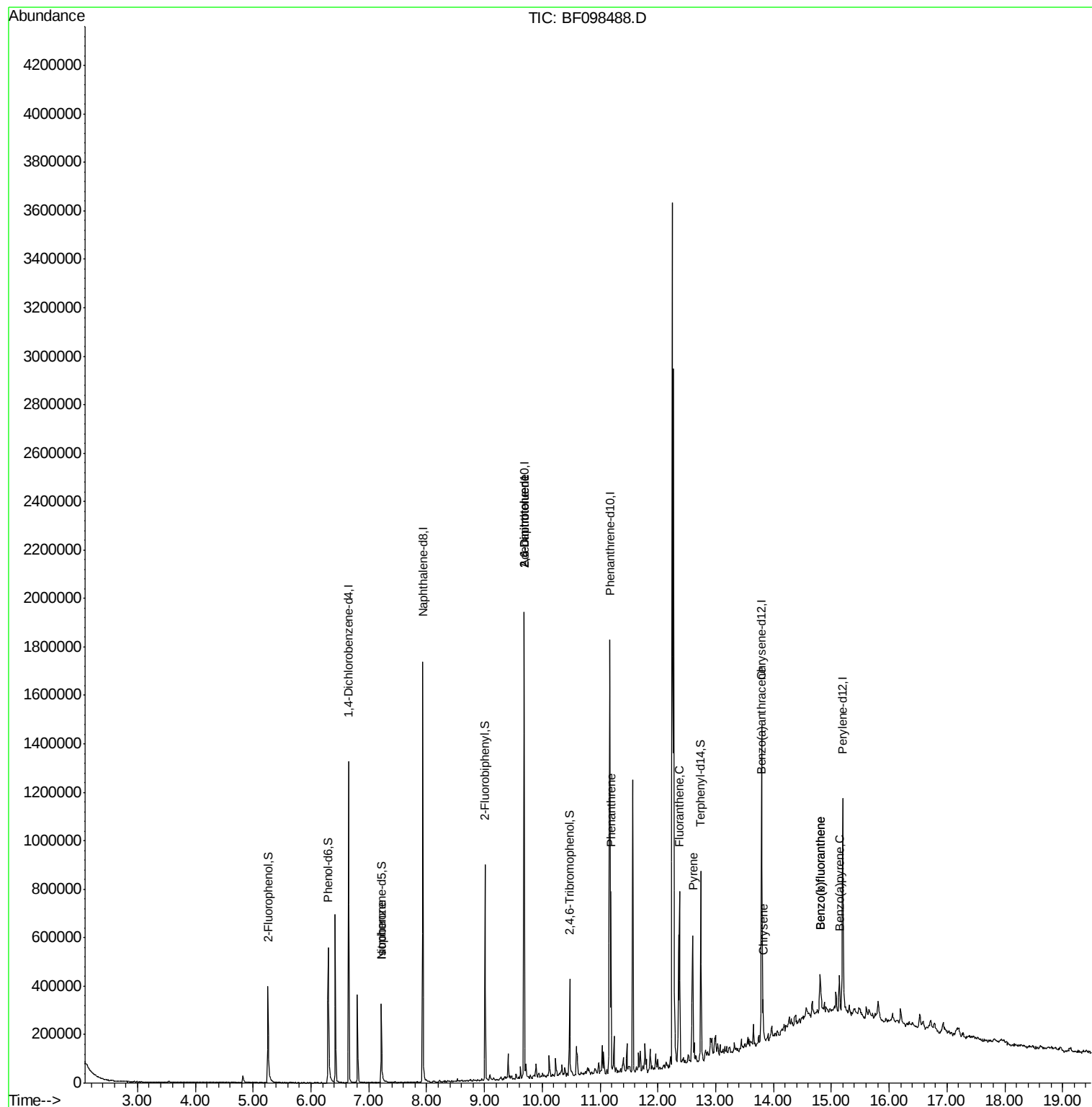
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.22	82	116880	4.251	ng	# 67
50) 2,6-Dinitrotoluene	9.69	165	44815	8.226	ng	# 35
56) 2,4-Dinitrotoluene	9.69	165	44815	6.766	ng	# 34
70) Phenanthrene	11.19	178	261878	7.982	ng	99
74) Fluoranthene	12.37	202	252999	7.703	ng	98
77) Pyrene	12.60	202	208992	7.019	ng	98
80) Benzo(a)anthracene	13.79	228	74235	3.355	ng	99
82) Chrysene	13.82	228	63793	2.852	ng	99
87) Benzo(b)fluoranthene	14.80	252	98529	4.317	ng	# 92
88) Benzo(k)fluoranthene	14.80	252	98529	4.624	ng	96
89) Benzo(a)pyrene	15.14	252	52357	2.575	ng	# 95

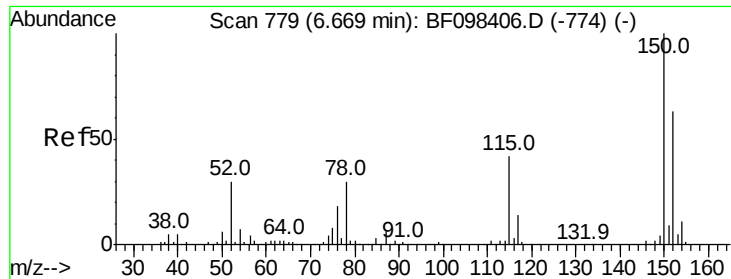
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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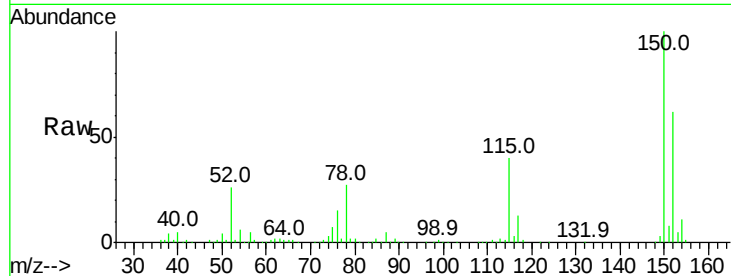


#1

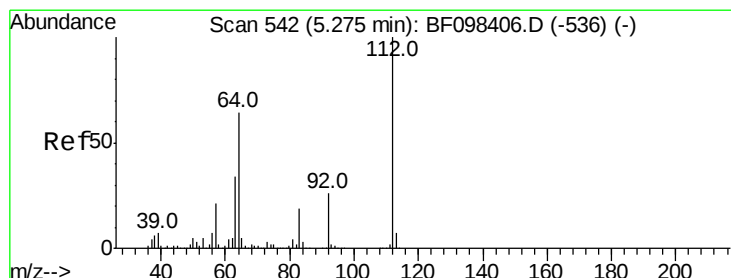
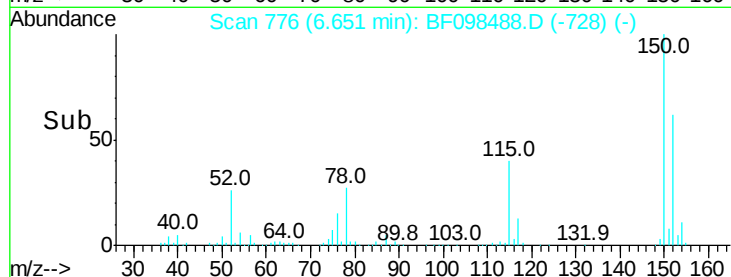
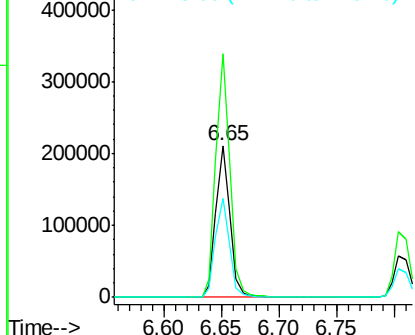
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 179790
Ion Ratio Lower Upper
152 100
150 160.2 126.2 189.2
115 64.9 52.2 78.2



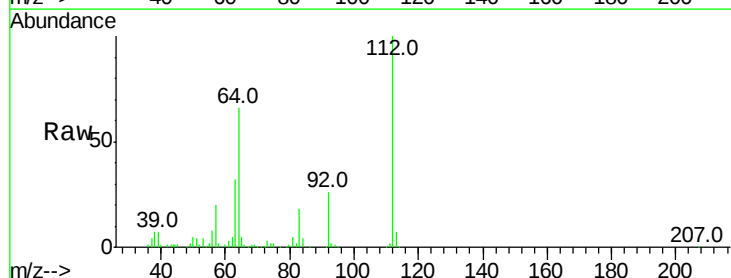
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



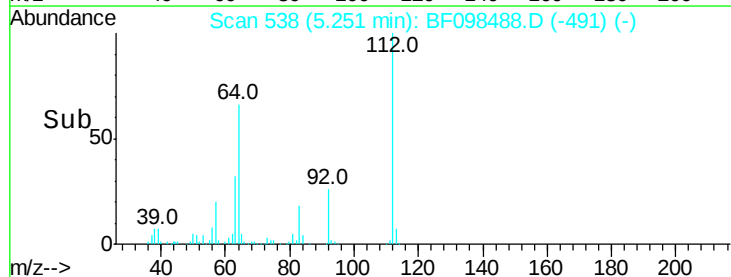
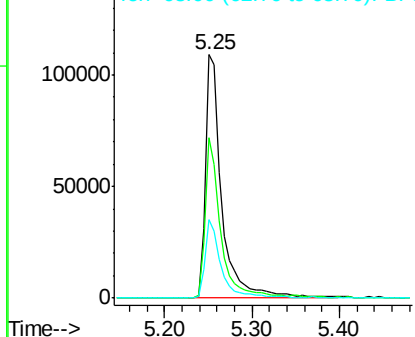
#5

2-Fluorophenol
Concen: 11.737 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Tgt Ion:112 Resp: 142720
Ion Ratio Lower Upper
112 100
64 65.9 46.0 69.0
63 32.2 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: 14.176 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampled :

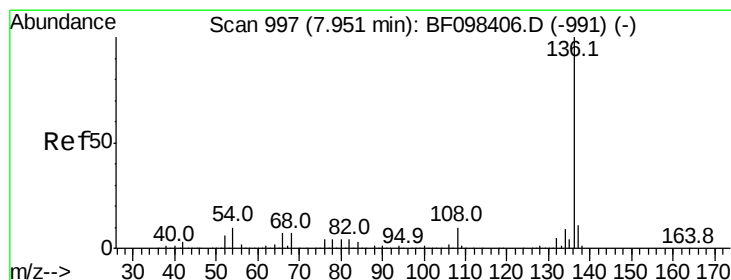
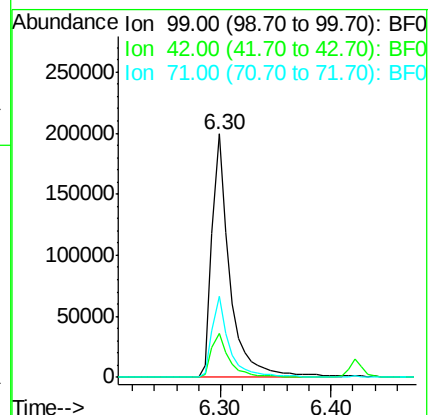
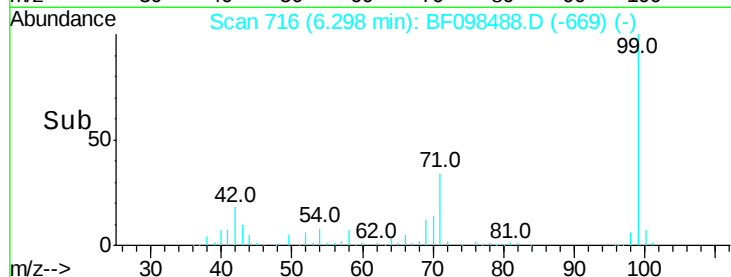
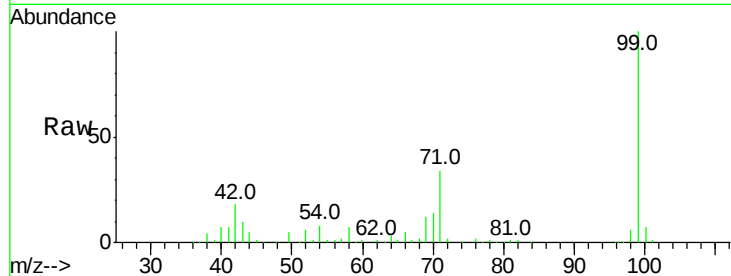
Tot Ion: 99 Resp: 218861

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

71 33.5 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Tgt Ion: 136 Resp: 757573

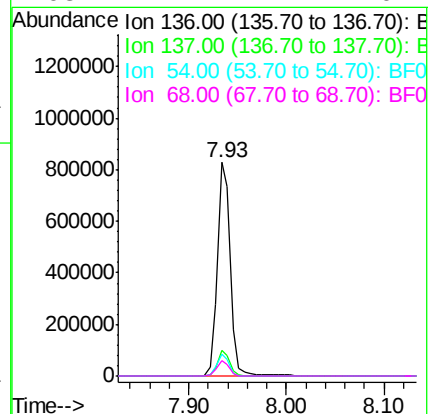
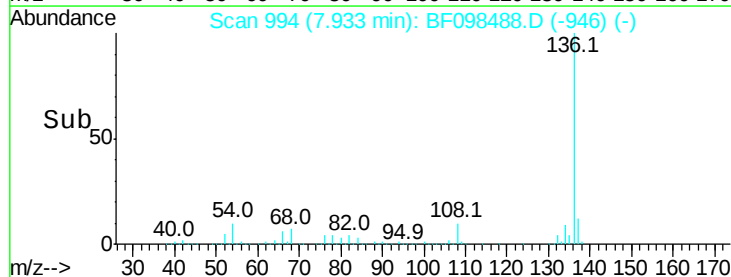
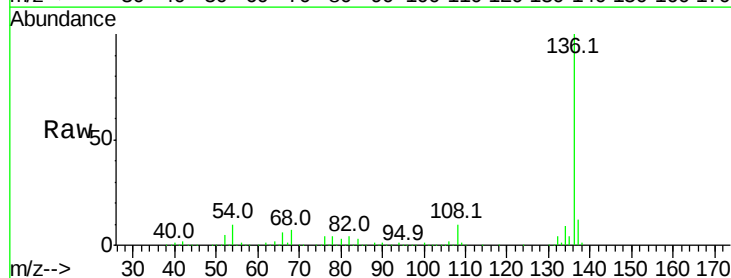
Ion Ratio Lower Upper

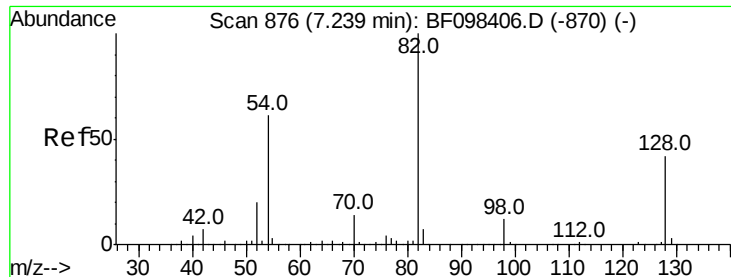
136 100

137 11.8 8.5 12.7

54 10.4 4.9 7.3#

68 7.2 4.1 6.1#

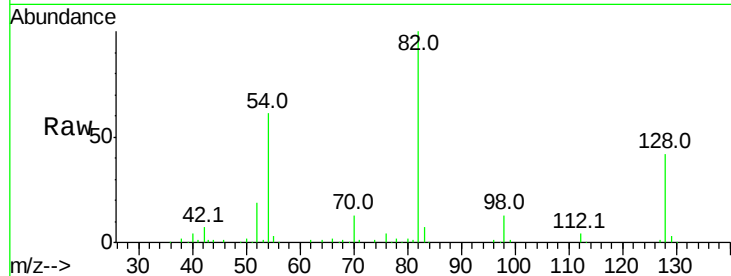




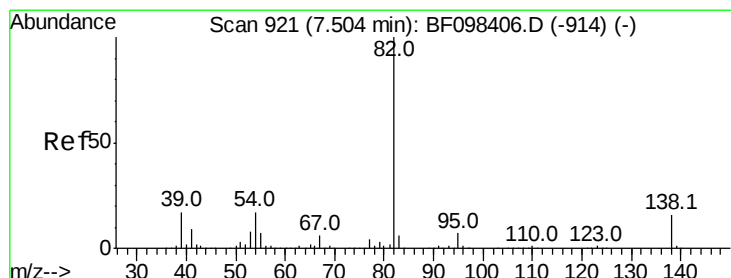
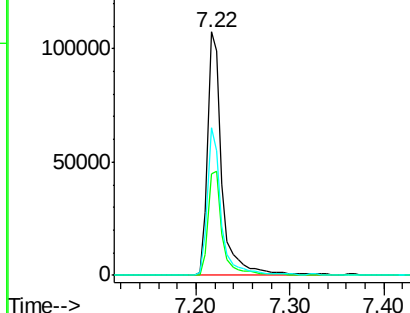
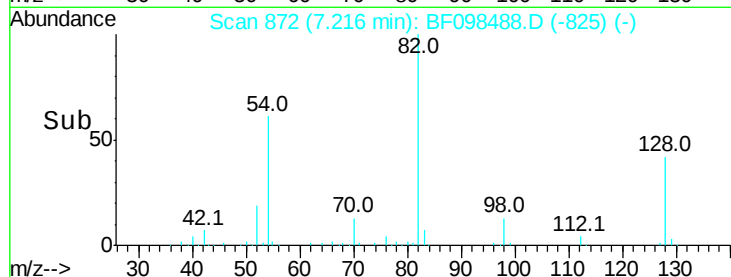
#23
 Nitrobenzene-d5
 Concen: 8.601 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	116881
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.0	51.0
54	60.7	42.2	63.2

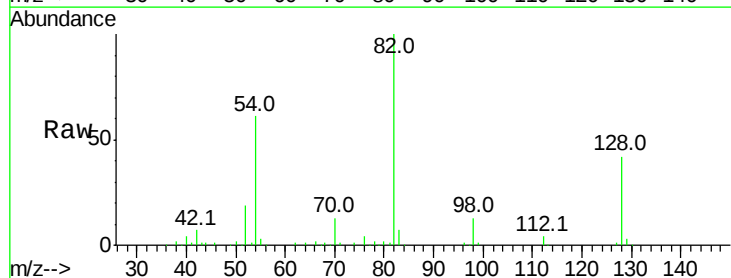


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

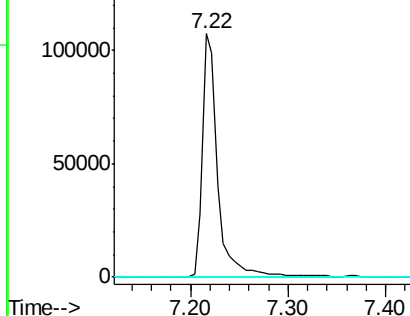
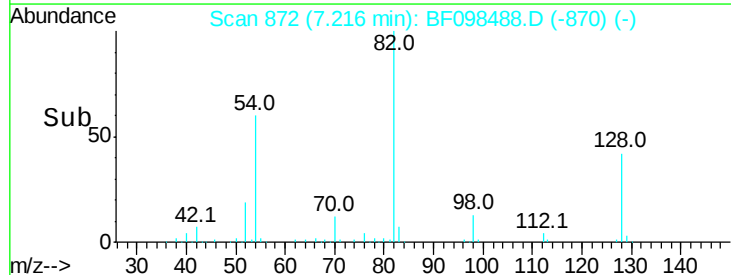


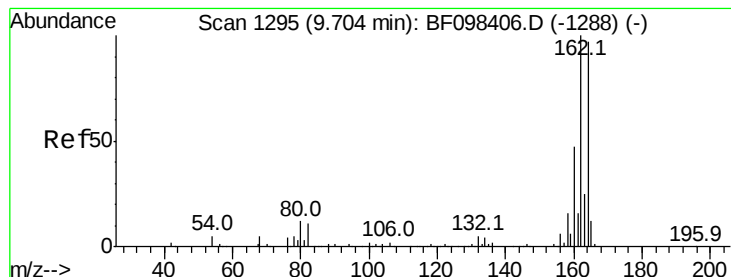
#25
 Isophorone
 Concen: 4.251 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.29 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Tgt Ion	82	Resp	116880
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



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: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

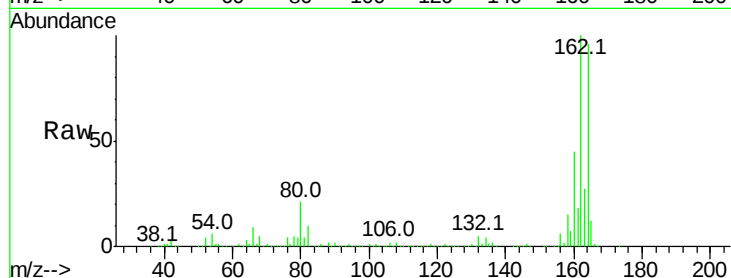
Tot Ion:164 Resp: 342643

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

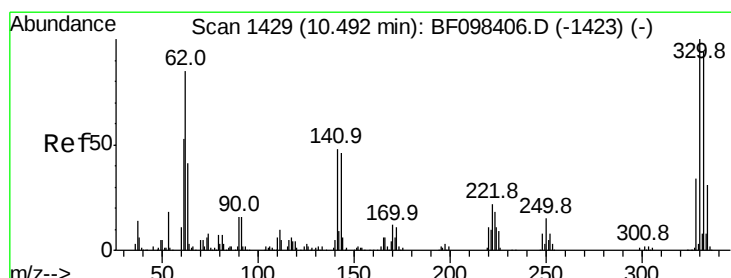
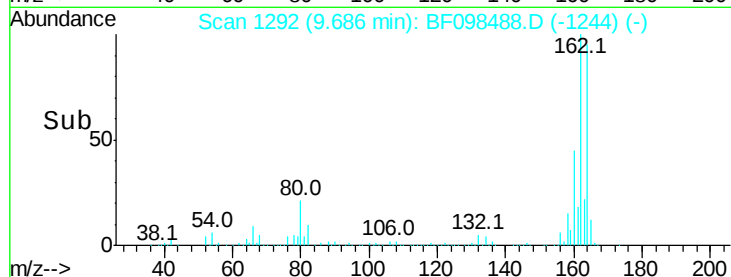
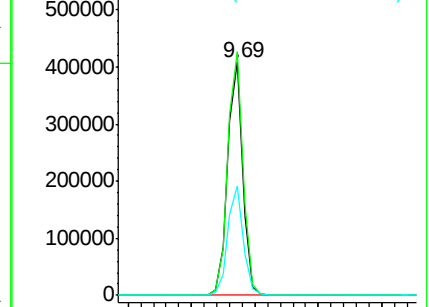
160 46.9 36.2 54.2



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: 16.351 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

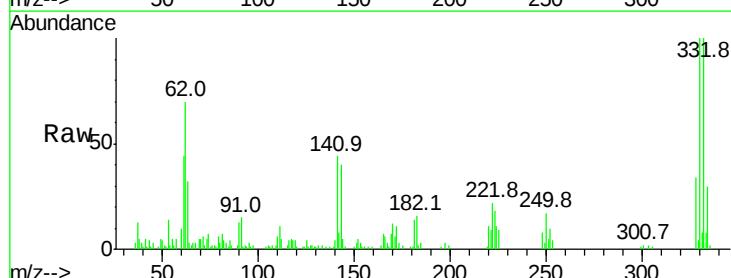
Tgt Ion:330 Resp: 37393

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

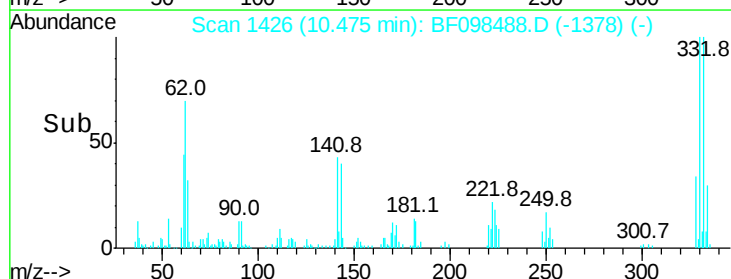
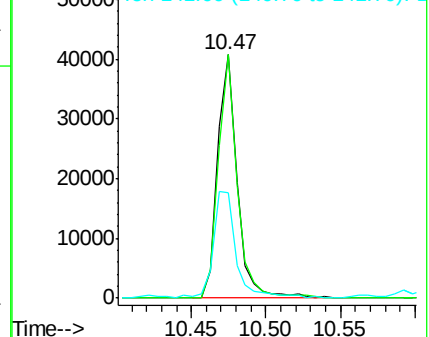
141 51.0 31.4 47.2#

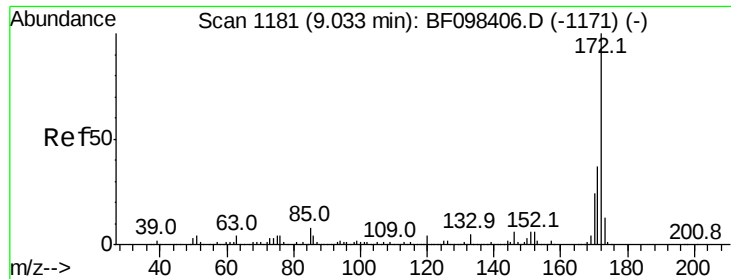


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

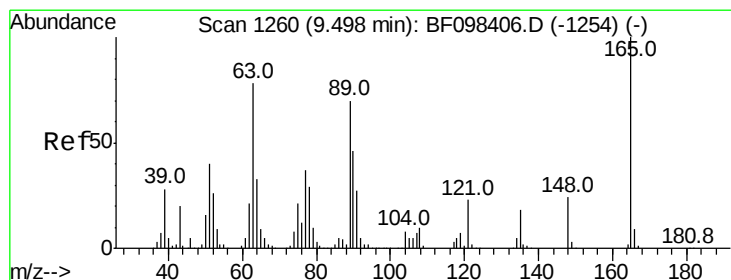
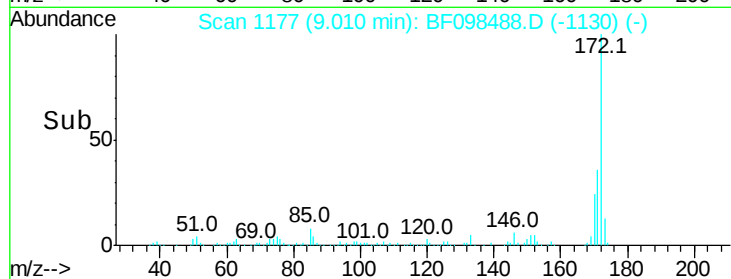
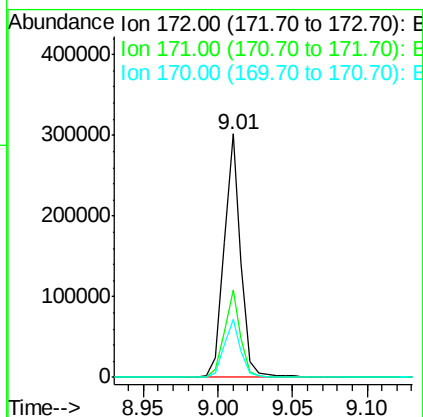
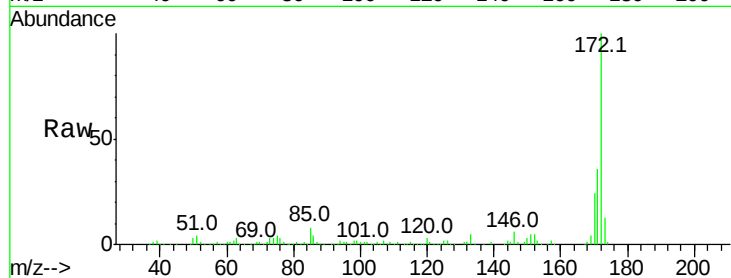




#44
 2-Fluorobiphenyl
 Concen: 11.831 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

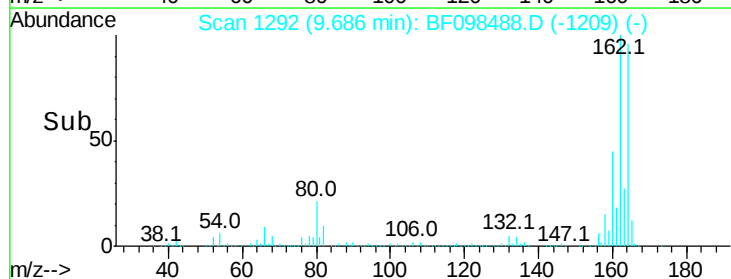
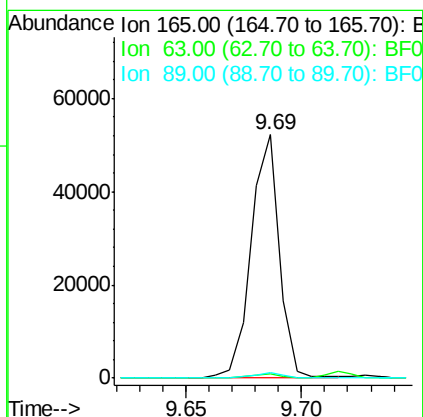
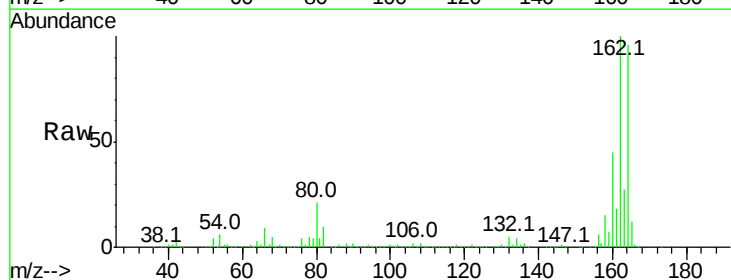
Instrument :
 BNA_F
 ClientSampleId :

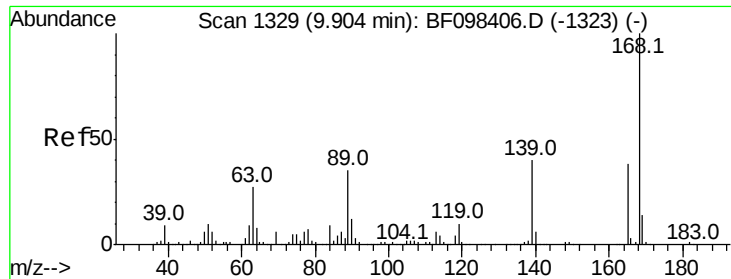
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.7	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.226 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.19 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	2.2	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 6.766 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.22 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 44815

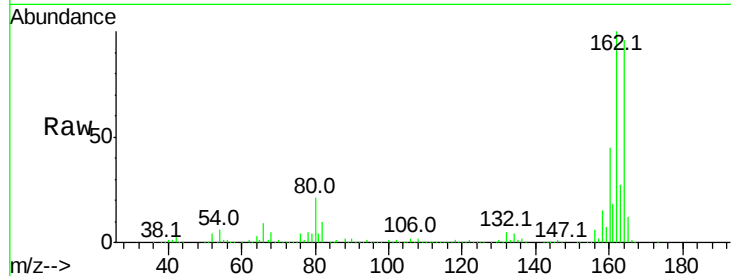
Ion Ratio Lower Upper

165 100

63 1.9 25.4 38.0#

89 2.2 46.4 69.6#

182 0.0 1.8 2.6#

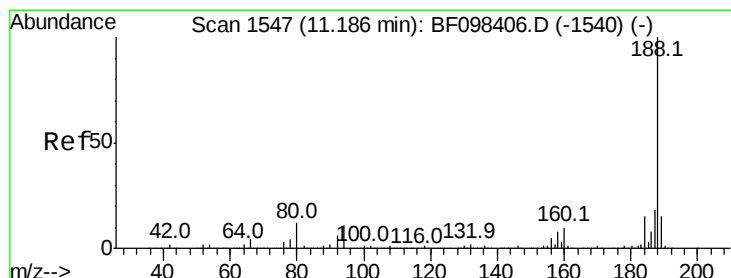
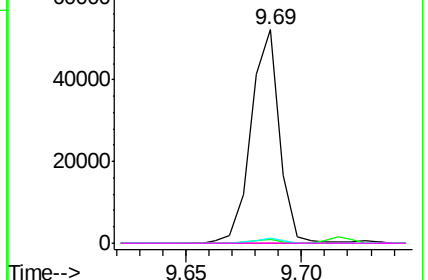
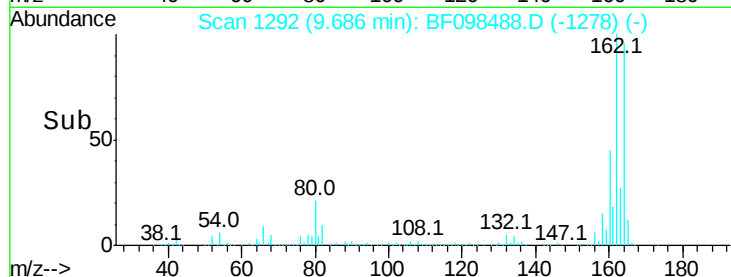


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

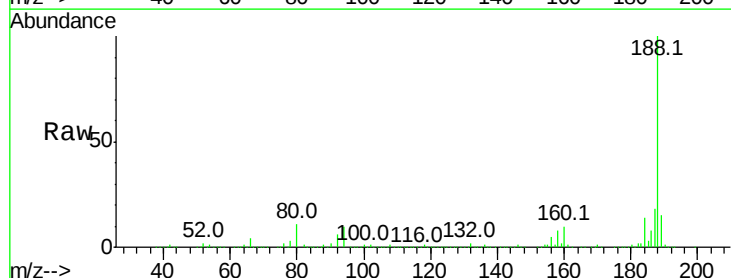
Tgt Ion:188 Resp: 618851

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

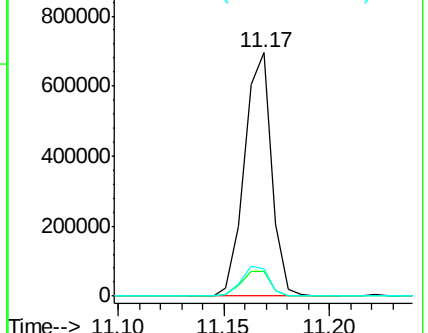
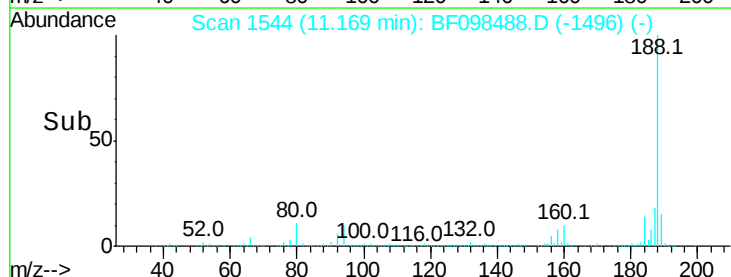
80 11.3 10.2 15.2

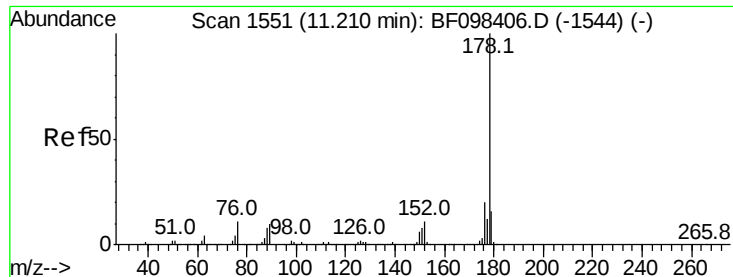


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.982 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

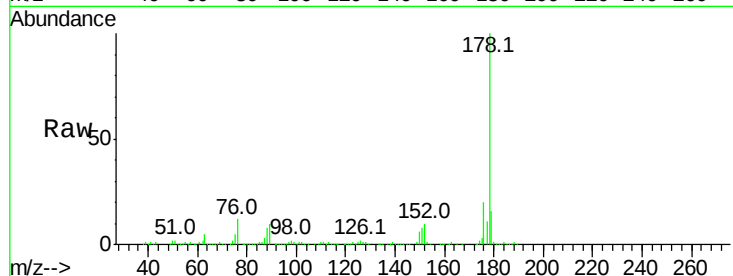
Tot Ion:178 Resp: 261878

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

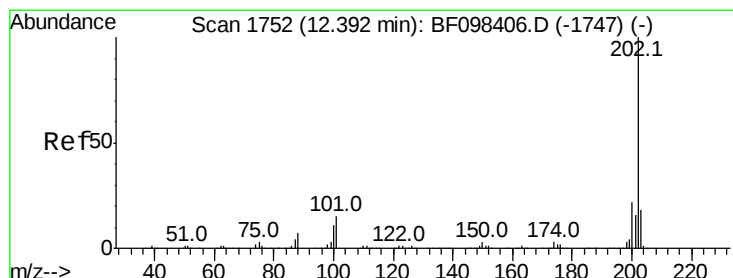
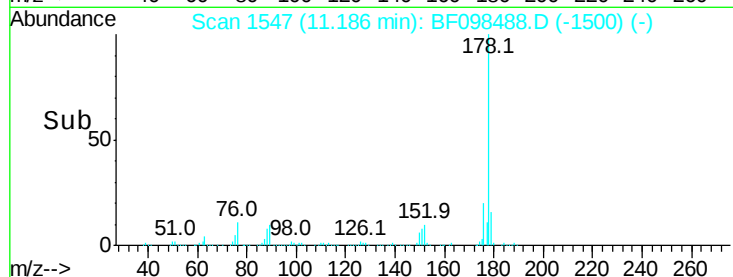
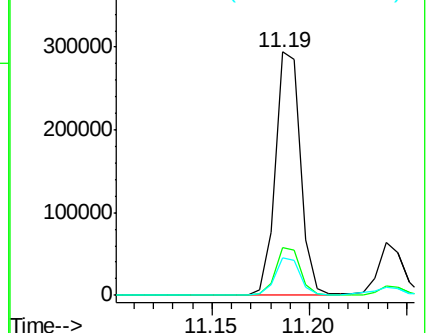
179 15.6 12.6 19.0



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: 7.703 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

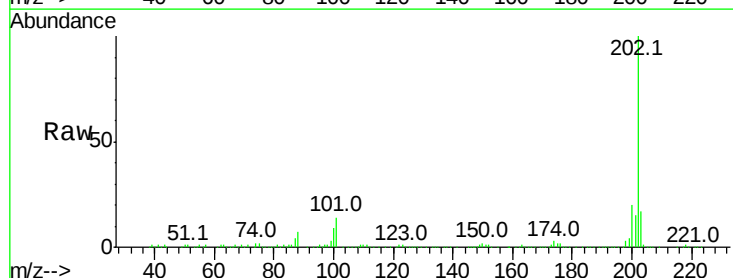
Tgt Ion:202 Resp: 252999

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

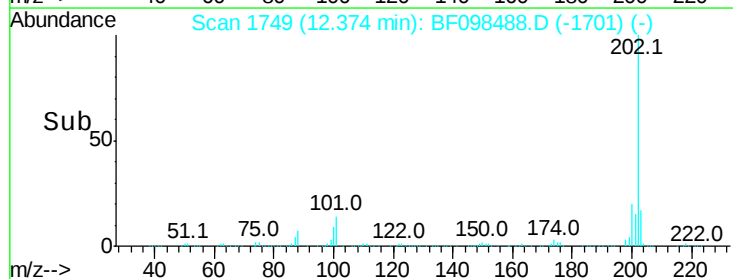
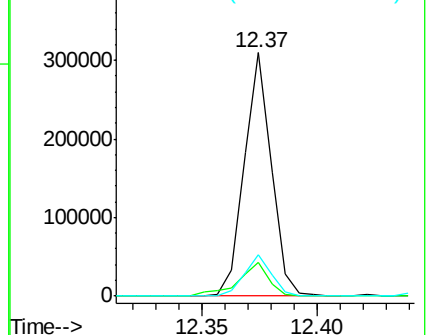
203 17.0 0.0 38.1

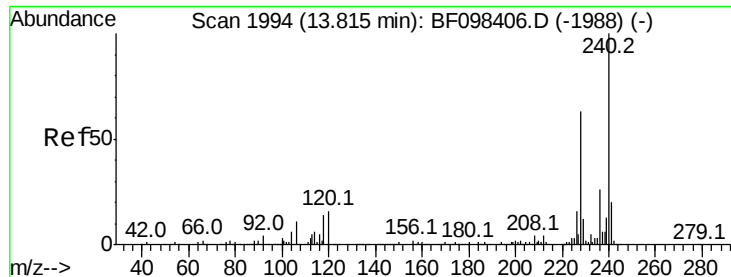


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

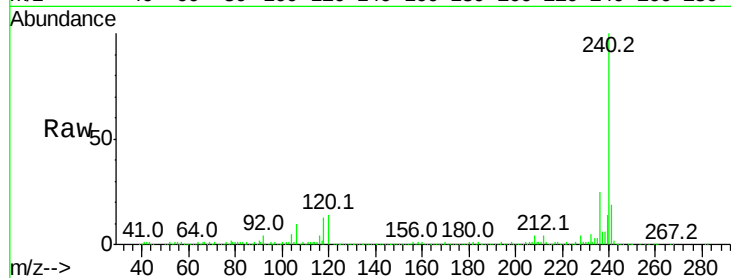
Tot Ion:240 Resp: 377442

Ion Ratio Lower Upper

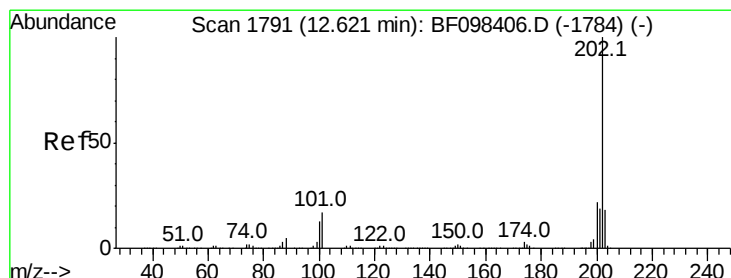
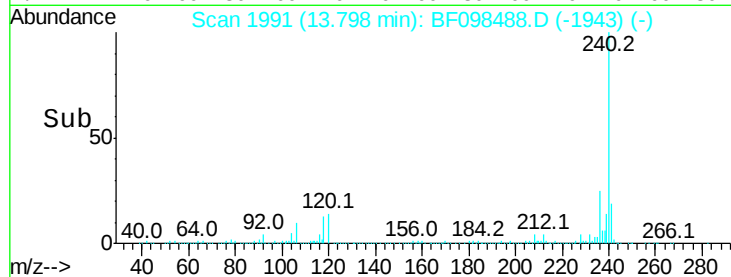
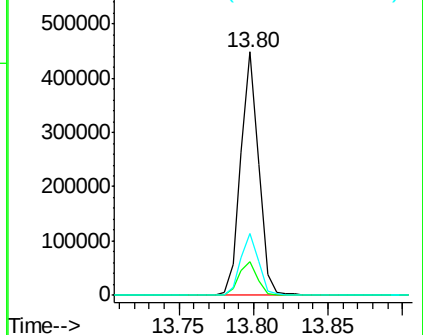
240 100

120 13.9 5.8 8.8#

236 25.3 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: 7.019 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

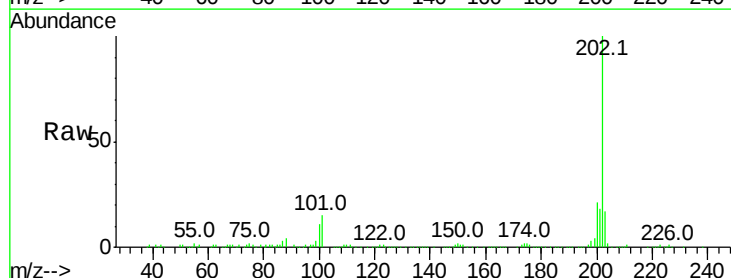
Tgt Ion:202 Resp: 208992

Ion Ratio Lower Upper

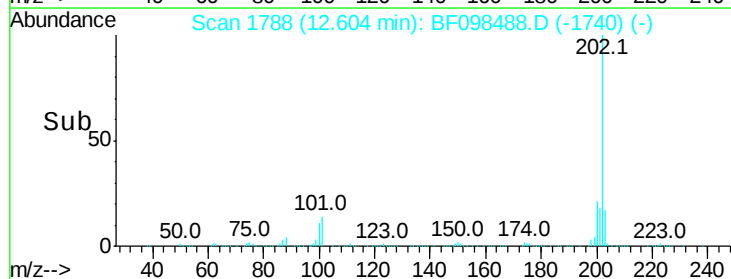
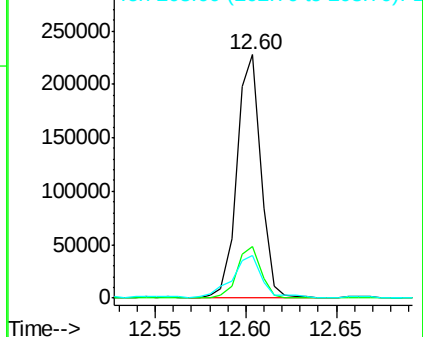
202 100

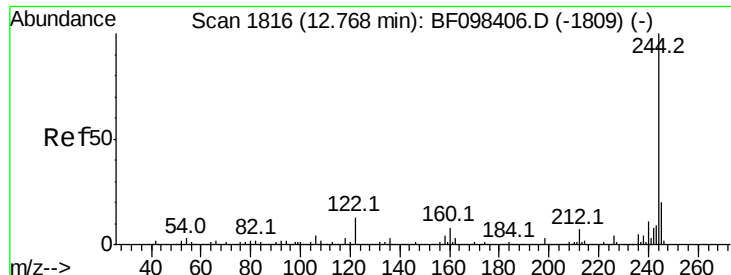
200 21.1 17.6 26.4

203 17.4 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: 11.114 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

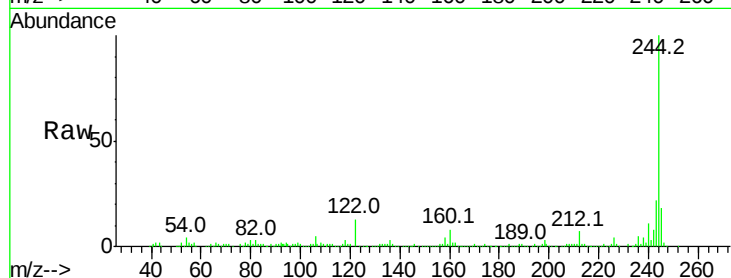
Tot Ion:244 Resp: 194345

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

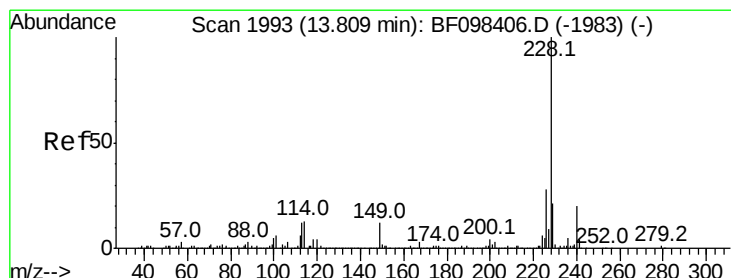
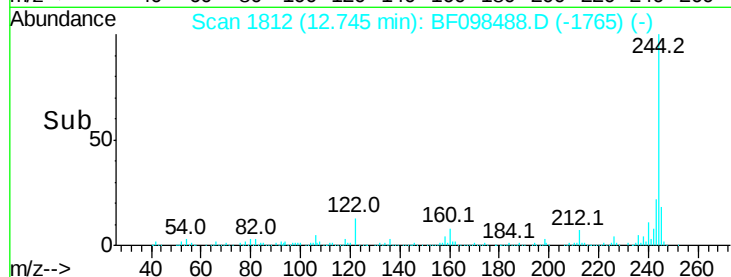
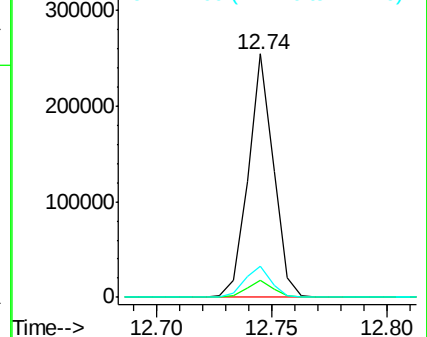
122 13.0 10.3 15.5



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: 3.355 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

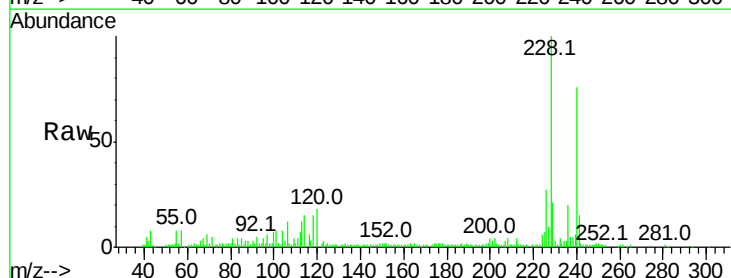
Tgt Ion:228 Resp: 74235

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

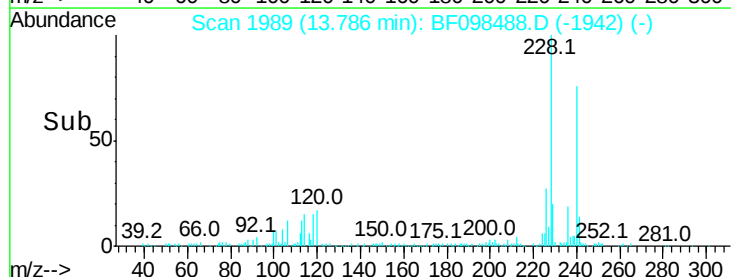
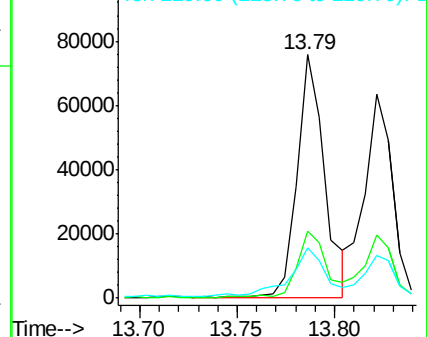
229 20.8 16.3 24.5

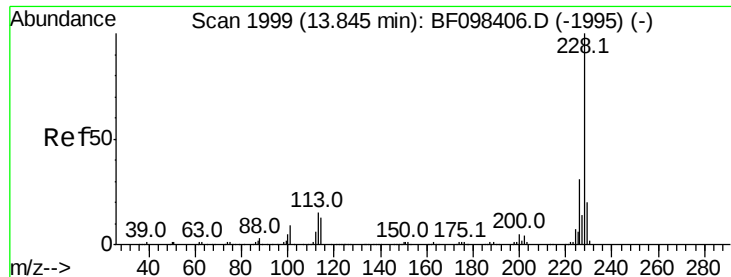


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.852 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampled :

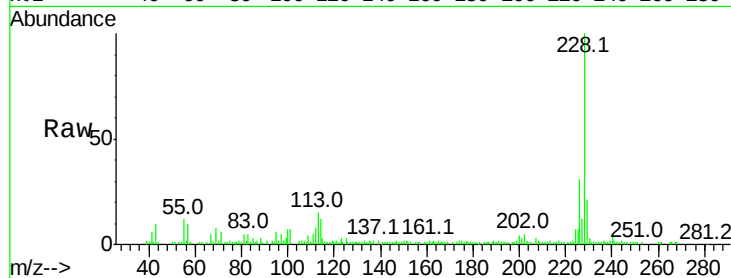
Tot Ion:228 Resp: 63793

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

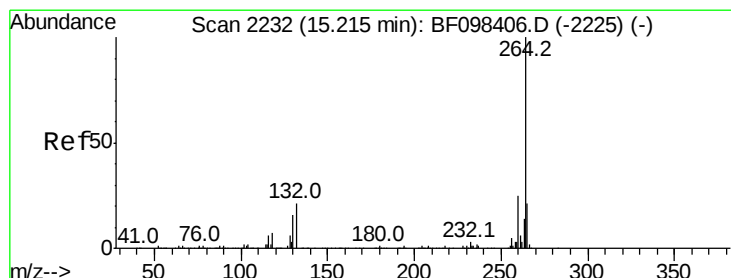
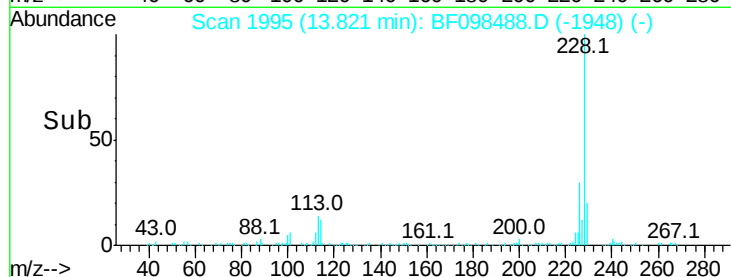
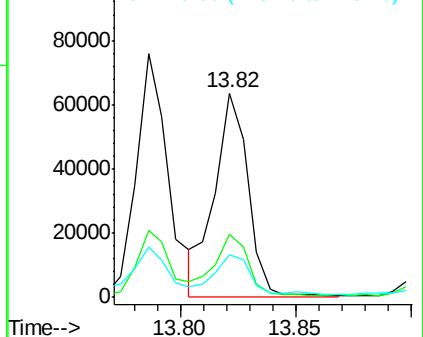
229 20.7 15.8 23.6



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: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

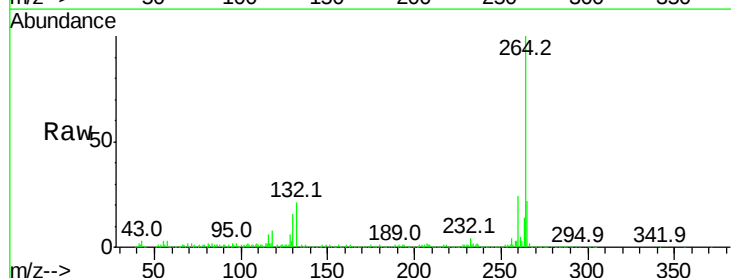
Tgt Ion:264 Resp: 362994

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

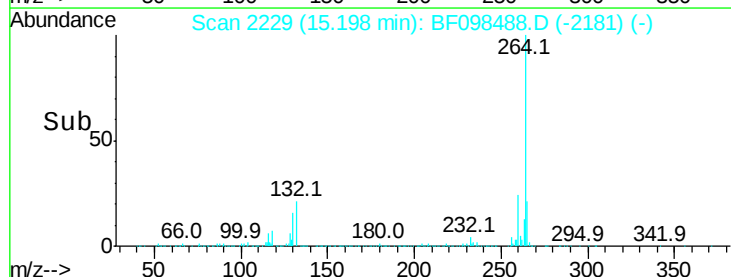
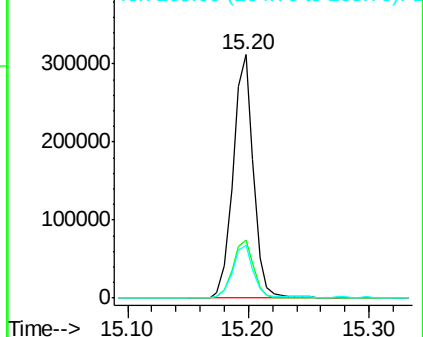
265 21.5 17.2 25.8

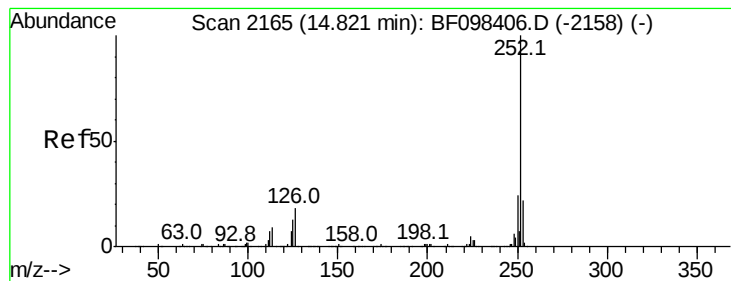


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.317 ng

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF098488.D

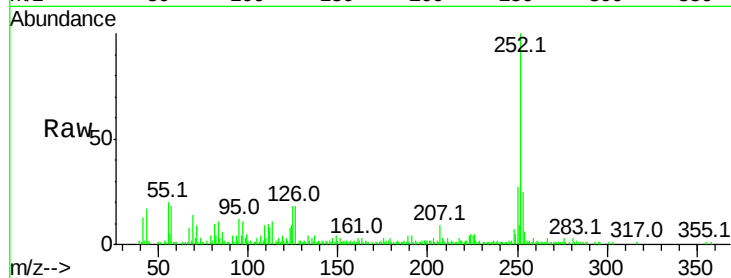
Acq: 13 Sep 2017 14:23

Instrument :

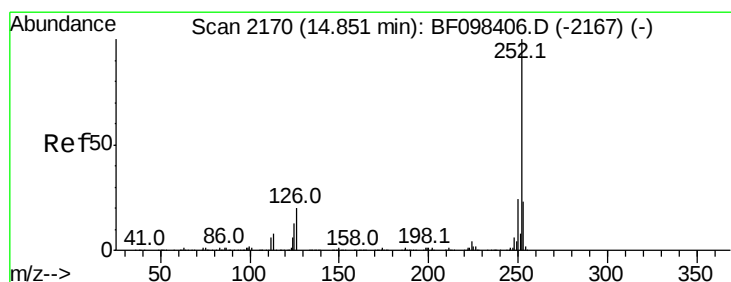
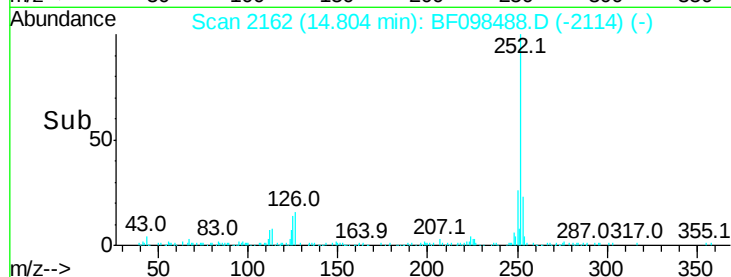
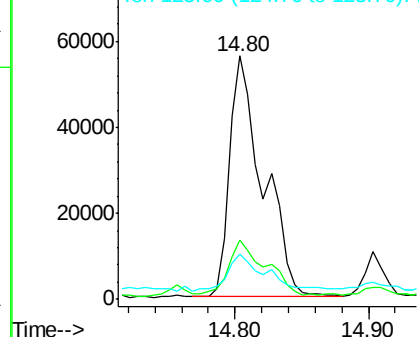
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	98529
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.1 27.1
125	18.4	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: 4.624 ng

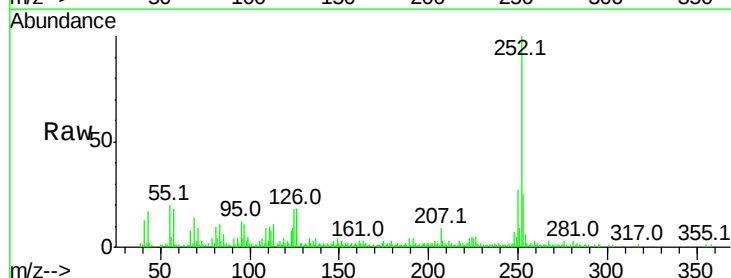
RT: 14.80 min Scan# 2162

Delta R.T. -0.05 min

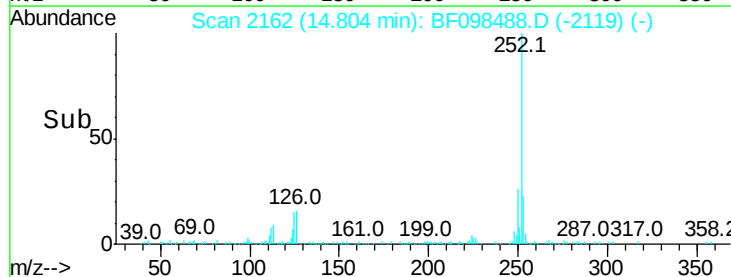
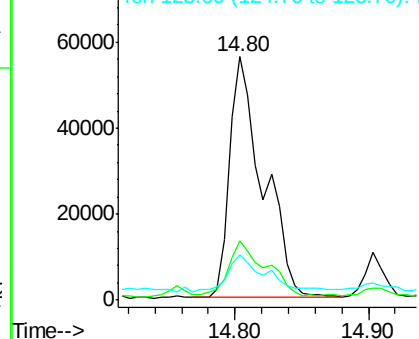
Lab File: BF098488.D

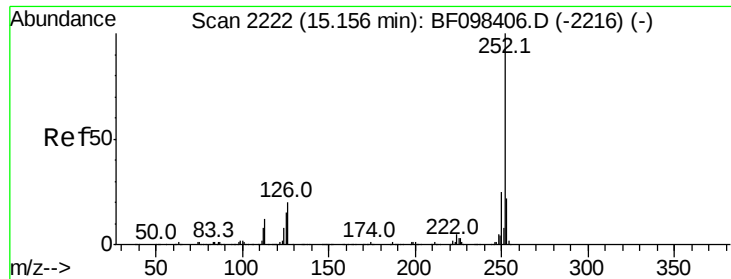
Acq: 13 Sep 2017 14:23

Tgt Ion:252	Resp:	98529
Ion Ratio	Lower	Upper
252	100	
253	24.5	18.4 27.6
125	18.4	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: 2.575 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 52357

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 18.0 11.0 16.4#

