

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098554.D
 Acq On : 15 Sep 2017 3:32
 Operator : SJ/JU
 Sample : I5216-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-091217-A

Quant Time: Sep 15 05:07:10 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

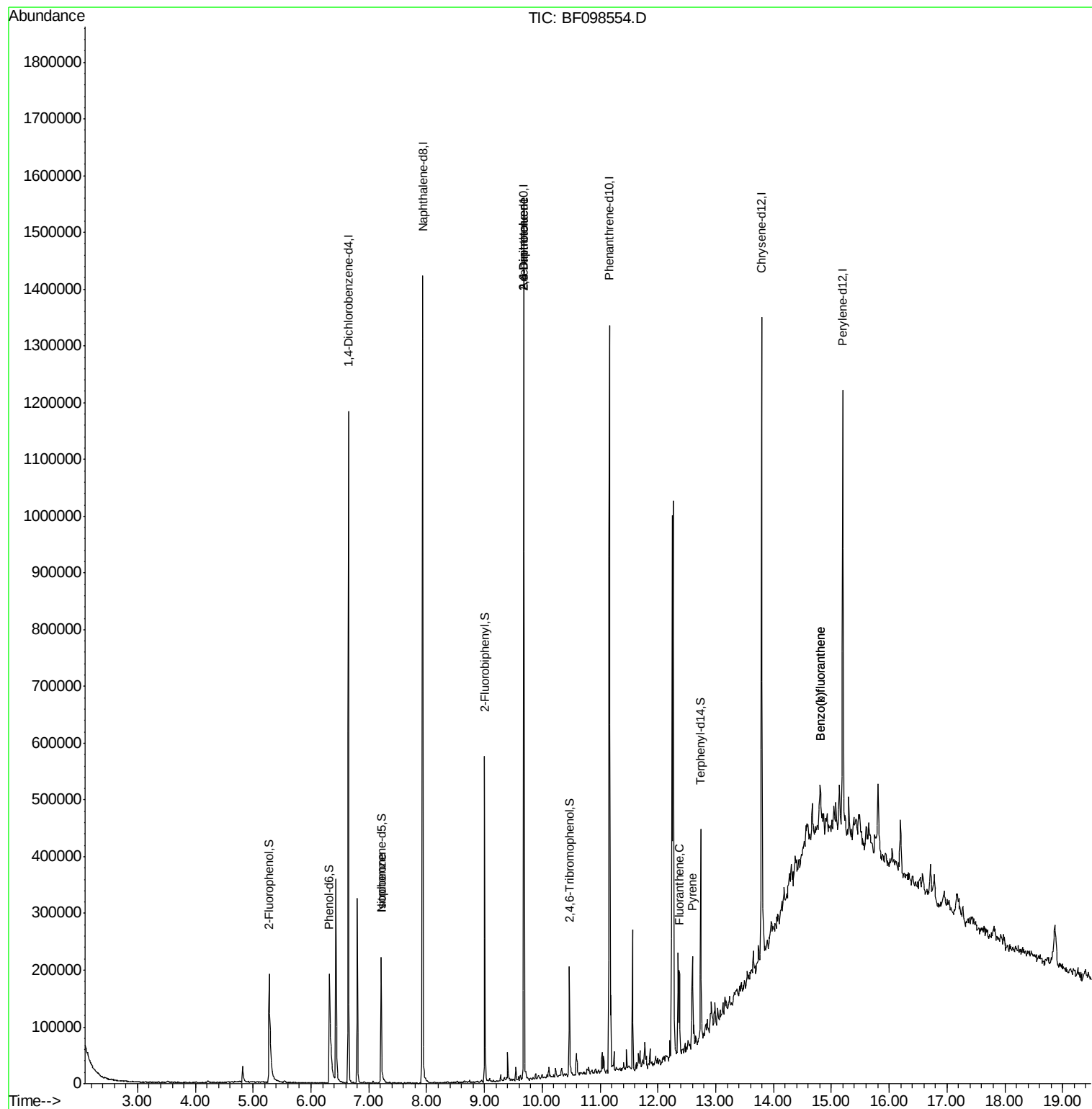
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	158546	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	650205	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	270767	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	436125	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	355577	20.00	ng	-0.02
86) Perylene-d12	15.20	264	317034	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	103685	9.67	ng	0.00
7) Phenol-d6	6.32	99	135071	9.92	ng	0.00
23) Nitrobenzene-d5	7.22	82	78055	6.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	19623	10.86	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	156076	9.77	ng	-0.03
78) Terphenyl-d14	12.74	244	108416	6.58	ng	-0.02
Target Compounds						
25) Isophorone	7.22	82	75675	3.207	ng	# 67
50) 2,6-Dinitrotoluene	9.68	165	34820	8.088	ng	# 34
56) 2,4-Dinitrotoluene	9.68	165	34820	6.652	ng	# 34
74) Fluoranthene	12.37	202	59880	2.587	ng	96
77) Pyrene	12.60	202	59144	2.109	ng	99
87) Benzo(b)fluoranthene	14.80	252	44023	2.208	ng	# 80
88) Benzo(k)fluoranthene	14.80	252	44023	2.366	ng	# 85

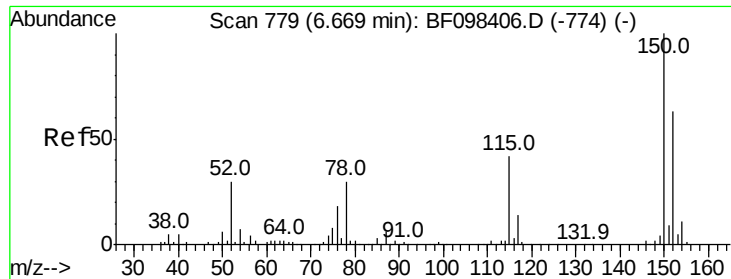
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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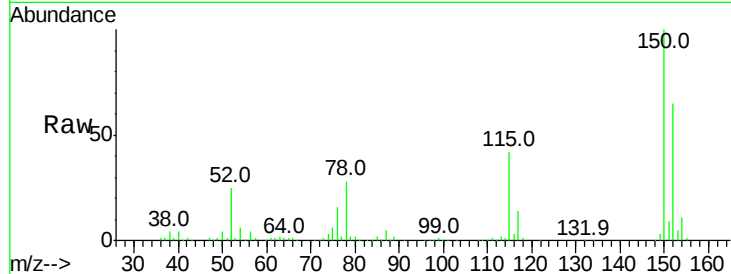


#1

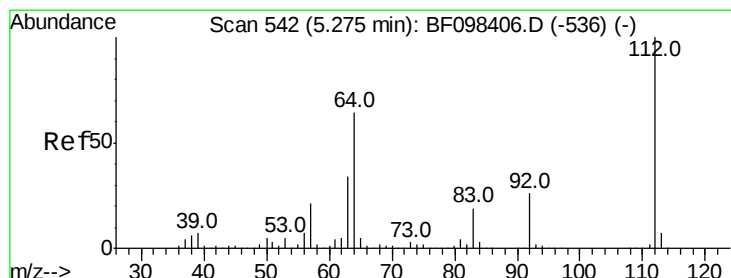
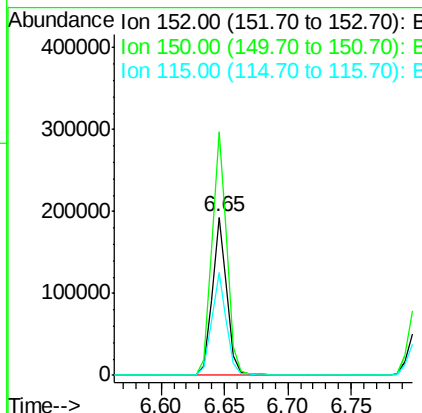
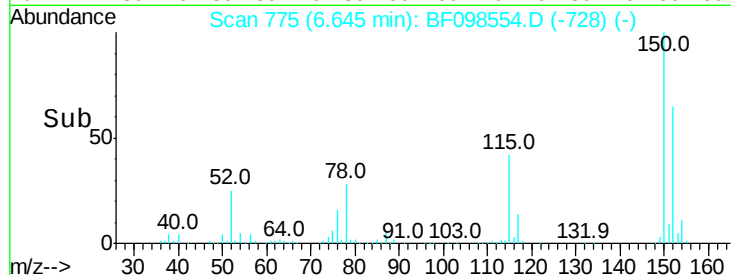
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

Instrument :
BNA_F
ClientSampleId :
EO-02-091217-A

Tot Ion:152 Resp: 158546
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 65.2 52.2 78.2



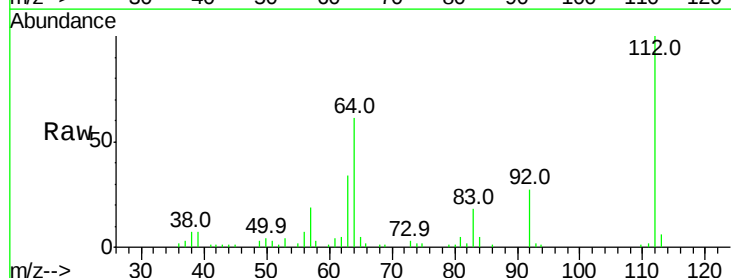
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



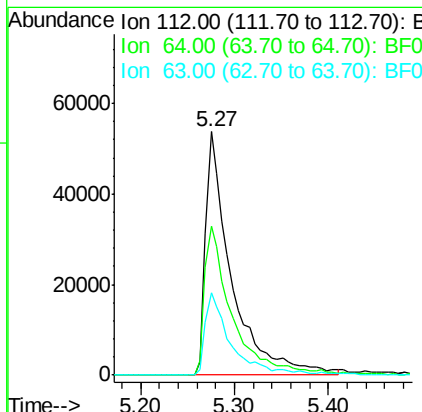
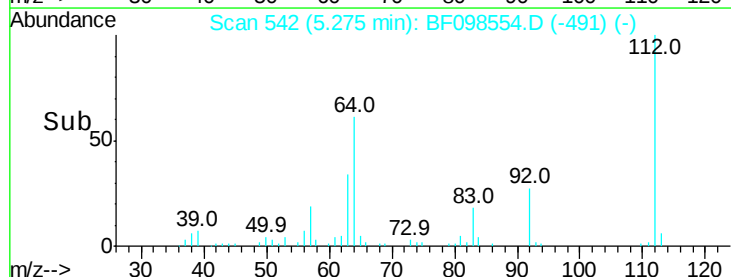
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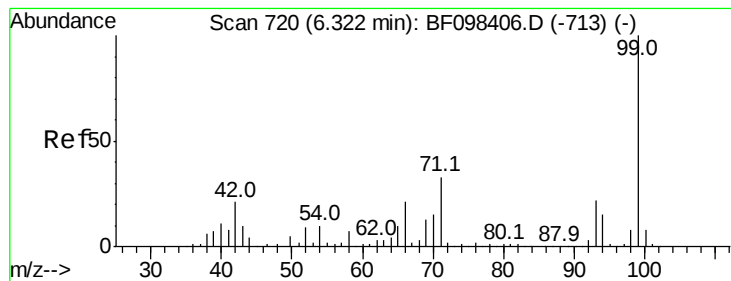
2-Fluorophenol
Concen: 9.669 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

Tgt Ion:112 Resp: 103685
Ion Ratio Lower Upper
112 100
64 61.3 46.0 69.0
63 33.6 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: 9.921 ng

RT: 6.32 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Instrument :

BNA_F

ClientSampleId :

EO-02-091217-A

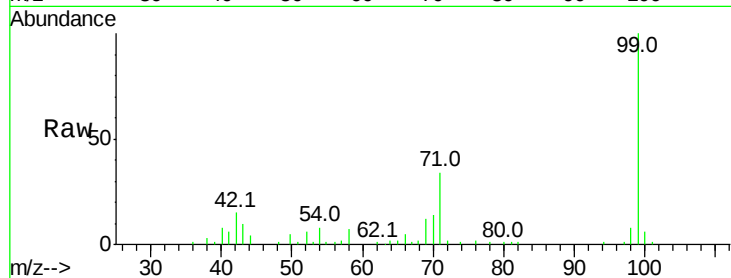
Tot Ion: 99 Resp: 135071

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

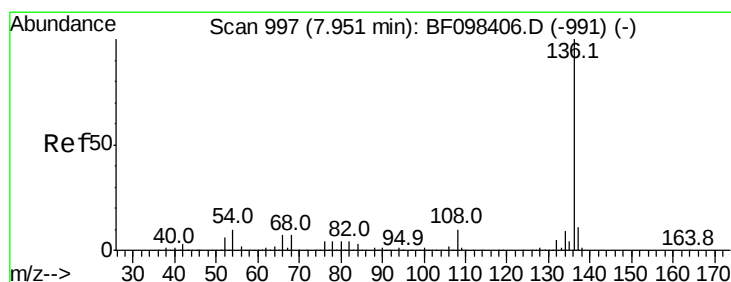
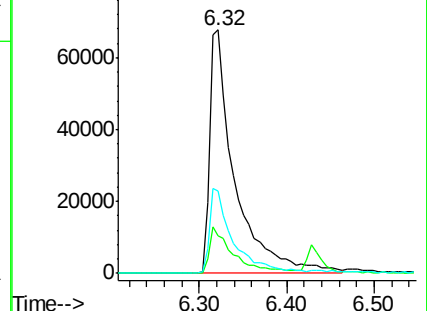
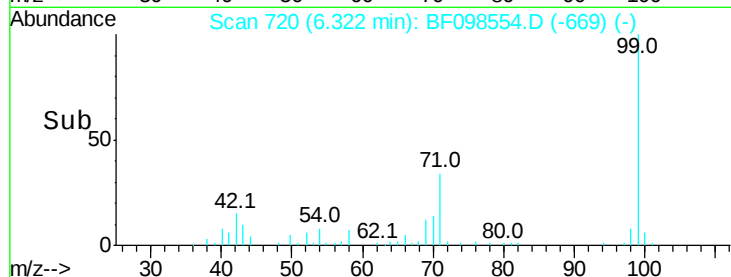
71 33.6 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Tgt Ion: 136 Resp: 650205

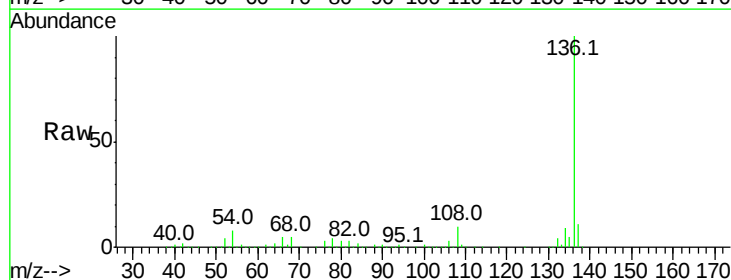
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 8.1 4.9 7.3#

68 5.4 4.1 6.1

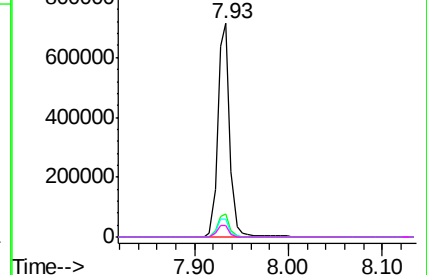
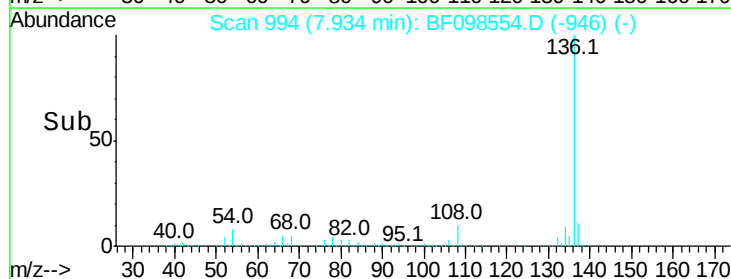


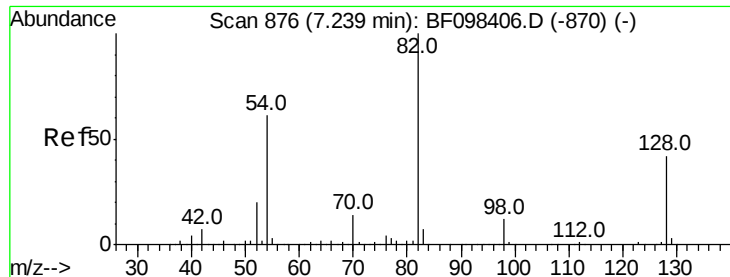
Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.693 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Instrument :

BNA_F

ClientSampleId :

EO-02-091217-A

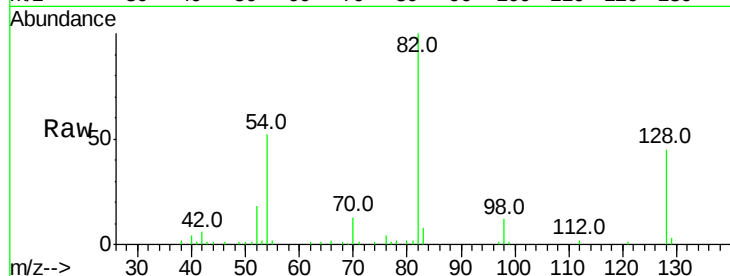
Tot Ion: 82 Resp: 78055

Ion Ratio Lower Upper

82 100

128 45.0 34.0 51.0

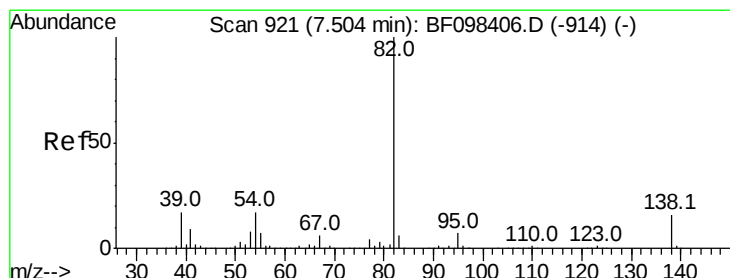
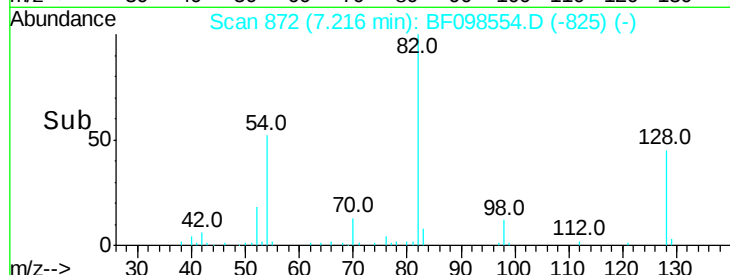
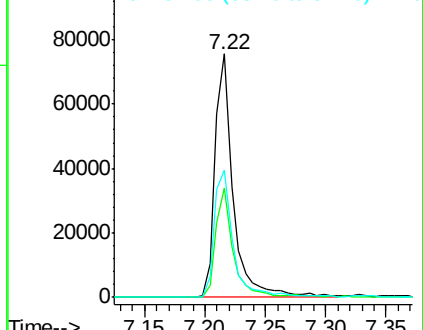
54 52.3 42.2 63.2



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: 3.207 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.29 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

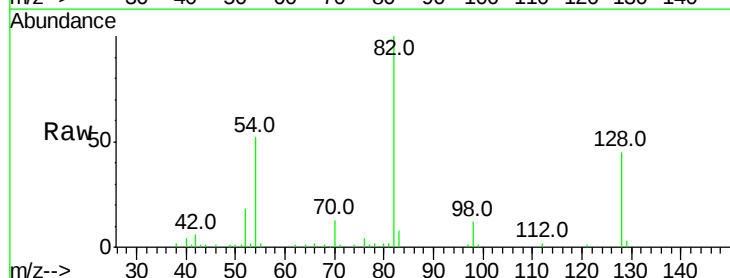
Tgt Ion: 82 Resp: 75675

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

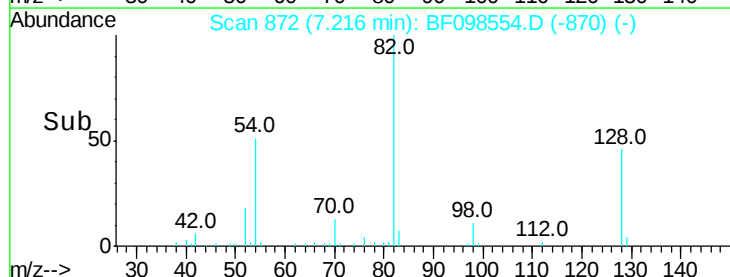
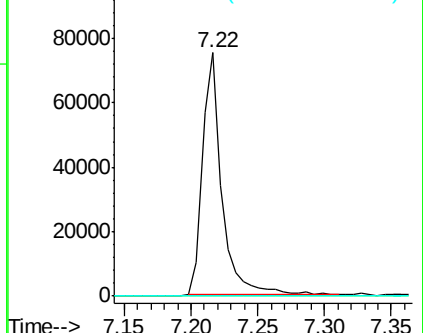
138 0.0 13.1 19.7#

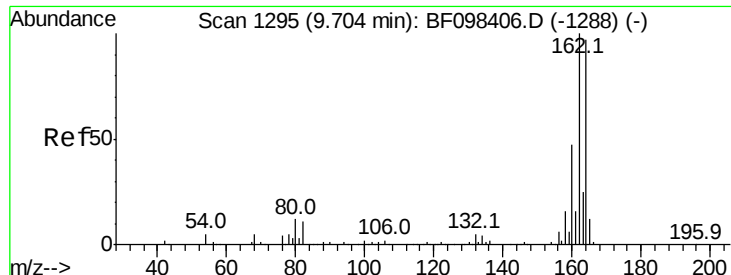


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

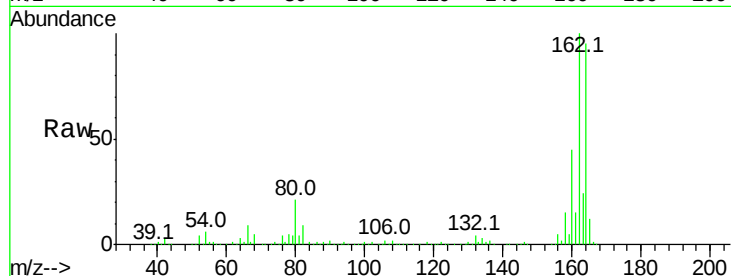




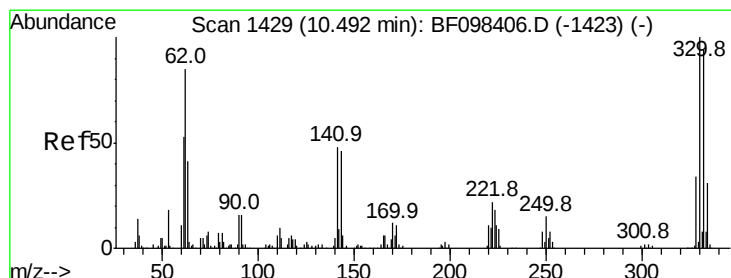
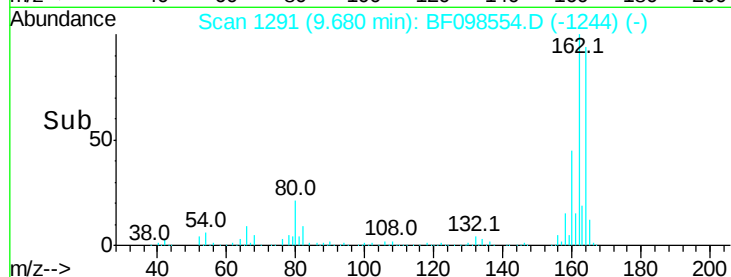
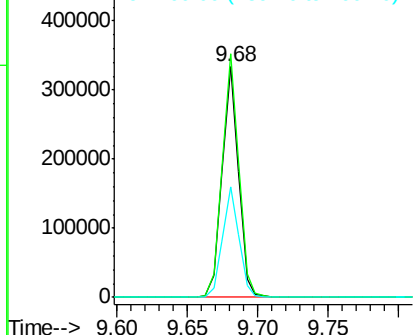
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

Instrument :
BNA_F
ClientSampleId :
EO-02-091217-A

Tot Ion:164 Resp: 270767
Ion Ratio Lower Upper
164 100
162 105.5 82.6 123.8
160 47.7 36.2 54.2

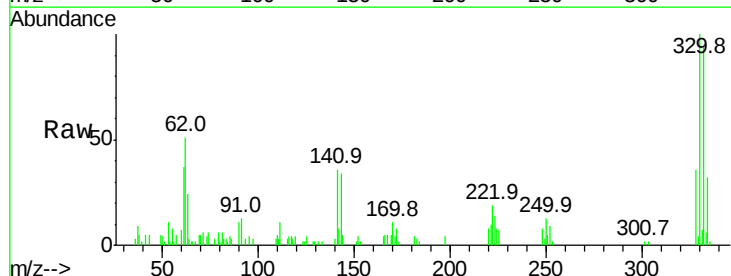


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

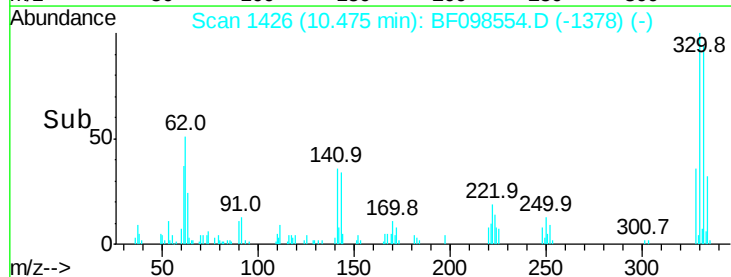
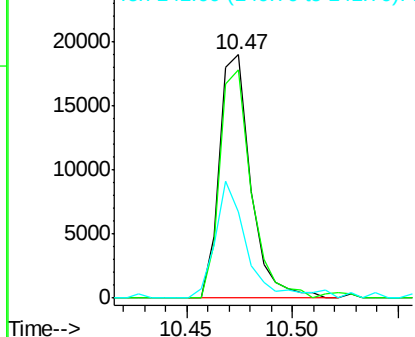


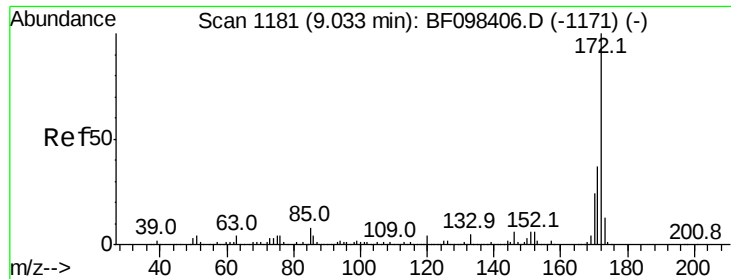
#41
2,4,6-Tribromophenol
Concen: 10.859 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.02 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

Tgt Ion:330 Resp: 19623
Ion Ratio Lower Upper
330 100
332 94.4 76.6 115.0
141 48.7 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

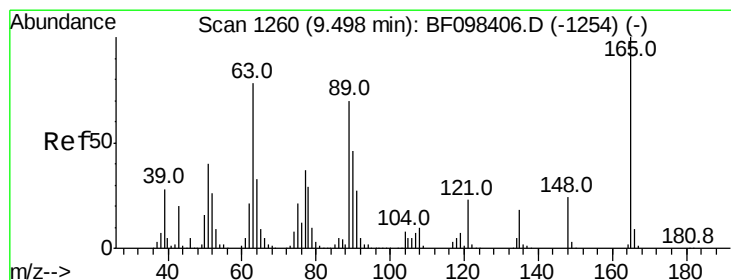
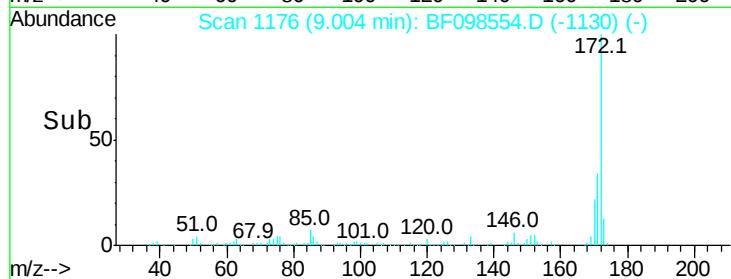
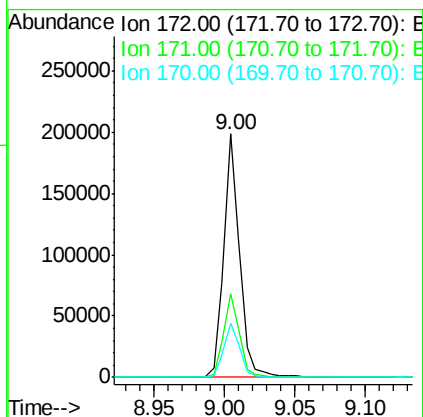
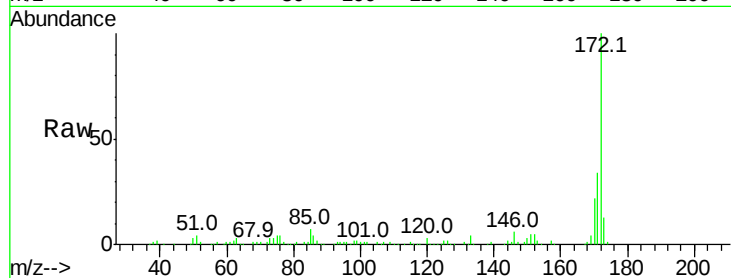




#44
 2-Fluorobiphenyl
 Concen: 9.770 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.03 min
 Lab File: BF098554.D
 Acq: 15 Sep 2017 3:32

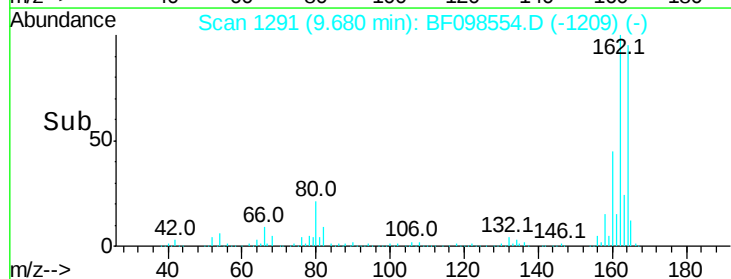
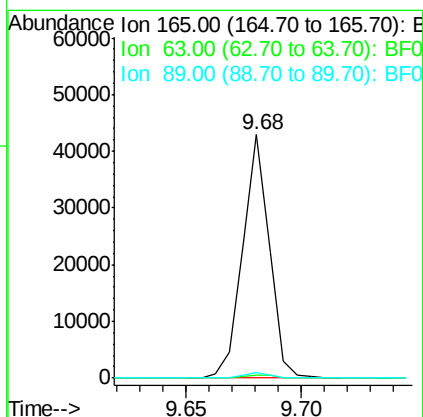
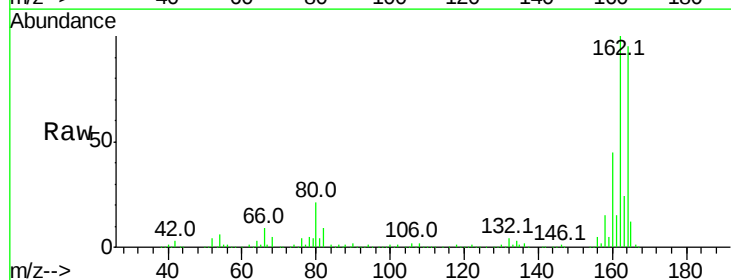
Instrument :
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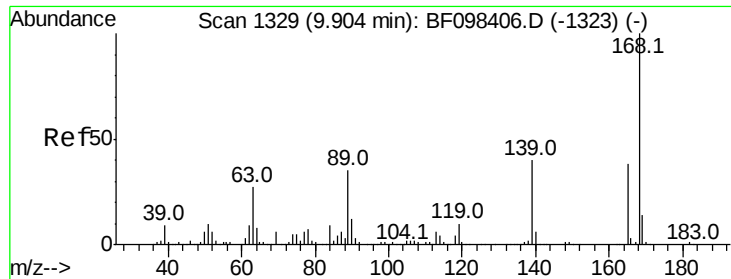
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.4	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.088 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.18 min
 Lab File: BF098554.D
 Acq: 15 Sep 2017 3:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	2.1	37.1	55.7#

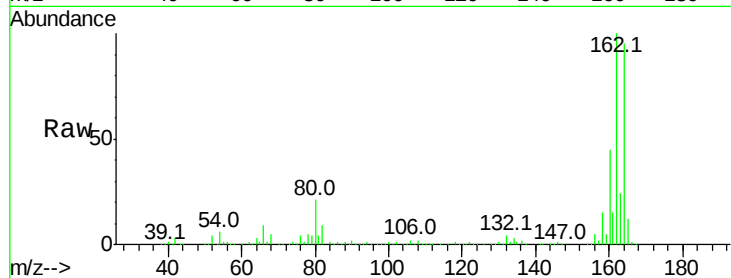




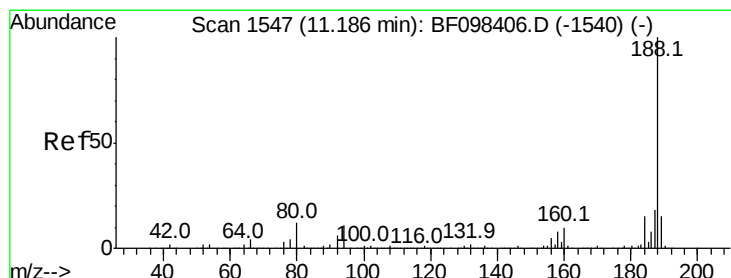
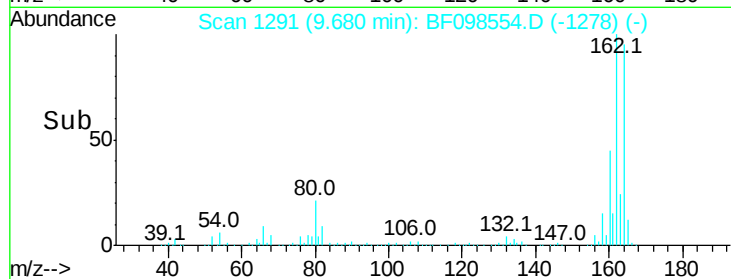
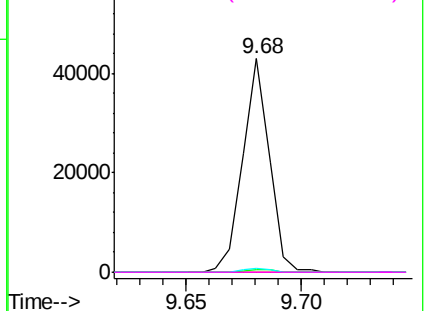
#56
 2,4-Dinitrotoluene
 Concen: 6.652 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.22 min
 Lab File: BF098554.D
 Acq: 15 Sep 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-091217-A

Tot Ion:165 Resp: 34820
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 2.1 46.4 69.6#
 182 0.0 1.8 2.6#

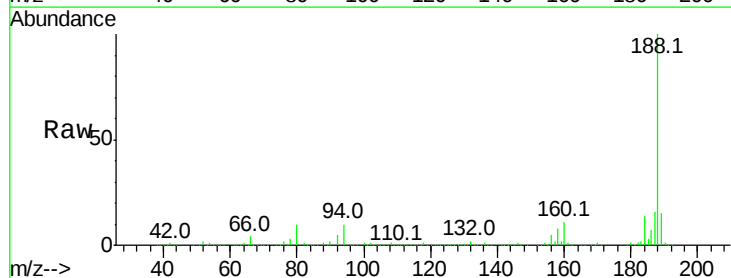


Abundance Ion 165.00 (164.70 to 165.70): E

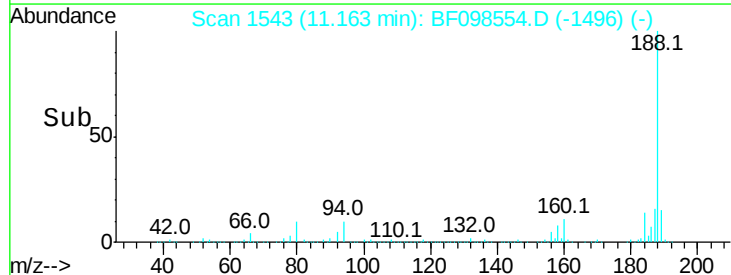
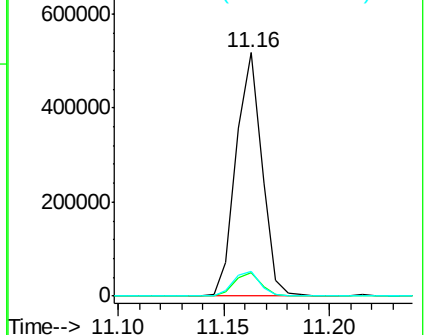


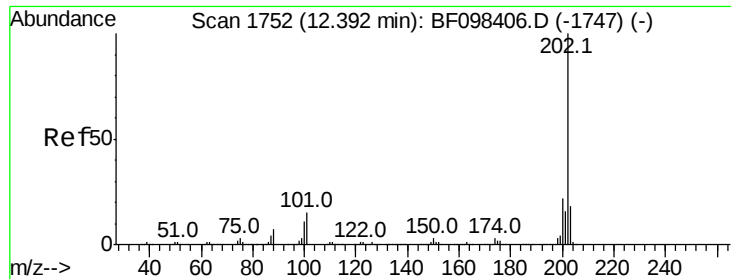
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098554.D
 Acq: 15 Sep 2017 3:32

Tgt Ion:188 Resp: 436125
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.4 14.2
 80 10.4 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#74

Fluoranthene

Concen: 2.587 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Instrument :

BNA_F

ClientSampleId :

EO-02-091217-A

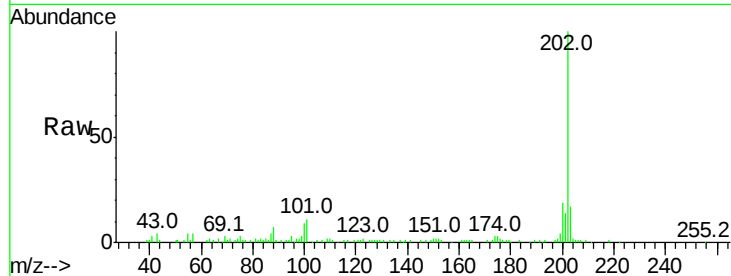
Tot Ion:202 Resp: 59880

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

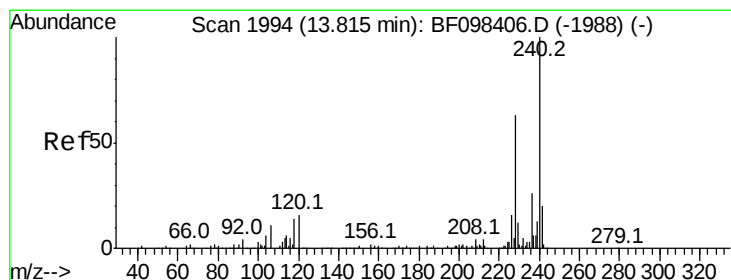
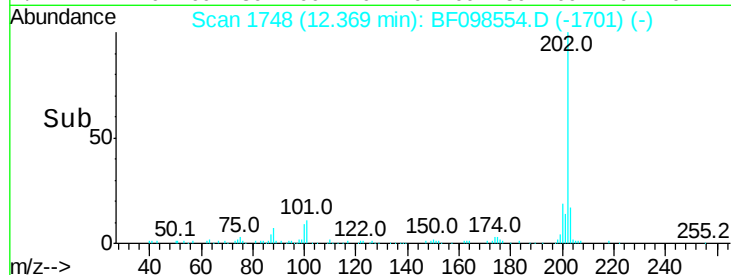
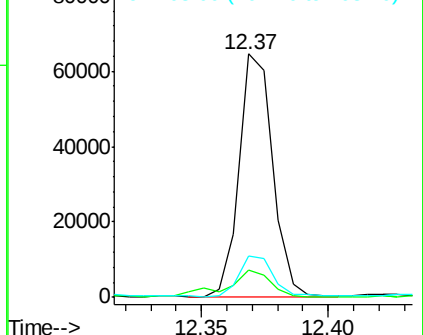
203 17.1 0.0 38.1



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: BF098554.D

Acq: 15 Sep 2017 3:32

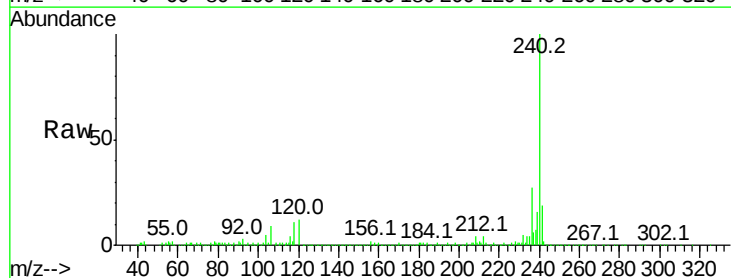
Tgt Ion:240 Resp: 355577

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

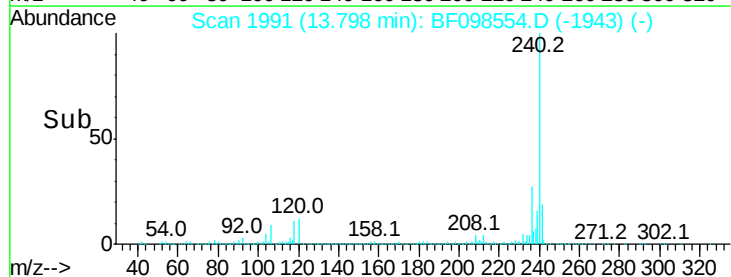
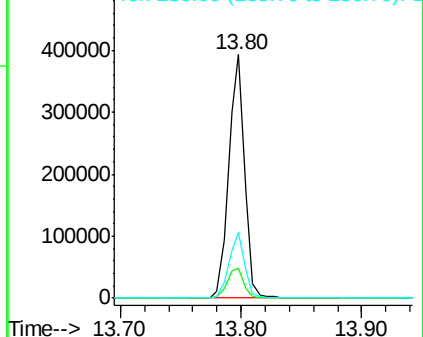
236 26.9 20.5 30.7

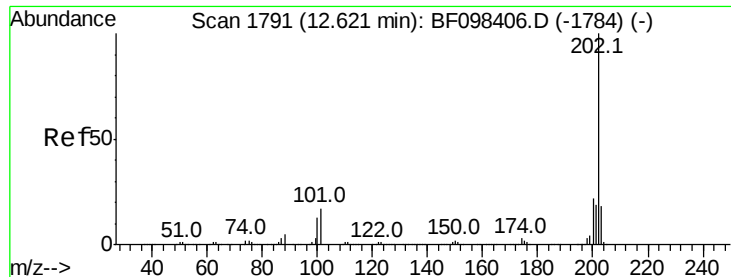


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.109 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Instrument :

BNA_F

ClientSampleId :

EO-02-091217-A

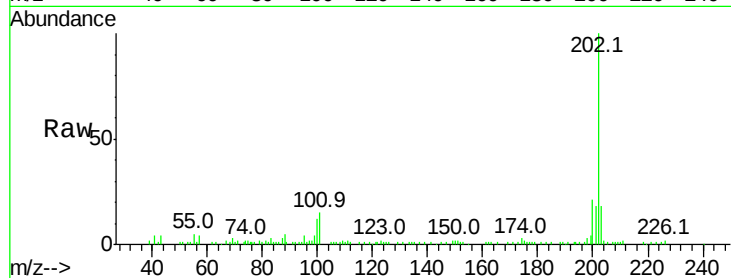
Tot Ion:202 Resp: 59144

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

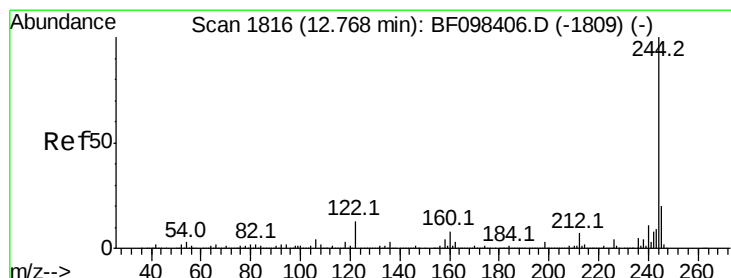
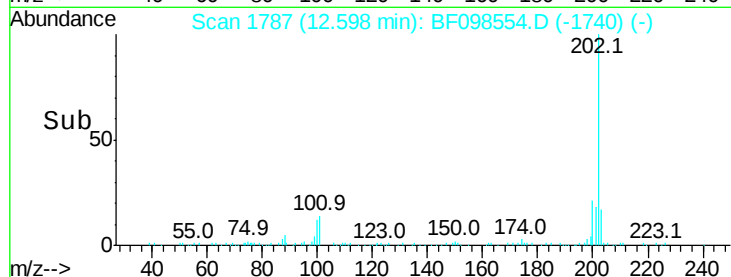
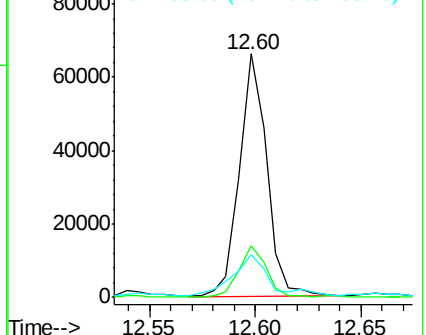
203 17.5 14.4 21.6



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: 6.581 ng

RT: 12.74 min Scan# 1812

Delta R.T. -0.02 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

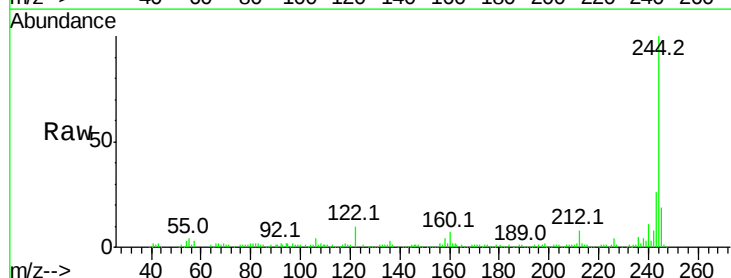
Tgt Ion:244 Resp: 108416

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

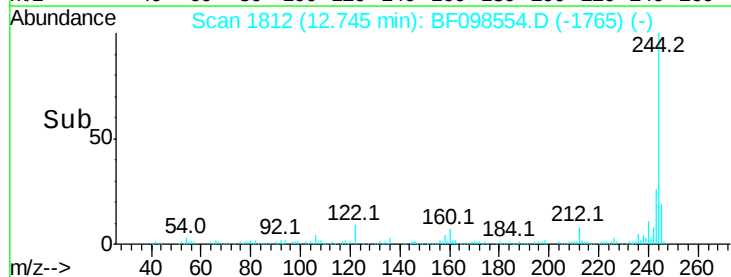
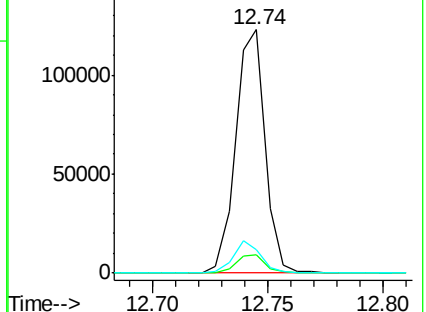
122 9.7 10.3 15.5#

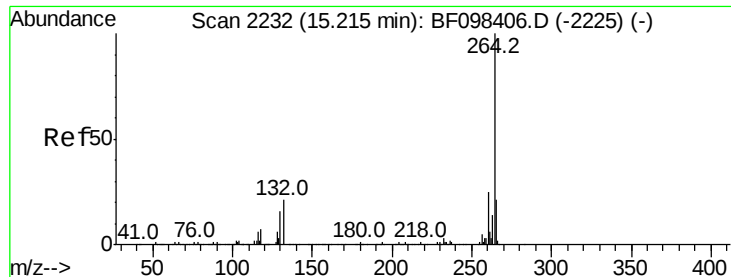


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

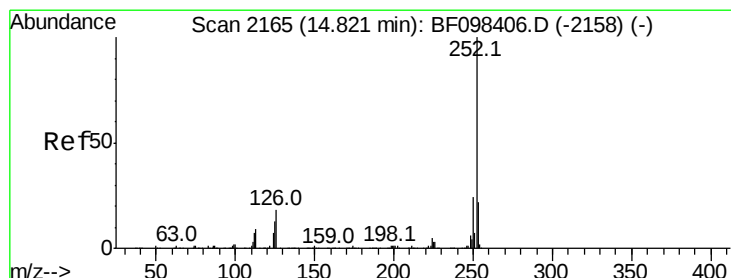
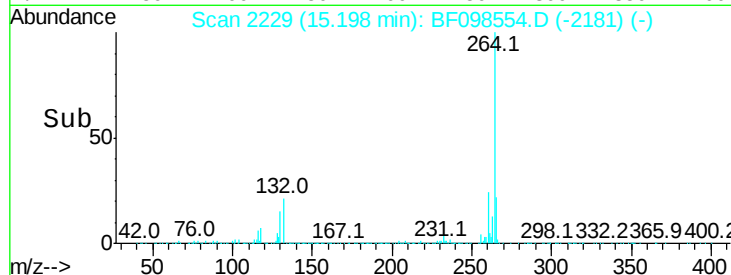
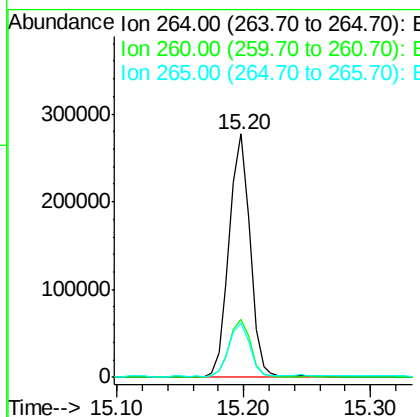
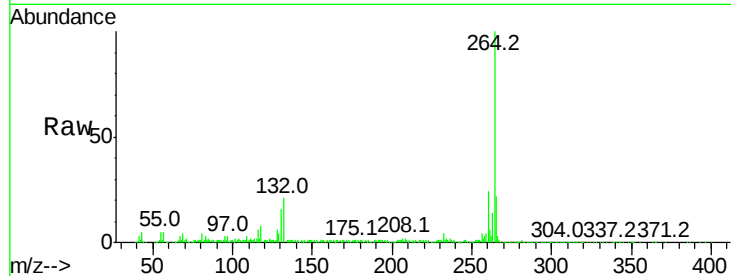




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

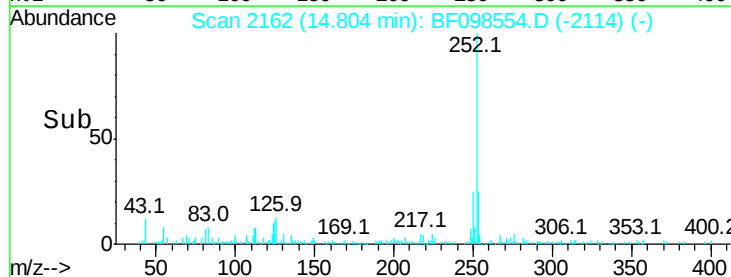
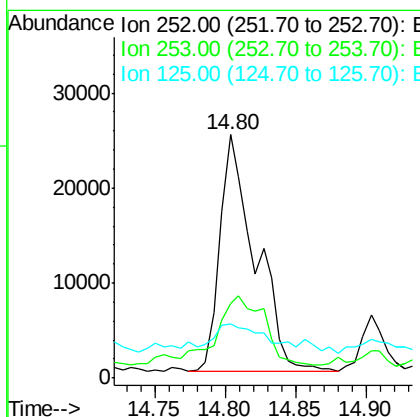
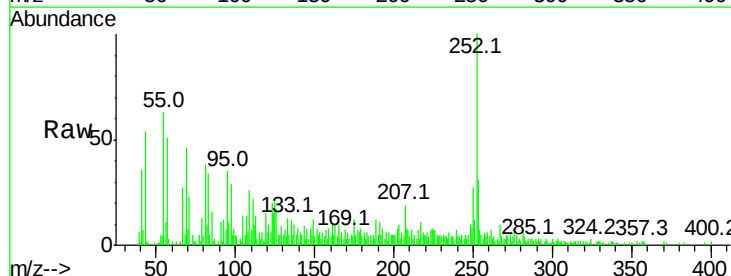
Instrument :
BNA_F
ClientSampleId :
EO-02-091217-A

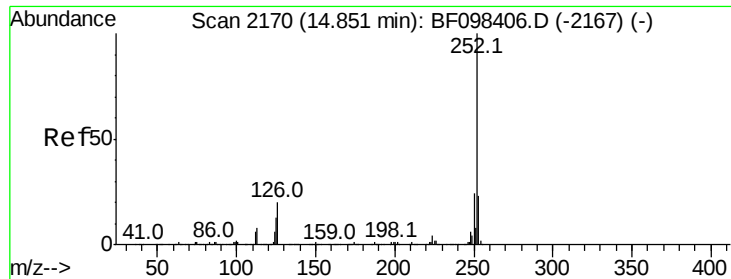
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.208 ng
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098554.D
Acq: 15 Sep 2017 3:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	18.1	27.1#
125	22.5	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.366 ng

RT: 14.80 min Scan# 2162

Delta R.T. -0.05 min

Lab File: BF098554.D

Acq: 15 Sep 2017 3:32

Instrument :

BNA_F

ClientSampleId :

EO-02-091217-A

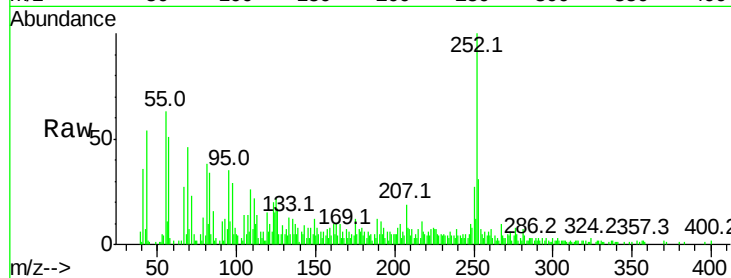
Tot Ion:252 Resp: 44023

Ion Ratio Lower Upper

252 100

253 30.9 18.4 27.6#

125 22.5 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

