

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098461.D
 Acq On : 12 Sep 2017 20:19
 Operator : SJ/JU
 Sample : I5140-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-5-0-13.75

Quant Time: Sep 13 01:00:11 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	6.66	152	197286	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	770085	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	296347	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	464458	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	358085	20.00	ng	0.00
86) Perylene-d12	15.21	264	266597	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	690013	51.71	ng	0.00
7) Phenol-d6	6.31	99	861972	50.88	ng	-0.01
23) Nitrobenzene-d5	7.23	82	508295	36.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.49	330	94159	47.61	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	727107	41.59	ng	-0.01
78) Terphenyl-d14	12.76	244	436392	26.30	ng	-0.01

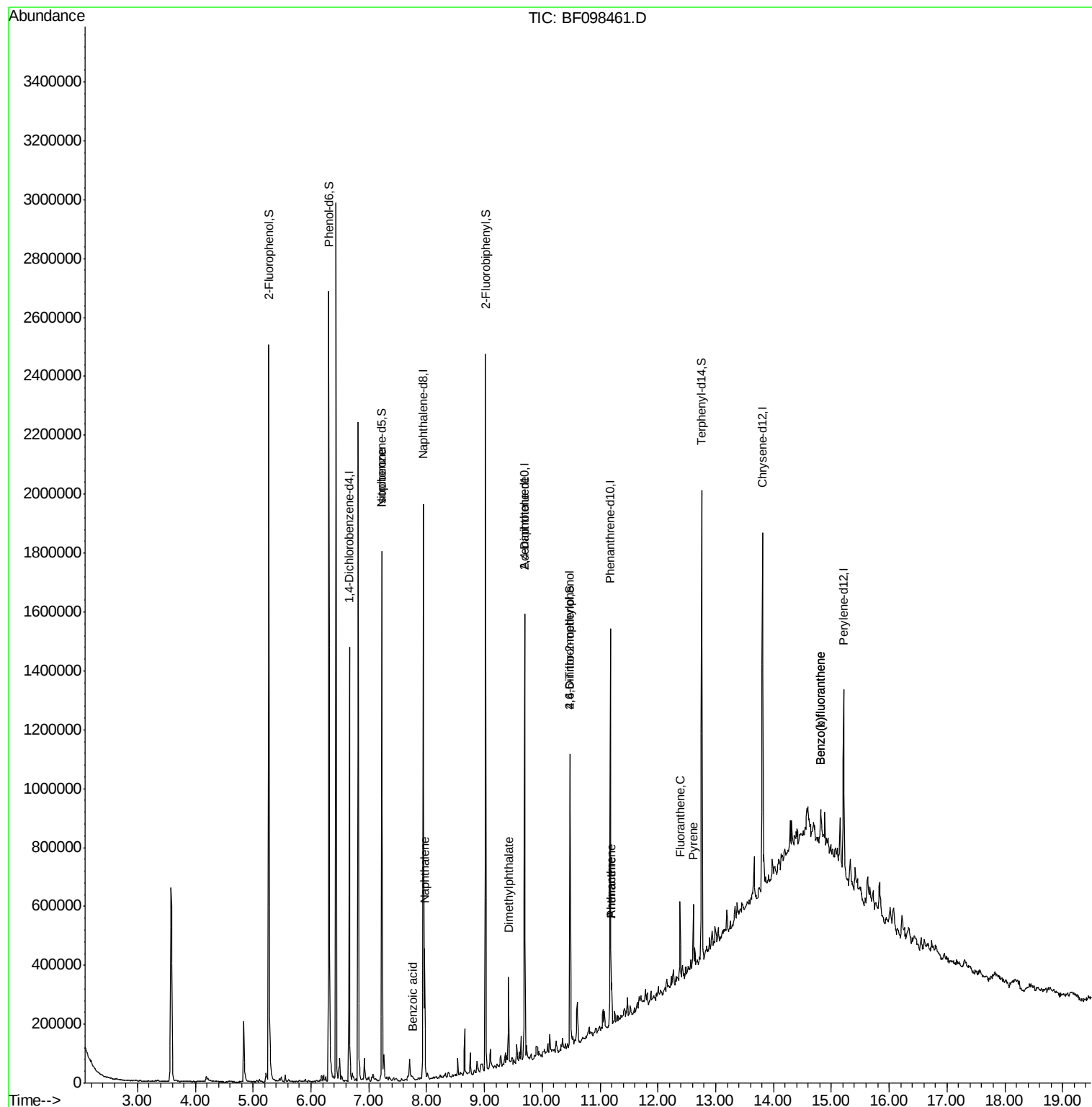
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.23	82	500817	17.920	ng	# 67
31) Naphthalene	7.97	128	179125	4.705	ng	99
32) Benzoic acid	7.76	122	361	8.007	ng	89
49) Dimethylphthalate	9.42	163	102618	4.473	ng	100
56) 2,4-Dinitrotoluene	9.69	165	38926	6.795	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.48	198	116	5.001	ng	# 1
70) Phenanthrene	11.20	178	67943	2.759	ng	98
71) Anthracene	11.20	178	67943	2.688	ng	99
74) Fluoranthene	12.39	202	94584	3.837	ng	98
77) Pyrene	12.62	202	83706	2.963	ng	98
87) Benzo(b)fluoranthene	14.82	252	55141	3.289	ng	# 69
88) Benzo(k)fluoranthene	14.82	252	55141	3.524	ng	# 73

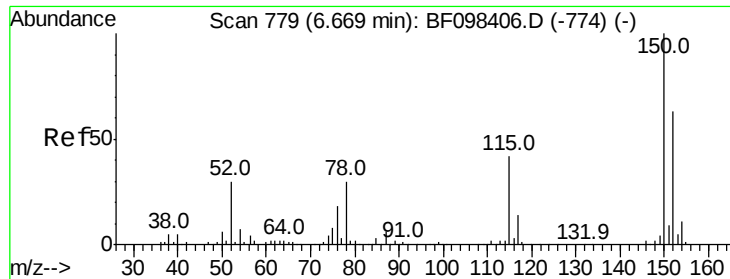
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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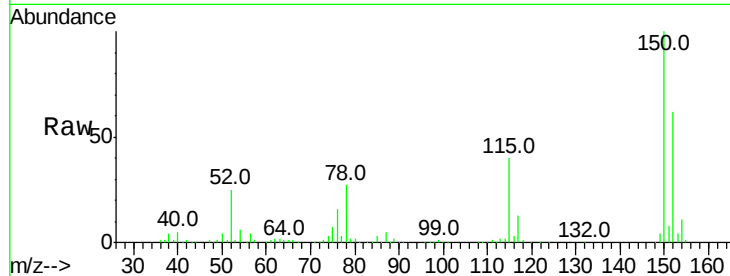


#1

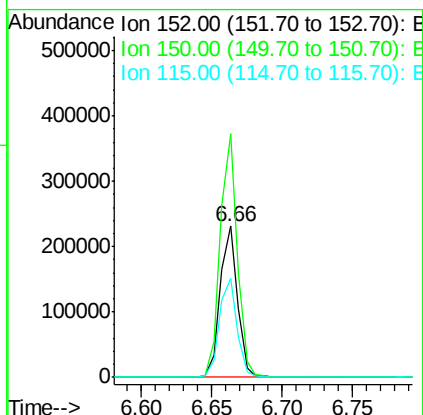
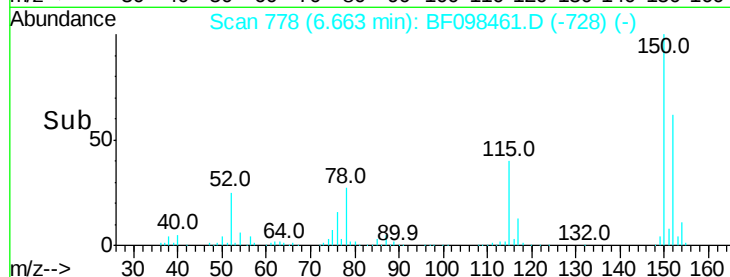
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF098461.D
 Acq: 12 Sep 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :
 RL-5-0-13.75

Tot Ion:152 Resp: 197286
 Ion Ratio Lower Upper
 152 100
 150 161.0 126.2 189.2
 115 65.2 52.2 78.2



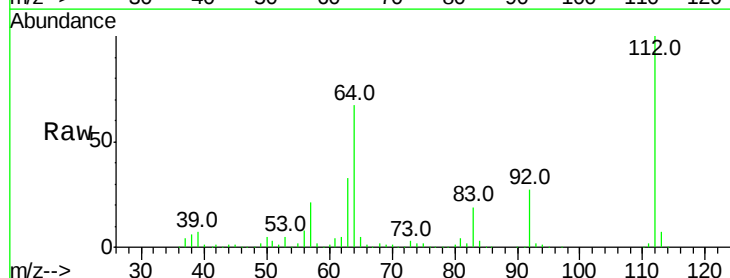
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



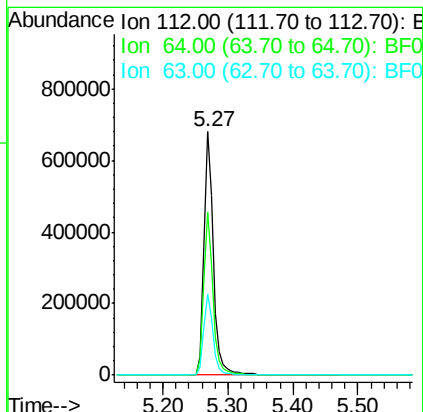
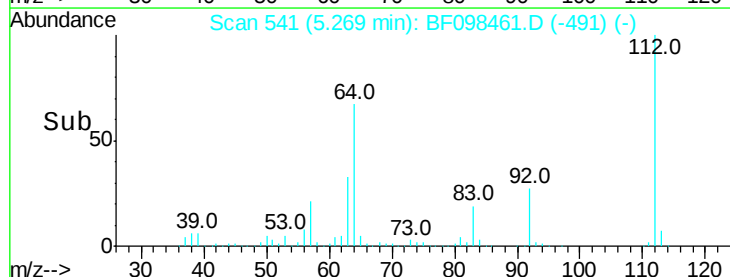
#5

2-Fluorophenol
 Concen: 51.712 ng
 RT: 5.27 min Scan# 541
 Delta R.T. -0.00 min
 Lab File: BF098461.D
 Acq: 12 Sep 2017 20:19

Tgt Ion:112 Resp: 690013
 Ion Ratio Lower Upper
 112 100
 64 67.0 46.0 69.0
 63 33.5 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: 50.879 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

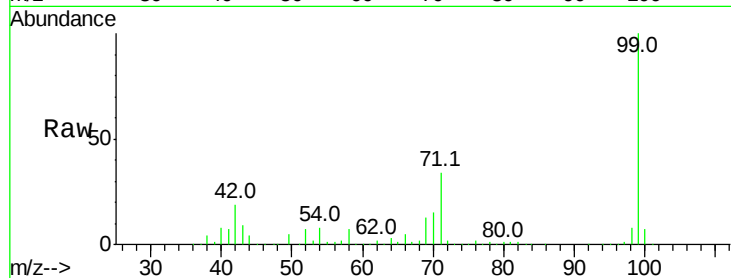
Tot Ion: 99 Resp: 861972

Ion Ratio Lower Upper

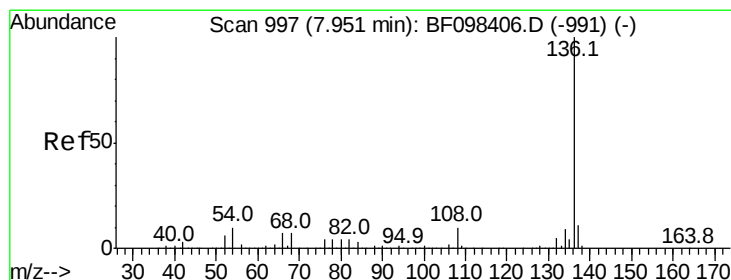
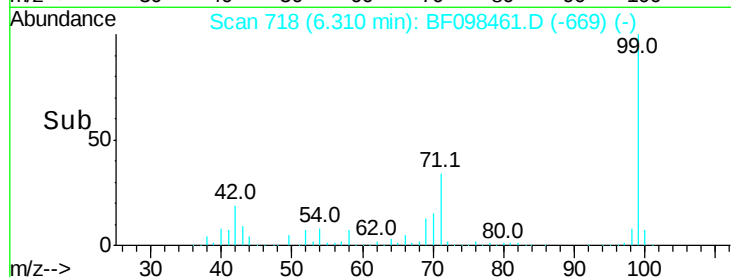
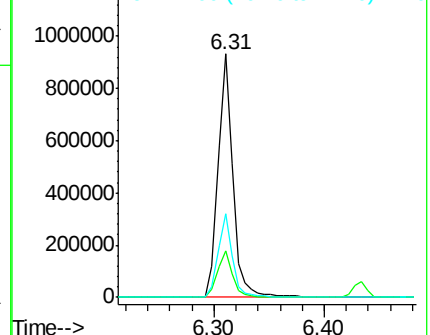
99 100

42 19.2 13.5 20.3

71 34.1 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: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Tgt Ion: 136 Resp: 770085

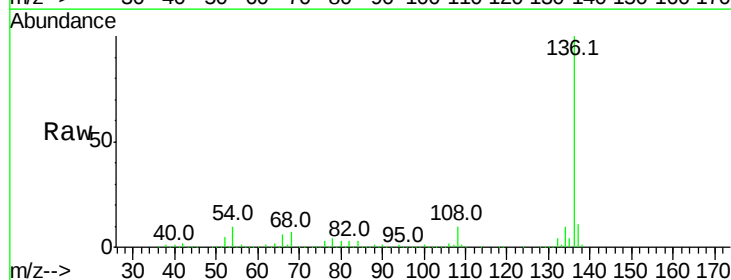
Ion Ratio Lower Upper

136 100

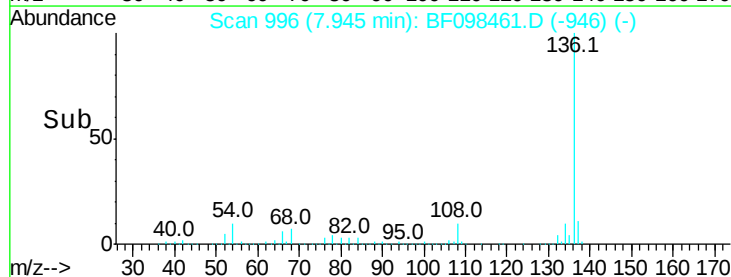
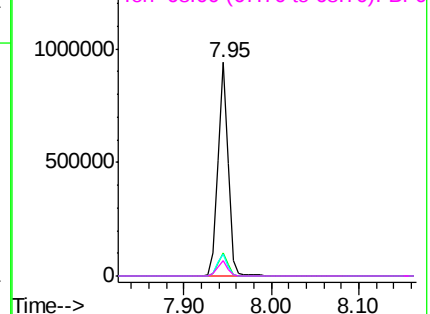
137 10.9 8.5 12.7

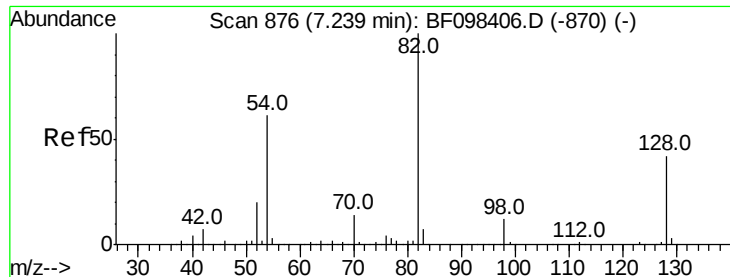
54 10.0 4.9 7.3#

68 6.9 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

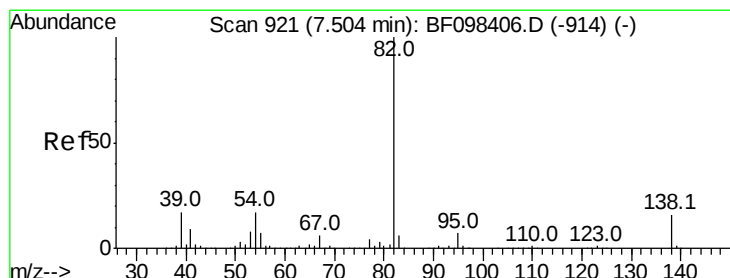
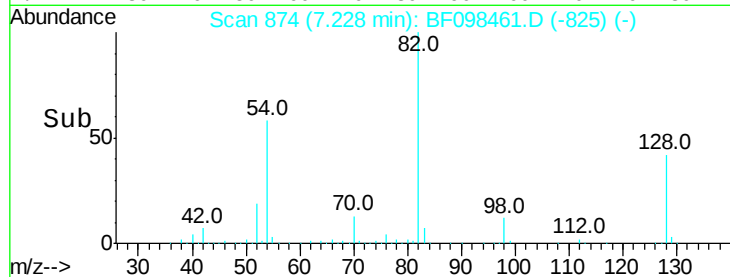
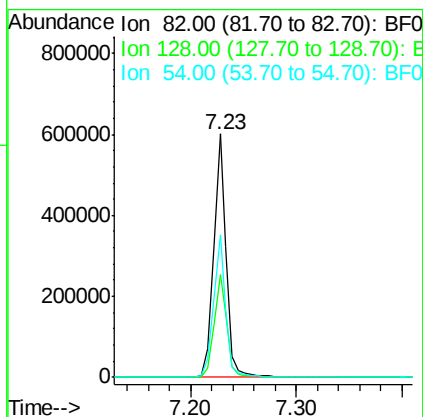
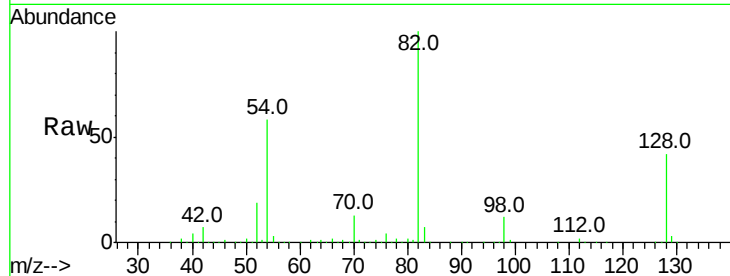




#23
Nitrobenzene-d5
Concen: 36.798 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098461.D
Acq: 12 Sep 2017 20:19

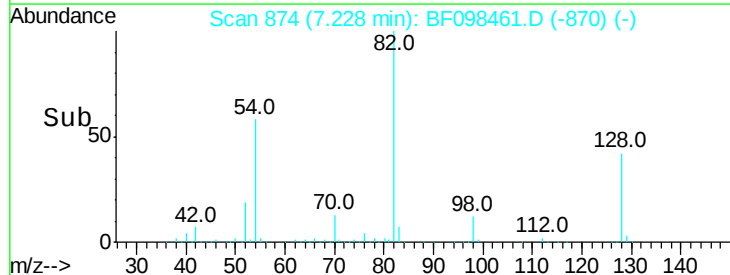
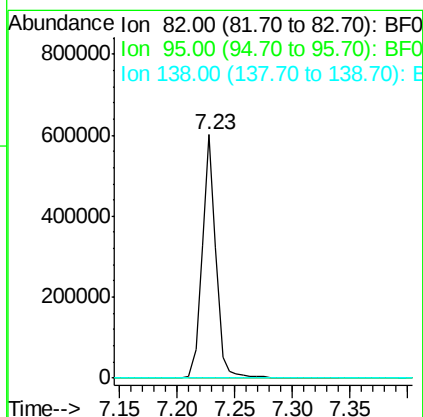
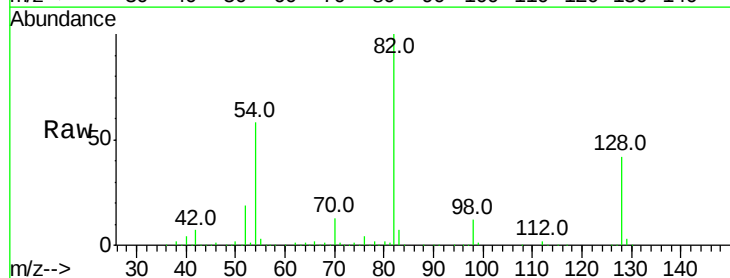
Instrument :
BNA_F
ClientSampleId :
RL-5-0-13.75

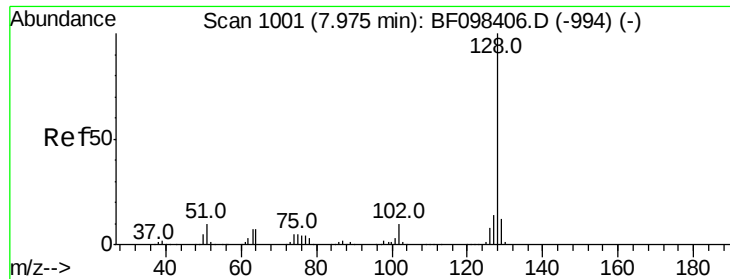
Tot Ion	82	Resp	508295
Ion Ratio	100	Lower	Upper
128	42.3	34.0	51.0
54	58.3	42.2	63.2



#25
Isophorone
Concen: 17.920 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.28 min
Lab File: BF098461.D
Acq: 12 Sep 2017 20:19

Tgt Ion	82	Resp	500817
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

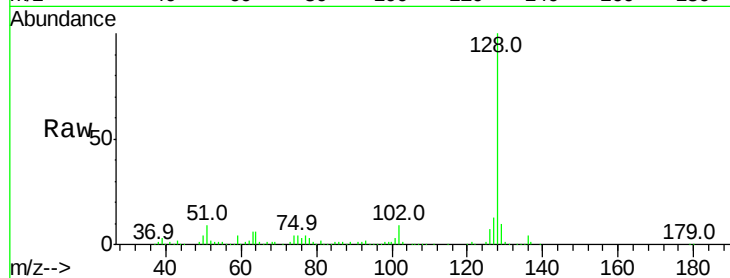




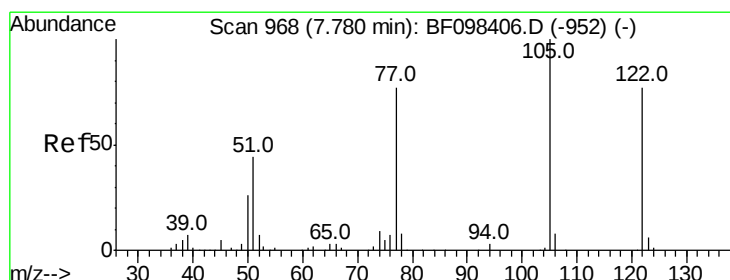
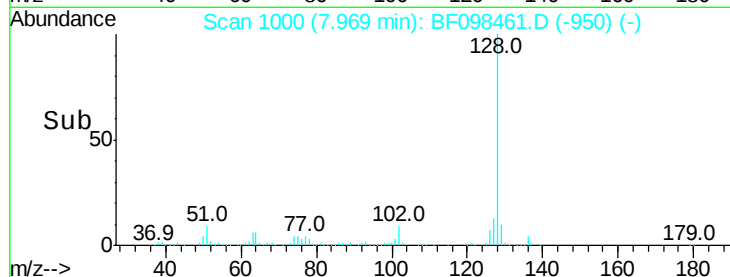
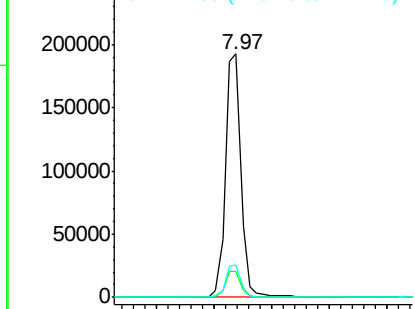
#31
Naphthalene
Concen: 4.705 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.01 min
Lab File: BF098461.D
Acq: 12 Sep 2017 20:19

Instrument :
BNA_F
ClientSampleId :
RL-5-0-13.75

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	13.5	10.8	16.2

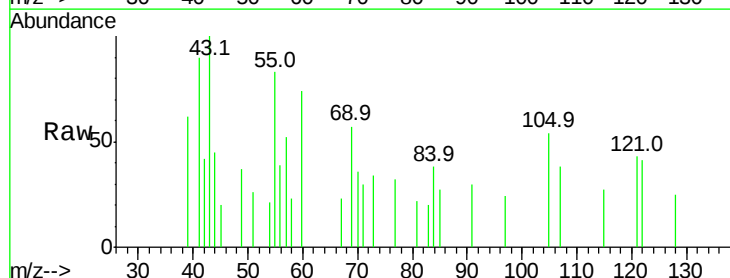


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

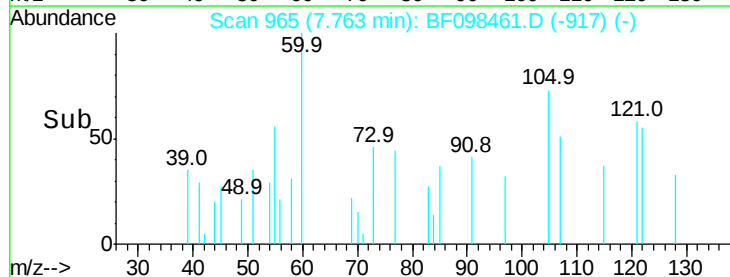
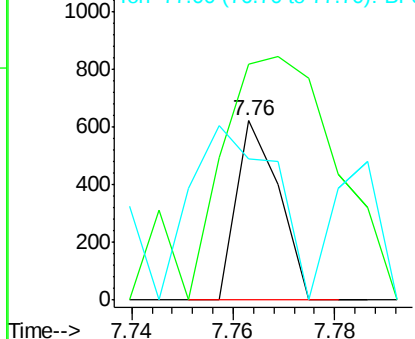


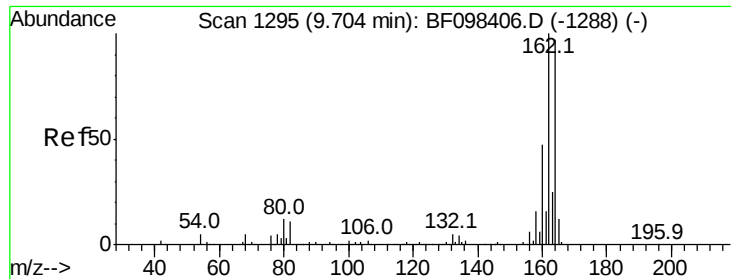
#32
Benzoic acid
Concen: 8.007 ng
RT: 7.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF098461.D
Acq: 12 Sep 2017 20:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.8	103.3	143.3
77	79.1	73.7	113.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

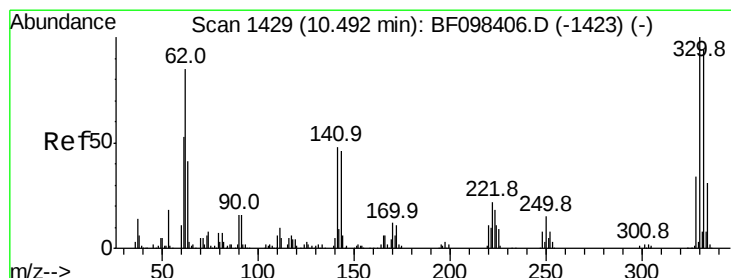
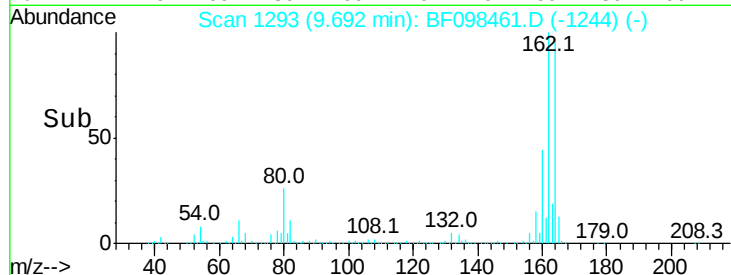
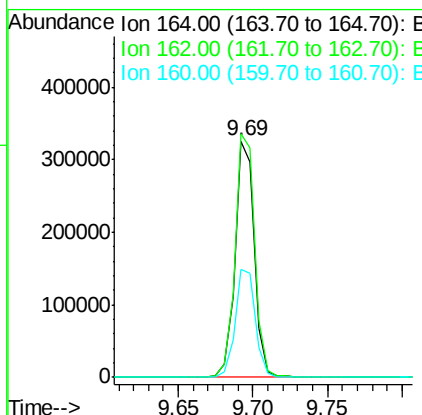
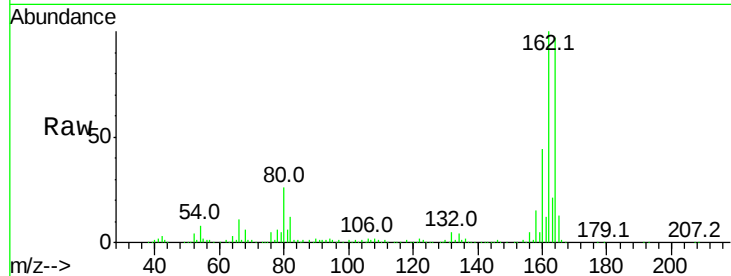




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF098461.D
 Acq: 12 Sep 2017 20:19

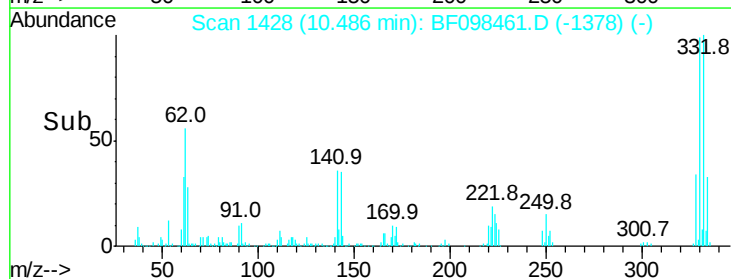
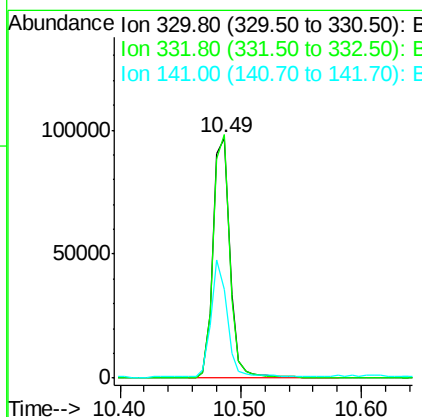
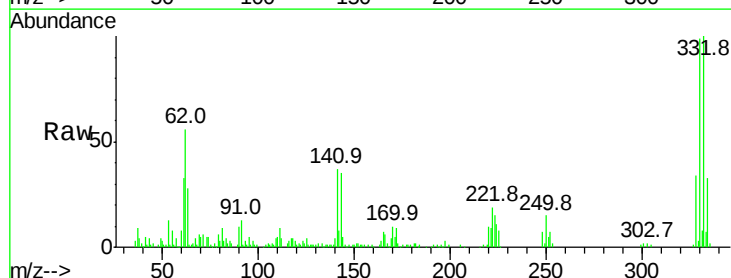
Instrument :
 BNA_F
 ClientSampleId :
 RL-5-0-13.75

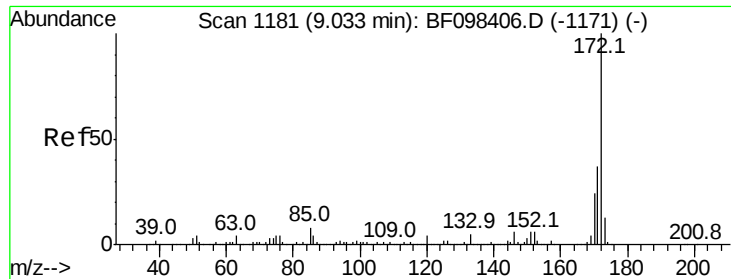
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	45.5	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 47.606 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098461.D
 Acq: 12 Sep 2017 20:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.6	115.0
141	46.0	31.4	47.2





#44

2-Fluorobiphenyl

Concen: 41.586 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampled :

RL-5-0-13.75

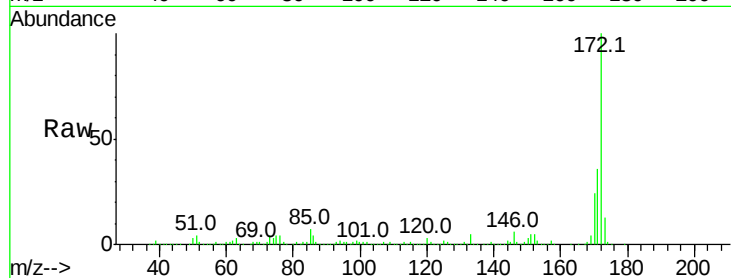
Tot Ion:172 Resp: 727107

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

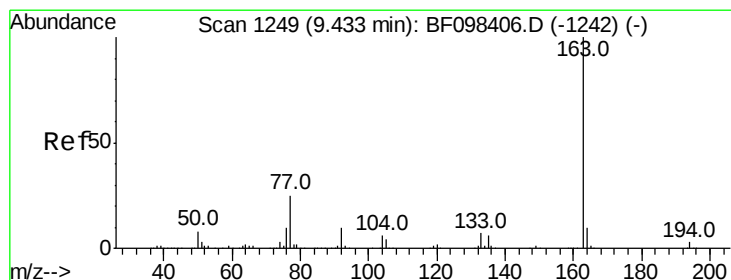
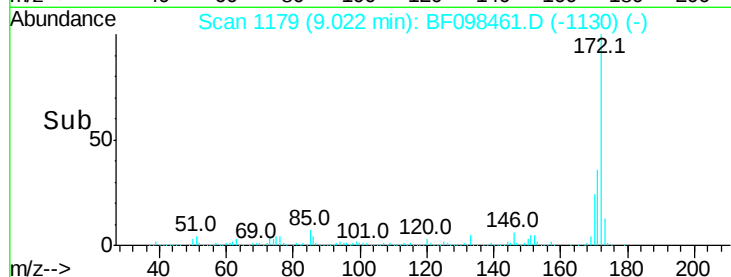
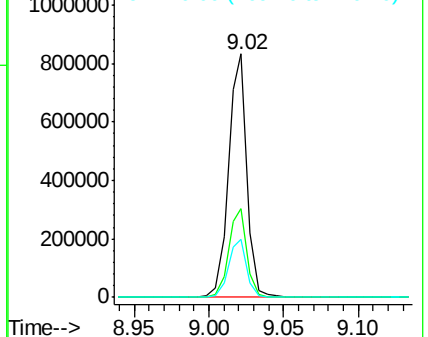
170 23.6 19.8 29.8



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: 4.473 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

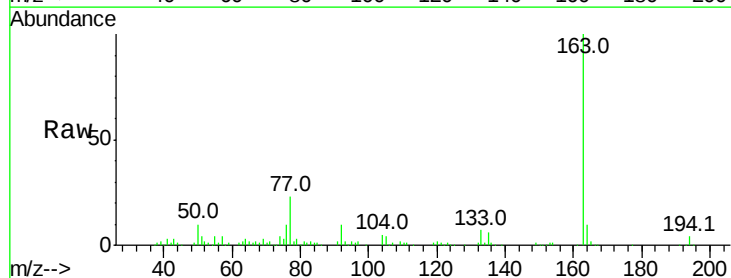
Tgt Ion:163 Resp: 102618

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

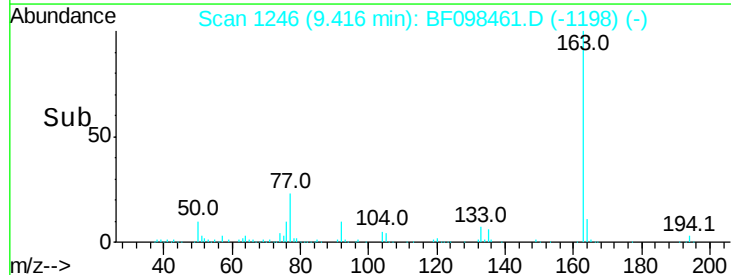
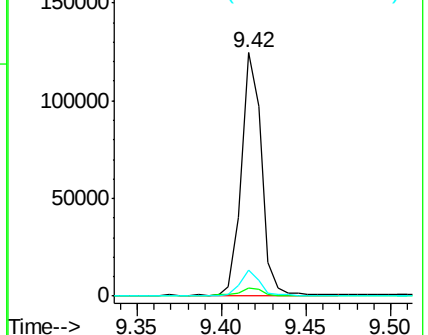
164 10.5 8.4 12.6

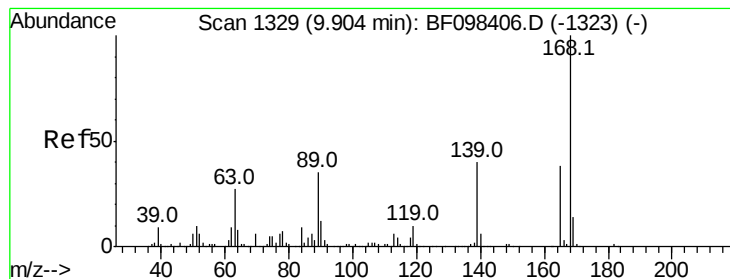


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,4-Dinitrotoluene

Concen: 6.795 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.21 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

Tot Ion:165 Resp: 38926

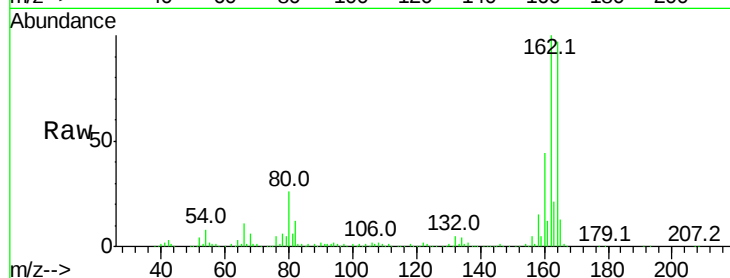
Ion Ratio Lower Upper

165 100

63 2.1 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

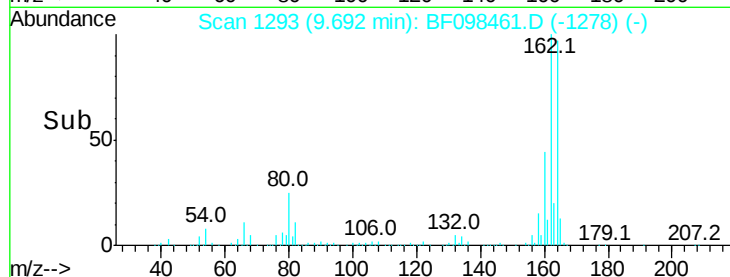


Abundance Ion 165.00 (164.70 to 165.70): E

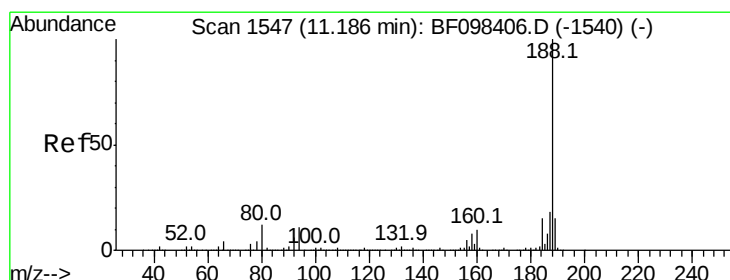
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

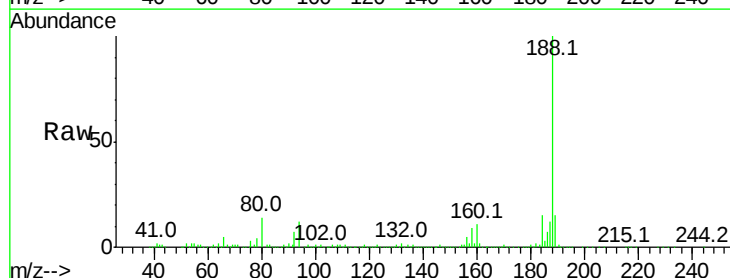
Tgt Ion:188 Resp: 464458

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

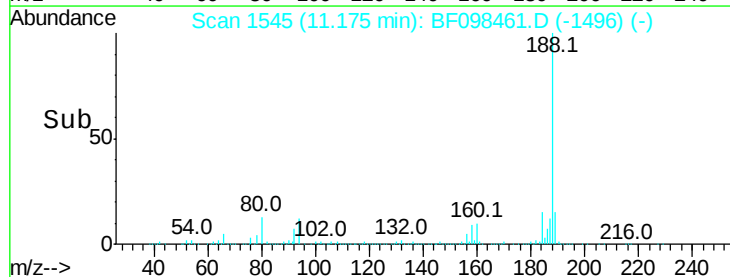
80 13.6 10.2 15.2



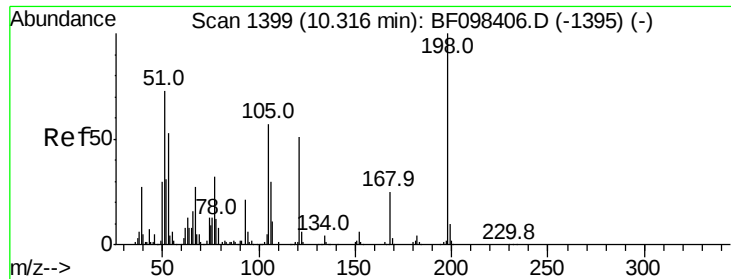
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.001 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.17 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

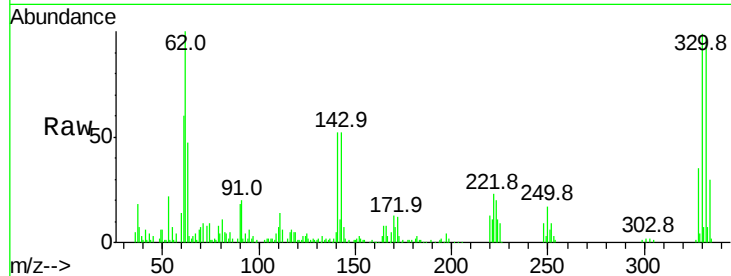
Tot Ion:198 Resp: 116

Ion Ratio Lower Upper

198 100

51 347.3 53.2 93.2#

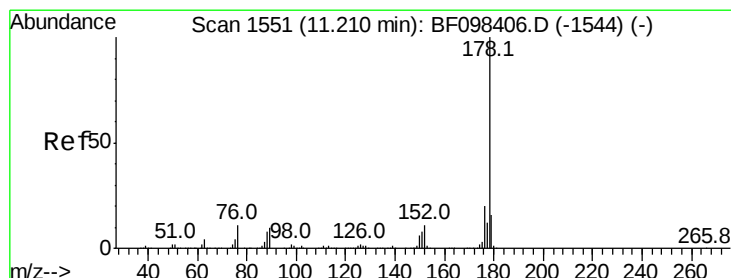
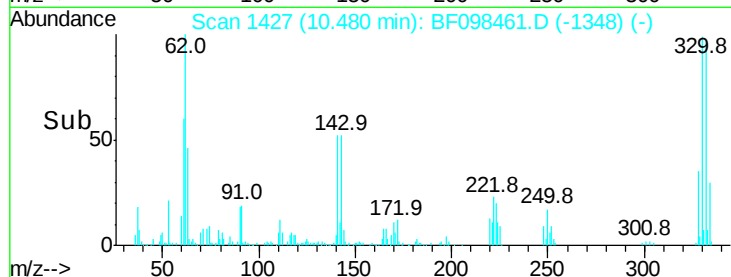
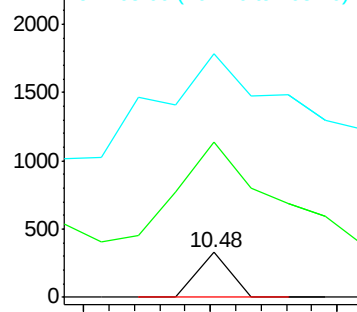
105 543.9 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 2.759 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

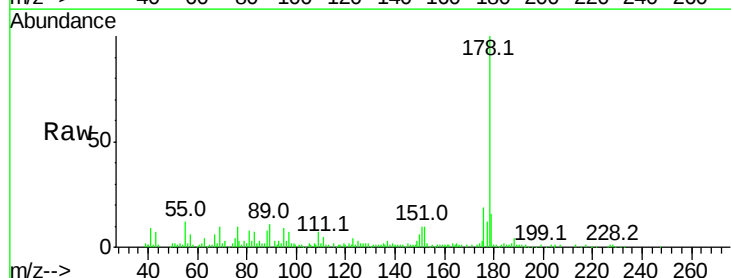
Tgt Ion:178 Resp: 67943

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

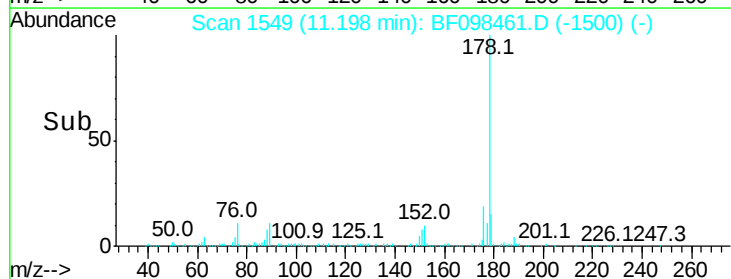
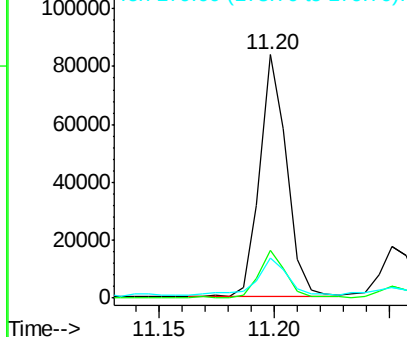
179 16.5 12.6 19.0

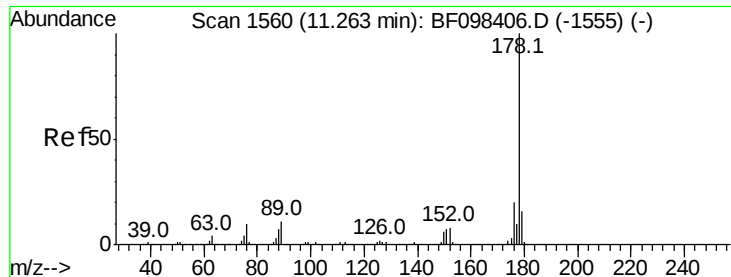


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.688 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.06 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

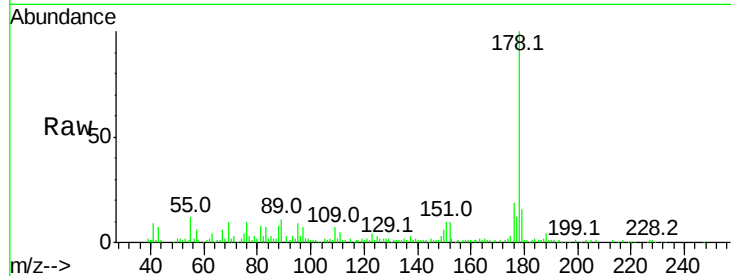
Tot Ion:178 Resp: 67943

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

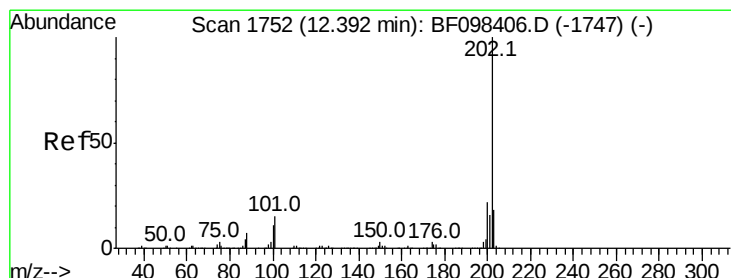
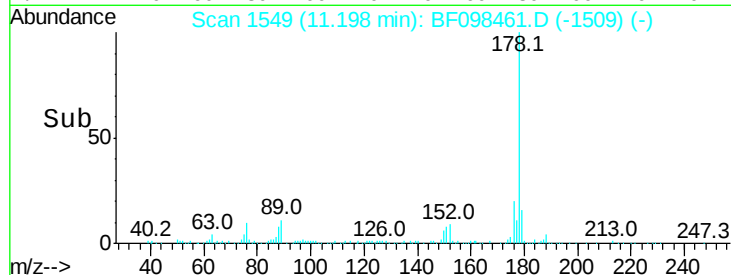
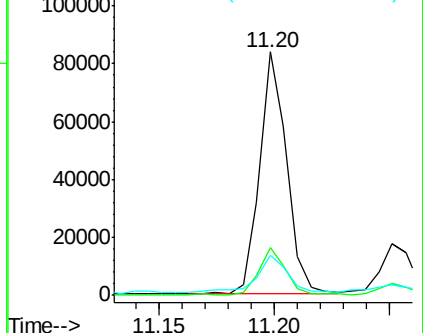
179 16.5 12.7 19.1



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: 3.837 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

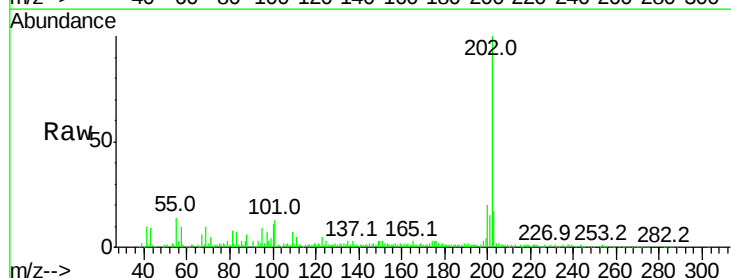
Tgt Ion:202 Resp: 94584

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

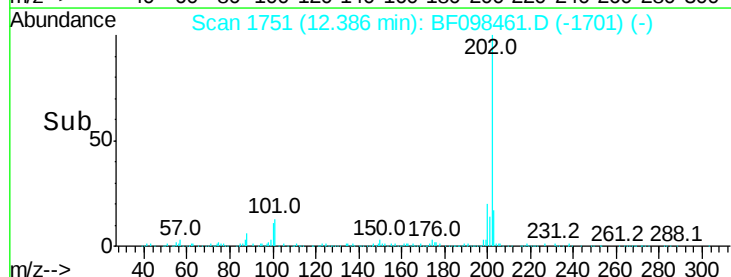
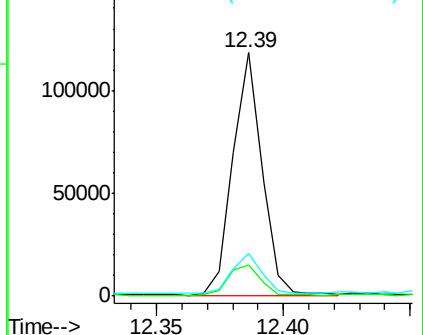
203 17.4 0.0 38.1

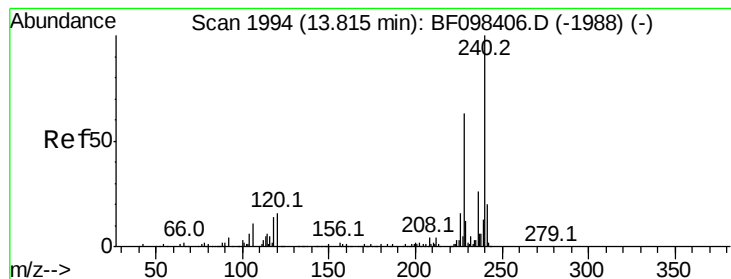


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

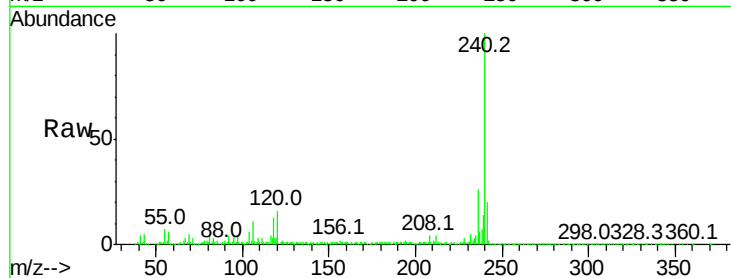
Tot Ion:240 Resp: 358085

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

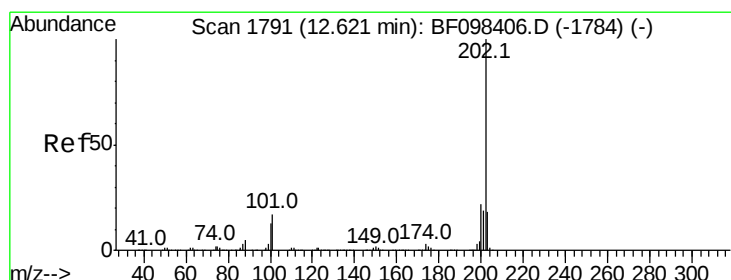
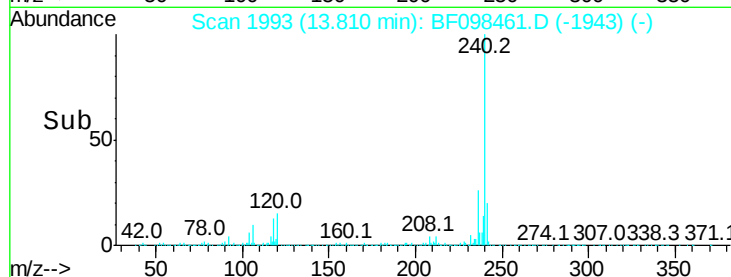
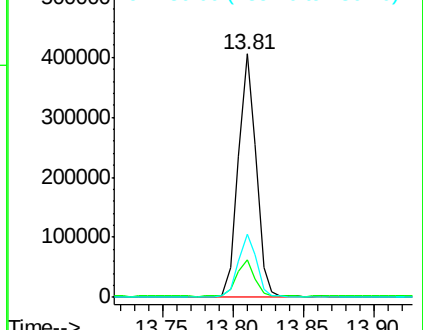
236 25.9 20.5 30.7



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

Pyrene

Concen: 2.963 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

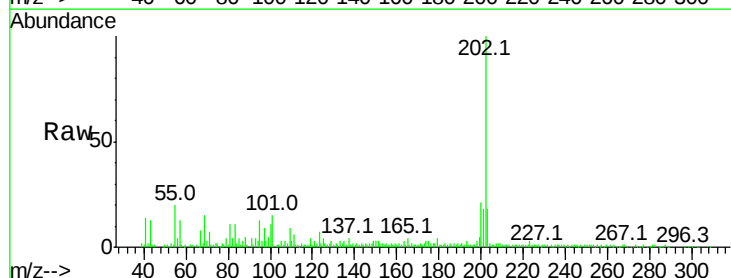
Tgt Ion:202 Resp: 83706

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

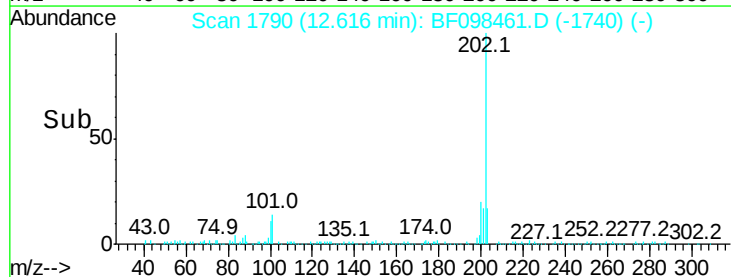
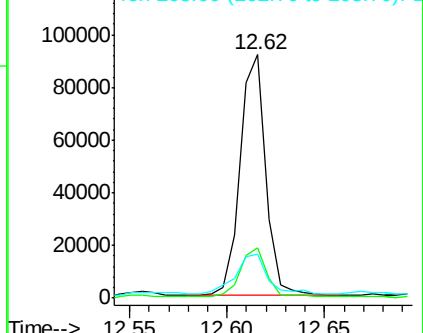
203 18.2 14.4 21.6

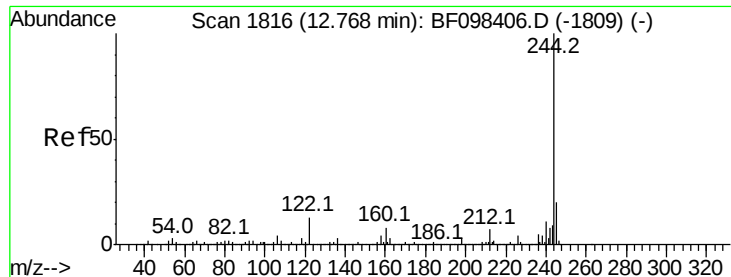


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.305 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :

BNA_F

ClientSampleId :

RL-5-0-13.75

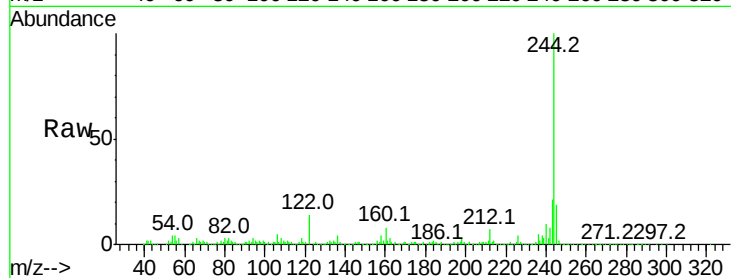
Tot Ion:244 Resp: 436392

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

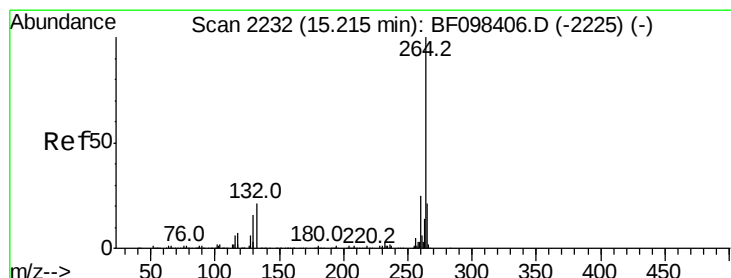
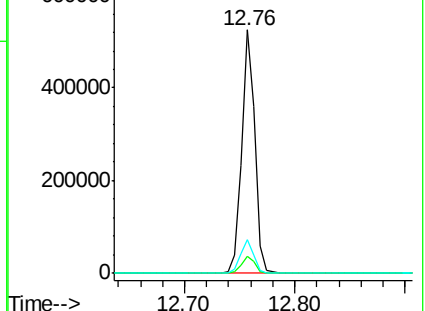
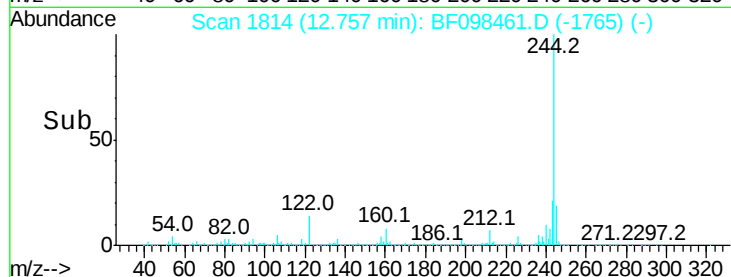
122 14.1 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

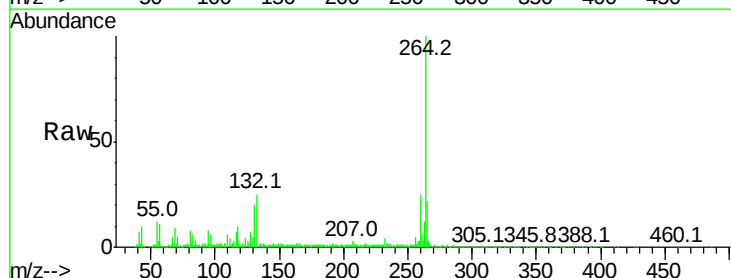
Tgt Ion:264 Resp: 266597

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

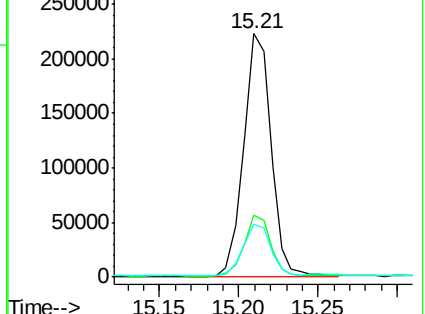
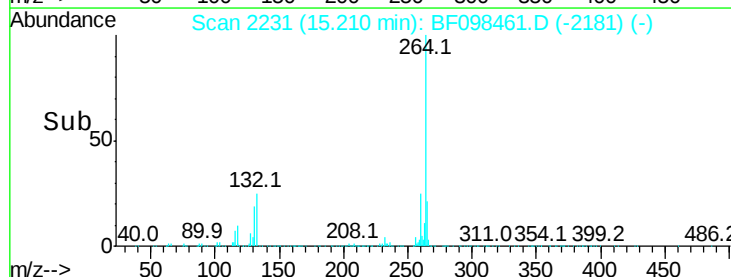
265 21.7 17.2 25.8

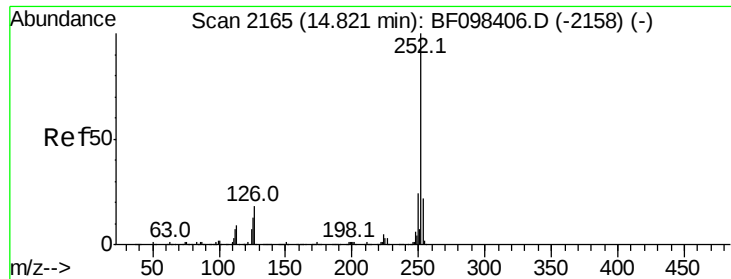


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.289 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

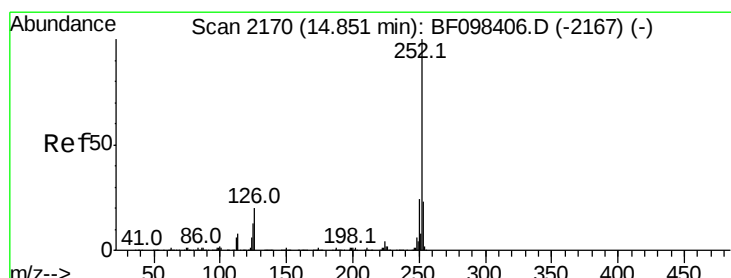
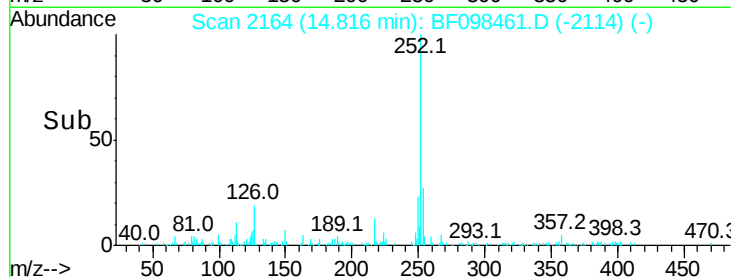
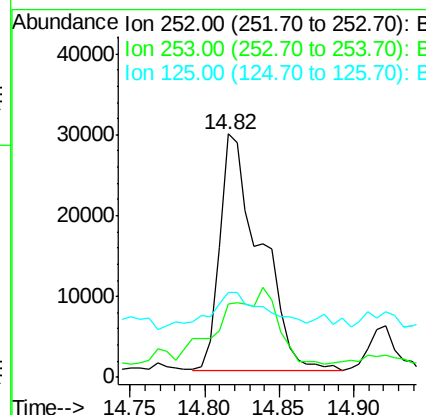
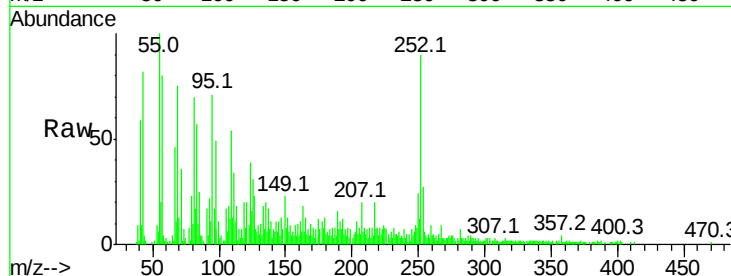
Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Instrument :
BNA_F
ClientSampleId :
RL-5-0-13.75

Tot Ion:252 Resp: 55141

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.1	27.1#
125	34.6	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 3.524 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF098461.D

Acq: 12 Sep 2017 20:19

Tgt Ion:252 Resp: 55141

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.4	27.6#
125	34.6	13.1	19.7#

