

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096692.D
 Acq On : 12 Jul 2017 15:27
 Operator : SJ/JU
 Sample : I4147-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 15:55:07 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

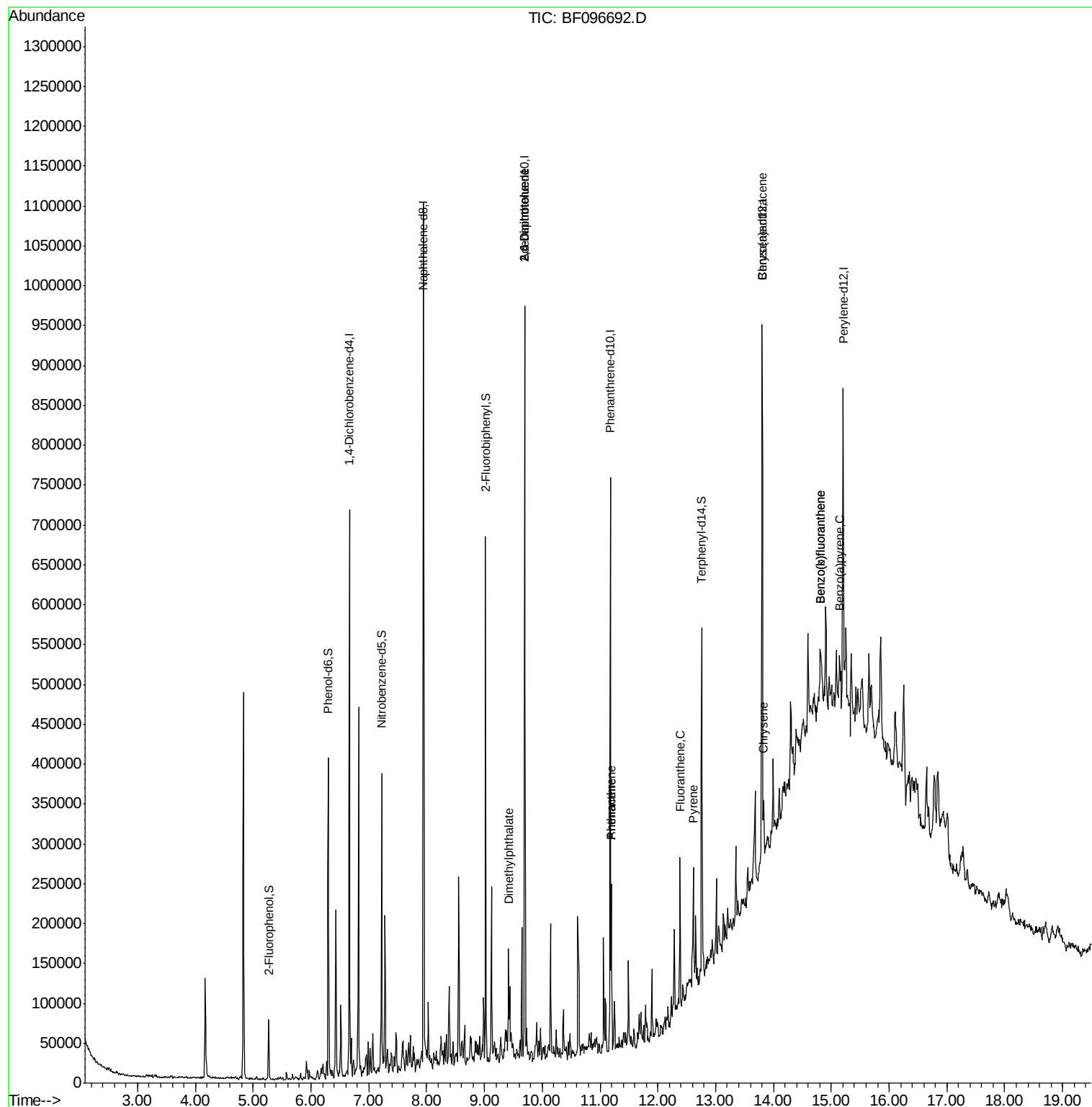
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	97898	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	396477	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	164915	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	234720	20.00	ng	-0.04
75) Chrysene-d12	13.80	240	201367	20.00	ng	-0.04
86) Perylene-d12	15.20	264	176804	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	21768	3.28	ng	-0.04
7) Phenol-d6	6.30	99	118267	14.50	ng	-0.05
23) Nitrobenzene-d5	7.22	82	92190	13.97	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	380	0.29	ng	-0.04
44) 2-Fluorobiphenyl	9.02	172	181581	18.83	ng	-0.04
78) Terphenyl-d14	12.76	244	118661	12.59	ng	-0.04
Target Compounds						
49) Dimethylphthalate	9.42	163	42964	3.490	ng	# 97
50) 2,6-Dinitrotoluene	9.70	165	21371	7.850	ng	# 33
56) 2,4-Dinitrotoluene	9.70	165	21371	6.199	ng	# 32
70) Phenanthrene	11.20	178	64003	5.044	ng	100
71) Anthracene	11.20	178	64003	4.950	ng	99
74) Fluoranthene	12.38	202	66541	5.349	ng	96
77) Pyrene	12.61	202	59414	3.676	ng	100
80) Benzo(a)anthracene	13.80	228	28857	2.475	ng	94
82) Chrysene	13.83	228	27974	2.291	ng	# 92
87) Benzo(b)fluoranthene	14.81	252	41028	3.703	ng	# 72
88) Benzo(k)fluoranthene	14.81	252	41028	4.140	ng	# 77
89) Benzo(a)pyrene	15.14	252	22531	2.278	ng	# 75

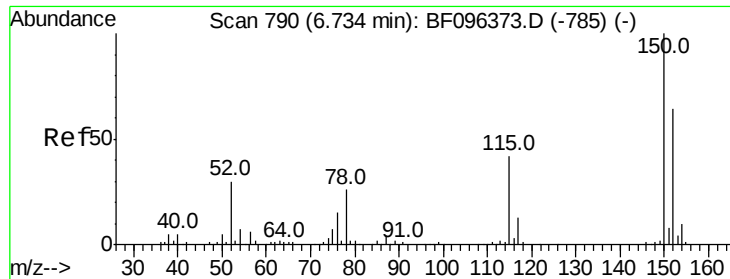
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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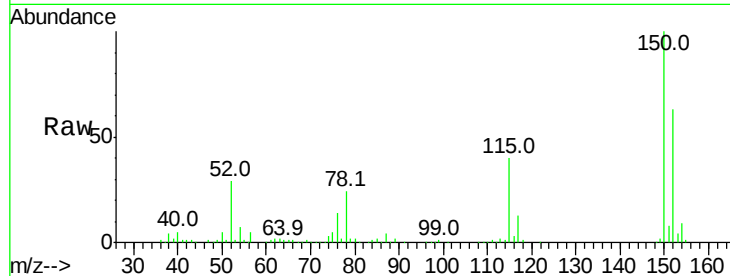


#1

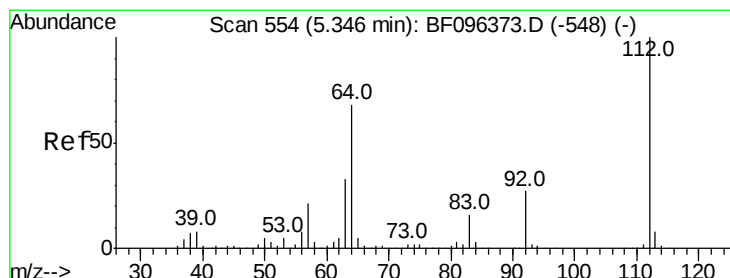
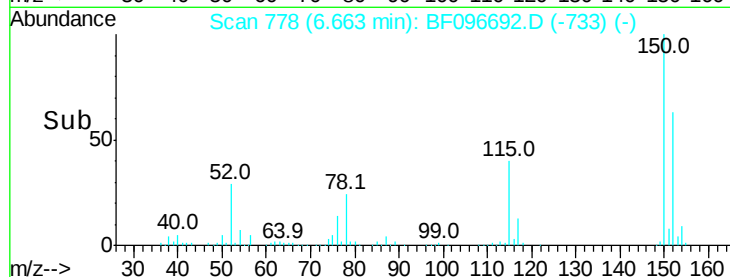
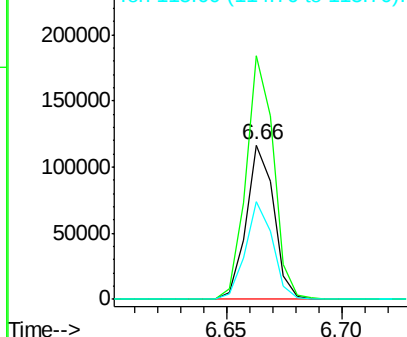
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97898
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 63.5 52.2 78.2



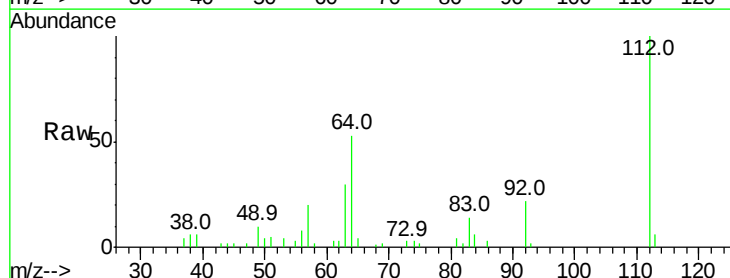
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



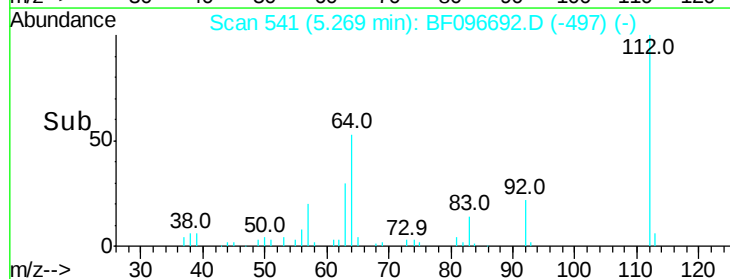
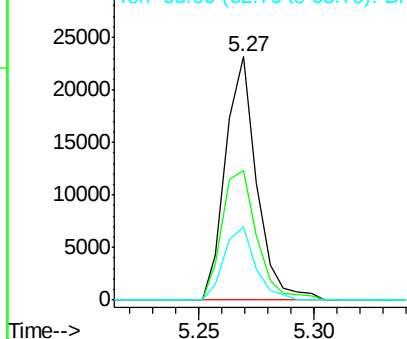
#5

2-Fluorophenol
Concen: 3.282 ng
RT: 5.27 min Scan# 541
Delta R.T. -0.04 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Tgt Ion:112 Resp: 21768
Ion Ratio Lower Upper
112 100
64 53.1 46.0 69.0
63 30.1 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: 14.504 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.05 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

Instrument :

BNA_F

ClientSampleId :

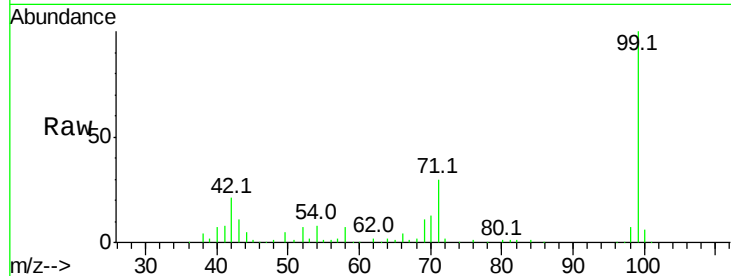
Tot Ion: 99 Resp: 118267

Ion Ratio Lower Upper

99 100

42 21.2 13.5 20.3#

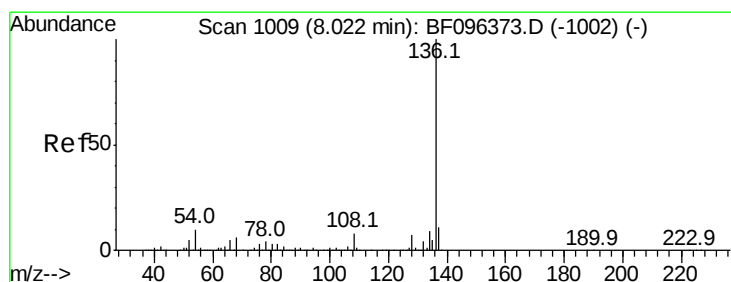
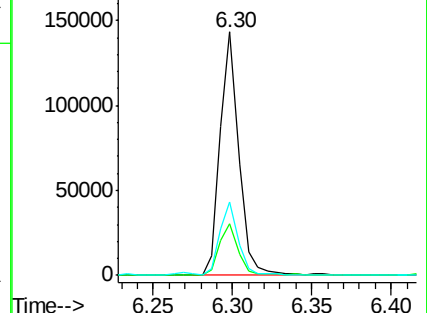
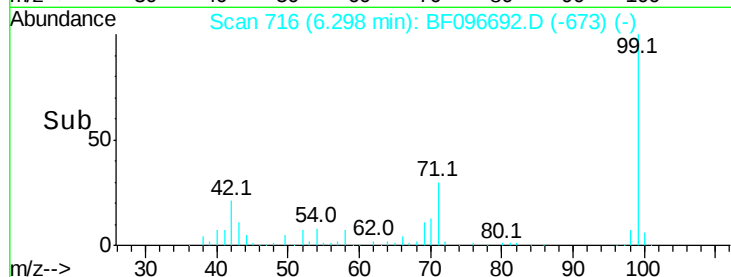
71 30.4 24.5 36.7



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. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

Tgt Ion:136 Resp: 396477

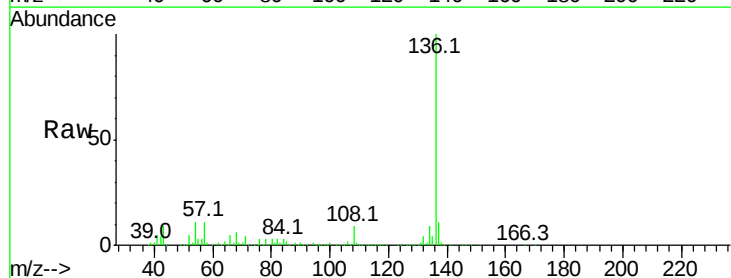
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.9 4.9 7.3#

68 5.6 4.1 6.1

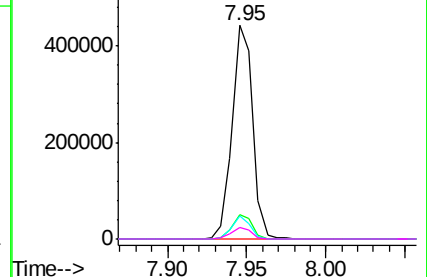
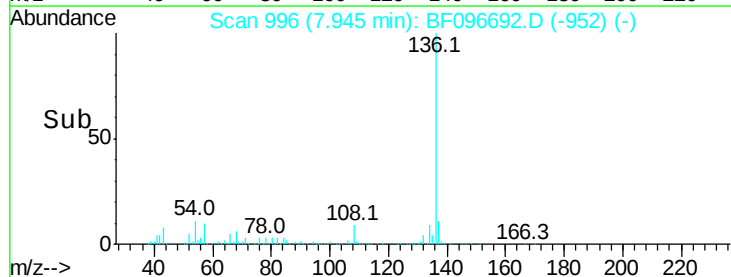


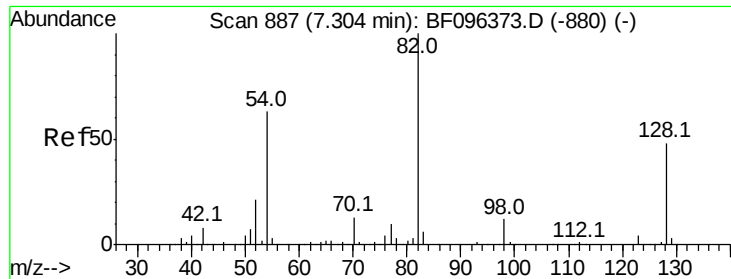
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

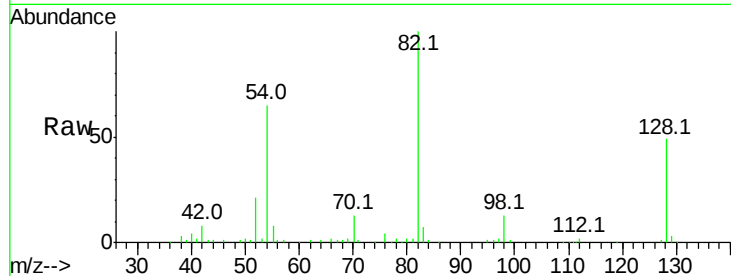




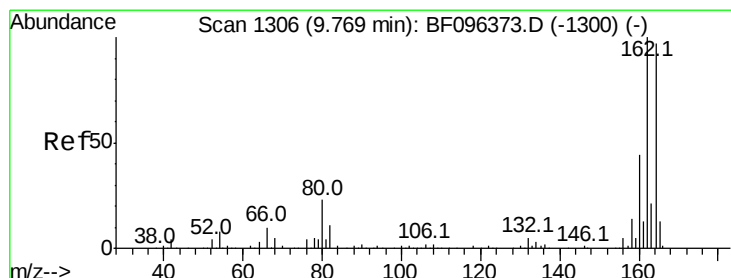
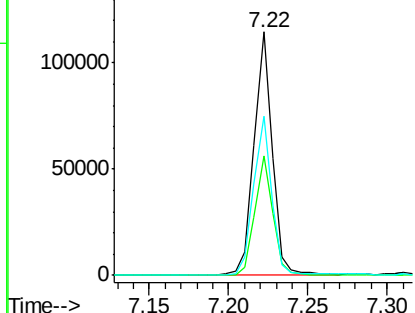
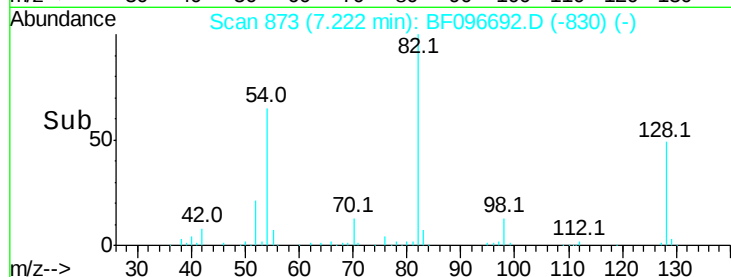
#23
 Nitrobenzene-d5
 Concen: 13.972 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.05 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 92190
 Ion Ratio Lower Upper
 82 100
 128 49.2 34.0 51.0
 54 65.3 42.2 63.2#

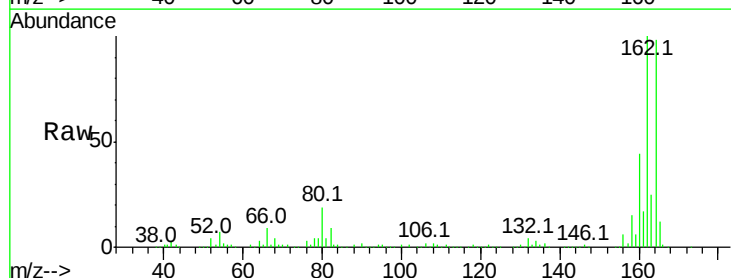


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

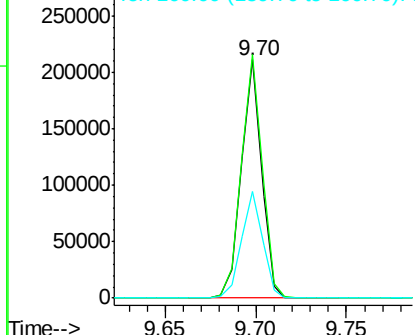
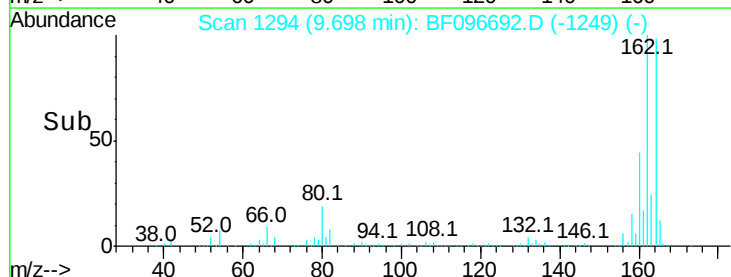


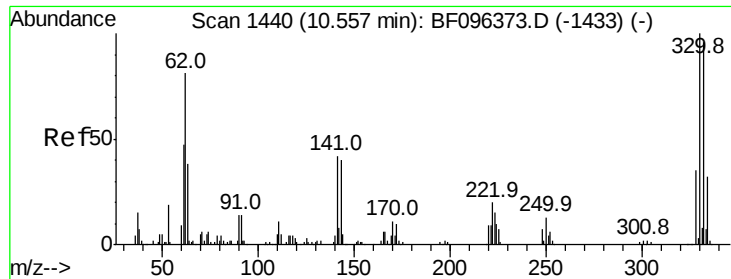
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.04 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

Tgt Ion:164 Resp: 164915
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 44.8 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

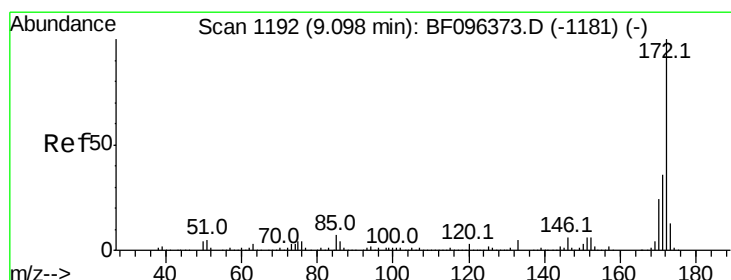
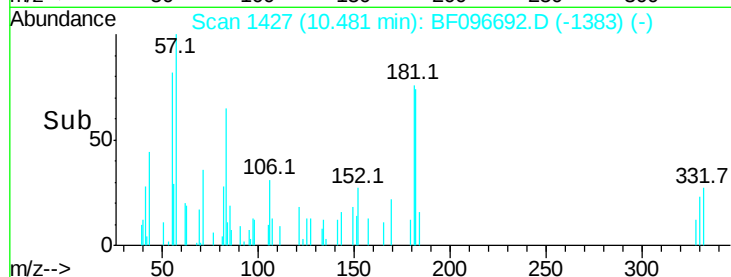
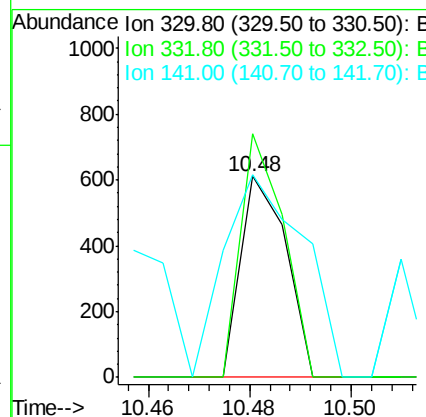
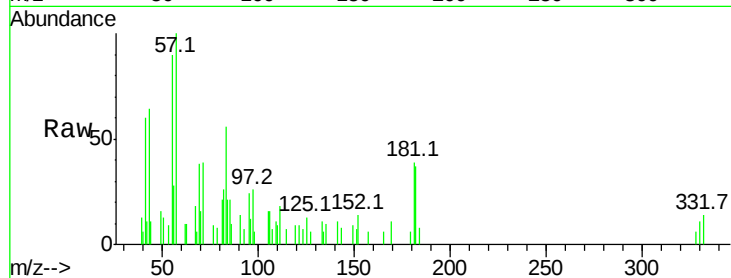




#41
 2,4,6-Tribromophenol
 Concen: 0.295 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

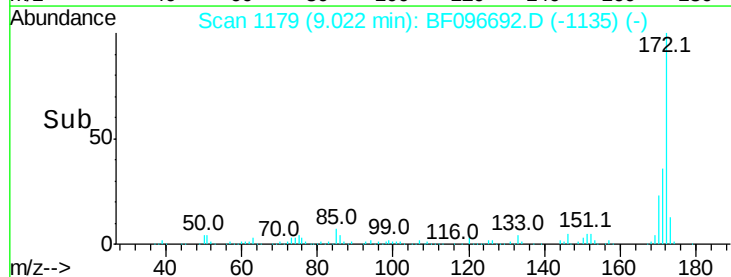
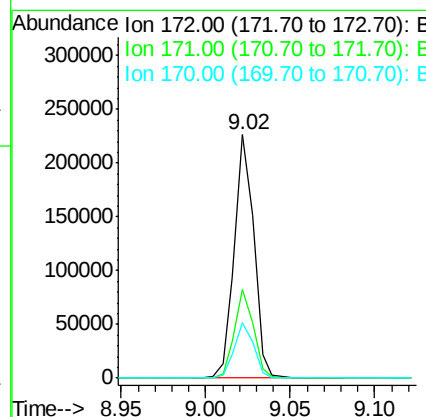
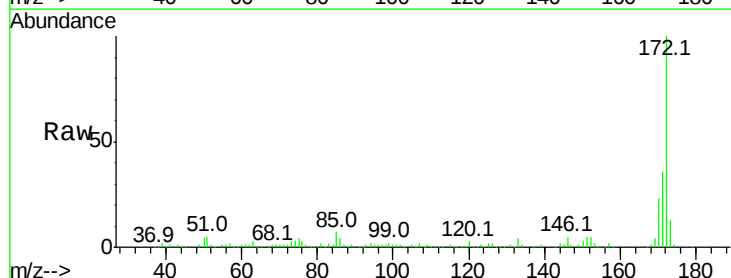
Instrument :
 BNA_F
 ClientSampled :

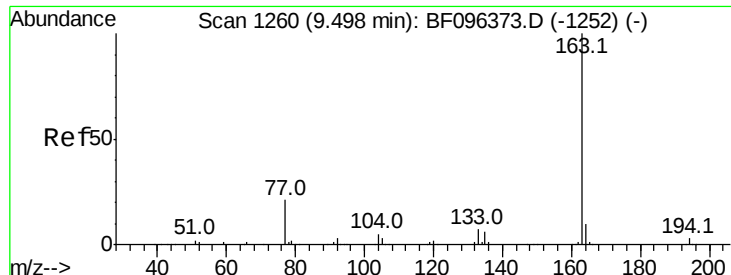
Tot Ion:330 Resp: 380
 Ion Ratio Lower Upper
 330 100
 332 114.7 76.6 115.0
 141 175.5 31.4 47.2#



#44
 2-Fluorobiphenyl
 Concen: 18.826 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.04 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

Tgt Ion:172 Resp: 181581
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 23.0 19.8 29.8

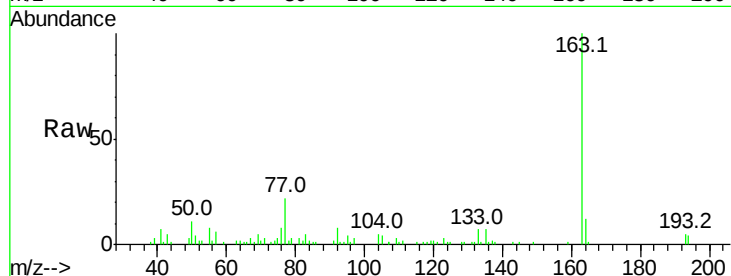




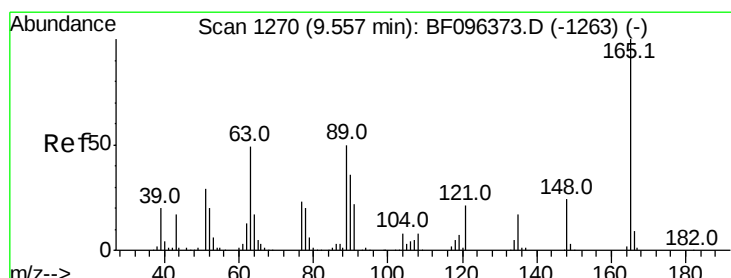
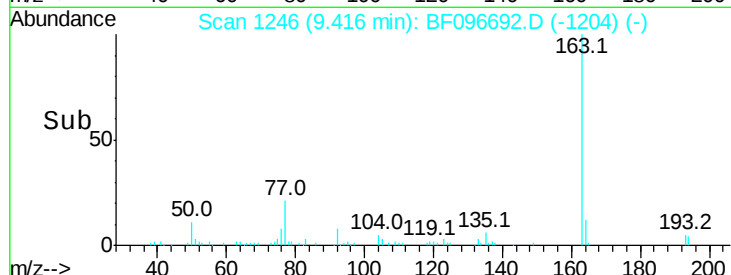
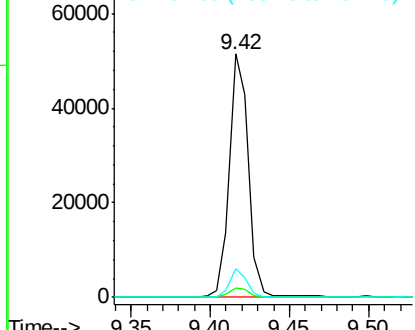
#49
Dimethylphthalate
Concen: 3.490 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.05 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 42964
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 11.9 8.4 12.6

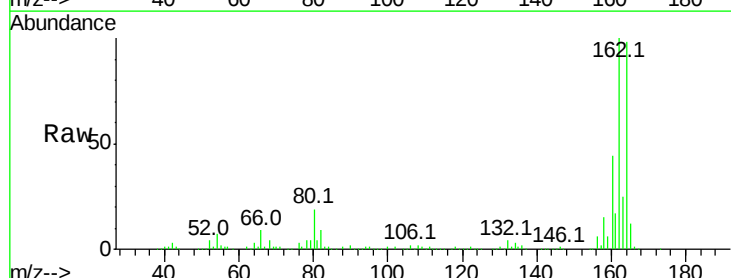


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

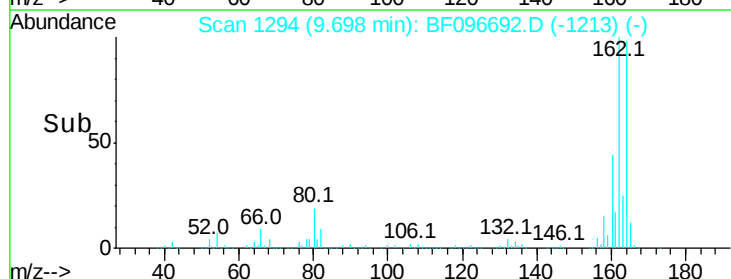
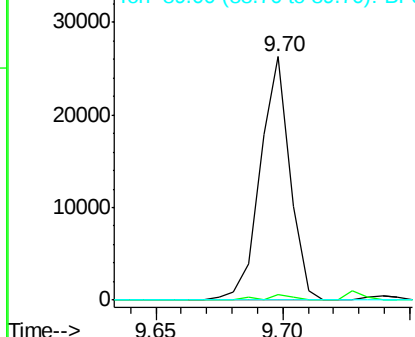


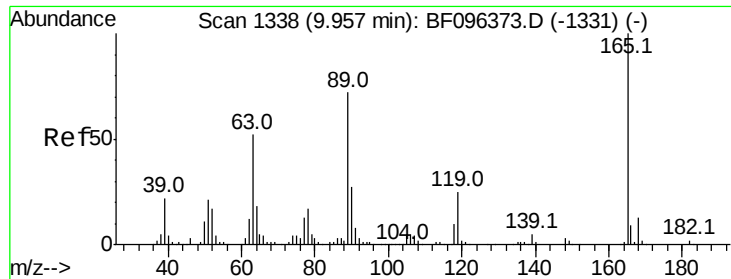
#50
2,6-Dinitrotoluene
Concen: 7.850 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.18 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Tgt Ion:165 Resp: 21371
Ion Ratio Lower Upper
165 100
63 2.5 34.3 51.5#
89 0.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

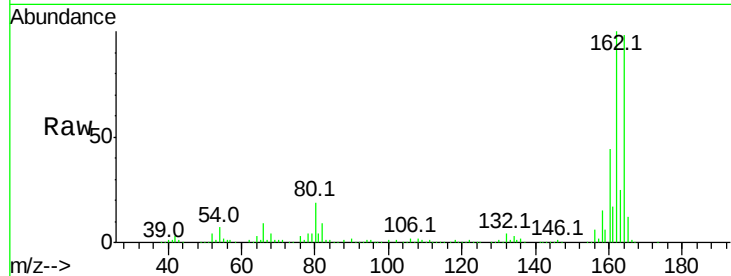




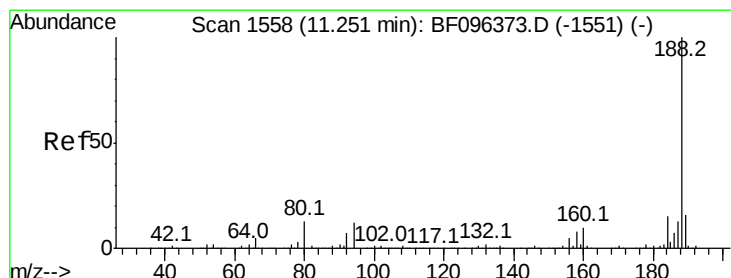
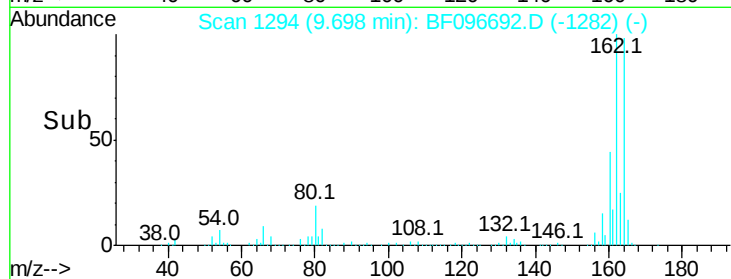
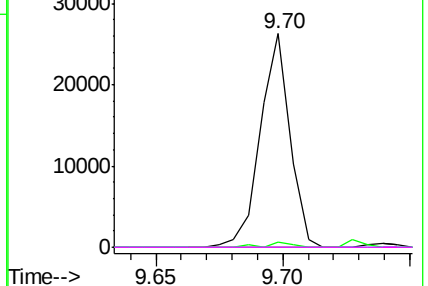
#56
 2,4-Dinitrotoluene
 Concen: 6.199 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.23 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 21371
 Ion Ratio Lower Upper
 165 100
 63 2.5 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#

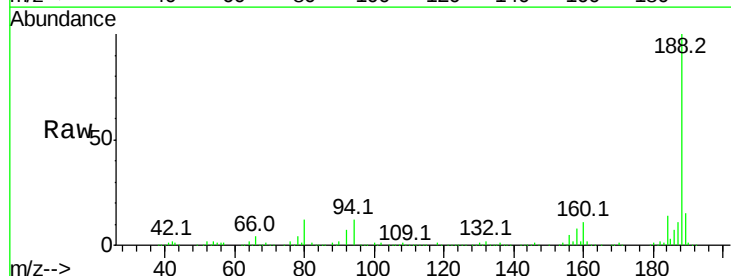


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

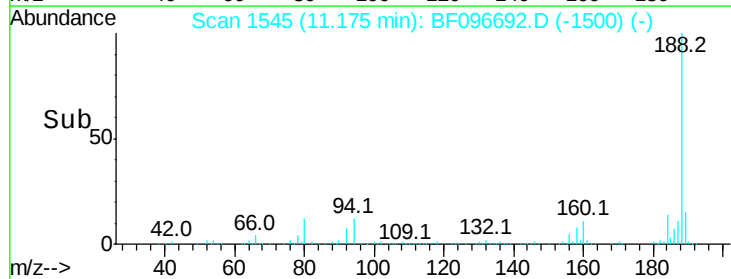
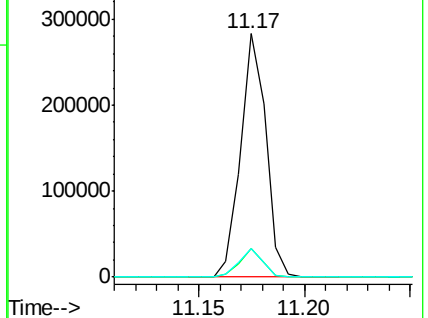


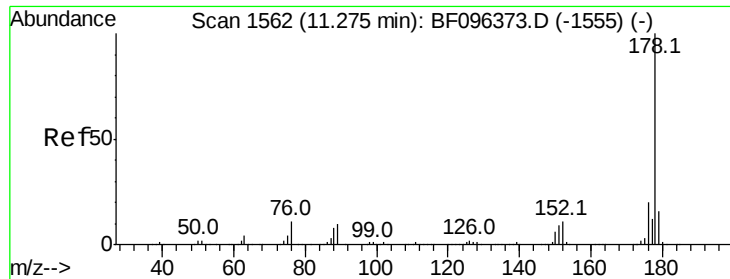
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.04 min
 Lab File: BF096692.D
 Acq: 12 Jul 2017 15:27

Tgt Ion:188 Resp: 234720
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 11.7 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

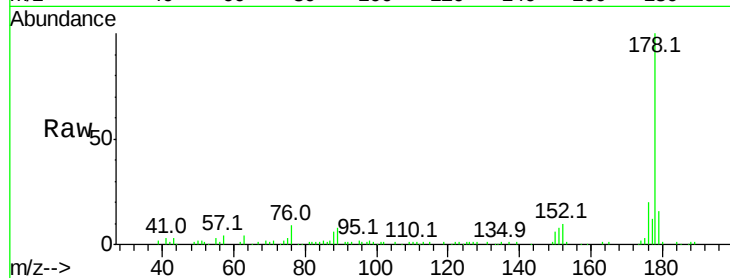




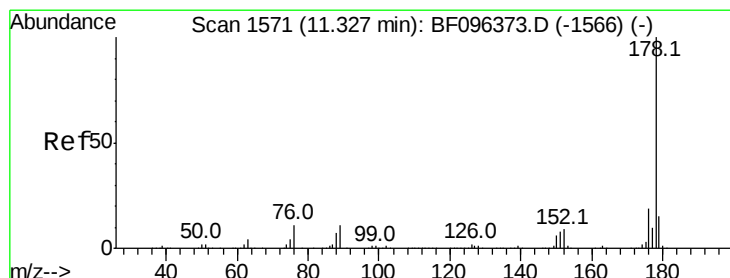
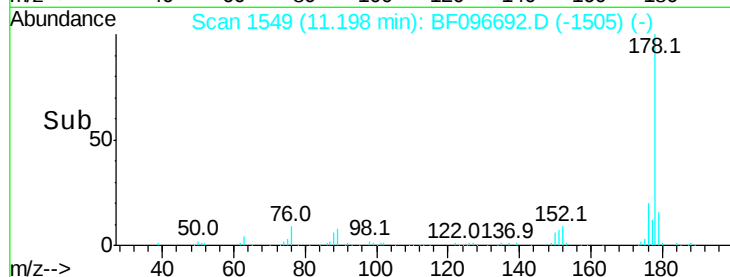
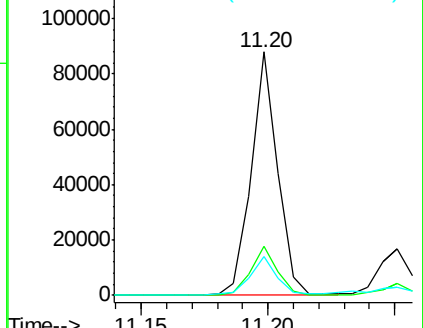
#70
Phenanthrene
Concen: 5.044 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 64003
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 16.0 12.6 19.0

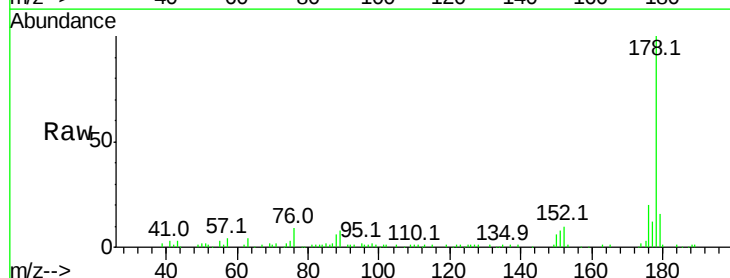


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

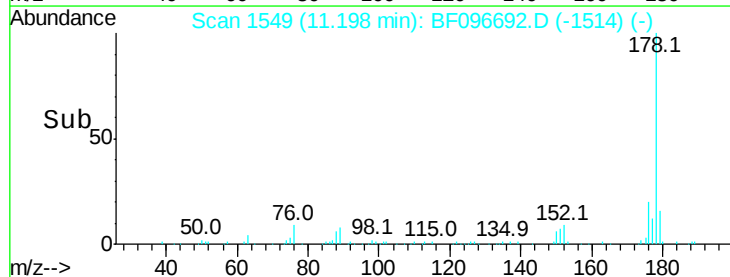
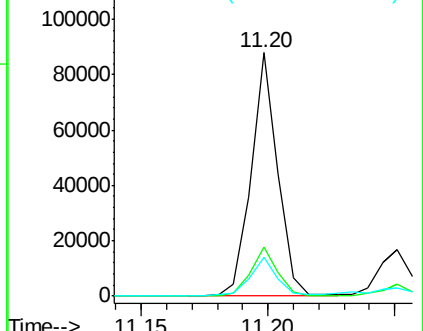


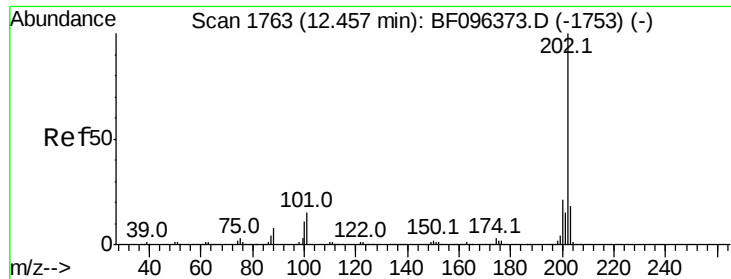
#71
Anthracene
Concen: 4.950 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.09 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Tgt Ion:178 Resp: 64003
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.0 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: 5.349 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

Instrument :

BNA_F

ClientSampleId :

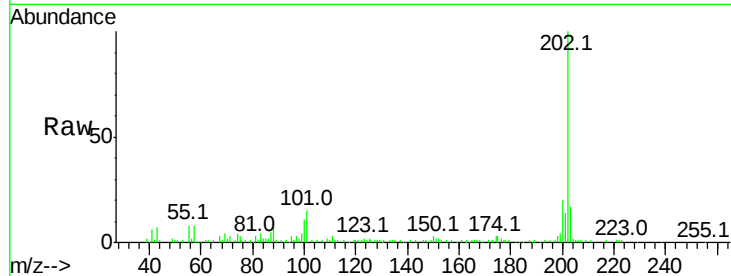
Tot Ion:202 Resp: 66541

Ion Ratio Lower Upper

202 100

101 14.9 0.0 33.2

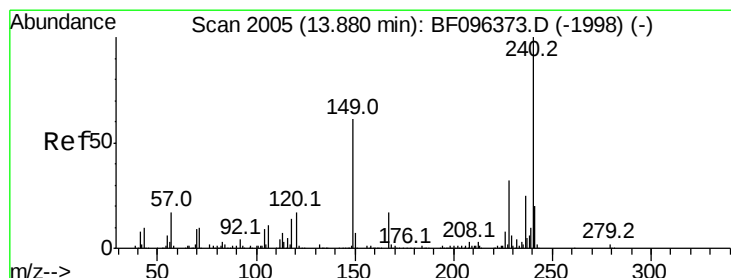
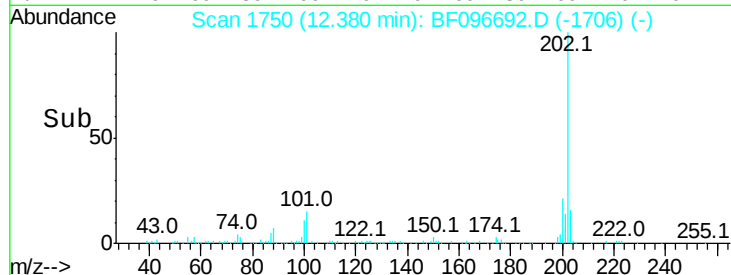
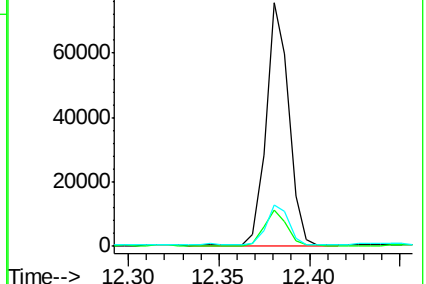
203 16.7 0.0 38.1



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# 1992

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

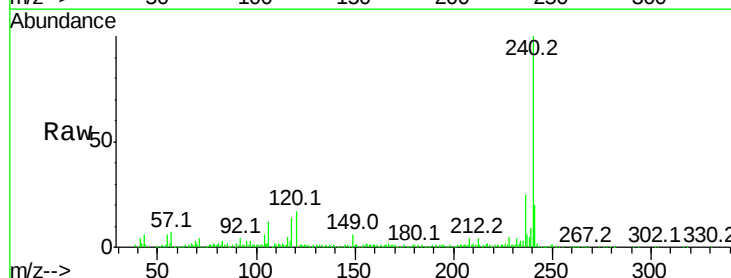
Tgt Ion:240 Resp: 201367

Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

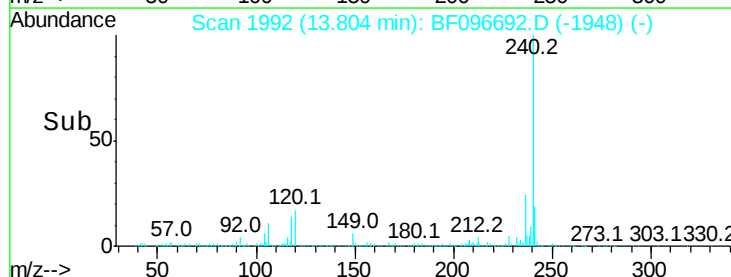
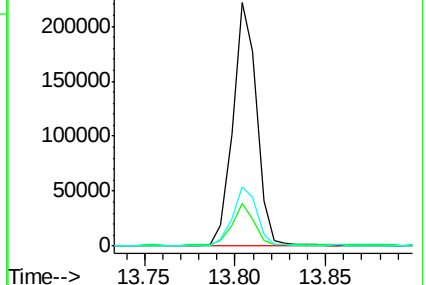
236 24.5 20.5 30.7

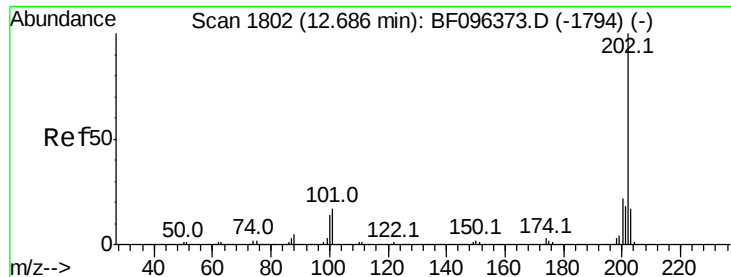


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.676 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

Instrument :

BNA_F

ClientSampleId :

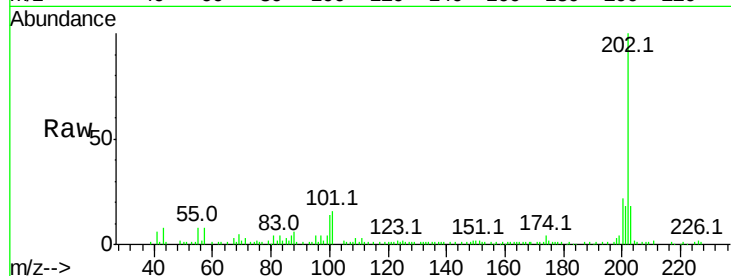
Tot Ion:202 Resp: 59414

Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

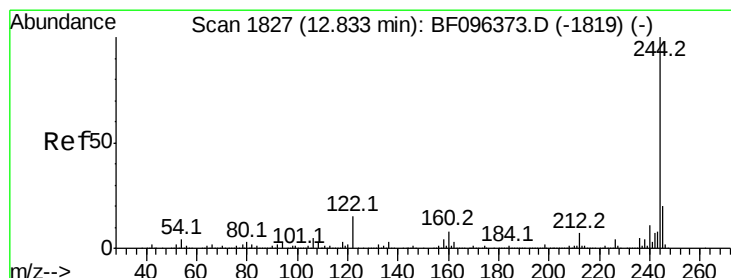
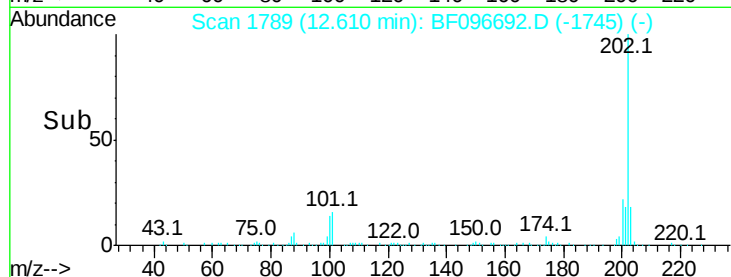
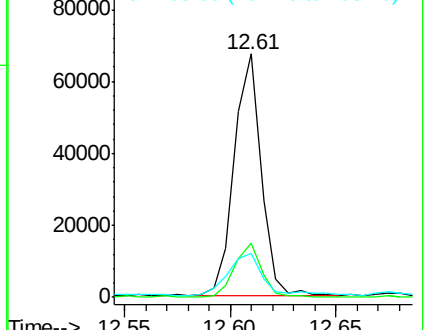
203 18.2 14.4 21.6



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: 12.592 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

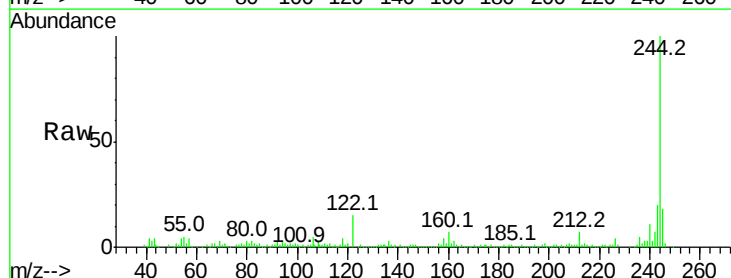
Tgt Ion:244 Resp: 118661

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

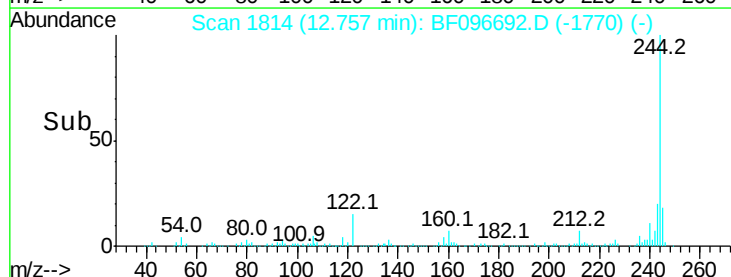
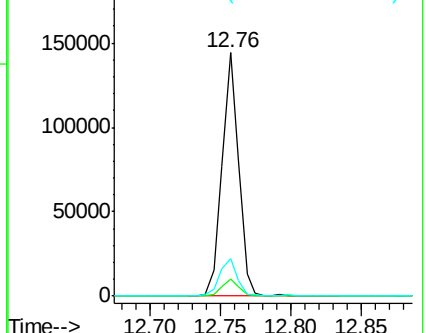
122 15.2 10.3 15.5

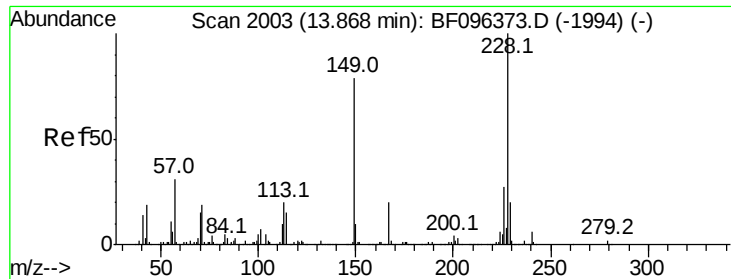


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.475 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

Instrument :

BNA_F

ClientSampleId :

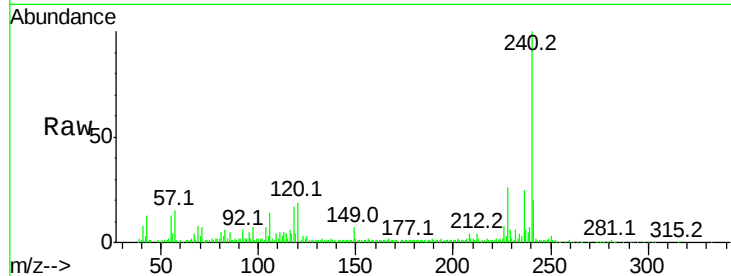
Tot Ion:228 Resp: 28857

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

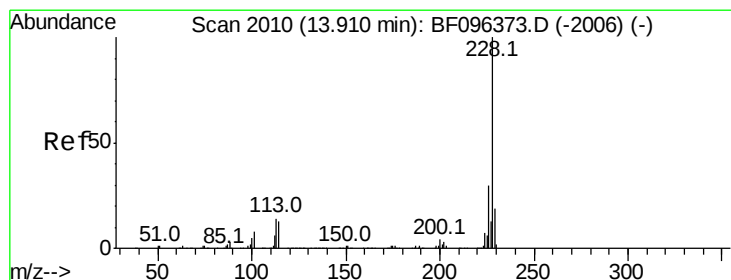
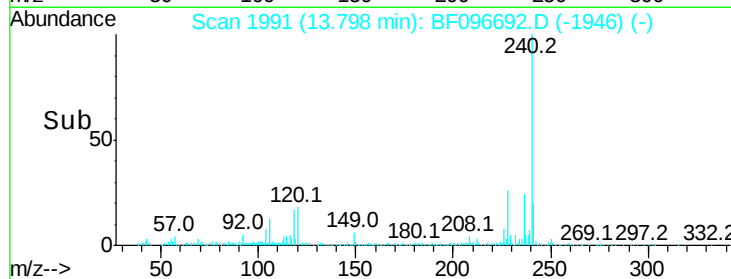
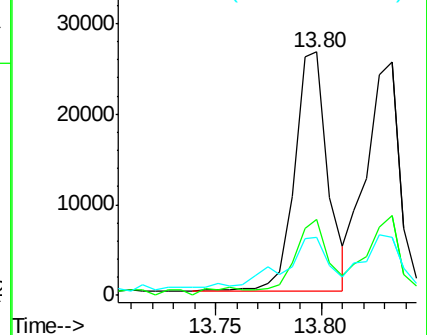
229 23.7 16.3 24.5



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: 2.291 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.04 min

Lab File: BF096692.D

Acq: 12 Jul 2017 15:27

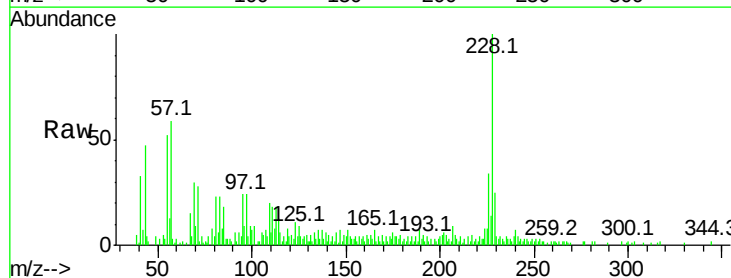
Tgt Ion:228 Resp: 27974

Ion Ratio Lower Upper

228 100

226 34.4 24.9 37.3

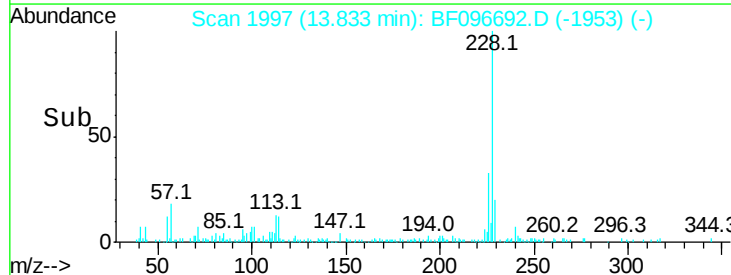
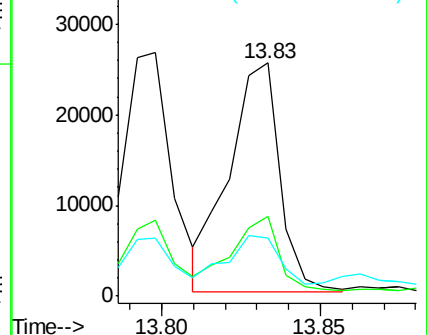
229 25.0 15.8 23.6#

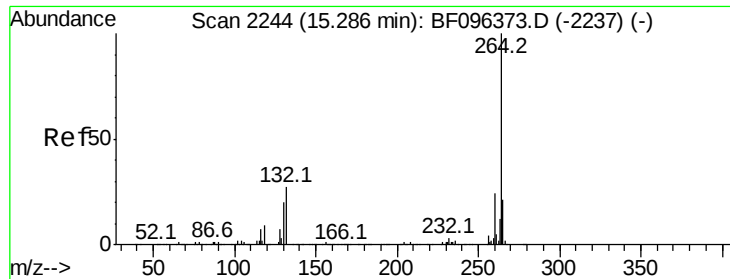


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

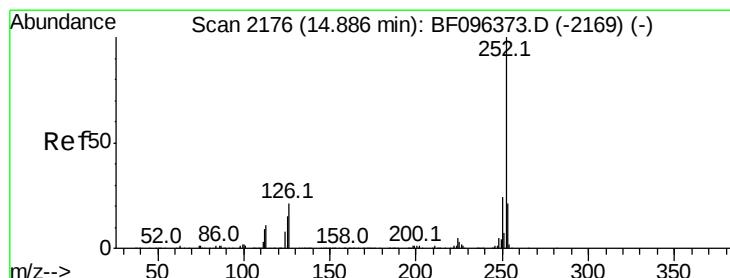
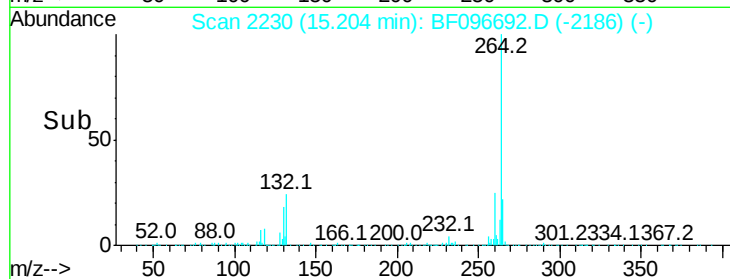
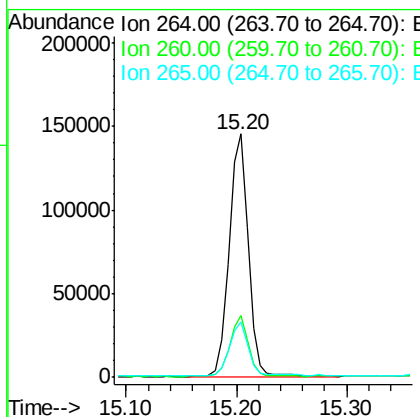
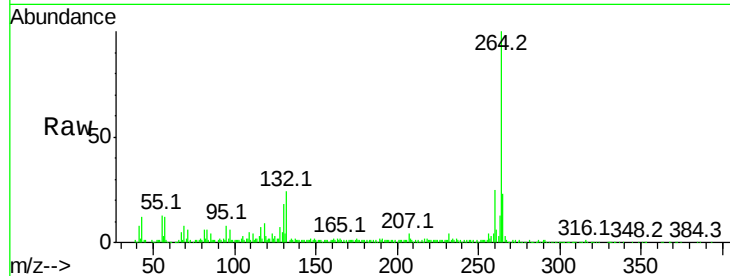




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

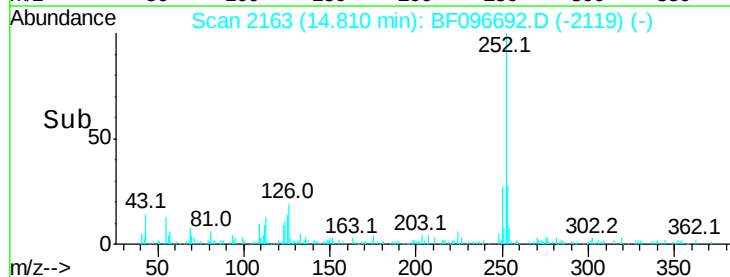
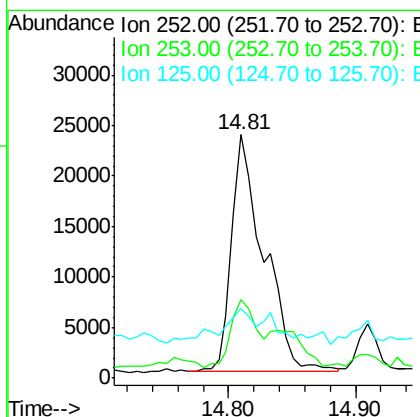
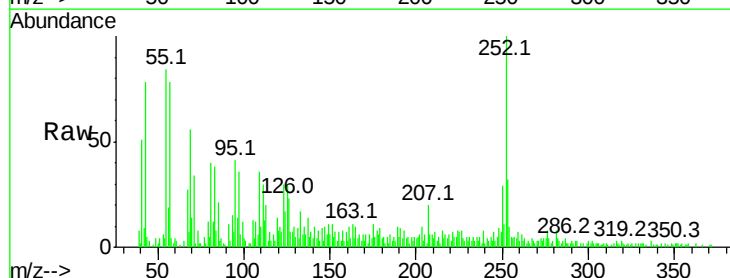
Instrument :
BNA_F
ClientSampleId :

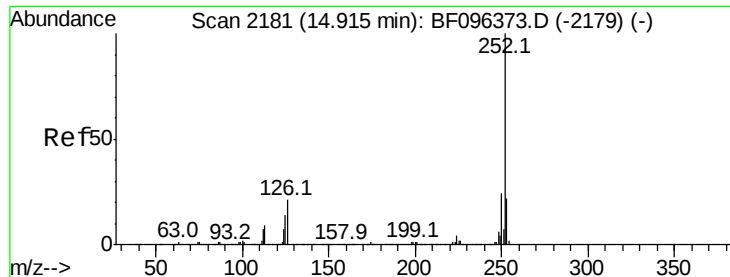
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	22.7	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.703 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.1	27.1#
125	28.6	9.8	14.8#

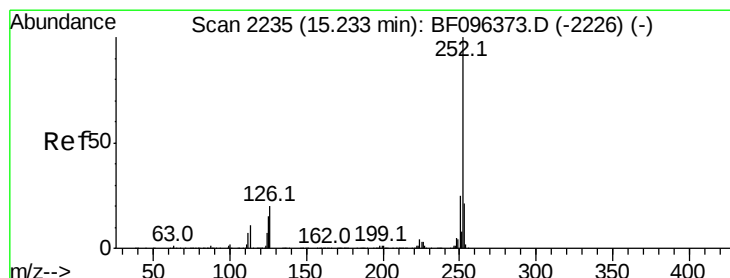
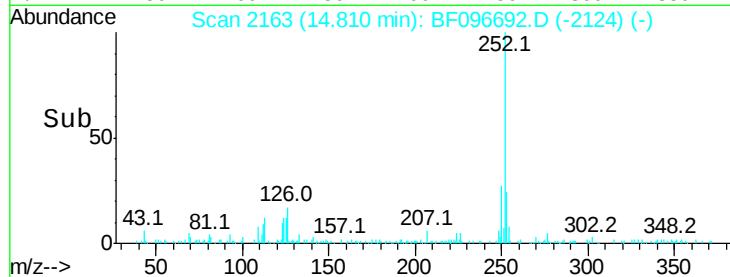
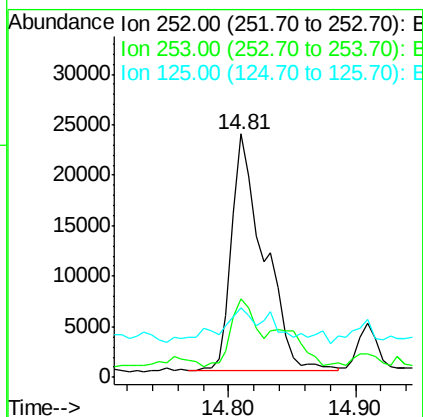
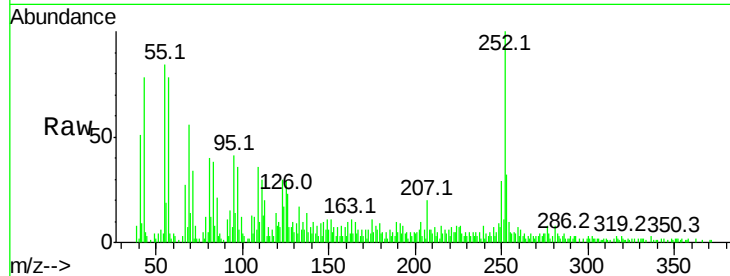




#88
Benzo(k)fluoranthene
Concen: 4.140 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.07 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.4	27.6#
125	28.6	13.1	19.7#



#89
Benzo(a)pyrene
Concen: 2.278 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.05 min
Lab File: BF096692.D
Acq: 12 Jul 2017 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	34.7	11.0	16.4#

