

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\
 Data File : BF096402.D
 Acq On : 2 Jul 2017 2:08
 Operator : SJ/MA
 Sample : I3908-10 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:54:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

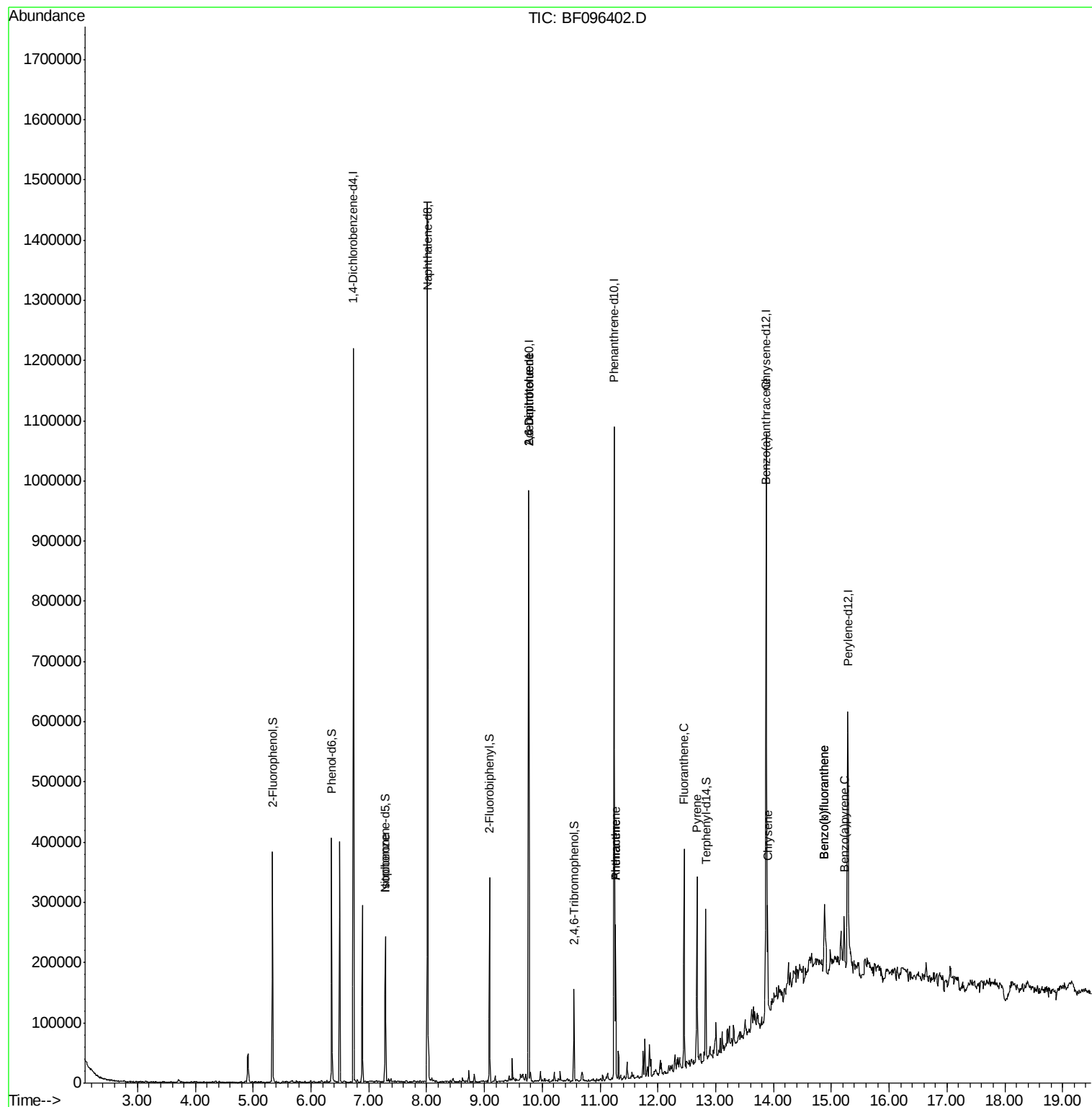
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	160284	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	593721	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	200879	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	342581	20.00	ng	0.00
75) Chrysene-d12	13.87	240	296128	20.00	ng	0.00
86) Perylene-d12	15.29	264	188142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	98829	9.10	ng	-0.01
7) Phenol-d6	6.36	99	113169	8.48	ng	-0.02
23) Nitrobenzene-d5	7.29	82	59796	6.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	13349	8.51	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	97556	8.30	ng	-0.01
78) Terphenyl-d14	12.83	244	66983	4.83	ng	0.00
Target Compounds						
25) Isophorone	7.29	82	59500	3.11	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	26087	7.87	ng	# 32
56) 2,4-Dinitrotoluene	9.76	165	26087	6.21	ng	# 32
70) Phenanthrene	11.27	178	85042	4.59	ng	99
71) Anthracene	11.27	178	85042	4.51	ng	98
74) Fluoranthene	12.45	202	127877	7.04	ng	97
77) Pyrene	12.68	202	119076	5.01	ng	98
80) Benzo(a)anthracene	13.86	228	54490	3.18	ng	92
82) Chrysene	13.90	228	59762	3.33	ng	99
87) Benzo(b)fluoranthene	14.89	252	63974	5.43	ng	# 91
88) Benzo(k)fluoranthene	14.89	252	63974	6.07	ng	# 95
89) Benzo(a)pyrene	15.22	252	32837	3.12	ng	# 93

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

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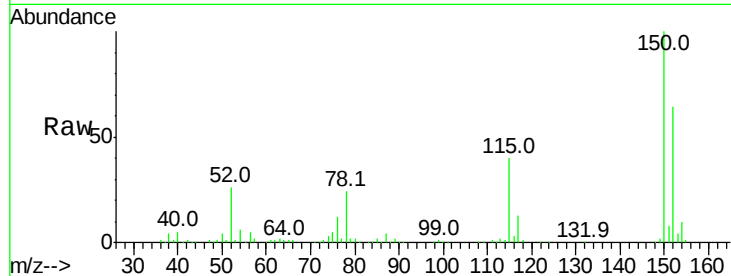


#1

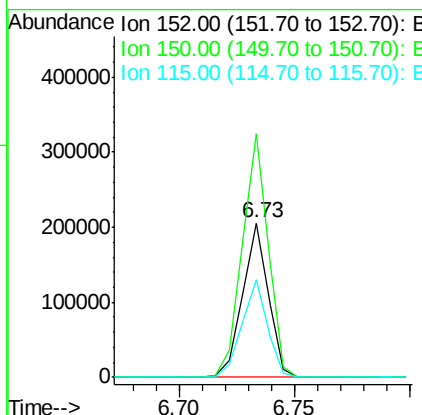
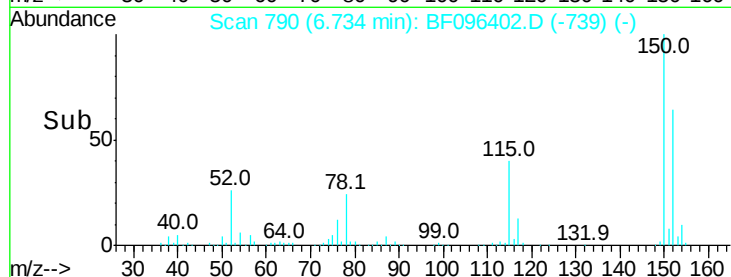
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	62.8	52.2	78.2



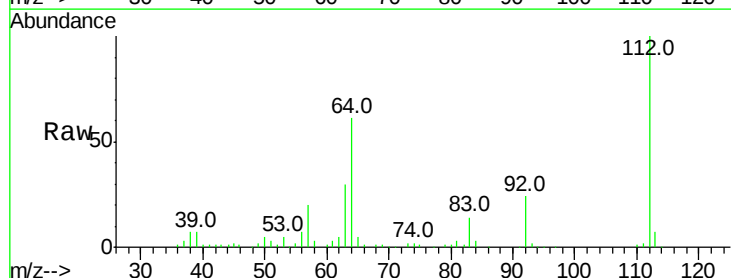
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



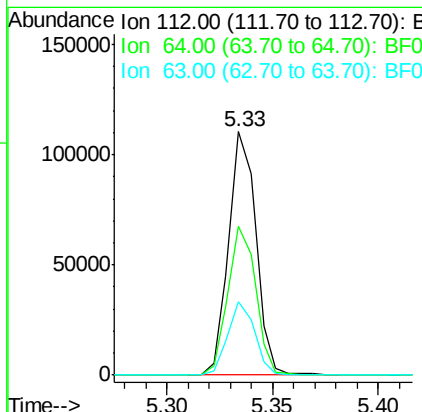
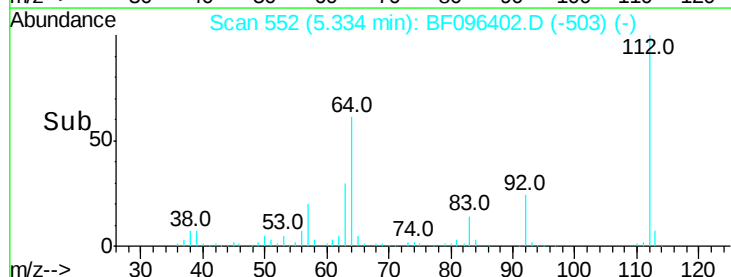
#5

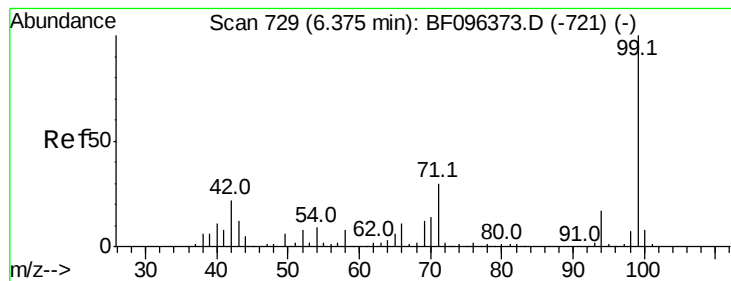
2-Fluorophenol
Concen: 9.10 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	46.0	69.0
63	30.3	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: 8.48 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

ClientSampleId :

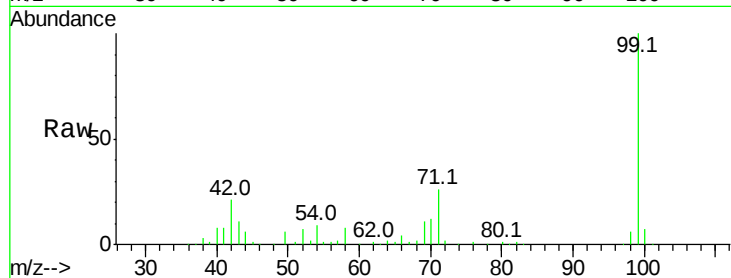
Tot Ion: 99 Resp: 113169

Ion Ratio Lower Upper

99 100

42 20.8 13.5 20.3#

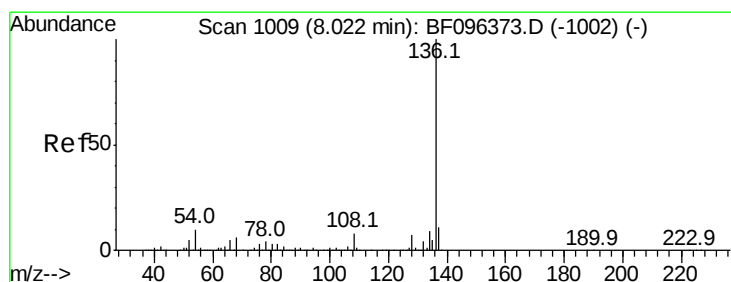
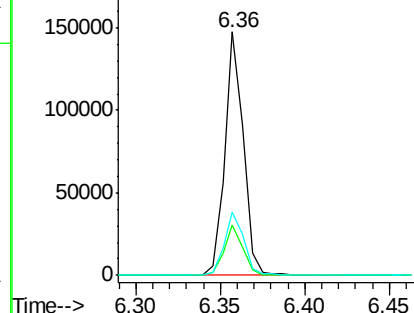
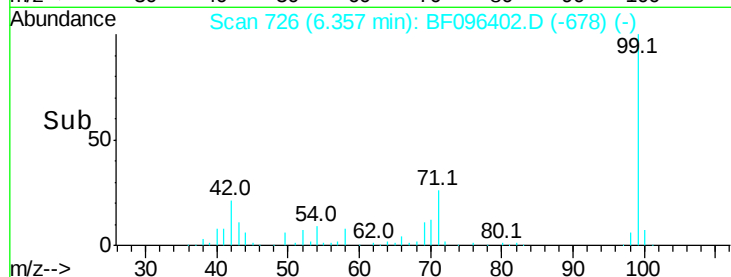
71 26.0 24.5 36.7



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: 20.00 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Tgt Ion: 136 Resp: 593721

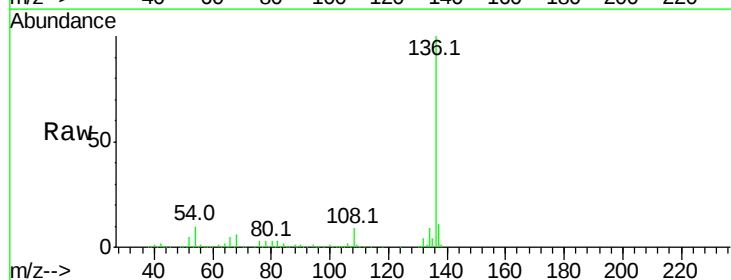
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.1 4.9 7.3#

68 5.7 4.1 6.1

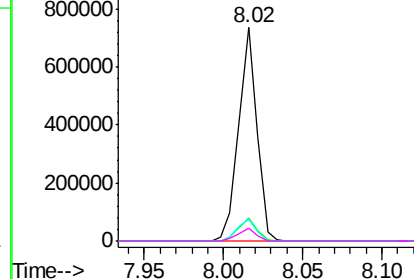
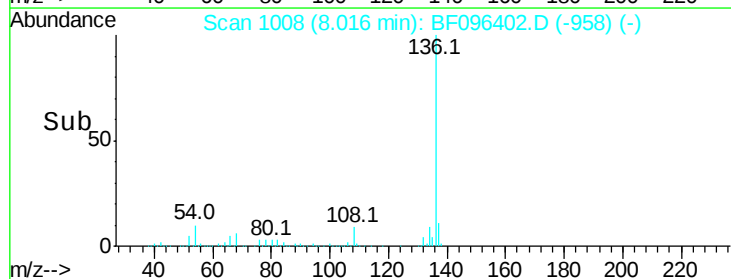


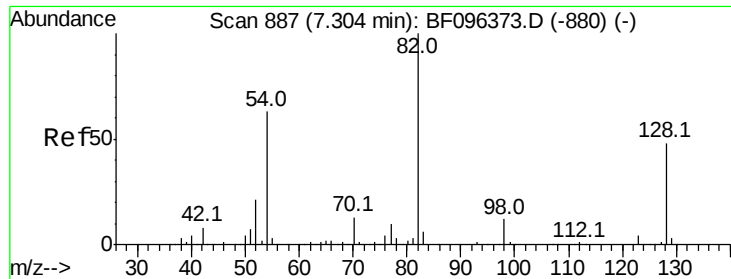
Abundance Ion 136.00 (135.70 to 136.70): E

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

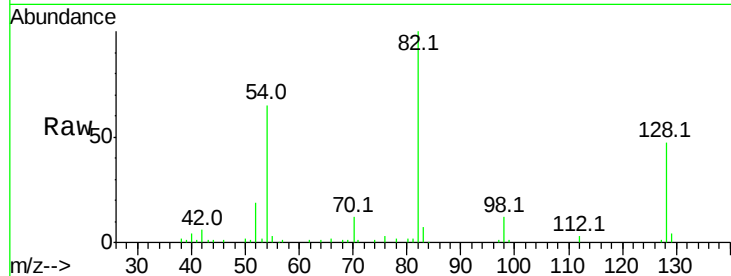




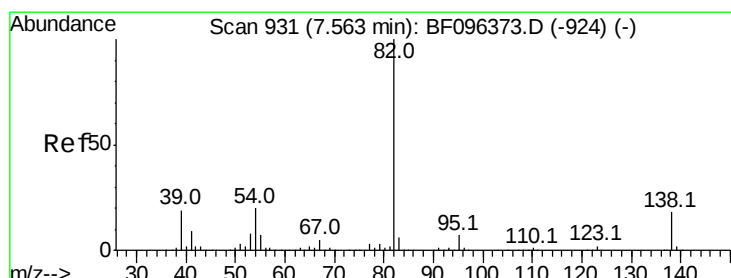
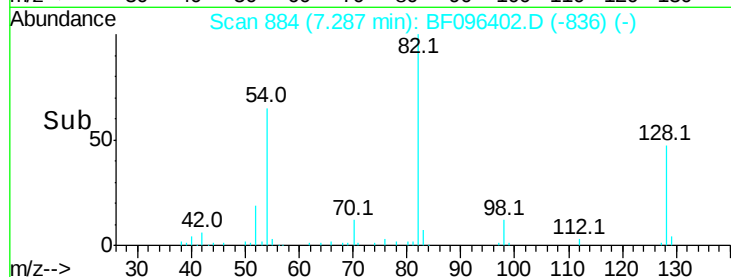
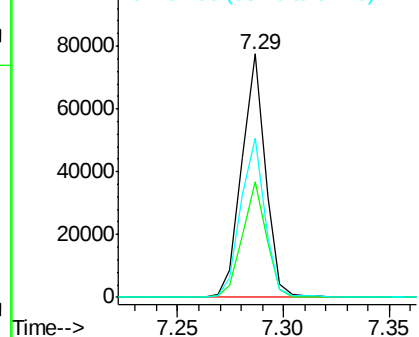
#23
 Nitrobenzene-d5
 Concen: 6.05 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.02 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	34.0	51.0
54	65.2	42.2	63.2#

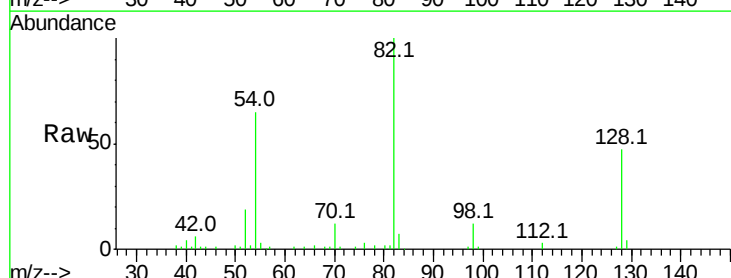


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

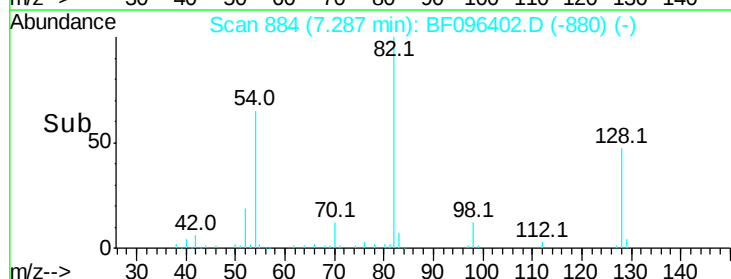
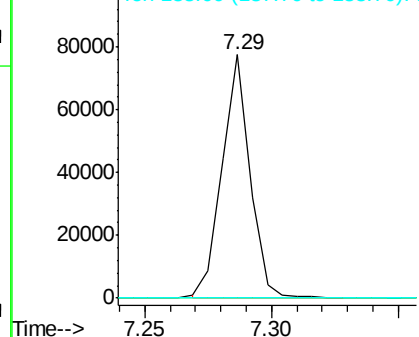


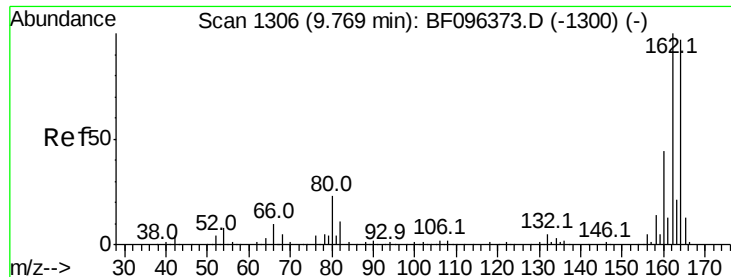
#25
 Isophorone
 Concen: 3.11 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.28 min
 Lab File: BF096402.D
 Acq: 2 Jul 2017 2:08

Tgt 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

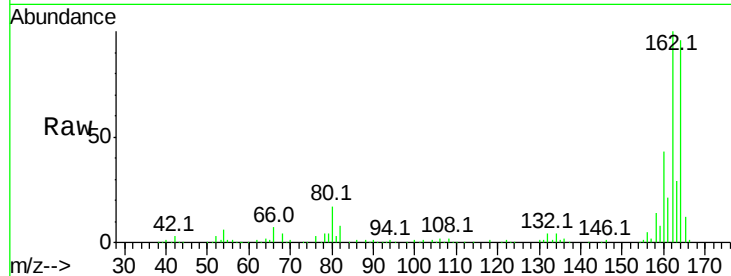




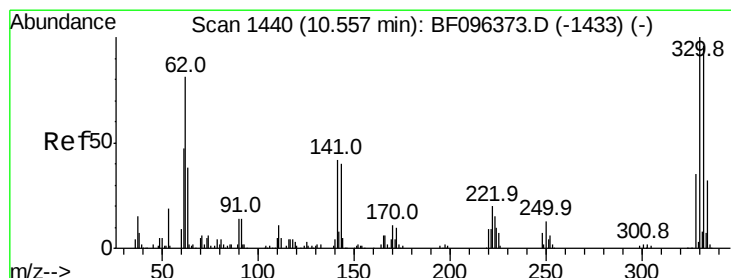
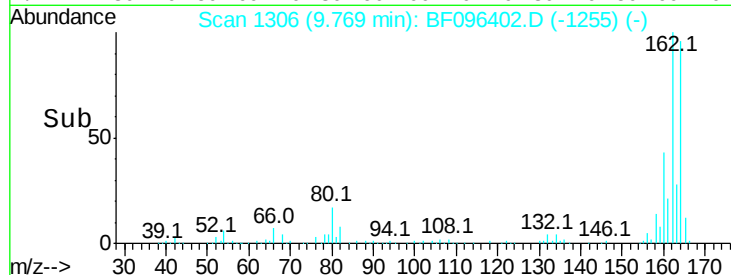
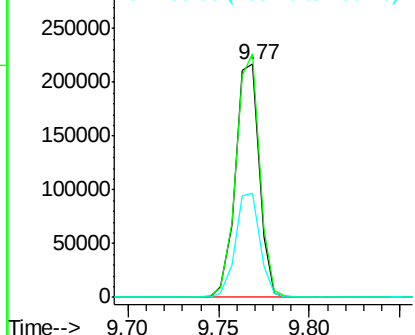
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 200879
Ion Ratio Lower Upper
164 100
162 104.4 82.6 123.8
160 44.9 36.2 54.2

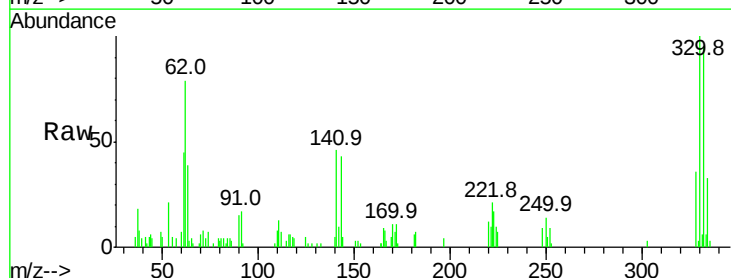


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

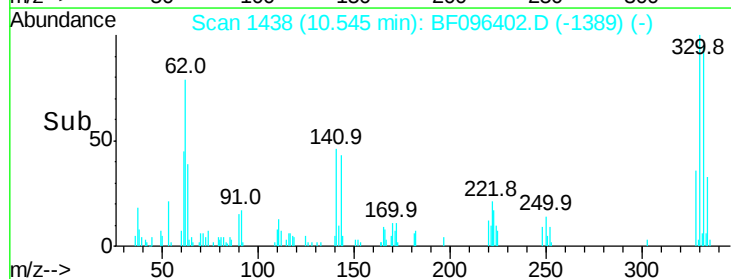
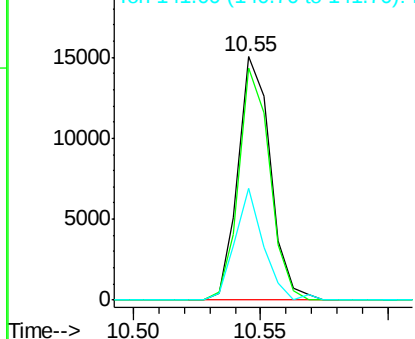


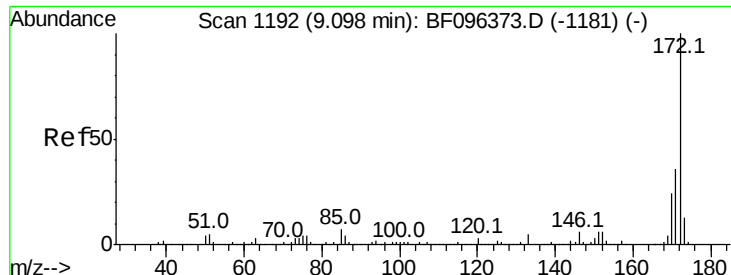
#41
2,4,6-Tribromophenol
Concen: 8.51 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:330 Resp: 13349
Ion Ratio Lower Upper
330 100
332 91.2 76.6 115.0
141 40.4 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

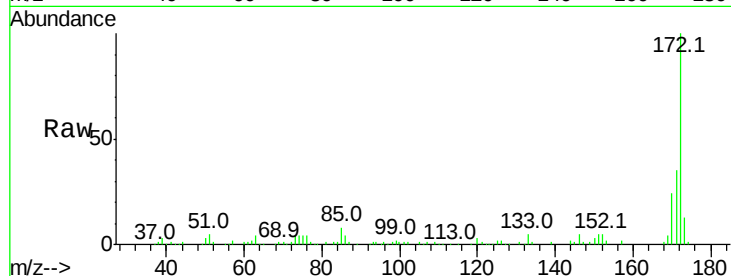




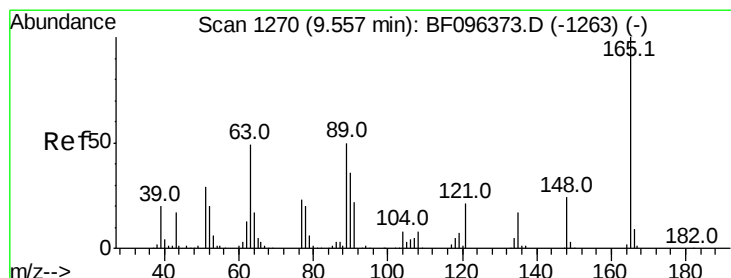
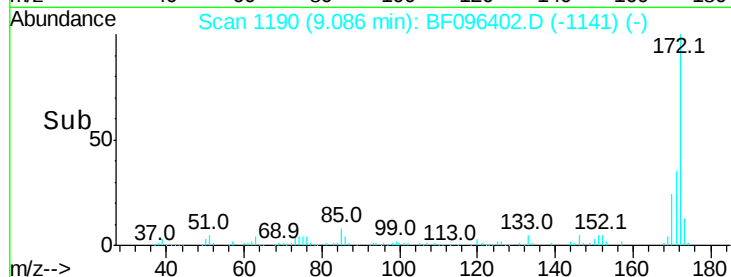
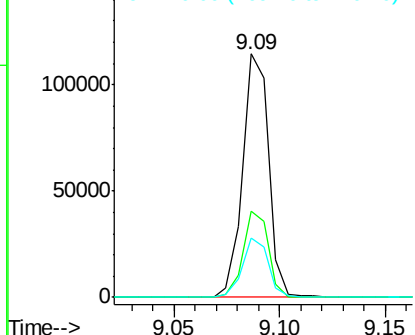
#44
2-Fluorobiphenyl
Concen: 8.30 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 97556
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 24.4 19.8 29.8

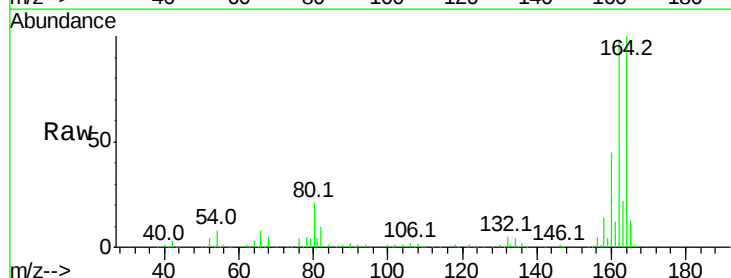


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

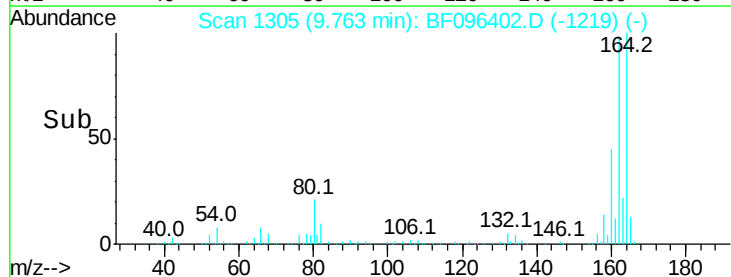
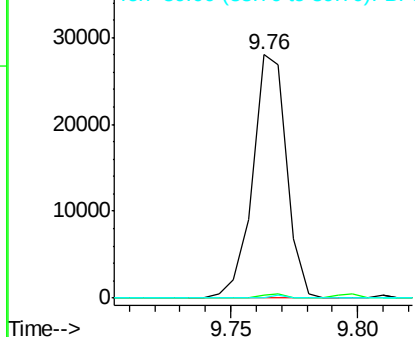


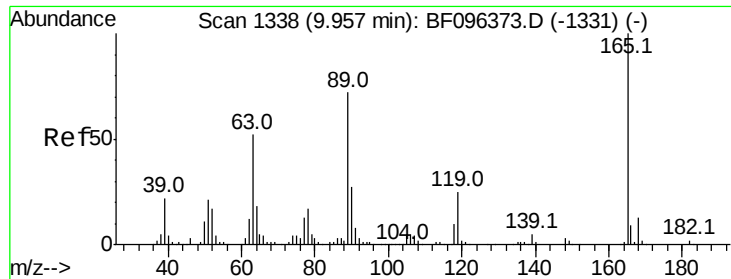
#50
2,6-Dinitrotoluene
Concen: 7.87 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:165 Resp: 26087
Ion Ratio Lower Upper
165 100
63 1.2 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

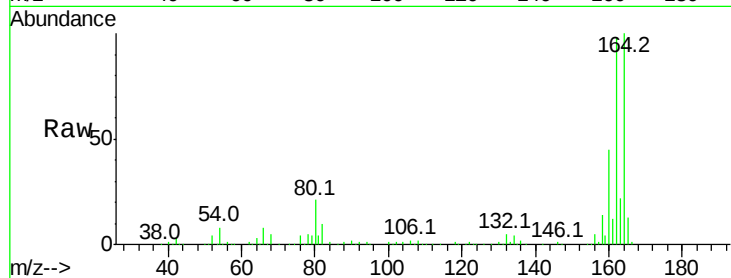




#56
2,4-Dinitrotoluene
Concen: 6.21 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

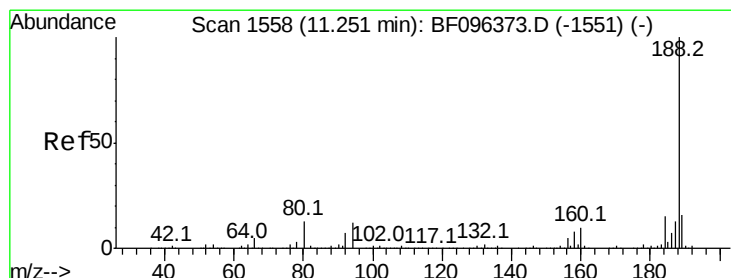
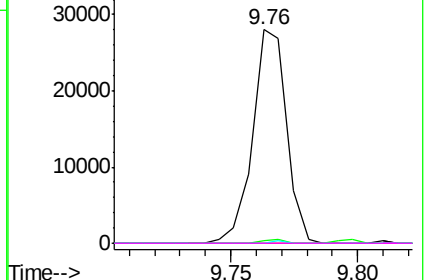
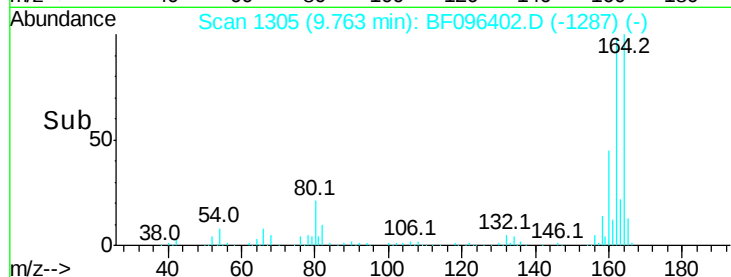


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

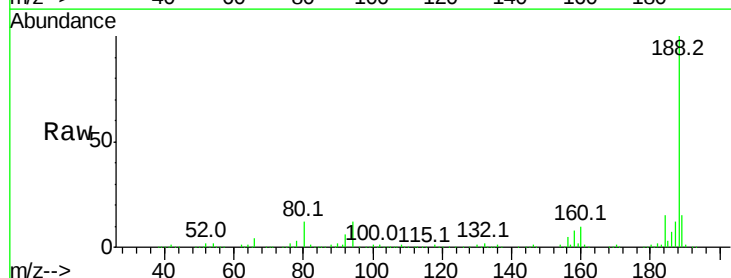
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

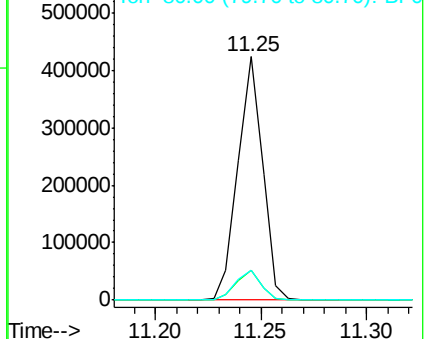
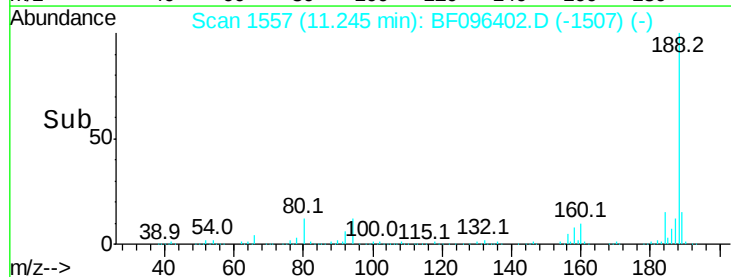
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	12.2	10.2	15.2

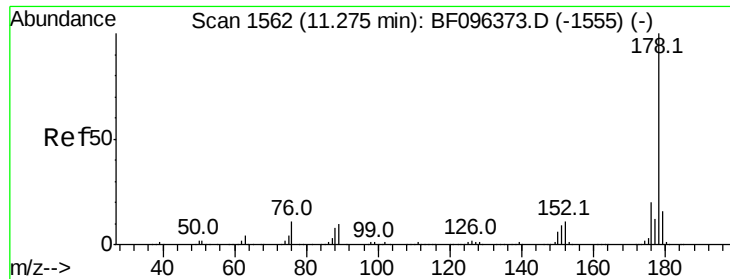


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

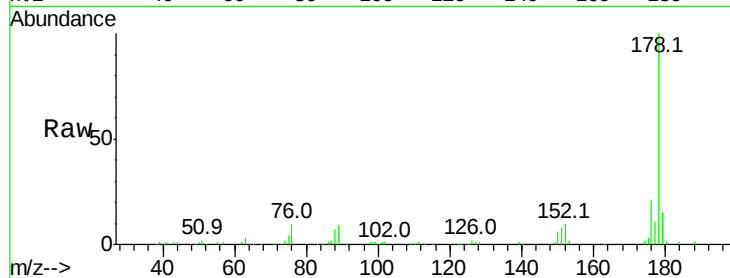




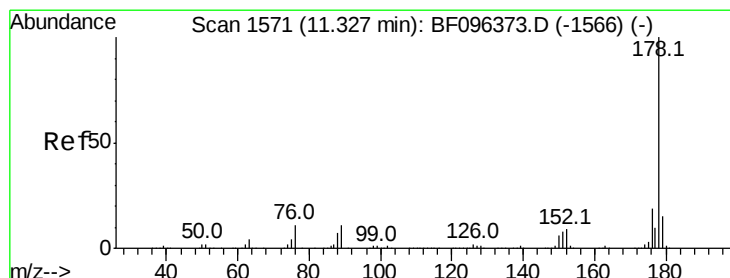
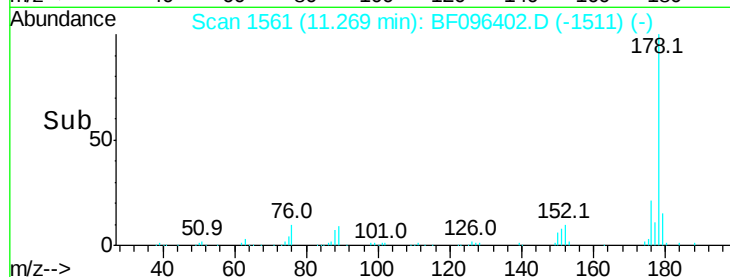
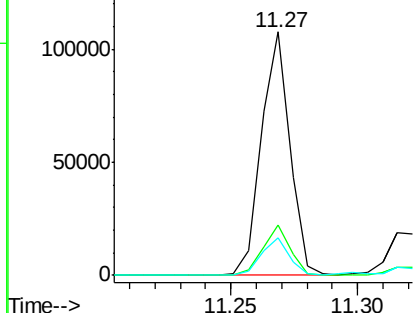
#70
Phenanthrene
Concen: 4.59 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 85042
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.4
179 15.4 12.6 19.0

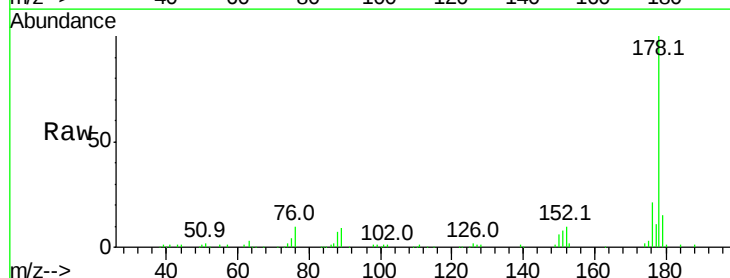


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

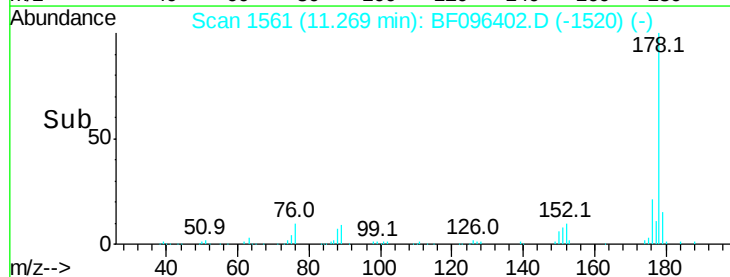
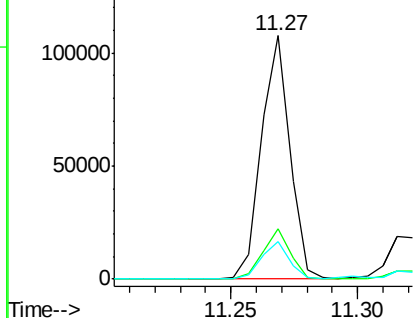


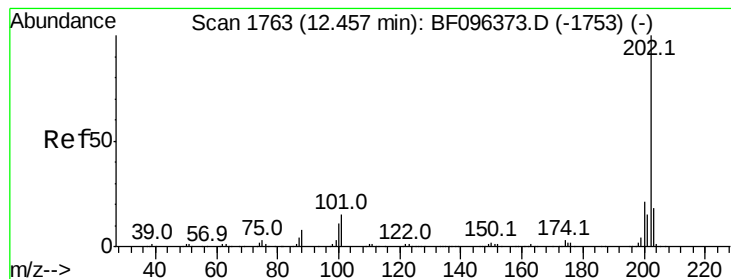
#71
Anthracene
Concen: 4.51 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.06 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:178 Resp: 85042
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 15.4 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: 7.04 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

Instrument :

BNA_F

ClientSampleId :

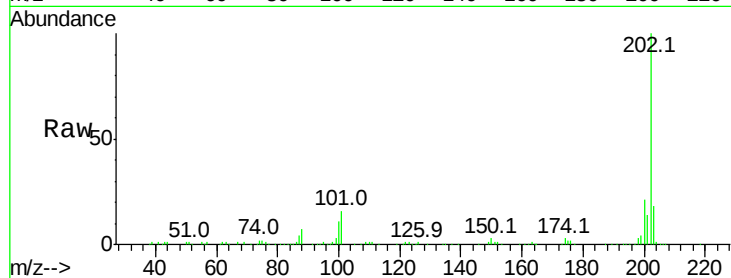
Tot Ion:202 Resp: 127877

Ion Ratio Lower Upper

202 100

101 15.7 0.0 33.2

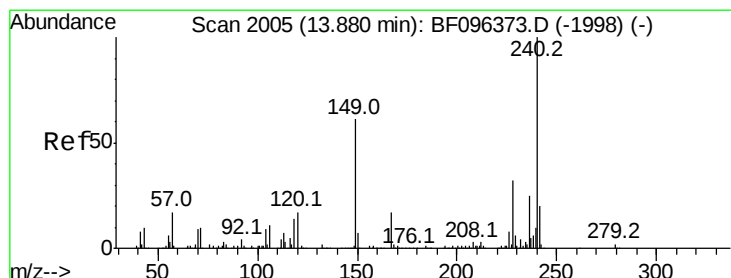
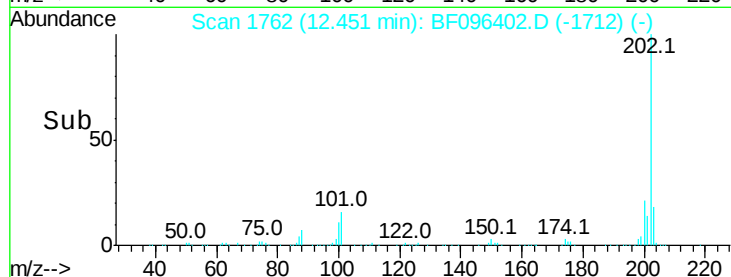
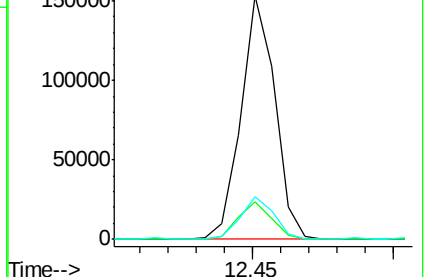
203 17.6 0.0 38.1



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: 20.00 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096402.D

Acq: 2 Jul 2017 2:08

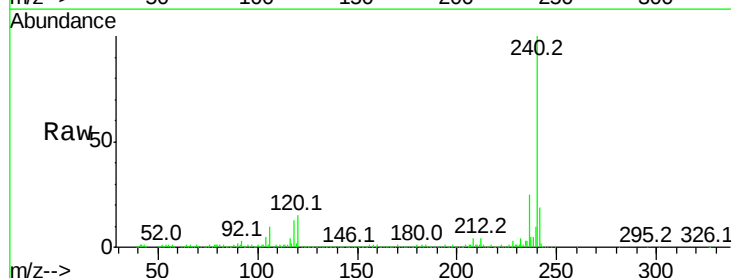
Tgt Ion:240 Resp: 296128

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

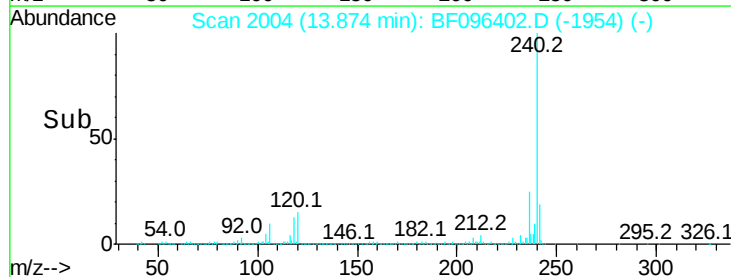
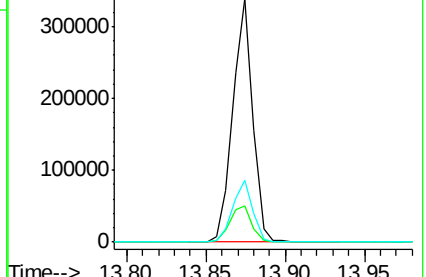
236 25.3 20.5 30.7

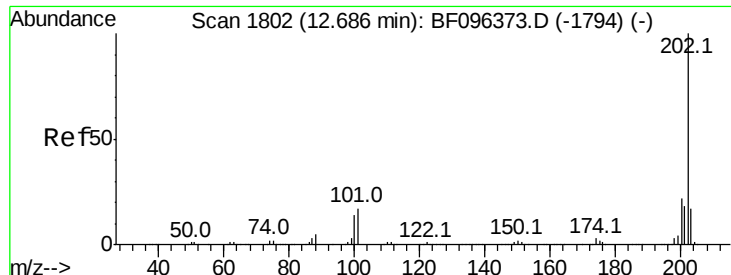


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

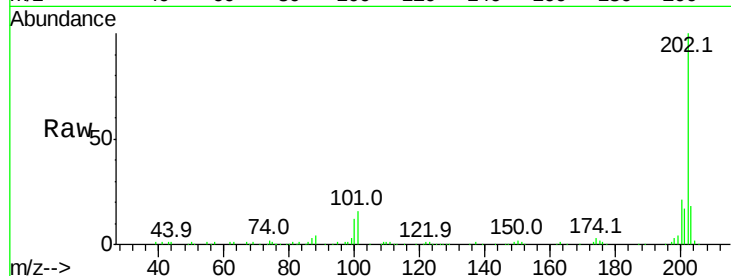




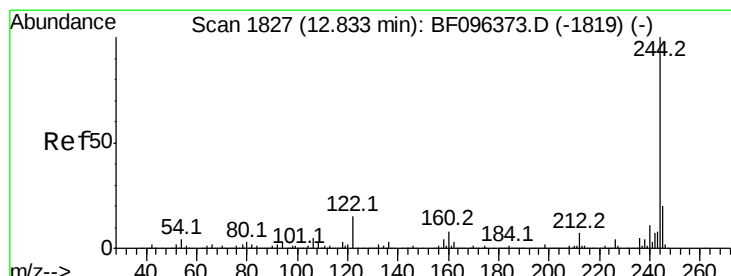
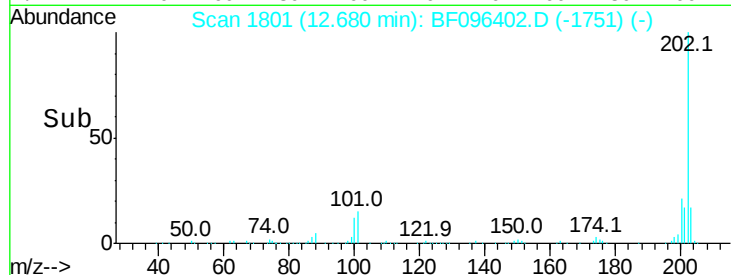
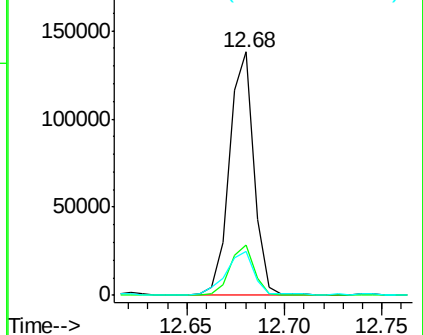
#77
Pvrene
Concen: 5.01 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 119076
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 17.8 14.4 21.6

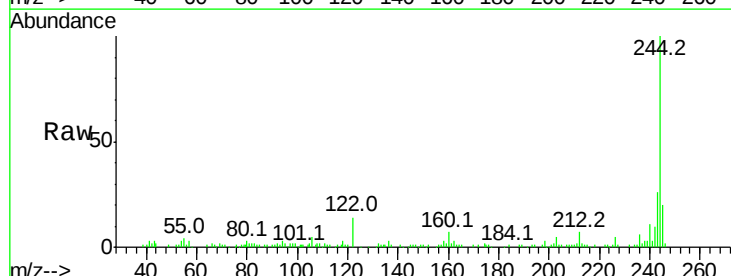


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

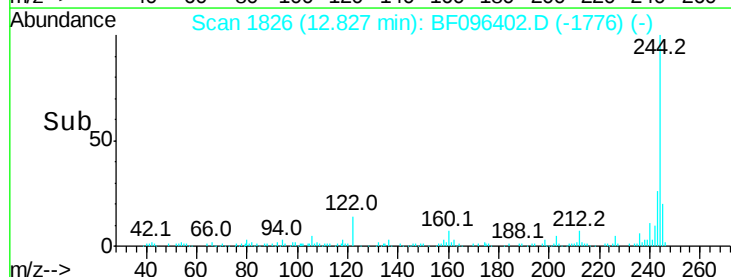
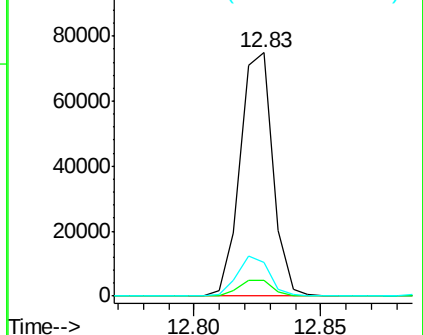


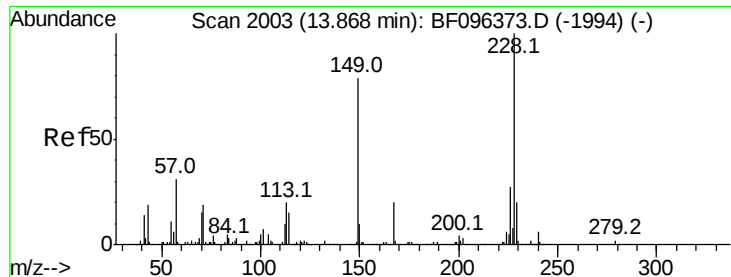
#78
Terphenyl-d14
Concen: 4.83 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:244 Resp: 66983
Ion Ratio Lower Upper
244 100
212 6.5 6.0 9.0
122 13.8 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

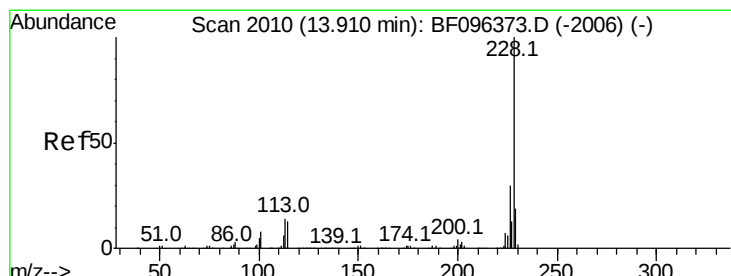
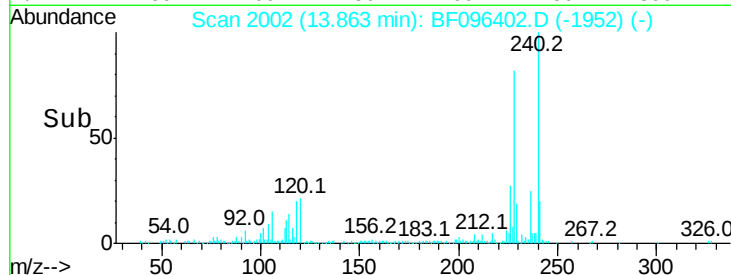
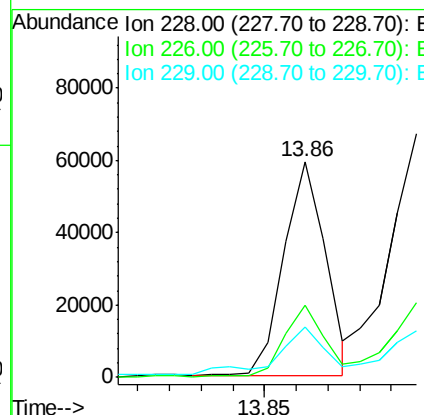
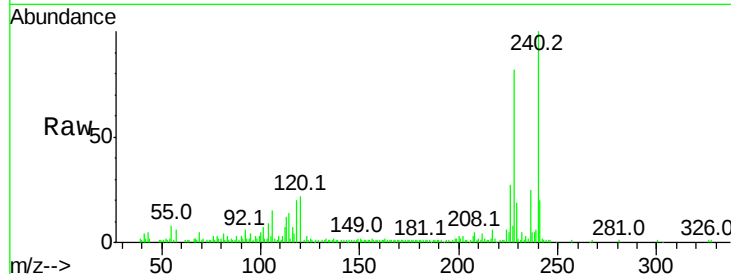




#80
Benzo(a)anthracene
Concen: 3.18 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

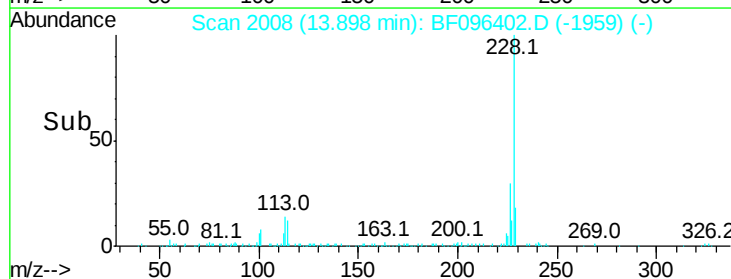
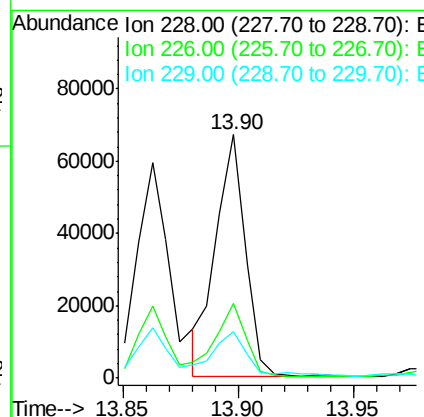
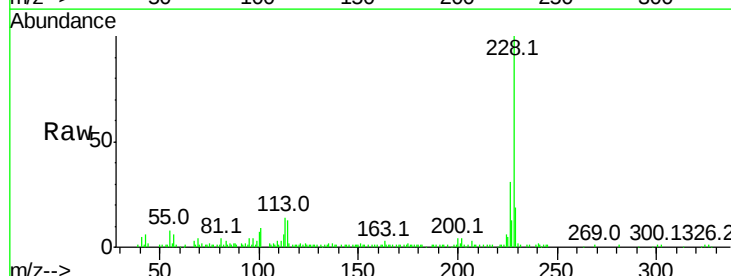
Instrument :
BNA_F
ClientSampleId :

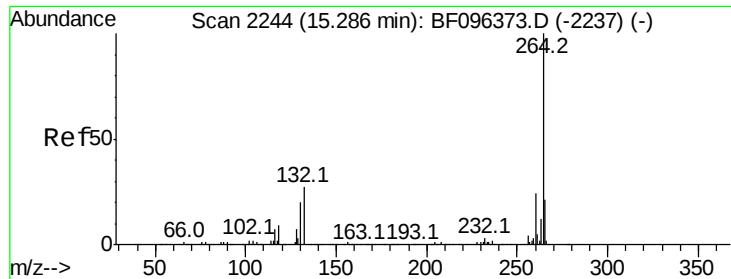
Tot Ion:228 Resp: 54490
Ion Ratio Lower Upper
228 100
226 33.2 22.6 33.8
229 23.3 16.3 24.5



#82
Chrysene
Concen: 3.33 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:228 Resp: 59762
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 19.2 15.8 23.6

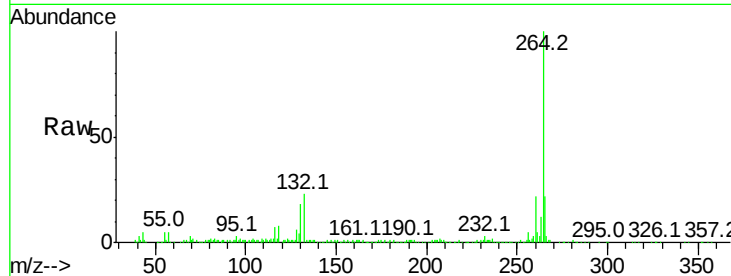




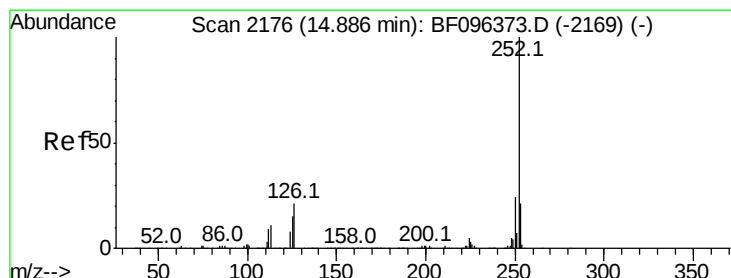
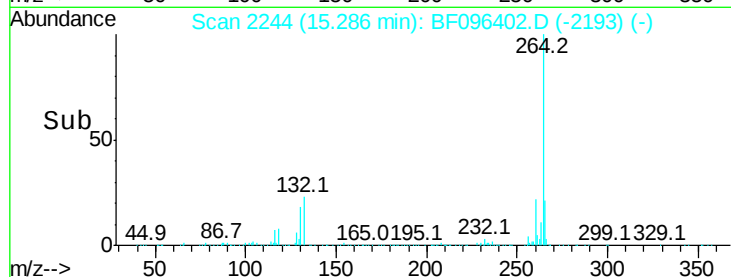
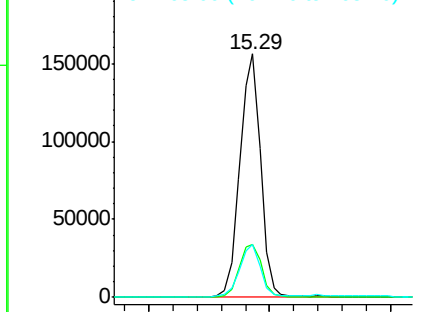
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.5	29.3
265	21.6	17.2	25.8

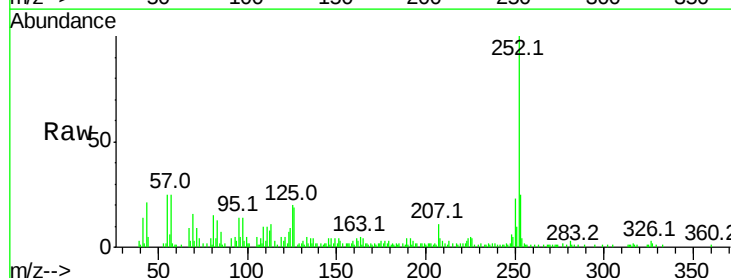


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

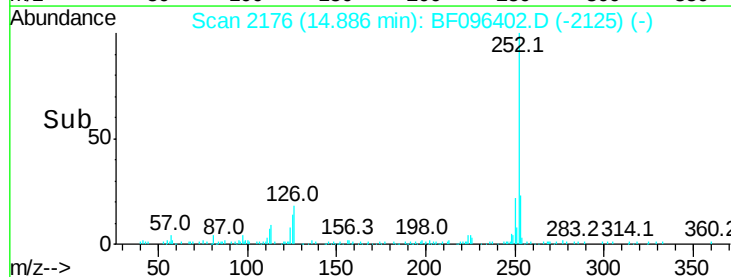
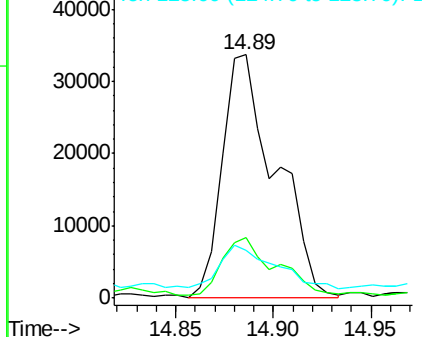


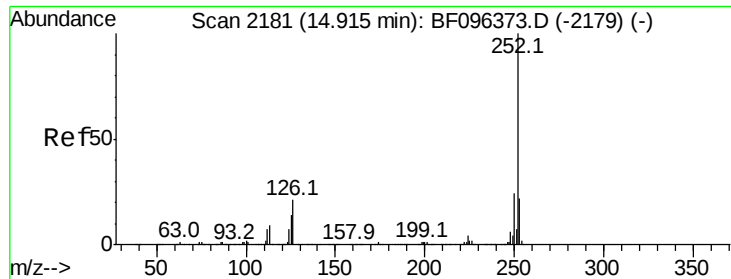
#87
Benzo(b)fluoranthene
Concen: 5.43 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	19.7	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

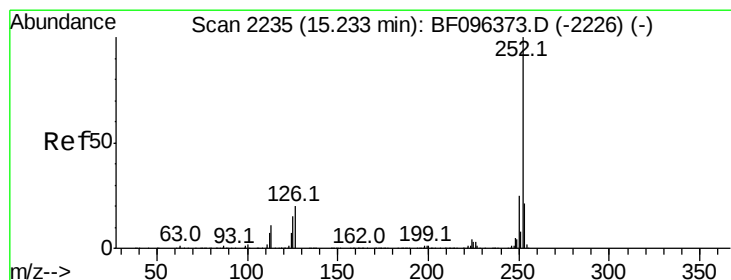
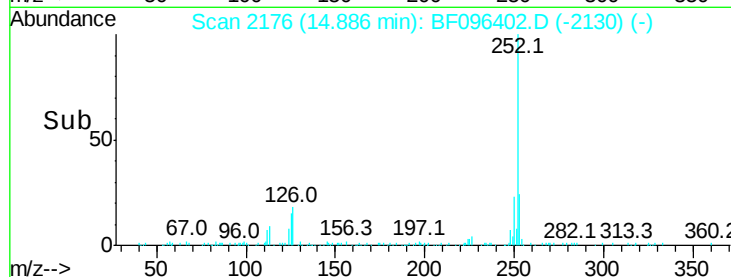
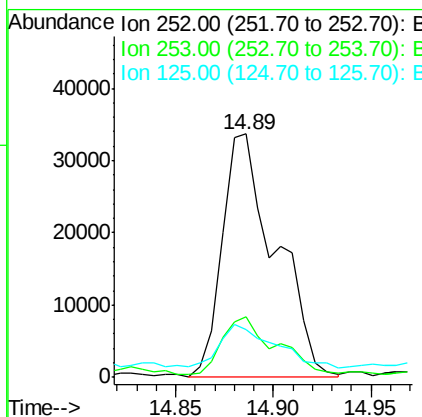
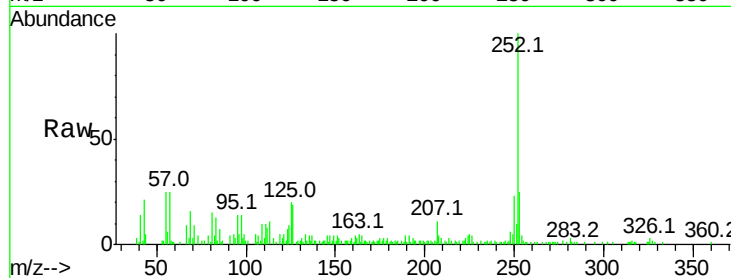




#88
Benzo(k)fluoranthene
Concen: 6.07 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 63974
Ion Ratio Lower Upper
252 100
253 24.6 18.4 27.6
125 19.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.12 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096402.D
Acq: 2 Jul 2017 2:08

Tgt Ion:252 Resp: 32837
Ion Ratio Lower Upper
252 100
253 21.3 17.5 26.3
125 19.7 11.0 16.4#

