

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070117\
 Data File : BF096403.D
 Acq On : 2 Jul 2017 2:36
 Operator : SJ/MA
 Sample : I3908-09 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 01:55:02 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

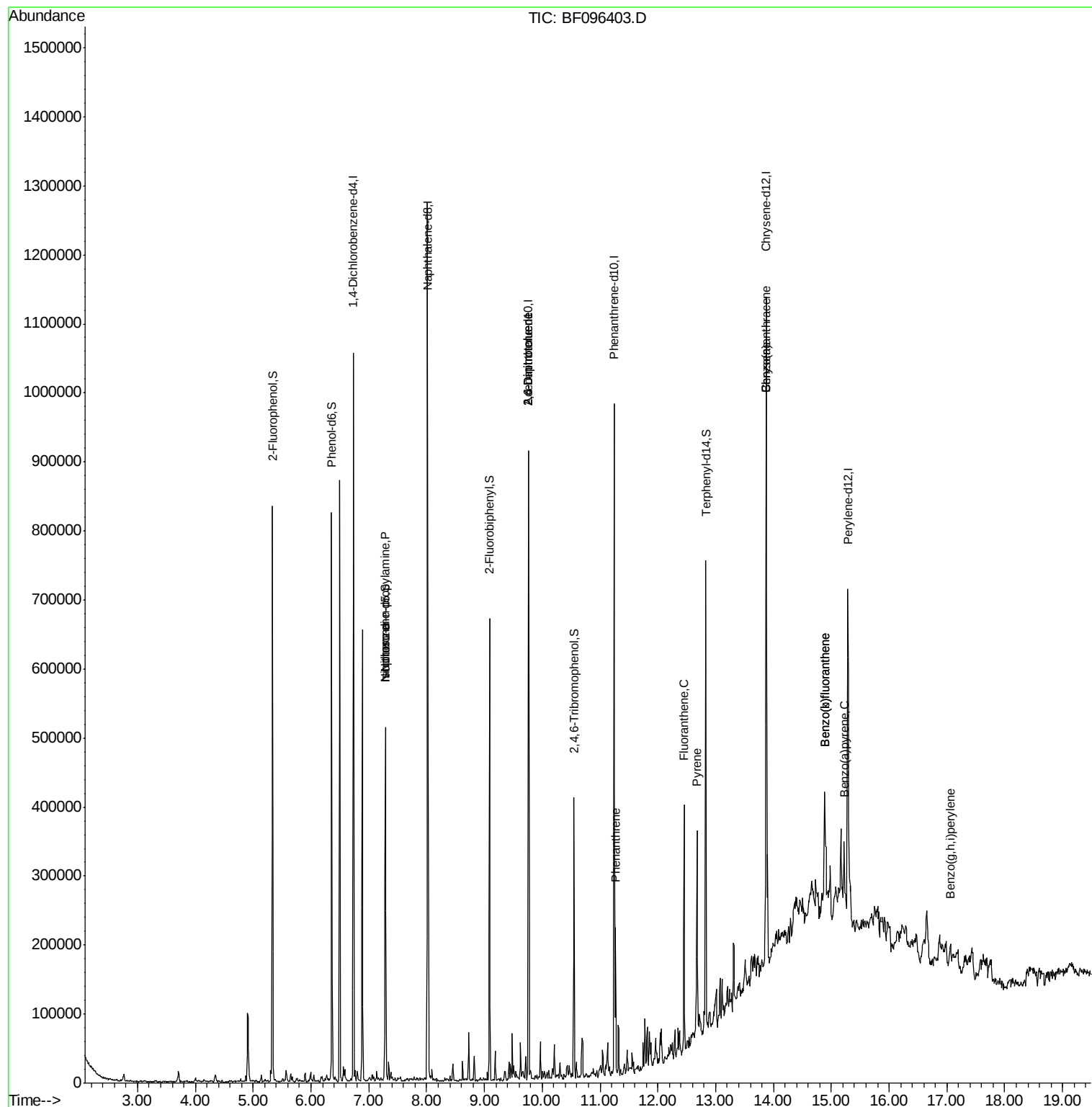
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	139645	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	498849	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	183124	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	310917	20.00	ng	0.00
75) Chrysene-d12	13.87	240	286254	20.00	ng	0.00
86) Perylene-d12	15.29	264	190767	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	221200	23.38	ng	-0.01
7) Phenol-d6	6.36	99	250494	21.54	ng	-0.02
23) Nitrobenzene-d5	7.29	82	128988	15.54	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	34662	24.23	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	201488	18.81	ng	-0.01
78) Terphenyl-d14	12.83	244	182032	13.59	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	16652	2.40	ng	# 86
25) Isophorone	7.29	82	128504	7.98	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	24042	7.95	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	24042	6.28	ng	# 33
70) Phenanthrene	11.27	178	70236	4.18	ng	97
74) Fluoranthene	12.45	202	124963	7.58	ng	97
77) Pyrene	12.68	202	115847	5.04	ng	97
80) Benzo(a)anthracene	13.86	228	61477	3.71	ng	94
82) Chrysene	13.86	228	61477	3.54	ng	97
87) Benzo(b)fluoranthene	14.89	252	100865	8.44	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	100865	9.43	ng	95
89) Benzo(a)pyrene	15.22	252	37382	3.50	ng	# 89
91) Benzo(a,h,i)perylene	17.06	276	22821	2.62	ng	# 83

(#) = 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: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampleId :

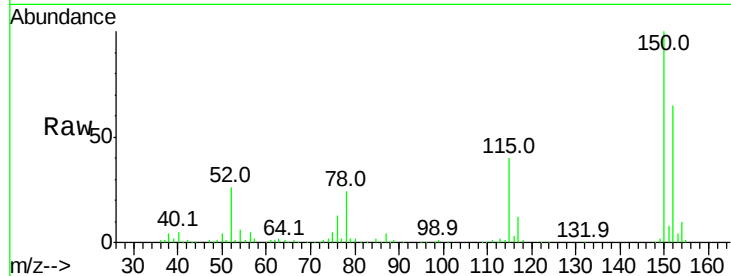
Tot Ion:152 Resp: 139645

Ion Ratio Lower Upper

152 100

150 154.8 126.2 189.2

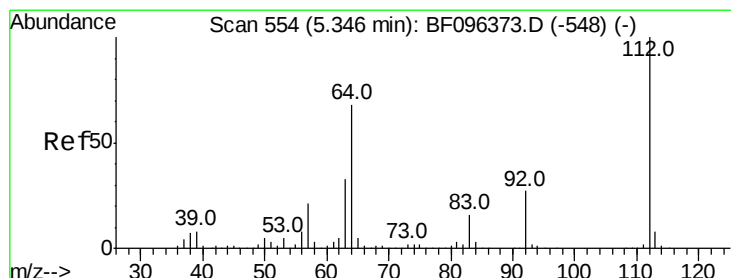
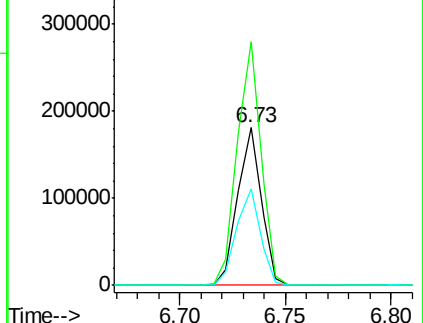
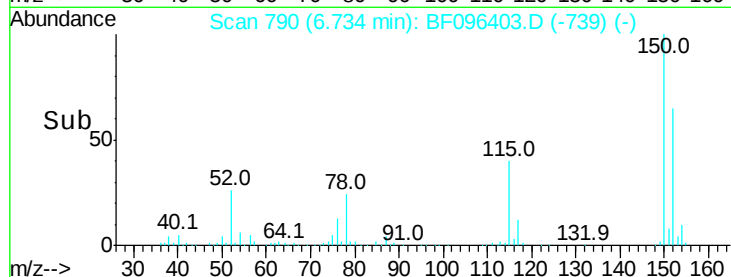
115 61.5 52.2 78.2



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: 23.38 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

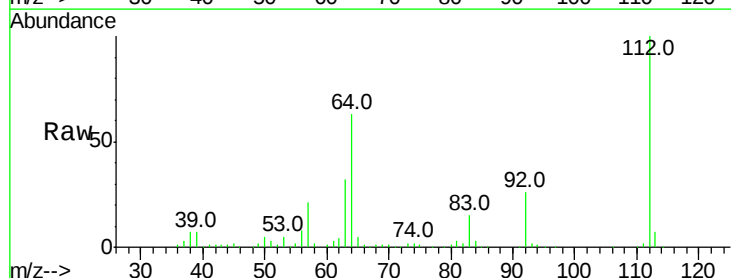
Tgt Ion:112 Resp: 221200

Ion Ratio Lower Upper

112 100

64 63.4 46.0 69.0

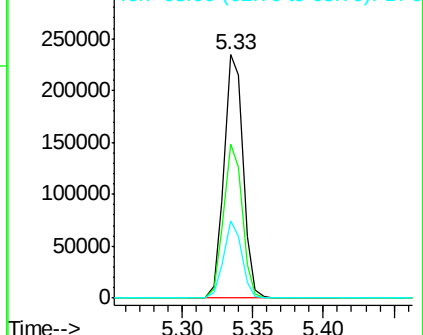
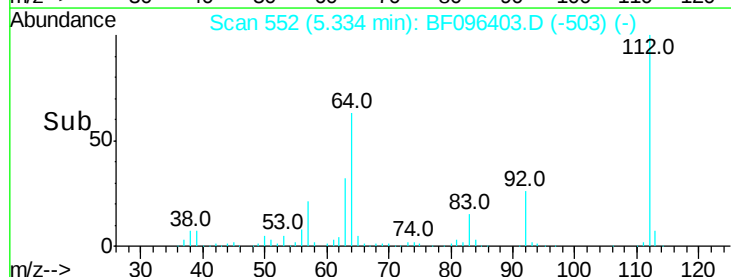
63 31.5 23.4 35.0

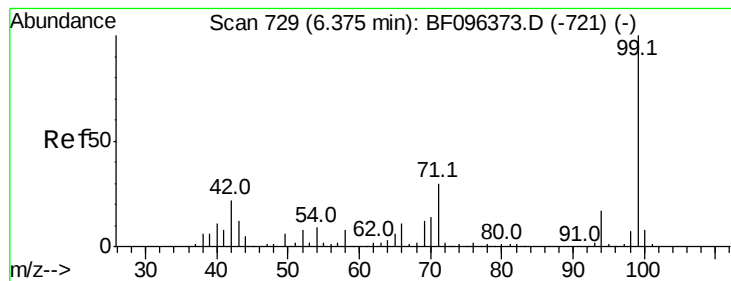


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.54 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampleId :

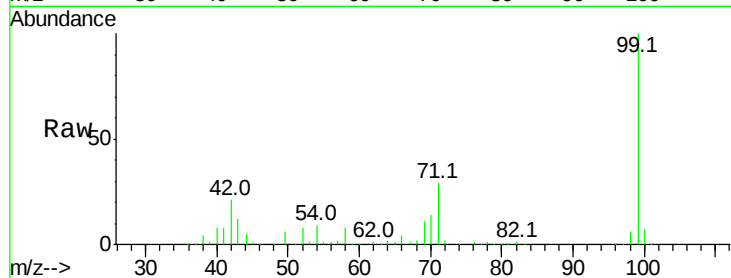
Tot Ion: 99 Resp: 250494

Ion Ratio Lower Upper

99 100

42 21.3 13.5 20.3#

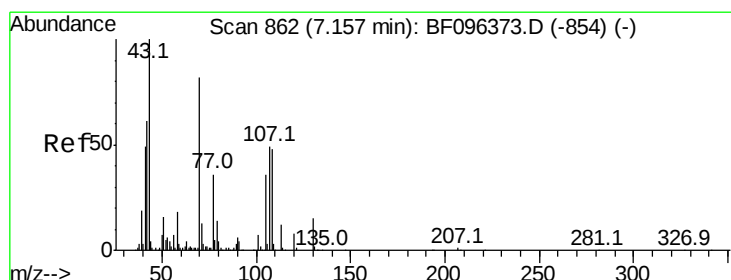
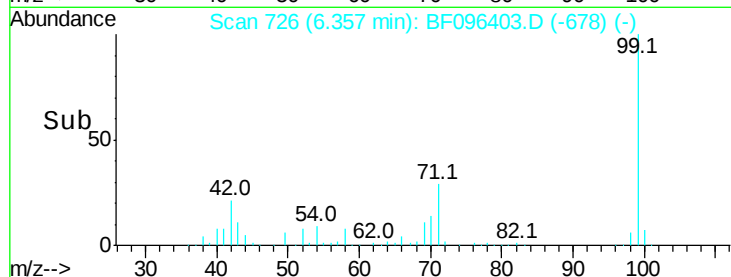
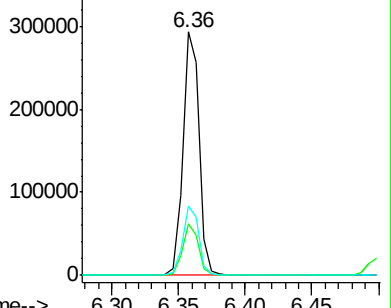
71 28.8 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.40 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Tgt Ion: 70 Resp: 16652

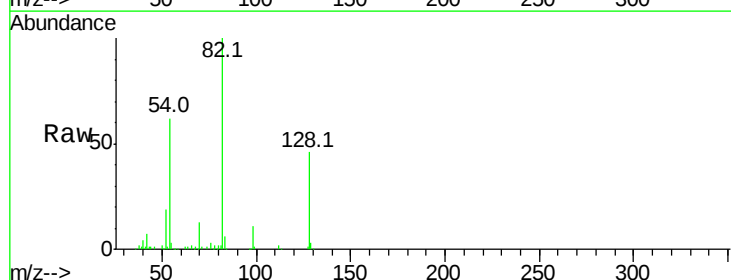
Ion Ratio Lower Upper

70 100

42 56.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

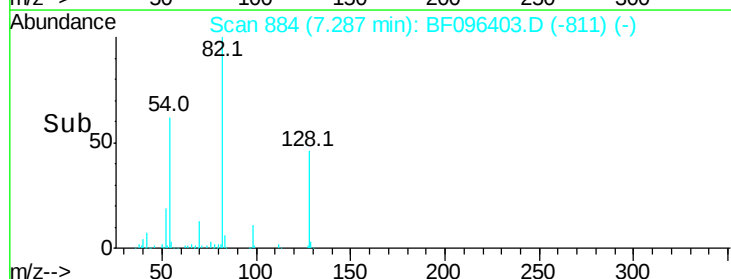
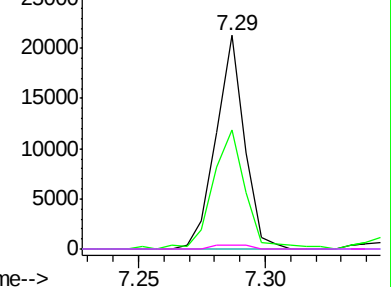


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

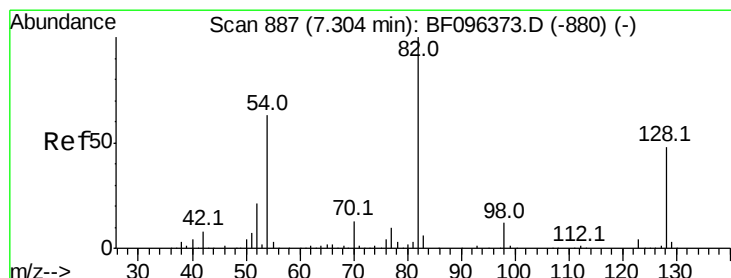
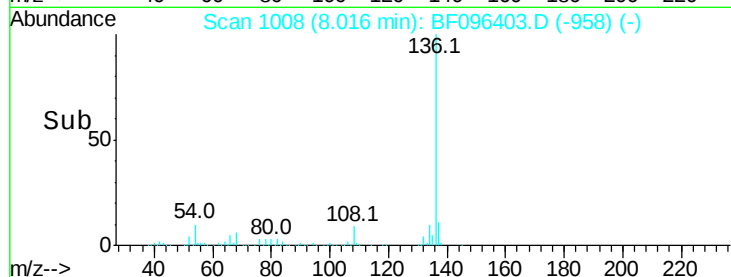
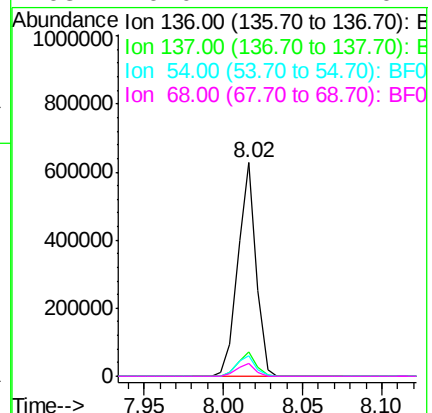
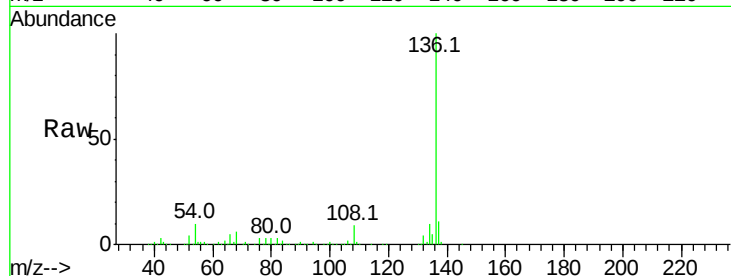




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

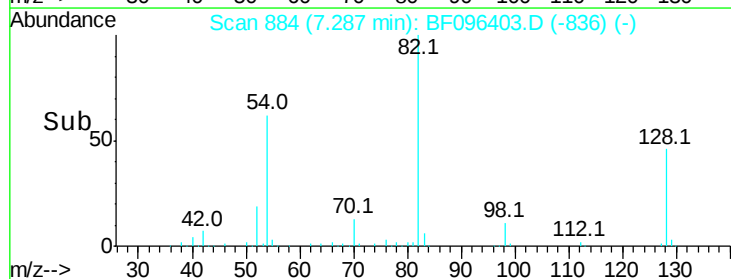
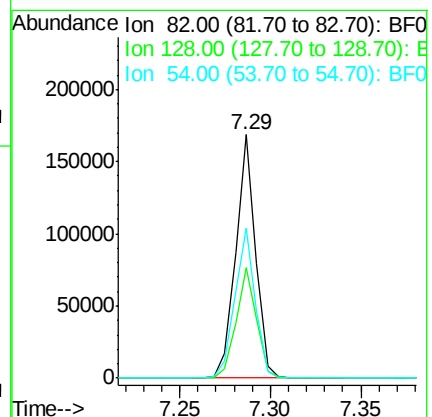
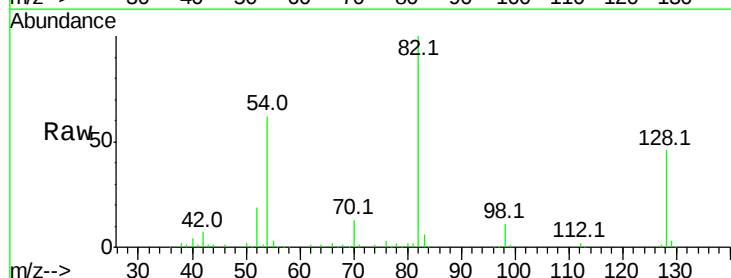
Instrument :
BNA_F
ClientSampleId :

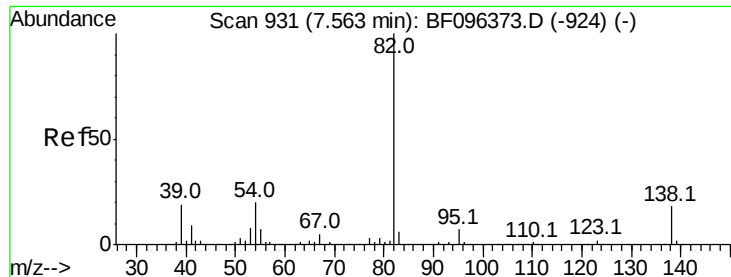
Tot Ion:	136	Resp:	498849
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.8	4.9	7.3#
68	6.0	4.1	6.1



#23
Nitrobenzene-d5
Concen: 15.54 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion:	82	Resp:	128988
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	61.9	42.2	63.2





#25

Isophorone

Concen: 7.98 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampleId :

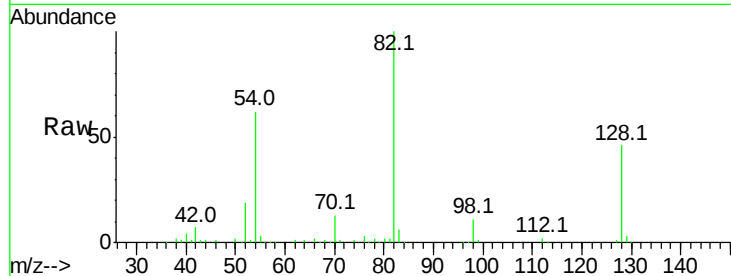
Tot Ion: 82 Resp: 128504

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

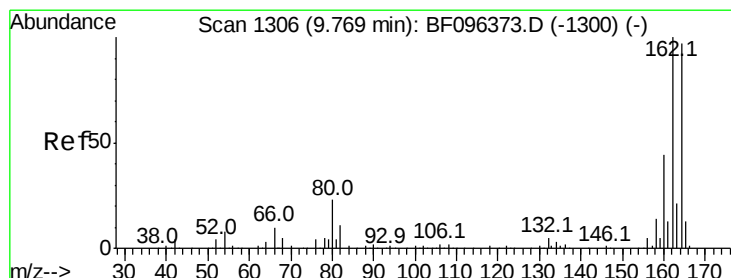
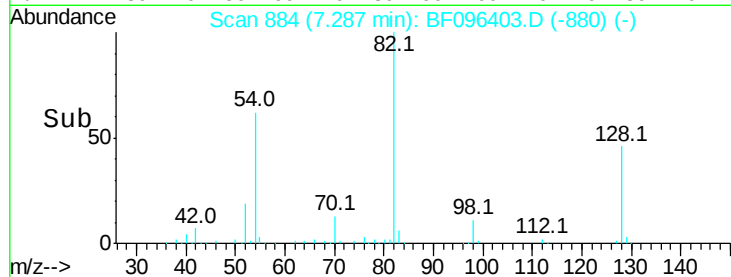
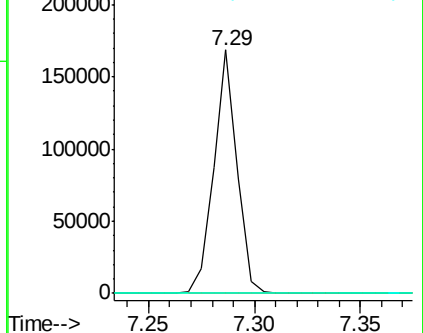
138 0.0 13.1 19.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

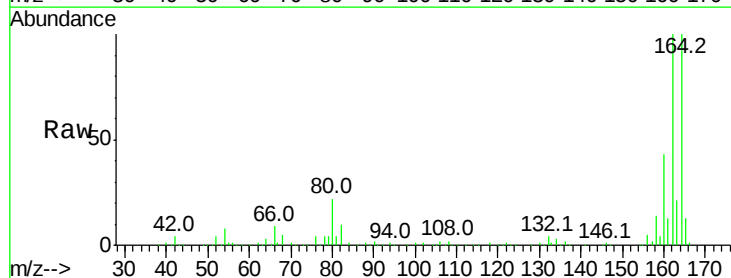
Tgt Ion:164 Resp: 183124

Ion Ratio Lower Upper

164 100

162 99.5 82.6 123.8

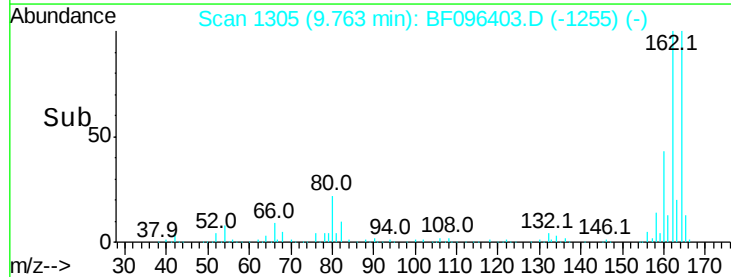
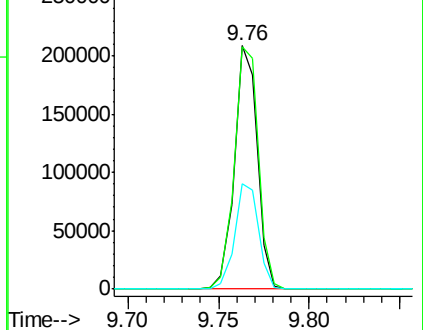
160 43.4 36.2 54.2



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

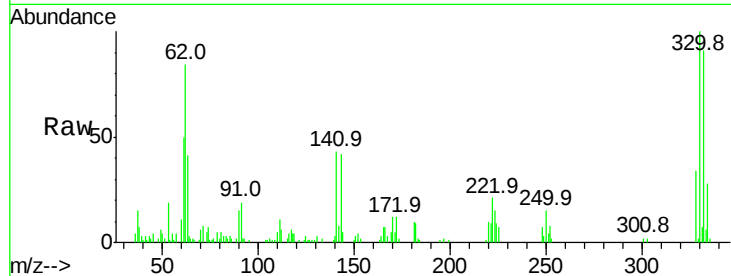




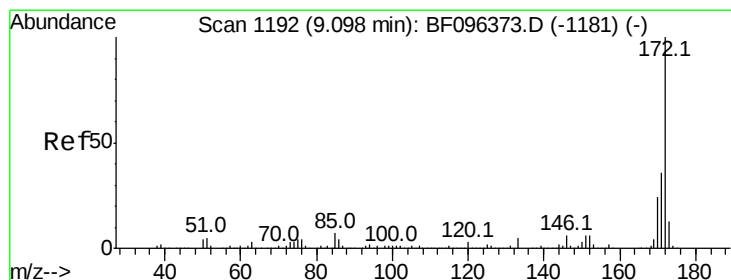
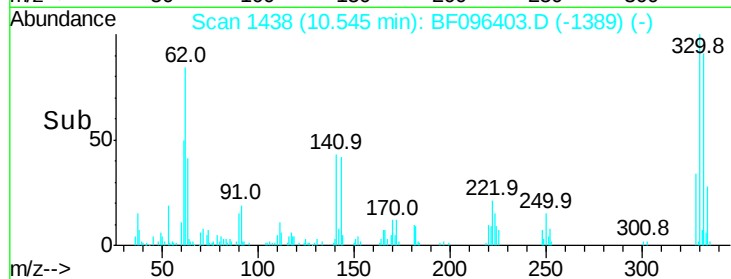
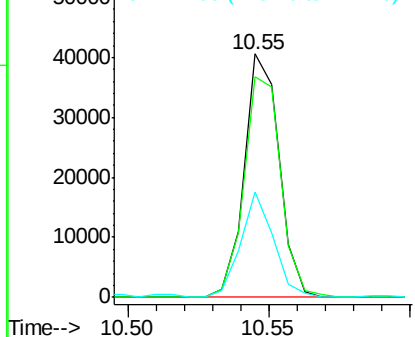
#41
 2,4,6-Tribromophenol
 Concen: 24.23 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 34662
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 40.9 31.4 47.2

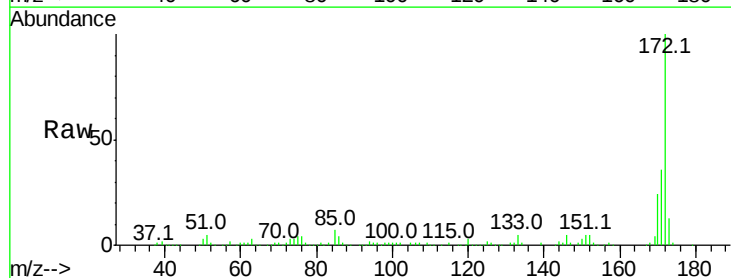


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

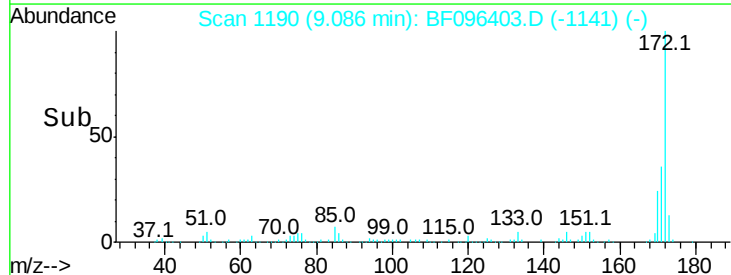
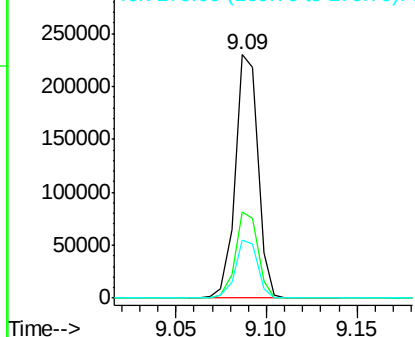


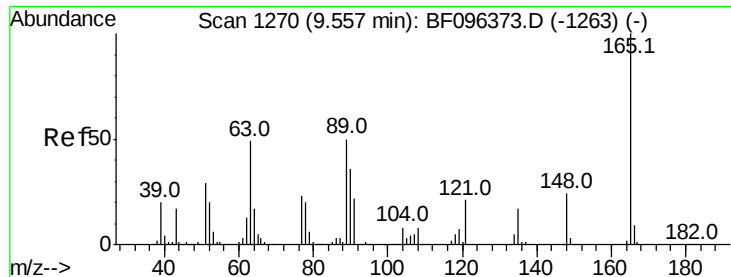
#44
 2-Fluorobiphenyl
 Concen: 18.81 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Tgt Ion:172 Resp: 201488
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 24.0 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

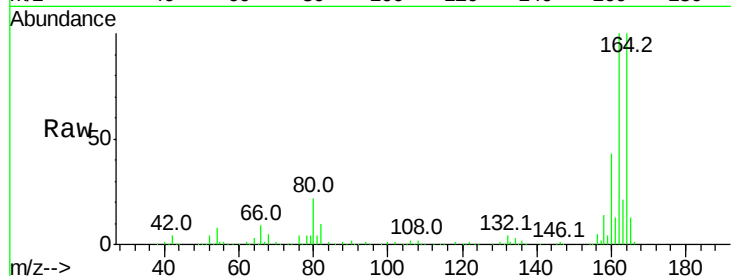




#50
2,6-Dinitrotoluene
Concen: 7.95 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Instrument :
BNA_F
ClientSampleId :

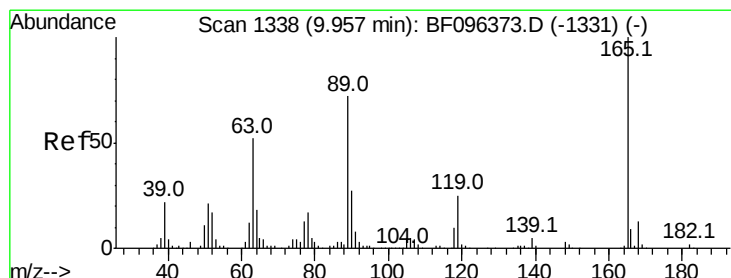
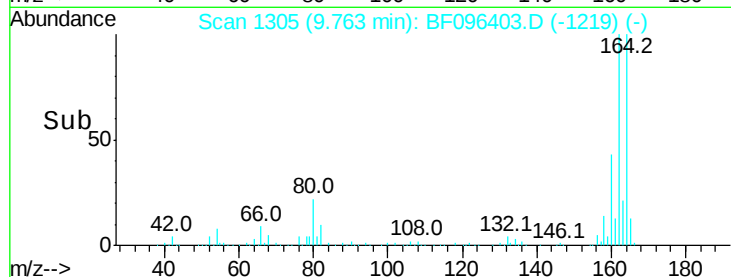
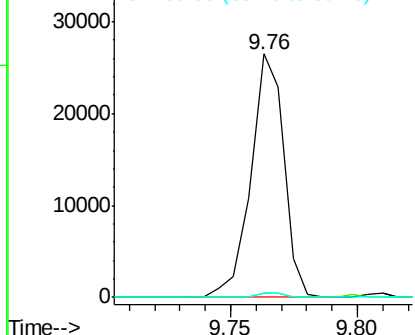
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.7	37.1	55.7#



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: 6.28 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

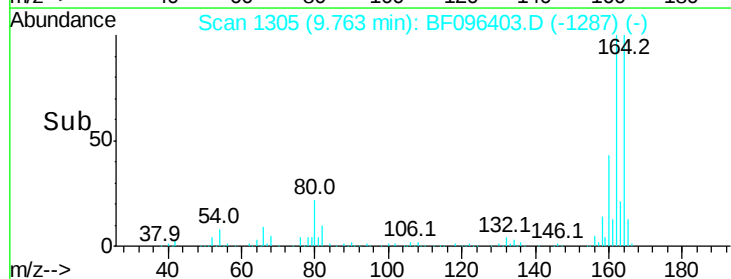
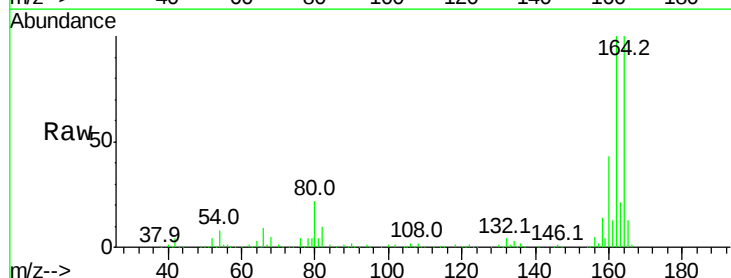
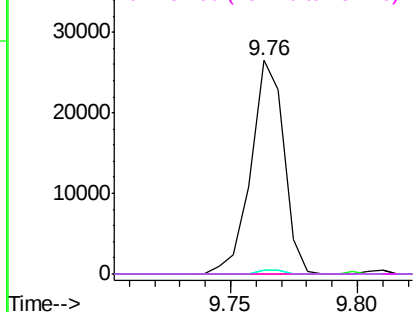
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

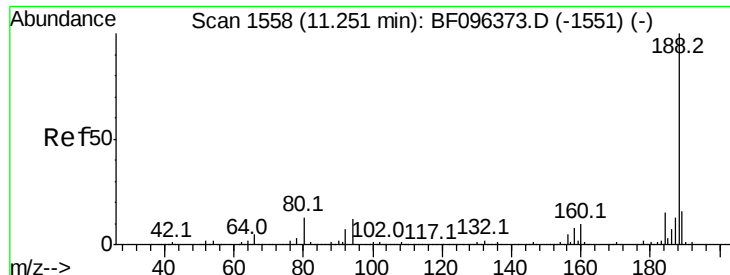
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampled :

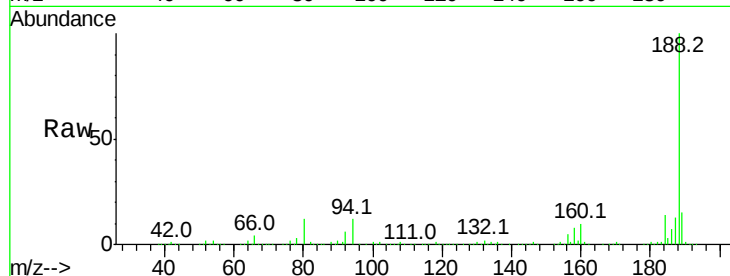
Tot Ion:188 Resp: 310917

Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	11.9	10.2	15.2

188 100

94 12.0 9.4 14.2

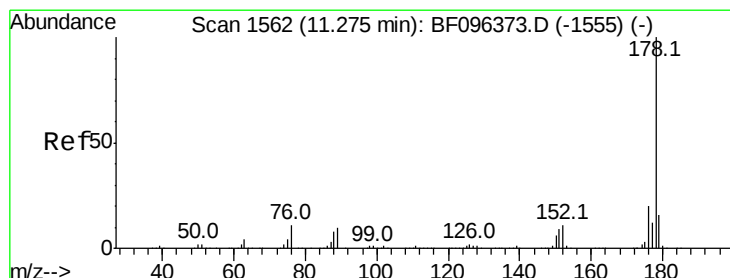
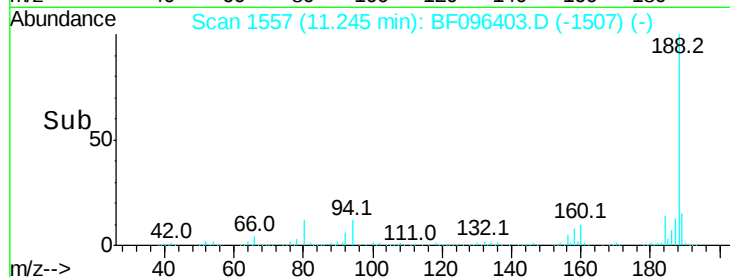
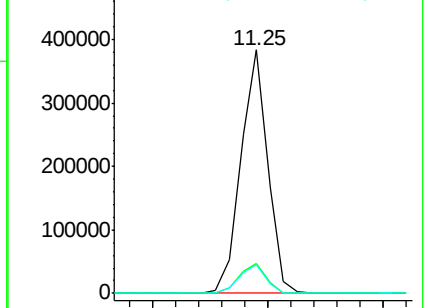
80 11.9 10.2 15.2



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: 4.18 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

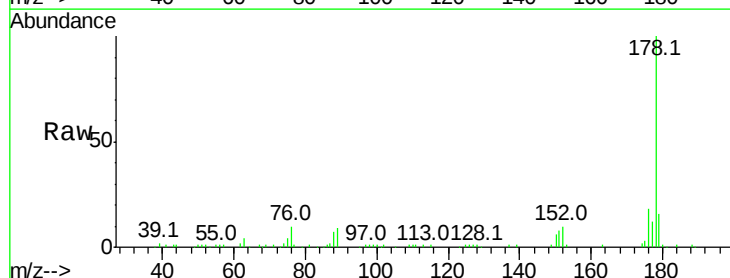
Tgt Ion:178 Resp: 70236

Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	16.0	12.6	19.0

178 100

176 18.4 16.2 24.4

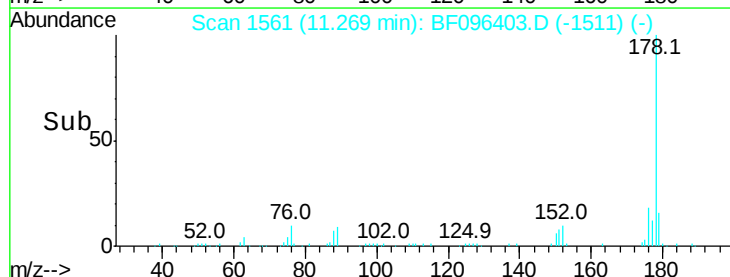
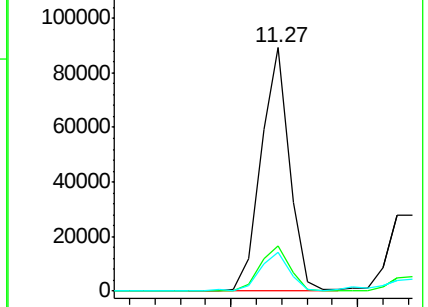
179 16.0 12.6 19.0

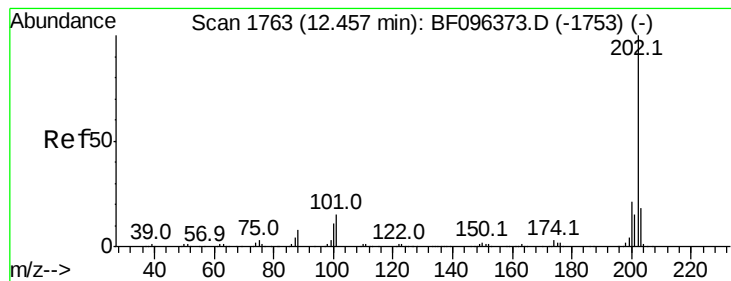


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.58 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampleId :

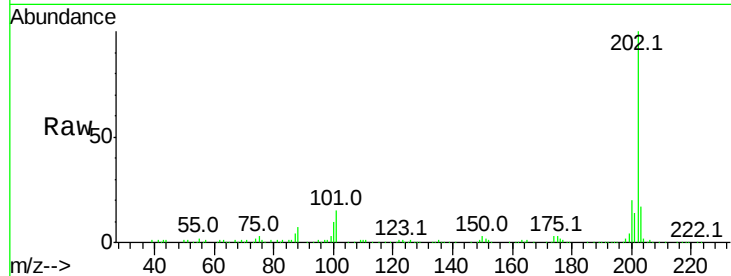
Tot Ion:202 Resp: 124963

Ion Ratio Lower Upper

202 100

101 14.6 0.0 33.2

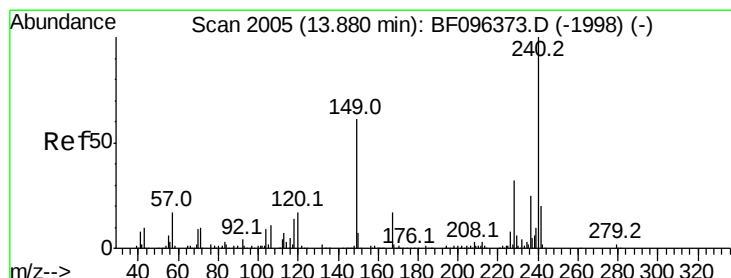
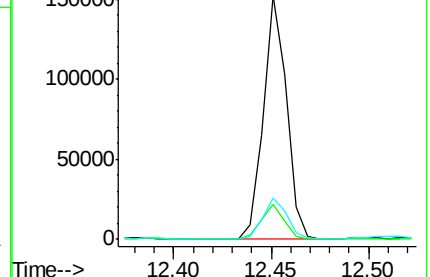
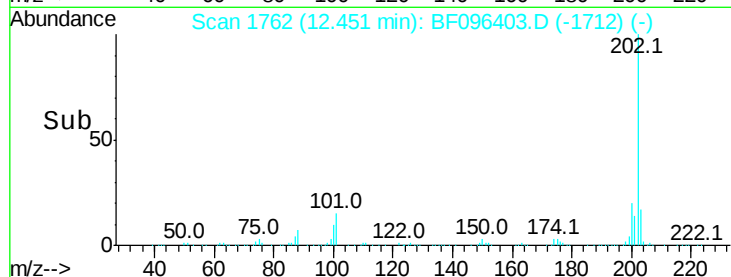
203 17.1 0.0 38.1



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: 20.00 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

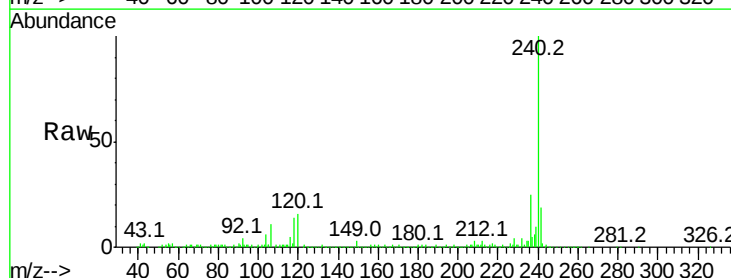
Tgt Ion:240 Resp: 286254

Ion Ratio Lower Upper

240 100

120 16.1 5.8 8.8#

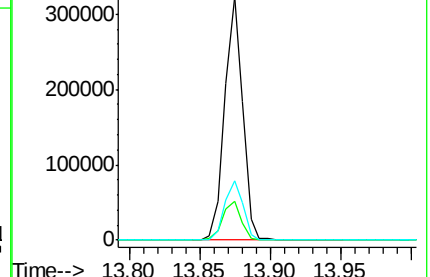
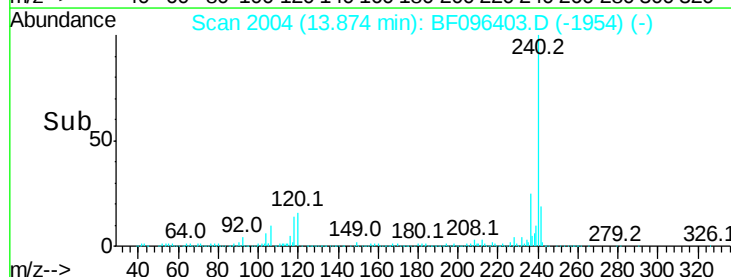
236 24.6 20.5 30.7

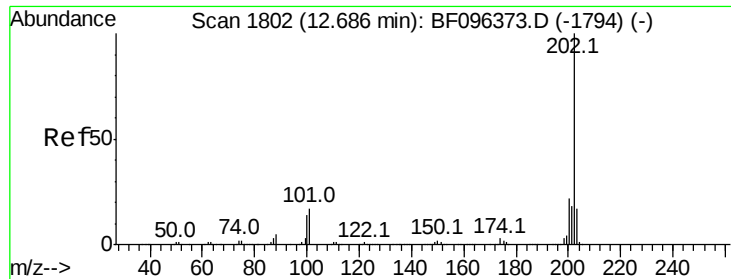


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.04 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

Instrument :

BNA_F

ClientSampleId :

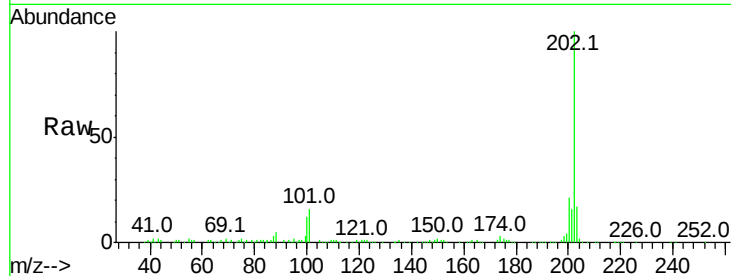
Tot Ion:202 Resp: 115847

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

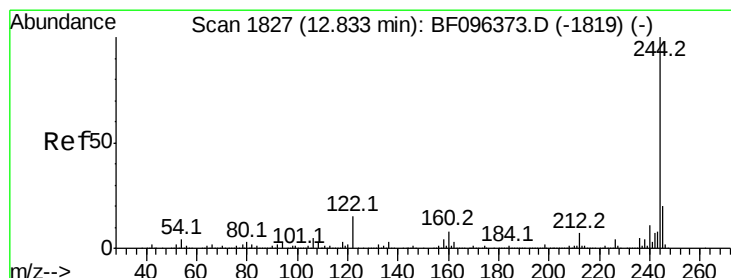
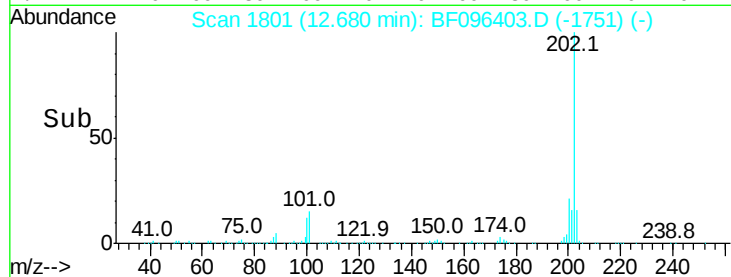
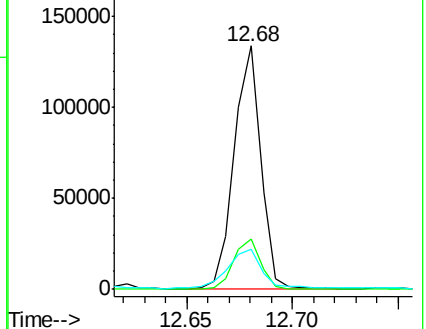
203 16.7 14.4 21.6



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: 13.59 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF096403.D

Acq: 2 Jul 2017 2:36

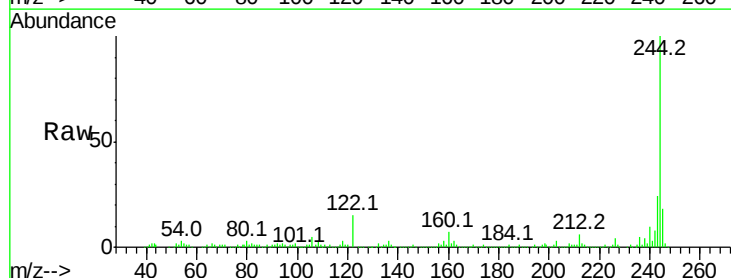
Tgt Ion:244 Resp: 182032

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

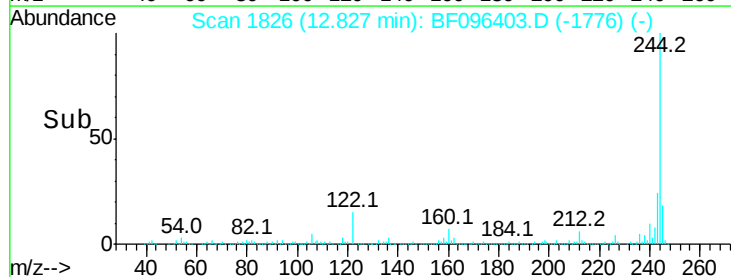
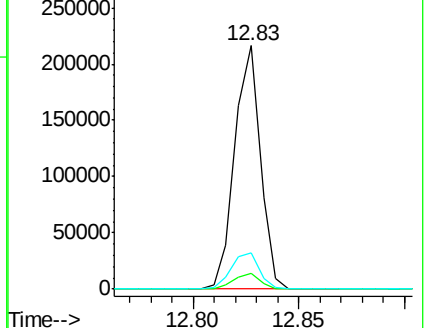
122 14.9 10.3 15.5

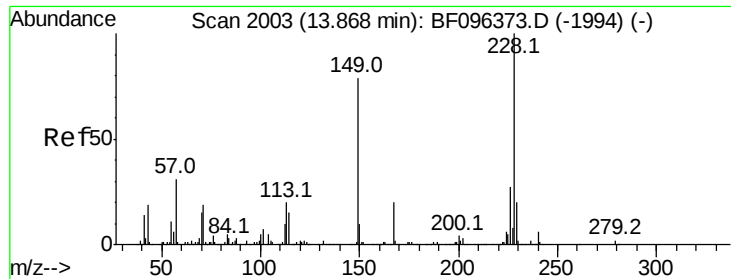


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

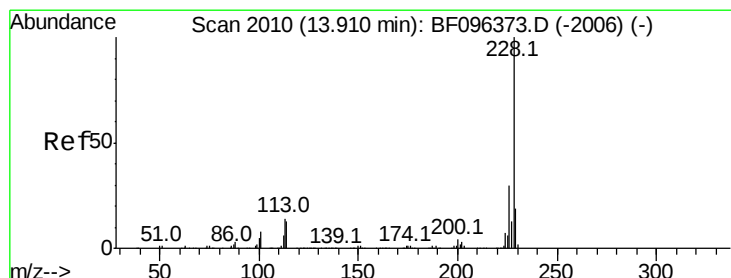
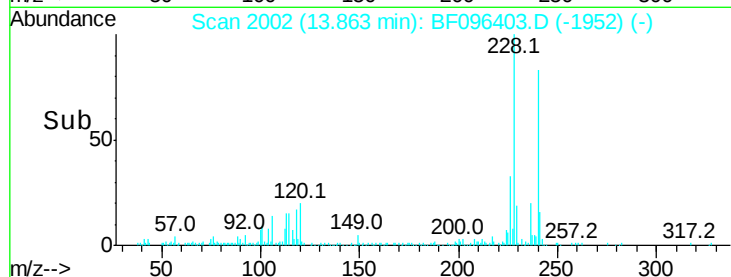
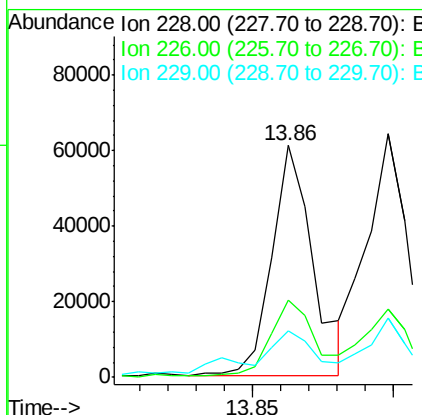
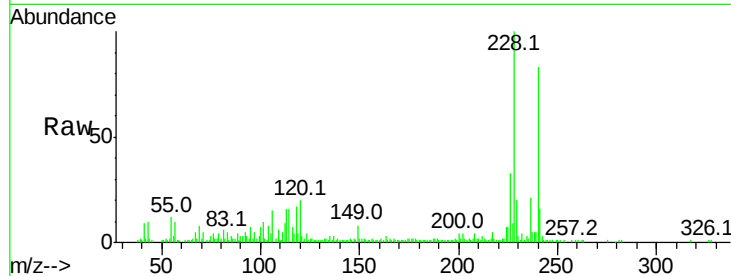




#80
Benzo(a)anthracene
Concen: 3.71 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

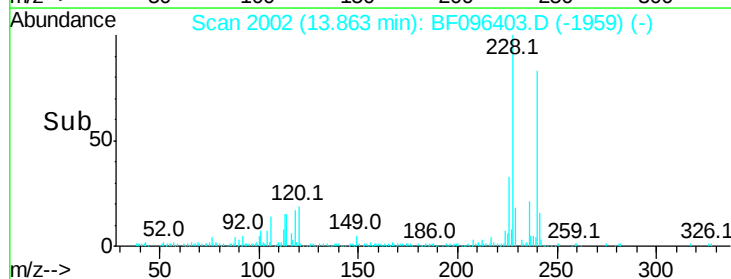
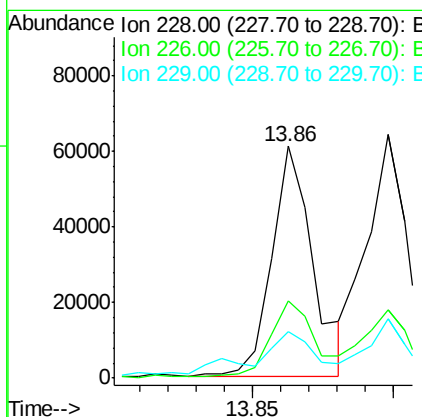
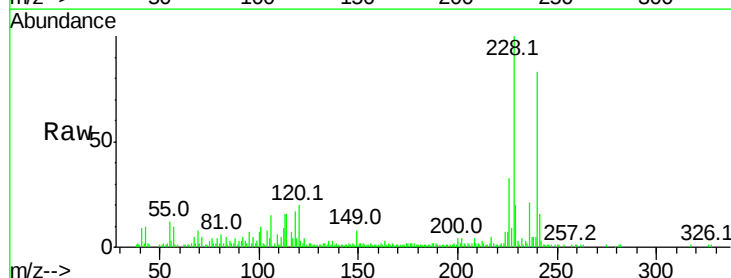
Instrument :
BNA_F
ClientSampleId :

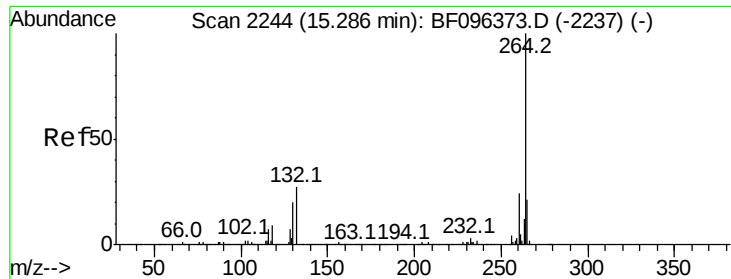
Tot Ion:228 Resp: 61477
Ion Ratio Lower Upper
228 100
226 33.3 22.6 33.8
229 20.2 16.3 24.5



#82
Chrysene
Concen: 3.54 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.05 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion:228 Resp: 61477
Ion Ratio Lower Upper
228 100
226 33.3 24.9 37.3
229 20.2 15.8 23.6

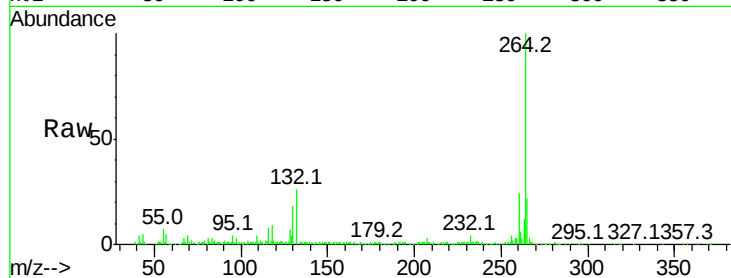




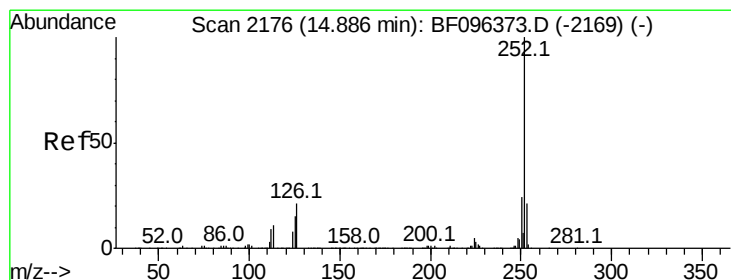
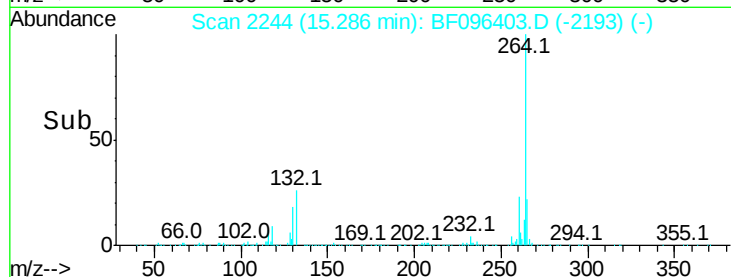
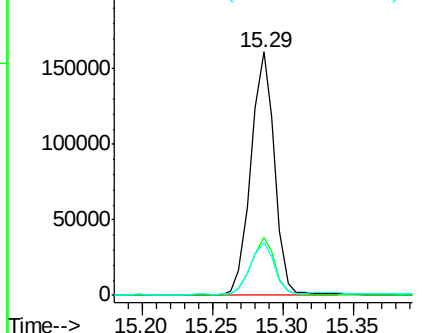
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 190767
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.7 17.2 25.8

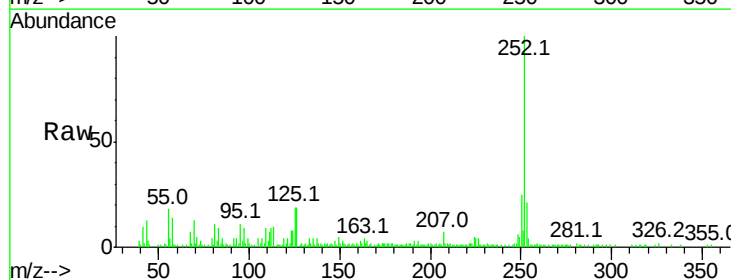


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

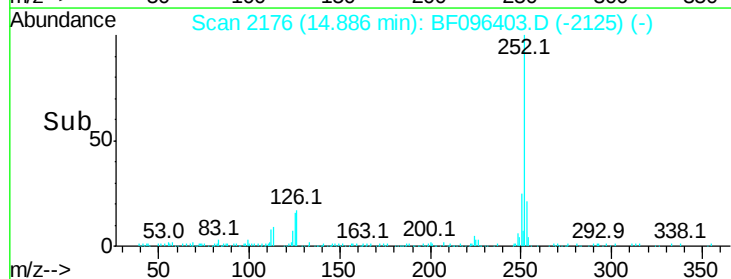
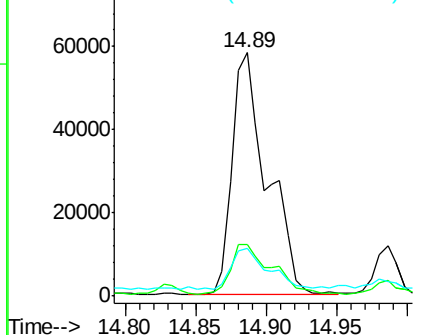


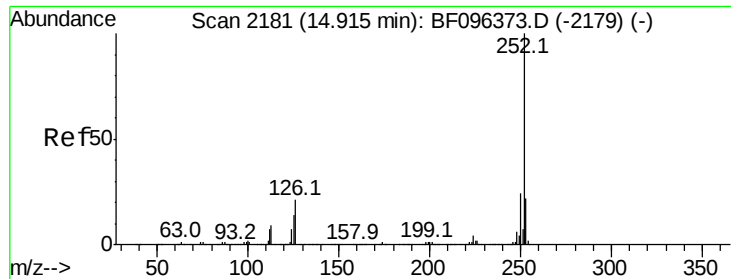
#87
Benzo(b)fluoranthene
Concen: 8.44 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion:252 Resp: 100865
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 19.4 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

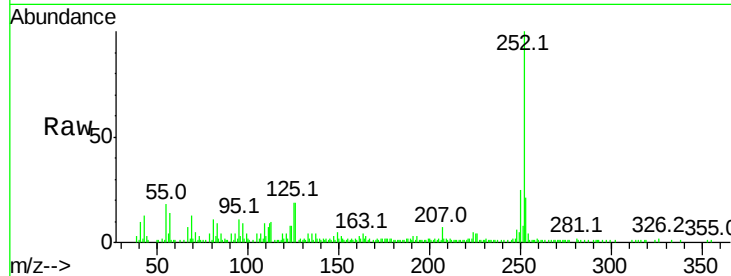




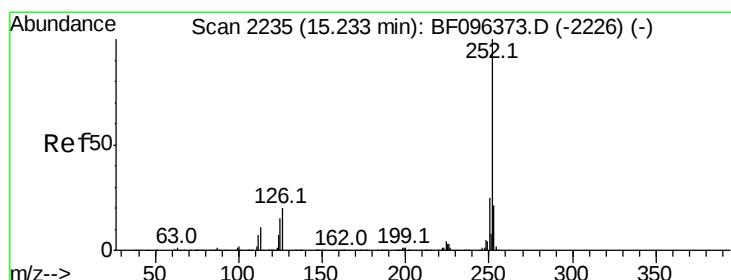
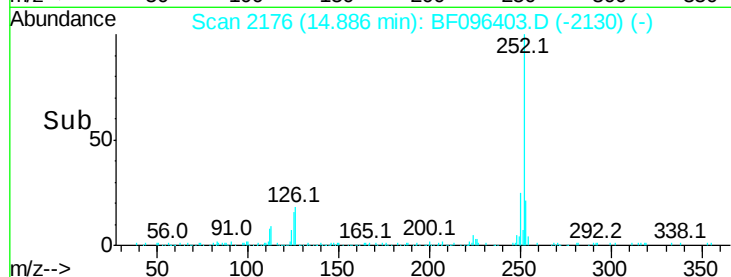
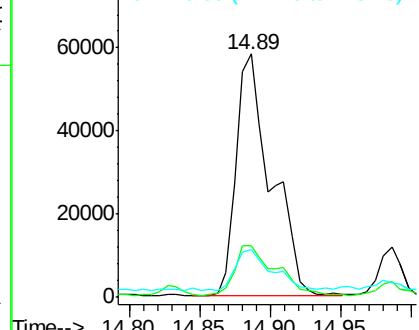
#88
Benzo(k)fluoranthene
Concen: 9.43 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.4	27.6
125	19.4	13.1	19.7

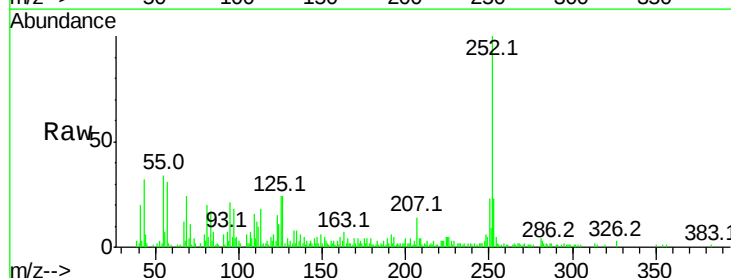


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

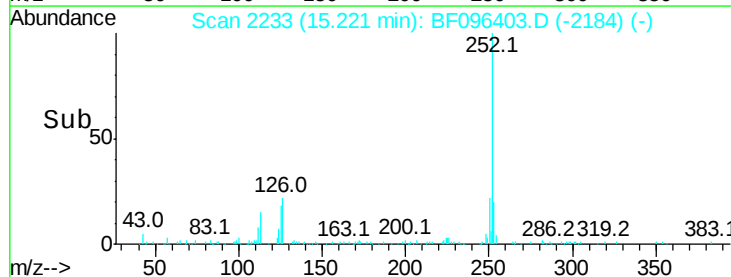
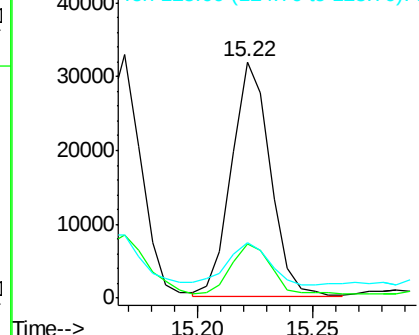


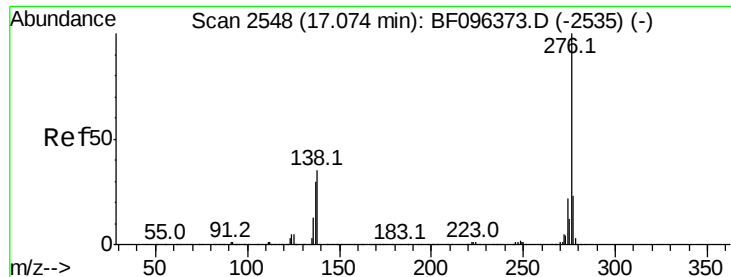
#89
Benzo(a)pyrene
Concen: 3.50 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096403.D
Acq: 2 Jul 2017 2:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	23.7	11.0	16.4



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





#91
 Benzo(a,h,i)perylene
 Concen: 2.62 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096403.D
 Acq: 2 Jul 2017 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.6	18.6	28.0
138	41.6	25.4	38.0

