

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096443.D
 Acq On : 3 Jul 2017 16:09
 Operator : SJ/MA
 Sample : I3882-13RE 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 01:12:56 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

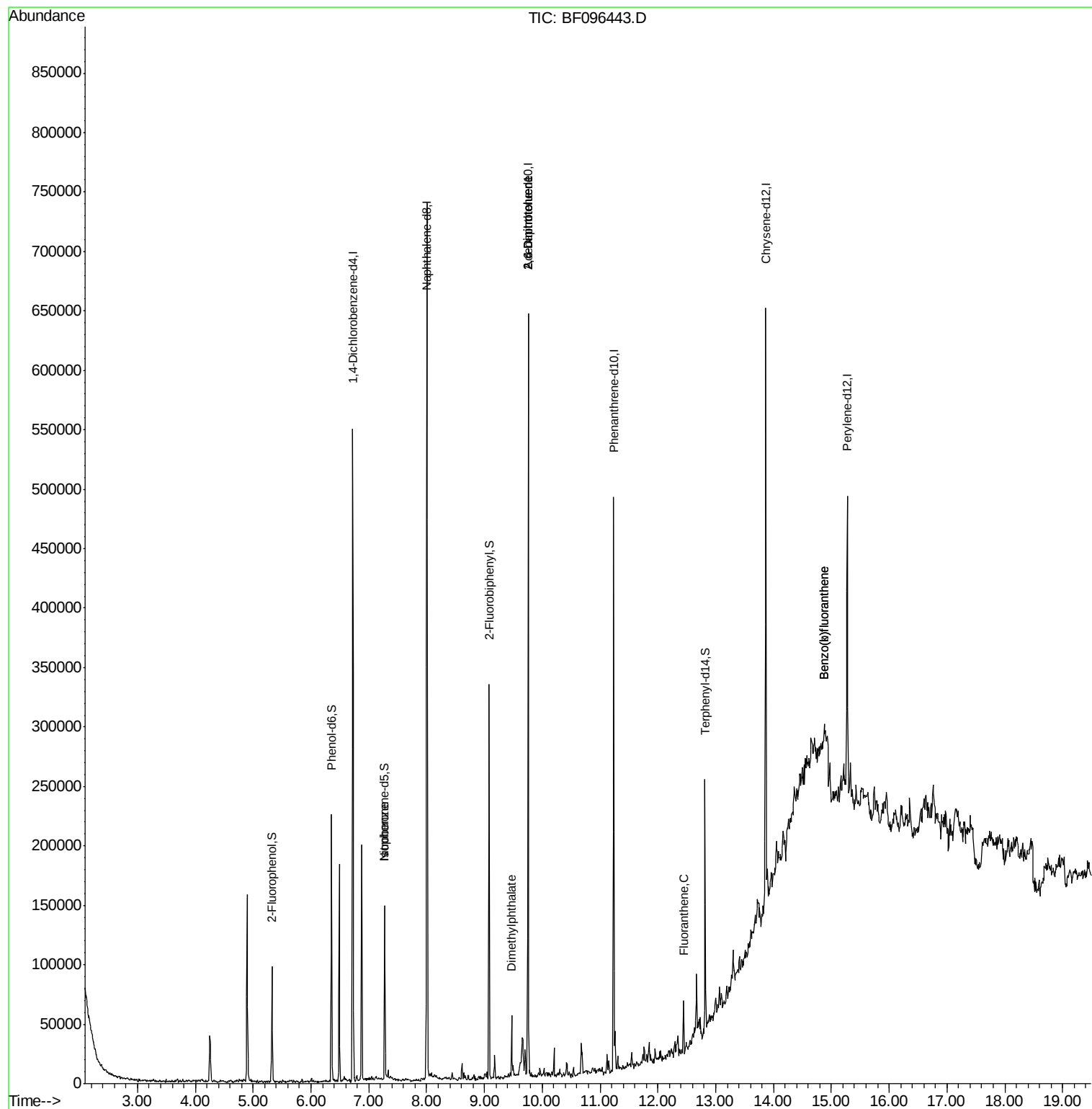
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	74978	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	305585	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	114986	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	161279	20.00	ng	-0.02
75) Chrysene-d12	13.86	240	155420	20.00	ng	-0.02
86) Perylene-d12	15.27	264	103129	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	24978	4.92	ng	-0.02
7) Phenol-d6	6.35	99	63492	10.17	ng	-0.02
23) Nitrobenzene-d5	7.27	82	39345	7.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	339	0.38	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	90744	13.49	ng	-0.02
78) Terphenyl-d14	12.82	244	55170	7.59	ng	-0.02
Target Compounds						
25) Isophorone	7.27	82	39344	3.99	ng	# 67
49) Dimethylphthalate	9.47	163	17395	2.03	ng	99
50) 2,6-Dinitrotoluene	9.76	165	15265	8.04	ng	# 31
56) 2,4-Dinitrotoluene	9.76	165	15265	6.35	ng	# 31
74) Fluoranthene	12.44	202	17236	2.02	ng	100
87) Benzo(b)fluoranthene	14.87	252	13916	2.15	ng	# 57
88) Benzo(k)fluoranthene	14.87	252	13916	2.41	ng	# 59

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 788

Delta R.T. -0.01 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

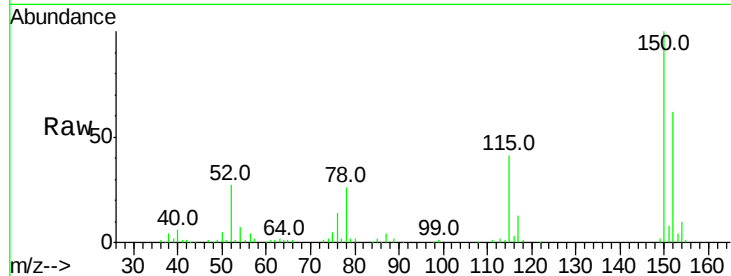
Tot Ion:152 Resp: 74978

Ion Ratio Lower Upper

152 100

150 160.7 126.2 189.2

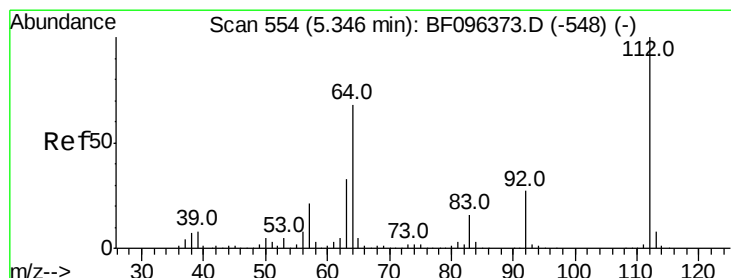
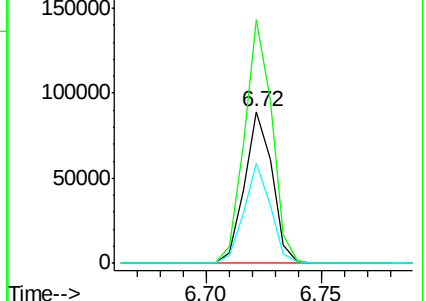
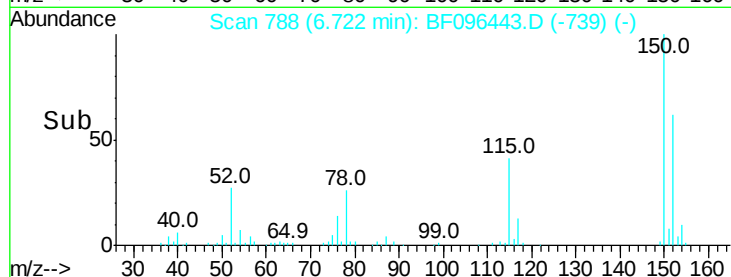
115 66.1 52.2 78.2



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: 4.92 ng

RT: 5.33 min Scan# 551

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

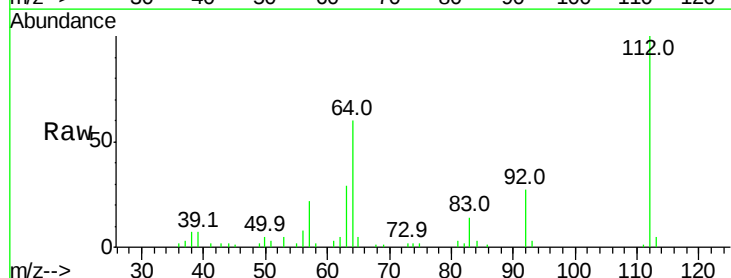
Tgt Ion:112 Resp: 24978

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

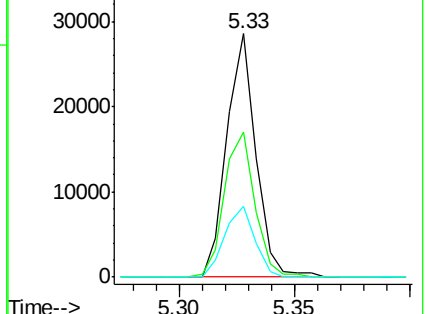
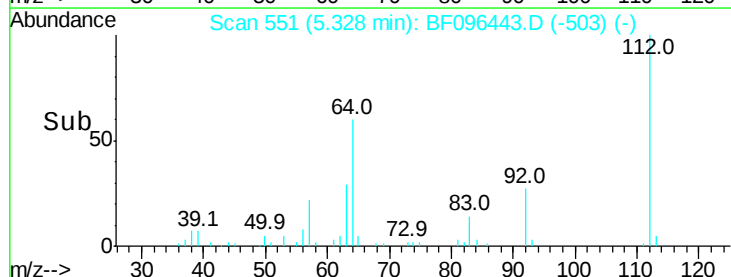
63 29.3 23.4 35.0

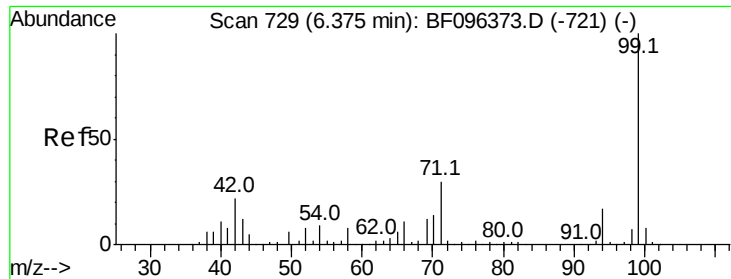


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 10.17 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

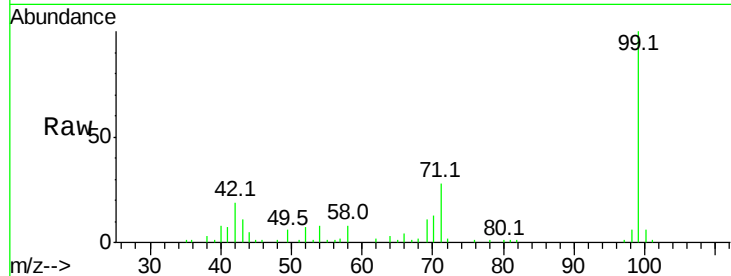
Tot Ion: 99 Resp: 63492

Ion Ratio Lower Upper

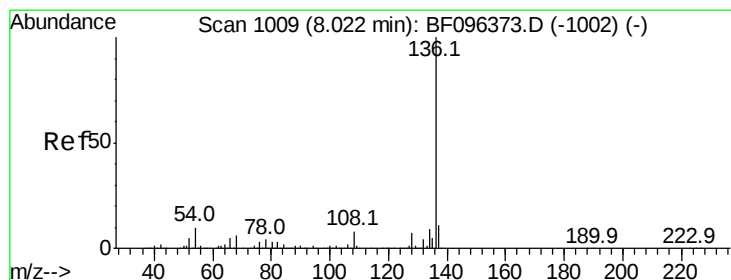
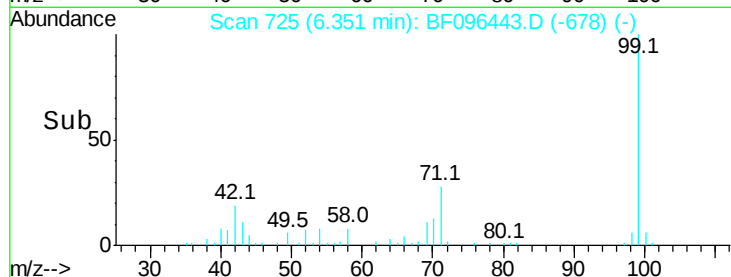
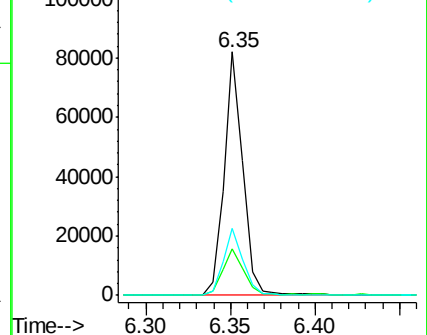
99 100

42 19.1 13.5 20.3

71 27.5 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: 8.00 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Tgt Ion: 136 Resp: 305585

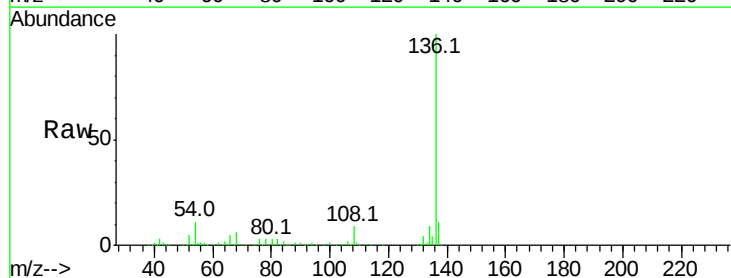
Ion Ratio Lower Upper

136 100

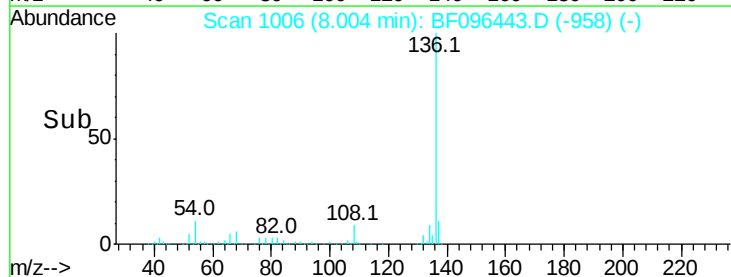
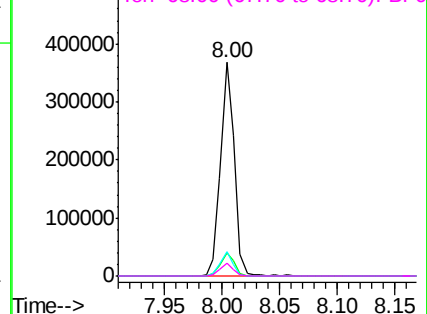
137 10.8 8.5 12.7

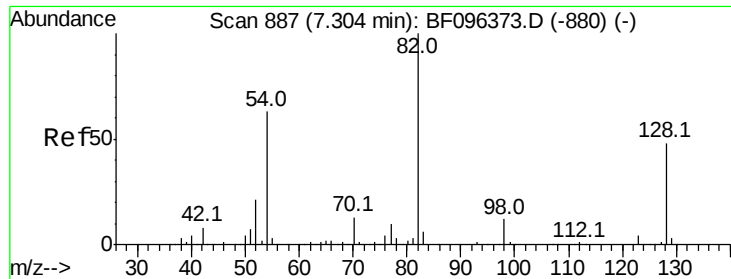
54 11.2 4.9 7.3#

68 6.1 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

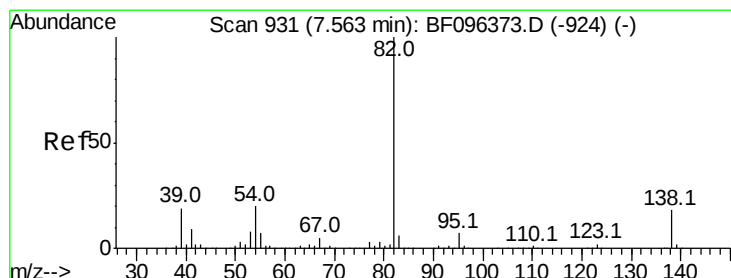
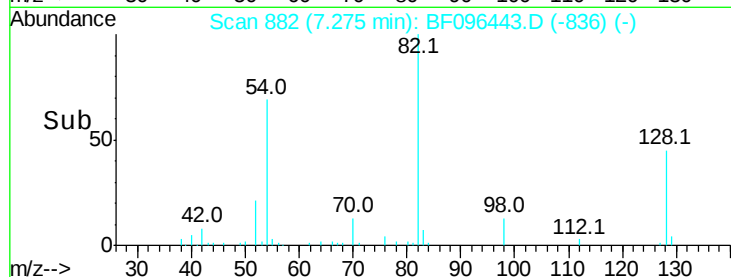
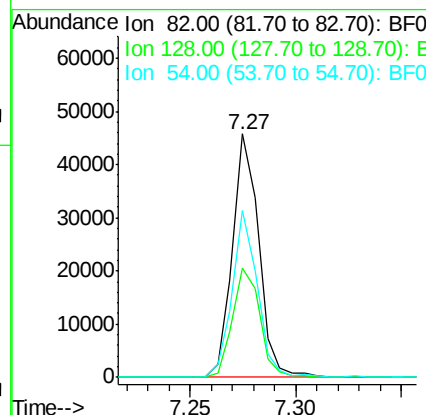
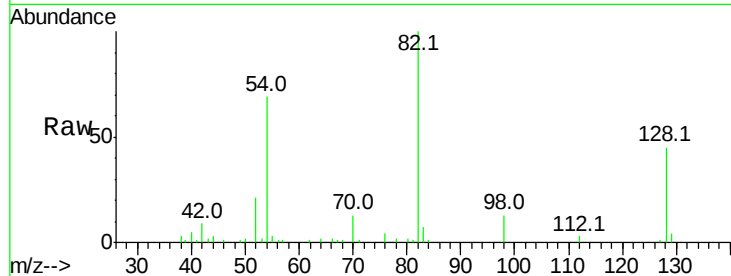




#23
Nitrobenzene-d5
Concen: 7.74 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

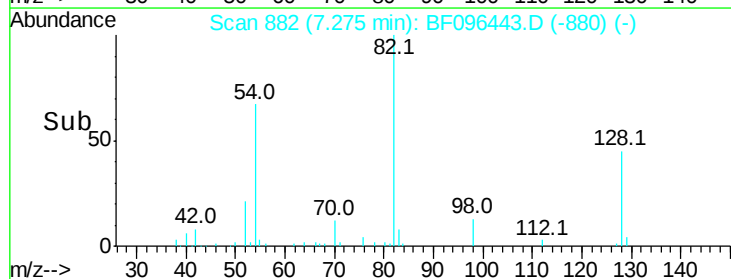
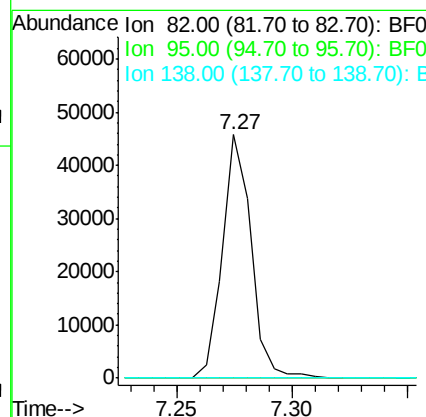
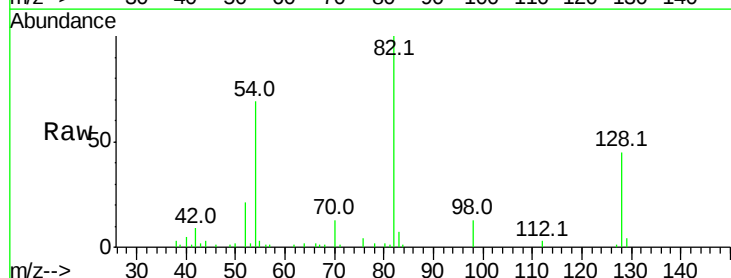
Instrument :
BNA_F
ClientSampleId :

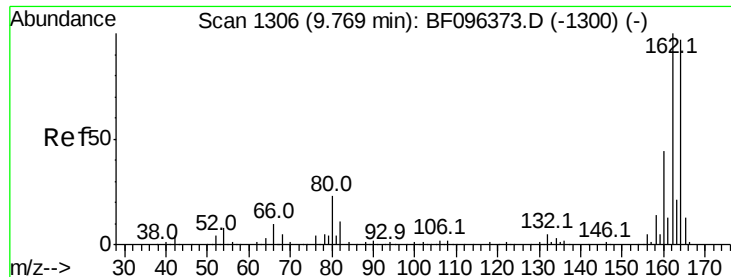
Tot Ion: 82 Resp: 39345
Ion Ratio Lower Upper
82 100
128 44.9 34.0 51.0
54 68.7 42.2 63.2#



#25
Isophorone
Concen: 3.99 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.29 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

Tgt Ion: 82 Resp: 39344
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

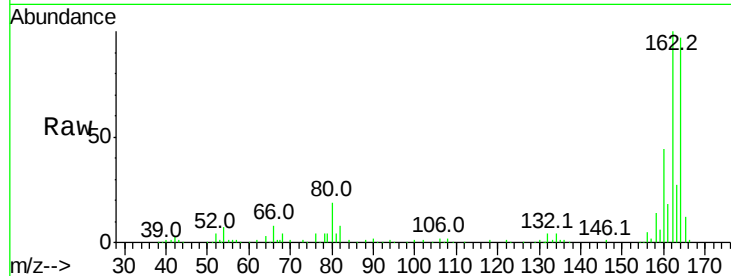




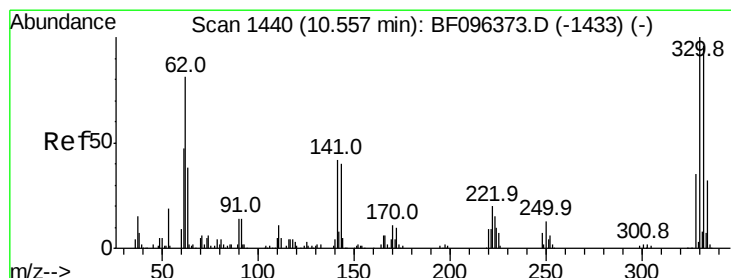
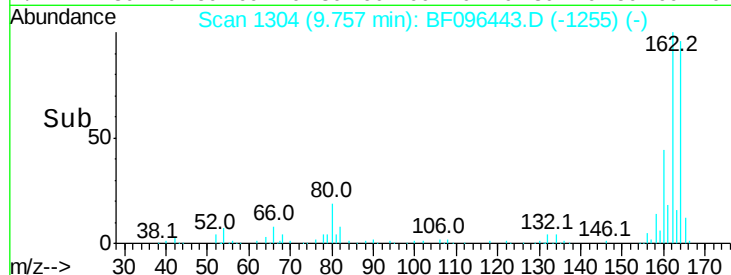
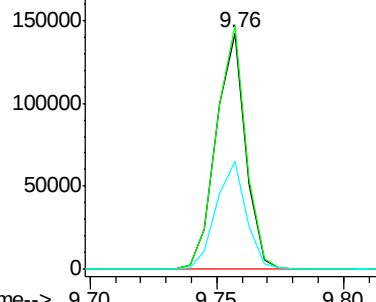
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 114986
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 45.5 36.2 54.2

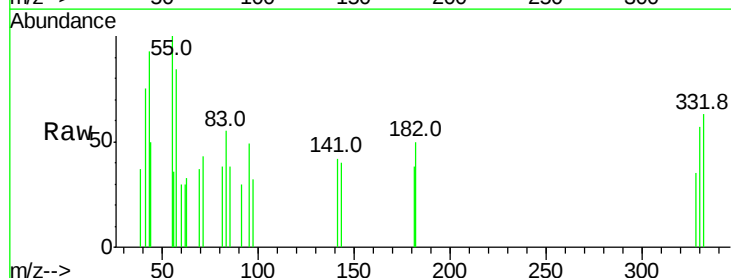


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

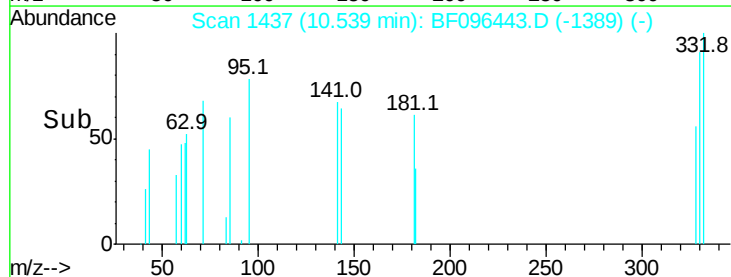
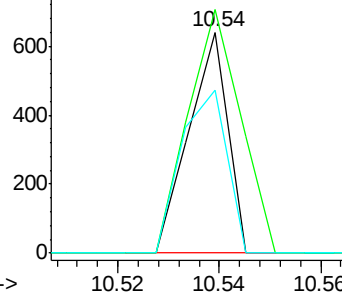


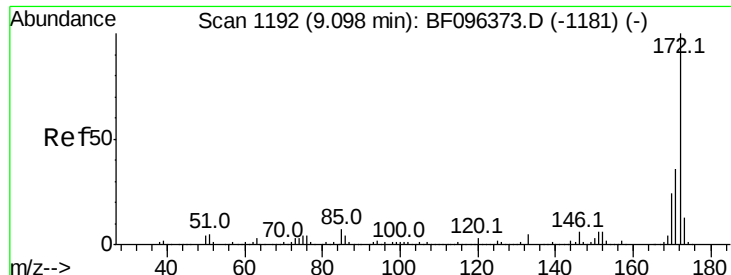
#41
2,4,6-Tribromophenol
Concen: 0.38 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

Tgt Ion:330 Resp: 339
Ion Ratio Lower Upper
330 100
332 148.1 76.6 115.0#
141 87.0 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

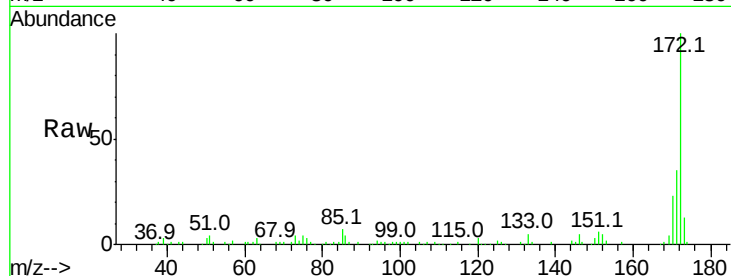




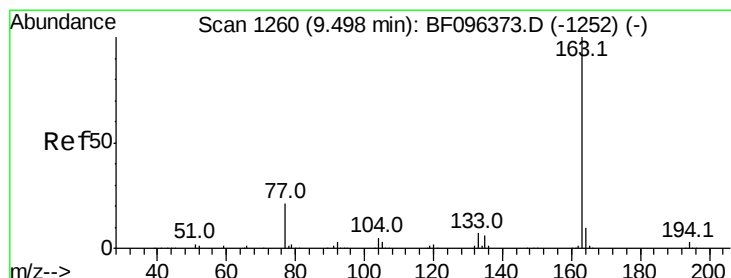
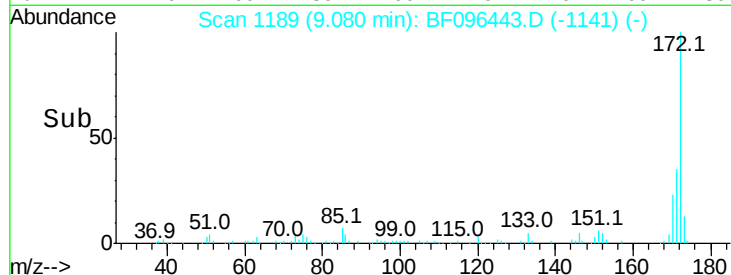
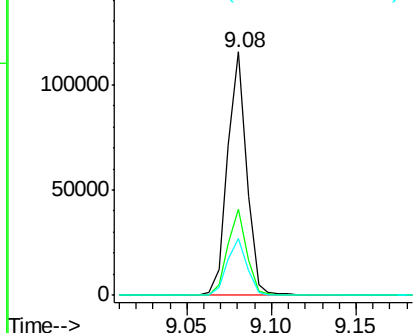
#44
 2-Fluorobiphenyl
 Concen: 13.49 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096443.D
 Acq: 3 Jul 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 90744
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.6 44.4
 170 23.4 19.8 29.8

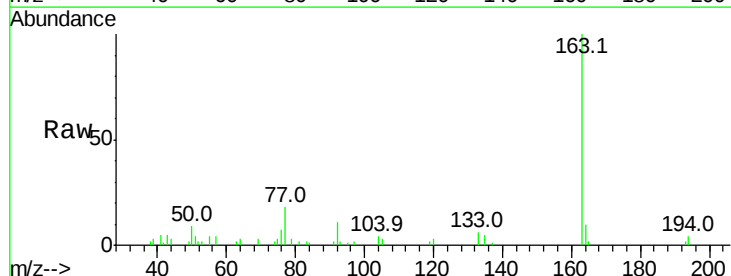


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

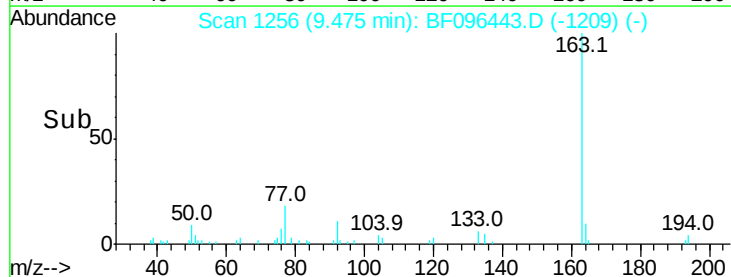
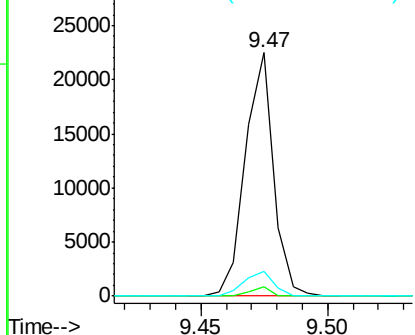


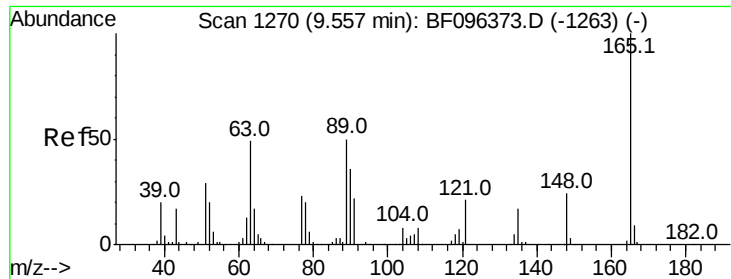
#49
 Dimethylphthalate
 Concen: 2.03 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF096443.D
 Acq: 3 Jul 2017 16:09

Tgt Ion:163 Resp: 17395
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.6 4.0
 164 10.4 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

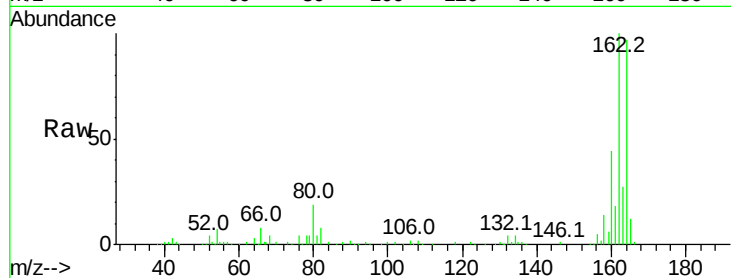




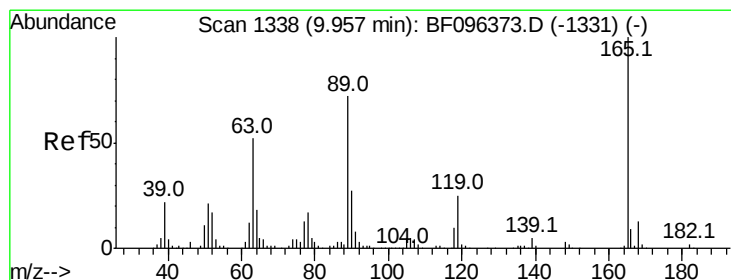
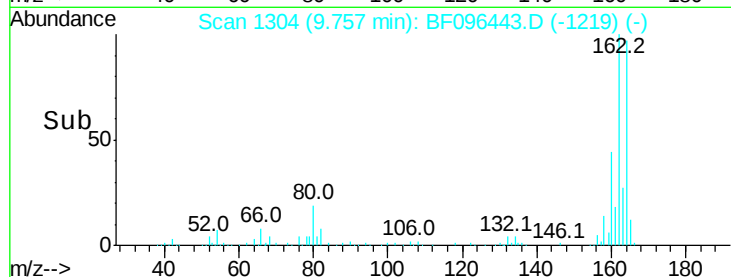
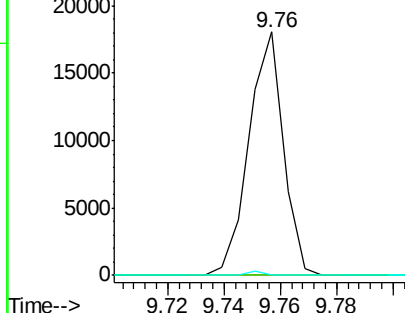
#50
 2,6-Dinitrotoluene
 Concen: 8.04 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF096443.D
 Acq: 3 Jul 2017 16:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

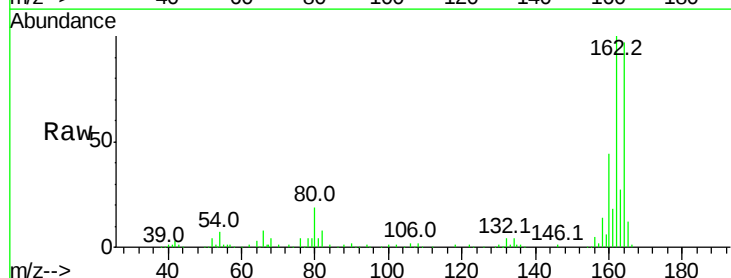


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

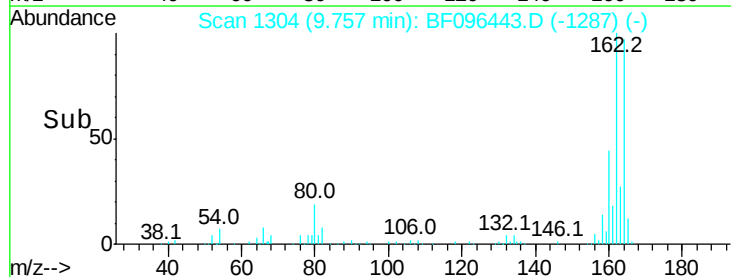
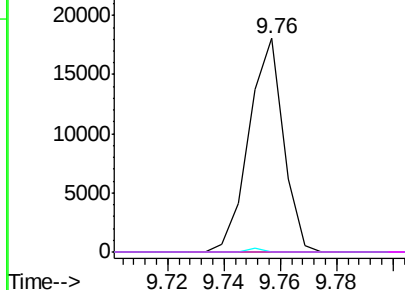


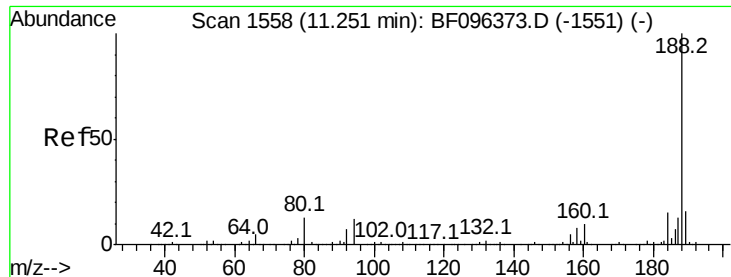
#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF096443.D
 Acq: 3 Jul 2017 16:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	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: 11.23 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

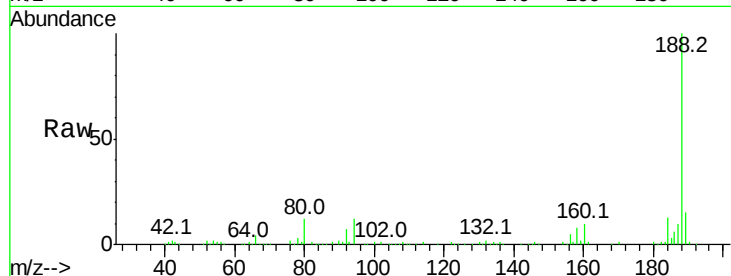
Tot Ion:188 Resp: 161279

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

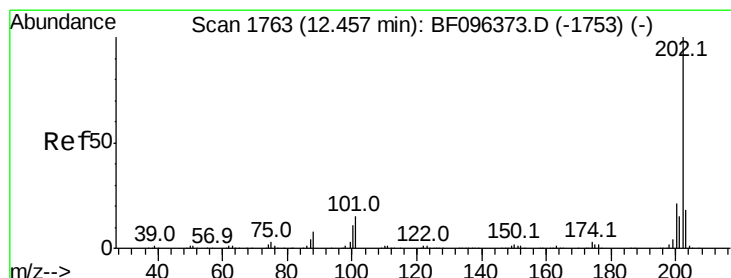
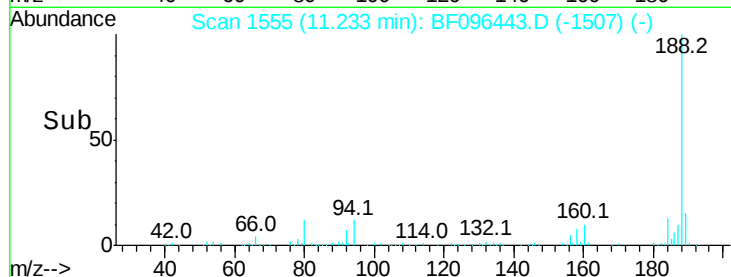
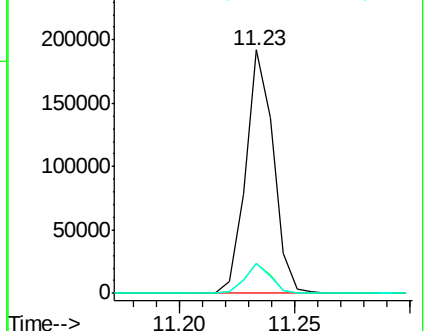
80 12.3 10.2 15.2



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



#74

Fluoranthene

Concen: 2.02 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

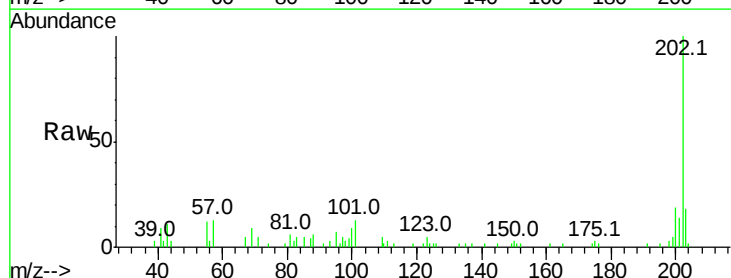
Tgt Ion:202 Resp: 17236

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

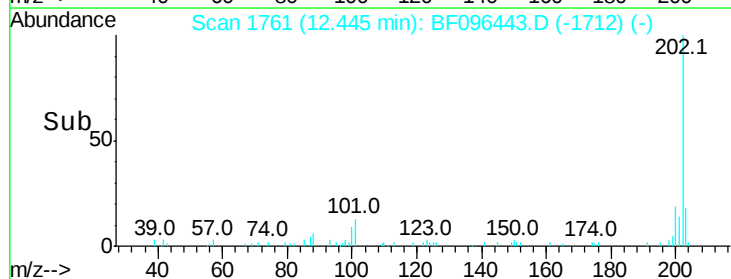
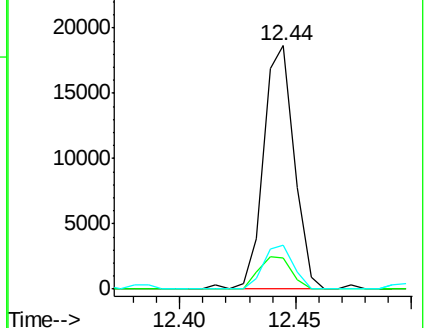
203 18.0 0.0 38.1

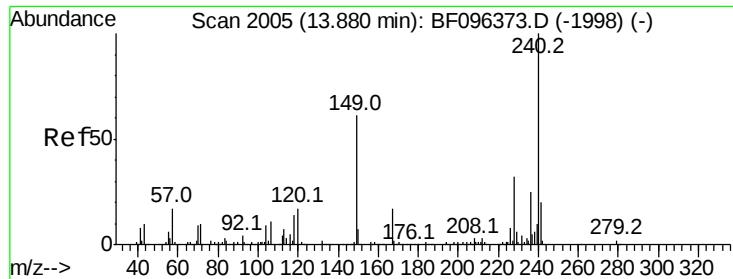


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

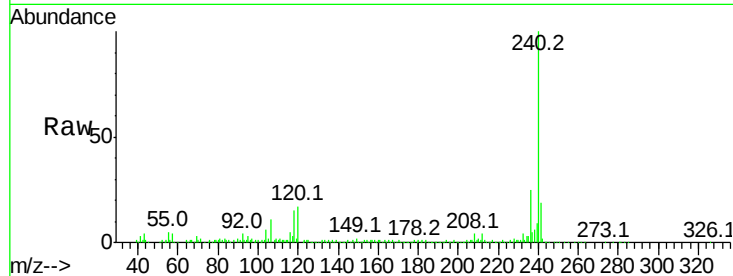
Tot Ion:240 Resp: 155420

Ion Ratio Lower Upper

240 100

120 17.0 5.8 8.8#

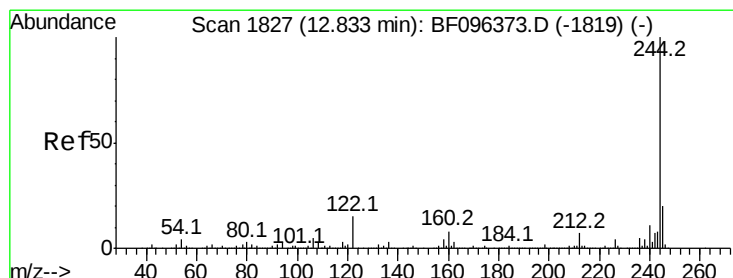
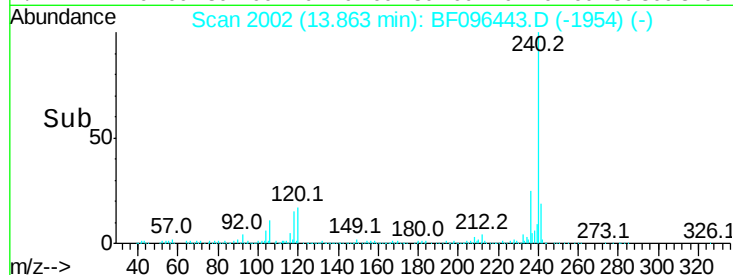
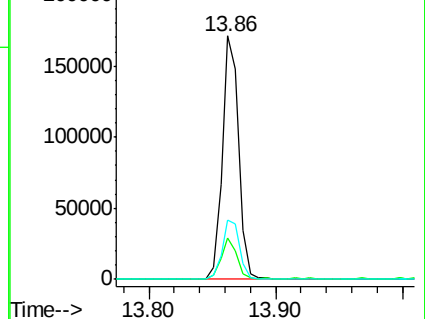
236 24.6 20.5 30.7



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



#78

Terphenyl-d14

Concen: 7.59 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

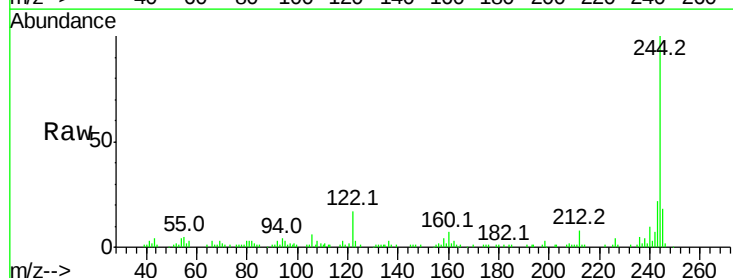
Tgt Ion:244 Resp: 55170

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

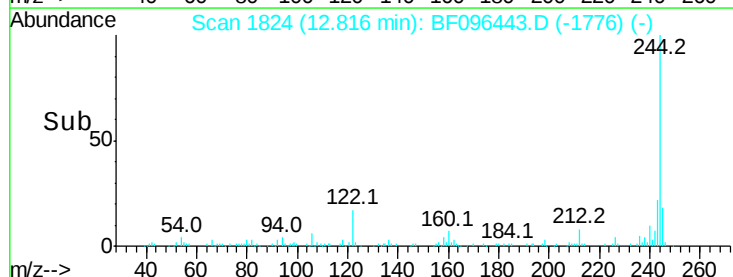
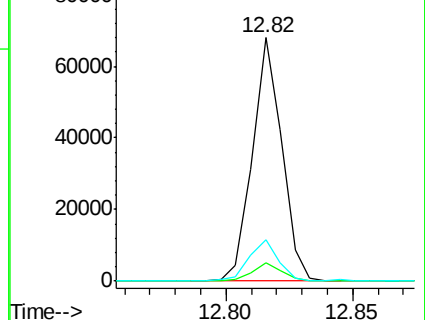
122 17.2 10.3 15.5#

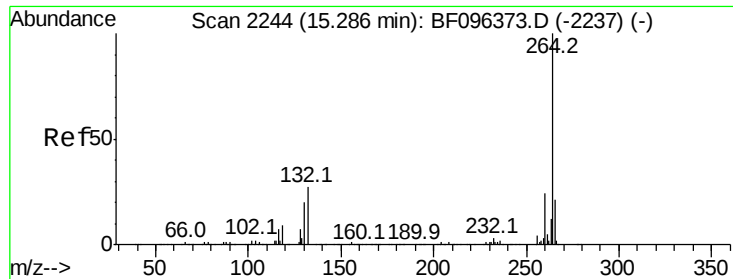


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

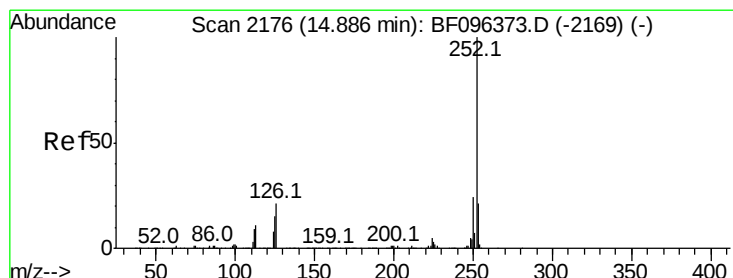
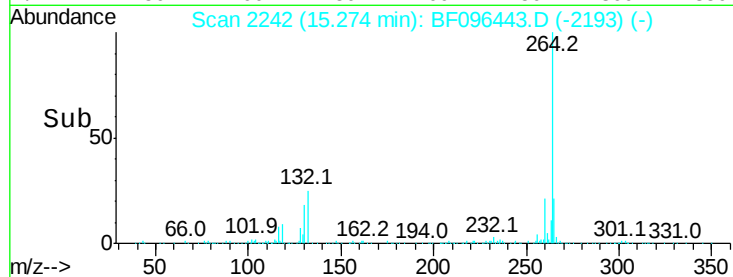
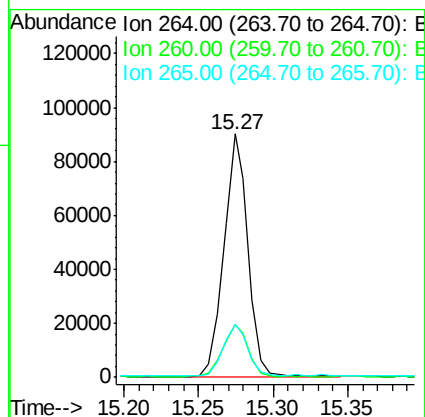
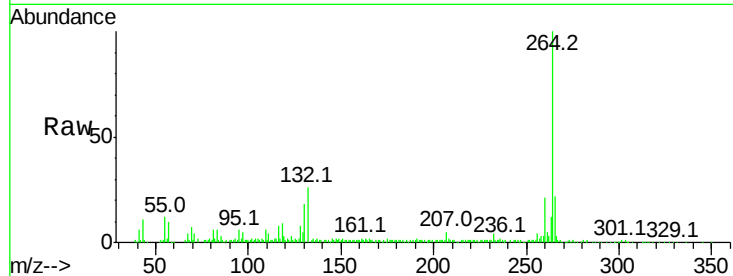




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

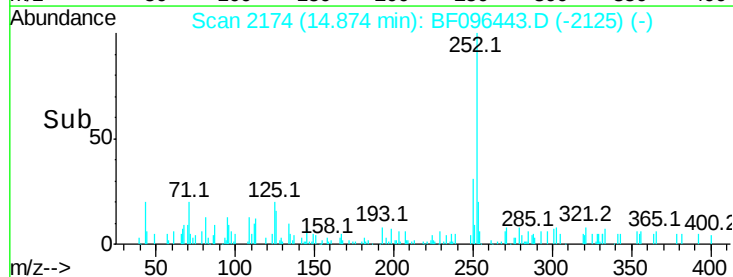
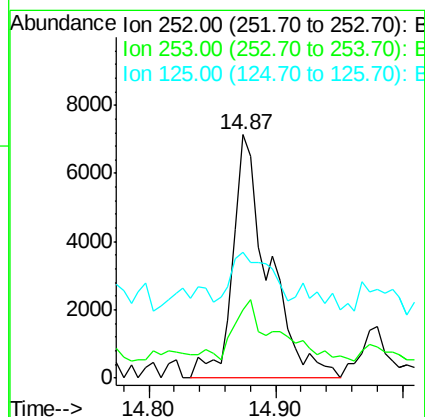
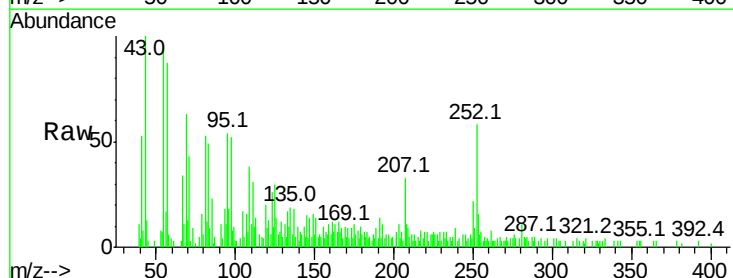
Instrument :
BNA_F
ClientSampleId :

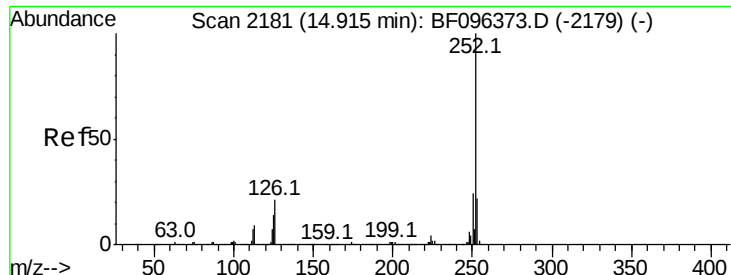
Tot Ion:264 Resp: 103129
Ion Ratio Lower Upper
264 100
260 21.5 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.15 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF096443.D
Acq: 3 Jul 2017 16:09

Tgt Ion:252 Resp: 13916
Ion Ratio Lower Upper
252 100
253 28.2 18.1 27.1#
125 51.9 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.41 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF096443.D

Acq: 3 Jul 2017 16:09

Instrument :

BNA_F

ClientSampleId :

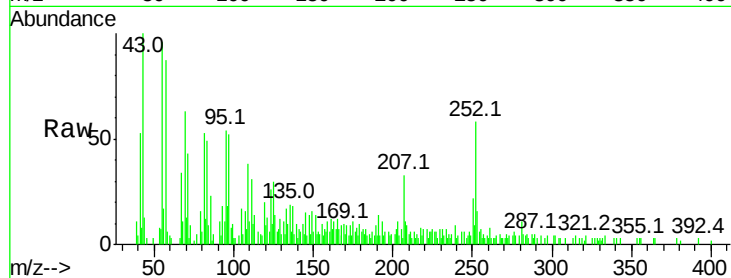
Tot Ion:252 Resp: 13916

Ion Ratio Lower Upper

252 100

253 28.2 18.4 27.6#

125 51.9 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

