

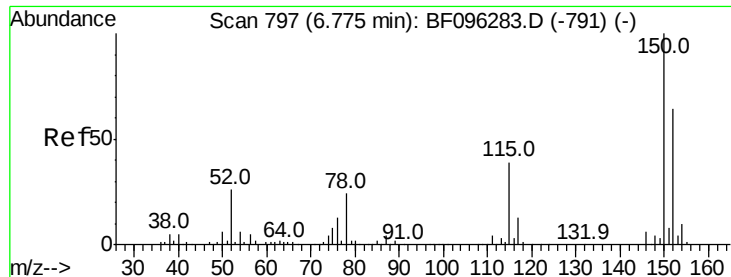
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096352.D
 Acq On : 30 Jun 2017 22:39
 Operator : SJ/MA
 Sample : I3908-07 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 23:18:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	125019	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	476055	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	165834	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	243747	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	271375	20.00	ng	-0.01
86) Perylene-d12	15.32	264	190571	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	187490	21.61	ng	-0.02
7) Phenol-d6	6.38	99	256373	24.40	ng	-0.01
23) Nitrobenzene-d5	7.31	82	132750	19.30	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	17675	13.54	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	220640	24.37	ng	-0.03
78) Terphenyl-d14	12.85	244	159782	14.69	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.30	77	164	Below Cal	#	89
19) n-Nitroso-di-n-propylamine	7.31	70	17078	2.71 ng	#	88
25) Isophorone	7.31	82	132748	8.50 ng	#	67
49) Dimethylphthalate	9.50	163	39789	3.35 ng		100
50) 2,6-Dinitrotoluene	9.79	165	21247	8.61 ng	#	34
56) 2,4-Dinitrotoluene	9.79	165	21247	6.83 ng	#	33
57) Fluorene	10.33	166	1239	Below Cal	#	66
70) Phenanthrene	11.29	178	22294	Below Cal		96
74) Fluoranthene	12.48	202	39237	2.90 ng		96
87) Benzo(b)fluoranthene	14.92	252	30583	2.44 ng	#	75
88) Benzo(k)fluoranthene	14.92	252	30583	2.68 ng	#	78

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

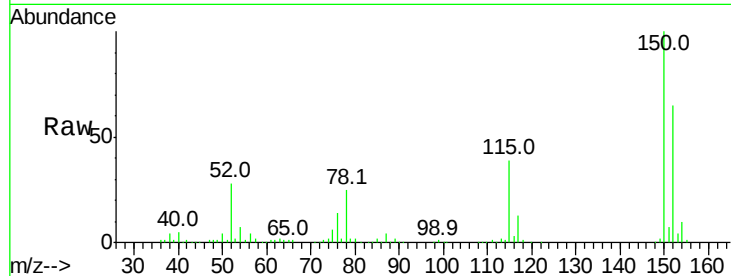


#1

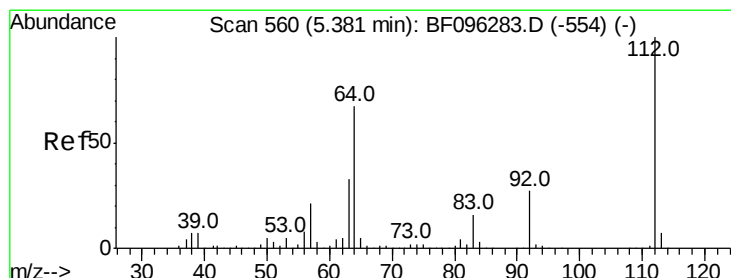
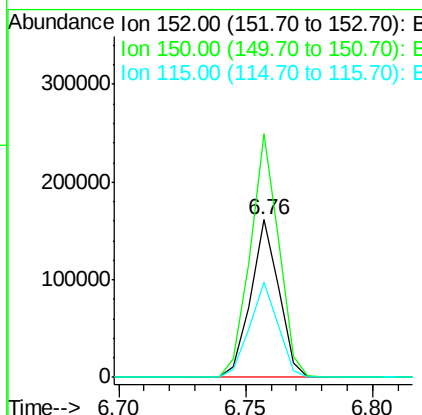
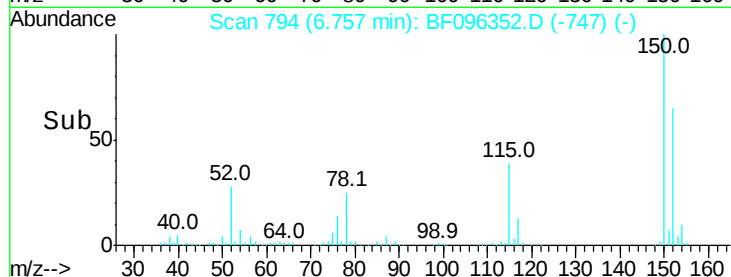
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	60.6	52.2	78.2



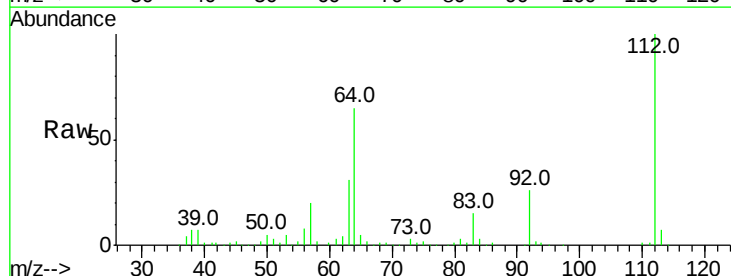
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



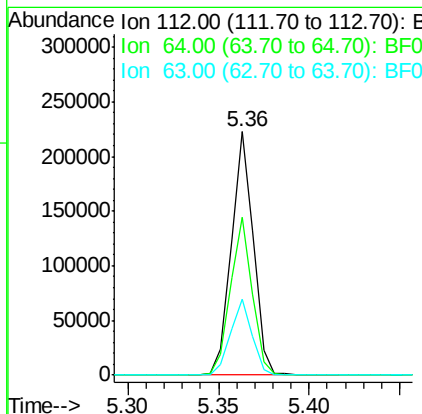
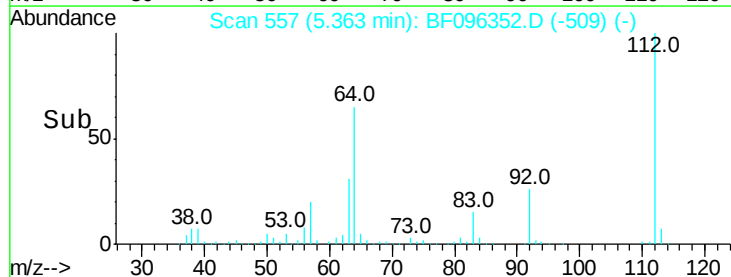
#5

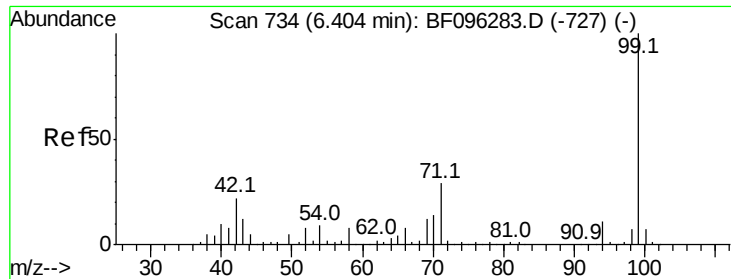
2-Fluorophenol
Concen: 21.61 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	46.0	69.0
63	31.4	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: 24.40 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

Instrument :

BNA_F

ClientSampled :

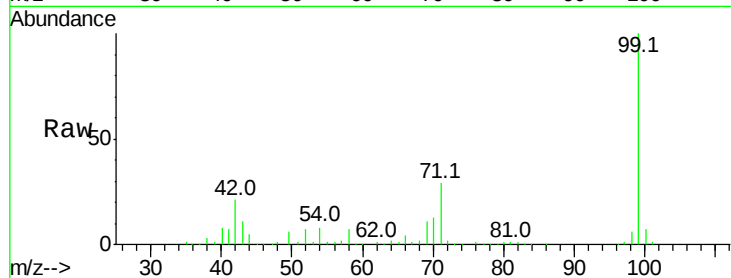
Tot Ion: 99 Resp: 256373

Ion Ratio Lower Upper

99 100

42 20.8 13.5 20.3#

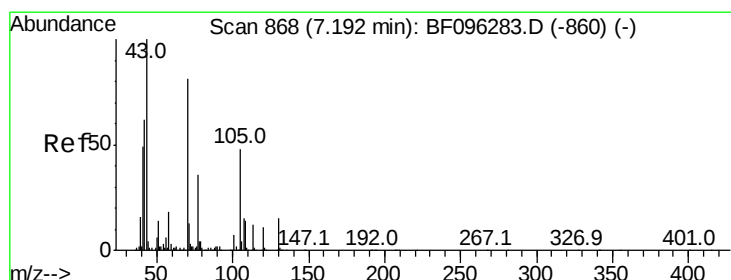
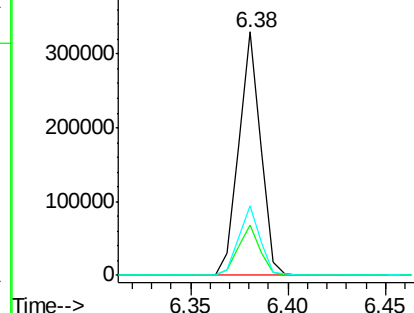
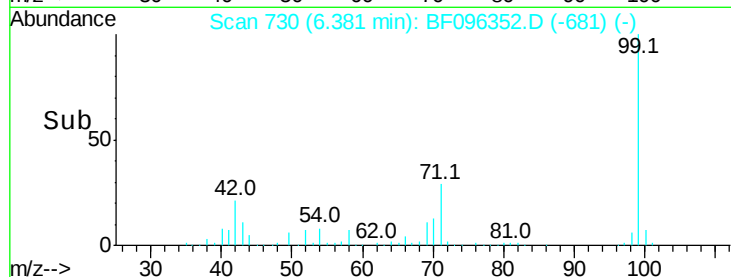
71 28.6 24.5 36.7



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: 2.71 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

Tgt Ion: 70 Resp: 17078

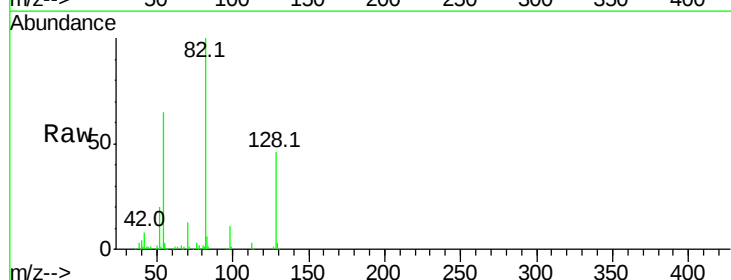
Ion Ratio Lower Upper

70 100

42 57.5 47.2 70.8

101 0.0 7.2 10.8#

130 3.0 15.9 23.9#

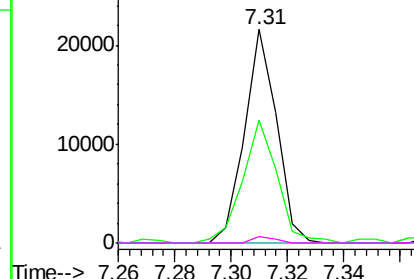
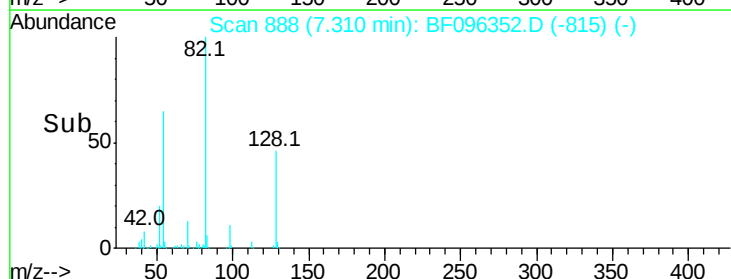


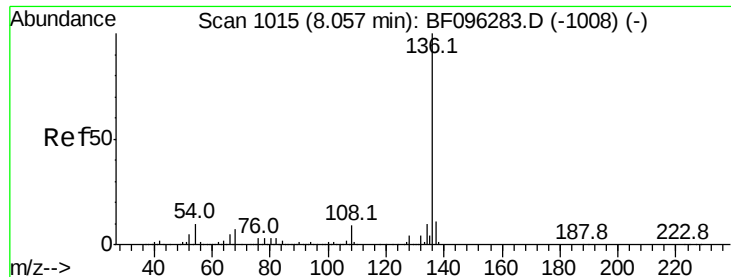
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

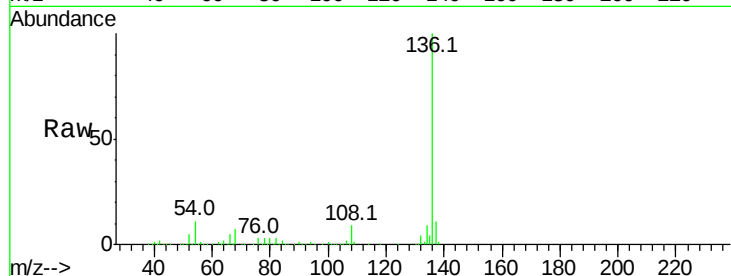




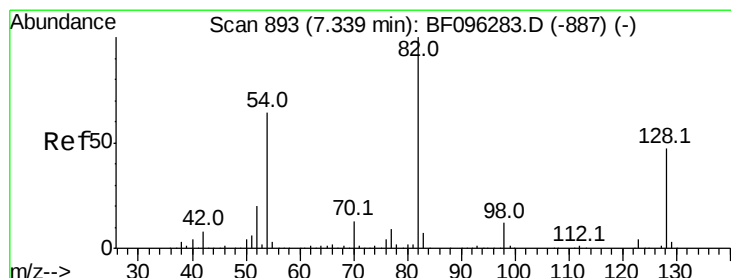
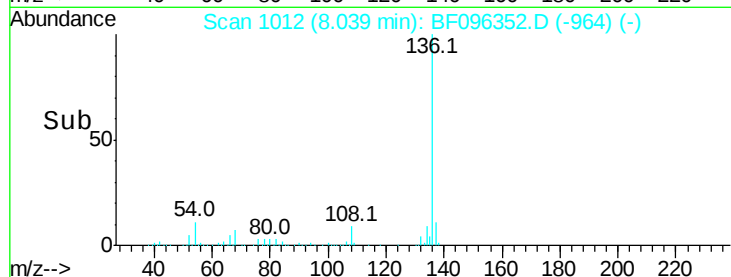
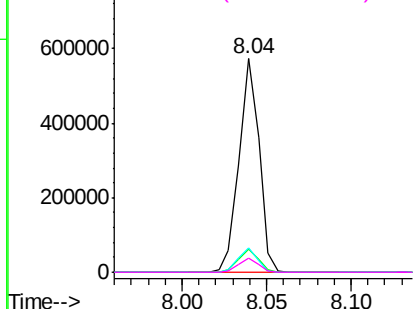
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	476055
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	11.2	4.9 7.3#
68	6.8	4.1 6.1#

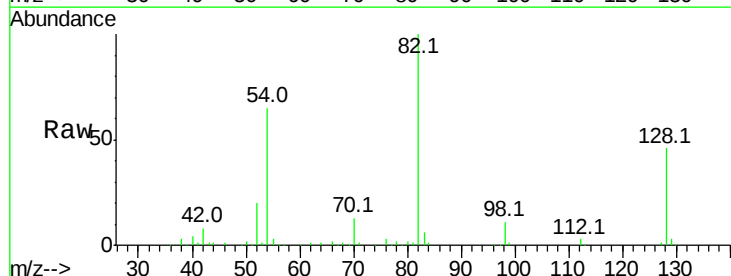


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

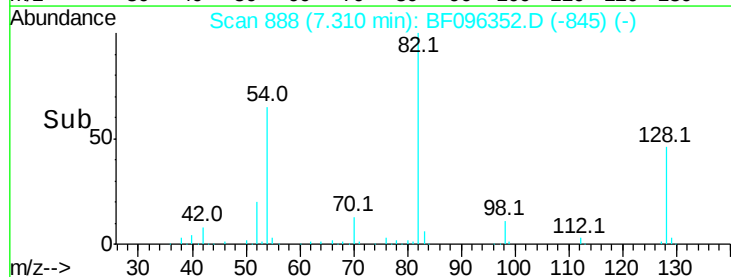
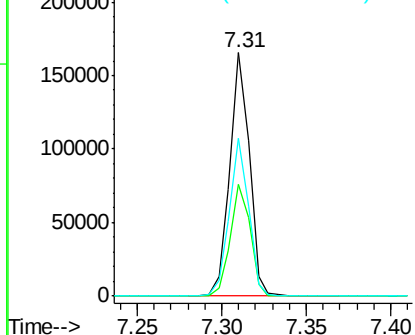


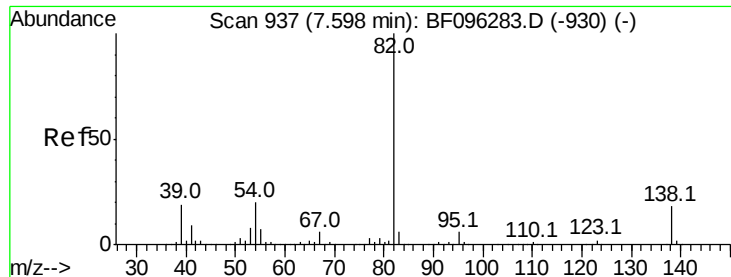
#23
Nitrobenzene-d5
Concen: 19.30 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.05 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Tgt Ion: 82	Resp:	132750
Ion Ratio	Lower	Upper
82	100	
128	45.9	34.0 51.0
54	65.0	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





#25

Isophorone

Concen: 8.50 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

Instrument :

BNA_F

ClientSampleId :

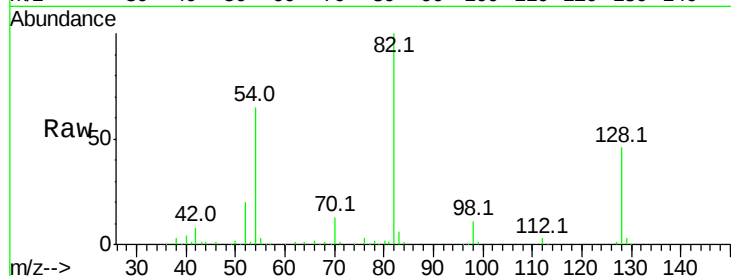
Tot Ion: 82 Resp: 132748

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

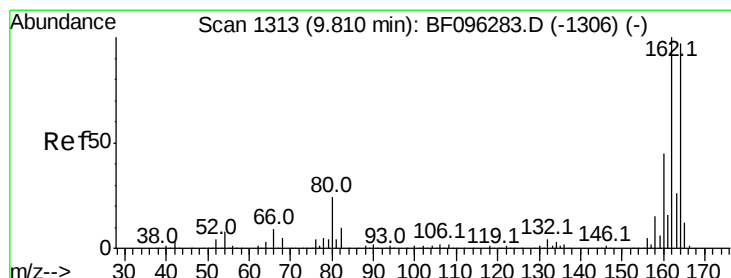
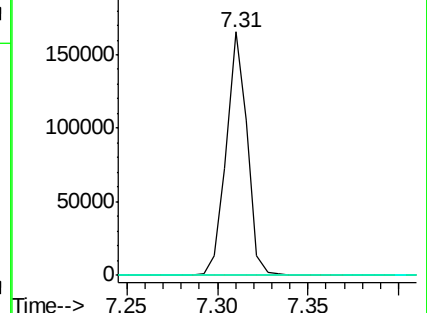
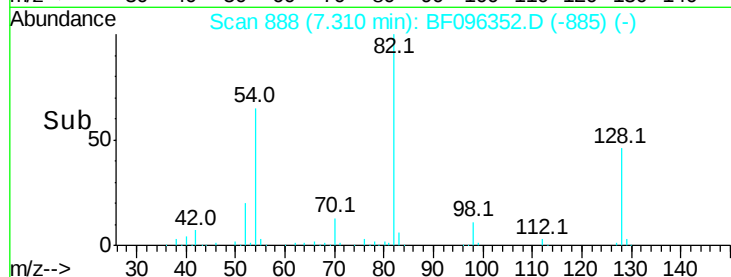
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

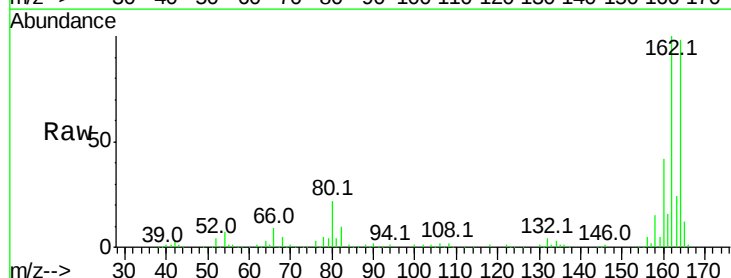
Tgt Ion:164 Resp: 165834

Ion Ratio Lower Upper

164 100

162 101.6 82.6 123.8

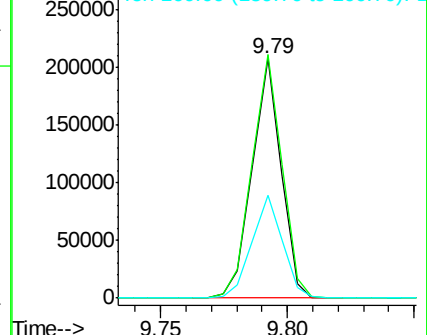
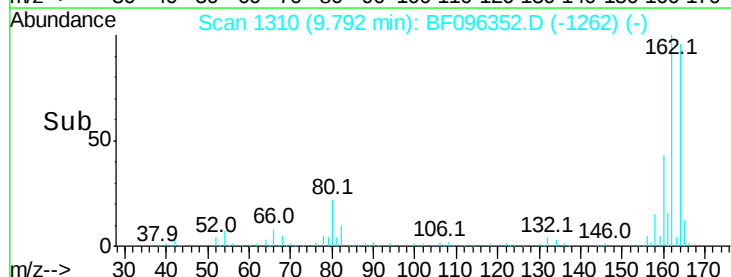
160 43.1 36.2 54.2

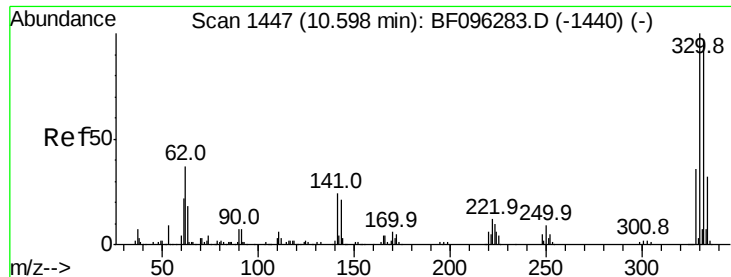


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

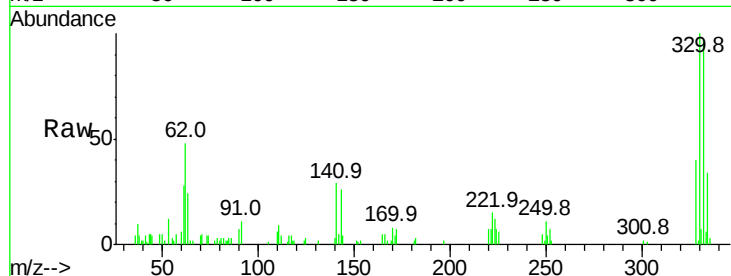




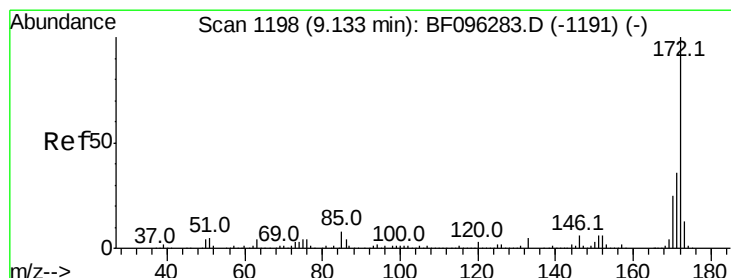
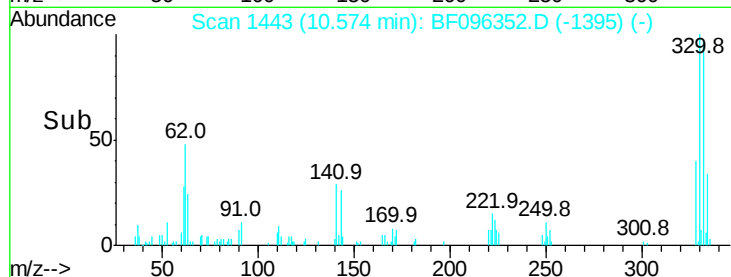
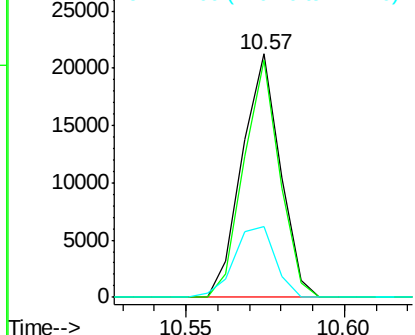
#41
 2,4,6-Tribromophenol
 Concen: 13.54 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096352.D
 Acq: 30 Jun 2017 22:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 17675
 Ion Ratio Lower Upper
 330 100
 332 91.5 76.6 115.0
 141 31.2 31.4 47.2#

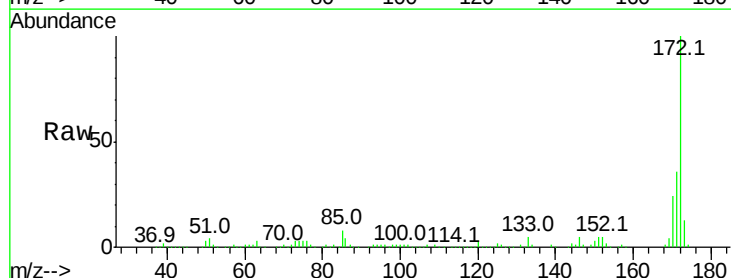


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

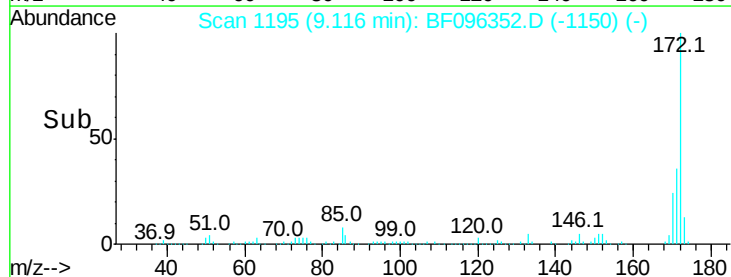
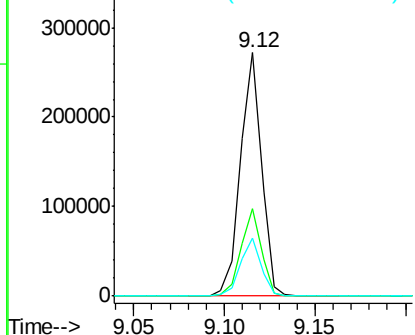


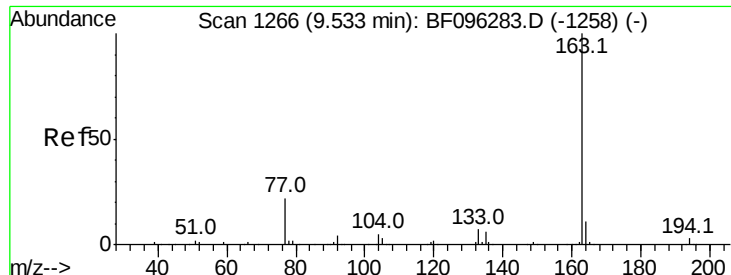
#44
 2-Fluorobiphenyl
 Concen: 24.37 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096352.D
 Acq: 30 Jun 2017 22:39

Tgt Ion:172 Resp: 220640
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.1 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

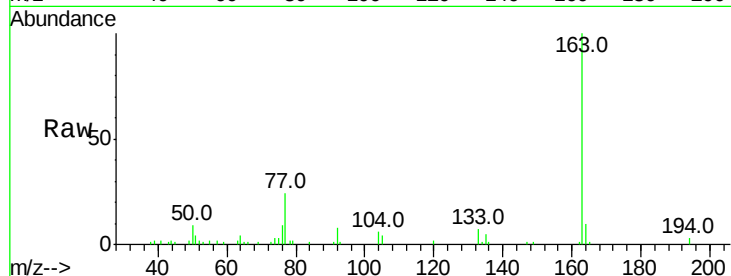




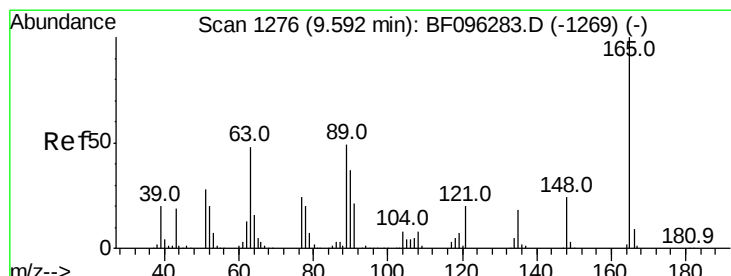
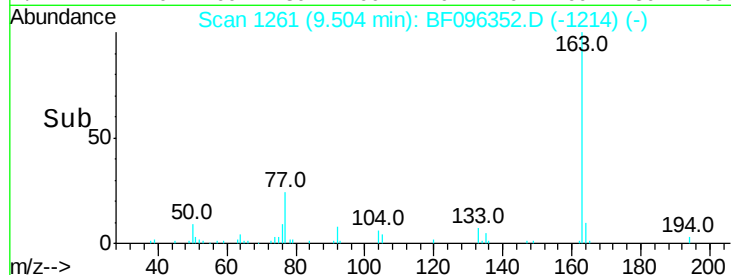
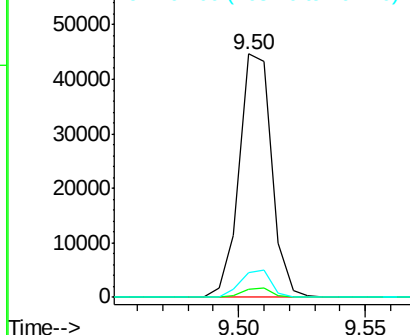
#49
Dimethylphthalate
Concen: 3.35 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 39789
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.3 8.4 12.6

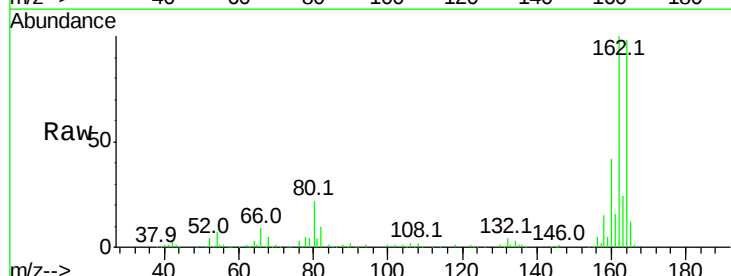


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

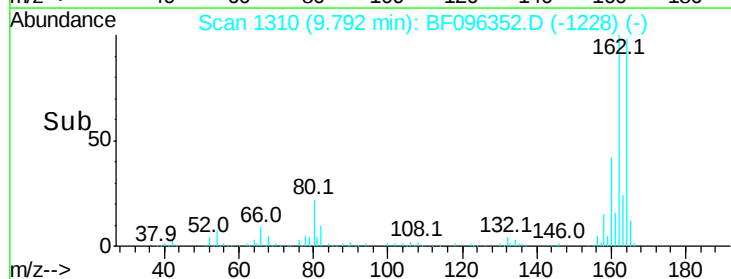
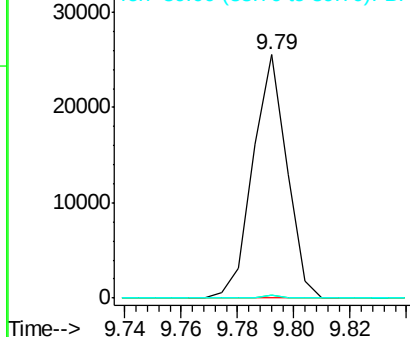


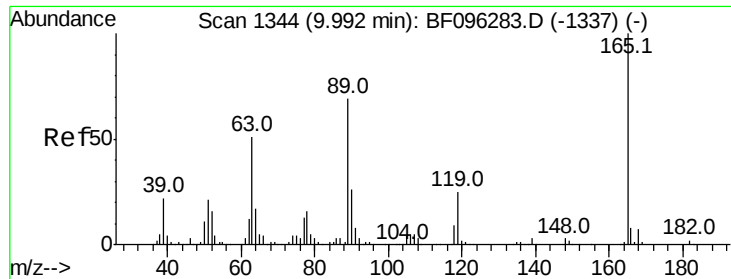
#50
2,6-Dinitrotoluene
Concen: 8.61 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.18 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Tgt Ion:165 Resp: 21247
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 1.3 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: 6.83 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.22 min

Lab File: BF096352.D

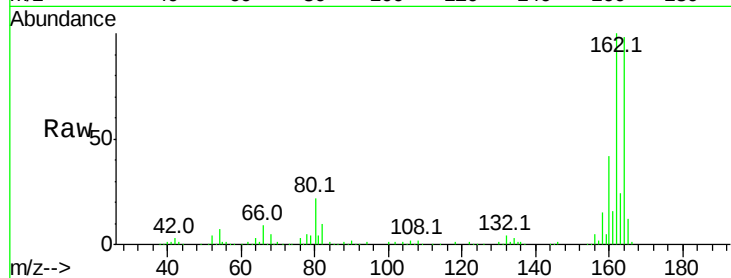
Acq: 30 Jun 2017 22:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	21247
Ion Ratio	Lower	Upper
165	100	
63	1.5	25.4 38.0#
89	1.3	46.4 69.6#
182	0.0	1.8 2.6#

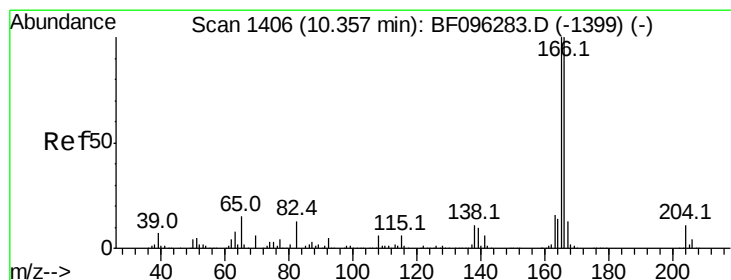
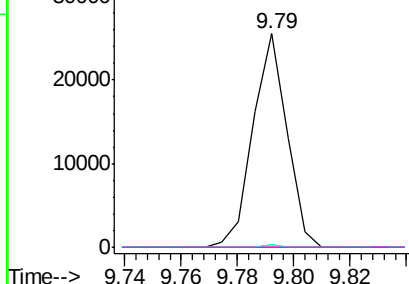
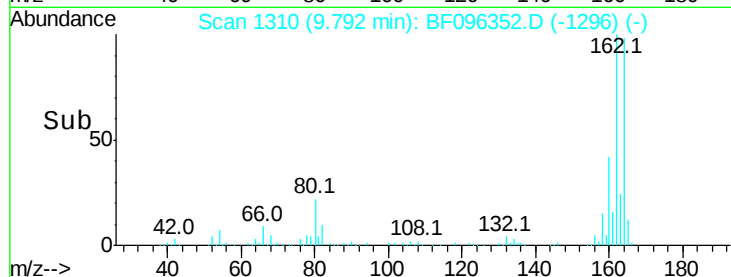


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: Below Cal

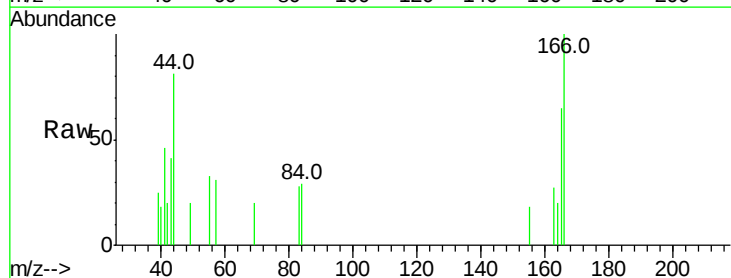
RT: 10.33 min Scan# 1402

Delta R.T. -0.03 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

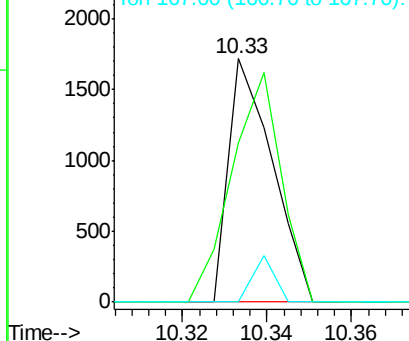
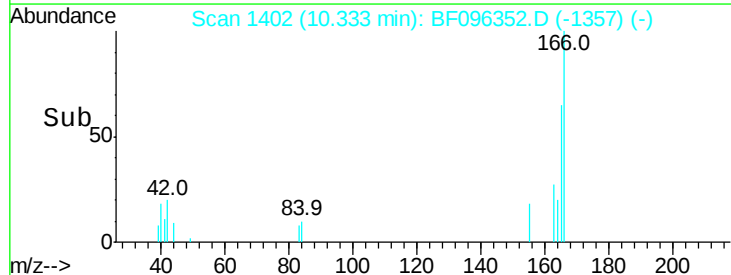
Tgt Ion:166	Resp:	1239
Ion Ratio	Lower	Upper
166	100	
165	65.2	78.8 118.2#
167	0.0	10.6 16.0#

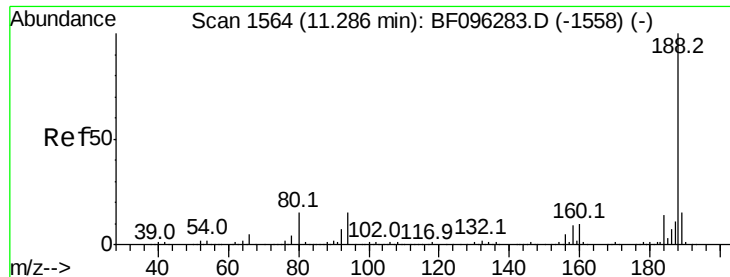


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

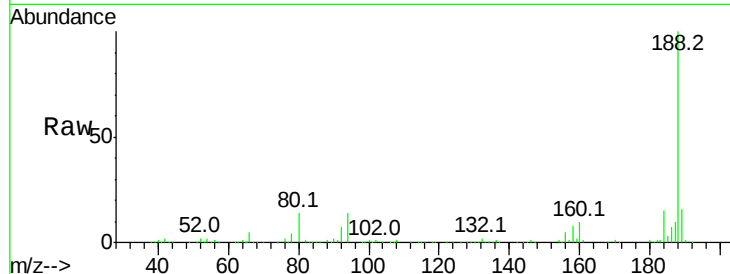




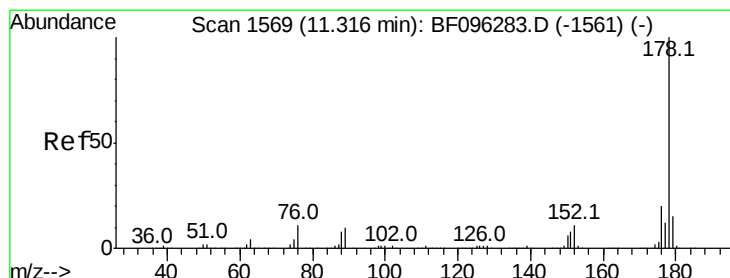
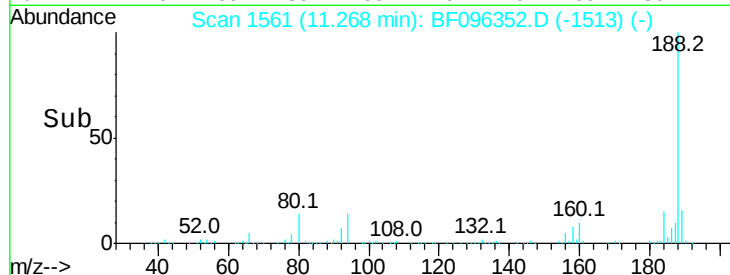
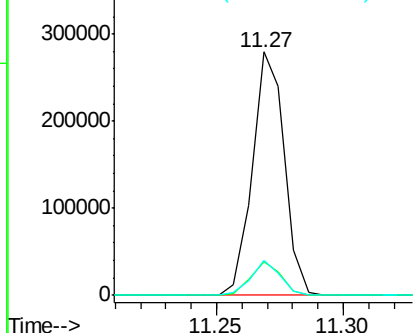
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 243747
Ion Ratio Lower Upper
188 100
94 14.1 9.4 14.2
80 14.2 10.2 15.2

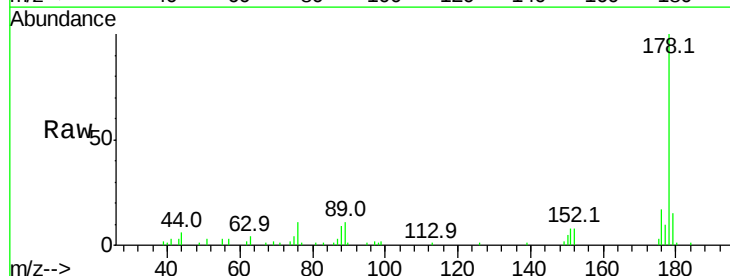


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

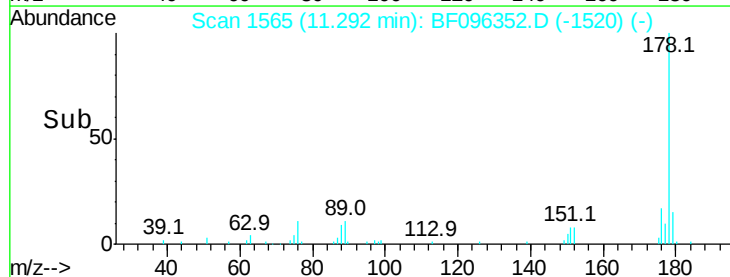
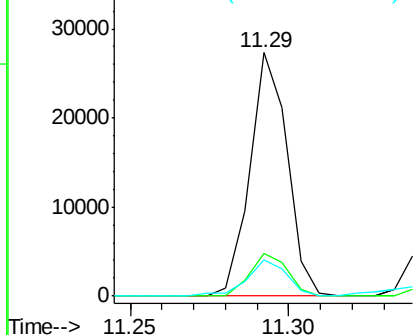


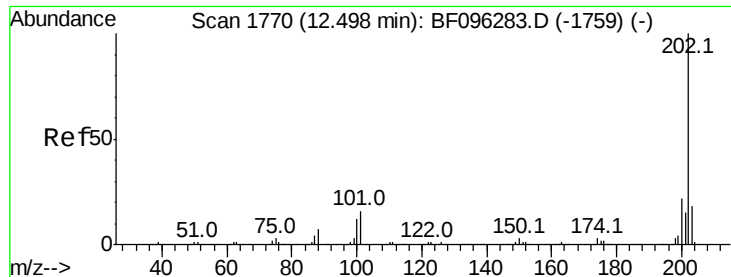
#70
Phenanthrene
Concen: Below Cal
RT: 11.29 min Scan# 1565
Delta R.T. -0.04 min
Lab File: BF096352.D
Acq: 30 Jun 2017 22:39

Tgt Ion:178 Resp: 22294
Ion Ratio Lower Upper
178 100
176 17.4 16.2 24.4
179 15.1 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

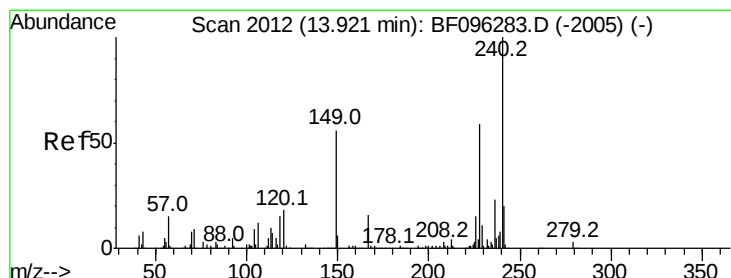
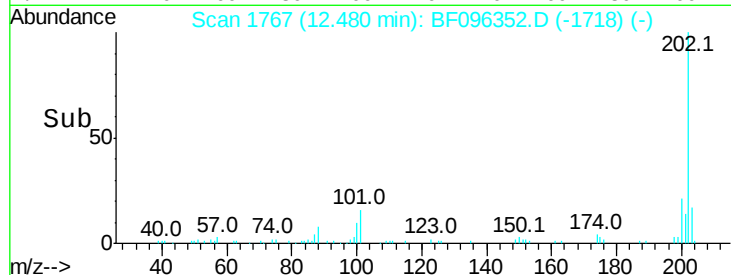
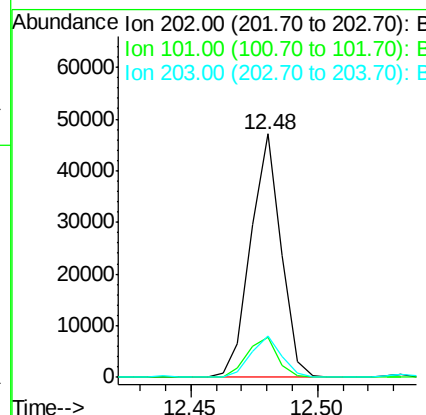
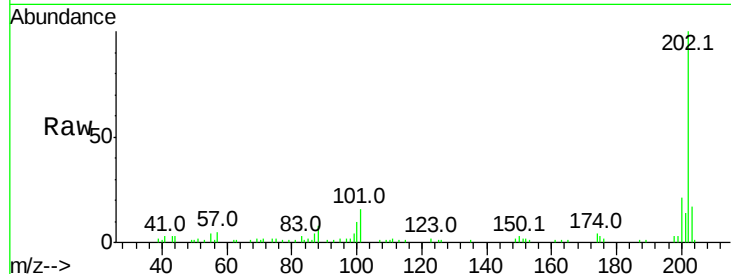




#74
 Fluoranthene
 Concen: 2.90 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BF096352.D
 Acq: 30 Jun 2017 22:39

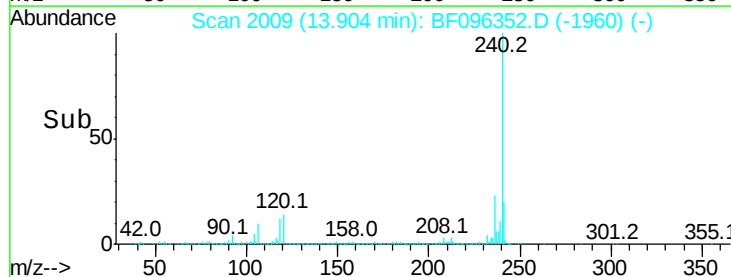
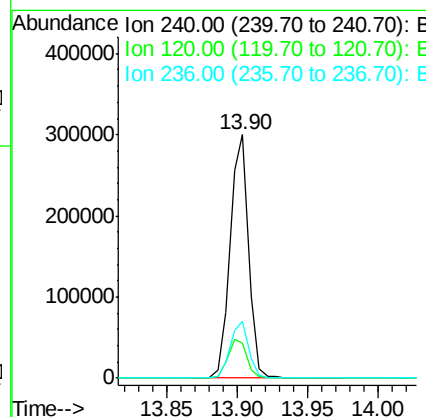
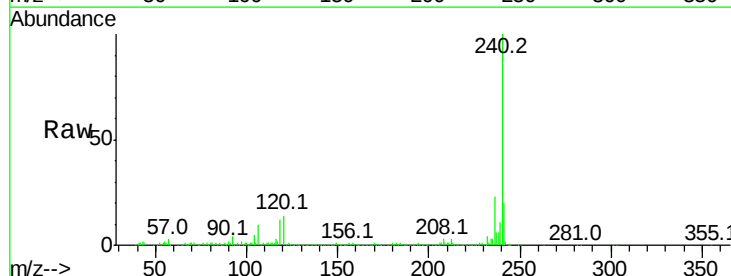
Instrument :
 BNA_F
 ClientSampleId :

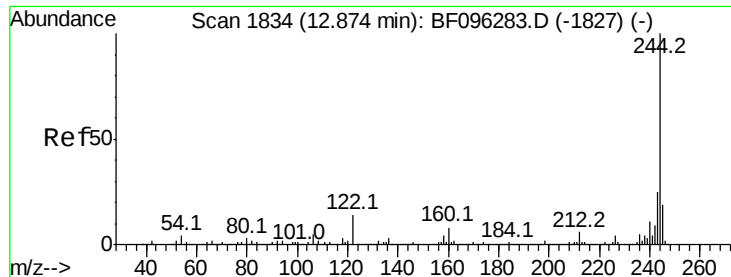
Tot Ion:202 Resp: 39237
 Ion Ratio Lower Upper
 202 100
 101 16.3 0.0 33.2
 203 17.2 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF096352.D
 Acq: 30 Jun 2017 22:39

Tgt Ion:240 Resp: 271375
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 23.3 20.5 30.7





#78

Terphenyl-d14

Concen: 14.69 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

Instrument :

BNA_F

ClientSampleId :

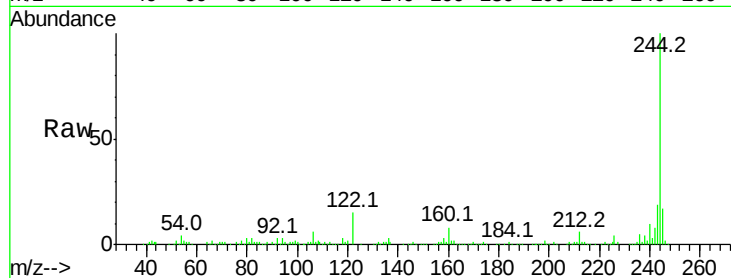
Tot Ion:244 Resp: 159782

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0

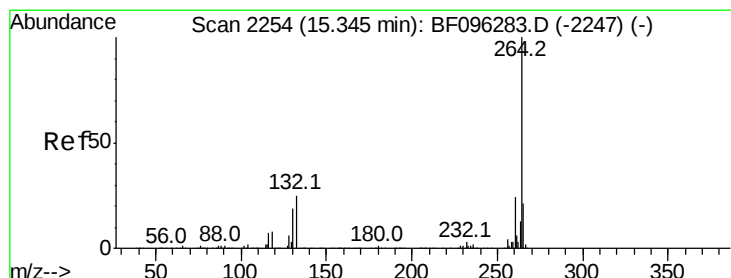
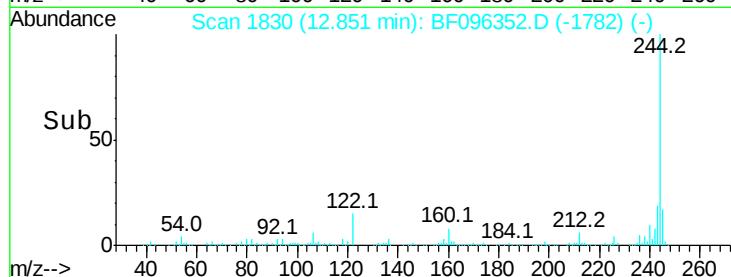
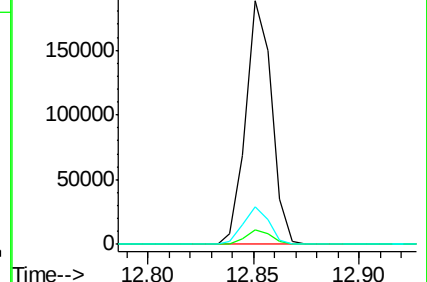
122 15.2 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.02 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

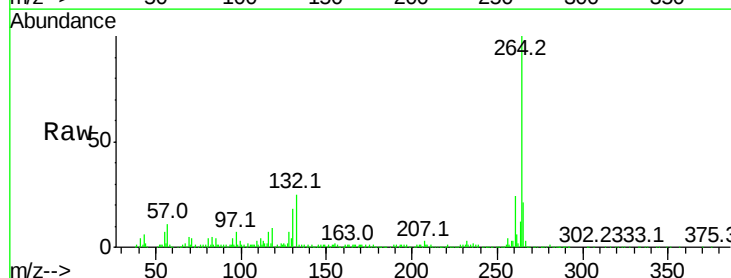
Tgt Ion:264 Resp: 190571

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

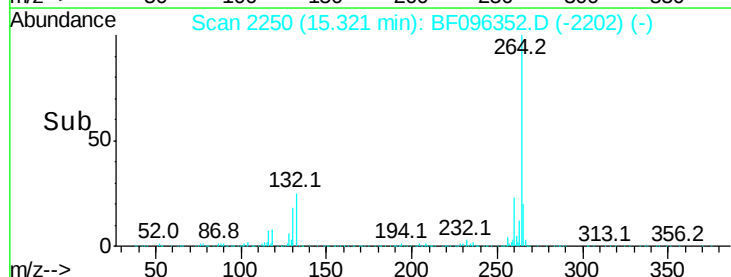
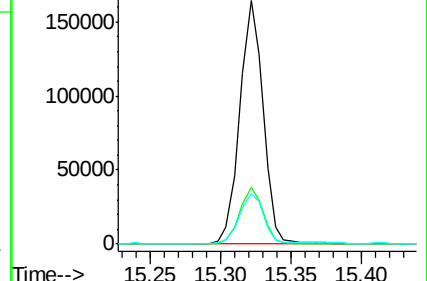
265 20.7 17.2 25.8

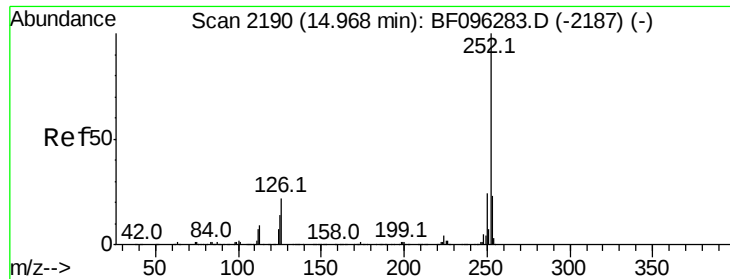


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.44 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

Instrument :

BNA_F

ClientSampleId :

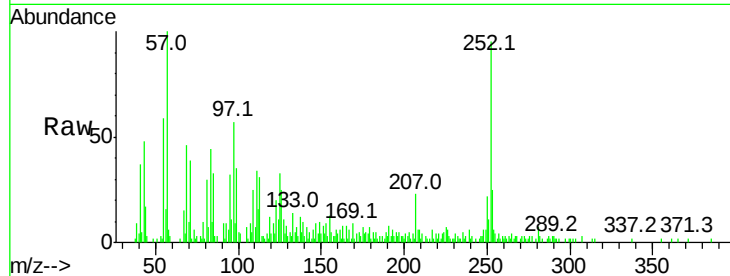
Tot Ion:252 Resp: 30583

Ion Ratio Lower Upper

252 100

253 26.7 18.1 27.1

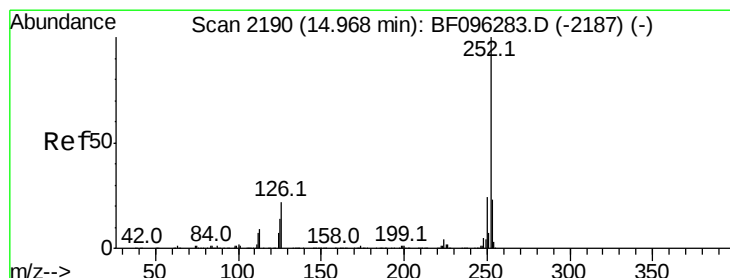
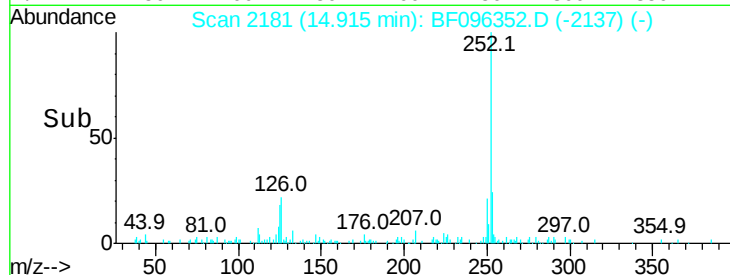
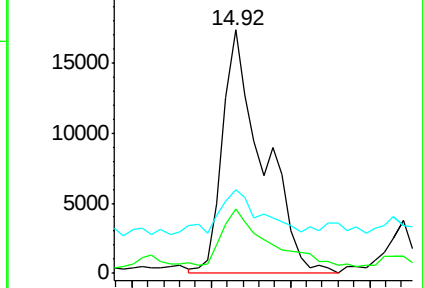
125 34.5 9.8 14.8#



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: 2.68 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096352.D

Acq: 30 Jun 2017 22:39

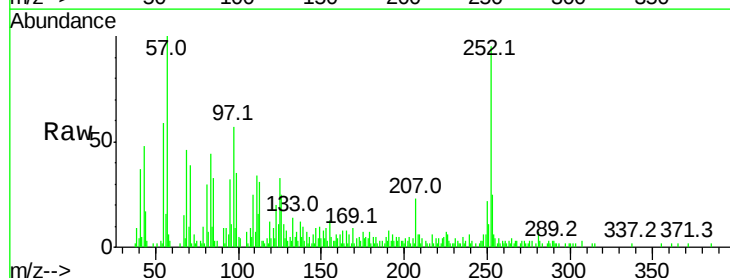
Tgt Ion:252 Resp: 30583

Ion Ratio Lower Upper

252 100

253 26.7 18.4 27.6

125 34.5 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

