

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096308.D
 Acq On : 29 Jun 2017 22:53
 Operator : SJ/MA
 Sample : I3882-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:10:28 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	6.77	152	170993	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	666655	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	243522	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	344476	20.00	ng	0.00
75) Chrysene-d12	13.92	240	331814	20.00	ng	0.00
86) Perylene-d12	15.34	264	241128	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	234203	19.73	ng	0.00
7) Phenol-d6	6.39	99	284517	19.80	ng	0.00
23) Nitrobenzene-d5	7.32	82	146083	15.17	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	40689	21.23	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	257865	19.39	ng	-0.02
78) Terphenyl-d14	12.87	244	170387	12.81	ng	0.00

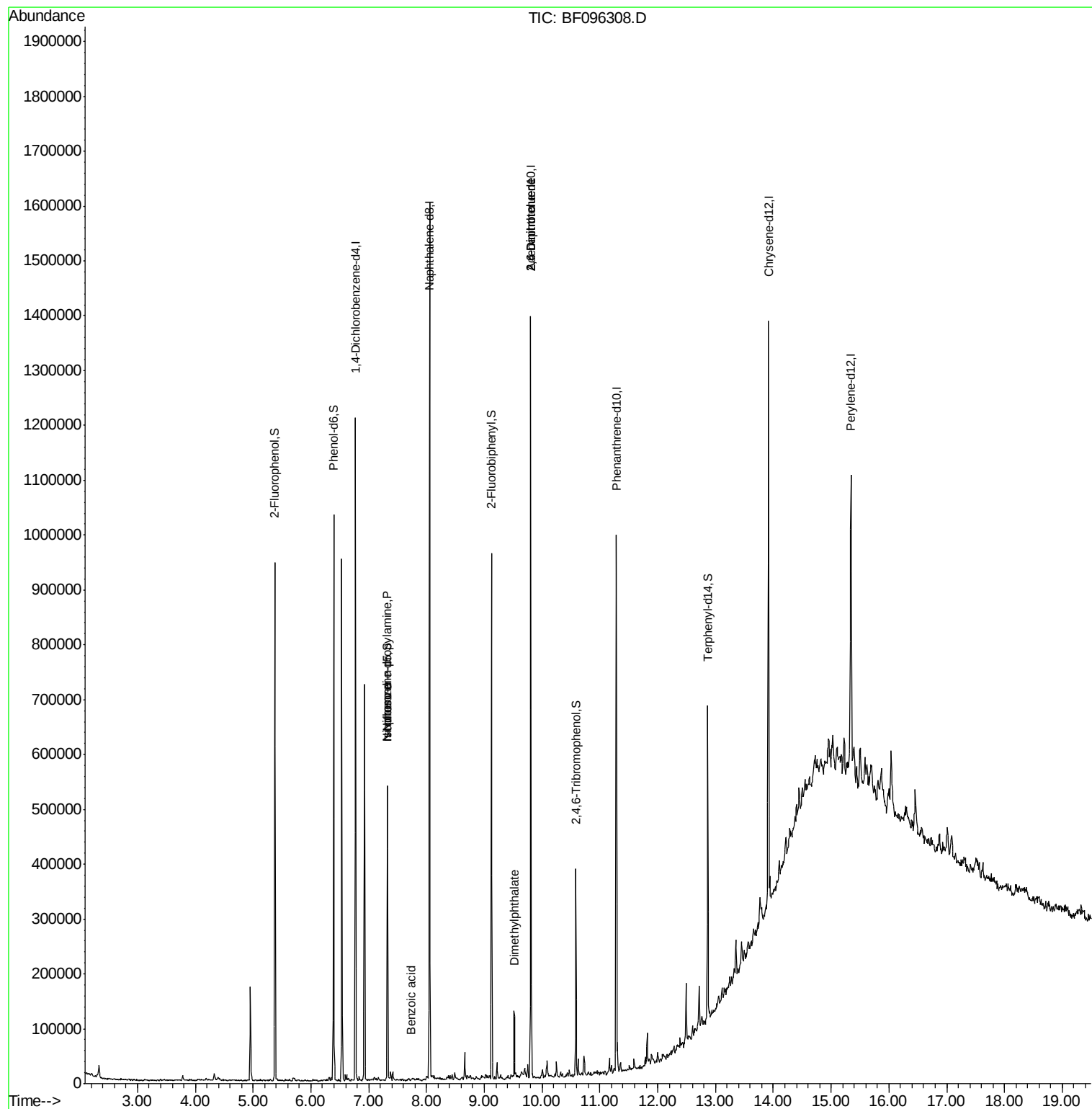
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	489	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	18245	2.12 ng	#	88
25) Isophorone	7.32	82	146117	6.68 ng	#	67
32) Benzoic acid	7.73	122	300	8.82 ng	#	40
49) Dimethylphthalate	9.52	163	45272	2.60 ng	#	97
50) 2,6-Dinitrotoluene	9.80	165	30301	8.36 ng	#	33
56) 2,4-Dinitrotoluene	9.80	165	30301	6.63 ng	#	33
57) Fluorene	10.35	166	1029	Below Cal	#	60
70) Phenanthrene	11.30	178	17603	Below Cal		93

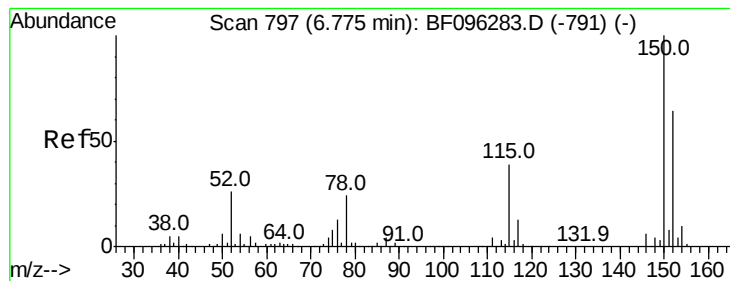
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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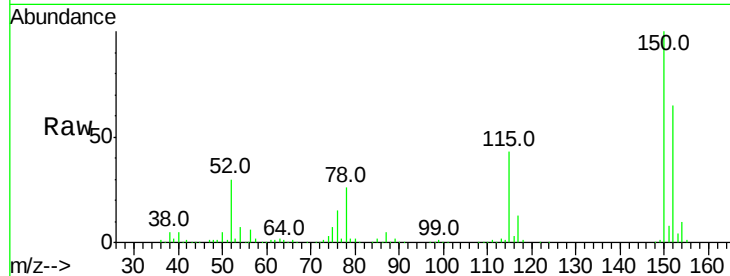


#1

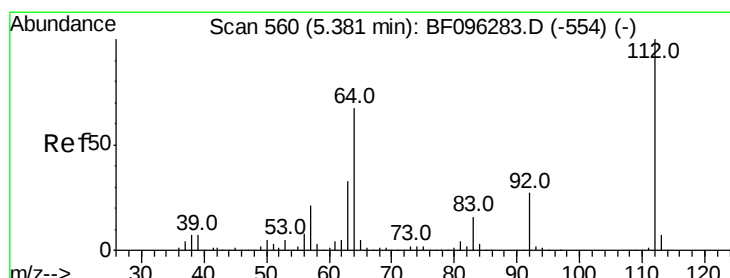
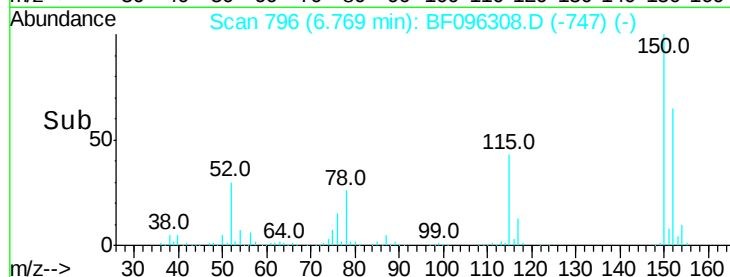
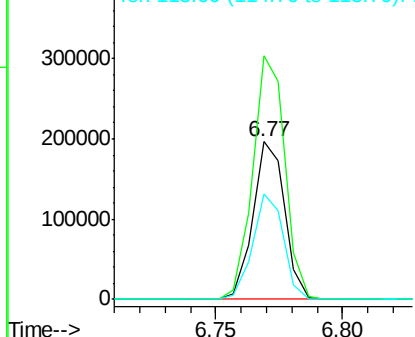
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096308.D
Acq: 29 Jun 2017 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170993
Ion Ratio Lower Upper
152 100
150 154.3 126.2 189.2
115 66.8 52.2 78.2



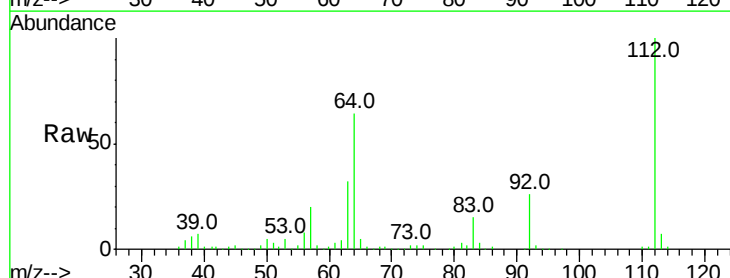
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



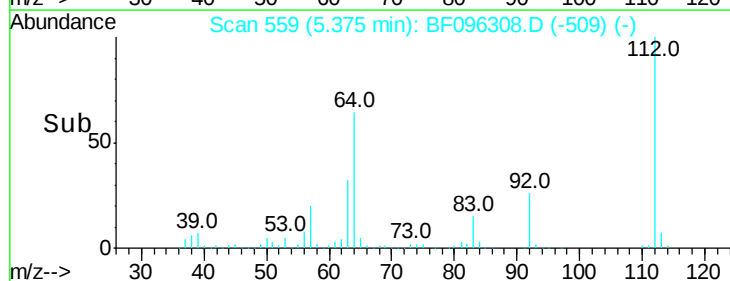
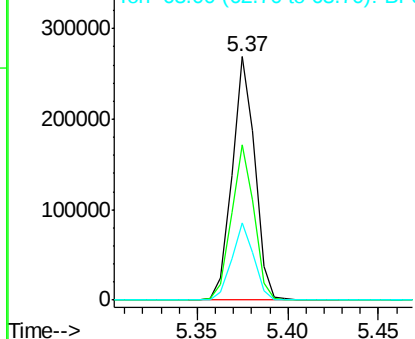
#5

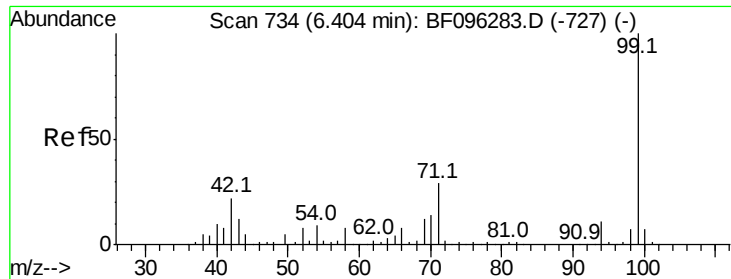
2-Fluorophenol
Concen: 19.73 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF096308.D
Acq: 29 Jun 2017 22:53

Tgt Ion:112 Resp: 234203
Ion Ratio Lower Upper
112 100
64 63.6 46.0 69.0
63 31.7 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: 19.80 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampled :

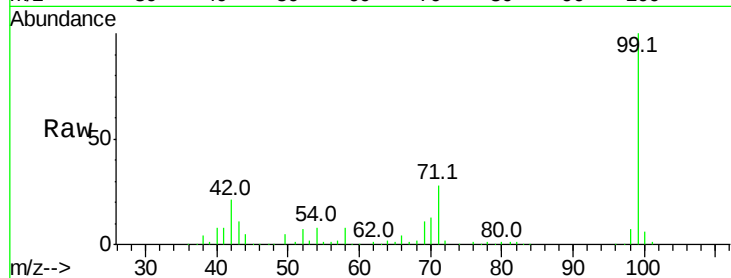
Tot Ion: 99 Resp: 284517

Ion Ratio Lower Upper

99 100

42 21.1 13.5 20.3#

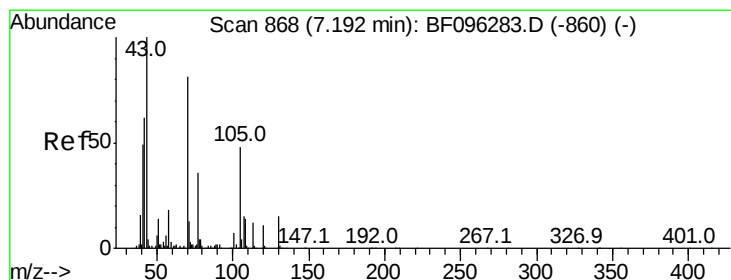
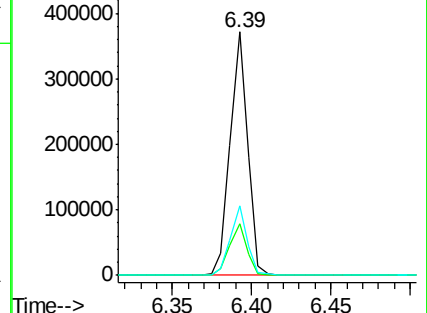
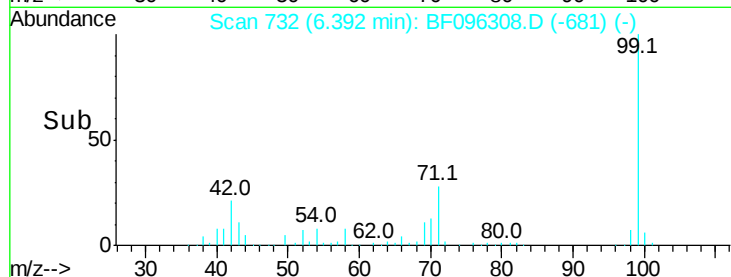
71 28.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.12 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.14 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Tgt Ion: 70 Resp: 18245

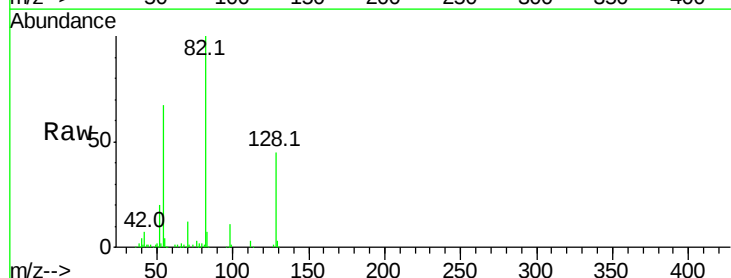
Ion Ratio Lower Upper

70 100

42 58.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

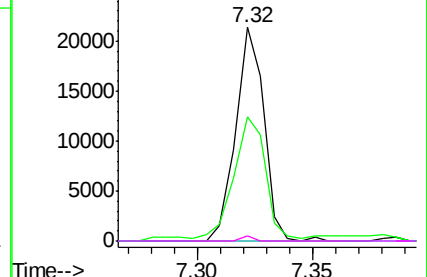
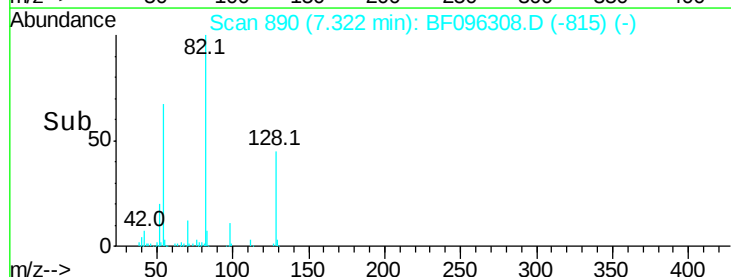


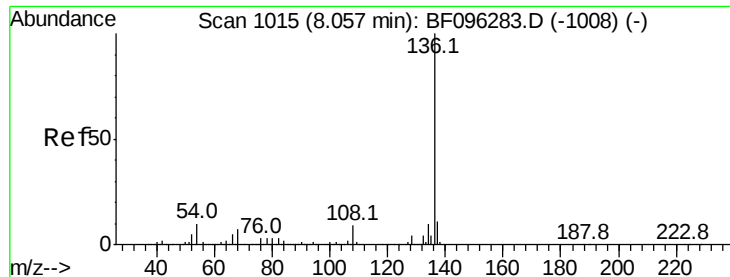
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 666655

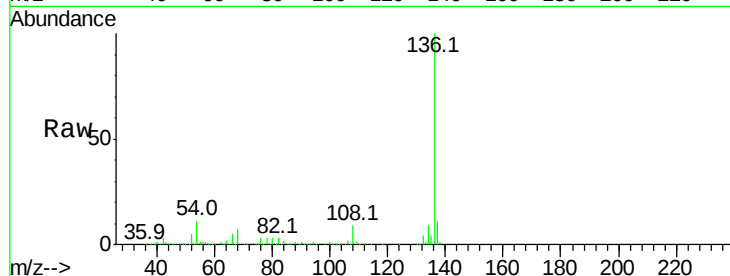
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 11.1 4.9 7.3#

68 7.3 4.1 6.1#

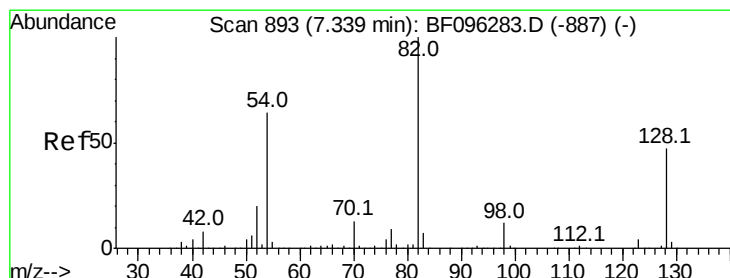
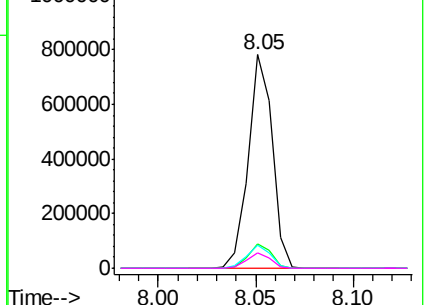
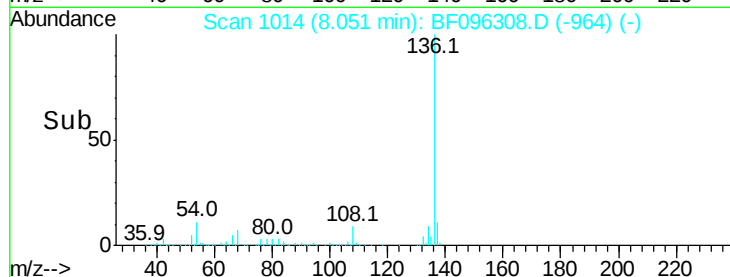


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.17 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.04 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

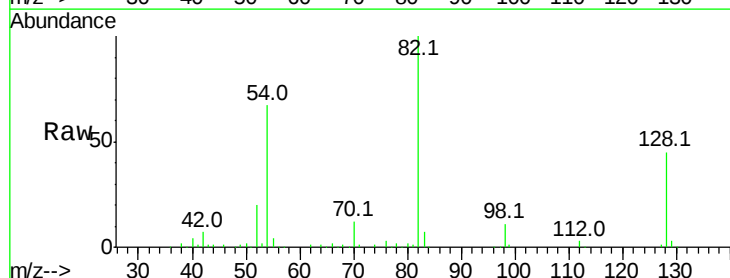
Tgt Ion: 82 Resp: 146083

Ion Ratio Lower Upper

82 100

128 44.6 34.0 51.0

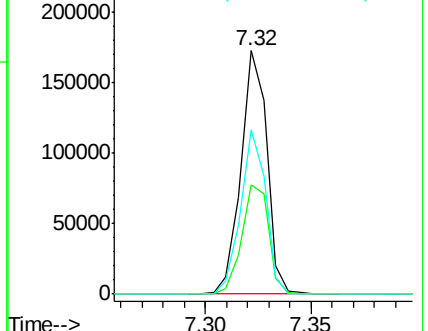
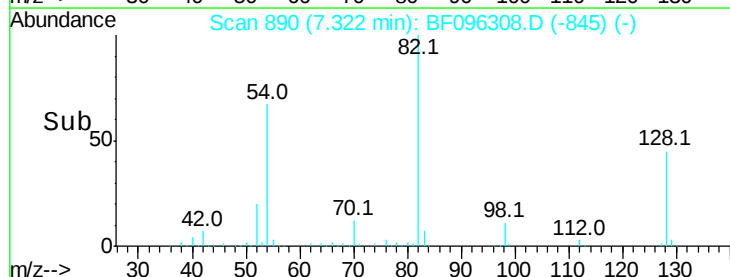
54 67.2 42.2 63.2#

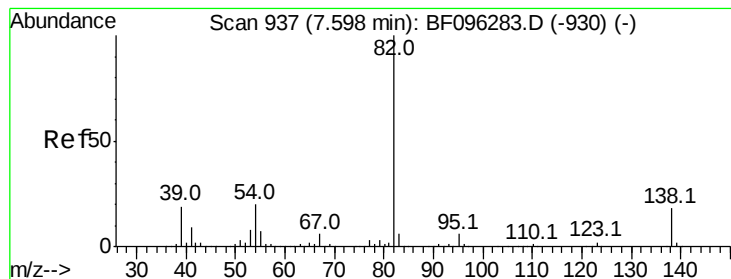


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.68 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampled :

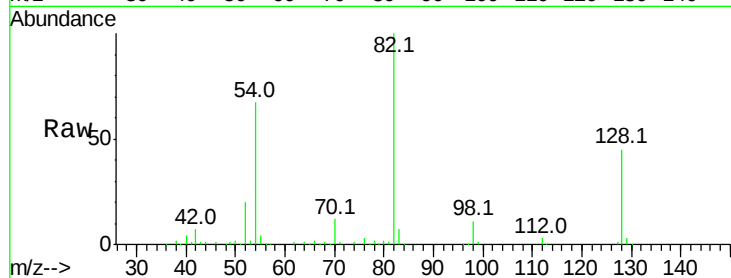
Tot Ion: 82 Resp: 146117

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

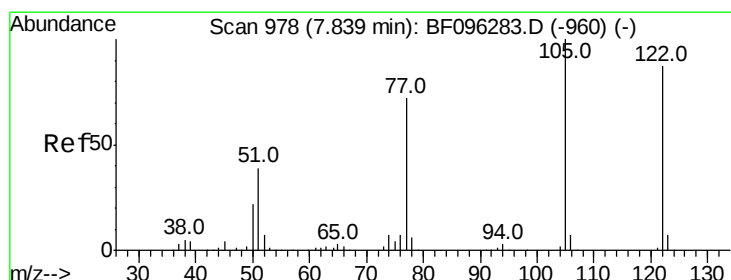
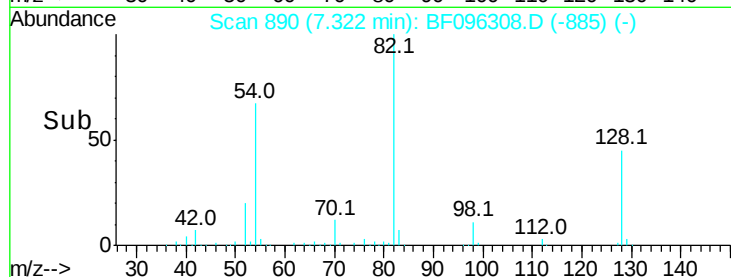
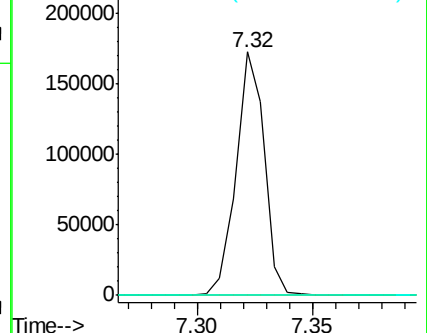
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 8.82 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

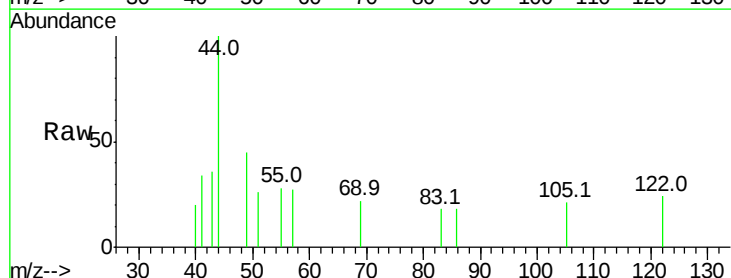
Tgt Ion:122 Resp: 300

Ion Ratio Lower Upper

122 100

105 88.4 103.3 143.3#

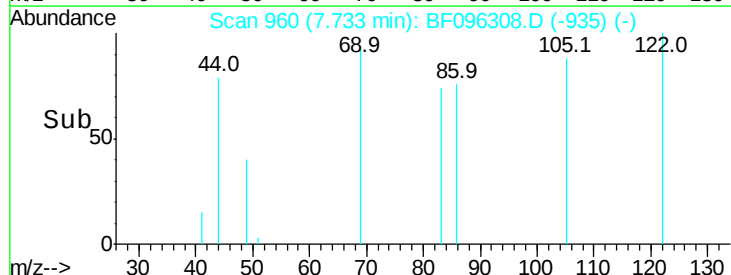
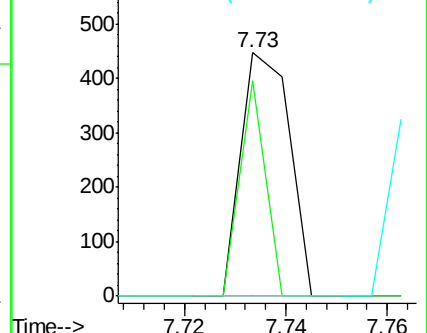
77 0.0 73.7 113.7#

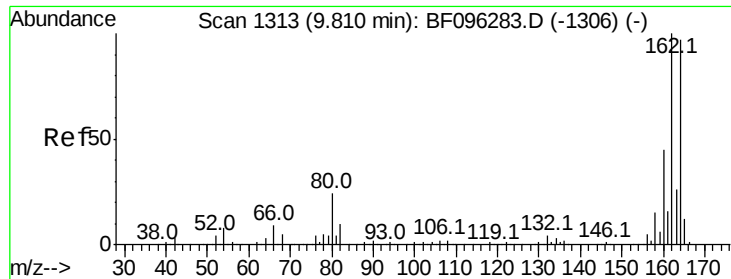


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

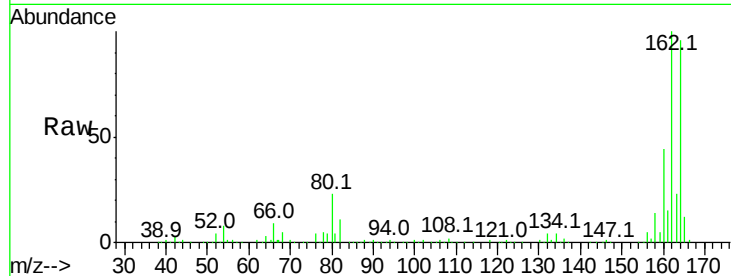




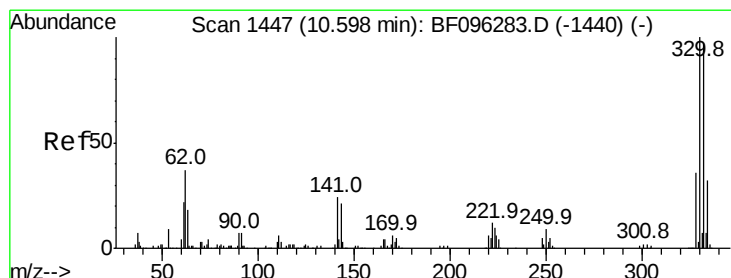
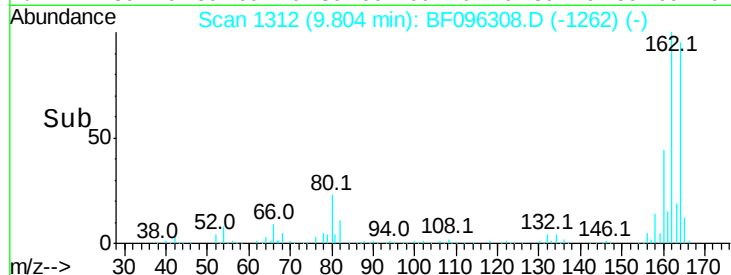
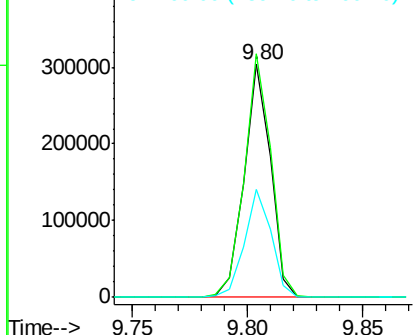
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096308.D
Acq: 29 Jun 2017 22:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 243522
Ion Ratio Lower Upper
164 100
162 104.4 82.6 123.8
160 46.3 36.2 54.2

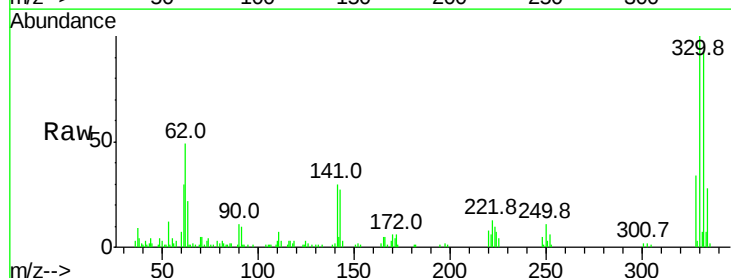


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

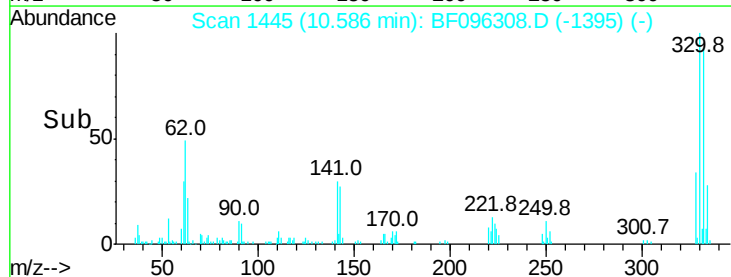
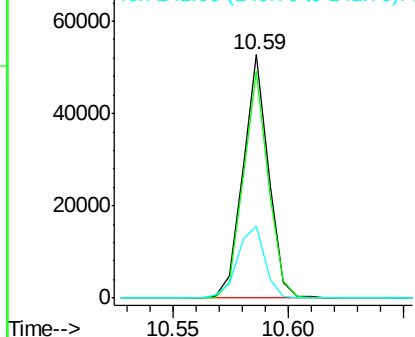


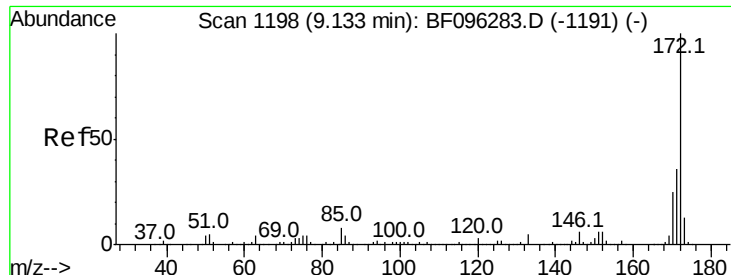
#41
2,4,6-Tribromophenol
Concen: 21.23 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF096308.D
Acq: 29 Jun 2017 22:53

Tgt Ion:330 Resp: 40689
Ion Ratio Lower Upper
330 100
332 91.2 76.6 115.0
141 31.7 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

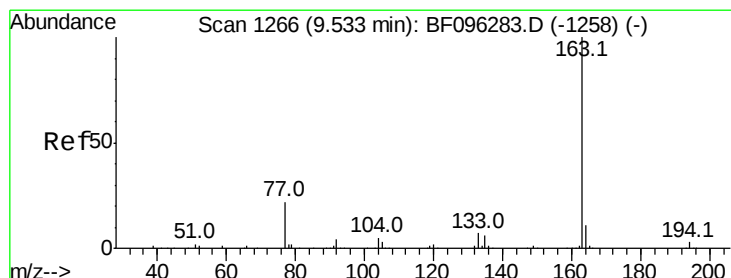
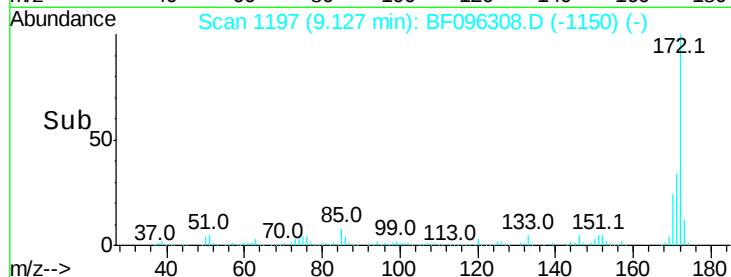
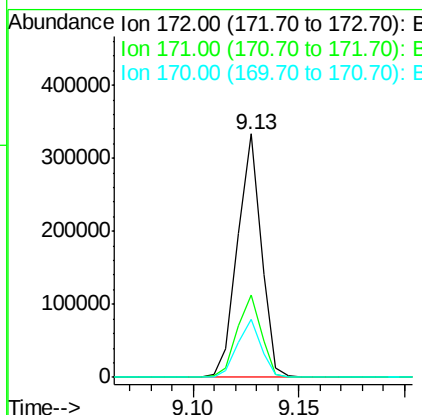
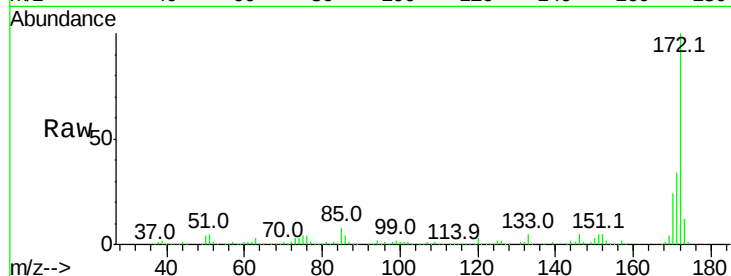




#44
 2-Fluorobiphenyl
 Concen: 19.39 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF096308.D
 Acq: 29 Jun 2017 22:53

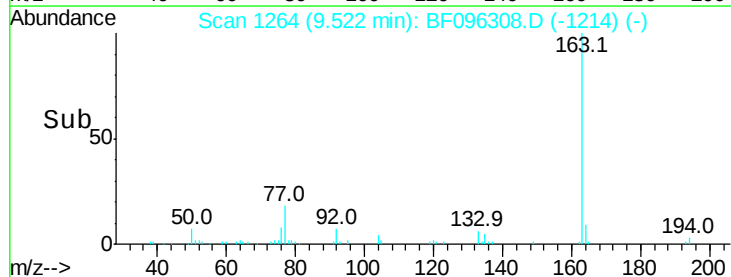
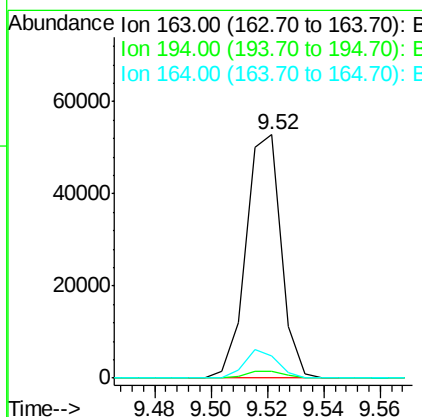
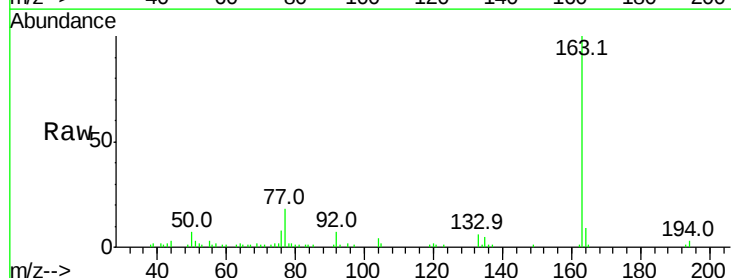
Instrument :
 BNA_F
 ClientSampleId :

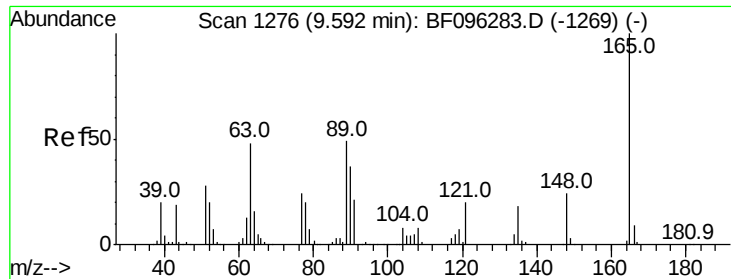
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.6	44.4
170	23.6	19.8	29.8



#49
 Dimethylphthalate
 Concen: 2.60 ng
 RT: 9.52 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: BF096308.D
 Acq: 29 Jun 2017 22:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.6	2.6	4.0#
164	9.3	8.4	12.6





#50

2,6-Dinitrotoluene

Concen: 8.36 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.19 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

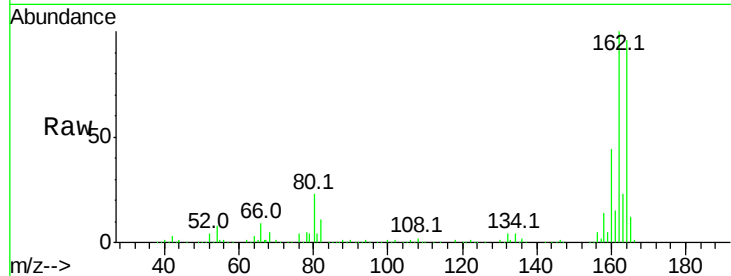
Tot Ion:165 Resp: 30301

Ion Ratio Lower Upper

165 100

63 1.0 34.3 51.5#

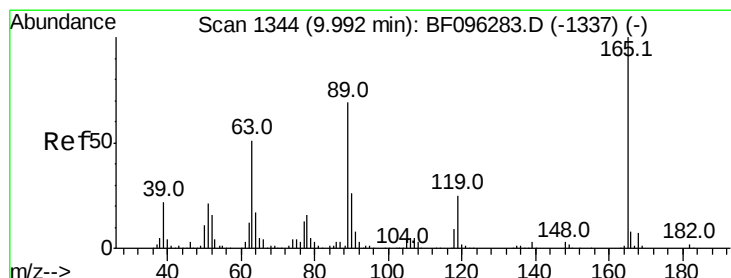
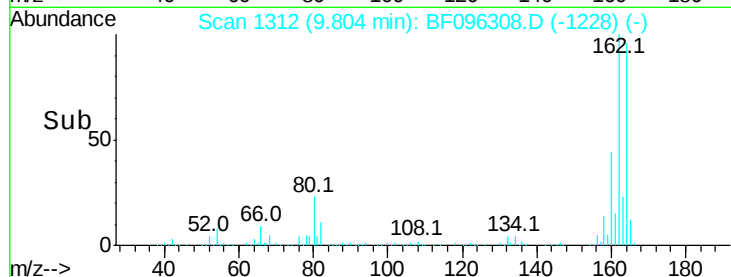
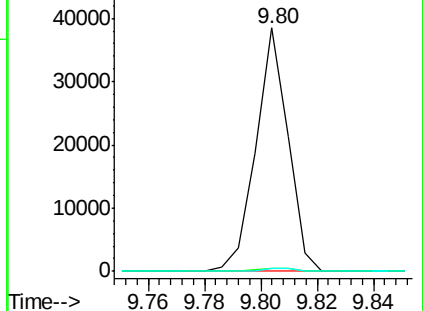
89 1.2 37.1 55.7#



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: 6.63 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.21 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Tgt Ion:165 Resp: 30301

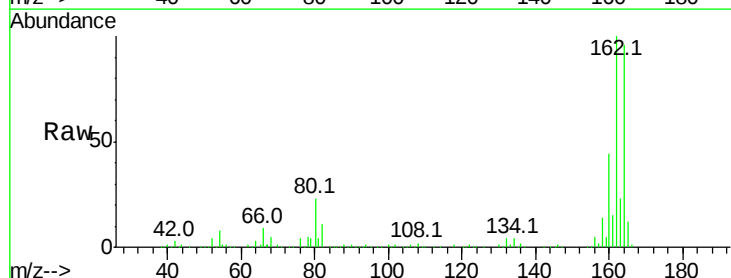
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#

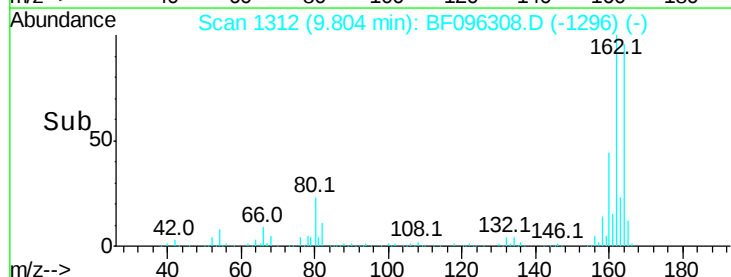
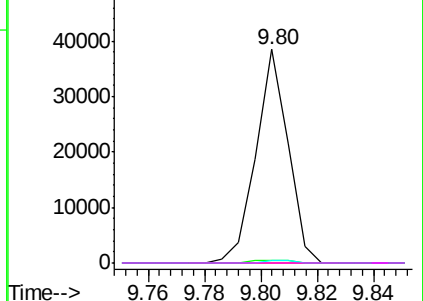


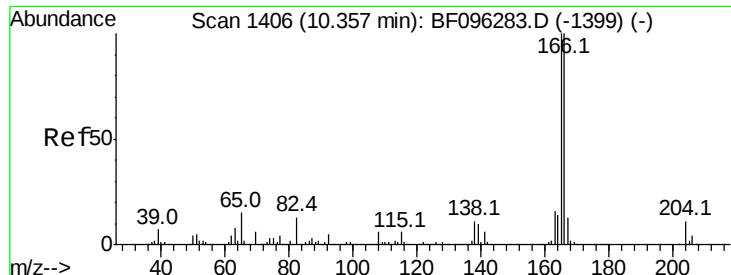
Abundance Ion 165.00 (164.70 to 165.70): E

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

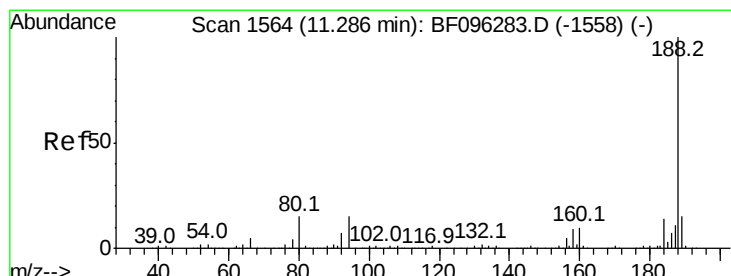
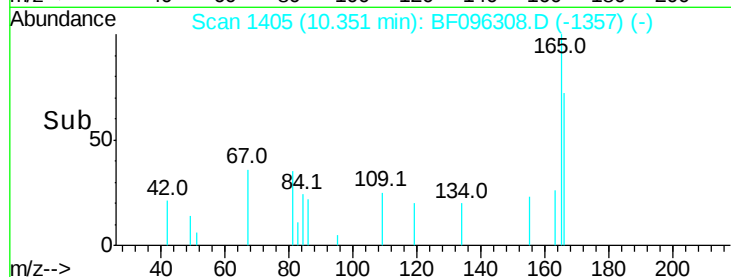
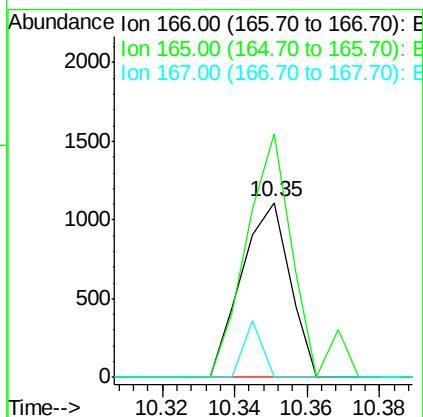
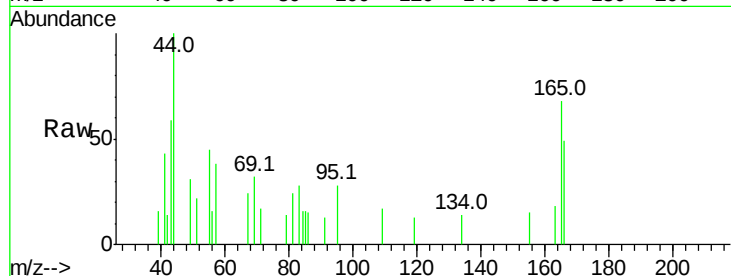




#57
Fluorene
 Concen: Below Cal
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF096308.D
 Acq: 29 Jun 2017 22:53

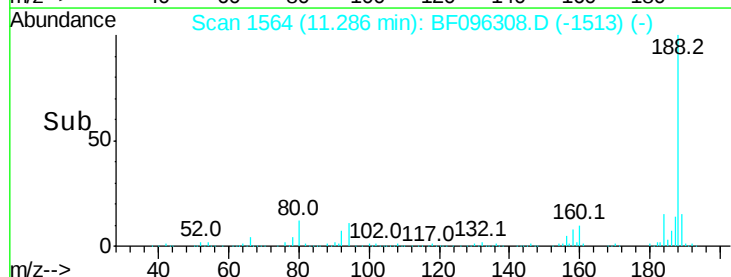
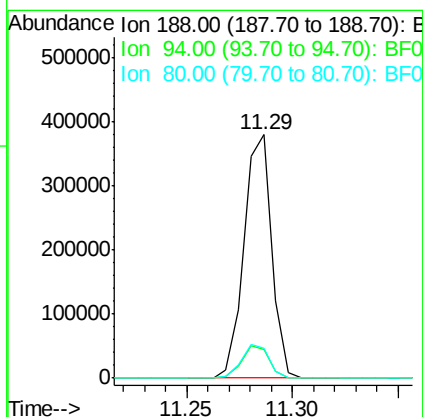
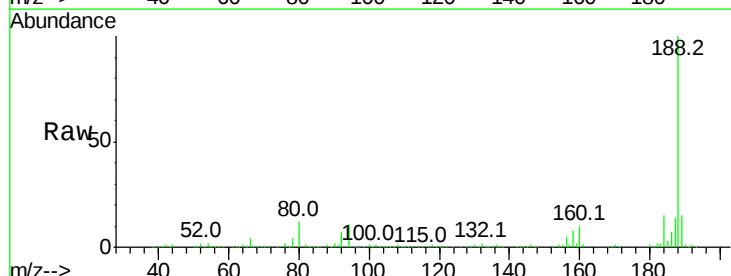
Instrument :
 BNA_F
 ClientSampleId :

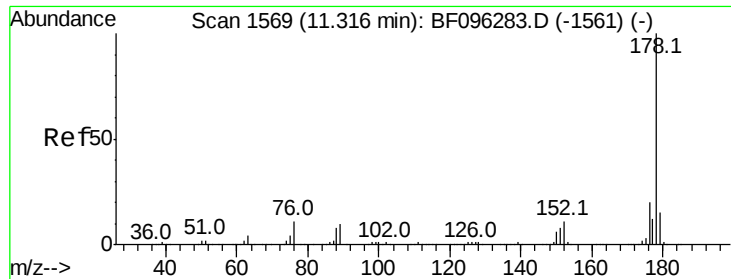
Tot Ion:166 Resp: 1029
 Ion Ratio Lower Upper
 166 100
 165 139.4 78.8 118.2#
 167 0.0 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BF096308.D
 Acq: 29 Jun 2017 22:53

Tgt Ion:188 Resp: 344476
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 12.2 10.2 15.2





#70

Phenanthrene

Concen: Below Cal

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

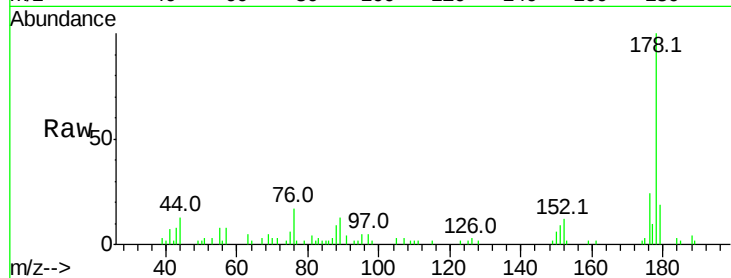
Tot Ion:178 Resp: 17603

Ion Ratio Lower Upper

178 100

176 23.7 16.2 24.4

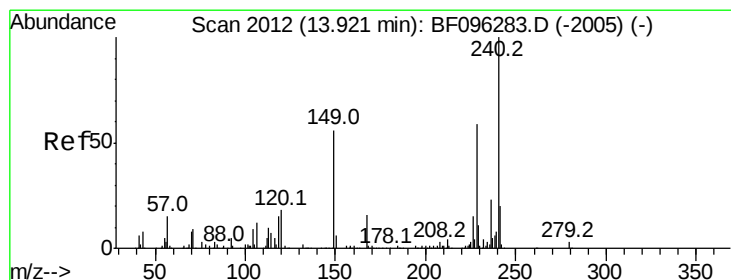
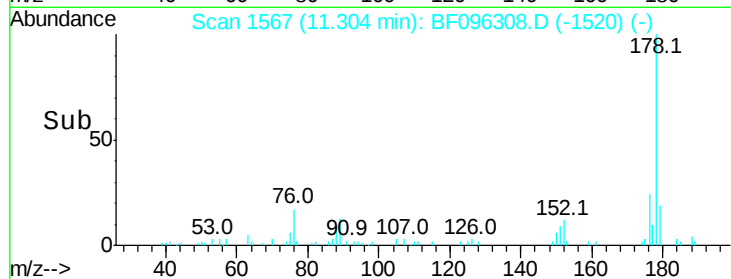
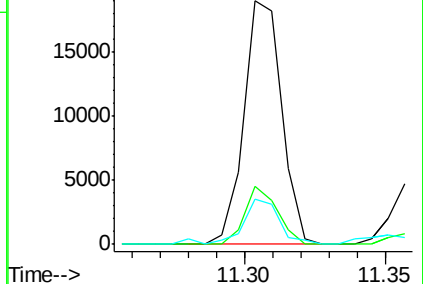
179 18.7 12.6 19.0



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

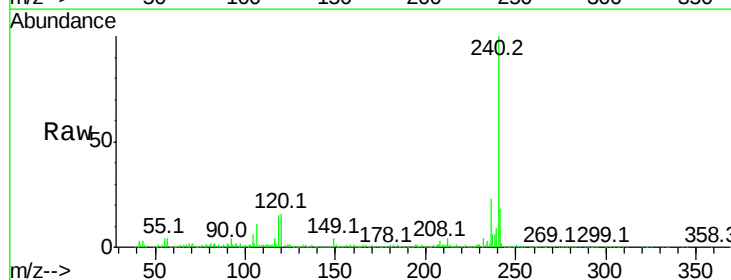
Tgt Ion:240 Resp: 331814

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

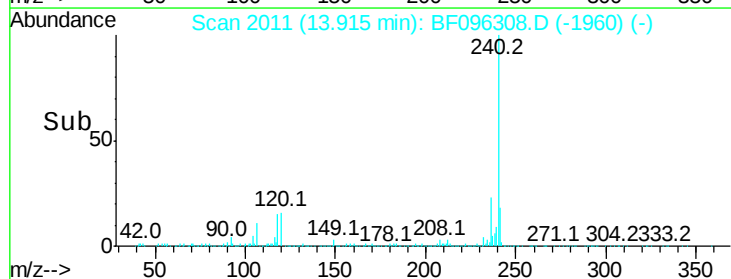
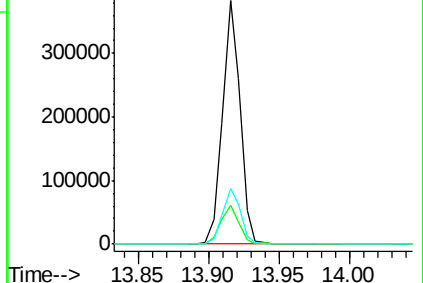
236 22.9 20.5 30.7

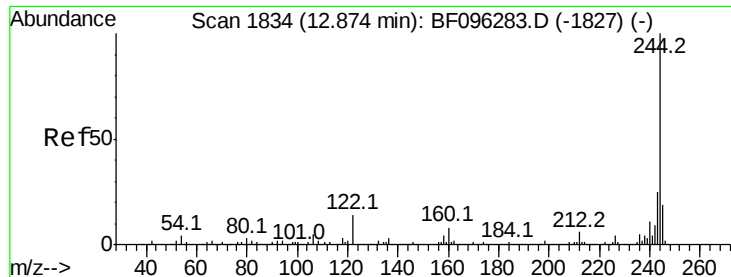


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 12.81 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

Instrument :

BNA_F

ClientSampleId :

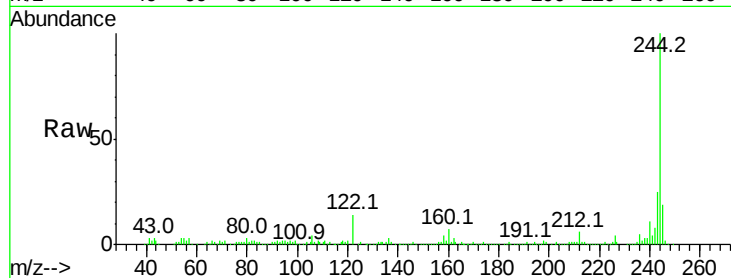
Tot Ion:244 Resp: 170387

Ion Ratio Lower Upper

244 100

212 5.9 6.0 9.0#

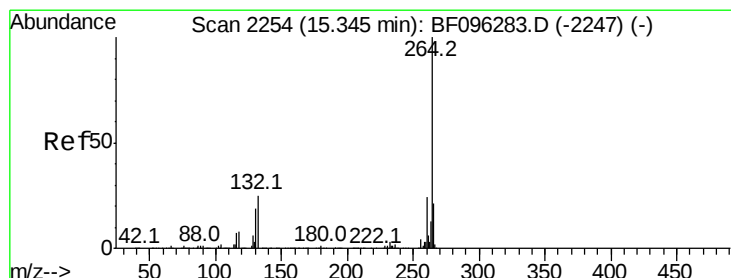
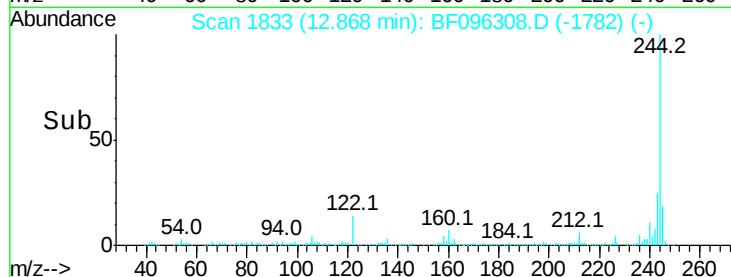
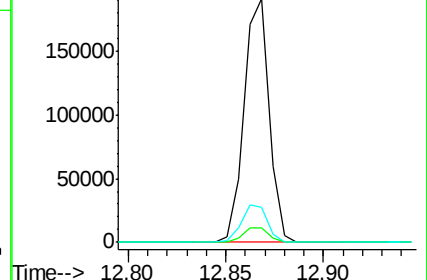
122 14.3 10.3 15.5



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: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF096308.D

Acq: 29 Jun 2017 22:53

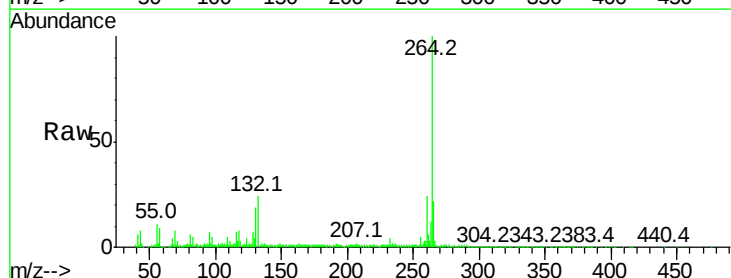
Tgt Ion:264 Resp: 241128

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.3 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

