

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096348.D
 Acq On : 30 Jun 2017 20:48
 Operator : SJ/MA
 Sample : I3959-07 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 23:16:56 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

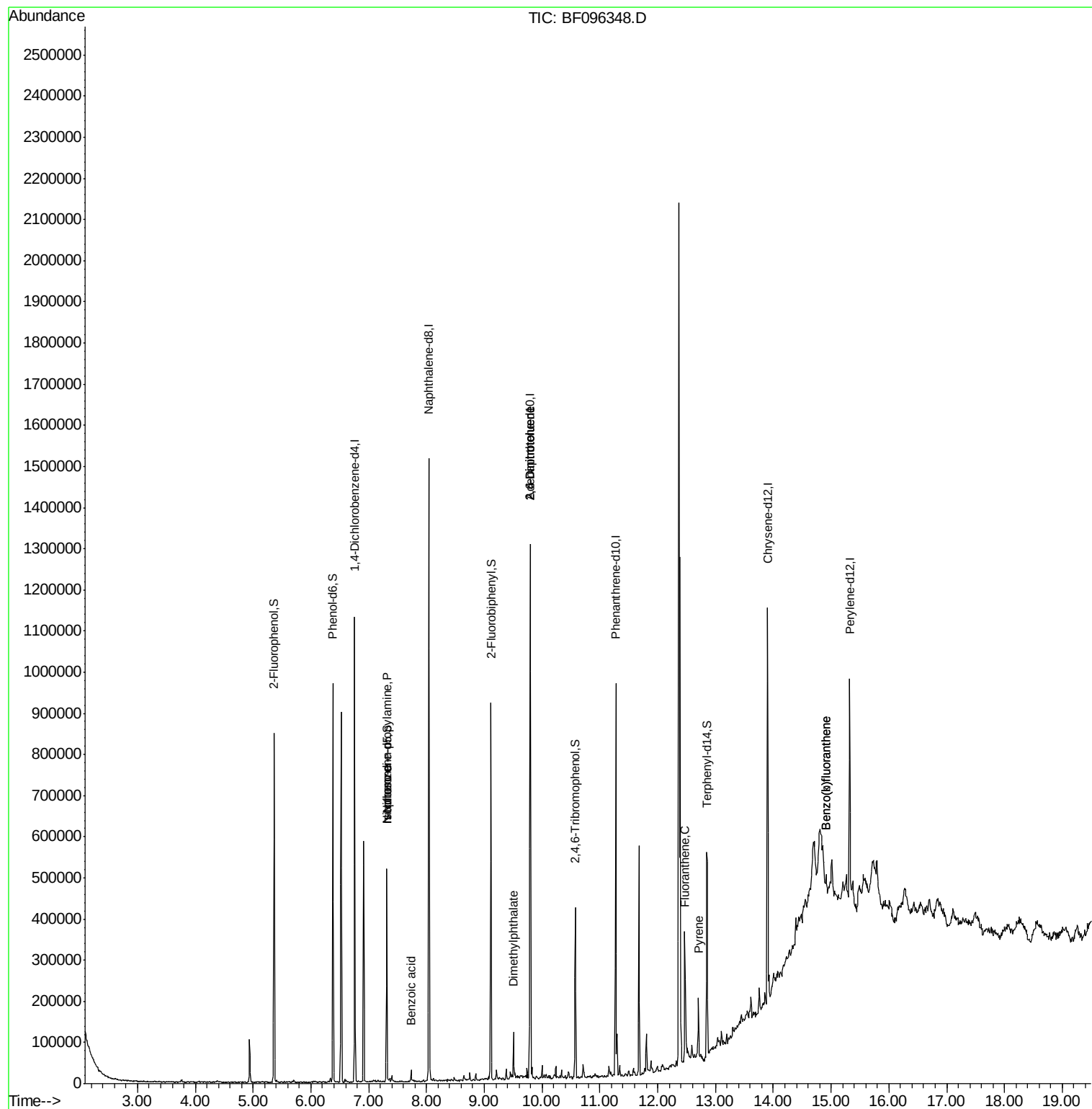
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	155330	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	636594	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	238811	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	326997	20.00	ng	-0.01
75) Chrysene-d12	13.90	240	315549	20.00	ng	-0.01
86) Perylene-d12	15.32	264	245376	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	210066	19.48	ng	-0.02
7) Phenol-d6	6.38	99	265043	20.30	ng	-0.01
23) Nitrobenzene-d5	7.31	82	138798	15.09	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	42955	22.86	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	247566	18.98	ng	-0.03
78) Terphenyl-d14	12.86	244	150107	11.87	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.30	77	206	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.31	70	18028	2.30 ng	#	86
25) Isophorone	7.31	82	138797	6.65 ng	#	67
32) Benzoic acid	7.73	122	6110	9.53 ng		97
49) Dimethylphthalate	9.51	163	44409	2.60 ng	#	97
50) 2,6-Dinitrotoluene	9.79	165	30119	8.47 ng	#	33
56) 2,4-Dinitrotoluene	9.79	165	30119	6.72 ng	#	33
57) Fluorene	10.34	166	5242	Below Cal	#	93
70) Phenanthrene	11.29	178	36869	Below Cal		98
74) Fluoranthene	12.48	202	56429	3.11 ng		96
77) Pyrene	12.71	202	52653	2.03 ng		94
87) Benzo(b)fluoranthene	14.92	252	37738	2.34 ng	#	69
88) Benzo(k)fluoranthene	14.92	252	37738	2.56 ng	#	70

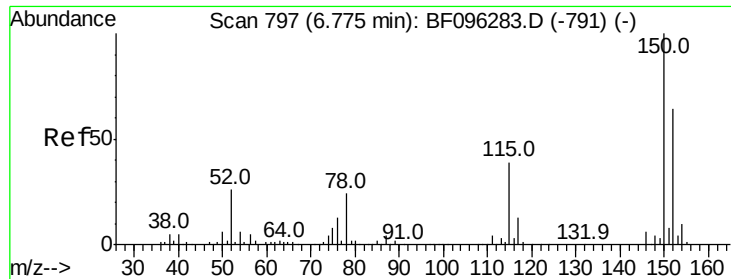
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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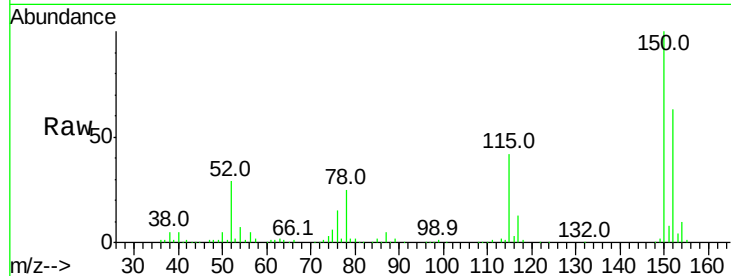


#1

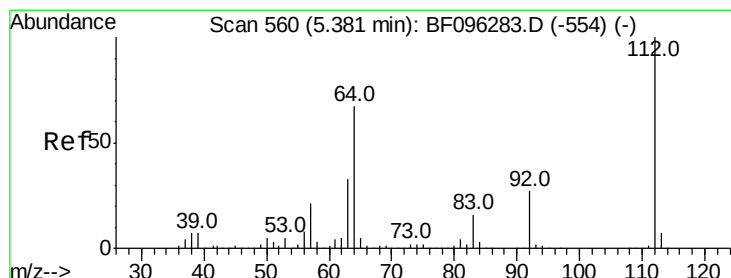
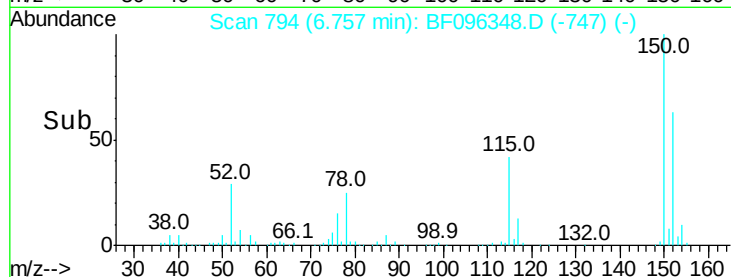
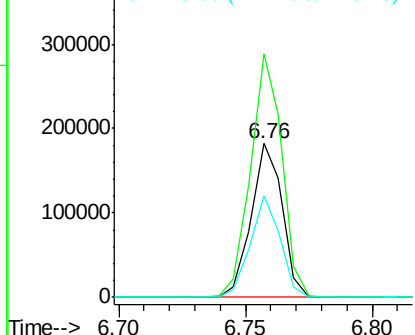
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096348.D
Acq: 30 Jun 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	65.8	52.2	78.2



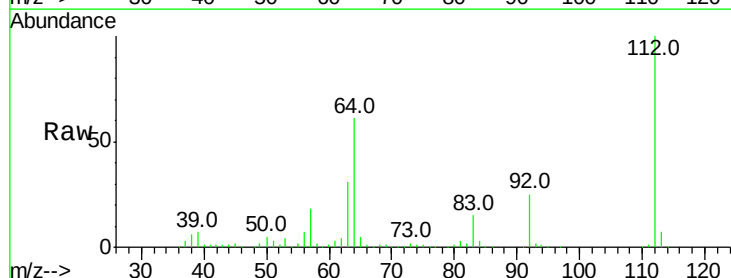
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



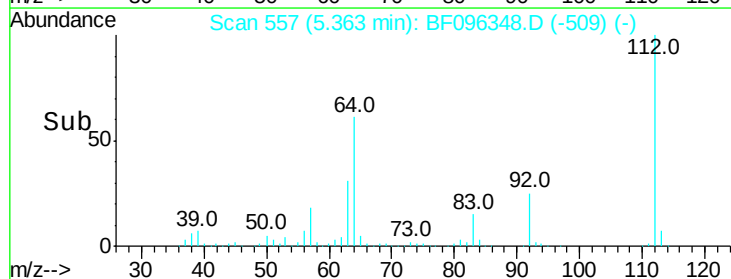
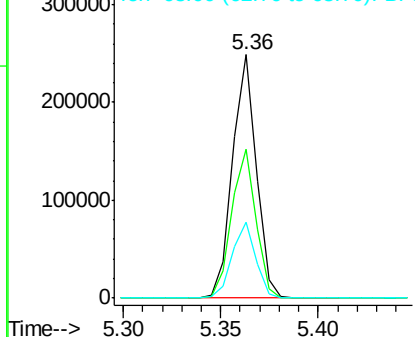
#5

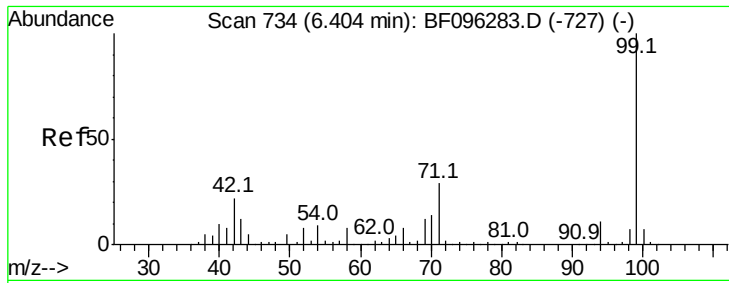
2-Fluorophenol
Concen: 19.48 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF096348.D
Acq: 30 Jun 2017 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.0	69.0
63	31.0	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: 20.30 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

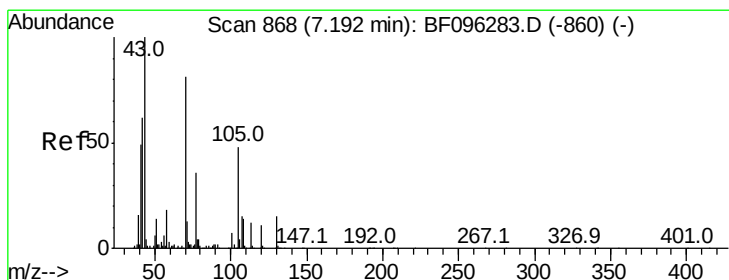
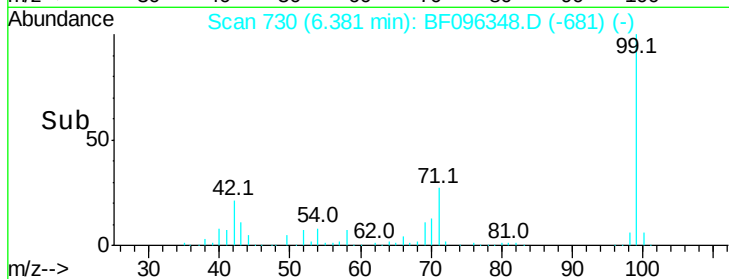
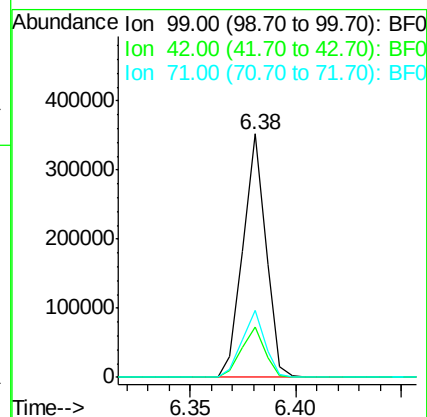
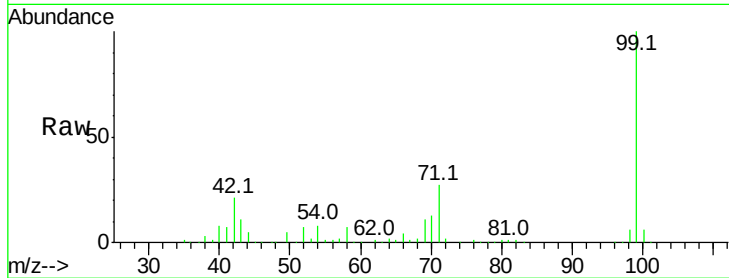
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 265043

Ion	Ratio	Lower	Upper
99	100		
42	20.6	13.5	20.3#
71	27.4	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.30 ng

RT: 7.31 min Scan# 888

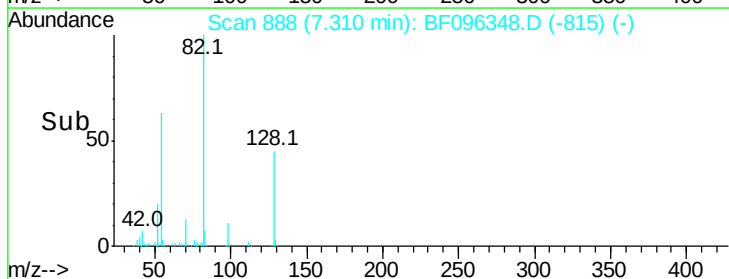
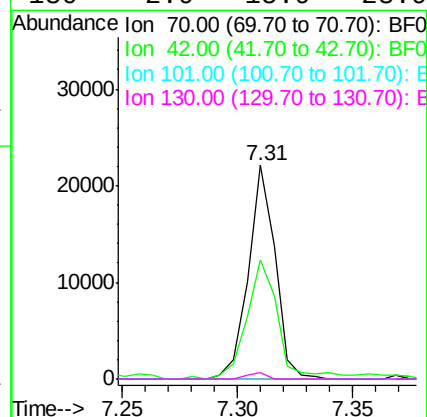
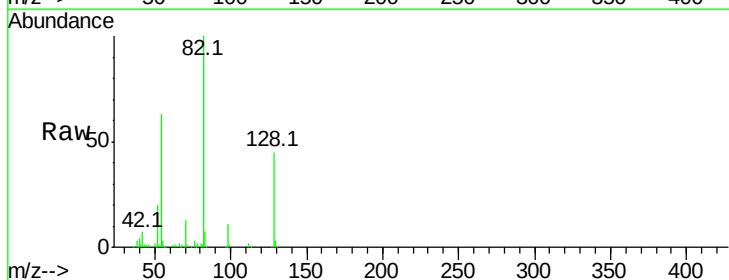
Delta R.T. 0.13 min

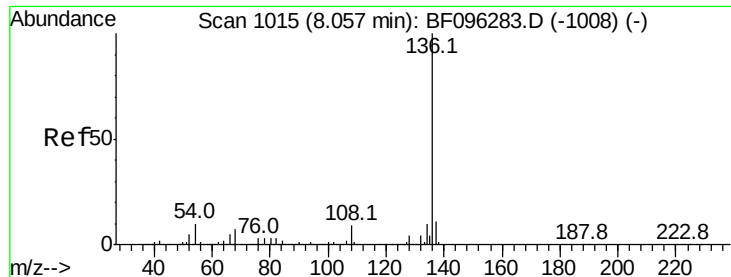
Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Tgt Ion: 70 Resp: 18028

Ion	Ratio	Lower	Upper
70	100		
42	56.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.9	15.9	23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 636594

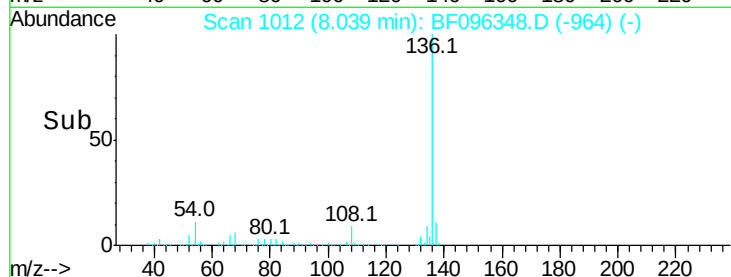
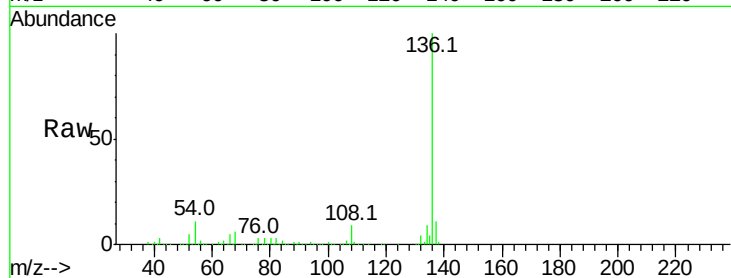
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 10.9 4.9 7.3#

68 6.5 4.1 6.1#

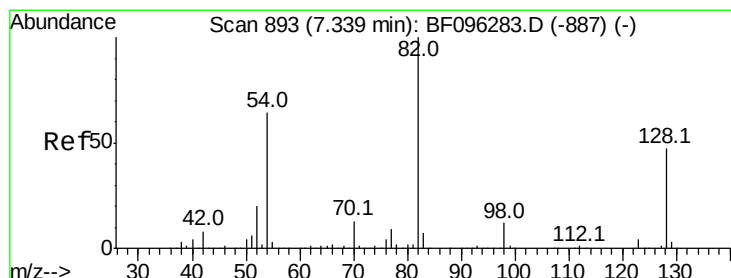
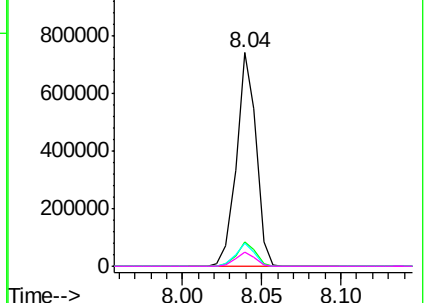


Abundance Ion 136.00 (135.70 to 136.70): E

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: 15.09 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.05 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

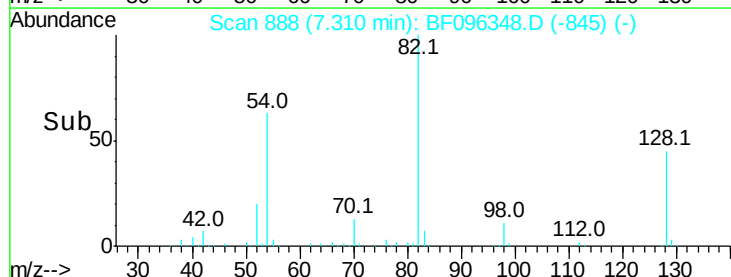
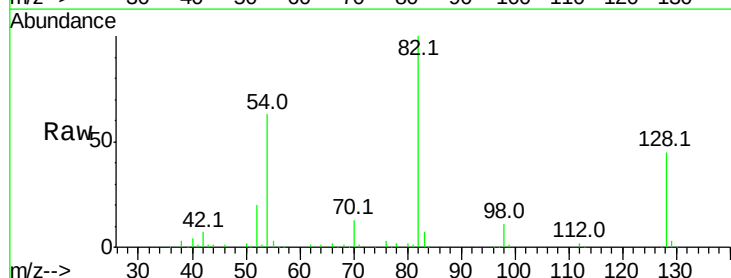
Tgt Ion: 82 Resp: 138798

Ion Ratio Lower Upper

82 100

128 44.6 34.0 51.0

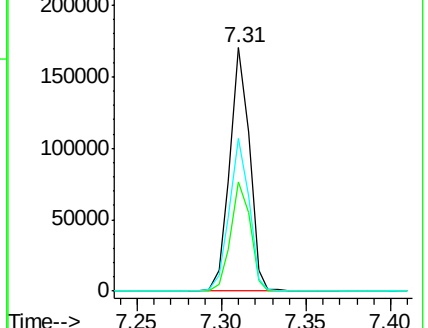
54 62.8 42.2 63.2

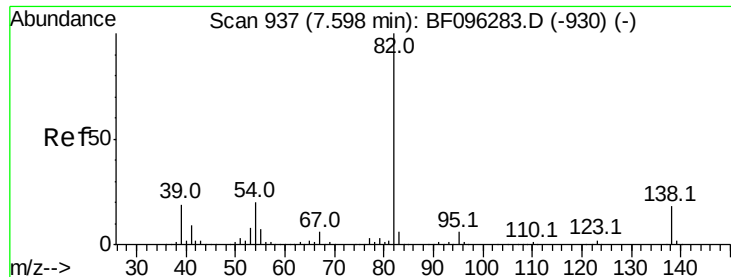


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 6.65 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampleId :

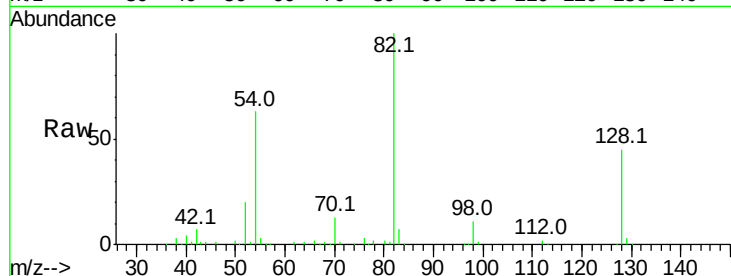
Tot Ion: 82 Resp: 138797

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

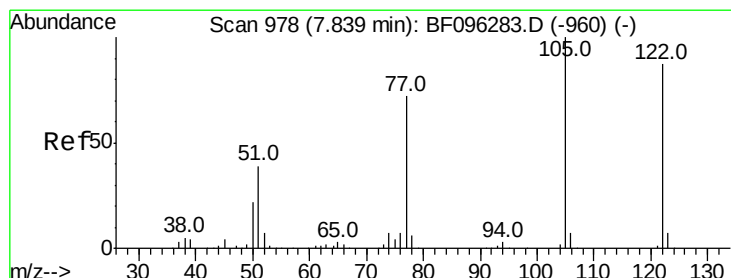
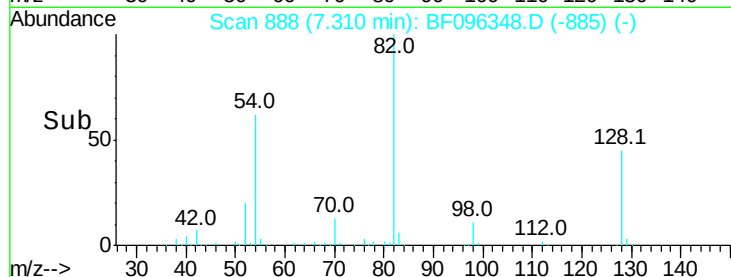
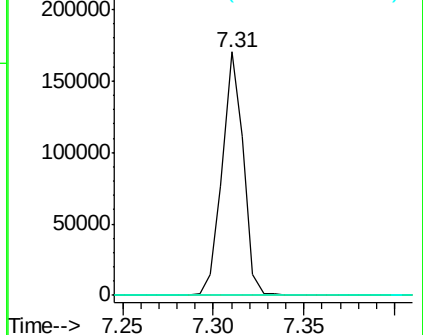
138 0.0 13.1 19.7#



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: 9.53 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

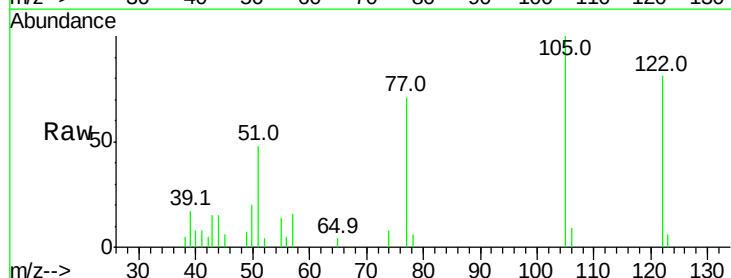
Tgt Ion:122 Resp: 6110

Ion Ratio Lower Upper

122 100

105 124.0 103.3 143.3

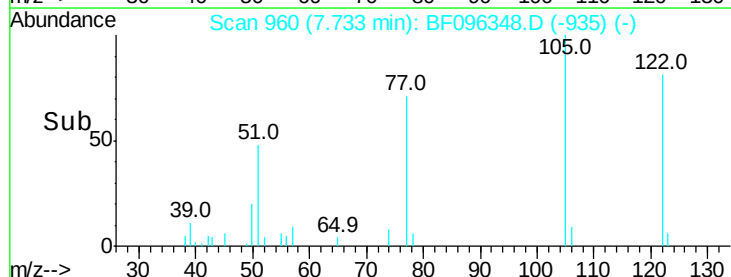
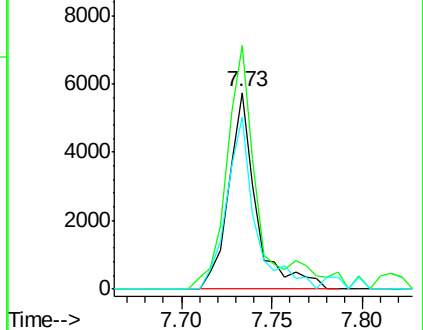
77 87.5 73.7 113.7

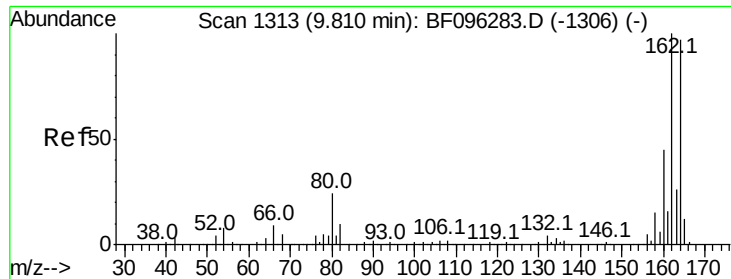


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

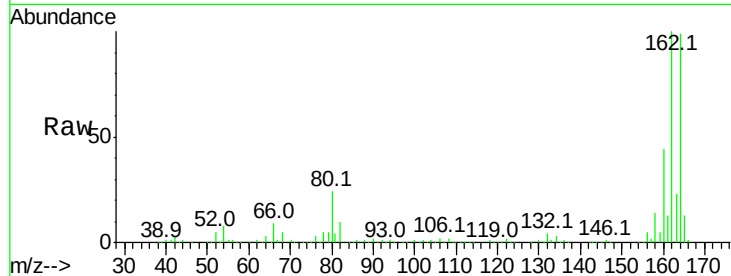




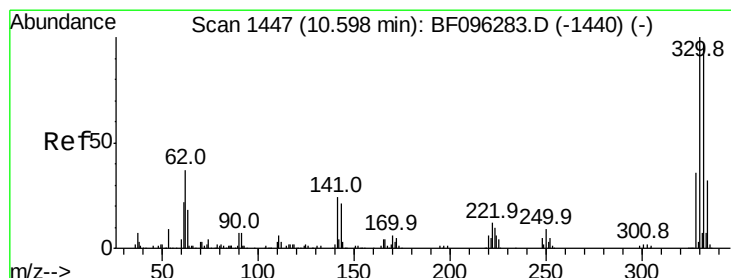
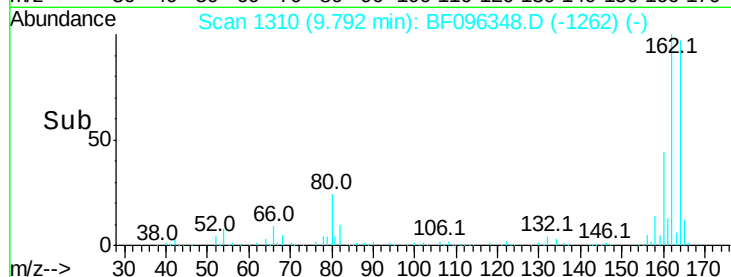
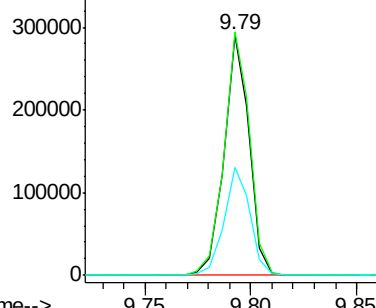
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 238811
 Ion Ratio Lower Upper
 164 100
 162 101.5 82.6 123.8
 160 44.8 36.2 54.2

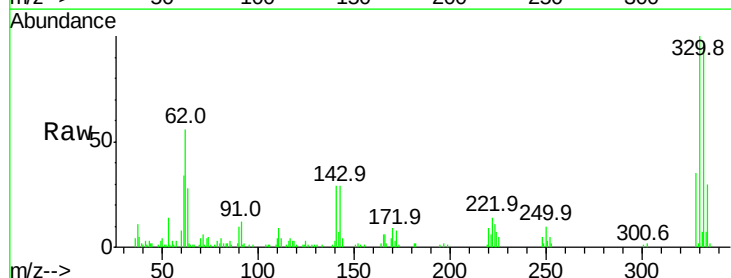


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

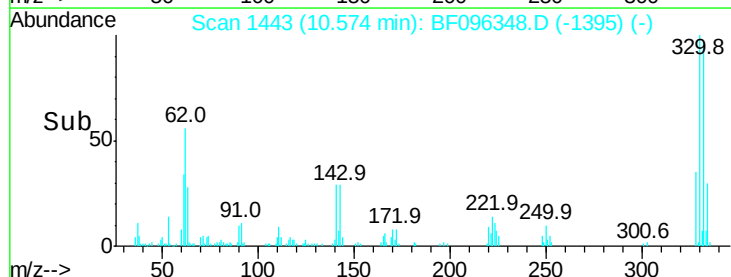
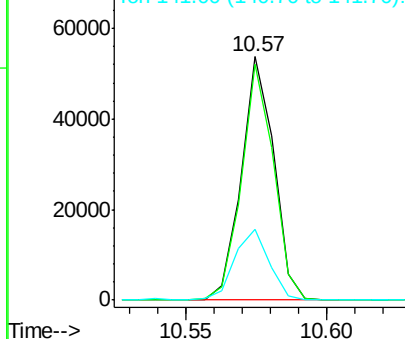


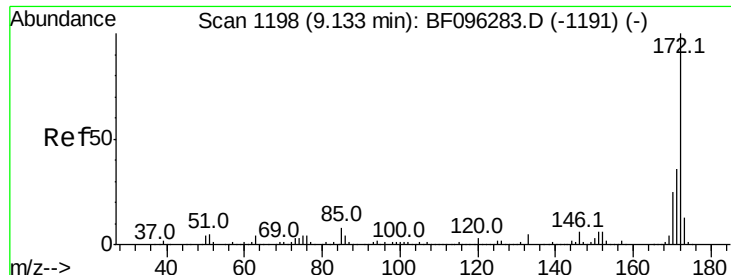
#41
 2,4,6-Tribromophenol
 Concen: 22.86 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

Tgt Ion:330 Resp: 42955
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 30.7 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

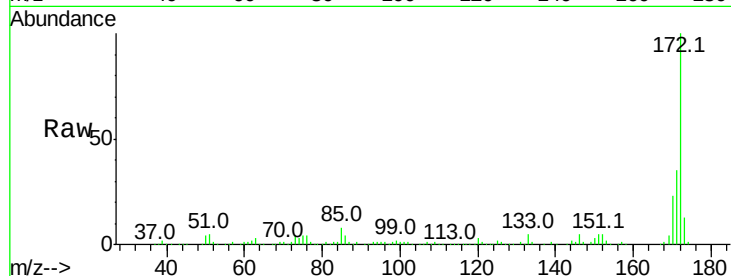




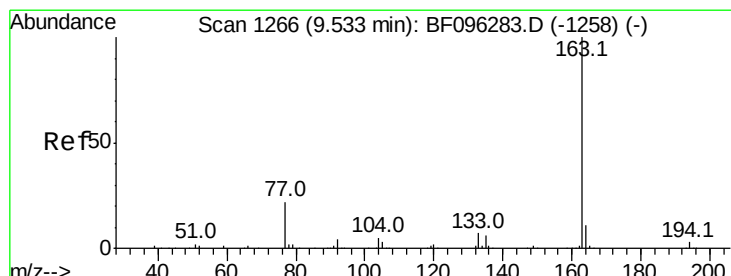
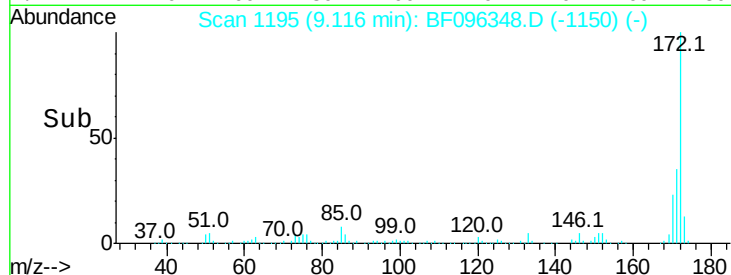
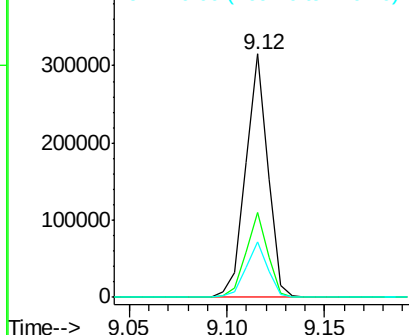
#44
2-Fluorobiphenyl
Concen: 18.98 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.03 min
Lab File: BF096348.D
Acq: 30 Jun 2017 20:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	22.7	19.8	29.8

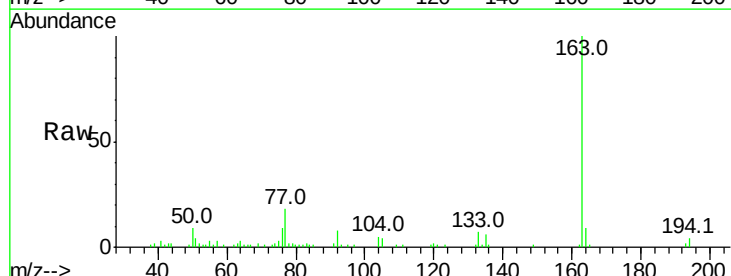


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

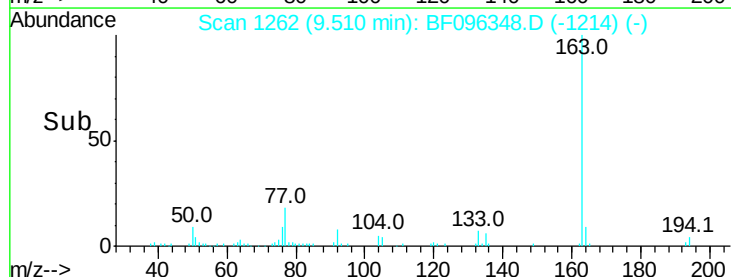
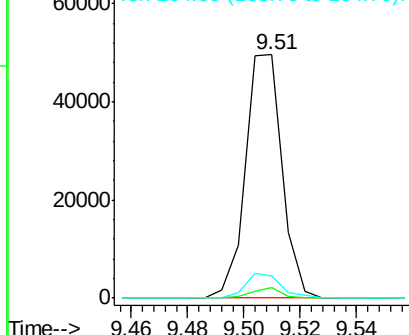


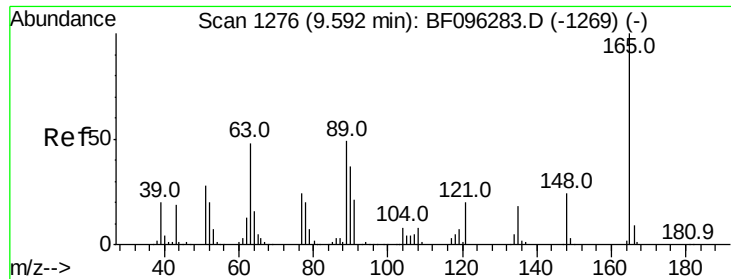
#49
Dimethylphthalate
Concen: 2.60 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096348.D
Acq: 30 Jun 2017 20:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.6	4.0#
164	9.1	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

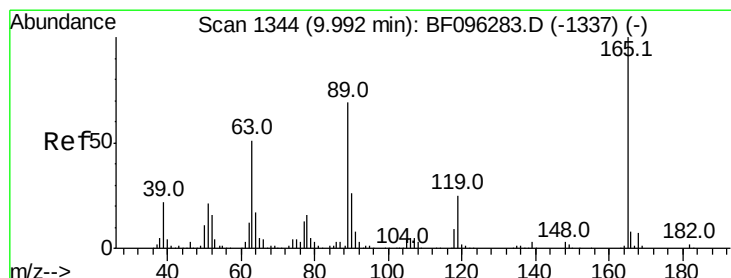
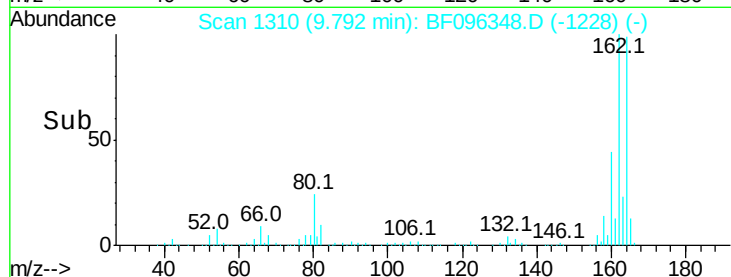
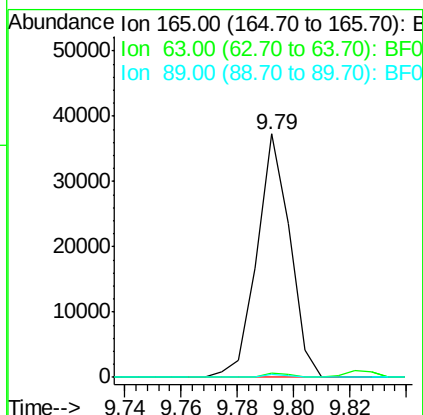
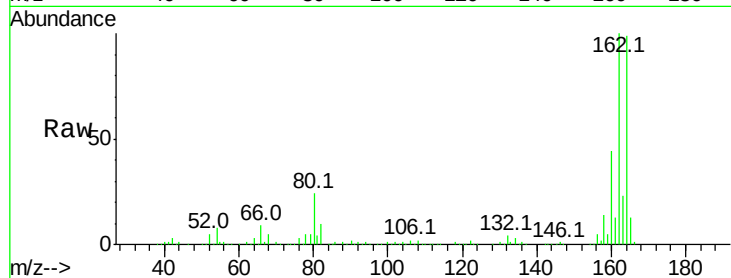




#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. 0.18 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

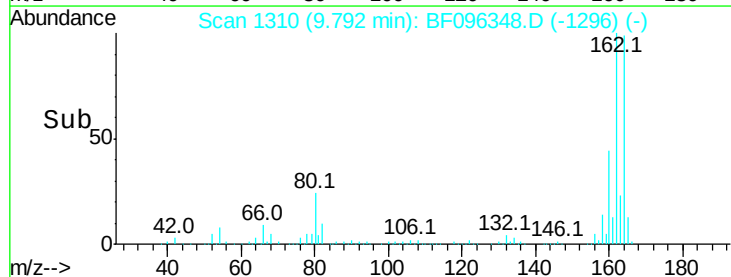
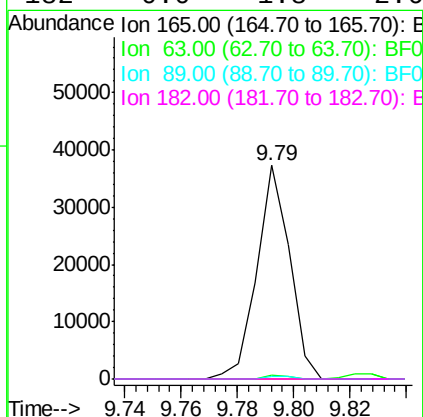
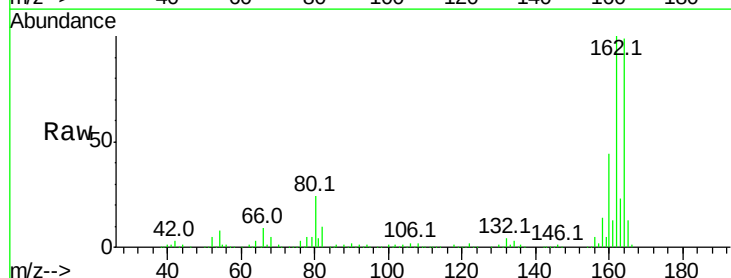
Instrument :
 BNA_F
 ClientSampleId :

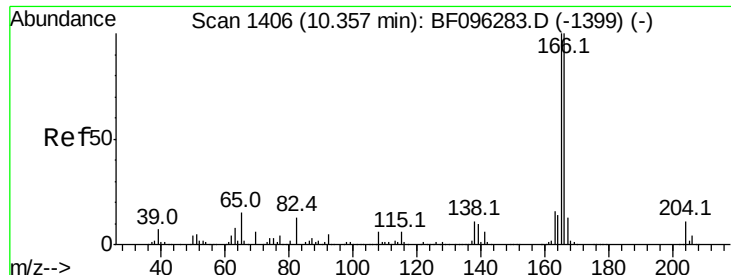
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.0	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.72 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.22 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	1.0	46.4	69.6#
182	0.0	1.8	2.6#

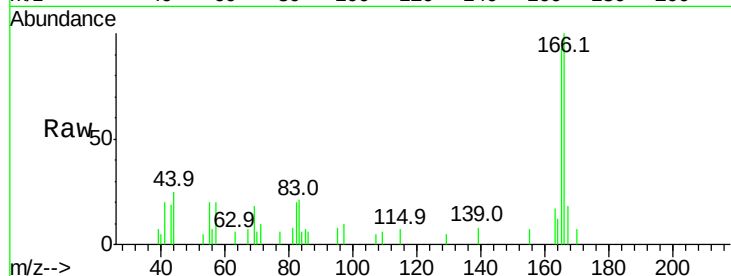




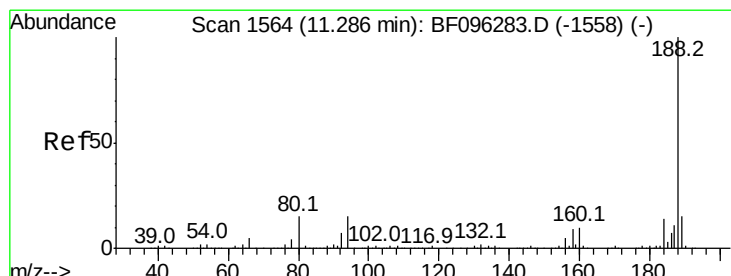
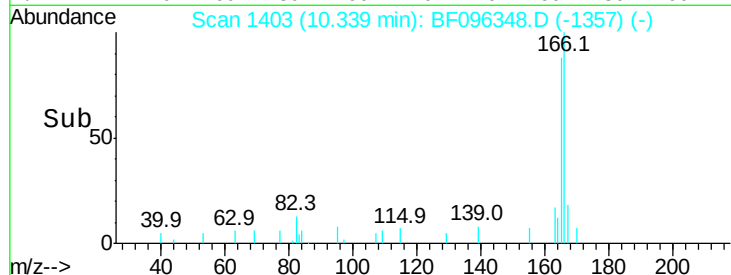
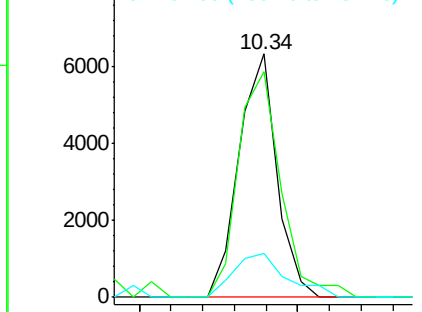
#57
Fluorene
 Concen: Below Cal
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.03 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 5242
 Ion Ratio Lower Upper
 166 100
 165 92.5 78.8 118.2
 167 18.0 10.6 16.0#

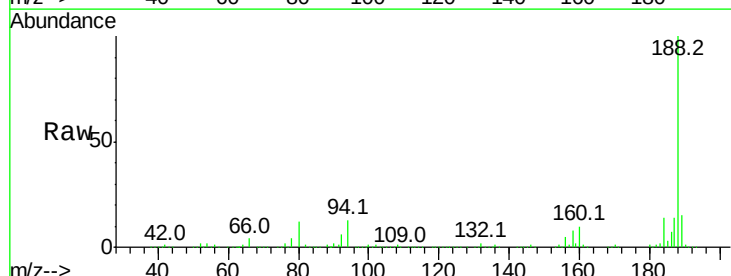


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

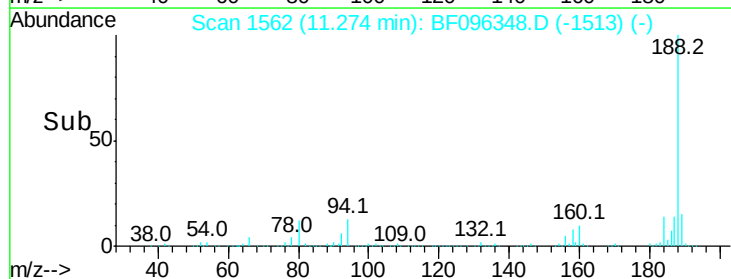
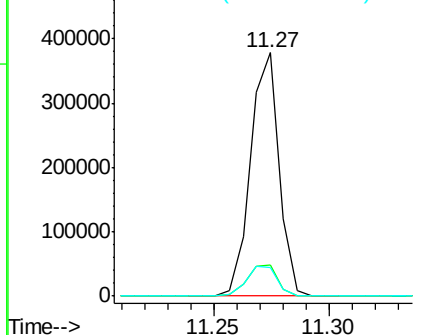


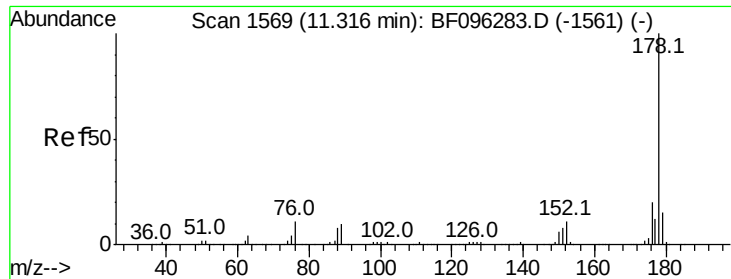
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: BF096348.D
 Acq: 30 Jun 2017 20:48

Tgt Ion:188 Resp: 326997
 Ion Ratio Lower Upper
 188 100
 94 12.8 9.4 14.2
 80 11.6 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. -0.03 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampled :

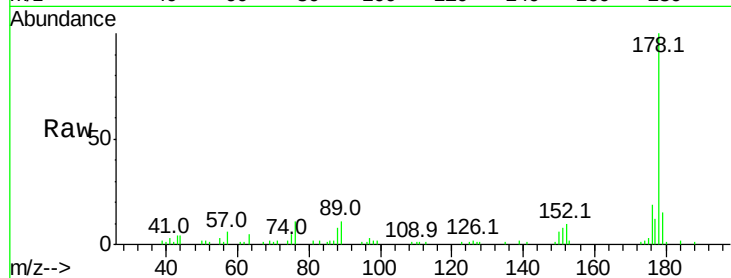
Tot Ion:178 Resp: 36869

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

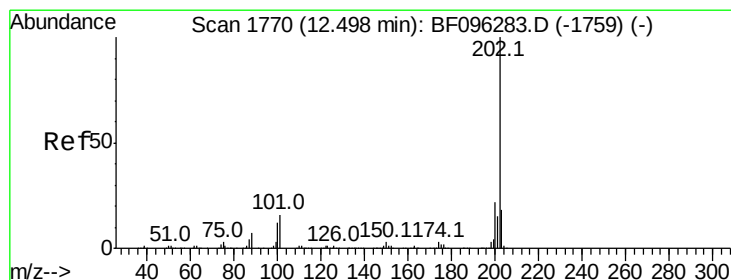
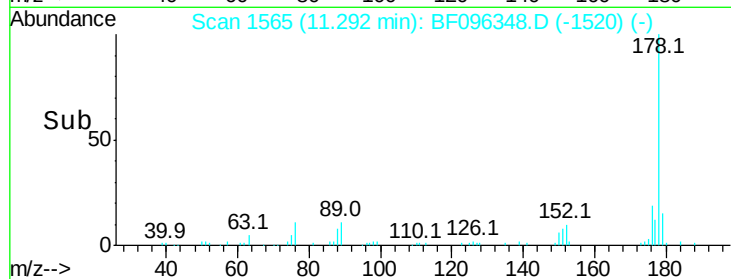
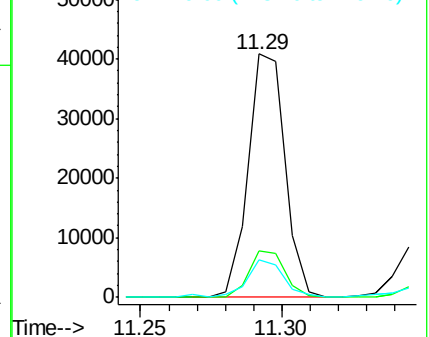
179 15.2 12.6 19.0



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: 3.11 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

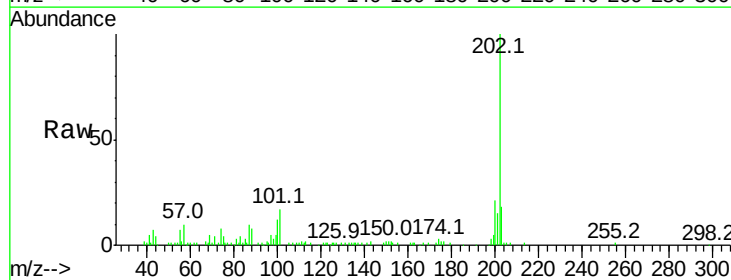
Tgt Ion:202 Resp: 56429

Ion Ratio Lower Upper

202 100

101 16.8 0.0 33.2

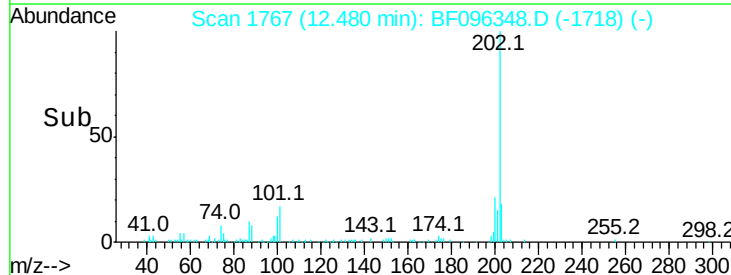
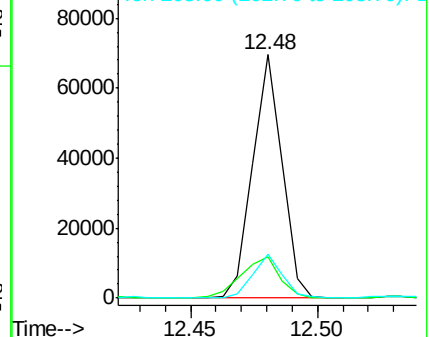
203 18.2 0.0 38.1

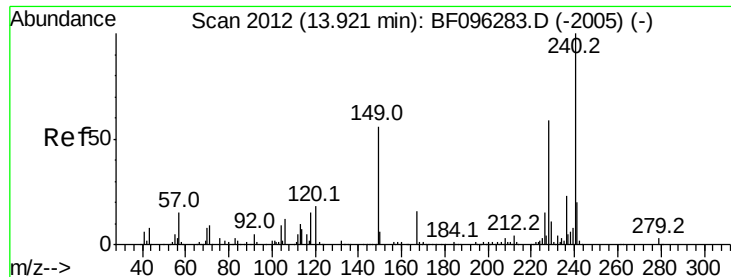


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampleId :

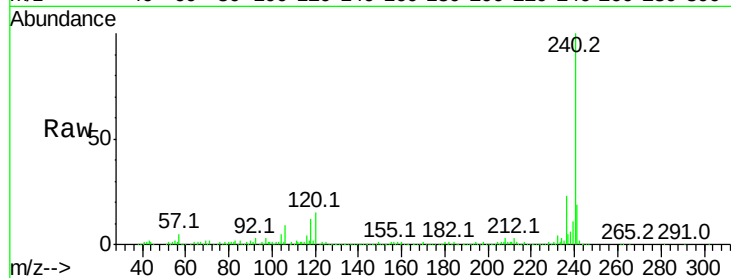
Tot Ion:240 Resp: 315549

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

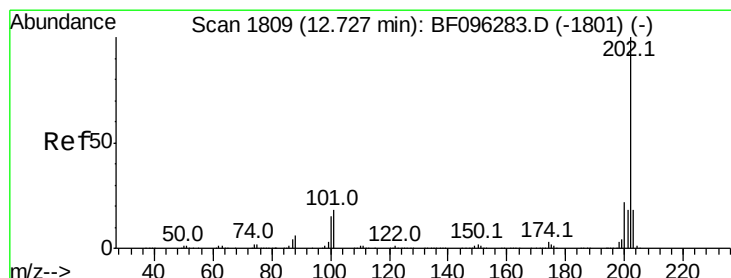
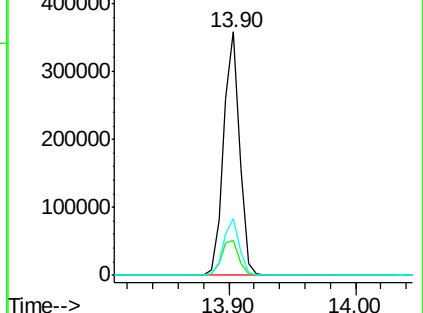
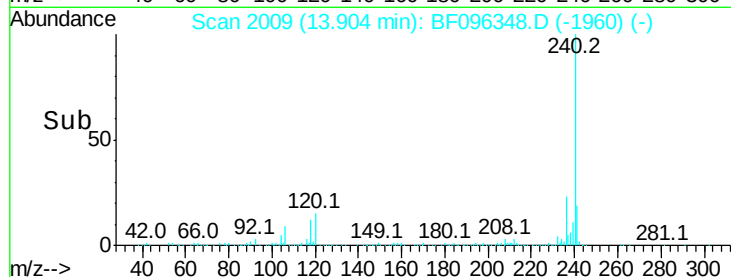
236 23.1 20.5 30.7



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

Pyrene

Concen: 2.03 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

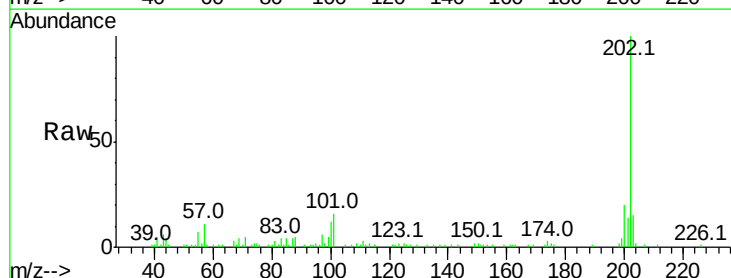
Tgt Ion:202 Resp: 52653

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

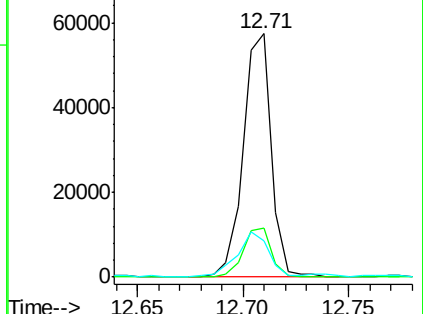
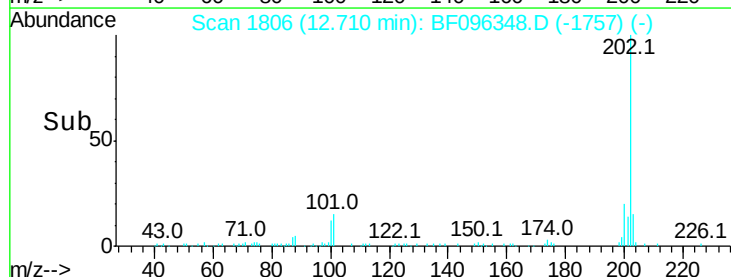
203 14.6 14.4 21.6

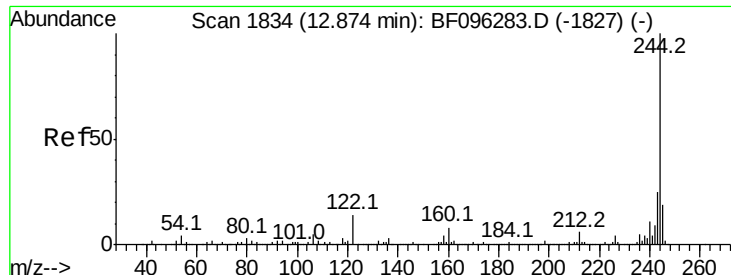


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.87 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampleId :

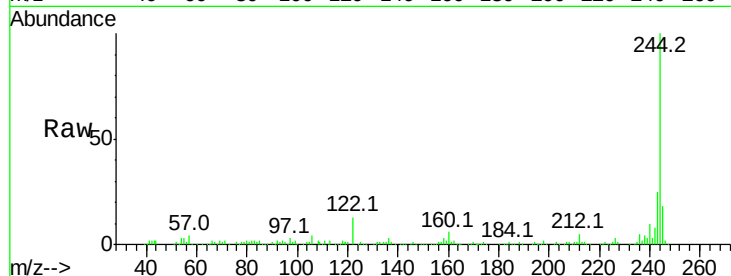
Tot Ion:244 Resp: 150107

Ion Ratio Lower Upper

244 100

212 5.4 6.0 9.0#

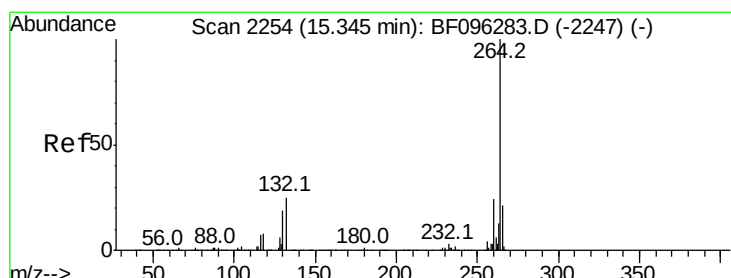
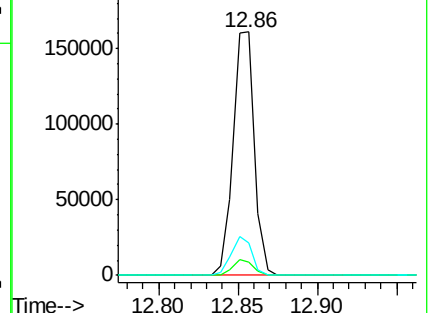
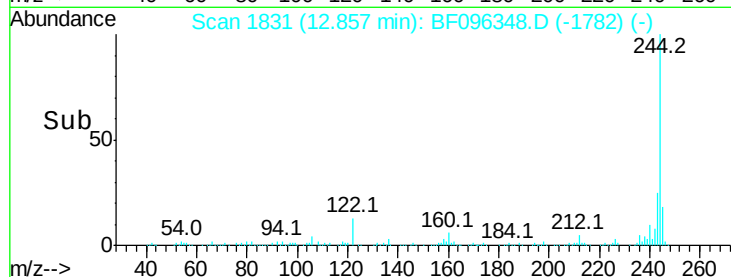
122 13.2 10.3 15.5



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: BF096348.D

Acq: 30 Jun 2017 20:48

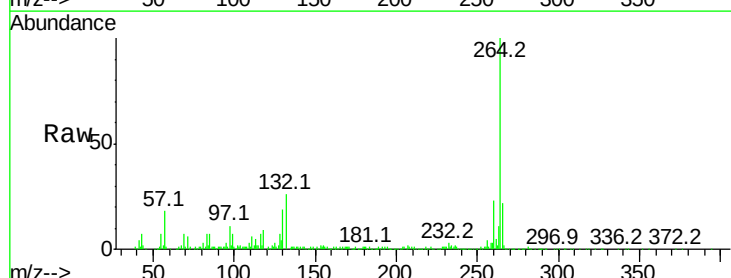
Tgt Ion:264 Resp: 245376

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

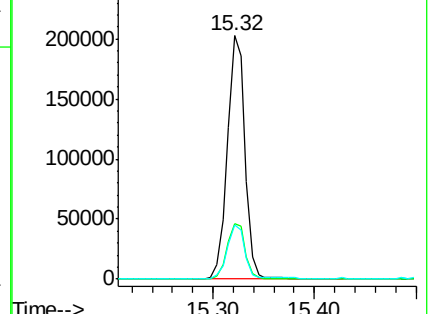
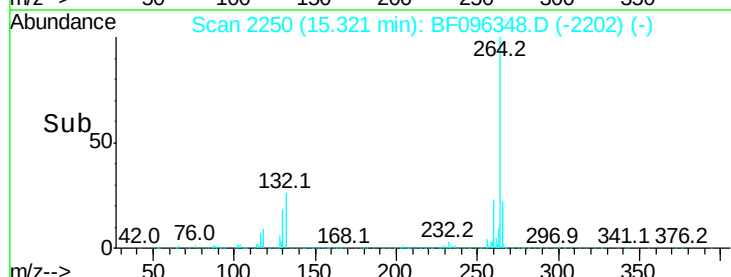
265 22.1 17.2 25.8

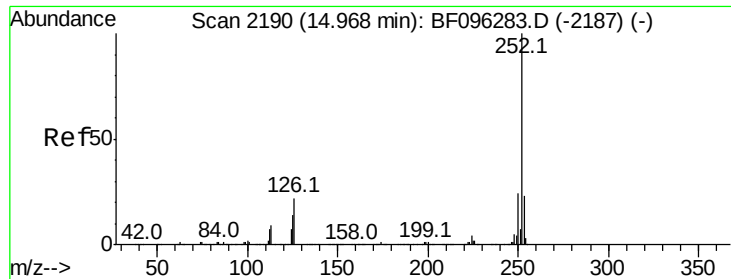


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.34 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

Instrument :

BNA_F

ClientSampleId :

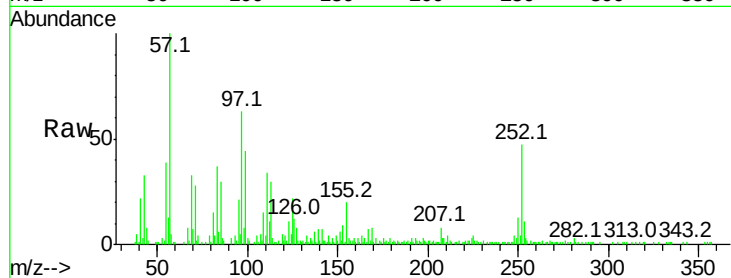
Tot Ion:252 Resp: 37738

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

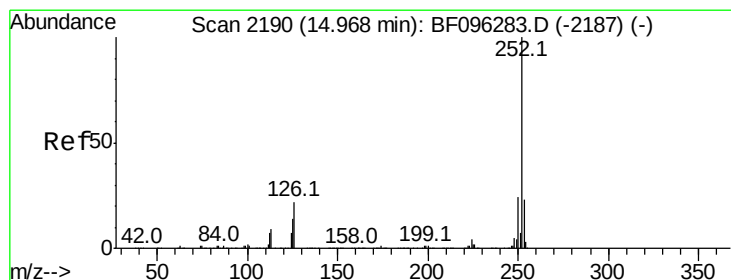
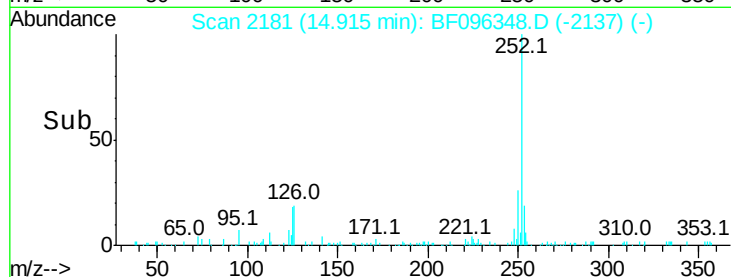
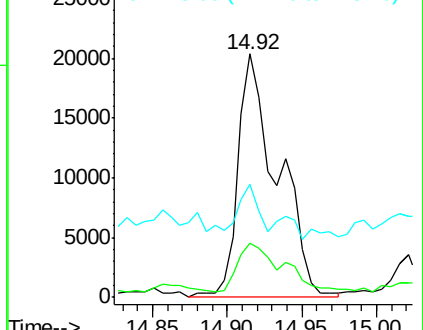
125 46.3 9.8 14.8#



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: 2.56 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096348.D

Acq: 30 Jun 2017 20:48

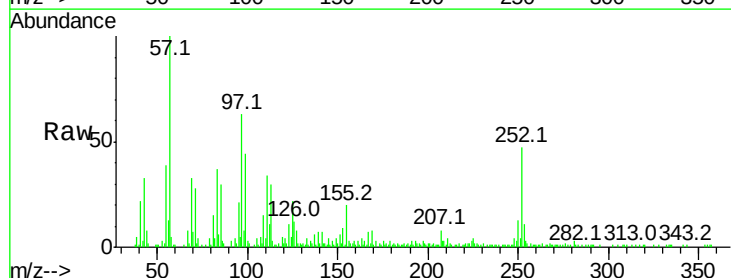
Tgt Ion:252 Resp: 37738

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 46.3 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

