

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096250.D
 Acq On : 28 Jun 2017 15:34
 Operator : SJ/MA
 Sample : I3880-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 01:33:26 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

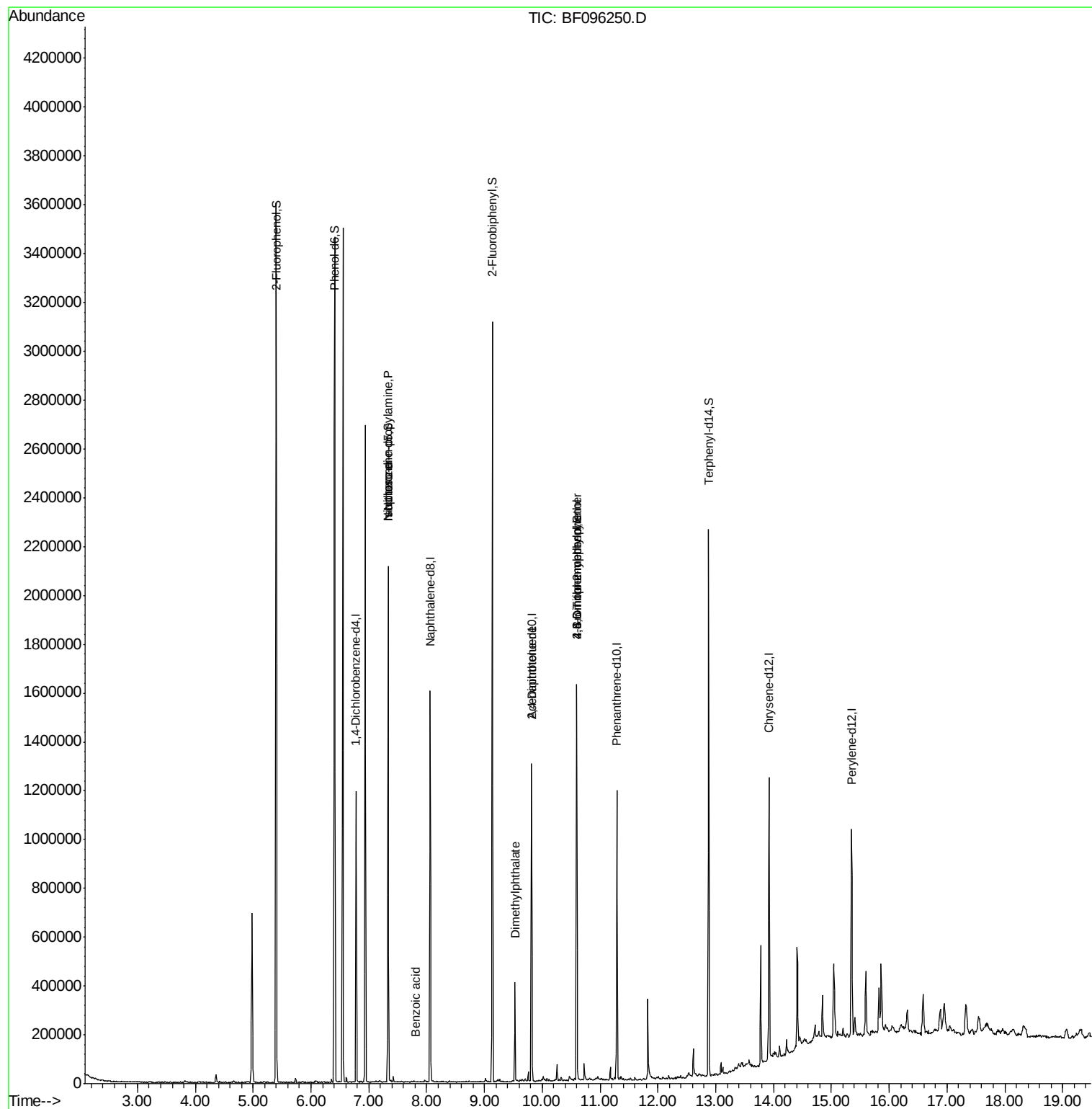
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	162342	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	644044	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	242457	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	370894	20.00	ng	0.00
75) Chrysene-d12	13.92	240	363630	20.00	ng	0.00
86) Perylene-d12	15.35	264	352405	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	941895	83.59	ng	0.02
7) Phenol-d6	6.41	99	1116382	81.82	ng	0.02
23) Nitrobenzene-d5	7.34	82	613865	65.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	193995	101.67	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	957840	72.35	ng	-0.01
78) Terphenyl-d14	12.88	244	706337	48.47	ng	0.01
Target Compounds						
9) Benzaldehyde	6.41	77	1436	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	77743	9.51	ng	85
25) Isophorone	7.34	82	613851	29.05	ng	67
32) Benzoic acid	7.82	122	109	8.80	ng	1
49) Dimethylphthalate	9.53	163	143688	8.28	ng	97
56) 2,4-Dinitrotoluene	9.82	165	30189	6.64	ng	33
57) Fluorene	10.60	166	9533	Below Cal	#	72
64) 4,6-Dinitro-2-methylphenol	10.60	198	128	8.80	ng	1
66) 4-Bromophenyl-phenylether	10.60	248	10696	2.80	ng	1
70) Phenanthrene	11.32	178	1750	Below Cal	#	80

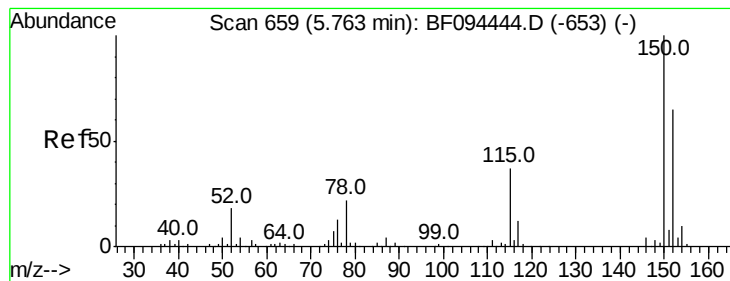
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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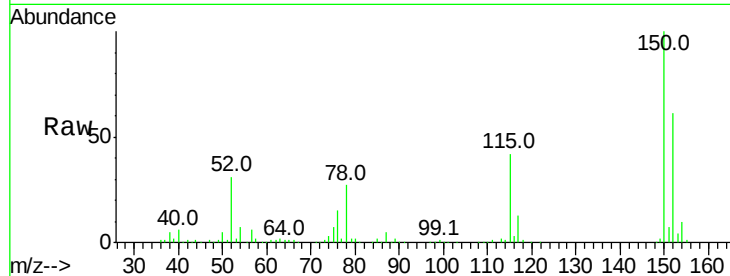


#1

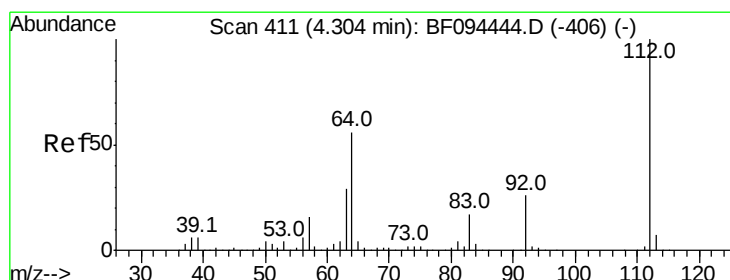
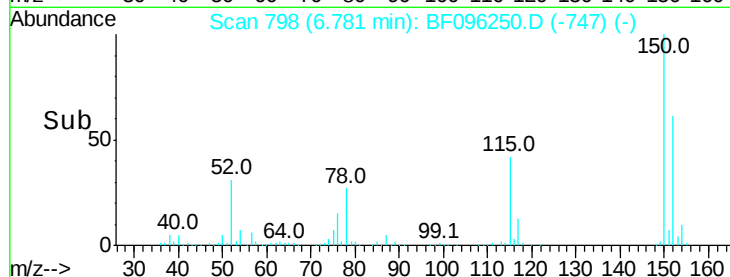
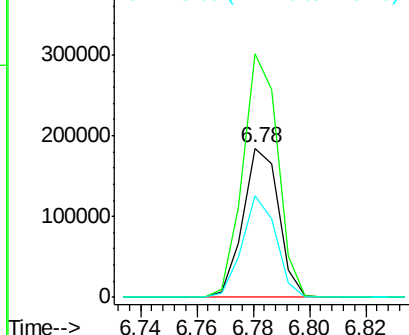
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 162342
Ion Ratio Lower Upper
152 100
150 162.9 126.2 189.2
115 68.2 52.2 78.2



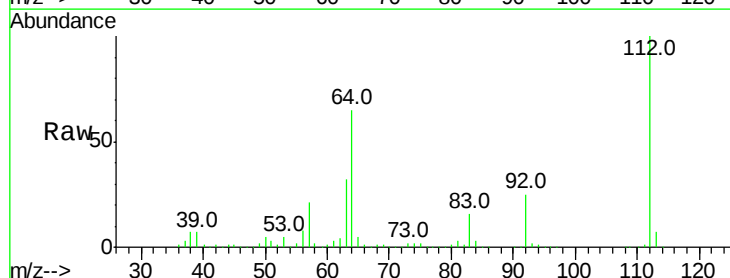
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



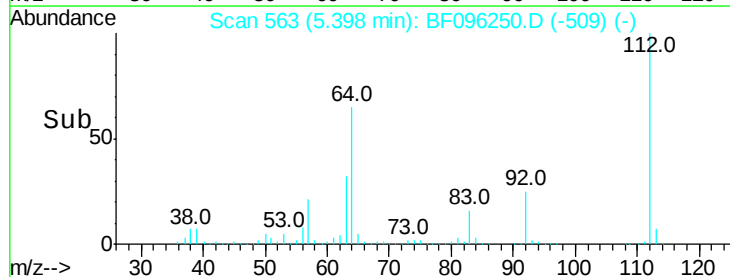
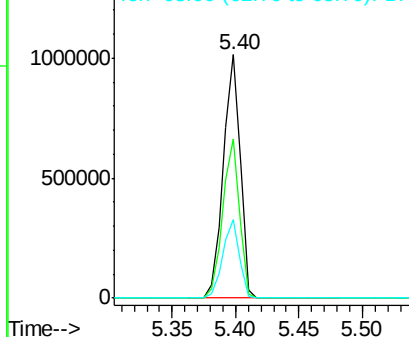
#5

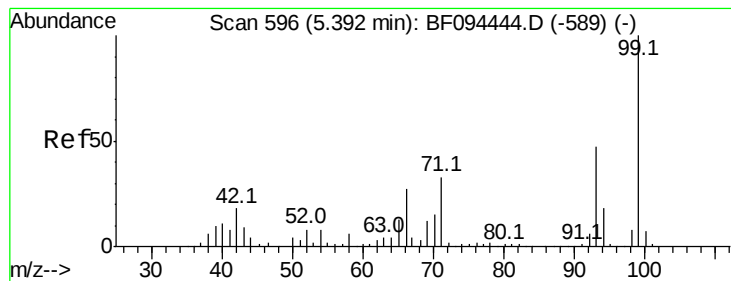
2-Fluorophenol
Concen: 83.59 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Tgt Ion:112 Resp: 941895
Ion Ratio Lower Upper
112 100
64 65.4 46.0 69.0
63 32.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.82 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.02 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

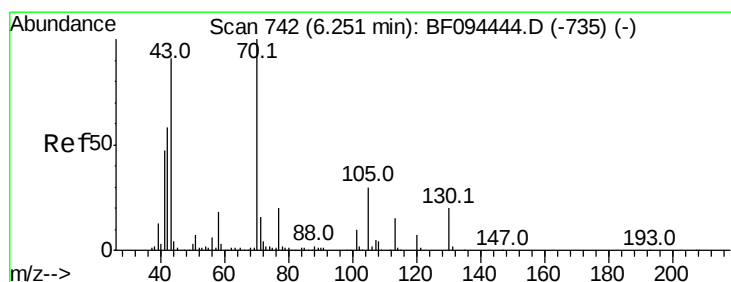
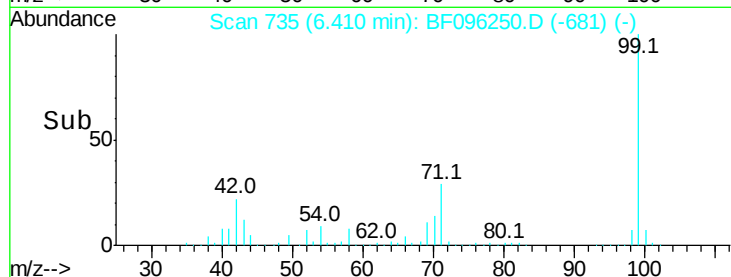
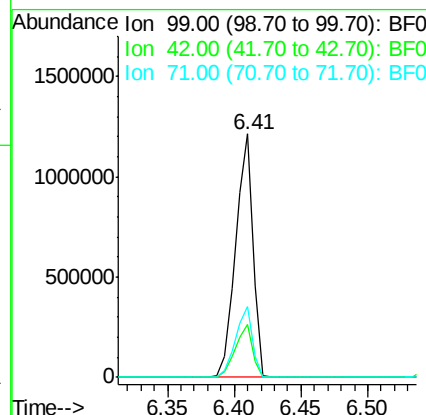
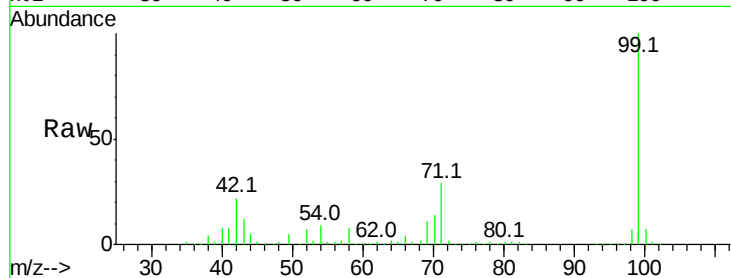
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1116382

Ion	Ratio	Lower	Upper
99	100		
42	21.6	13.5	20.3#
71	29.0	24.5	36.7



#19

n-Nitroso-di-n-propylamine

Concen: 9.51 ng

RT: 7.34 min Scan# 893

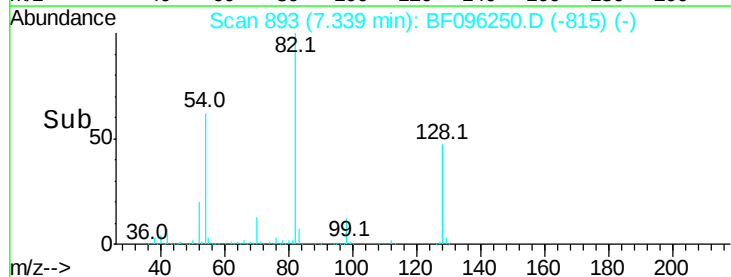
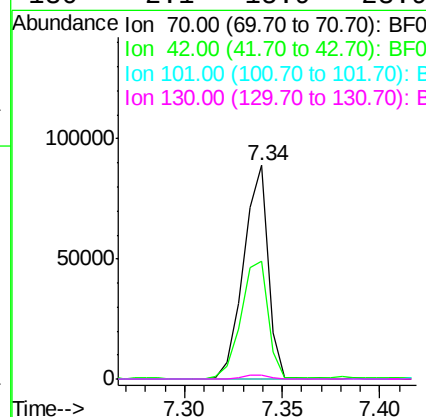
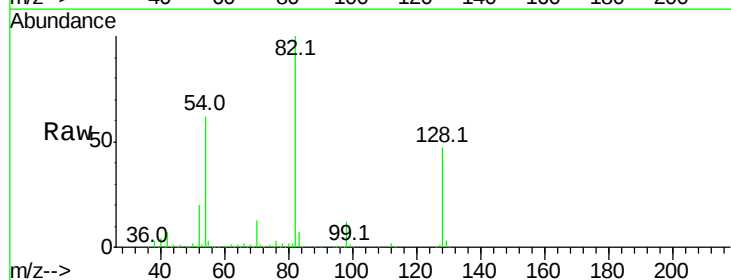
Delta R.T. 0.16 min

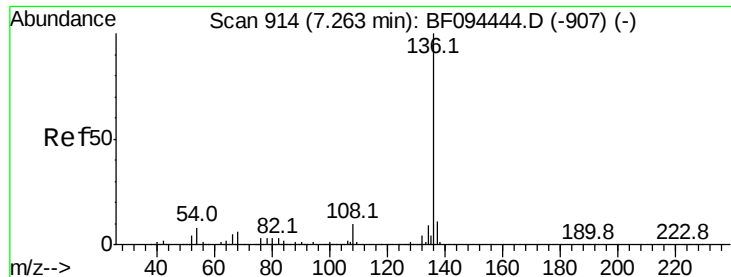
Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

Tgt Ion: 70 Resp: 77743

Ion	Ratio	Lower	Upper
70	100		
42	55.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#

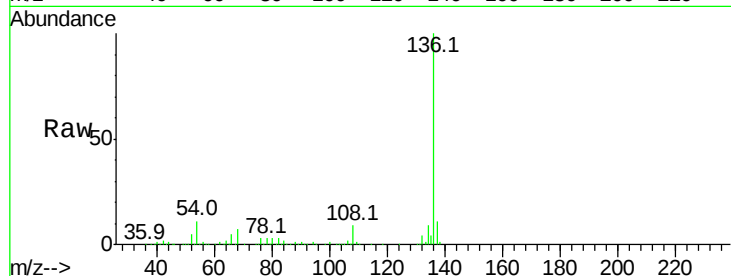




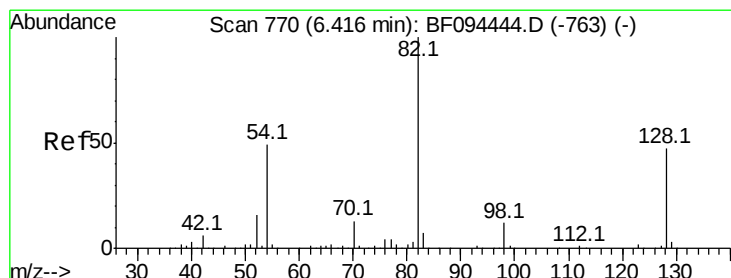
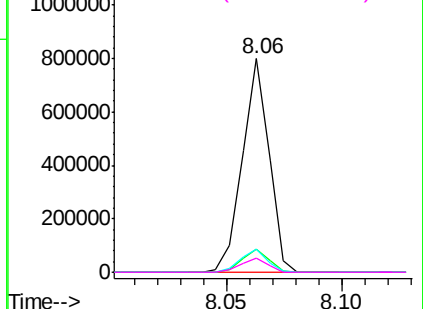
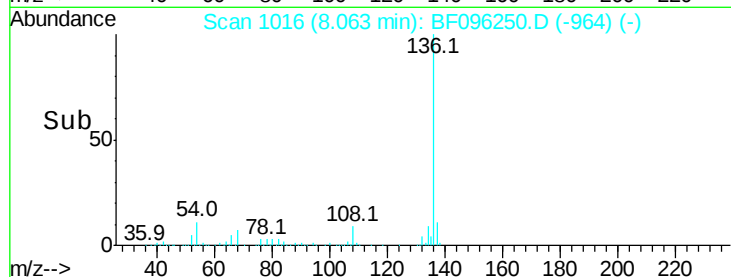
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	644044
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.5 12.7
54	10.7	4.9 7.3#
68	6.7	4.1 6.1#

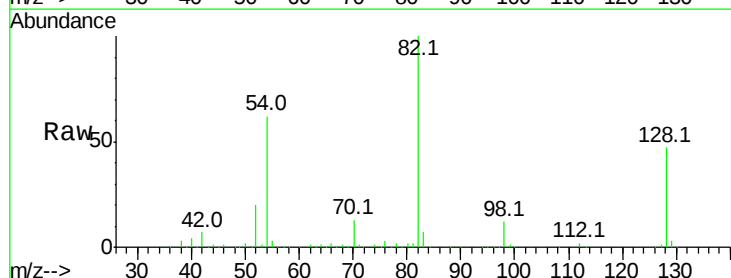


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

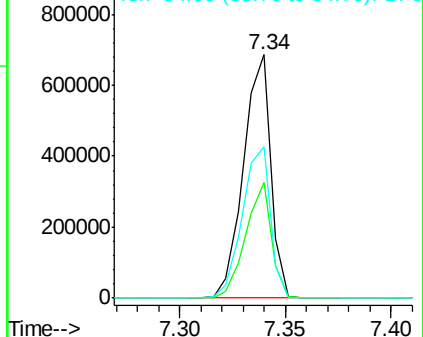
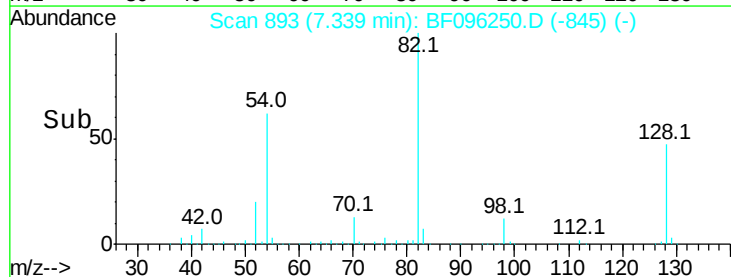


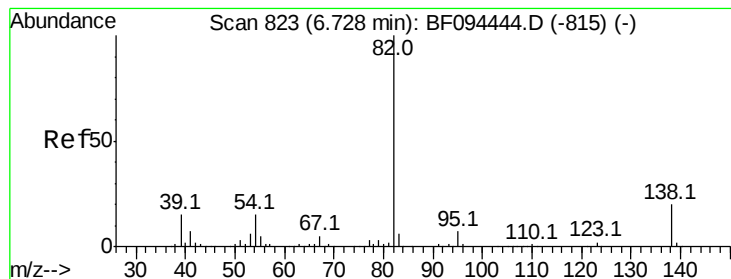
#23
Nitrobenzene-d5
Concen: 65.98 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Tgt Ion: 82	Resp:	613865
Ion Ratio	Lower	Upper
82	100	
128	47.5	34.0 51.0
54	62.2	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: 29.05 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.25 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

Instrument :

BNA_F

ClientSampleId :

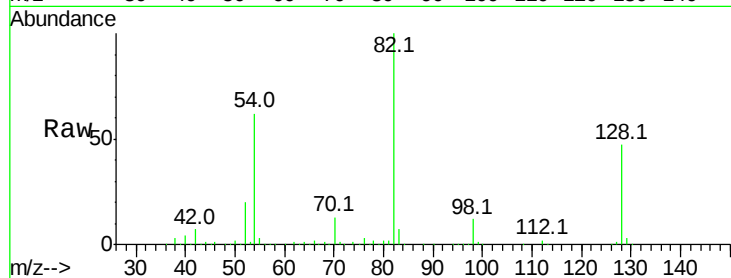
Tot Ion: 82 Resp: 613851

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

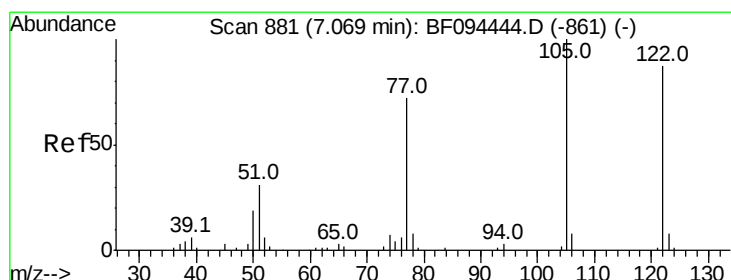
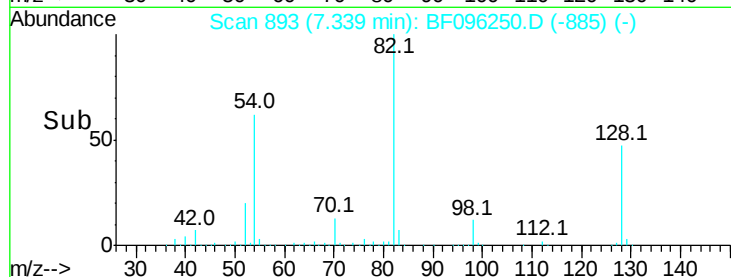
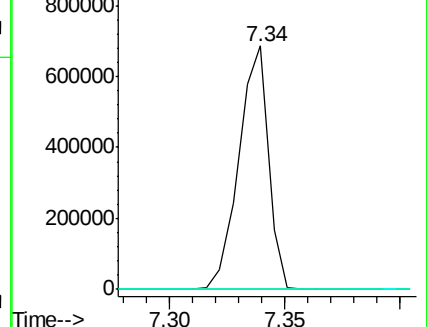
138 0.0 13.1 19.7#



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: 8.80 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.06 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

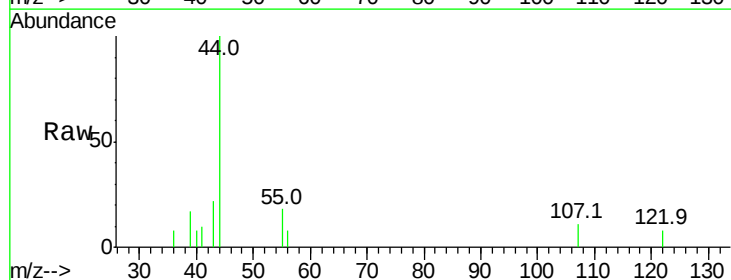
Tgt Ion:122 Resp: 109

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

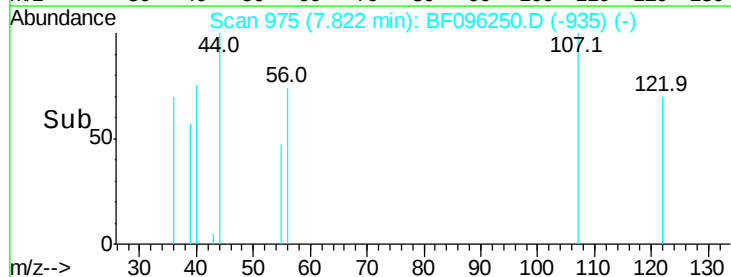
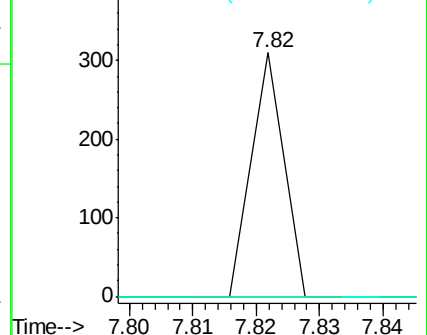
77 0.0 73.7 113.7#

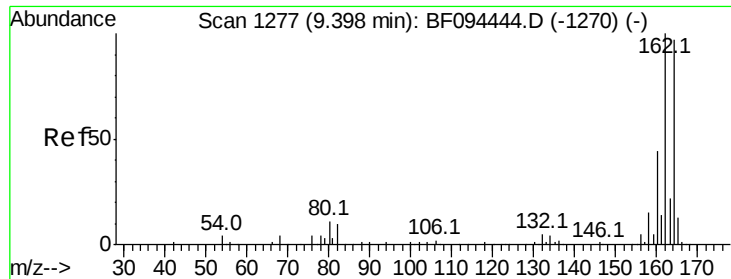


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

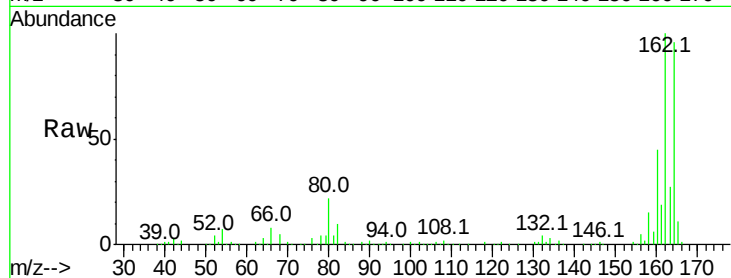




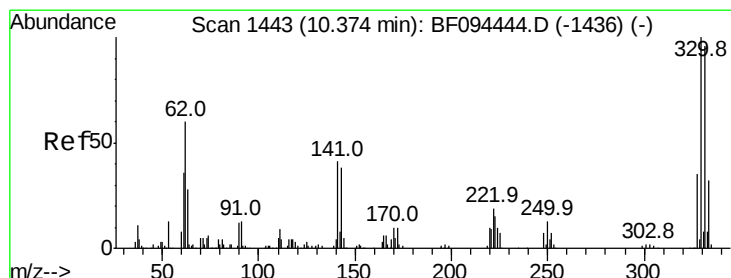
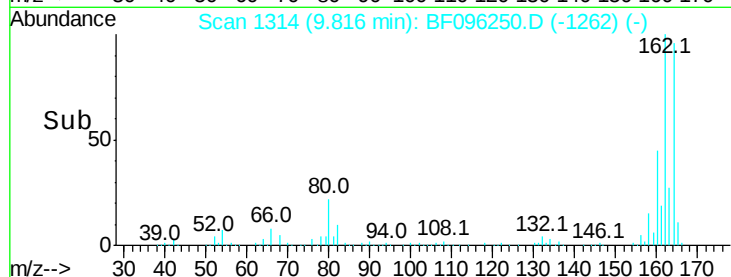
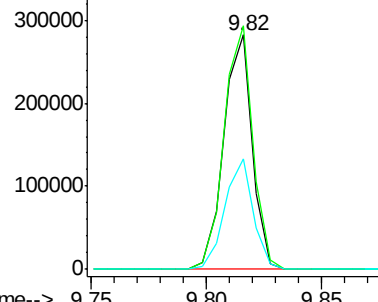
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 242457
Ion Ratio Lower Upper
164 100
162 103.9 82.6 123.8
160 47.0 36.2 54.2

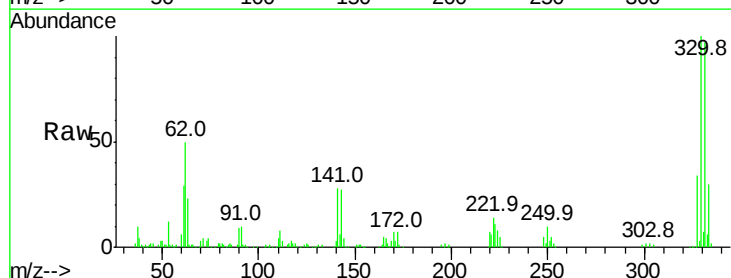


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

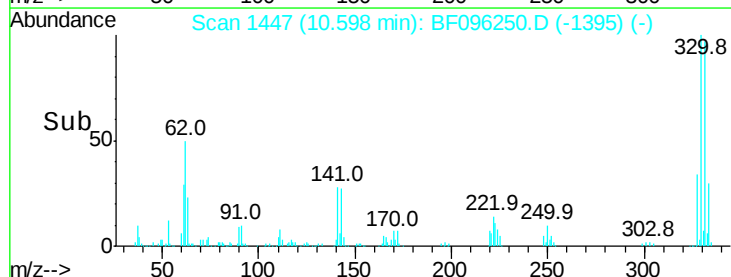
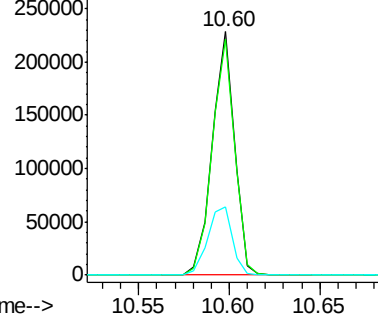


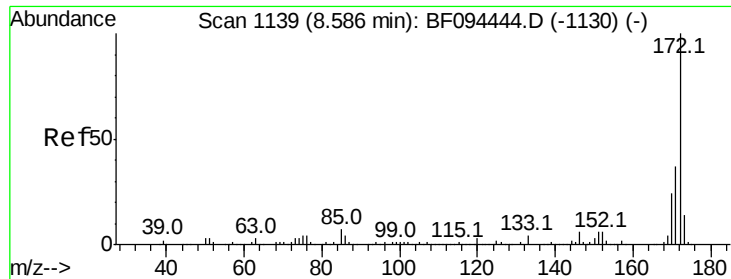
#41
2,4,6-Tribromophenol
Concen: 101.67 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Tgt Ion:330 Resp: 193995
Ion Ratio Lower Upper
330 100
332 98.4 76.6 115.0
141 31.5 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

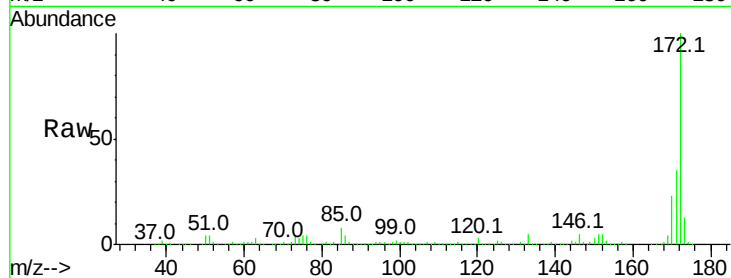




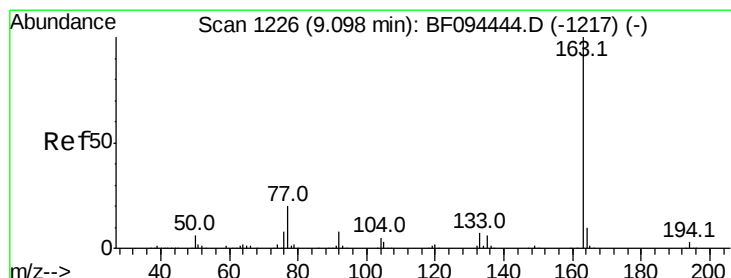
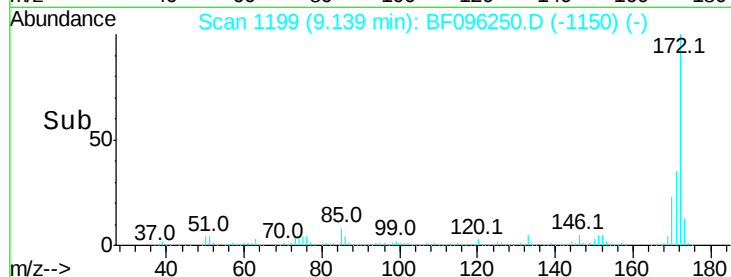
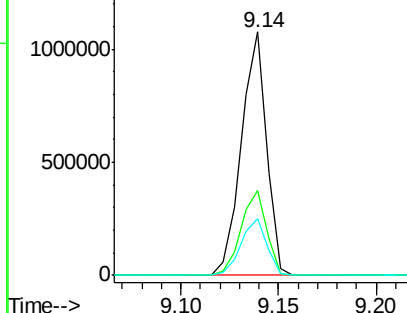
#44
2-Fluorobiphenyl
Concen: 72.35 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.4	19.8	29.8

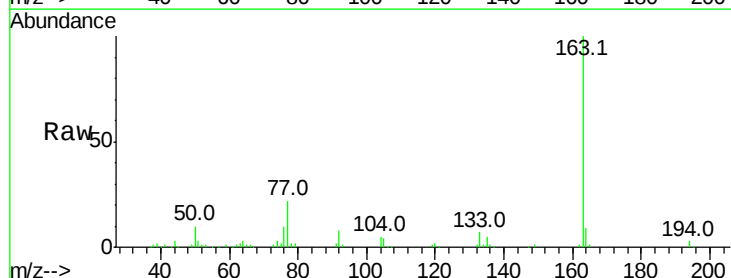


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

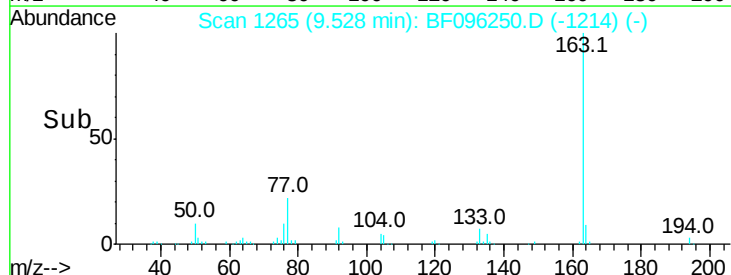
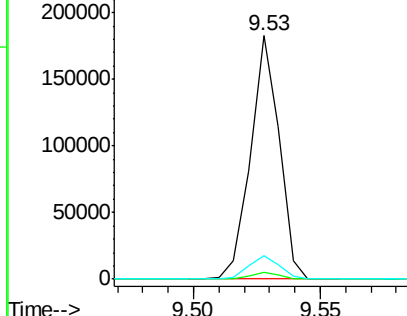


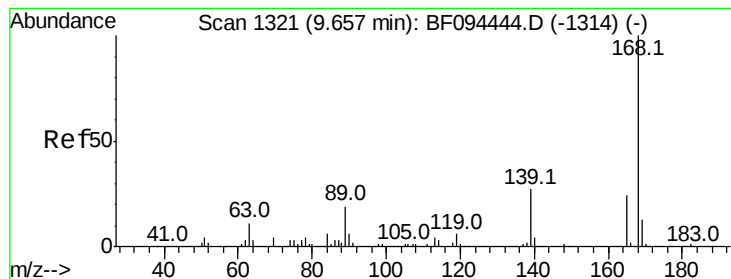
#49
Dimethylphthalate
Concen: 8.28 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.4	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





#56

2,4-Dinitrotoluene

Concen: 6.64 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.19 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 30189

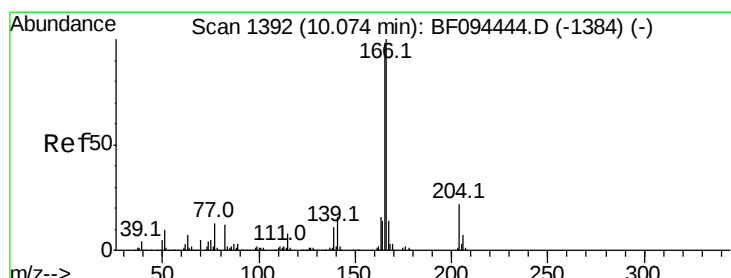
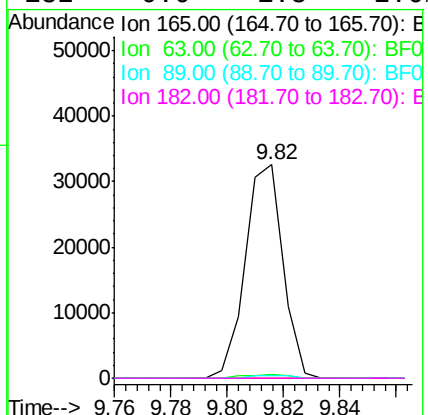
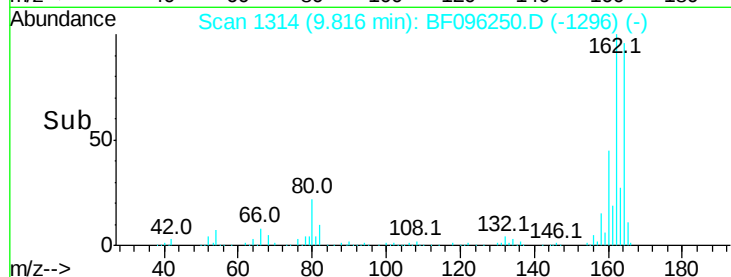
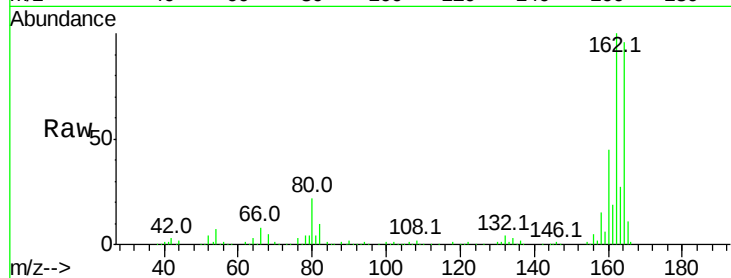
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.2 46.4 69.6#

182 0.0 1.8 2.6#



#57

Fluorene

Concen: Below Cal

RT: 10.60 min Scan# 1447

Delta R.T. 0.23 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

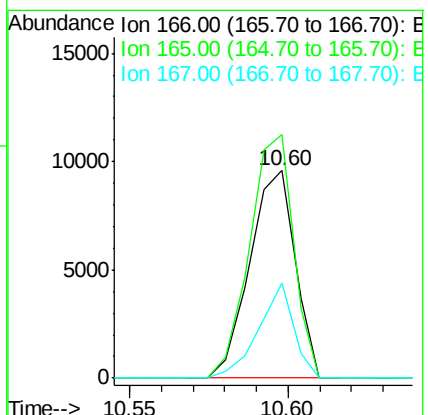
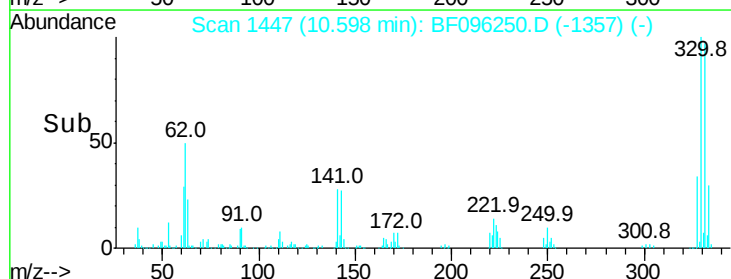
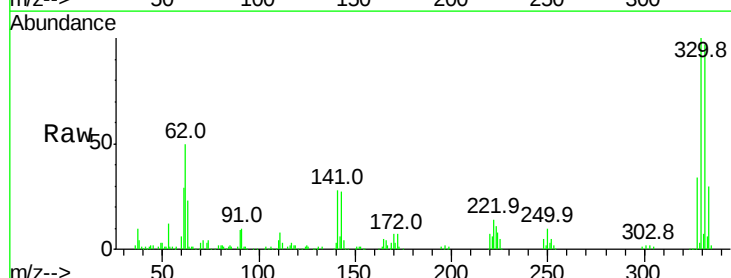
Tgt Ion:166 Resp: 9533

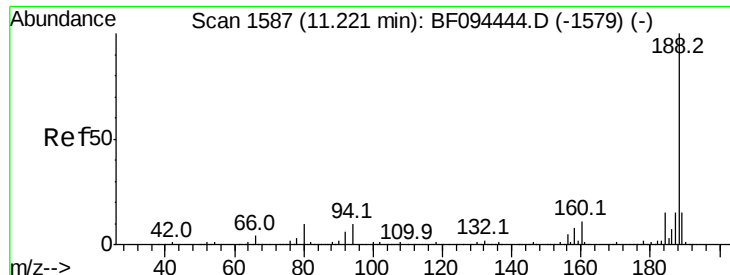
Ion Ratio Lower Upper

166 100

165 117.4 78.8 118.2

167 51.3 10.6 16.0#

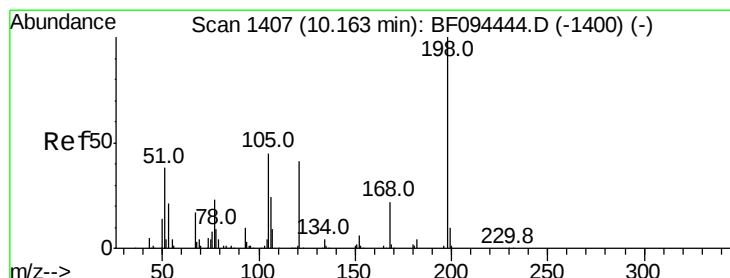
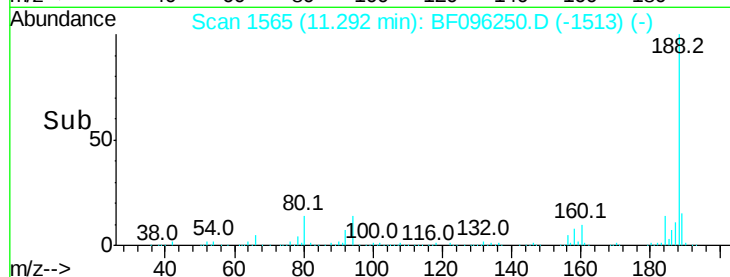
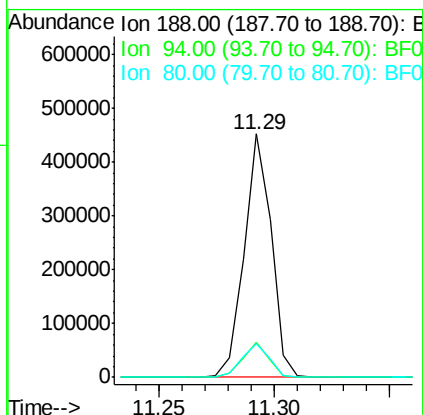
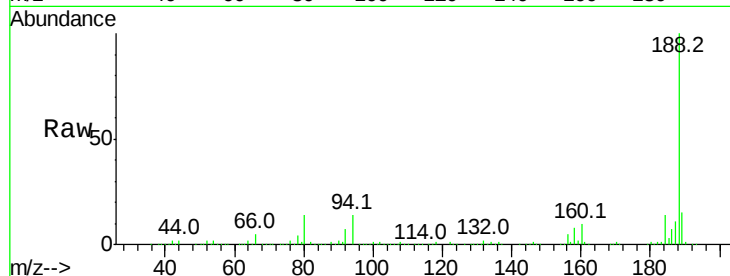




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: BF096250.D
 Acq: 28 Jun 2017 15:34

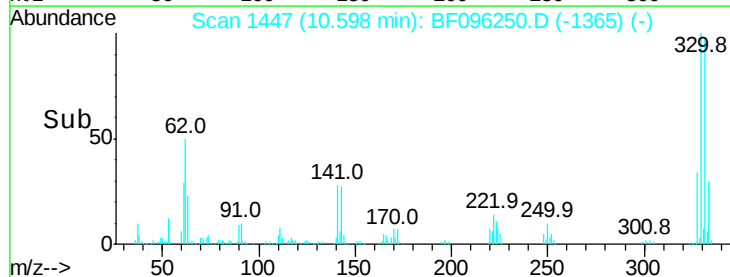
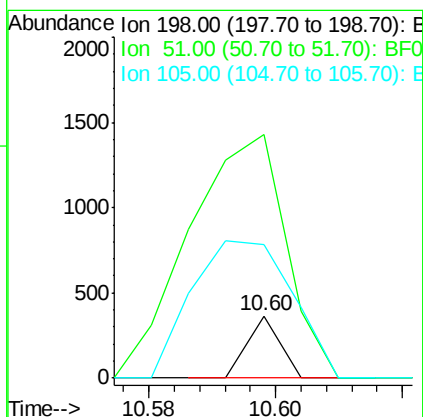
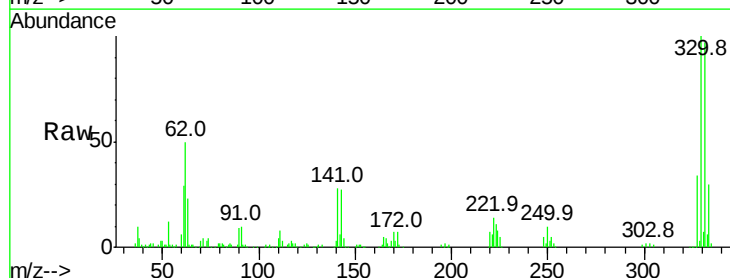
Instrument :
 BNA_F
 ClientSampleId :

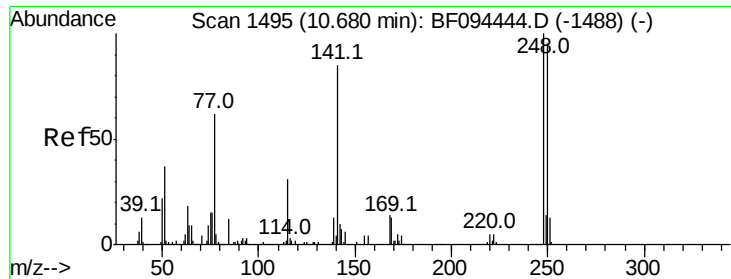
Tot Ion:188 Resp: 370894
 Ion Ratio Lower Upper
 188 100
 94 14.1 9.4 14.2
 80 14.1 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.80 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.18 min
 Lab File: BF096250.D
 Acq: 28 Jun 2017 15:34

Tgt Ion:198 Resp: 128
 Ion Ratio Lower Upper
 198 100
 51 393.7 53.2 93.2#
 105 215.7 45.8 85.8#

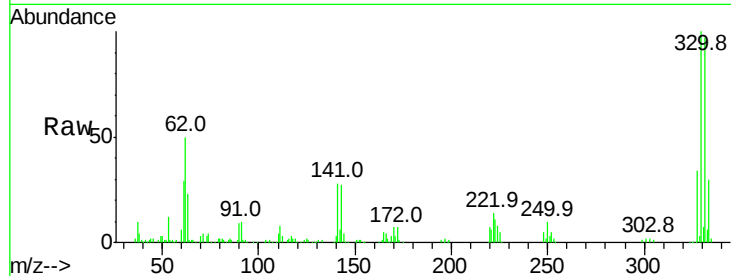




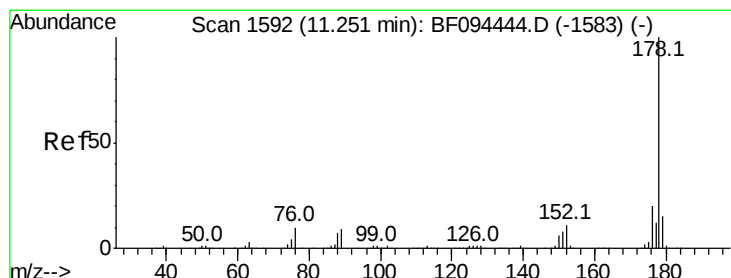
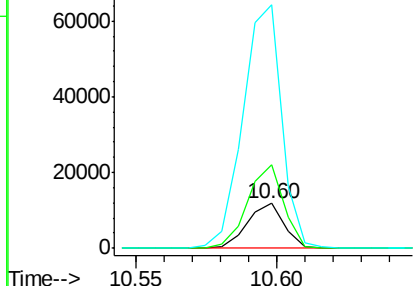
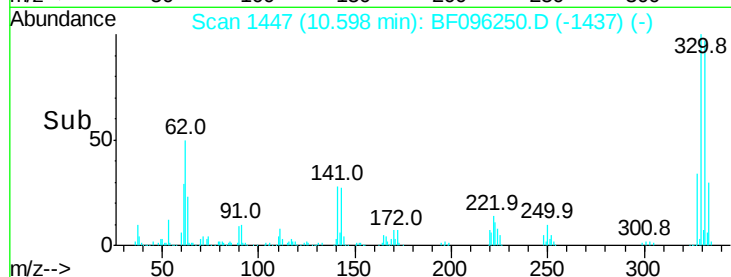
#66
4-Bromophenyl-phenylether
Concen: 2.80 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10696
Ion Ratio Lower Upper
248 100
250 185.1 76.8 115.2#
141 540.3 68.6 103.0#

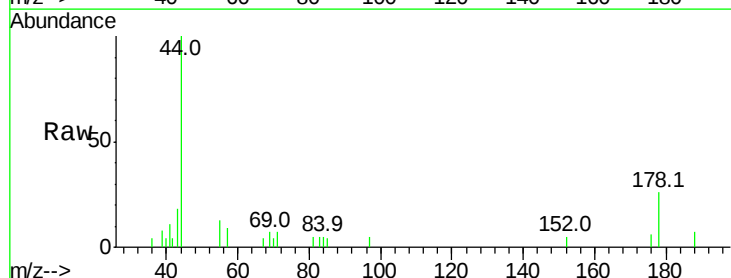


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

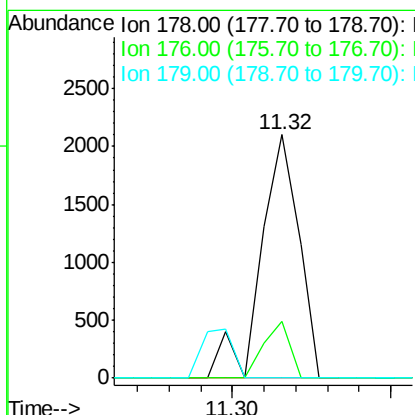
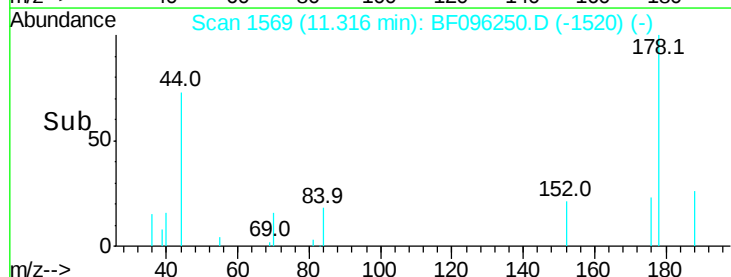


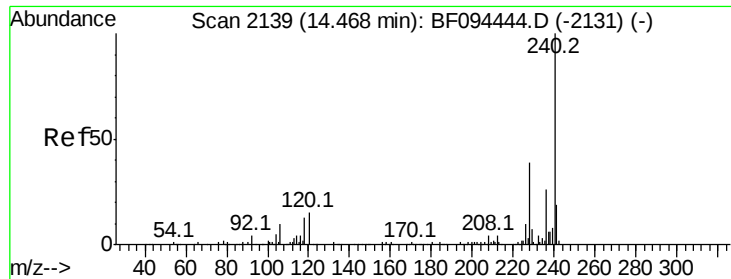
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Tgt Ion:178 Resp: 1750
Ion Ratio Lower Upper
178 100
176 23.4 16.2 24.4
179 0.0 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

Instrument :

BNA_F

ClientSampleId :

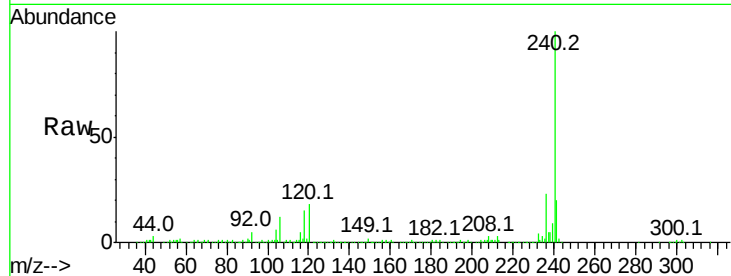
Tot Ion:240 Resp: 363630

Ion Ratio Lower Upper

240 100

120 17.7 5.8 8.8#

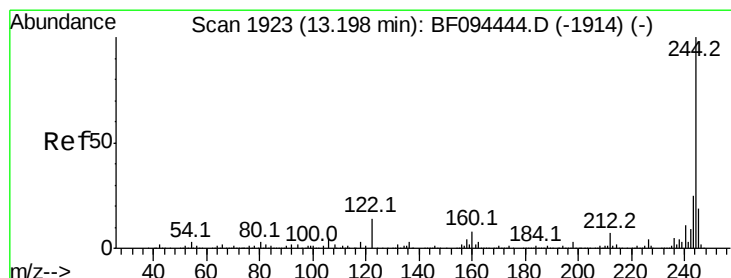
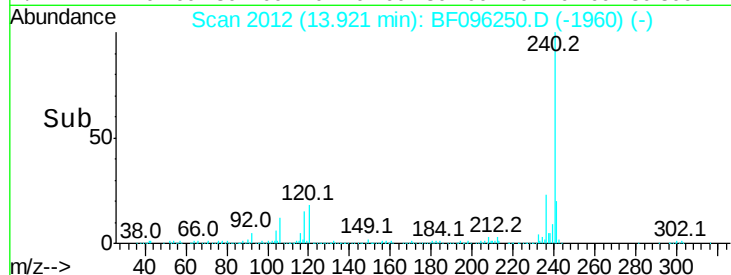
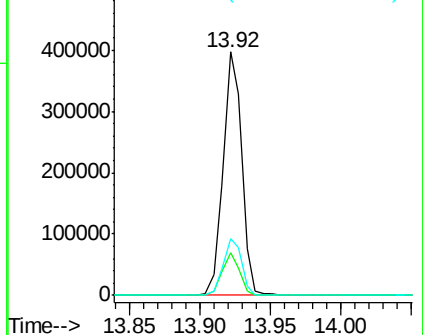
236 23.5 20.5 30.7



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: 48.47 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096250.D

Acq: 28 Jun 2017 15:34

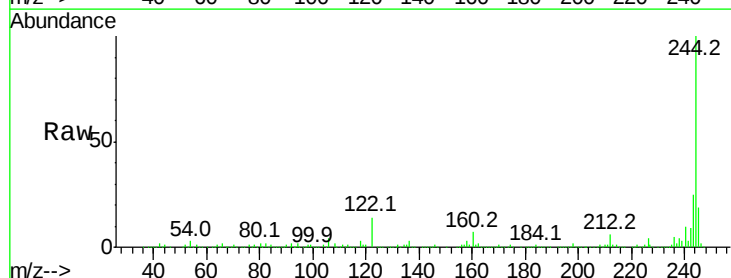
Tgt Ion:244 Resp: 706337

Ion Ratio Lower Upper

244 100

212 6.0 6.0 9.0#

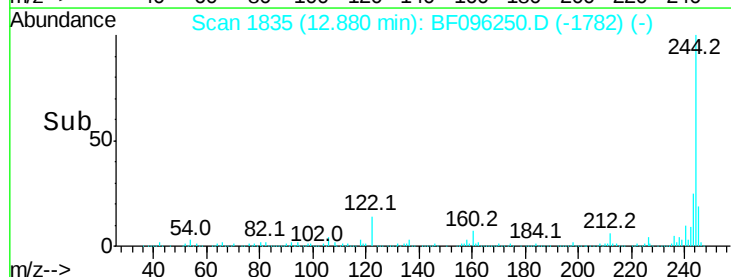
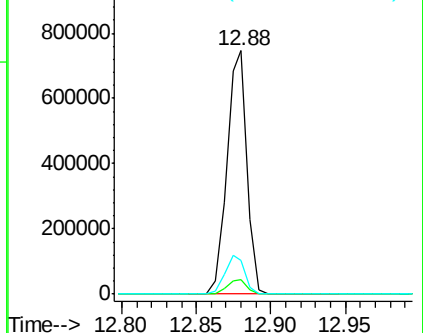
122 13.7 10.3 15.5

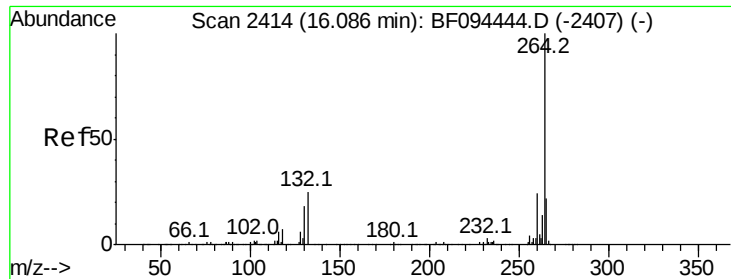


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

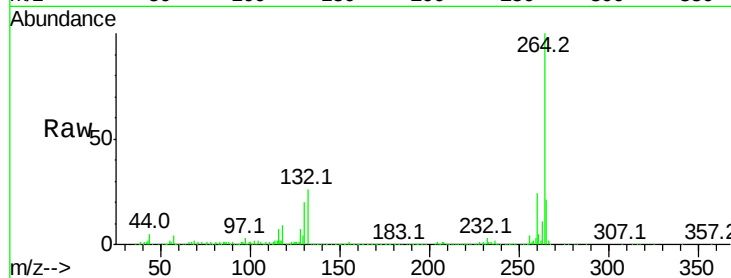




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.01 min
Lab File: BF096250.D
Acq: 28 Jun 2017 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	352405
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.3	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

