

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096304.D
 Acq On : 29 Jun 2017 21:03
 Operator : SJ/MA
 Sample : I3882-03 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:09:13 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

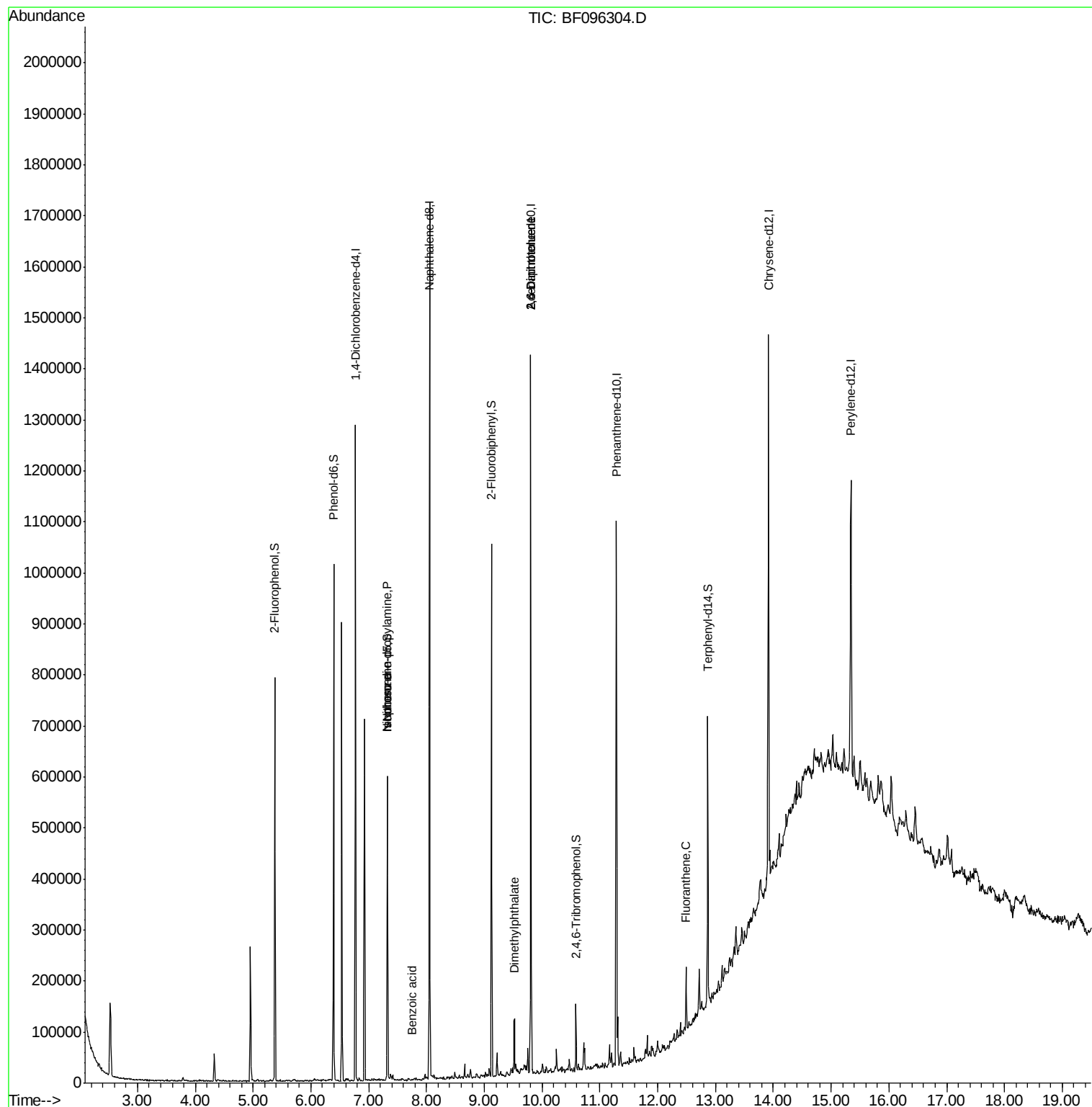
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	180045	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	712219	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	262538	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	359906	20.00	ng	0.00
75) Chrysene-d12	13.92	240	338655	20.00	ng	0.00
86) Perylene-d12	15.34	264	265054	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	188017	15.04	ng	0.00
7) Phenol-d6	6.39	99	284133	18.78	ng	0.00
23) Nitrobenzene-d5	7.32	82	153982	14.97	ng	-0.04
41) 2,4,6-Tribromophenol	10.59	330	12824	6.21	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	277329	19.35	ng	-0.02
78) Terphenyl-d14	12.87	244	171072	12.60	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	592	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	19001	2.10 ng	#	86
25) Isophorone	7.32	82	153978	6.59 ng	#	67
32) Benzoic acid	7.74	122	110	8.80 ng	#	1
49) Dimethylphthalate	9.52	163	37902	2.02 ng	#	99
50) 2,6-Dinitrotoluene	9.80	165	34060	8.72 ng	#	34
56) 2,4-Dinitrotoluene	9.80	165	34060	6.91 ng	#	33
57) Fluorene	10.35	166	1470	Below Cal	#	74
70) Phenanthrene	11.31	178	33168	Below Cal		95
74) Fluoranthene	12.49	202	41113	2.06 ng		94

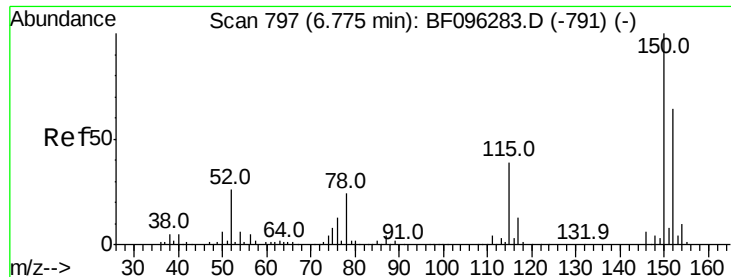
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA_F

ClientSampled :

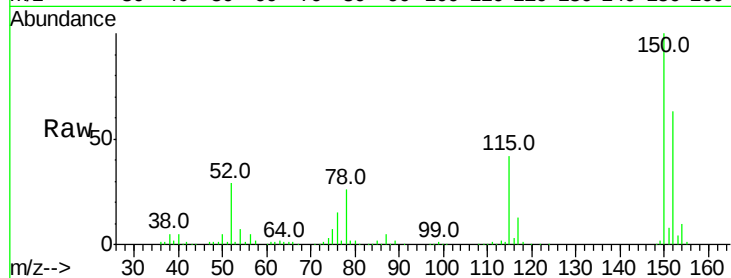
Tot Ion:152 Resp: 180045

Ion Ratio Lower Upper

152 100

150 158.2 126.2 189.2

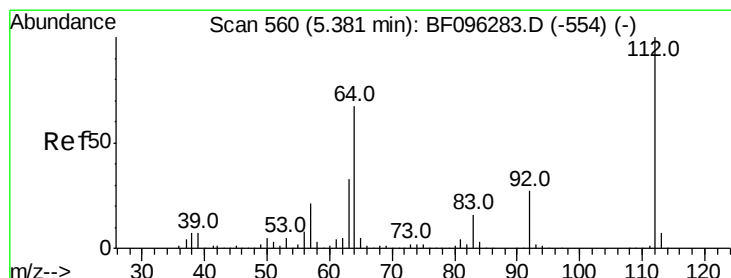
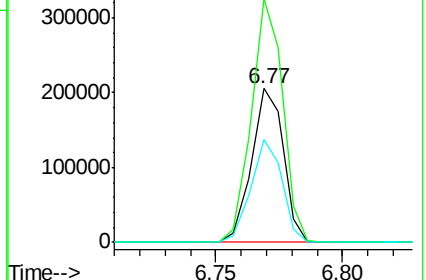
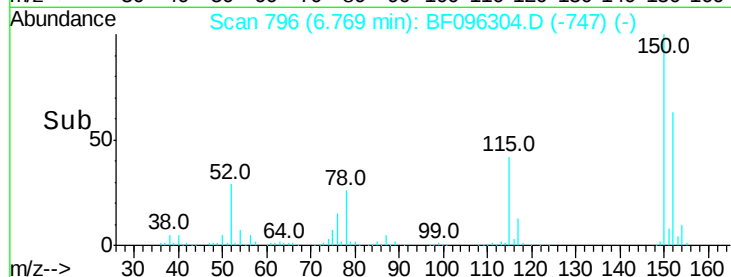
115 67.0 52.2 78.2



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: 15.04 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

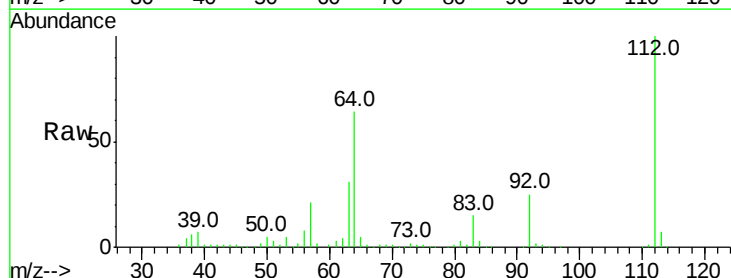
Tgt Ion:112 Resp: 188017

Ion Ratio Lower Upper

112 100

64 63.7 46.0 69.0

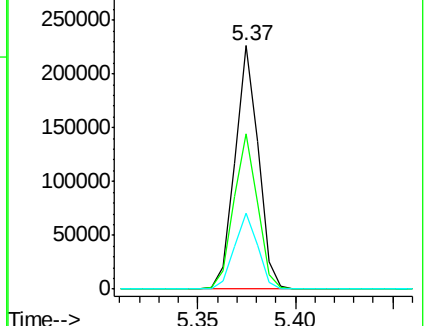
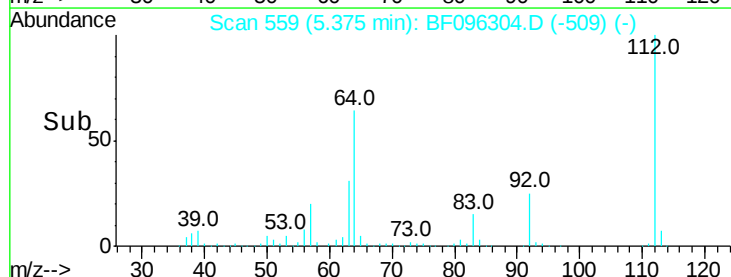
63 31.3 23.4 35.0

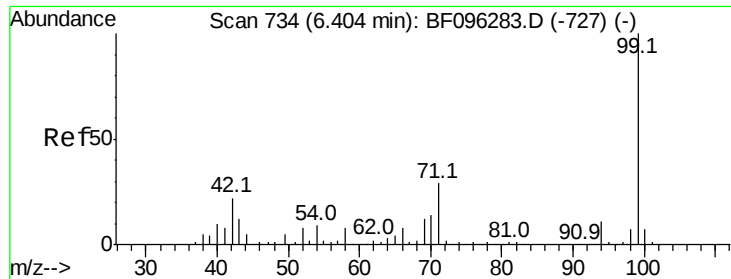


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.78 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

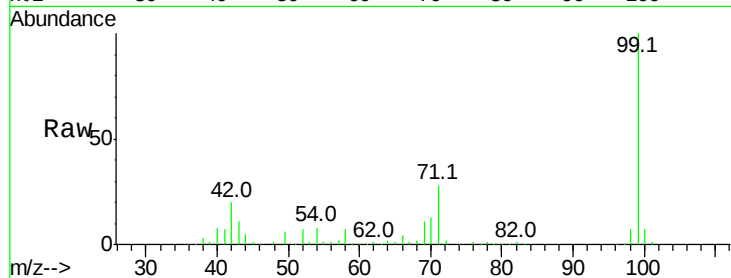
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 284133

Ion	Ratio	Lower	Upper
99	100		
42	20.0	13.5	20.3
71	28.0	24.5	36.7

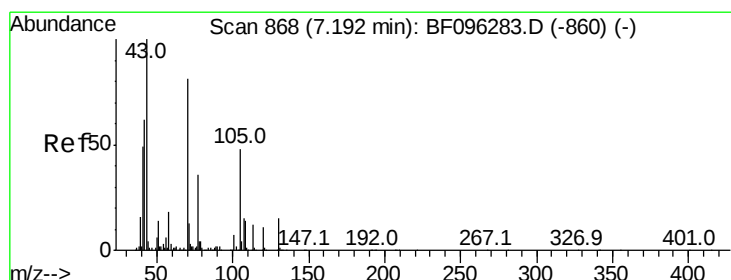
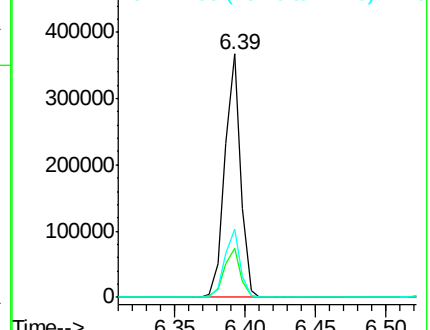
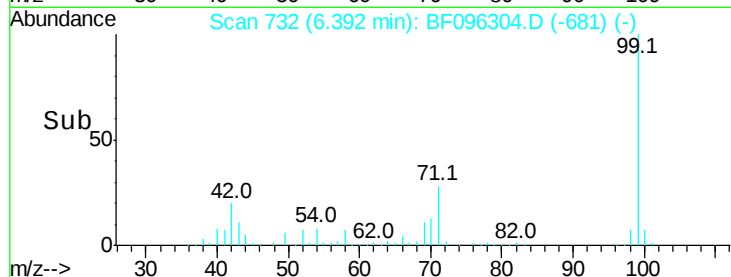


Abundance

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: 2.10 ng

RT: 7.32 min Scan# 890

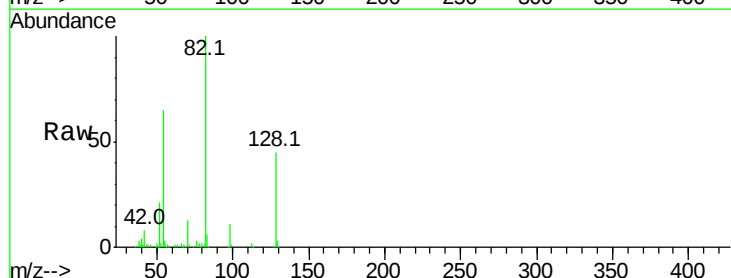
Delta R.T. 0.14 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Tgt Ion: 70 Resp: 19001

Ion	Ratio	Lower	Upper
70	100		
42	61.7	47.2	70.8
101	0.0	7.2	10.8#
130	1.3	15.9	23.9#



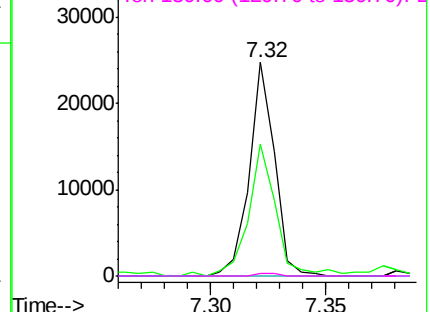
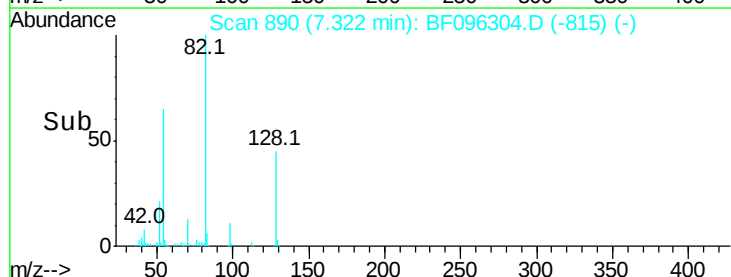
Abundance

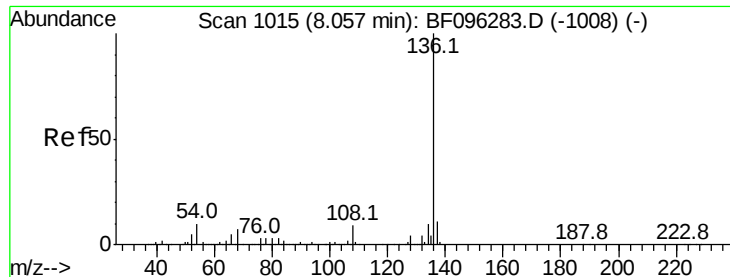
Ion 70.00 (69.70 to 70.70): BF0

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

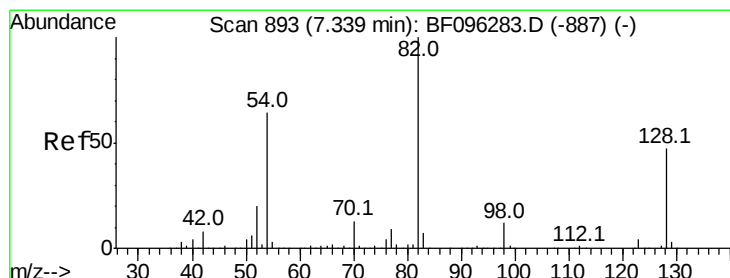
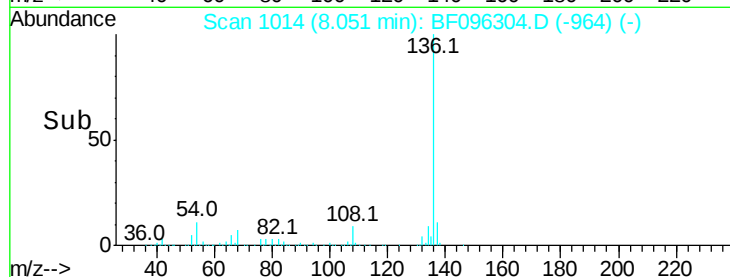
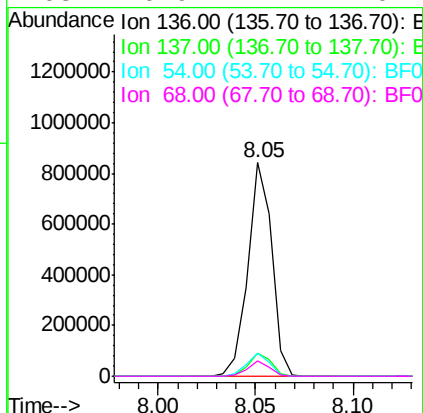
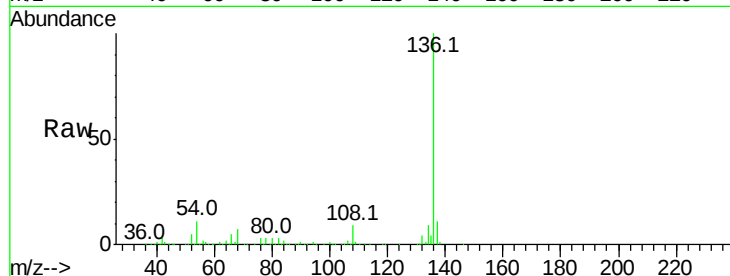




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

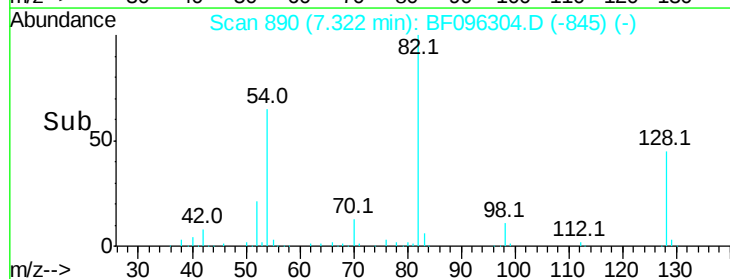
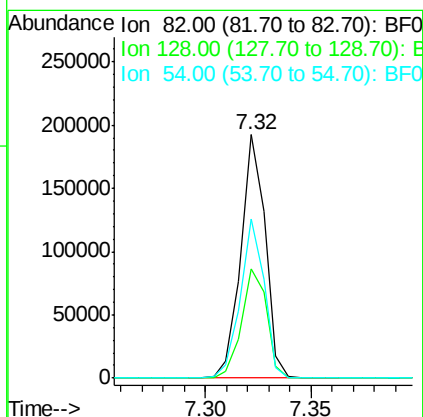
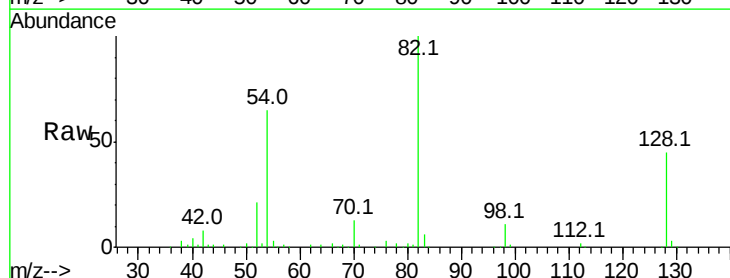
Instrument :
BNA_F
ClientSampleId :

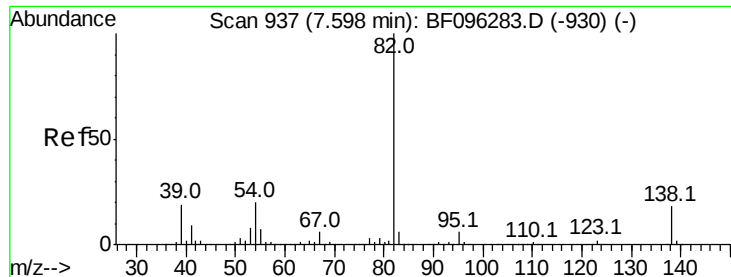
Tot Ion:136	Resp:	712219
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.5 12.7
54	10.9	4.9 7.3#
68	6.9	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 14.97 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.04 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

Tgt Ion: 82	Resp:	153982
Ion	Ratio	Lower Upper
82	100	
128	44.8	34.0 51.0
54	65.5	42.2 63.2#





#25

Isophorone

Concen: 6.59 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.27 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA_F

ClientSampleId :

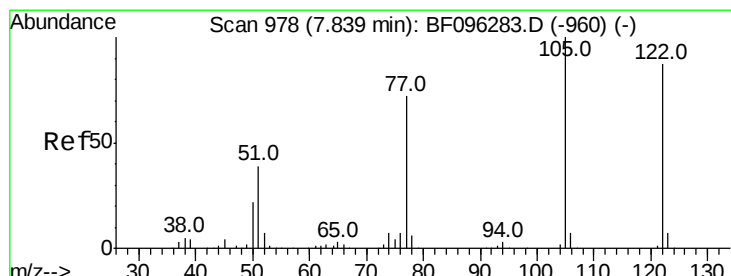
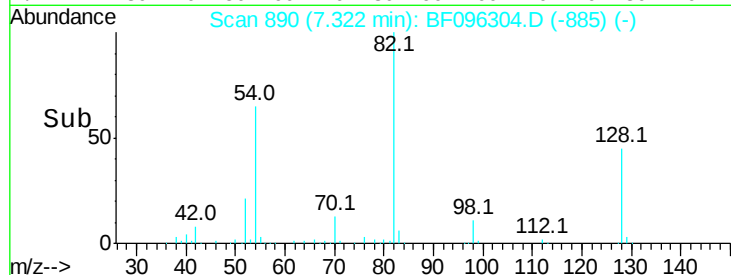
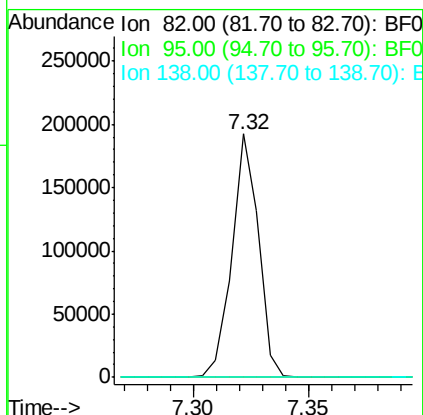
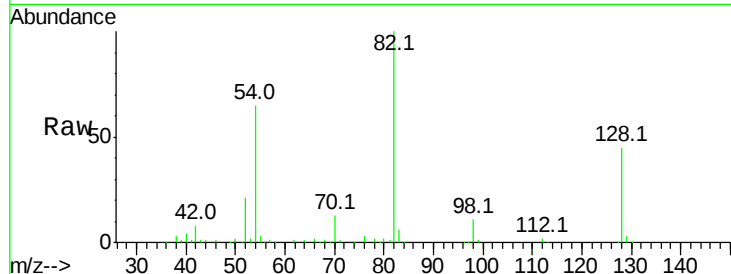
Tot Ion: 82 Resp: 153978

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 8.80 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.15 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

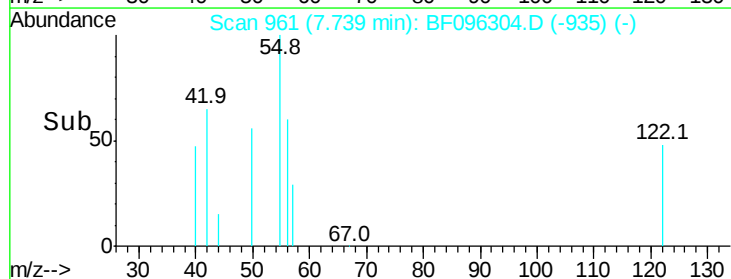
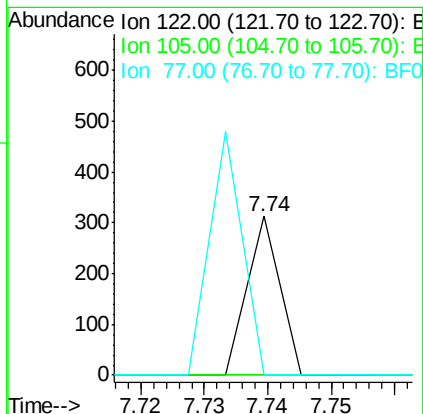
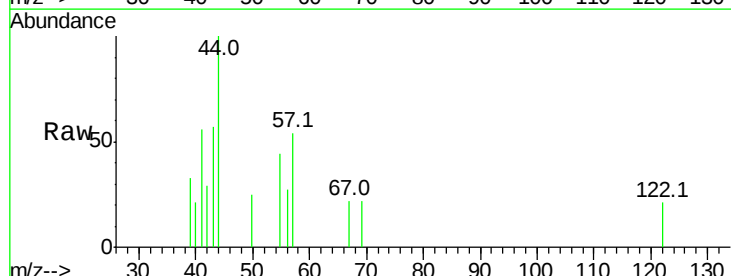
Tgt Ion:122 Resp: 110

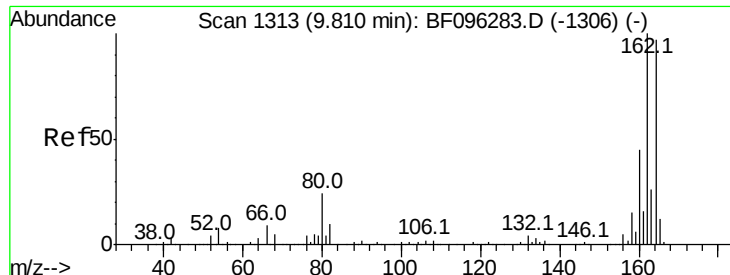
Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 0.0 73.7 113.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA_F

ClientSampleId :

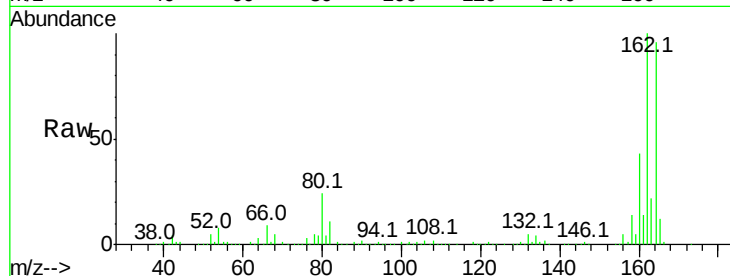
Tot Ion:164 Resp: 262538

Ion Ratio Lower Upper

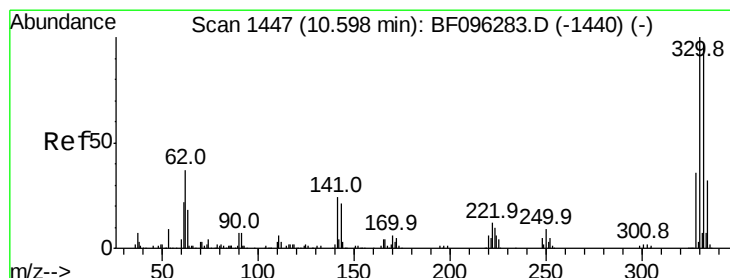
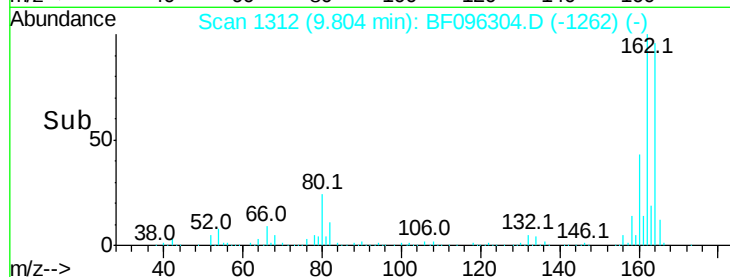
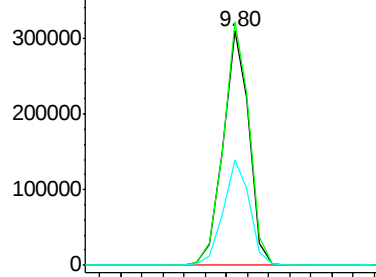
164 100

162 103.8 82.6 123.8

160 44.9 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: 6.21 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

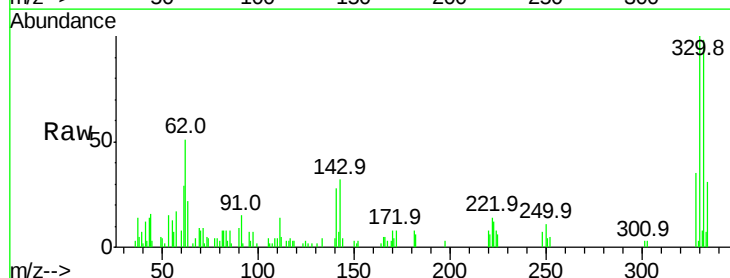
Tgt Ion:330 Resp: 12824

Ion Ratio Lower Upper

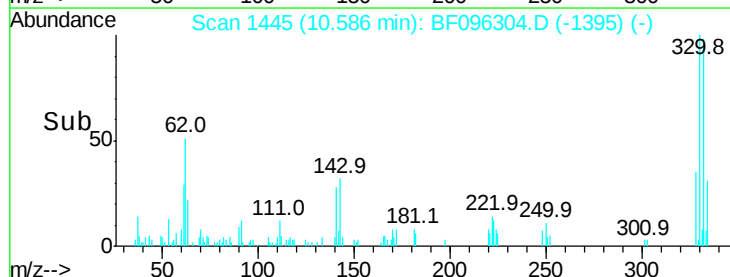
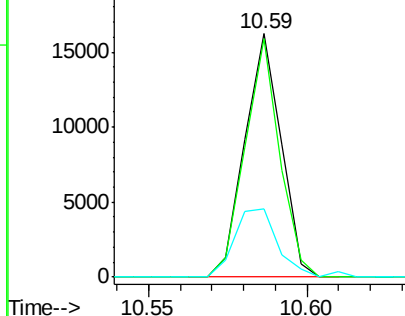
330 100

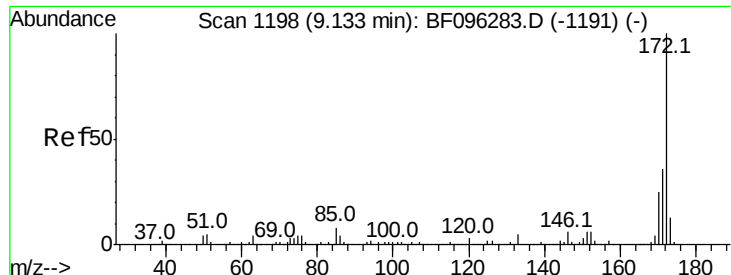
332 93.9 76.6 115.0

141 34.3 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

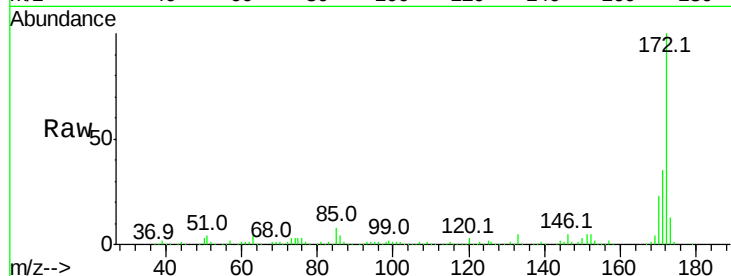




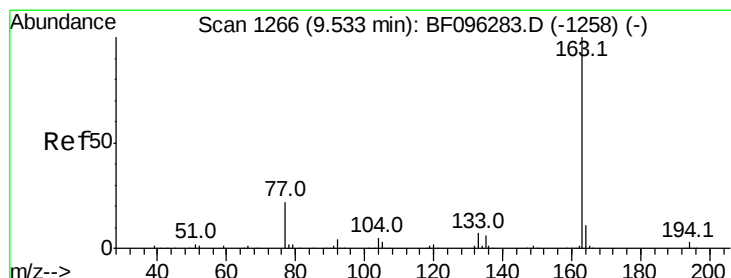
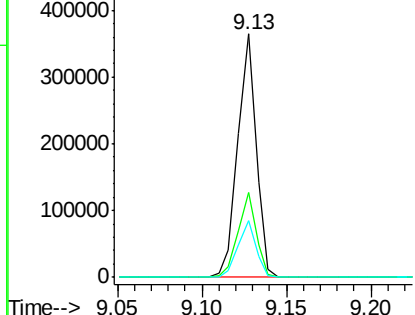
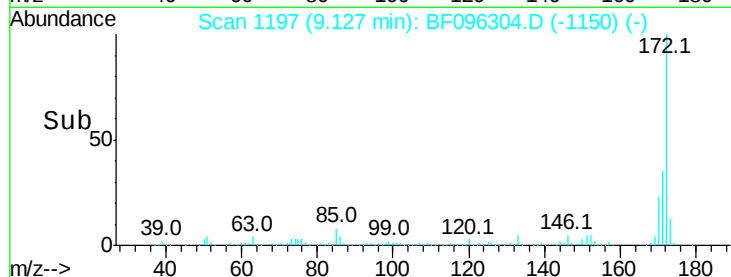
#44
2-Fluorobiphenyl
Concen: 19.35 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.5	19.8	29.8

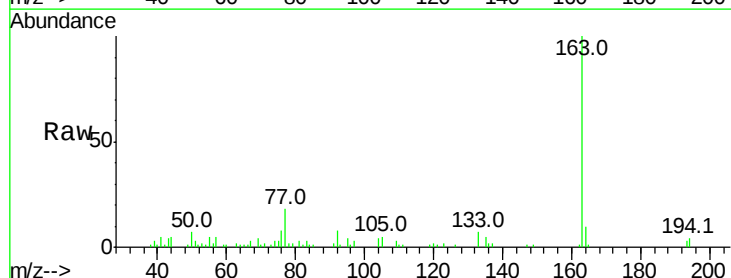


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

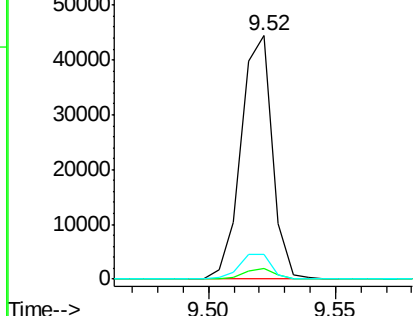
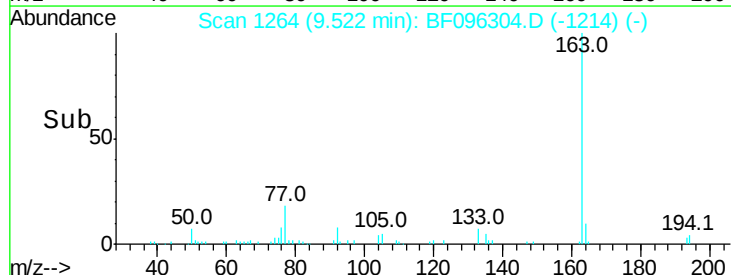


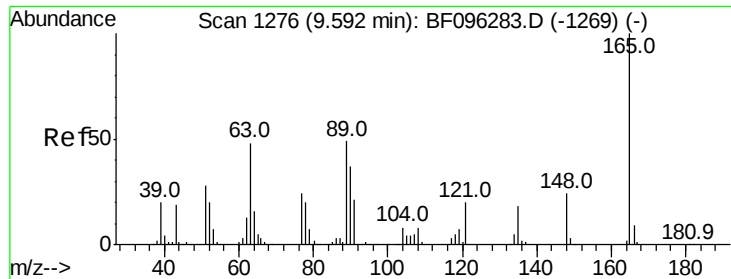
#49
Dimethylphthalate
Concen: 2.02 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	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

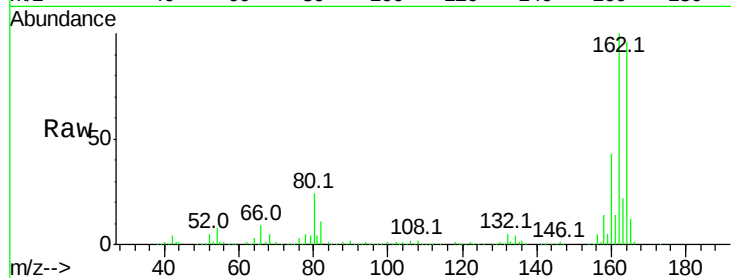




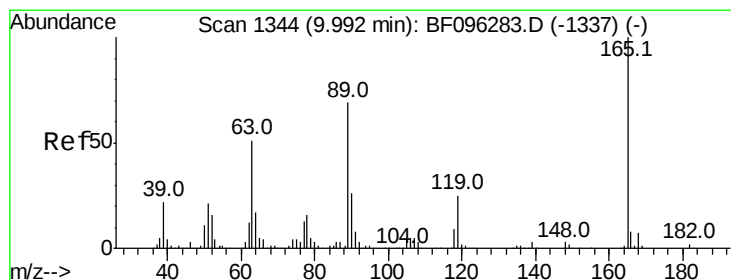
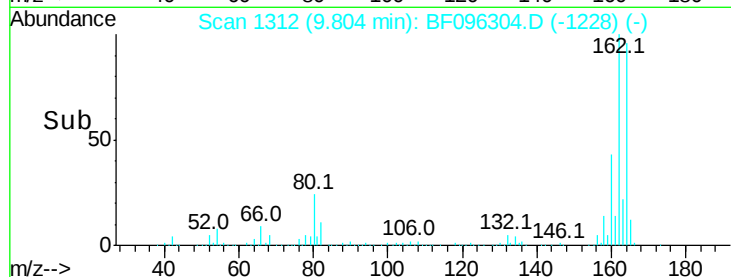
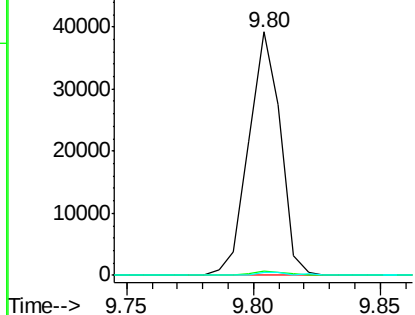
#50
 2,6-Dinitrotoluene
 Concen: 8.72 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.19 min
 Lab File: BF096304.D
 Acq: 29 Jun 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	1.4	37.1	55.7#



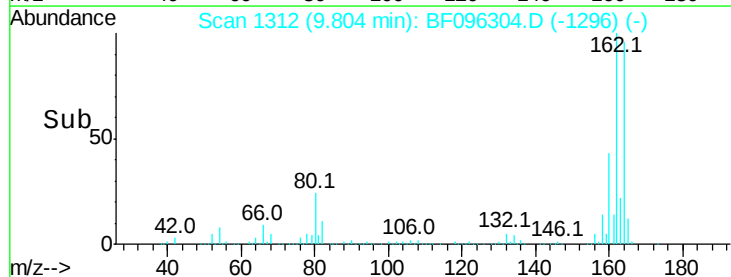
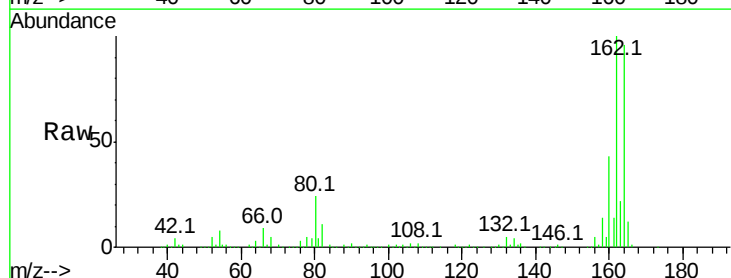
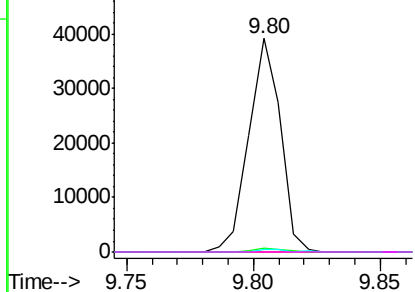
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

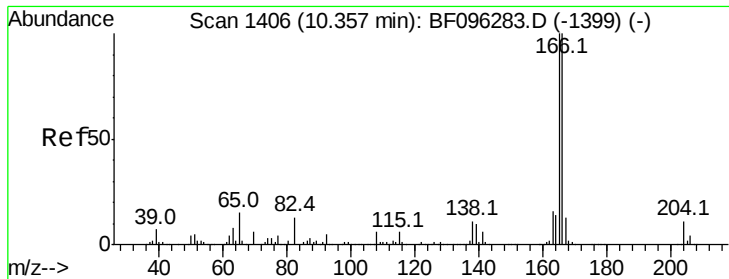


#56
 2,4-Dinitrotoluene
 Concen: 6.91 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.21 min
 Lab File: BF096304.D
 Acq: 29 Jun 2017 21:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.4	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: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA_F

ClientSampleId :

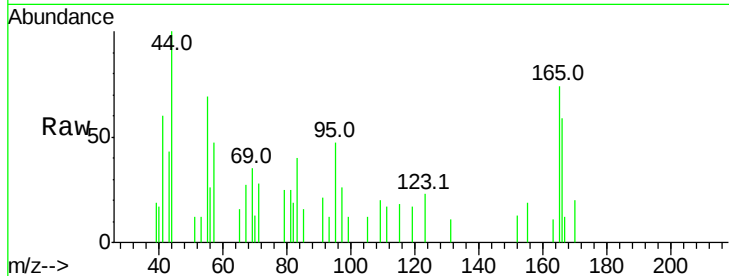
Tot Ion:166 Resp: 1470

Ion Ratio Lower Upper

166 100

165 125.0 78.8 118.2#

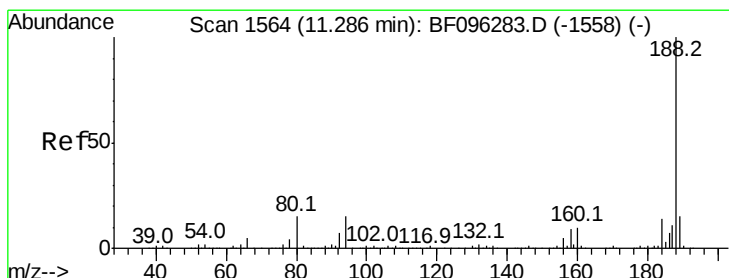
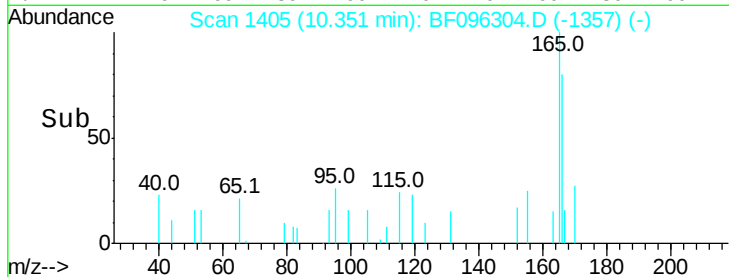
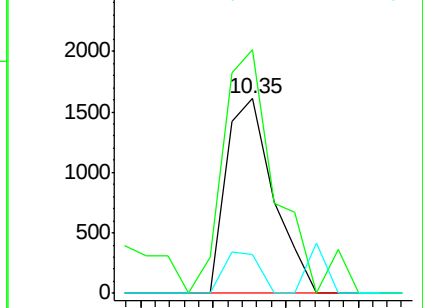
167 19.9 10.6 16.0#



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: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

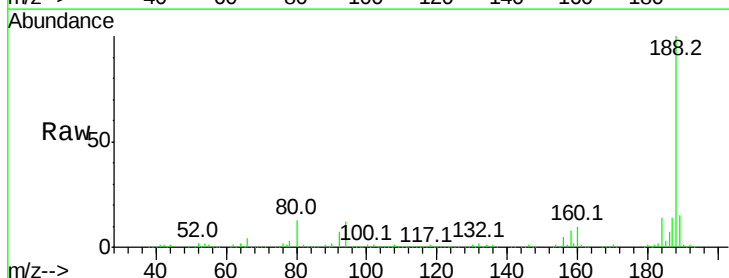
Tgt Ion:188 Resp: 359906

Ion Ratio Lower Upper

188 100

94 12.5 9.4 14.2

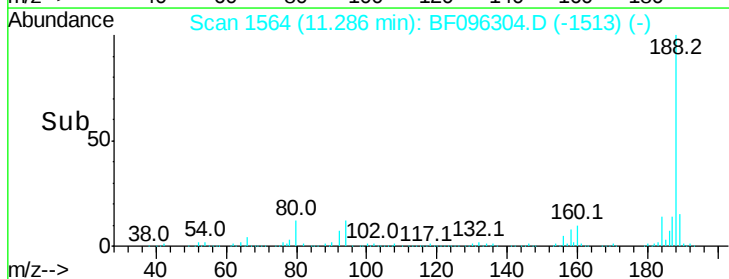
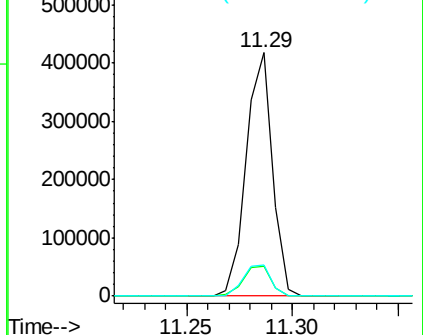
80 12.5 10.2 15.2

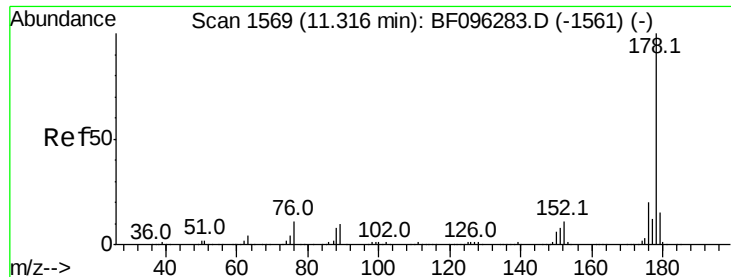


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

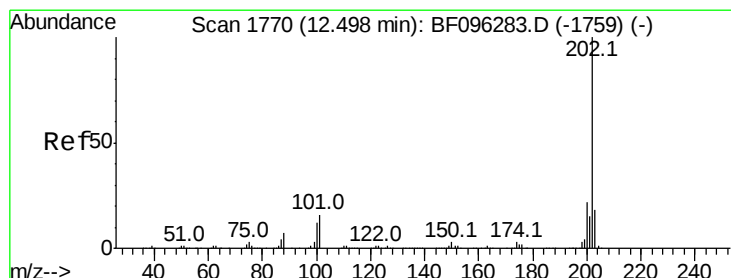
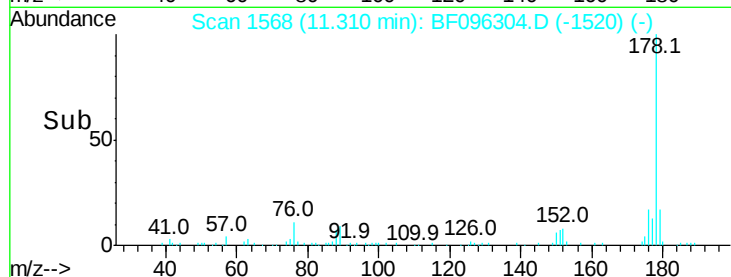
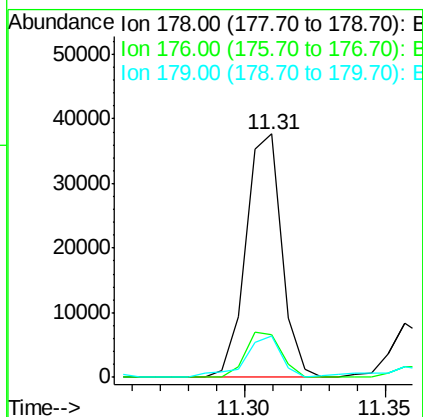
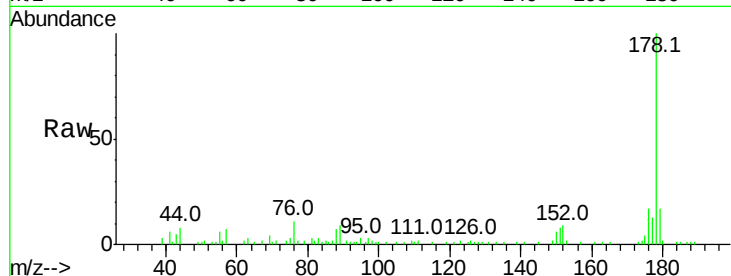




#70
Phenanthrene
Concen: Below Cal
RT: 11.31 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

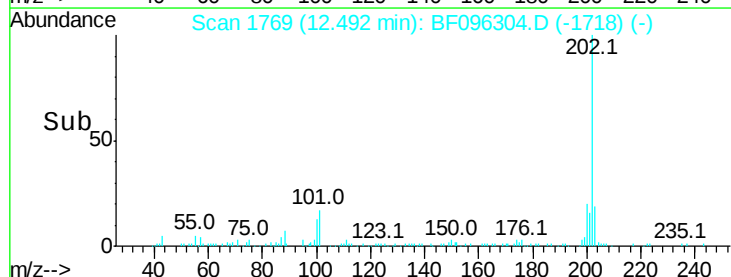
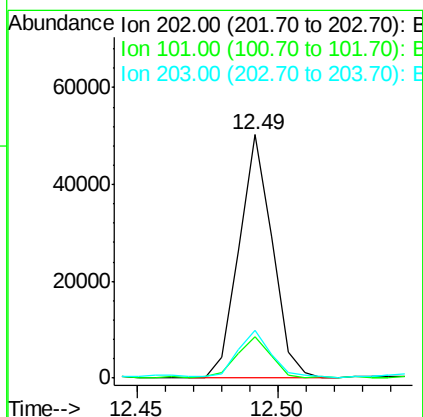
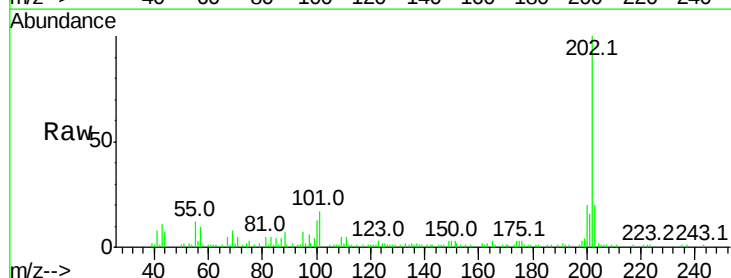
Instrument :
BNA_F
ClientSampleId :

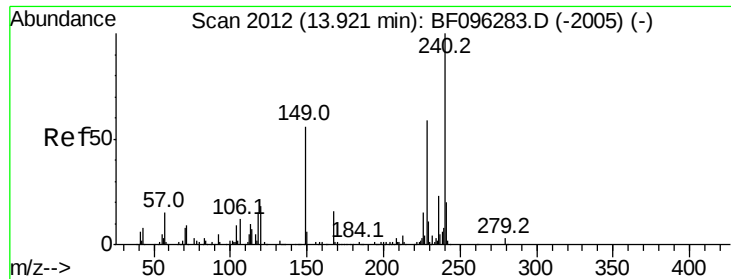
Tot Ion:178 Resp: 33168
Ion Ratio Lower Upper
178 100
176 17.3 16.2 24.4
179 17.1 12.6 19.0



#74
Fluoranthene
Concen: 2.06 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BF096304.D
Acq: 29 Jun 2017 21:03

Tgt Ion:202 Resp: 41113
Ion Ratio Lower Upper
202 100
101 16.8 0.0 33.2
203 19.6 0.0 38.1





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

Instrument :

BNA_F

ClientSampleId :

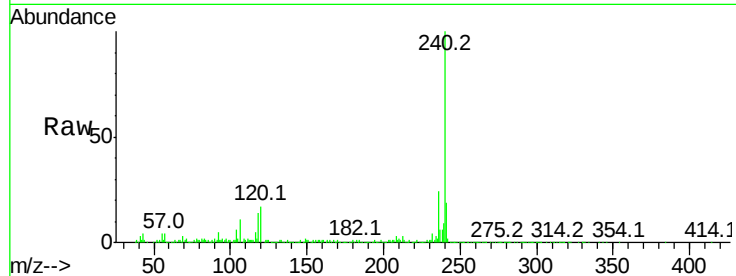
Tot Ion:240 Resp: 338655

Ion Ratio Lower Upper

240 100

120 16.7 5.8 8.8#

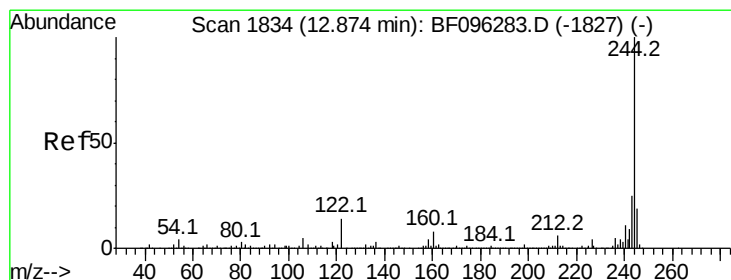
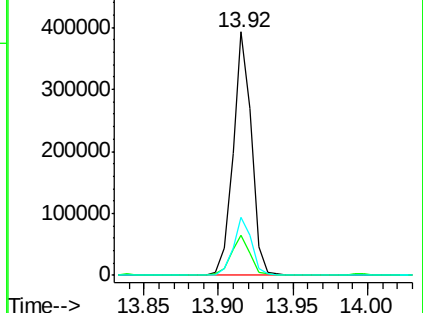
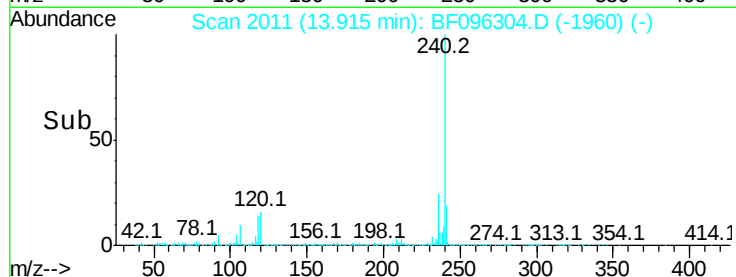
236 23.9 20.5 30.7



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: 12.60 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096304.D

Acq: 29 Jun 2017 21:03

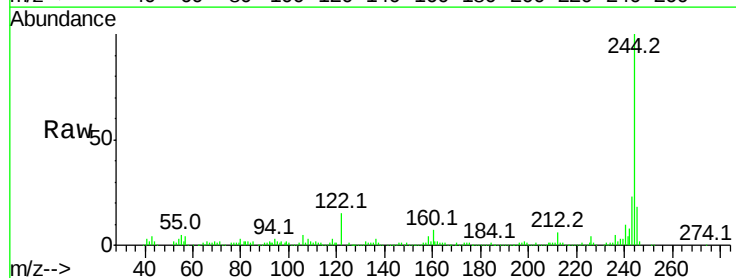
Tgt Ion:244 Resp: 171072

Ion Ratio Lower Upper

244 100

212 5.8 6.0 9.0#

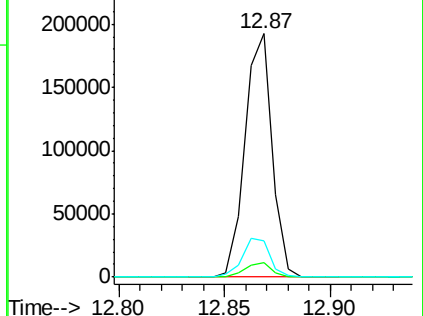
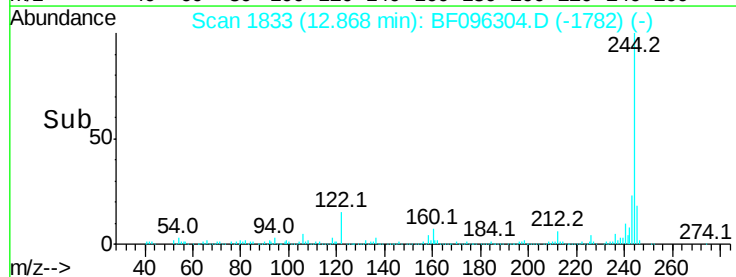
122 14.7 10.3 15.5

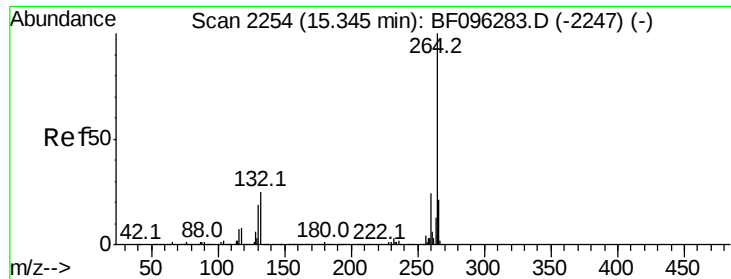


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

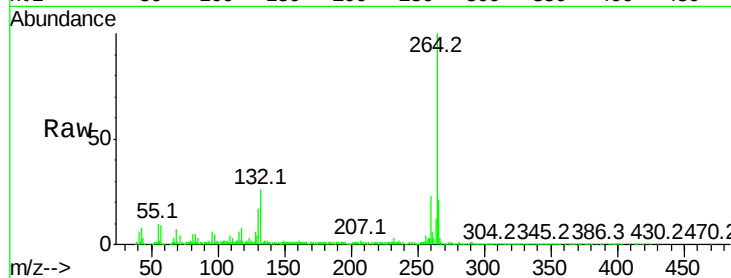




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: BF096304.D
 Acq: 29 Jun 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	21.0	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

