

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096275.D
 Acq On : 29 Jun 2017 4:08
 Operator : SJ/MA
 Sample : I3909-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 29 05:41:43 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	6.79	152	124178	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	482212	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	193325	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	314887	20.00	ng	0.01
75) Chrysene-d12	13.93	240	287360	20.00	ng	0.01
86) Perylene-d12	15.35	264	206741	20.00	ng	0.01

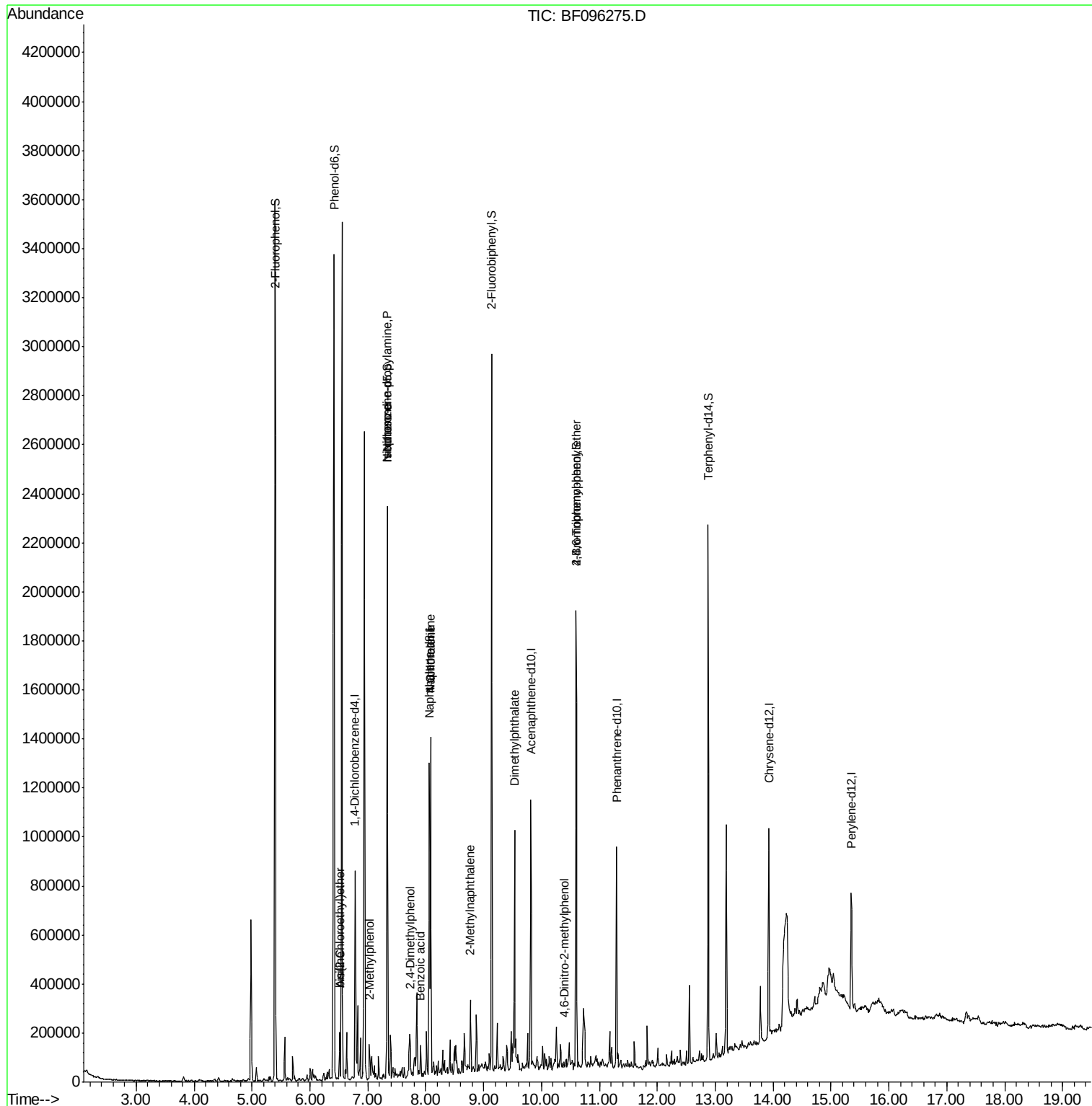
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1013639	117.60	ng	0.02
7) Phenol-d6	6.42	99	1186868	113.72	ng	0.02
23) Nitrobenzene-d5	7.34	82	642706	92.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	222040	145.94	ng	0.01
44) 2-Fluorobiphenyl	9.14	172	827246	78.36	ng	-0.01
78) Terphenyl-d14	12.88	244	637202	55.33	ng	0.01

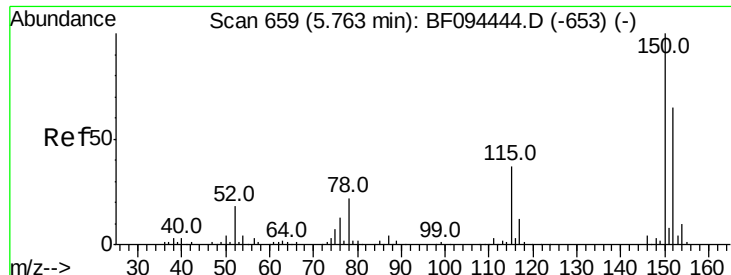
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.52	93	45225	3.14	ng	# 51
9) Benzaldehyde	6.42	77	2189	Below Cal		# 1
11) bis(2-Chloroethyl)ether	6.52	93	45225	4.82	ng	91
17) 2-Methylphenol	7.03	107	21215	2.89	ng	94
19) n-Nitroso-di-n-propylamine	7.34	70	86104	13.77	ng	# 88
25) Isophorone	7.34	82	640031	40.46	ng	# 67
27) 2,4-Dimethylphenol	7.73	122	42702	5.97	ng	91
31) Naphthalene	8.09	128	512979	22.07	ng	99
32) Benzoic acid	7.91	122	17047	11.54	ng	# 20
33) 4-Chloroaniline	8.09	127	66214	6.88	ng	# 33
37) 2-Methylnaphthalene	8.77	142	71627	4.74	ng	94
49) Dimethylphthalate	9.53	163	358513	25.91	ng	98
57) Fluorene	10.36	166	4423	Below Cal		# 78
60) 4-Chlorophenyl-phenylether	10.19	204	110	Below Cal		# 36
64) 4,6-Dinitro-2-methylphenol	10.40	198	124	8.81	ng	# 1
66) 4-Bromophenyl-phenylether	10.60	248	12122	3.74	ng	# 1
70) Phenanthrene	11.32	178	21288	Below Cal		99

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

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampled :

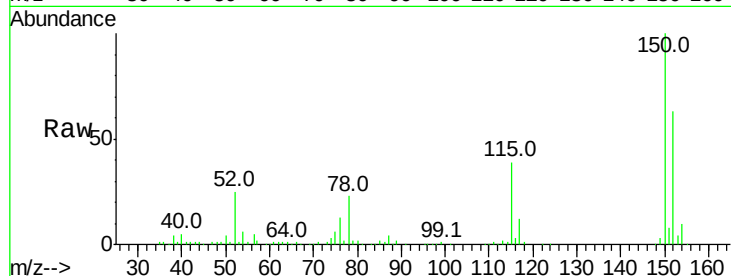
Tot Ion:152 Resp: 124178

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

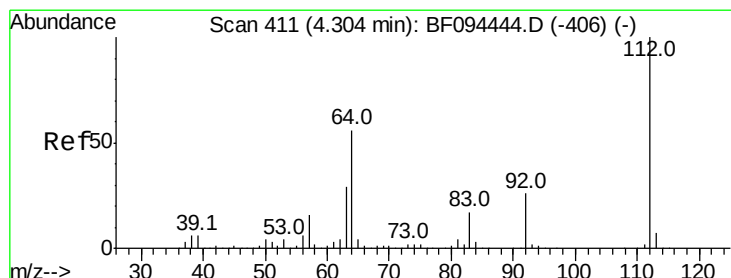
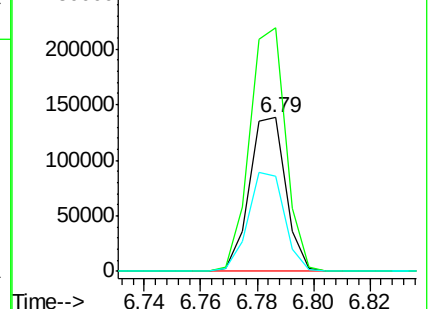
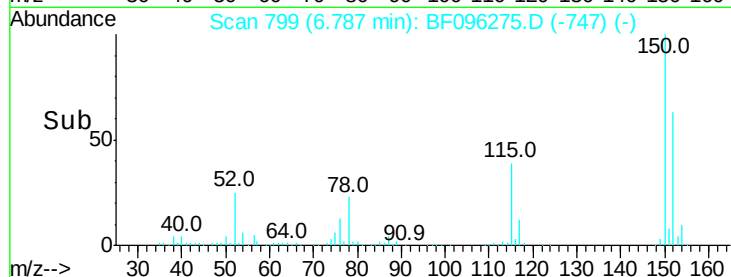
115 61.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 117.60 ng

RT: 5.40 min Scan# 563

Delta R.T. 0.02 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

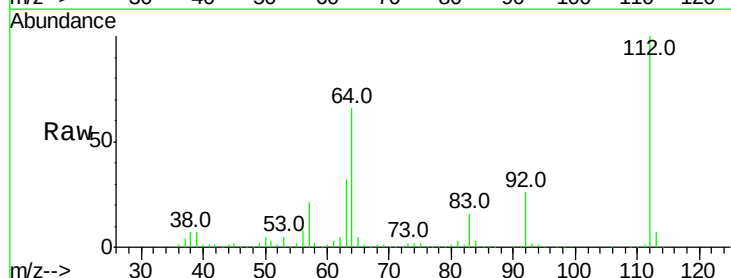
Tgt Ion:112 Resp: 1013639

Ion Ratio Lower Upper

112 100

64 65.9 46.0 69.0

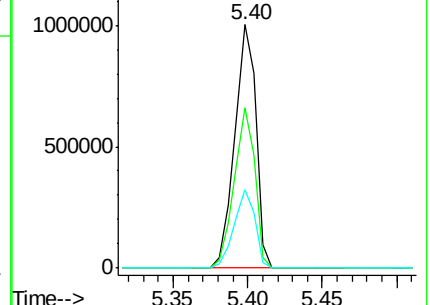
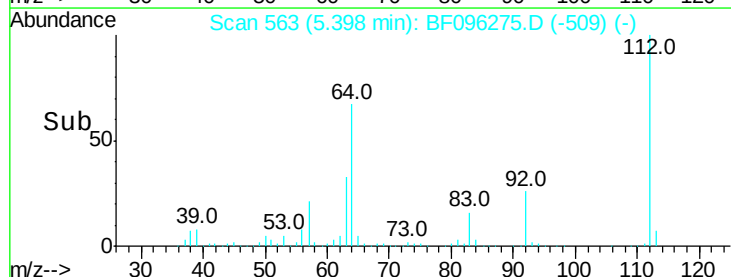
63 32.1 23.4 35.0

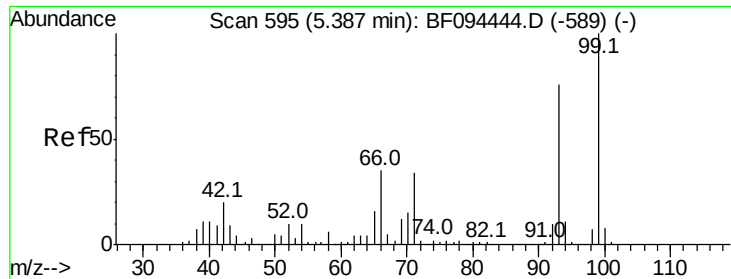


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 3.14 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.08 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

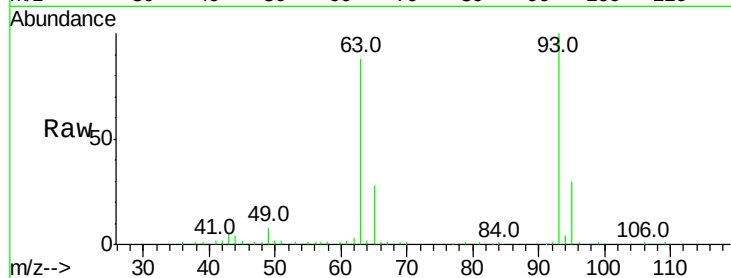
Tot Ion: 93 Resp: 45225

Ion Ratio Lower Upper

93 100

66 0.9 32.9 49.3#

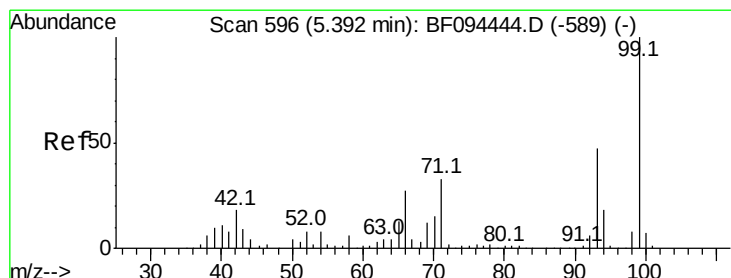
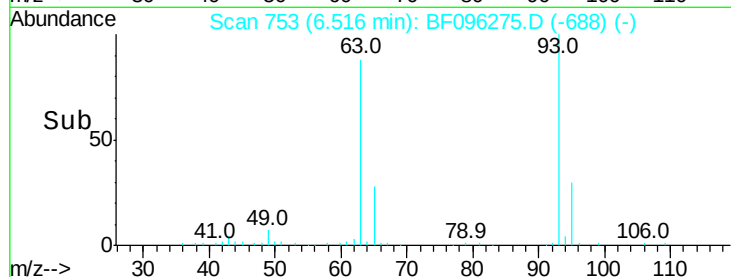
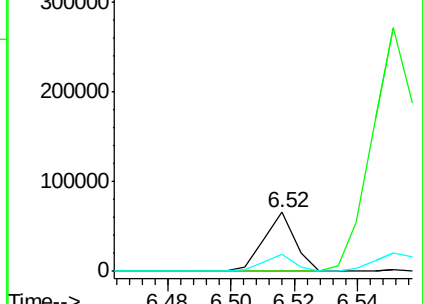
65 28.4 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 113.72 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

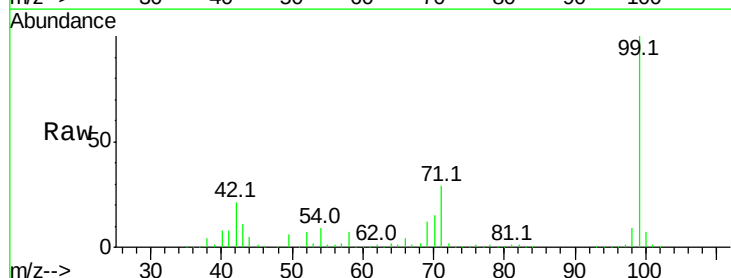
Tgt Ion: 99 Resp: 1186868

Ion Ratio Lower Upper

99 100

42 20.9 13.5 20.3#

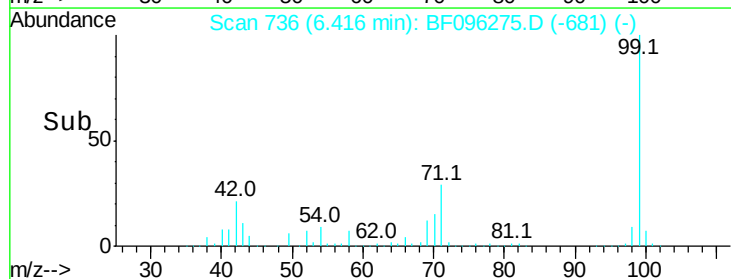
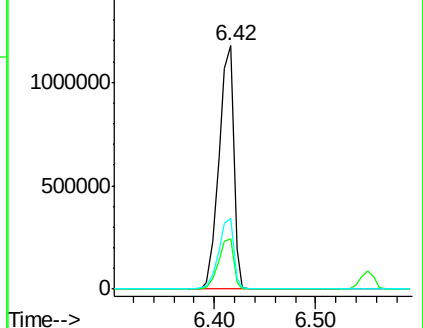
71 29.1 24.5 36.7

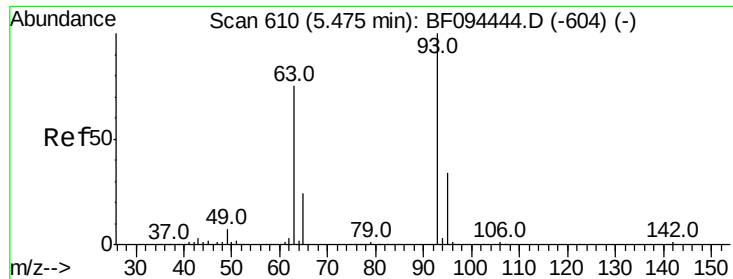


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

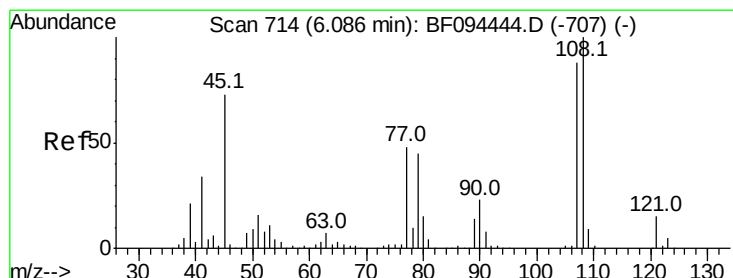
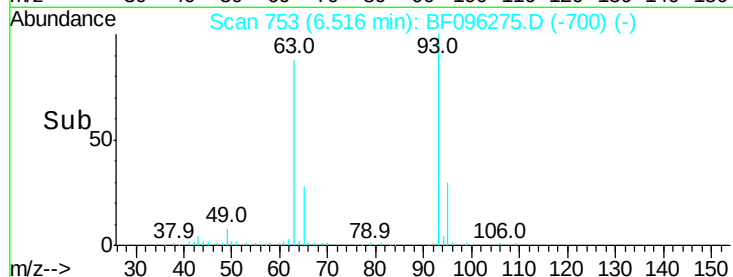
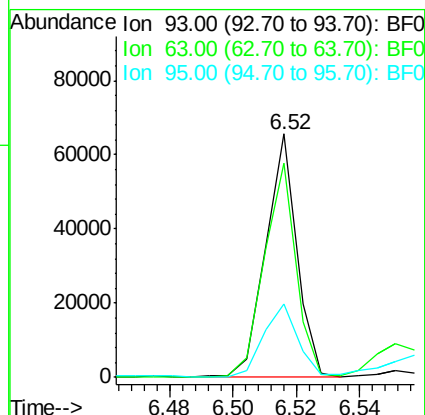
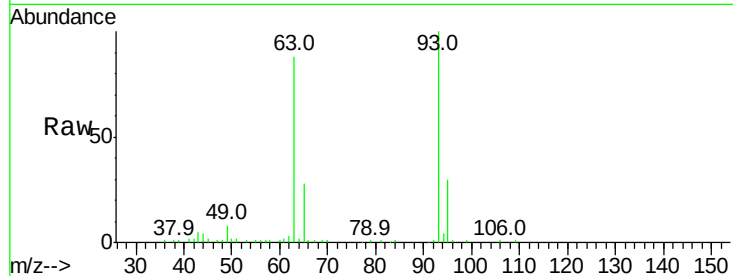




#11
bis(2-Chloroethyl)ether
Concen: 4.82 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

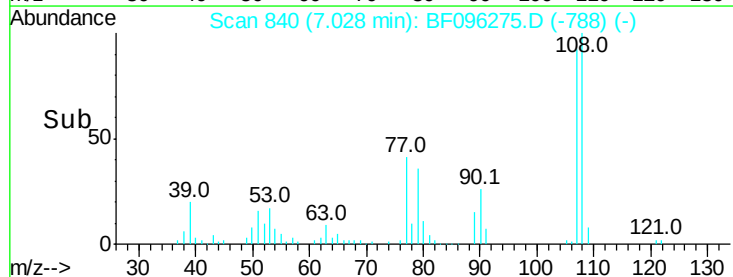
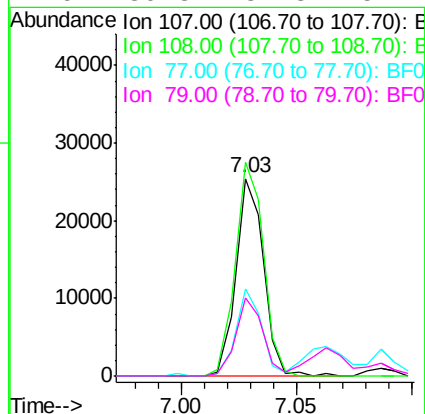
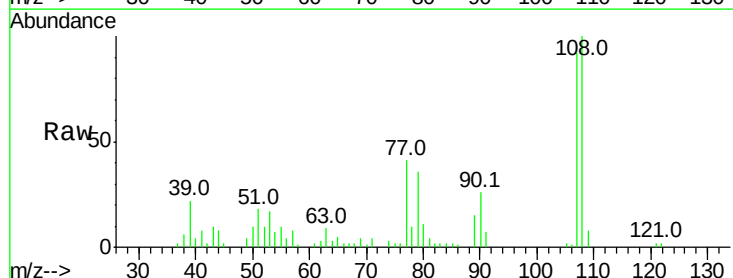
Instrument :
BNA_F
ClientSampleId :

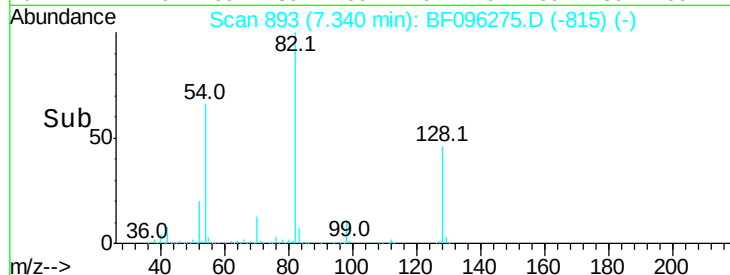
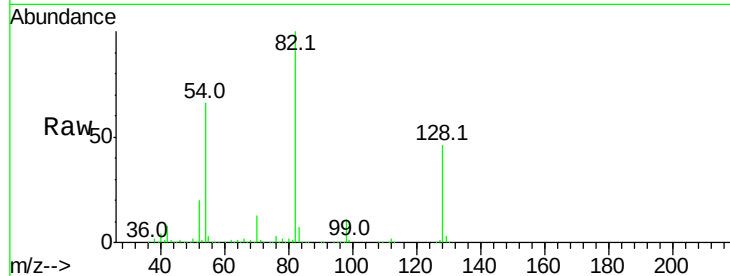
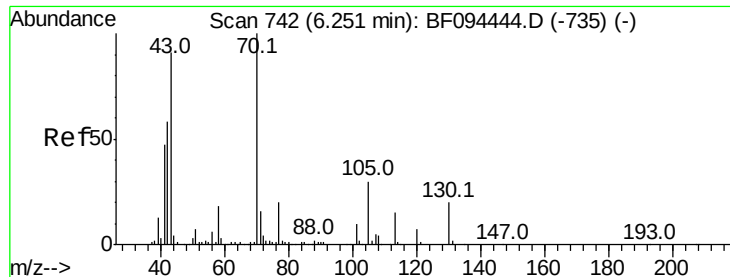
Tot Ion: 93 Resp: 45225
Ion Ratio Lower Upper
93 100
63 88.2 59.2 99.2
95 30.3 12.8 52.8



#17
2-Methylphenol
Concen: 2.89 ng
RT: 7.03 min Scan# 840
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion: 107 Resp: 21215
Ion Ratio Lower Upper
107 100
108 108.1 93.4 140.0
77 44.4 35.8 53.6
79 39.3 34.8 52.2

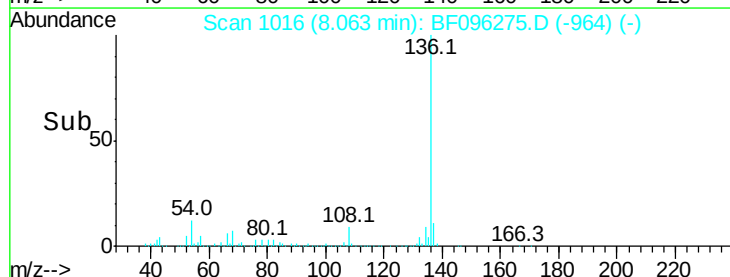
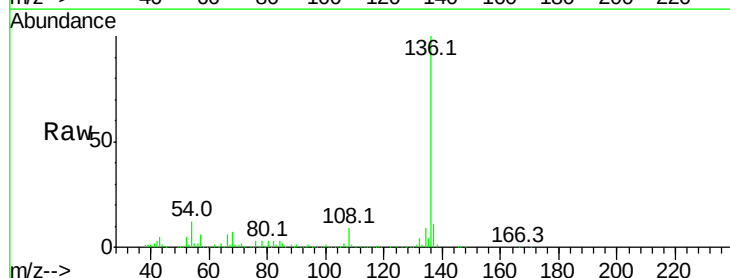
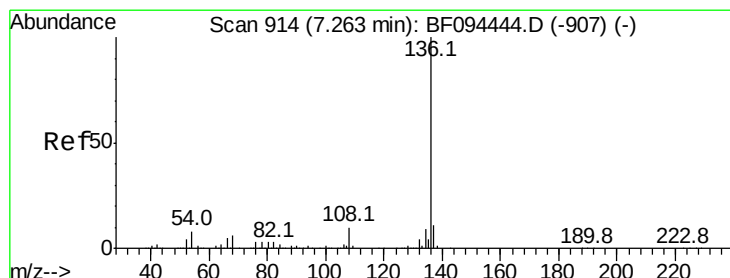
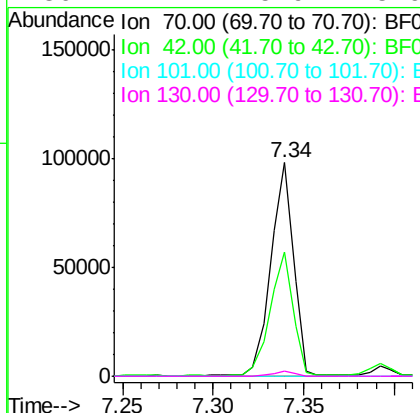




#19
n-Nitroso-di-n-propylamine
Concen: 13.77 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.16 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

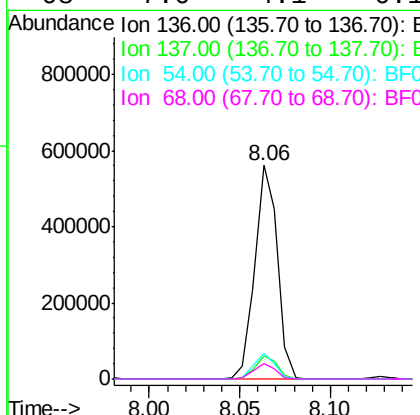
Instrument :
BNA_F
ClientSampleId :

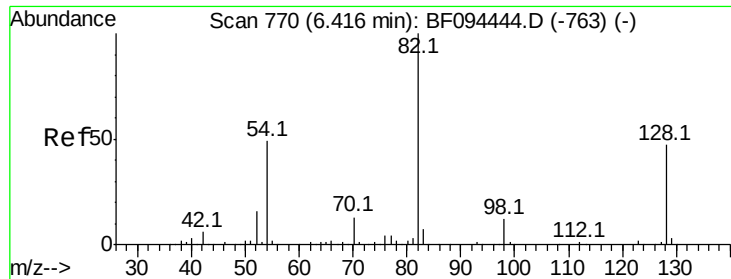
Tot Ion: 70 Resp: 86104
Ion Ratio Lower Upper
70 100
42 58.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion:136 Resp: 482212
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.8 4.9 7.3#
68 7.0 4.1 6.1#

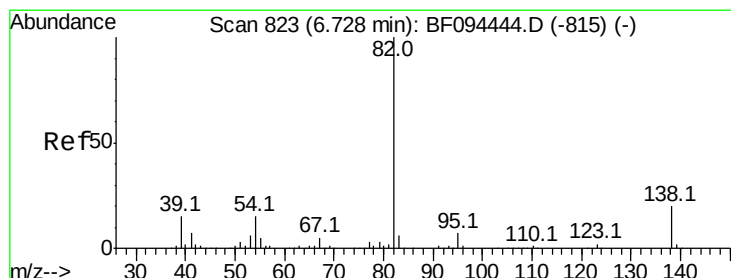
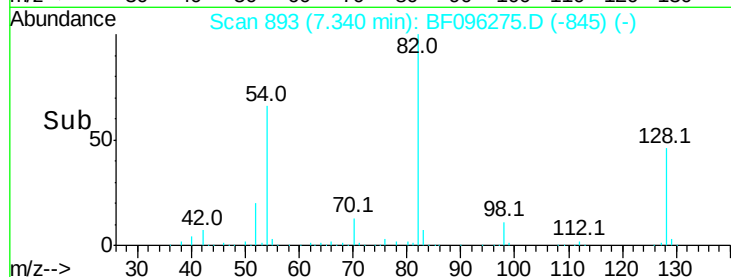
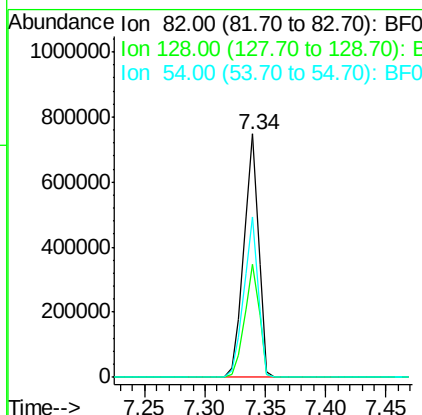
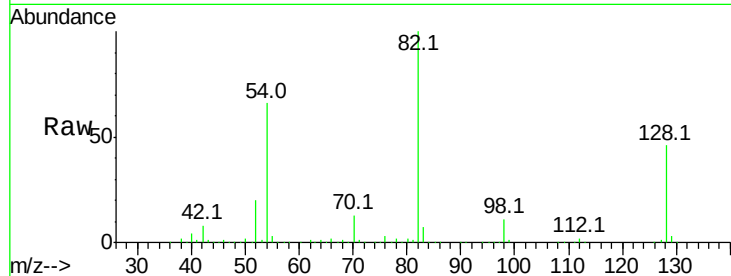




#23
 Nitrobenzene-d5
 Concen: 92.27 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

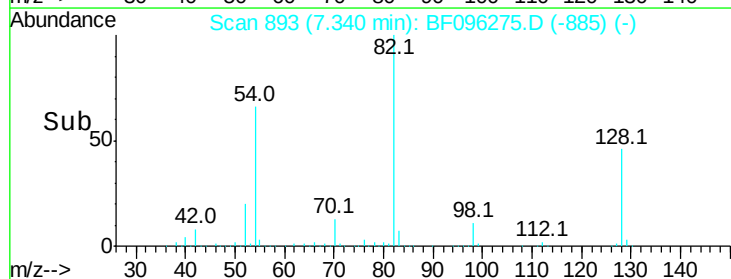
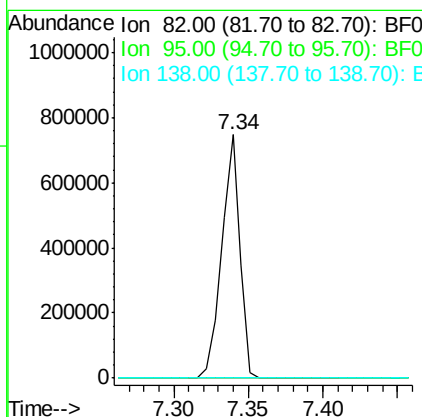
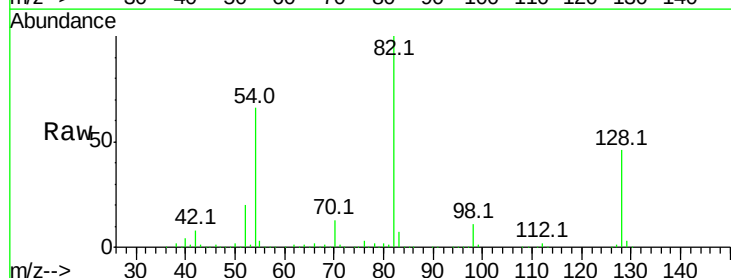
Instrument :
 BNA_F
 ClientSampleId :

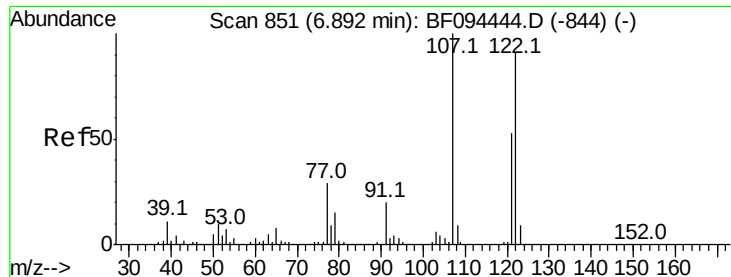
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	65.7	42.2	63.2#



#25
 Isophorone
 Concen: 40.46 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.25 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#

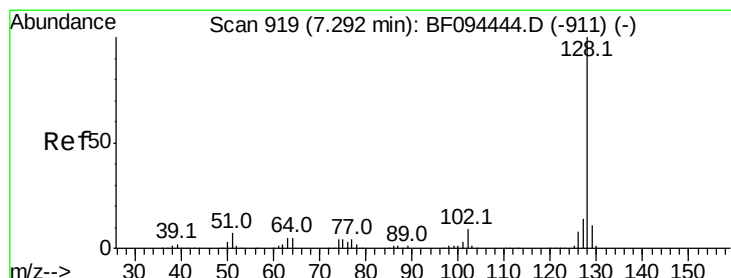
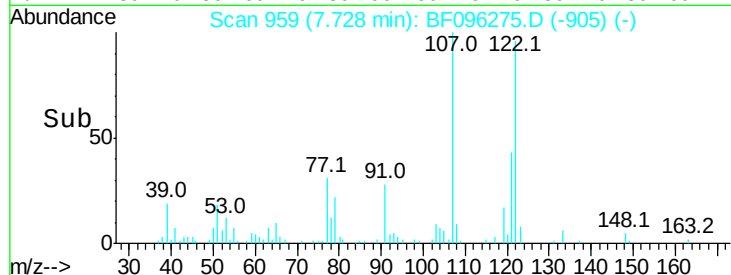
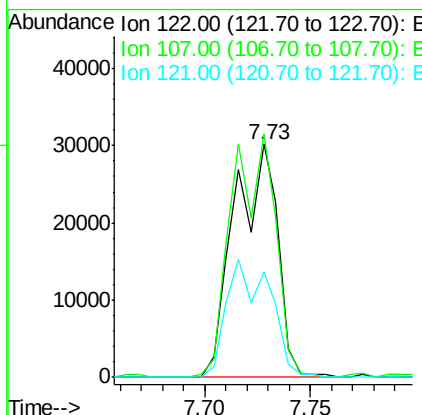
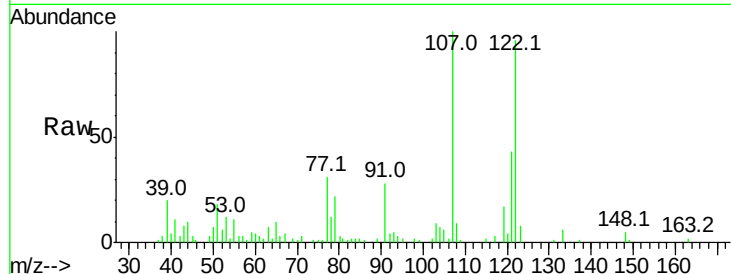




#27
 2,4-Dimethylphenol
 Concen: 5.97 ng
 RT: 7.73 min Scan# 959
 Delta R.T. 0.02 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

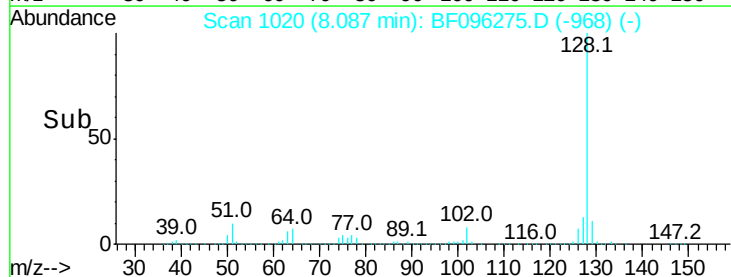
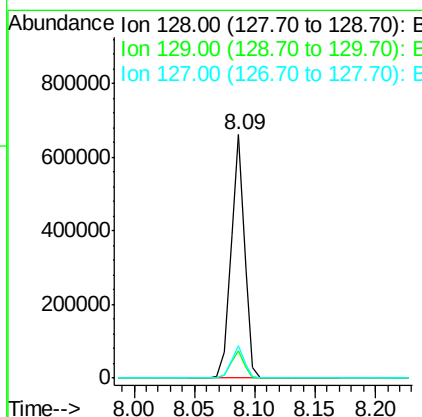
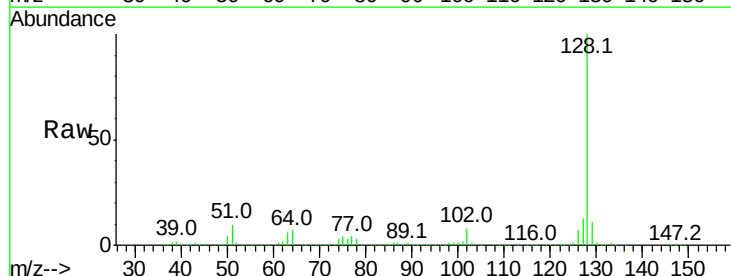
Instrument :
 BNA_F
 ClientSampleId :

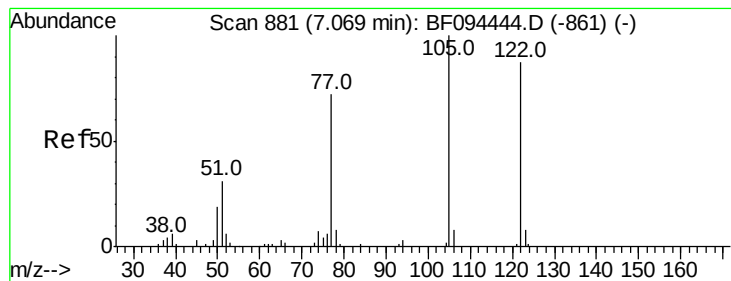
Tot Ion:	122	Resp:	42702
Ion	Ratio	Lower	Upper
122	100		
107	104.6	89.2	133.8
121	45.3	45.2	67.8



#31
 Naphthalene
 Concen: 22.07 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion:	128	Resp:	512979
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.3	10.8	16.2





#32

Benzoic acid

Concen: 11.54 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.02 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampled :

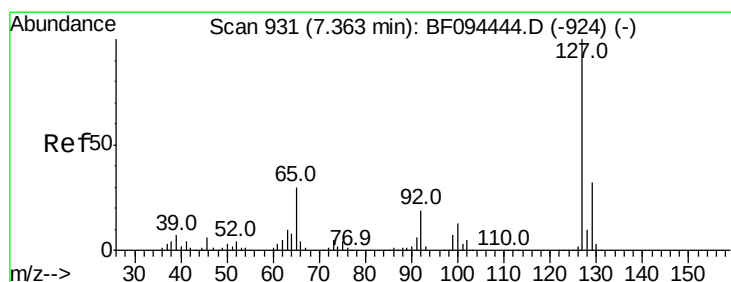
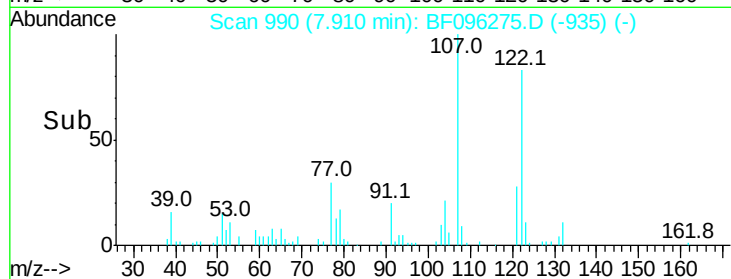
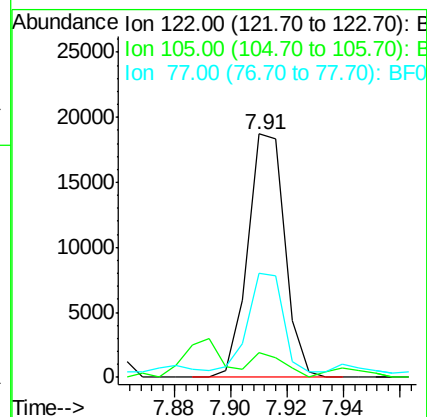
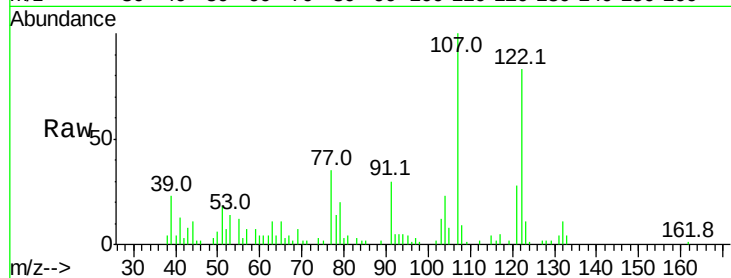
Tot Ion:122 Resp: 17047

Ion Ratio Lower Upper

122 100

105 9.9 103.3 143.3#

77 42.9 73.7 113.7#



#33

4-Chloroaniline

Concen: 6.88 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Tgt Ion:127 Resp: 66214

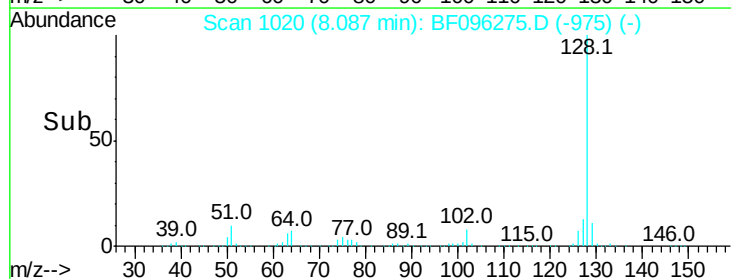
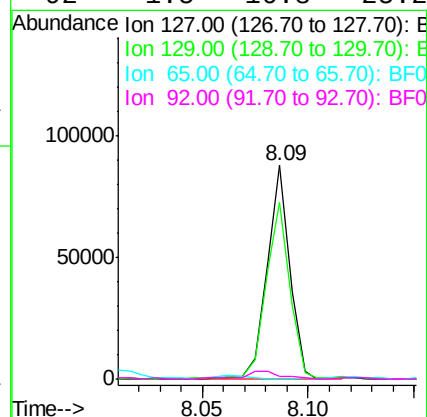
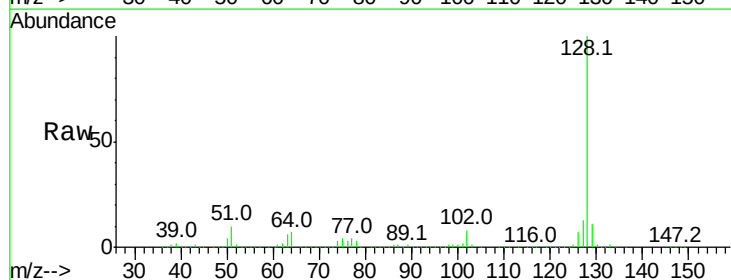
Ion Ratio Lower Upper

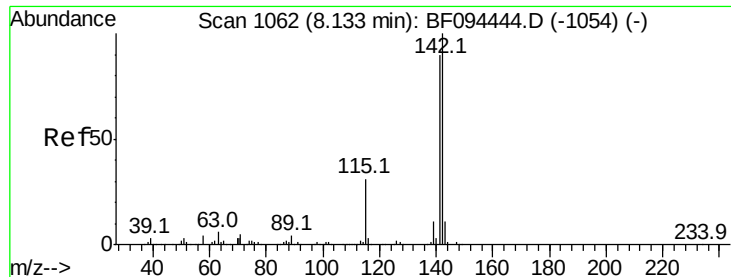
127 100

129 83.0 26.2 39.2#

65 0.0 27.8 41.8#

92 1.5 16.8 25.2#

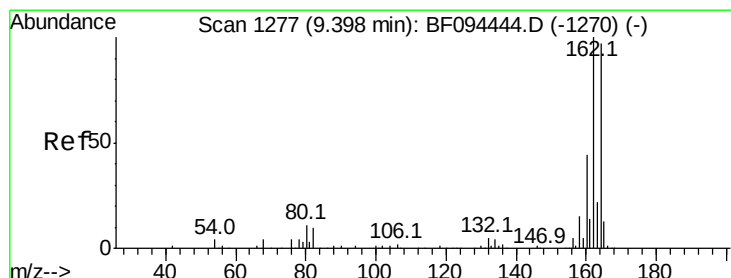
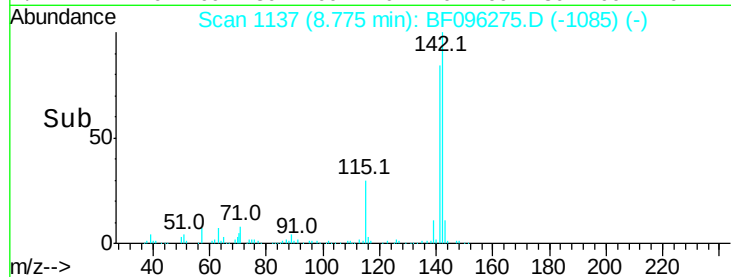
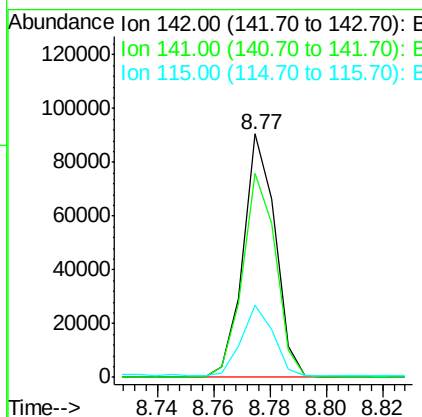
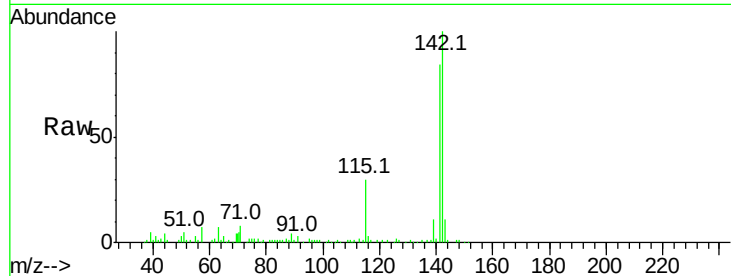




#37
 2-Methylnaphthalene
 Concen: 4.74 ng
 RT: 8.77 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

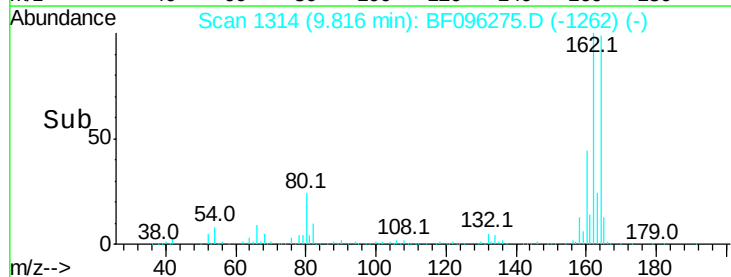
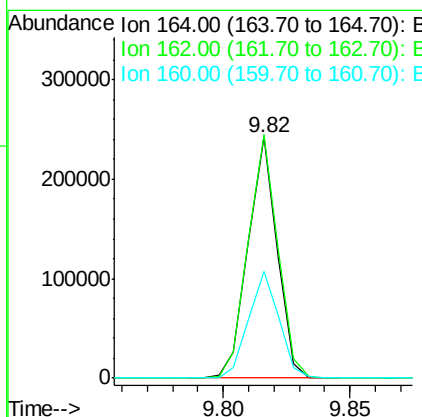
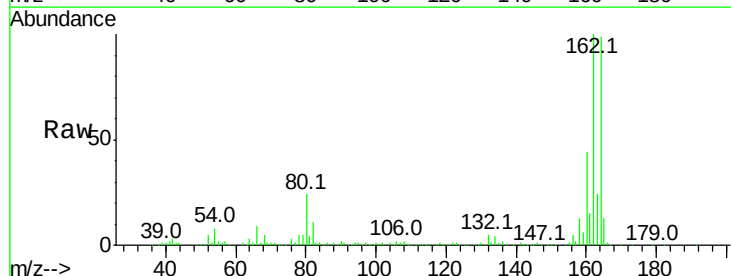
Instrument :
 BNA_F
 ClientSampleId :

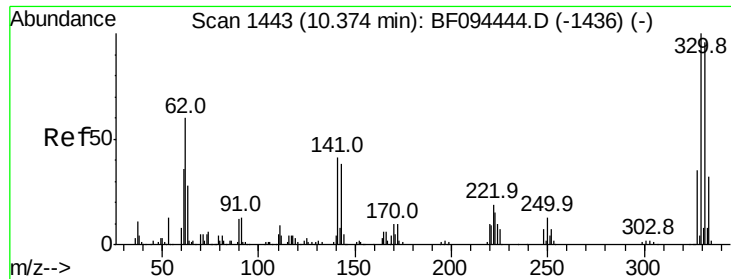
Tot Ion	Ratio	Lower	Upper
142	100		
141	83.9	71.3	106.9
115	29.6	27.1	40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	44.6	36.2	54.2

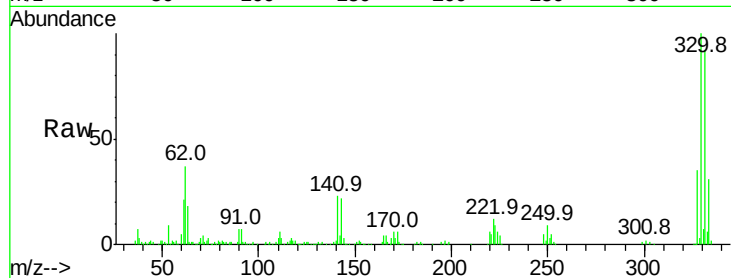




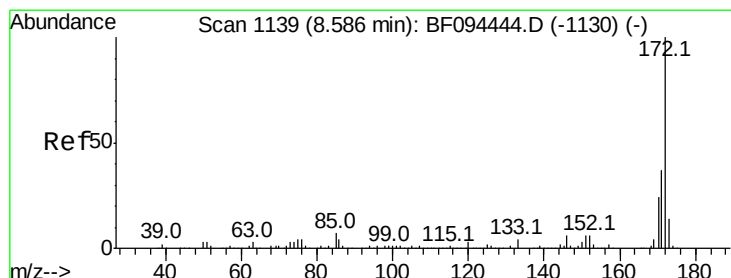
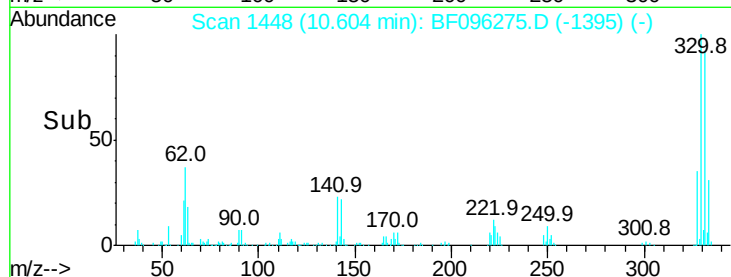
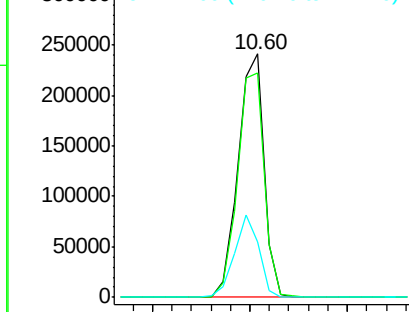
#41
 2,4,6-Tribromophenol
 Concen: 145.94 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 222040
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 32.5 31.4 47.2

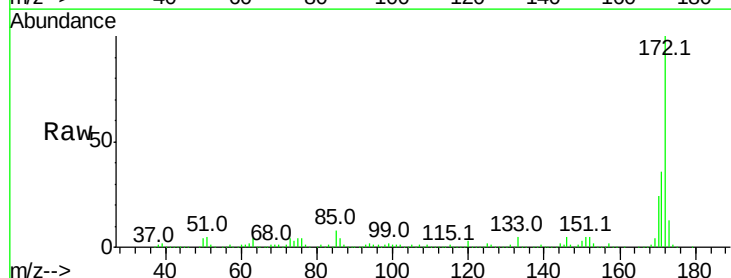


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

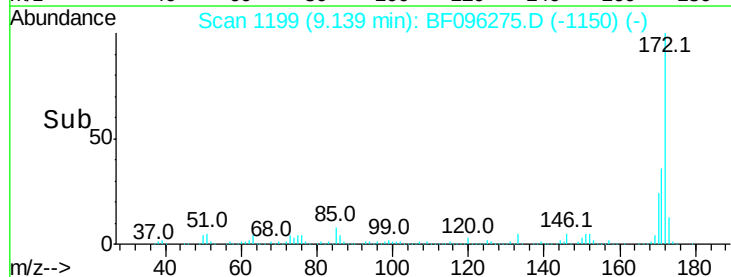
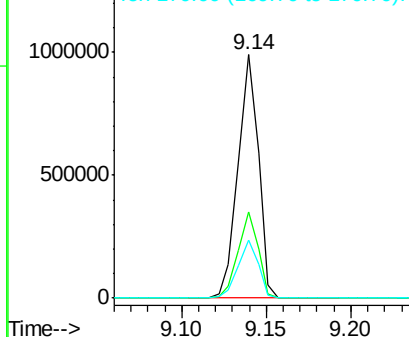


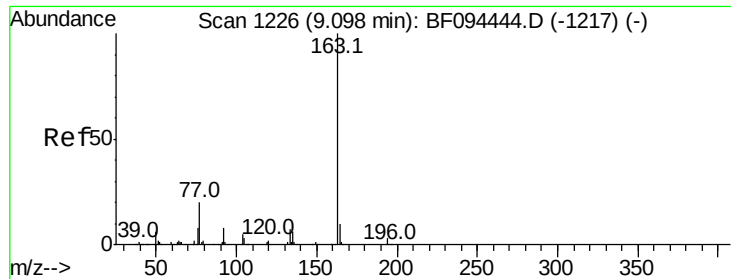
#44
 2-Fluorobiphenyl
 Concen: 78.36 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion:172 Resp: 827246
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.9 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: 25.91 ng

RT: 9.53 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampled :

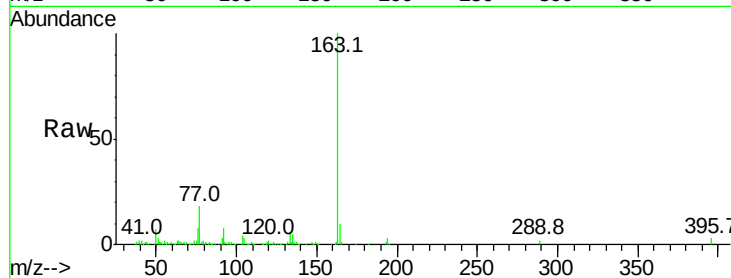
Tot Ion:163 Resp: 358513

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

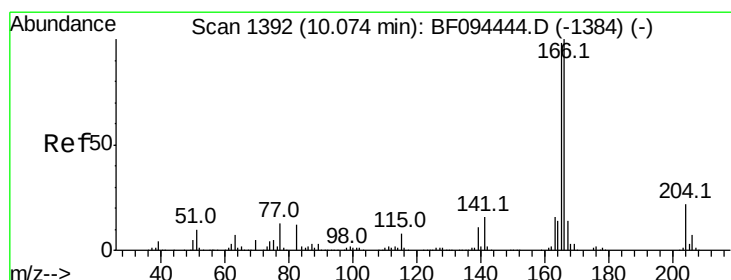
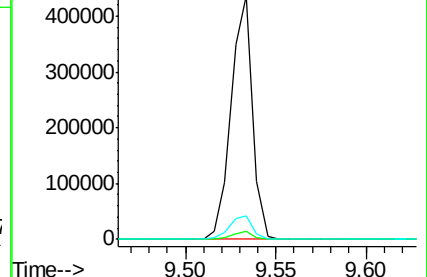
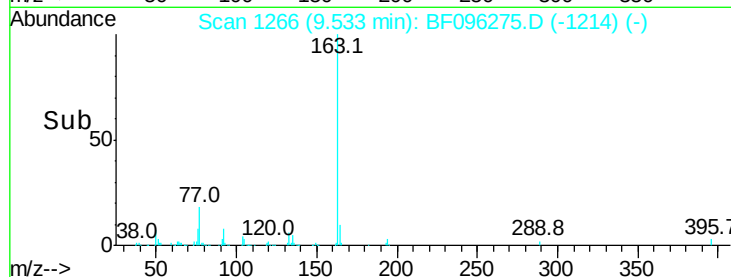
164 9.7 8.4 12.6



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



#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

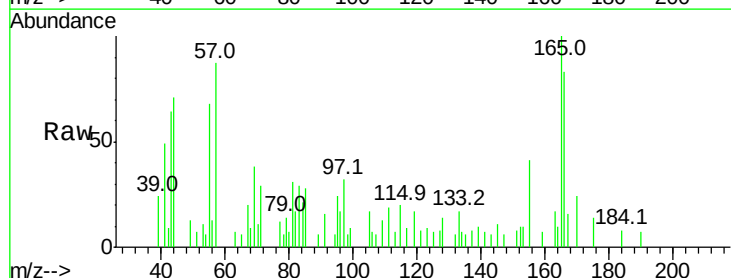
Tgt Ion:166 Resp: 4423

Ion Ratio Lower Upper

166 100

165 121.0 78.8 118.2#

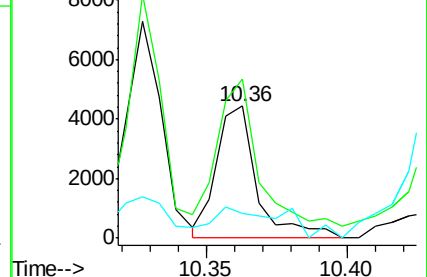
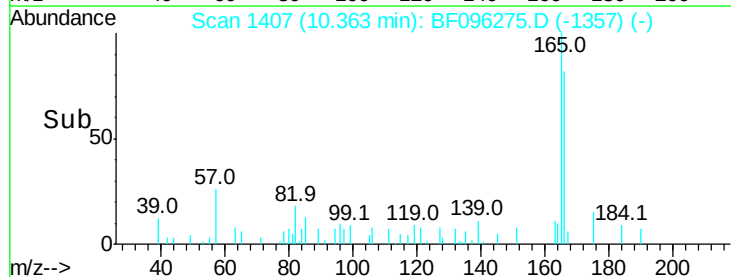
167 18.8 10.6 16.0#

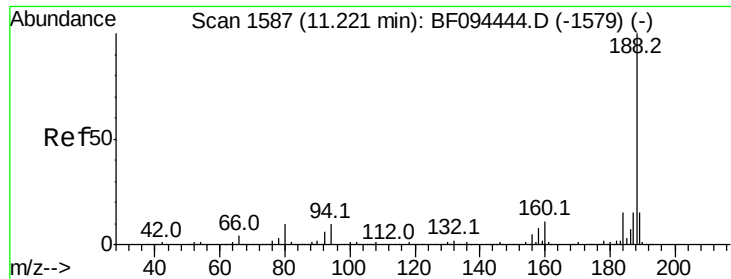


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

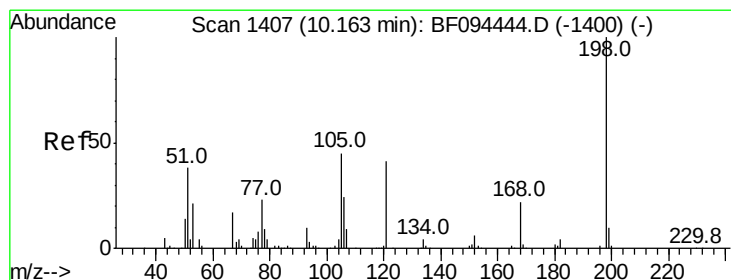
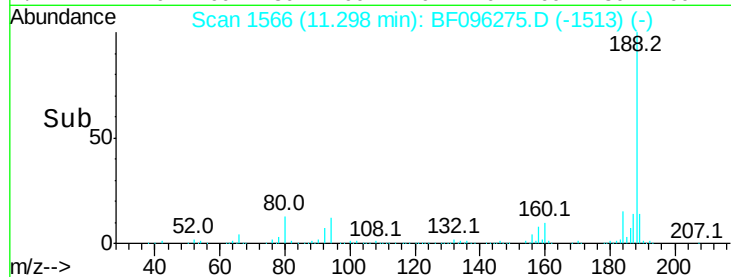
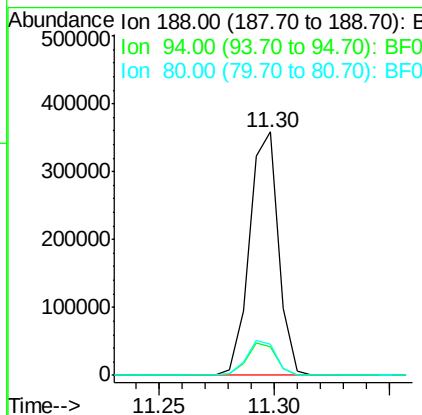
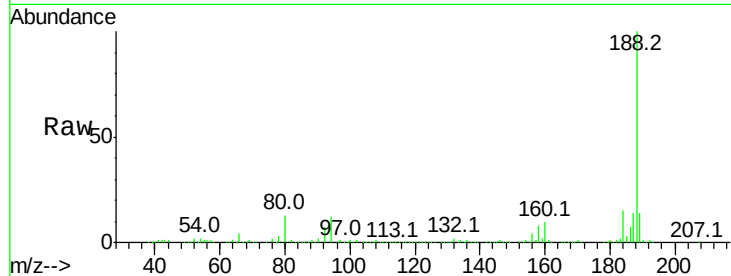




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

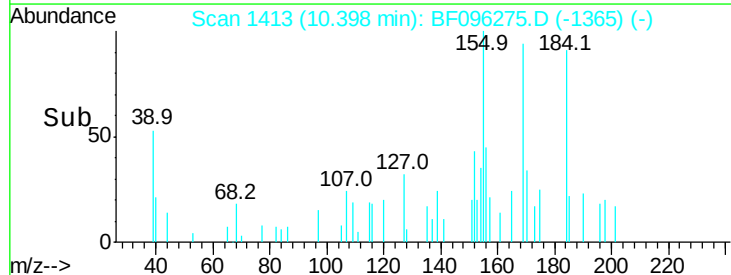
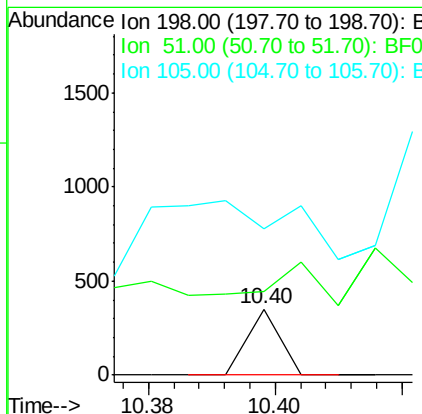
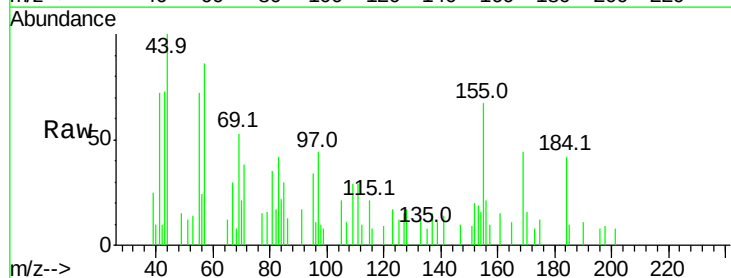
Instrument :
 BNA_F
 ClientSampled :

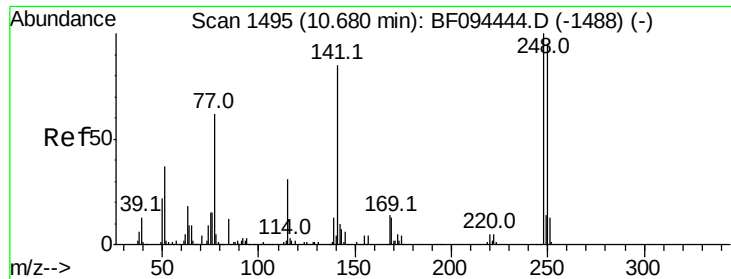
Tot Ion	Ratio	Lower	Upper
188	100		
94	11.9	9.4	14.2
80	13.0	10.2	15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.81 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.02 min
 Lab File: BF096275.D
 Acq: 29 Jun 2017 4:08

Tgt Ion	Ratio	Lower	Upper
198	100		
51	127.4	53.2	93.2#
105	220.8	45.8	85.8#

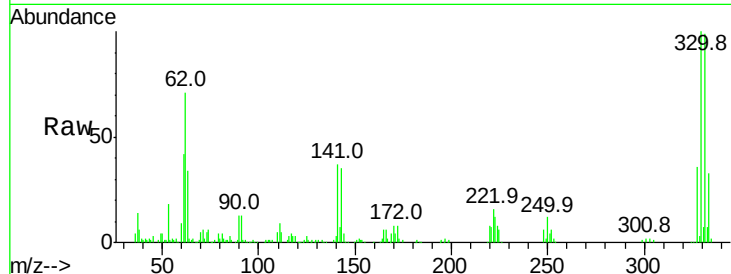




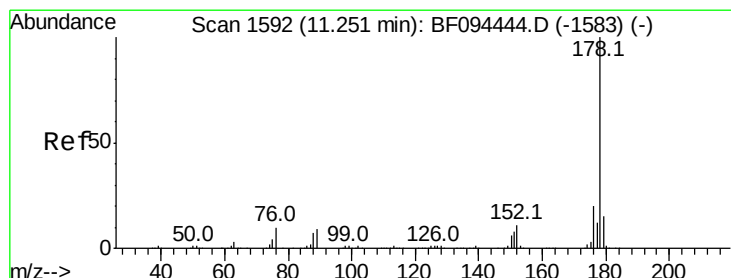
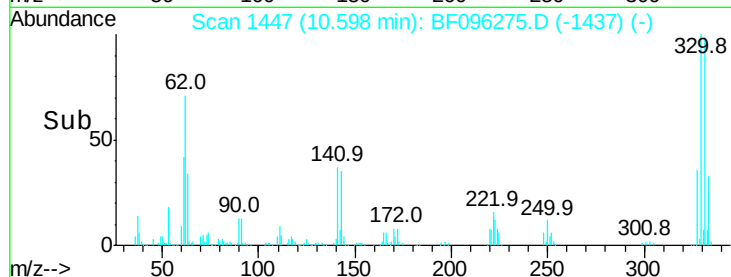
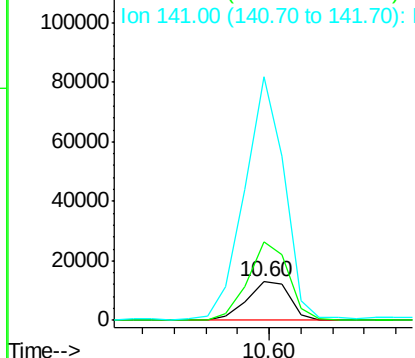
#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.24 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12122
Ion Ratio Lower Upper
248 100
250 204.1 76.8 115.2#
141 635.5 68.6 103.0#

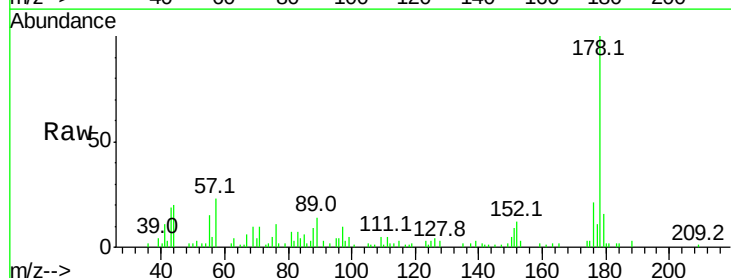


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

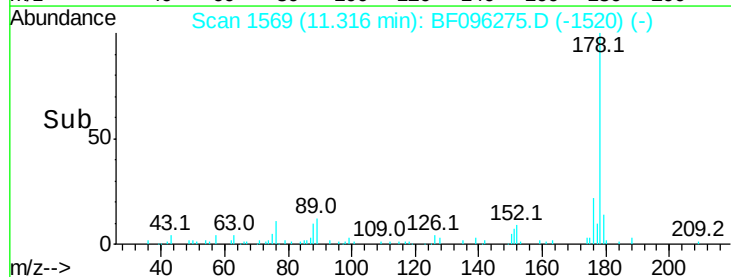
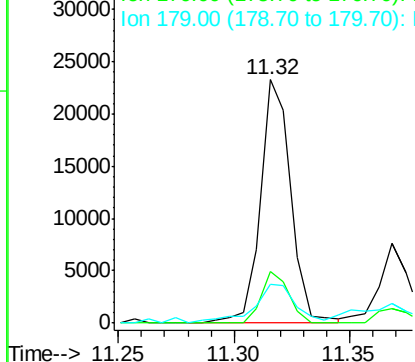


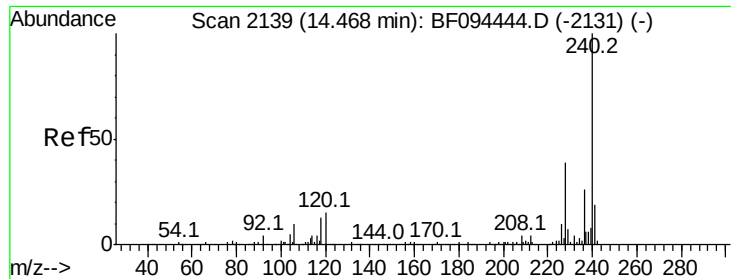
#70
Phenanthrene
Concen: Below Cal
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF096275.D
Acq: 29 Jun 2017 4:08

Tgt Ion:178 Resp: 21288
Ion Ratio Lower Upper
178 100
176 21.2 16.2 24.4
179 16.2 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

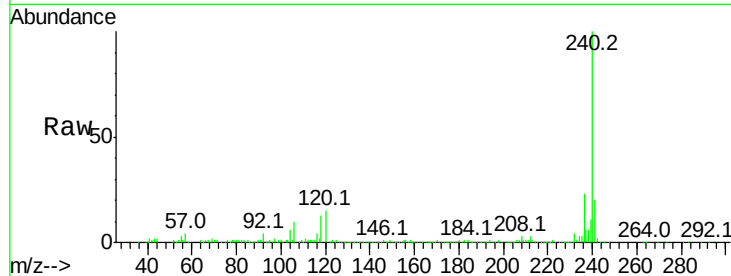
Tot Ion:240 Resp: 287360

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

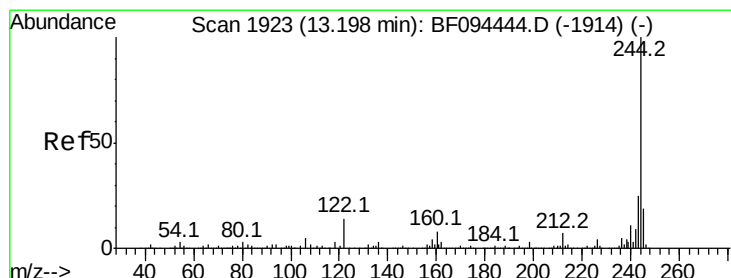
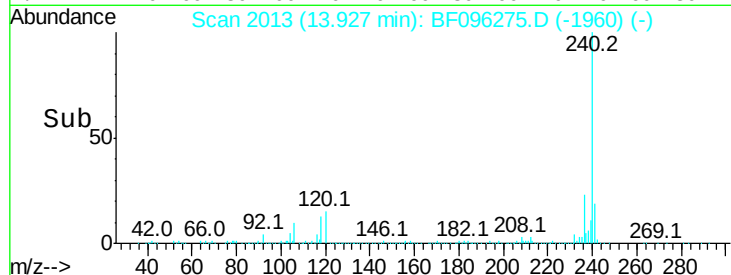
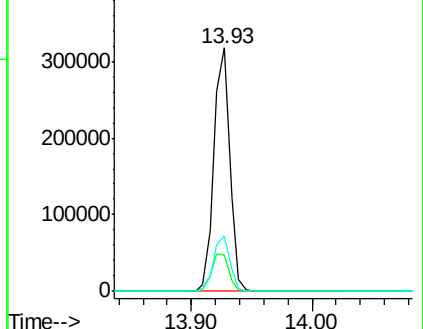
236 22.9 20.5 30.7



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: 55.33 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.01 min

Lab File: BF096275.D

Acq: 29 Jun 2017 4:08

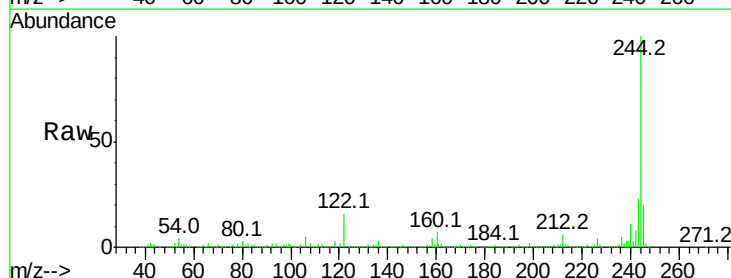
Tgt Ion:244 Resp: 637202

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

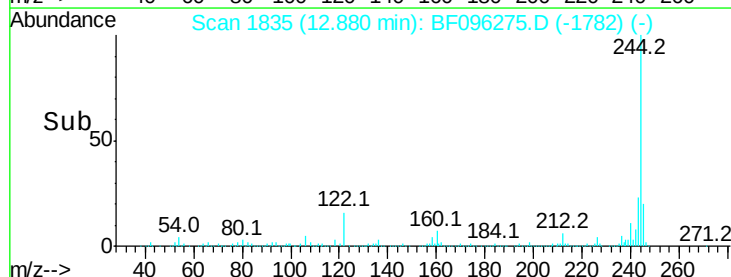
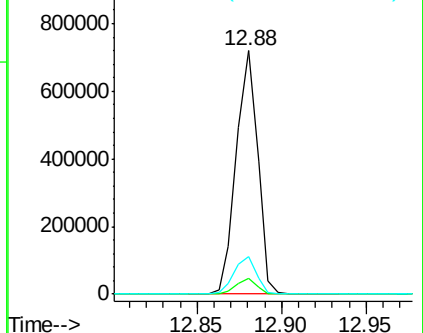
122 15.6 10.3 15.5#

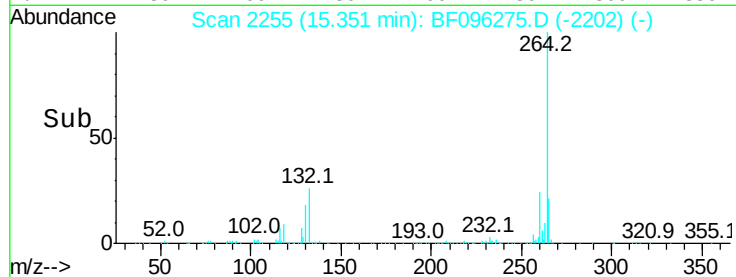
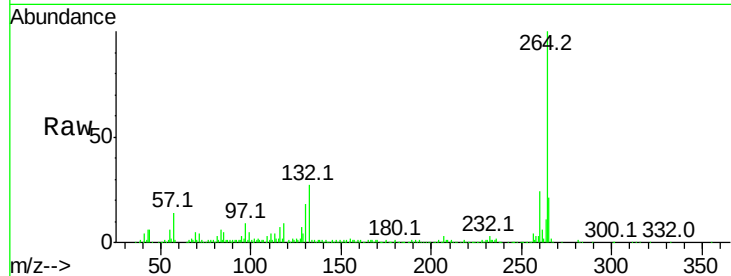
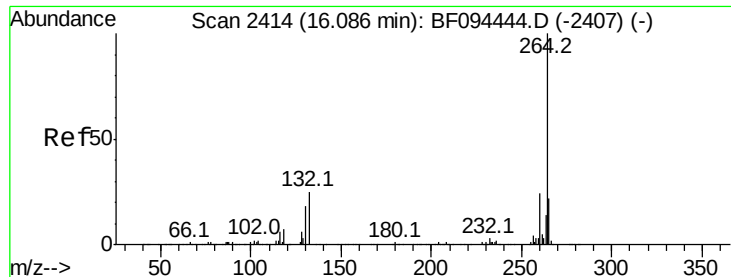


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF096275.D

Acq: 29 Jun 2017 4:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 206741

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 21.0 17.2 25.8

