

Data File : BF096943.D
Acq On : 21 Jul 2017 14:45
Operator : SJ/JU
Sample : I4253-04 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Quant Time: Jul 21 23:10:24 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	96779	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	431261	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	192941	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	316963	20.00	ng	-0.05
75) Chrysene-d12	13.68	240	229775	20.00	ng	-0.05
86) Perylene-d12	15.04	264	187754	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	36755	5.71	ng	-0.05
7) Phenol-d6	6.20	99	39257	5.08	ng	-0.05
23) Nitrobenzene-d5	7.12	82	25389	3.65	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	9376	5.69	ng	-0.05
44) 2-Fluorobiphenyl	8.91	172	53213	4.36	ng	-0.05
78) Terphenyl-d14	12.64	244	39840	3.01	ng	-0.05

Target Compounds						Qvalue
6) Aniline	6.29	93	25721	2.70	ng	# 50
11) bis(2-Chloroethyl)ether	6.29	93	25721	3.92	ng	91
13) 1,4-Dichlorobenzene	6.57	146	50489	6.75	ng	96
14) 1,2-Dichlorobenzene	6.72	146	184832	27.19	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.84	45	55223	4.08	ng	96
31) Naphthalene	7.86	128	290315	14.21	ng	99
32) Benzoic acid	7.65	122	9996	2.37	ng	# 14
33) 4-Chloroaniline	7.86	127	39699	4.90	ng	# 35
37) 2-Methylnaphthalene	8.55	142	525483	40.35	ng	99
45) 1,1'-Biphenyl	9.01	154	60445	3.65	ng	98
51) Acenaphthene	9.62	154	48479	4.23	ng	97
53) 2,4-Dinitrophenol	9.87	184	1219	7.46	ng	# 63
54) Dibenzofuran	9.79	168	39104	2.43	ng	# 64
57) Fluorene	10.13	166	29567	2.49	ng	# 93
59) Diethylphthalate	10.01	149	31496	2.23	ng	99
60) 4-Chlorophenyl-phenylether	9.99	204	409	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.25	169	33625	2.97	ng	# 44
70) Phenanthrene	11.08	178	49599	2.88	ng	98
85) Indeno(1,2,3-cd)pyrene	16.30	276	1768	3.46	ng	# 74

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

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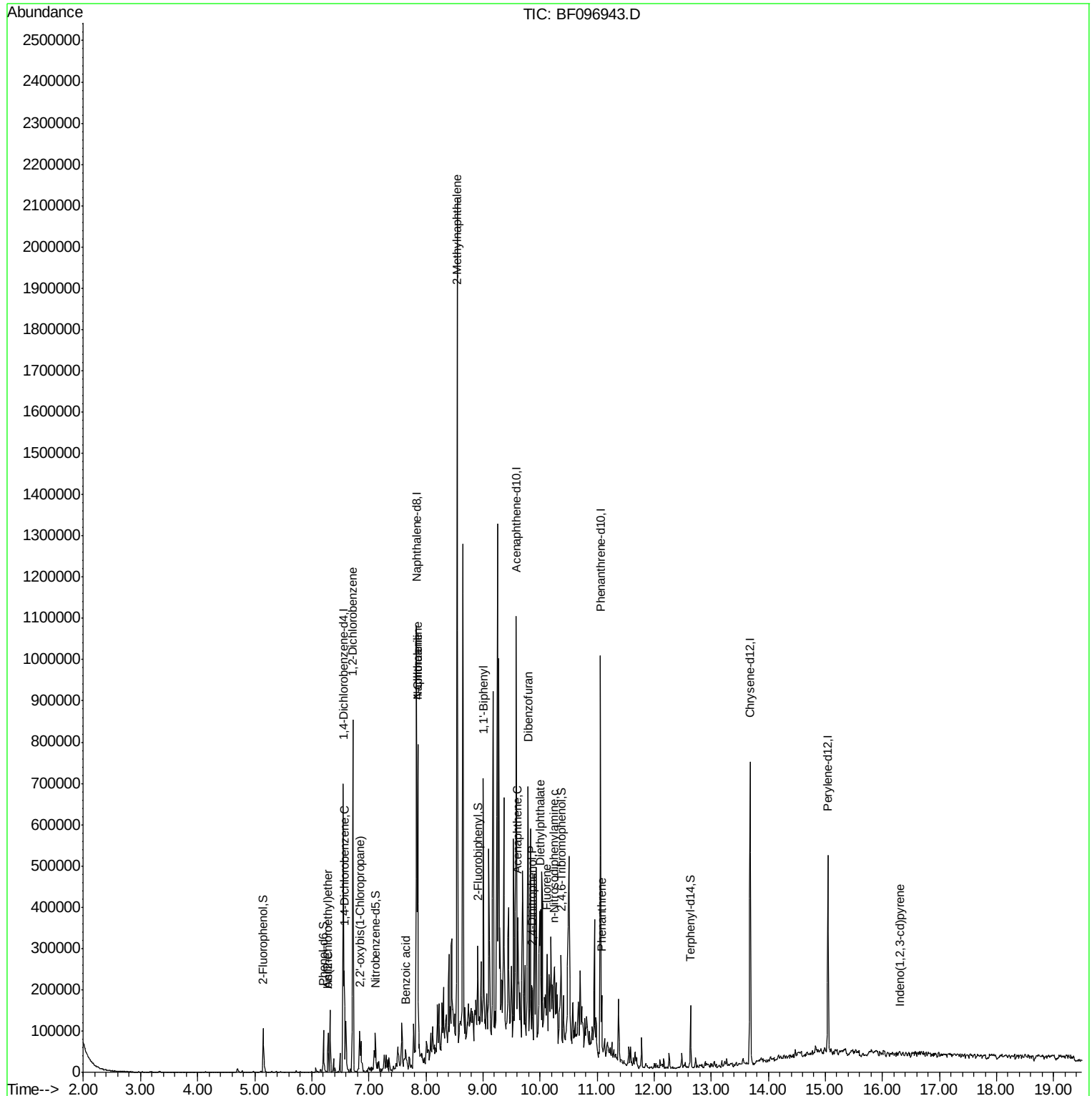
Quant Time: Jul 21 23:10:24 2017

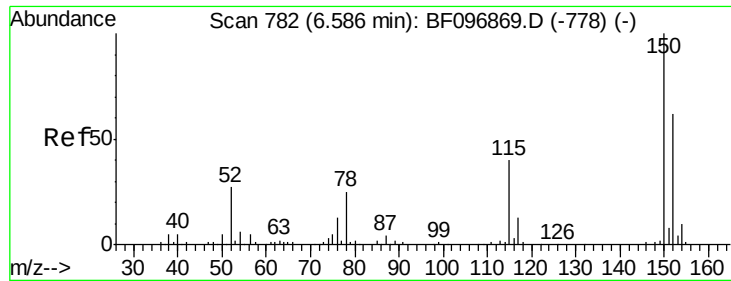
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 18 13:33:22 2017

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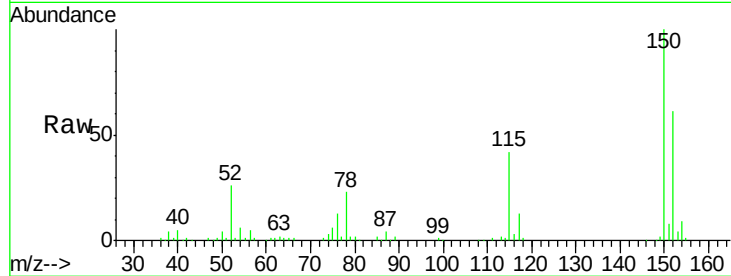


#1

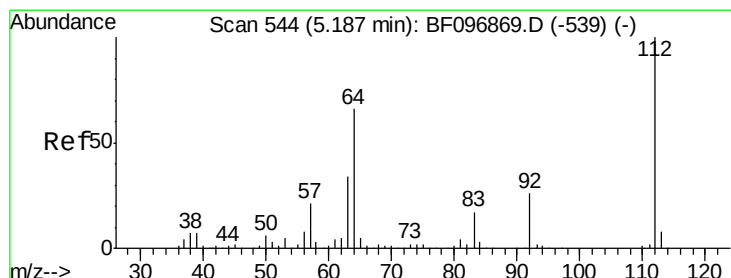
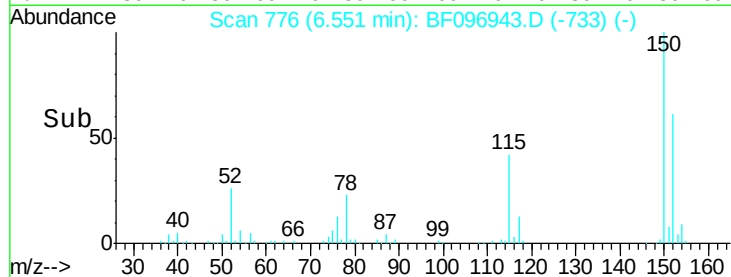
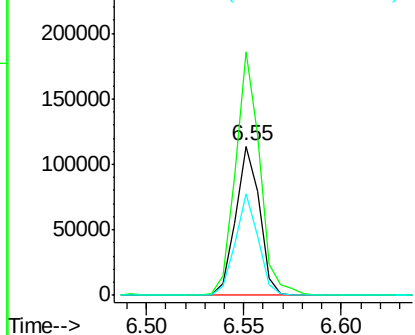
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 776
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tgt Ion:152 Resp: 96779
 Ion Ratio Lower Upper
 152 100
 150 163.5 126.2 189.2
 115 68.1 52.2 78.2



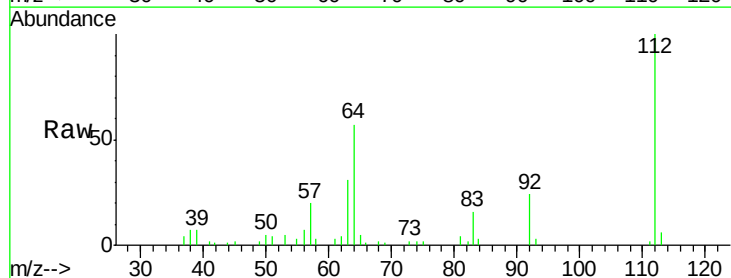
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



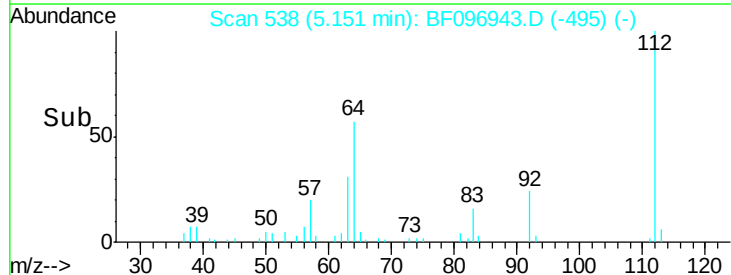
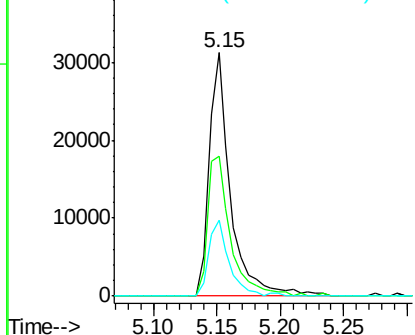
#5

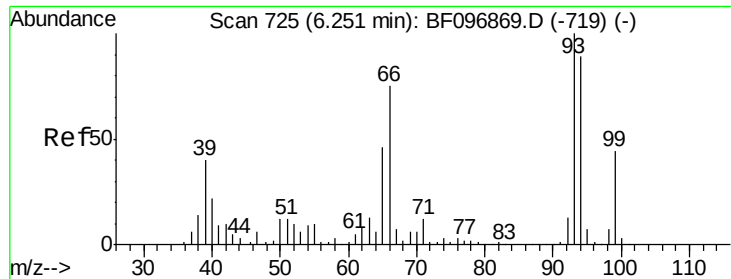
2-Fluorophenol
 Concen: 5.71 ng
 RT: 5.15 min Scan# 538
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion:112 Resp: 36755
 Ion Ratio Lower Upper
 112 100
 64 57.3 46.0 69.0
 63 31.4 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: 2.70 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

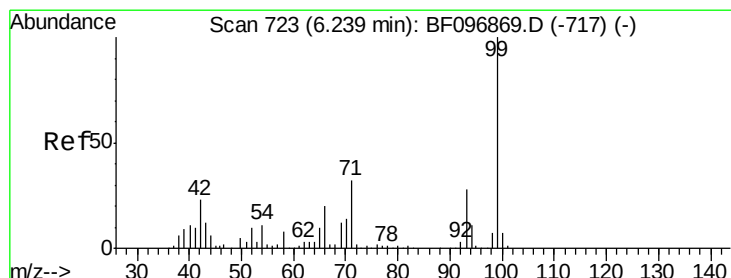
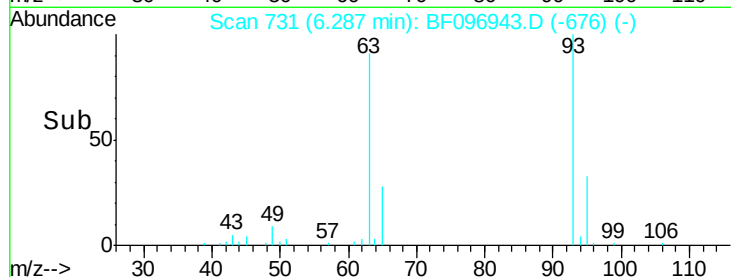
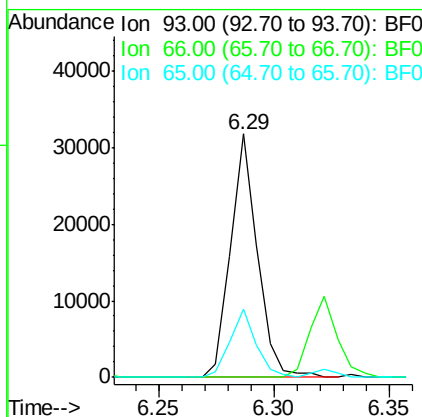
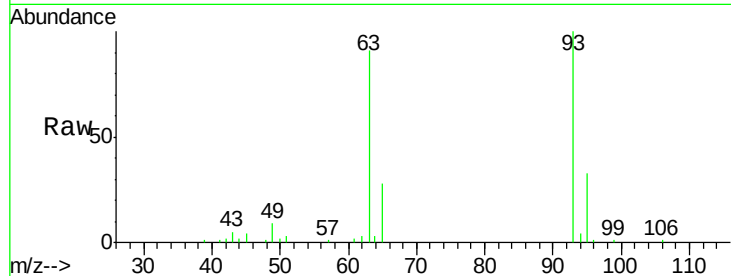
Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

Tgt Ion:	93	Resp:	25721
Ion	Ratio	Lower	Upper
93	100		
66	0.0	32.9	49.3#
65	28.0	16.0	24.0#



#7

Phenol-d6

Concen: 5.08 ng

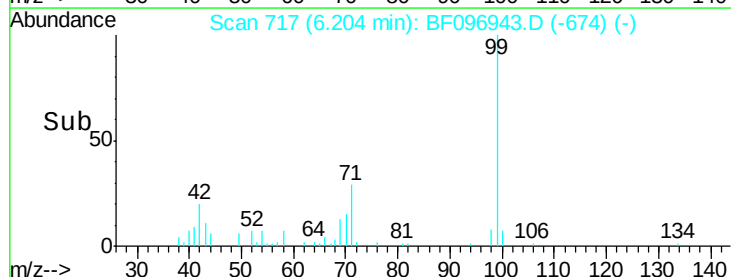
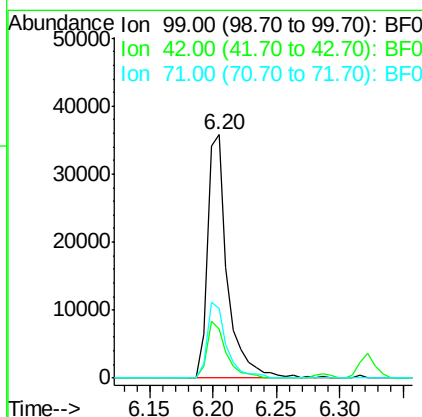
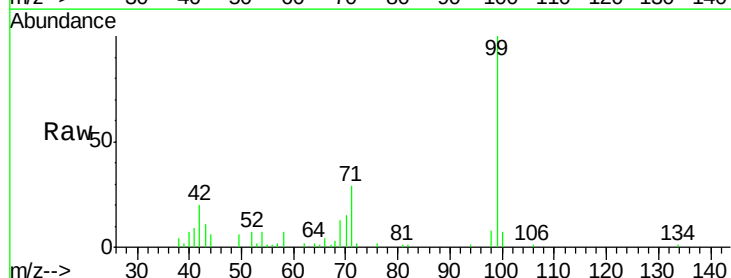
RT: 6.20 min Scan# 717

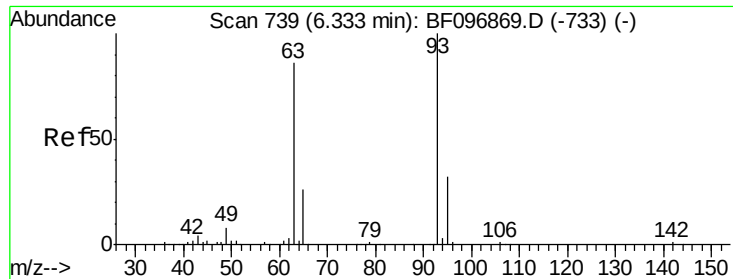
Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Tgt Ion:	99	Resp:	39257
Ion	Ratio	Lower	Upper
99	100		
42	20.2	13.5	20.3
71	28.6	24.5	36.7

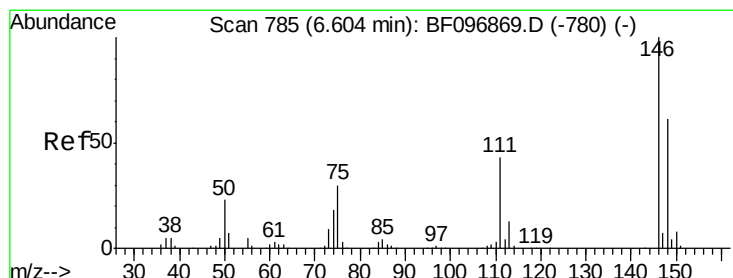
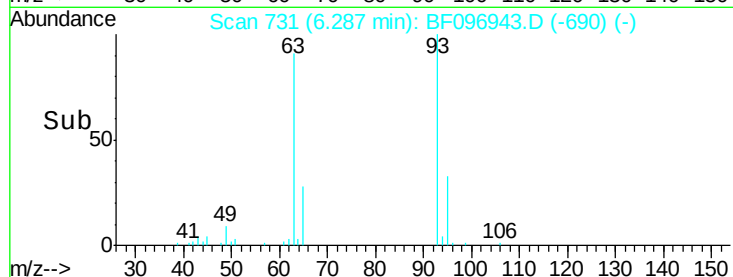
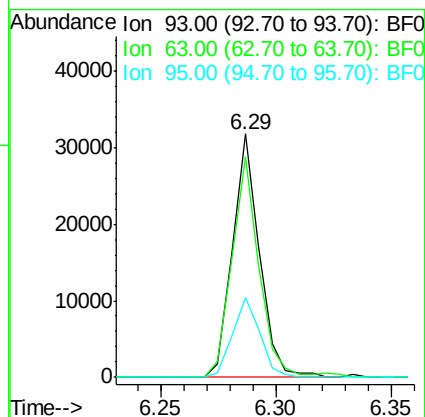
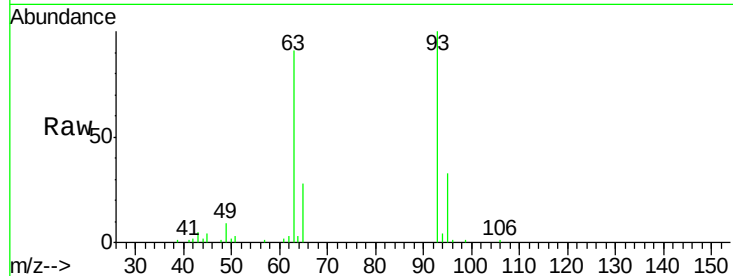




#11
bis(2-Chloroethyl)ether
Concen: 3.92 ng
RT: 6.29 min Scan# 731
Delta R.T. -0.06 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

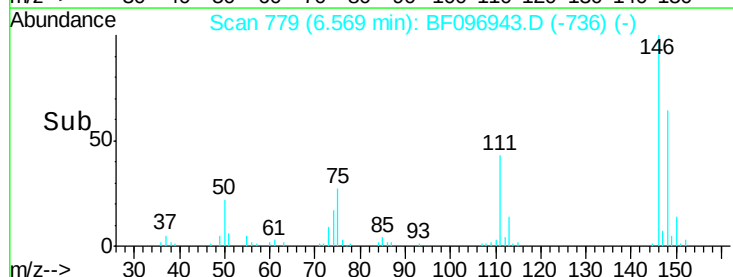
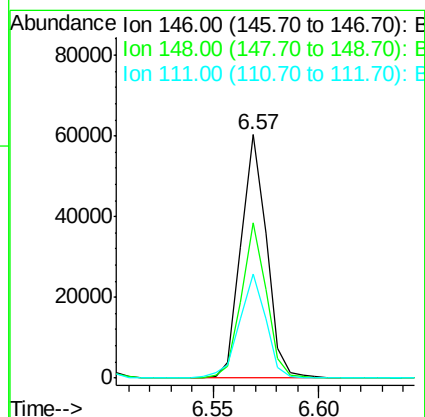
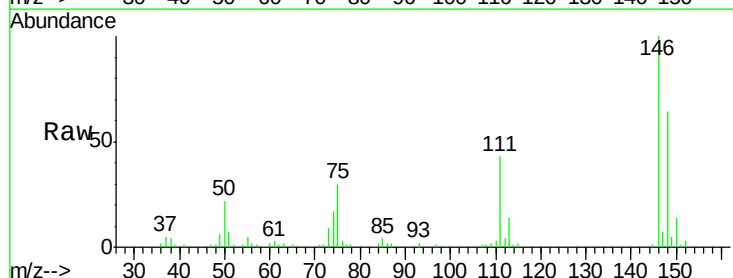
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

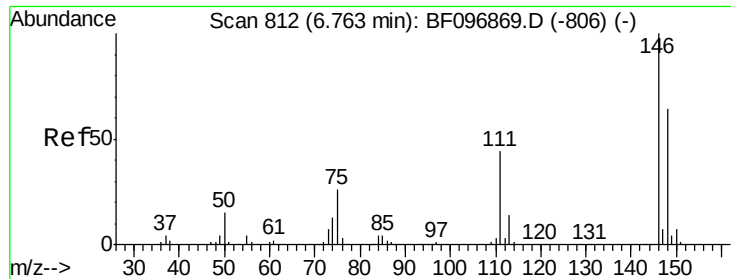
Tgt Ion: 93 Resp: 25721
Ion Ratio Lower Upper
93 100
63 90.5 59.2 99.2
95 33.0 12.8 52.8



#13
1,4-Dichlorobenzene
Concen: 6.75 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion: 146 Resp: 50489
Ion Ratio Lower Upper
146 100
148 64.0 52.2 78.2
111 42.6 30.3 45.5

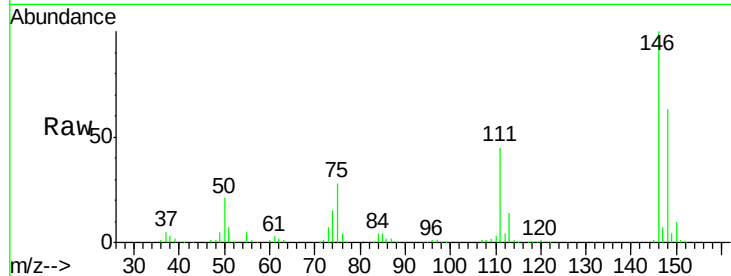




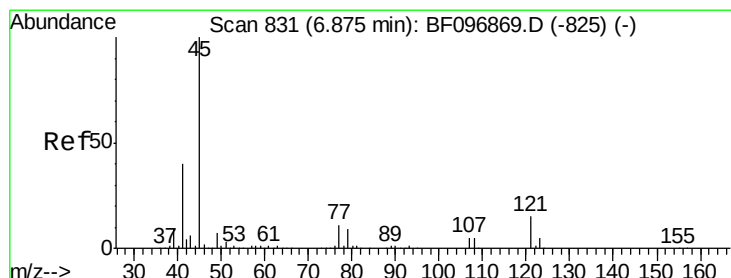
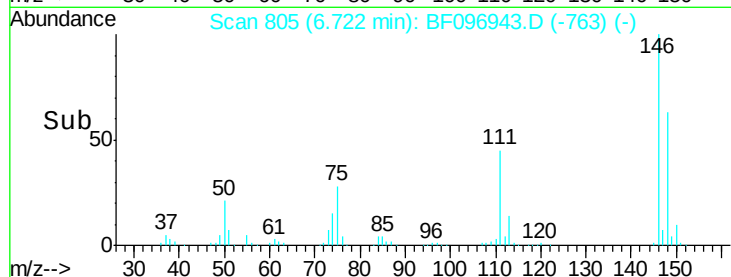
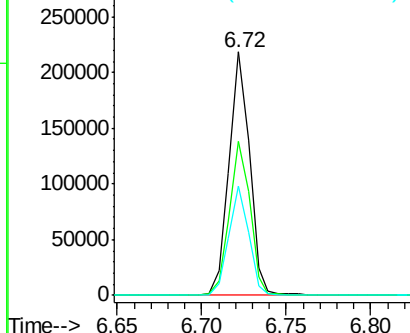
#14
 1,2-Dichlorobenzene
 Concen: 27.19 ng
 RT: 6.72 min Scan# 805
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tgt Ion: 146 Resp: 184832
 Ion Ratio Lower Upper
 146 100
 148 63.4 50.4 75.6
 111 44.7 38.2 57.4

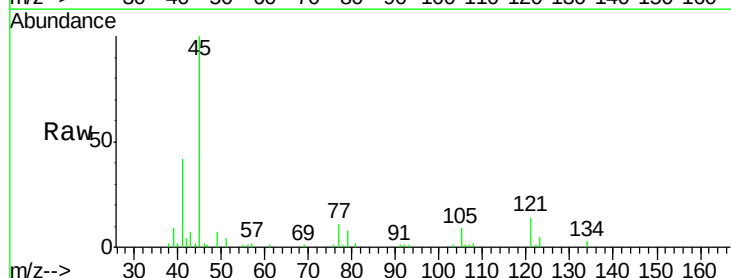


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

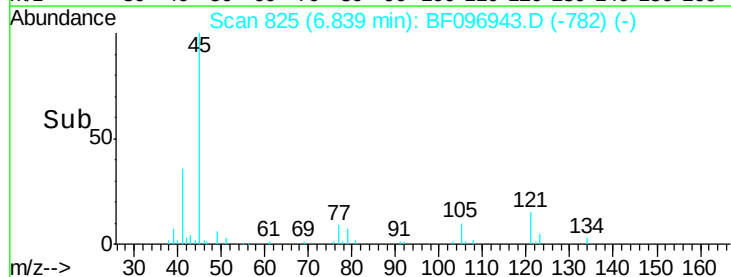
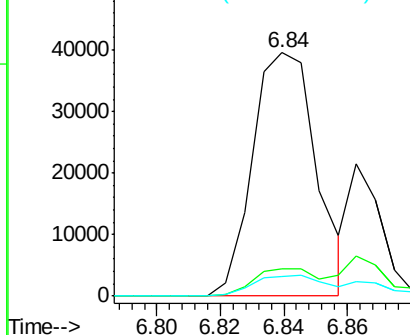


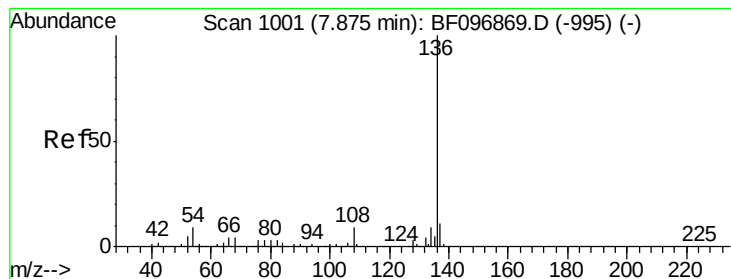
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 4.08 ng
 RT: 6.84 min Scan# 825
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion: 45 Resp: 55223
 Ion Ratio Lower Upper
 45 100
 77 11.5 0.0 33.2
 79 8.3 0.0 30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

Tgt Ion: 136 Resp: 431261

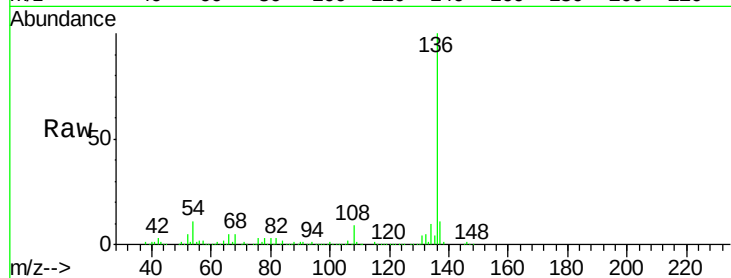
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 10.8 4.9 7.3#

68 5.3 4.1 6.1

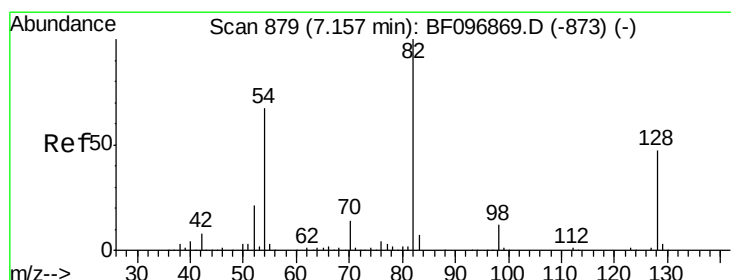
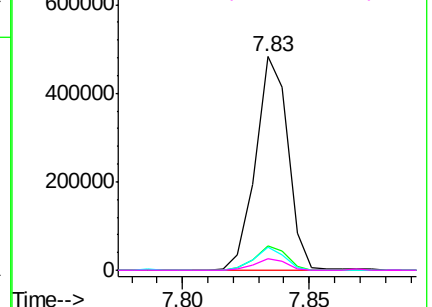
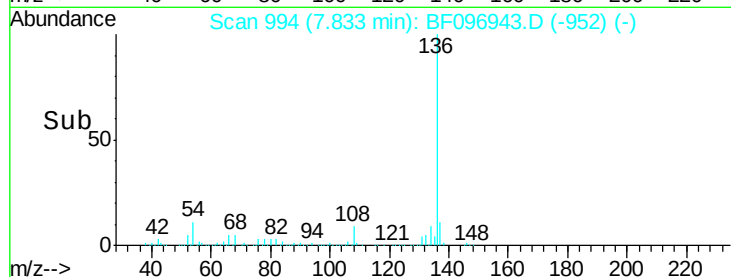


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 3.65 ng

RT: 7.12 min Scan# 872

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

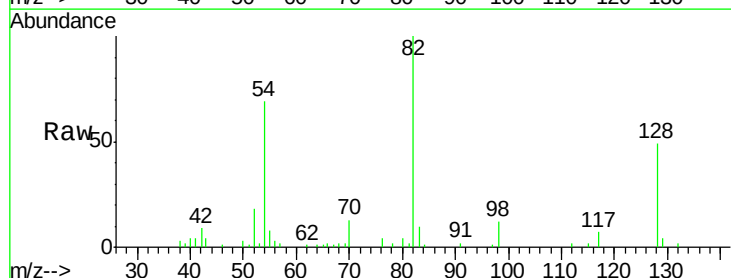
Tgt Ion: 82 Resp: 25389

Ion Ratio Lower Upper

82 100

128 49.1 34.0 51.0

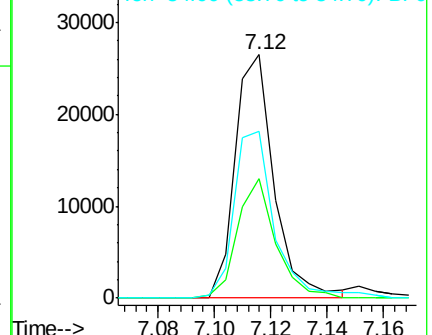
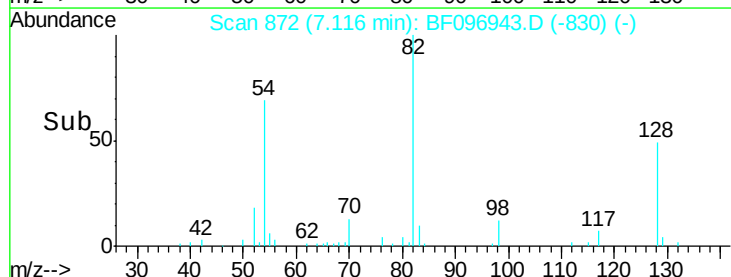
54 68.7 42.2 63.2#

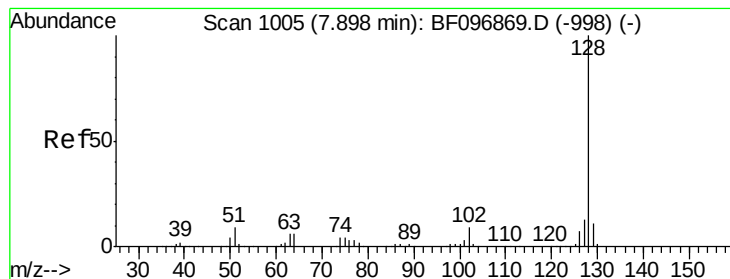


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 14.21 ng

RT: 7.86 min Scan# 998

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

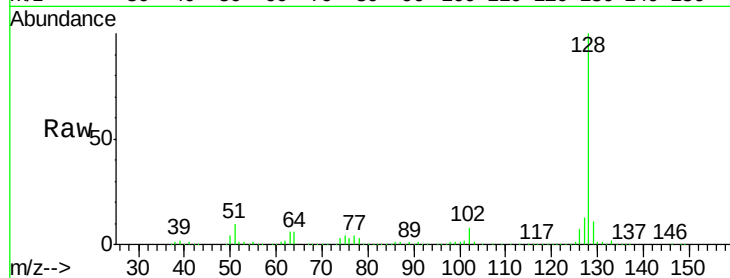
Tgt Ion:128 Resp: 290315

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

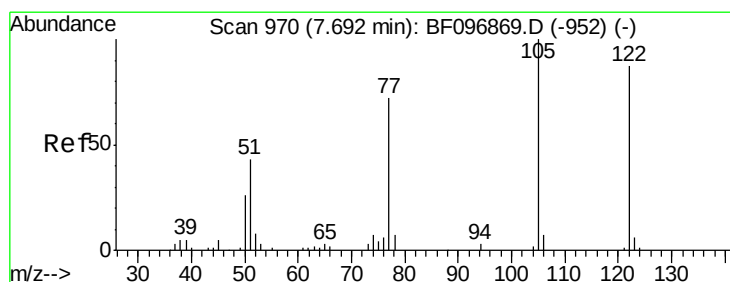
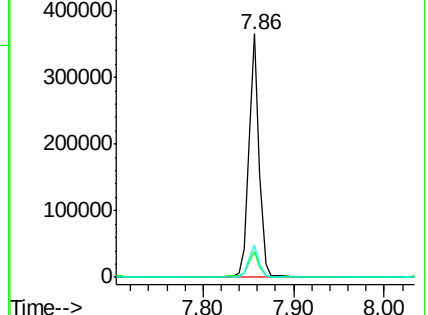
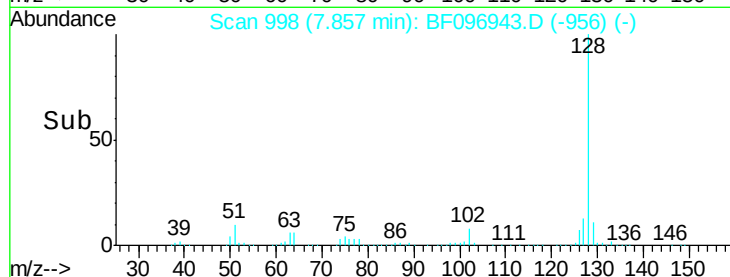
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.37 ng

RT: 7.65 min Scan# 962

Delta R.T. -0.06 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

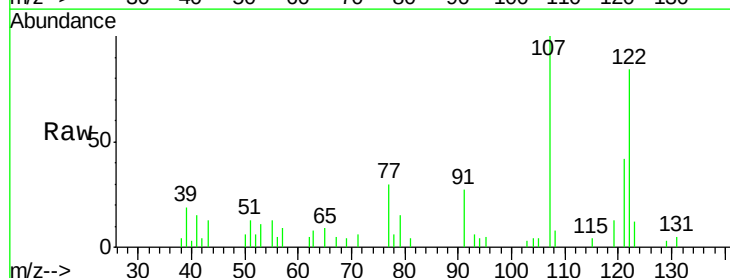
Tgt Ion:122 Resp: 9996

Ion Ratio Lower Upper

122 100

105 4.5 103.3 143.3#

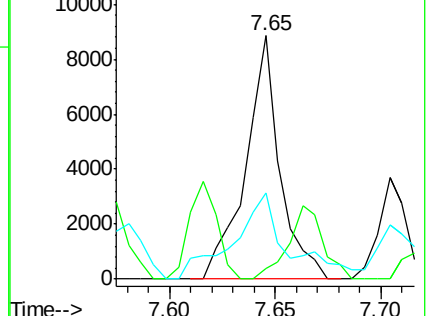
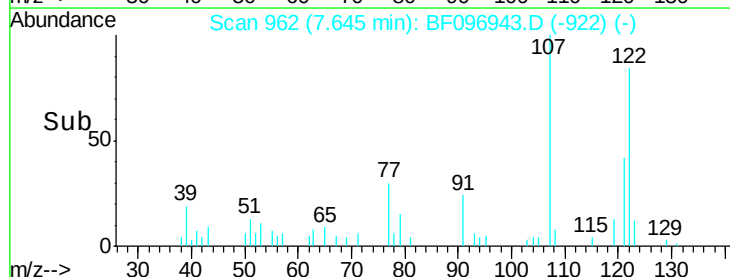
77 35.4 73.7 113.7#

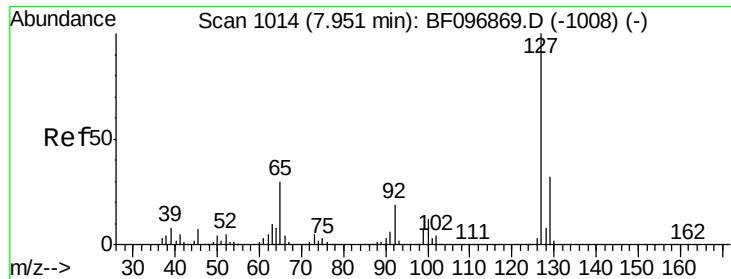


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

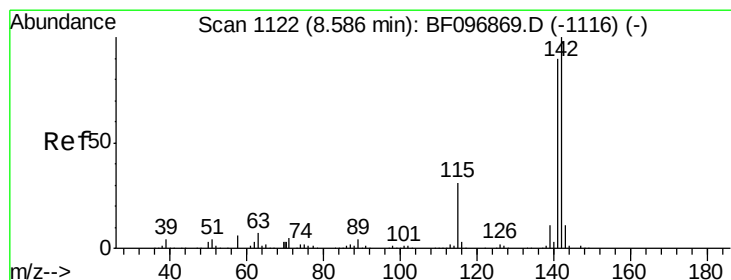
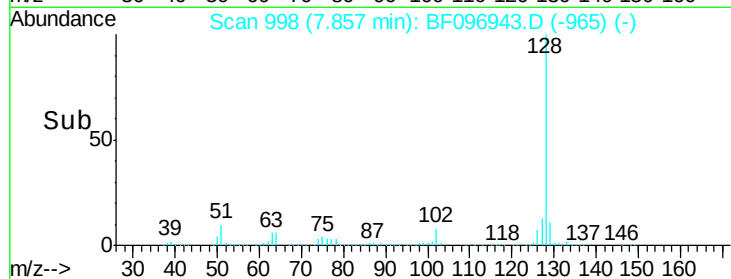
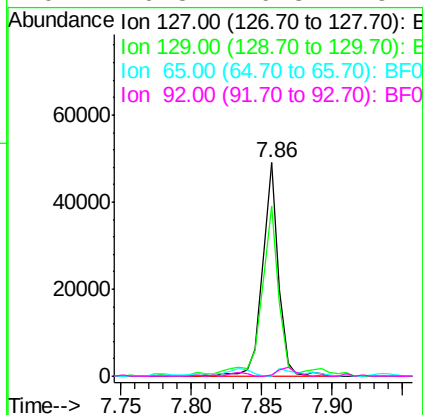
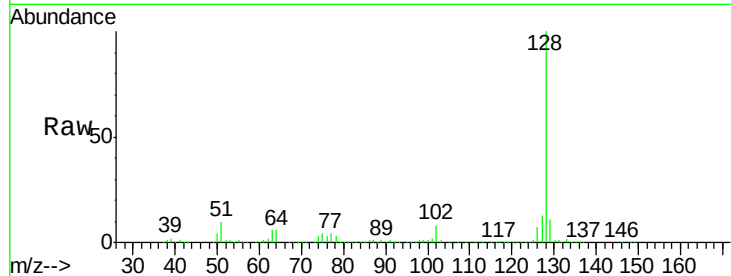




#33
 4-Chloroaniline
 Concen: 4.90 ng
 RT: 7.86 min Scan# 998
 Delta R.T. -0.11 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

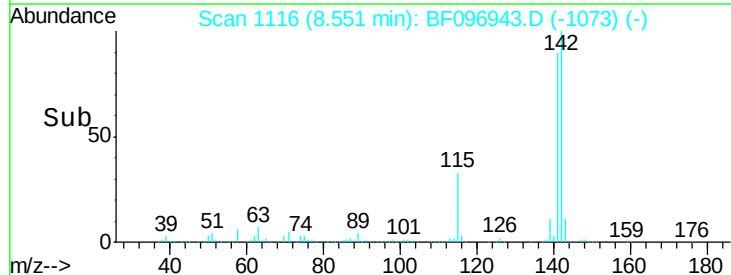
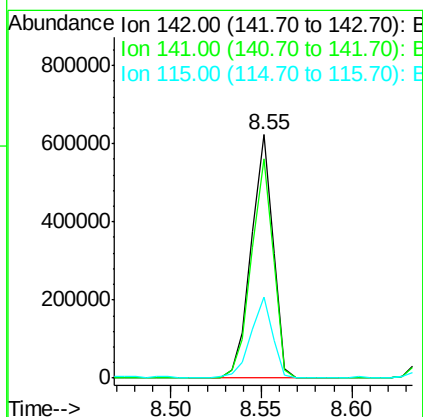
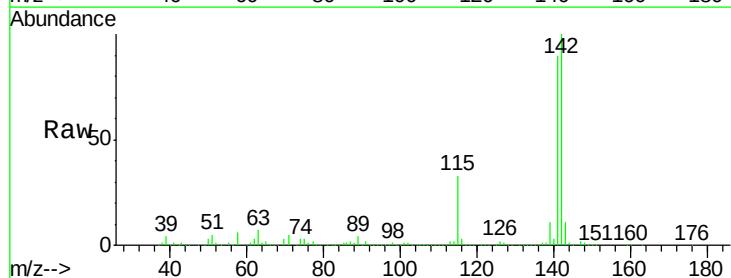
Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

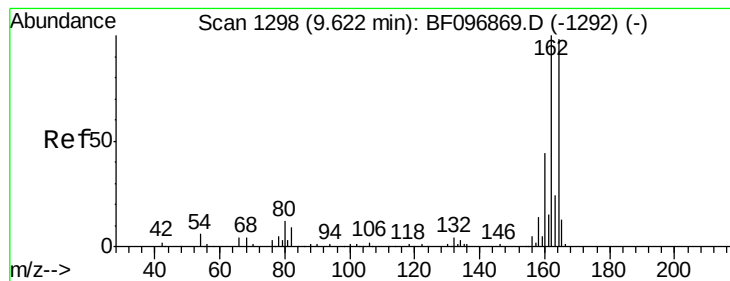
Tgt Ion:	127	Resp:	39699
Ion	Ratio	Lower	Upper
127	100		
129	79.7	26.2	39.2#
65	0.0	27.8	41.8#
92	0.8	16.8	25.2#



#37
 2-Methylnaphthalene
 Concen: 40.35 ng
 RT: 8.55 min Scan# 1116
 Delta R.T. -0.05 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion:	142	Resp:	525483
Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.3	106.9
115	33.1	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

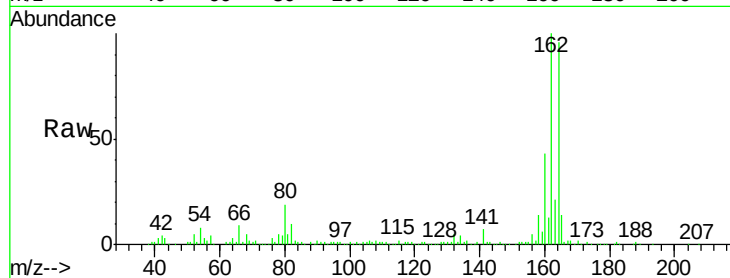
Tgt Ion:164 Resp: 192941

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

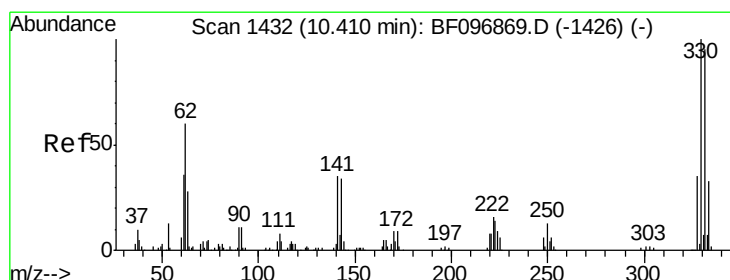
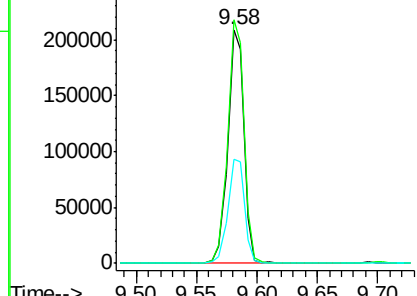
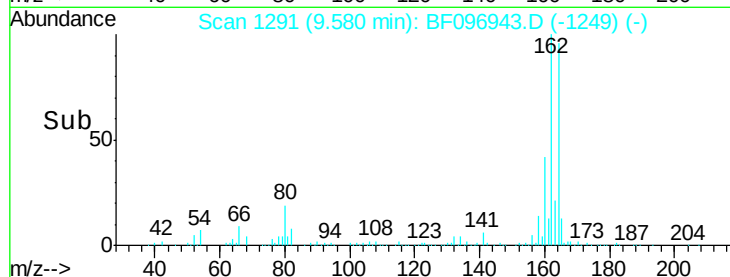
160 44.5 36.2 54.2



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: 5.69 ng

RT: 10.37 min Scan# 1425

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

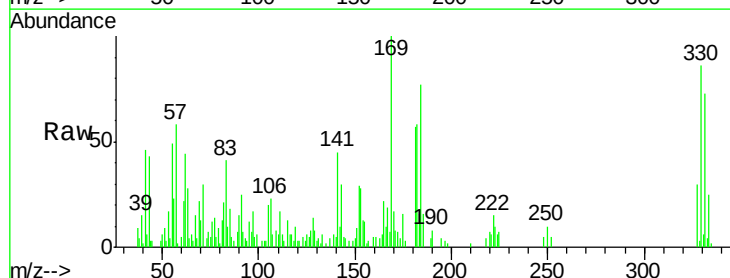
Tgt Ion:330 Resp: 9376

Ion Ratio Lower Upper

330 100

332 89.9 76.6 115.0

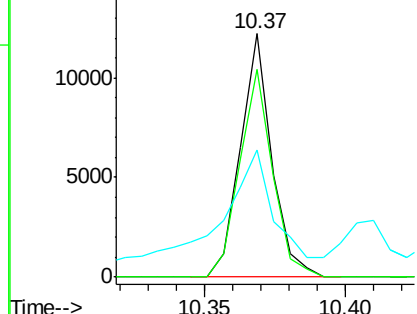
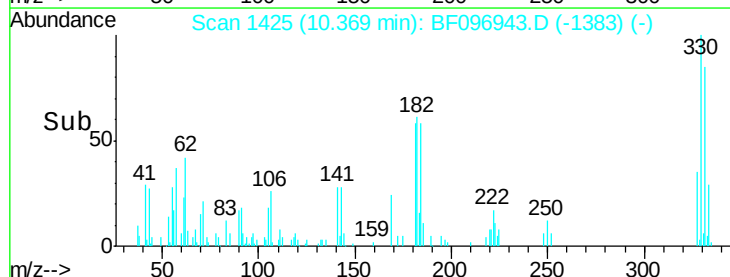
141 72.5 31.4 47.2#

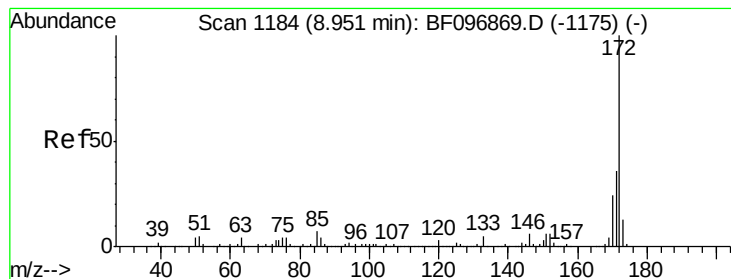


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 4.36 ng

RT: 8.91 min Scan# 1177

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

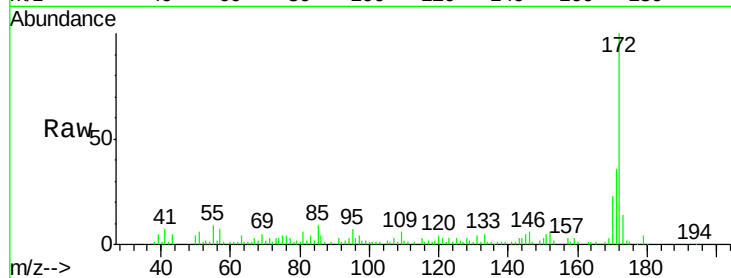
Tgt Ion:172 Resp: 53213

Ion Ratio Lower Upper

172 100

171 35.8 29.6 44.4

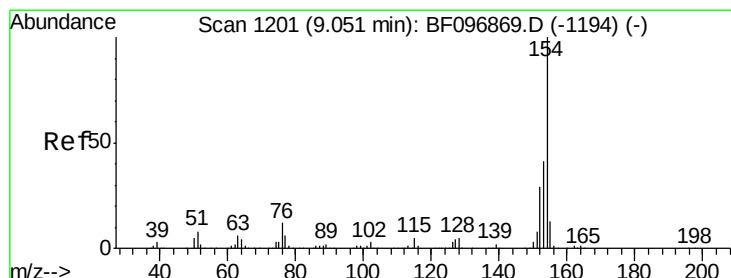
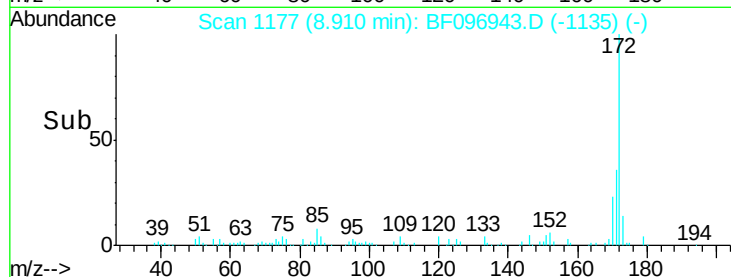
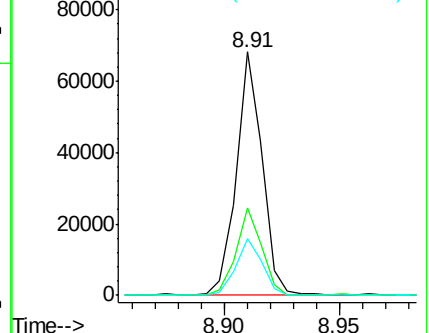
170 23.5 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 3.65 ng

RT: 9.01 min Scan# 1194

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

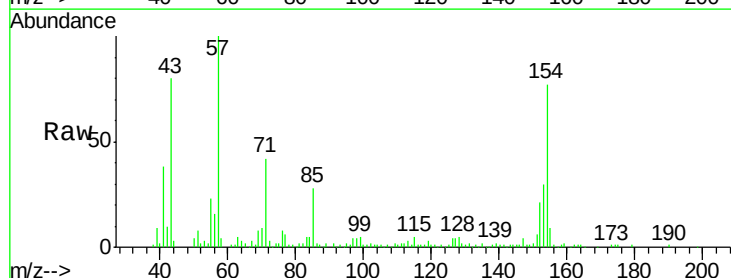
Tgt Ion:154 Resp: 60445

Ion Ratio Lower Upper

154 100

153 39.8 21.2 61.2

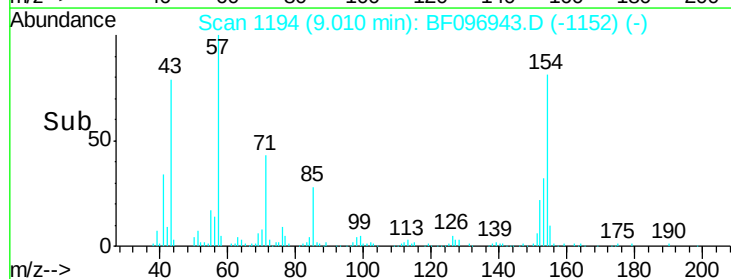
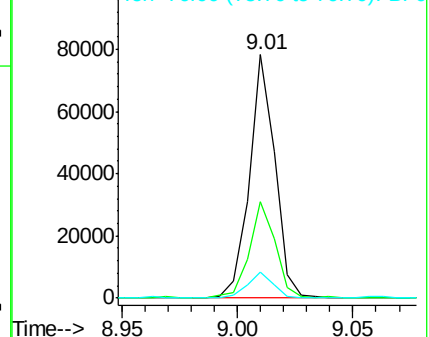
76 10.5 0.0 29.9

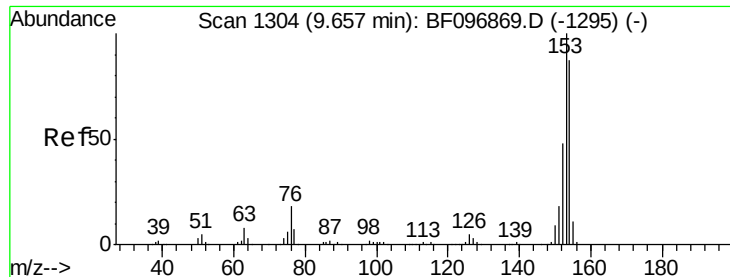


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 4.23 ng

RT: 9.62 min Scan# 1297

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

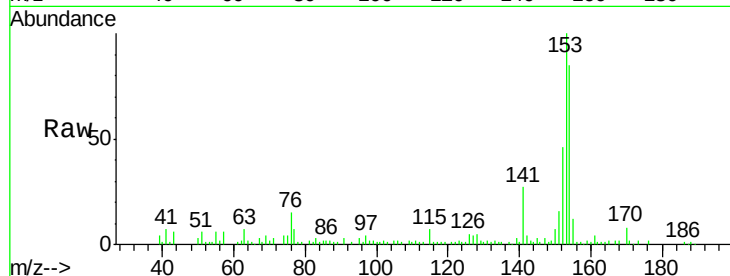
Tgt Ion:154 Resp: 48479

Ion Ratio Lower Upper

154 100

153 117.2 90.5 135.7

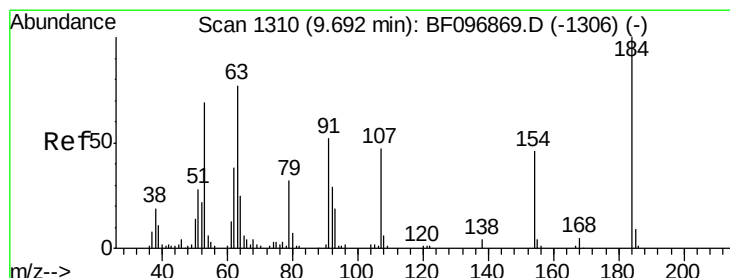
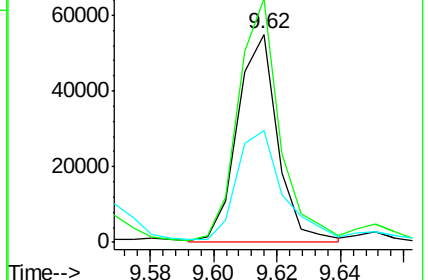
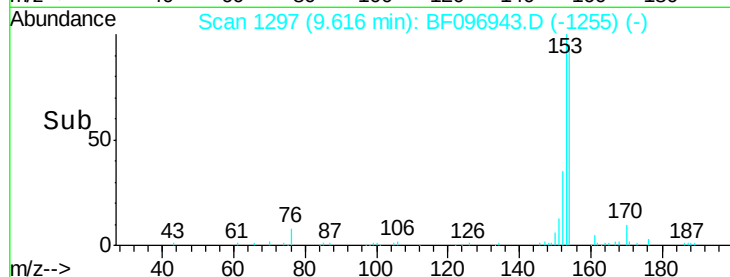
152 53.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.46 ng

RT: 9.87 min Scan# 1340

Delta R.T. 0.16 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

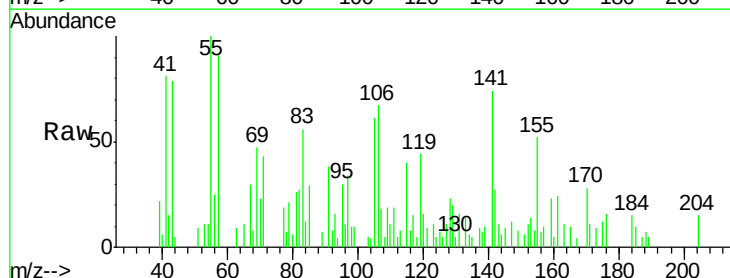
Tgt Ion:184 Resp: 1219

Ion Ratio Lower Upper

184 100

63 62.7 62.7 94.1#

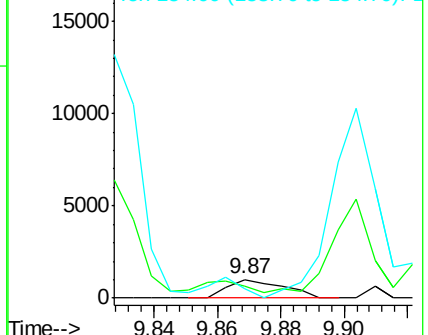
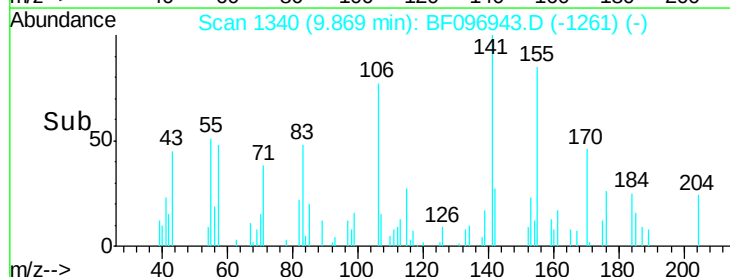
154 50.1 81.1 121.7#

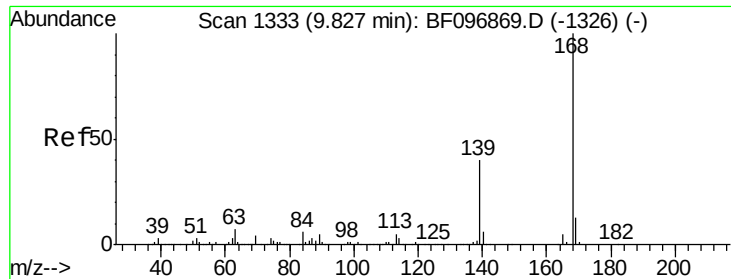


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

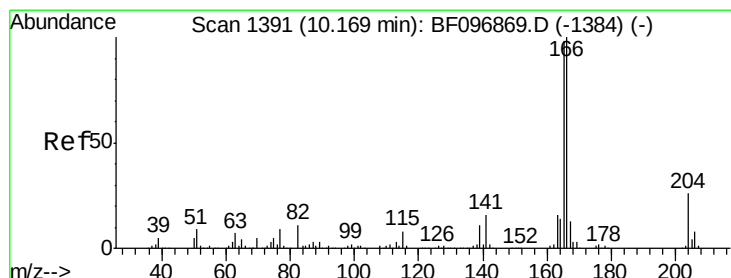
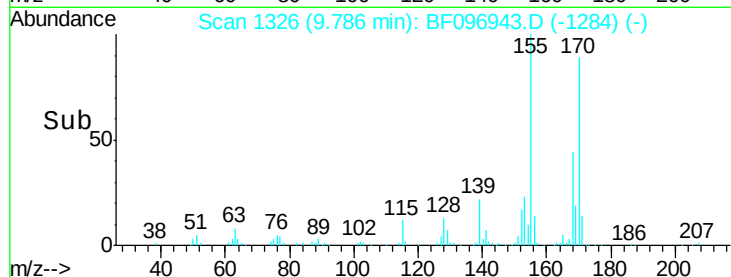
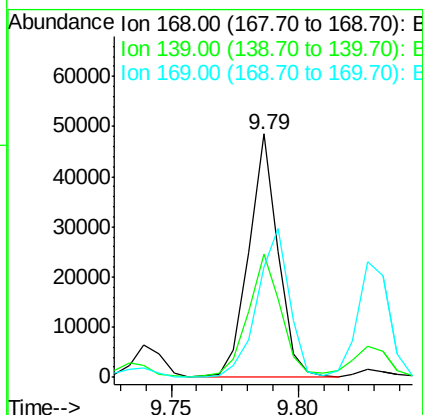
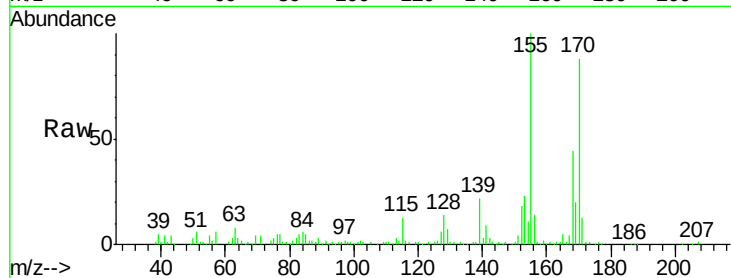




#54
Dibenzenofuran
Concen: 2.43 ng
RT: 9.79 min Scan# 1326
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

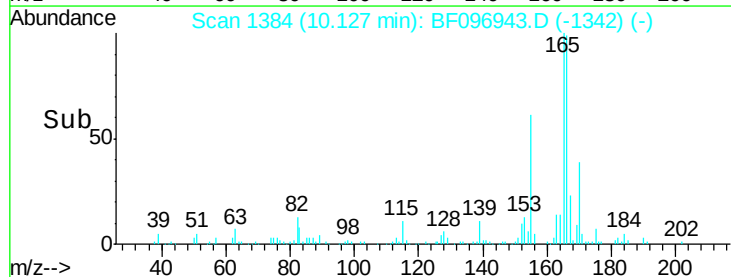
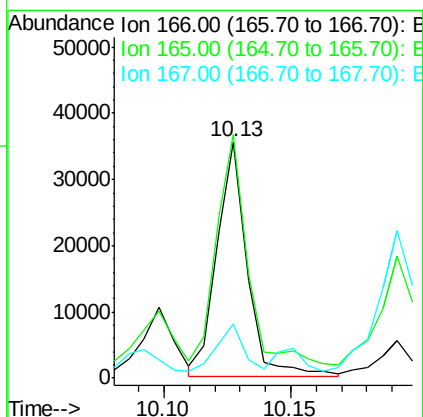
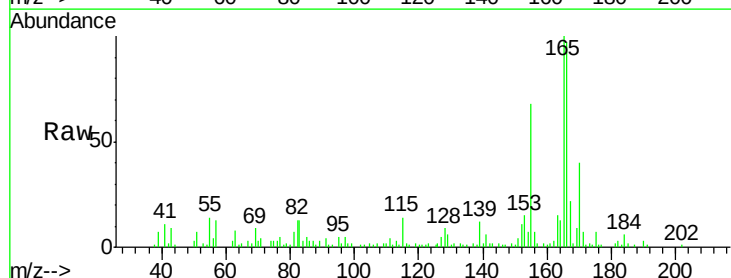
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

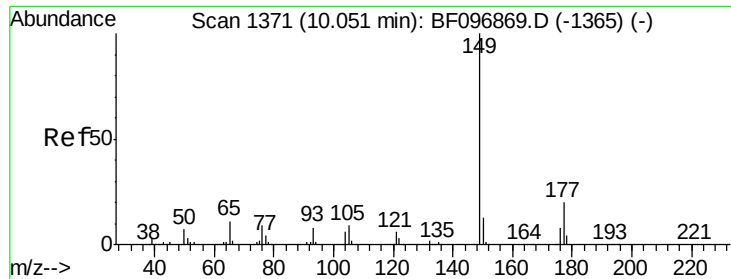
Tgt Ion:168 Resp: 39104
Ion Ratio Lower Upper
168 100
139 50.6 30.6 45.8#
169 45.2 10.8 16.2#



#57
Fluorene
Concen: 2.49 ng
RT: 10.13 min Scan# 1384
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion:166 Resp: 29567
Ion Ratio Lower Upper
166 100
165 102.9 78.8 118.2
167 23.1 10.6 16.0#

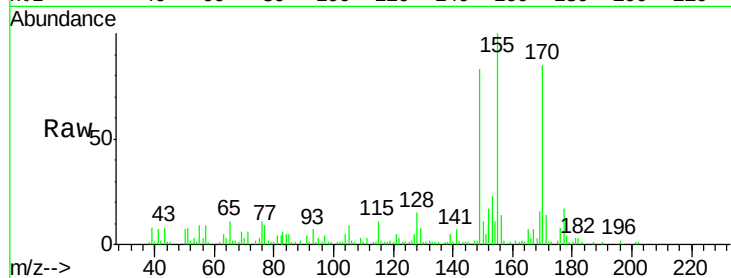




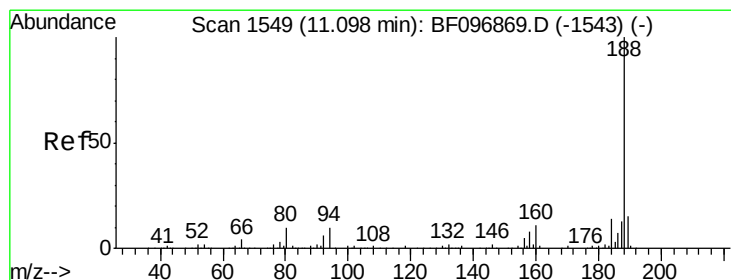
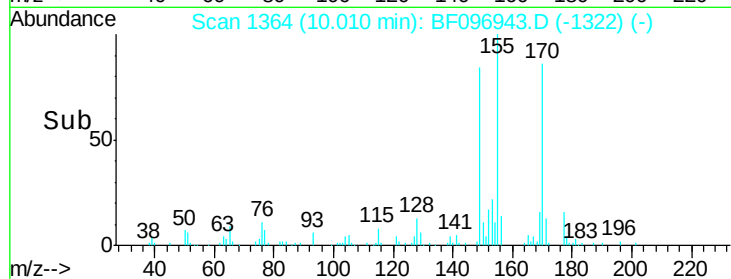
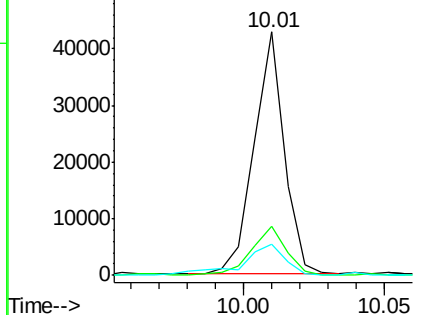
#59
Diethylphthalate
Concen: 2.23 ng
RT: 10.01 min Scan# 1364
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

Tgt Ion:149 Resp: 31496
Ion Ratio Lower Upper
149 100
177 20.2 16.7 25.1
150 12.7 10.2 15.2

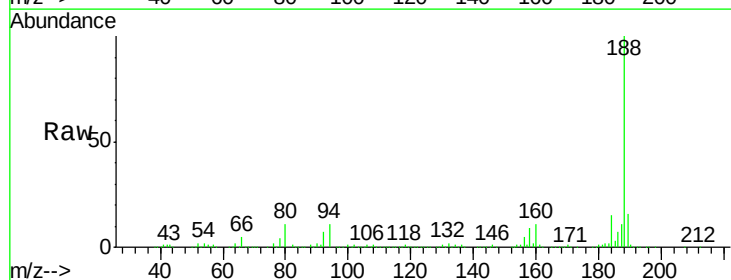


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

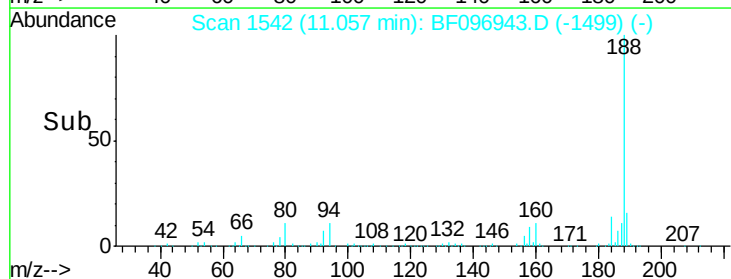
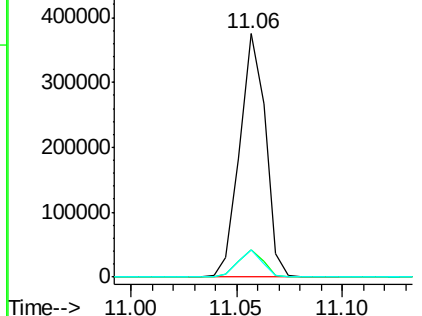


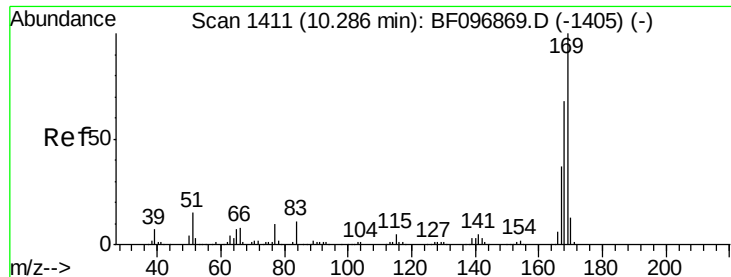
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion:188 Resp: 316963
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.3 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

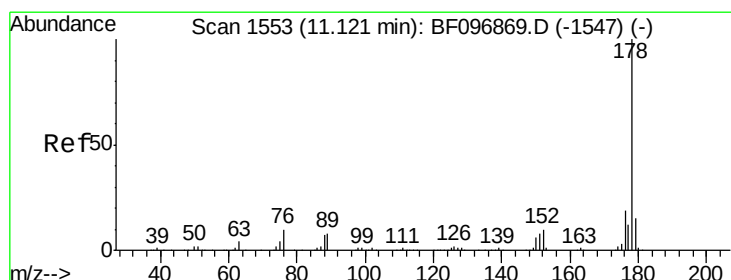
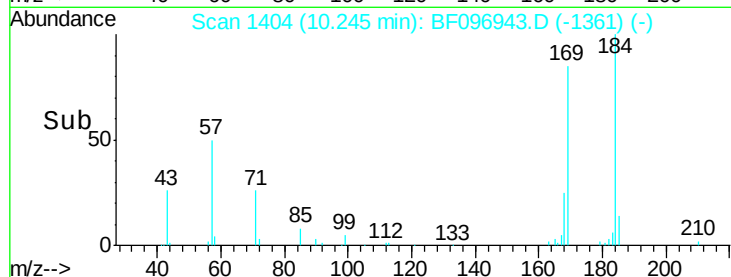
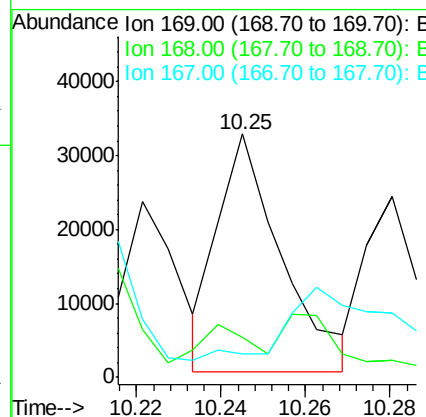
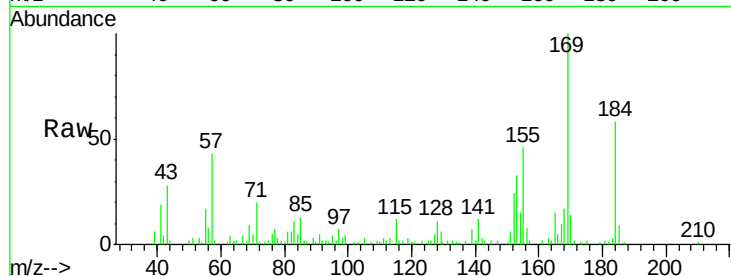




#65
n-Nitrosodiphenylamine
Concen: 2.97 ng
RT: 10.25 min Scan# 1404
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

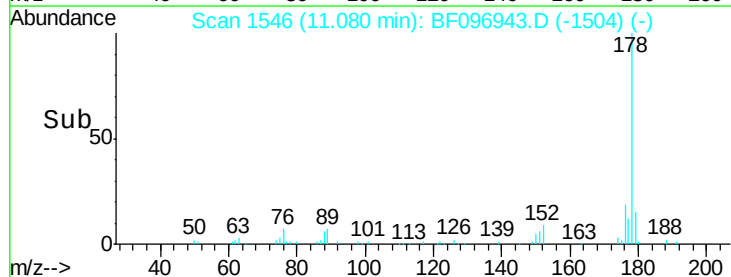
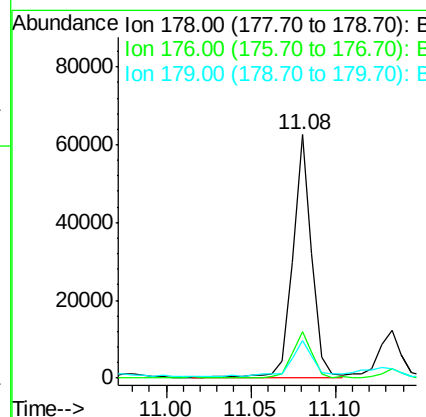
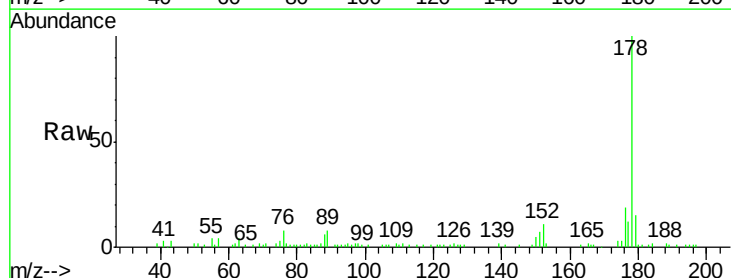
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-NSW

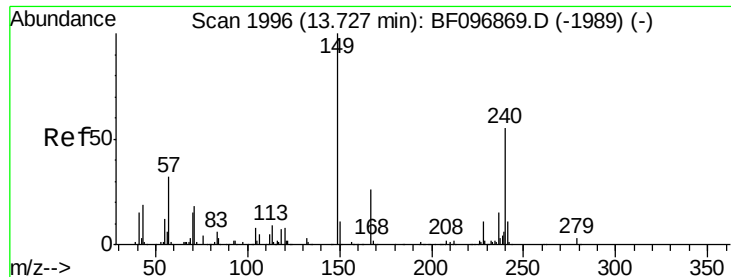
Tgt Ion:169 Resp: 33625
Ion Ratio Lower Upper
169 100
168 16.6 53.2 79.8#
167 9.8 29.5 44.3#



#70
Phenanthrene
Concen: 2.88 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096943.D
Acq: 21 Jul 2017 14:45

Tgt Ion:178 Resp: 49599
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.3 12.6 19.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-NSW

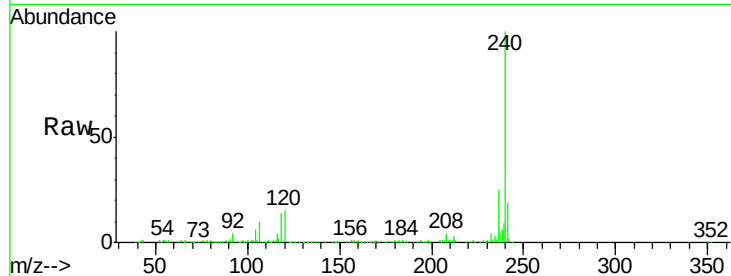
Tgt Ion:240 Resp: 229775

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

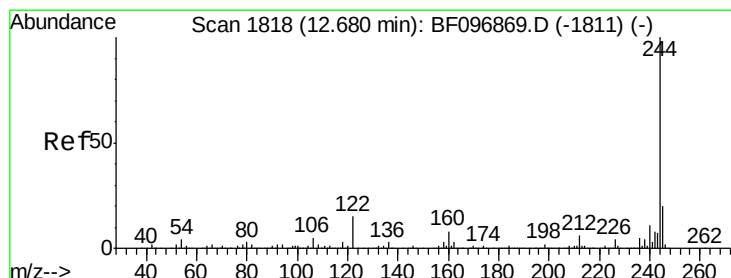
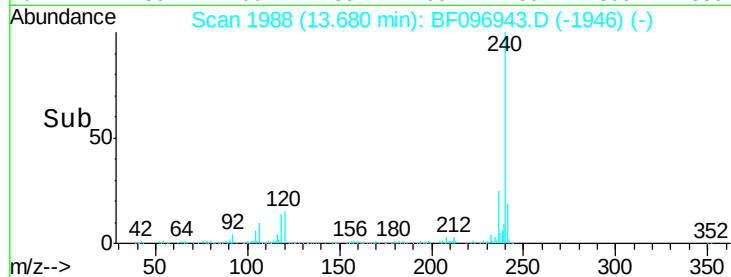
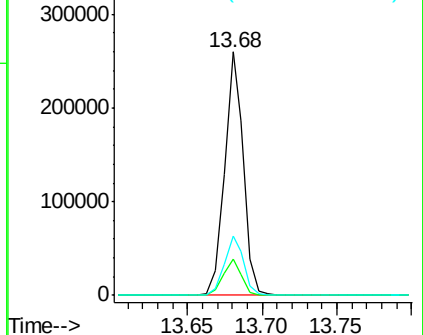
236 24.6 20.5 30.7



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: 3.01 ng

RT: 12.64 min Scan# 1811

Delta R.T. -0.05 min

Lab File: BF096943.D

Acq: 21 Jul 2017 14:45

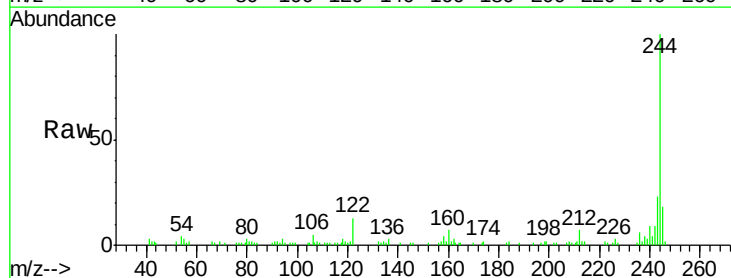
Tgt Ion:244 Resp: 39840

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

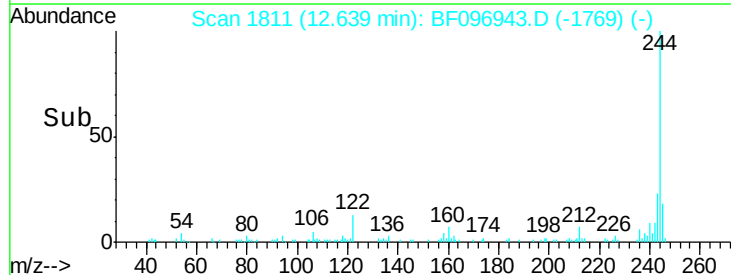
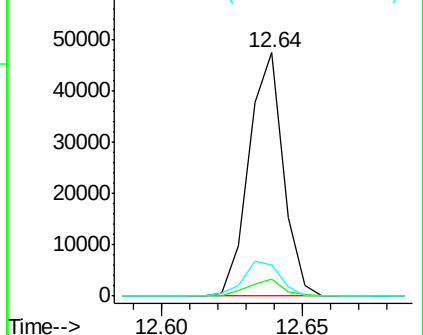
122 12.7 10.3 15.5

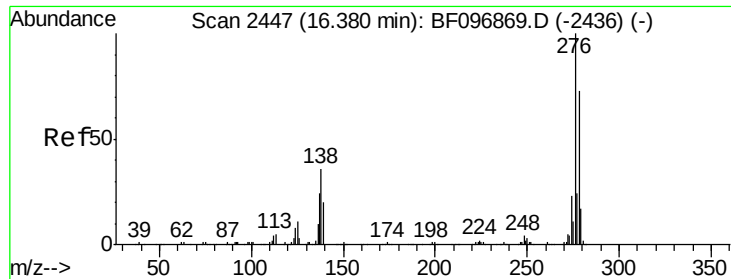


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

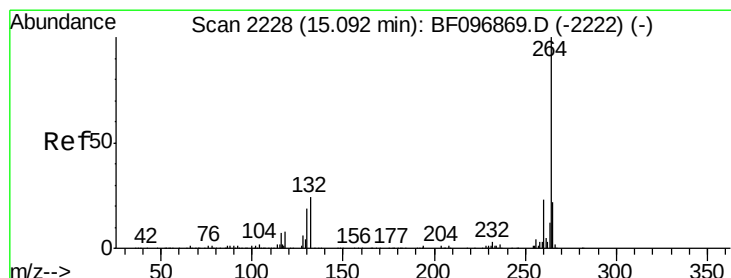
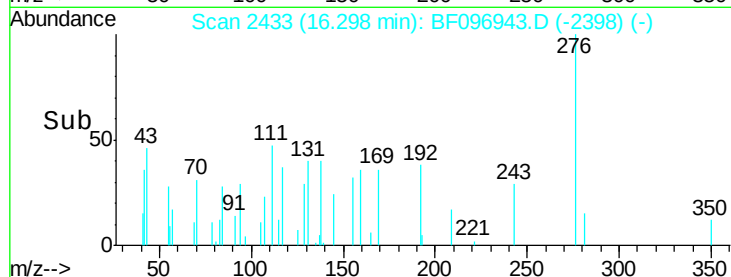
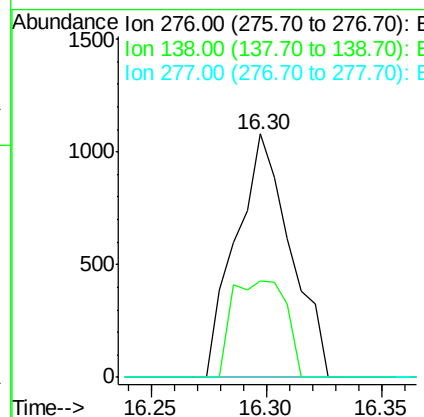
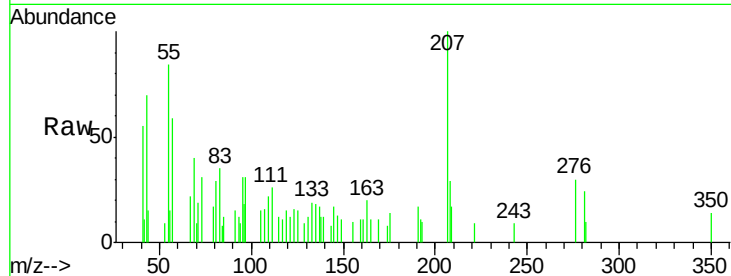




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.46 ng
 RT: 16.30 min Scan# 2433
 Delta R.T. -0.09 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-NSW

Tgt Ion: 276 Resp: 1768
 Ion Ratio Lower Upper
 276 100
 138 39.4 27.8 41.6
 277 0.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 2220
 Delta R.T. -0.06 min
 Lab File: BF096943.D
 Acq: 21 Jul 2017 14:45

Tgt Ion: 264 Resp: 187754
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.3 17.2 25.8

