

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
 Data File : BF096855.D
 Acq On : 18 Jul 2017 19:09
 Operator : SJ/JU
 Sample : I4244-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

Quant Time: Jul 19 01:13:18 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	6.61	152	82608	20.00	ng	0.01
21) Naphthalene-d8	7.90	136	120383	20.00	ng	0.02
38) Acenaphthene-d10	9.58	164	14075	20.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	61856	20.00	ng	0.11
75) Chrysene-d12	13.76	240	169041	20.00	ng	0.02
86) Perylene-d12	15.11	264	143509	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	247477	45.04	ng	0.00
7) Phenol-d6	6.25	99	281796	42.74	ng	0.00
23) Nitrobenzene-d5	7.17	82	215559	110.91	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	12886	107.26	ng	0.11
44) 2-Fluorobiphenyl	9.03	172	103191	115.83	ng	0.07
78) Terphenyl-d14	12.74	244	108471	11.13	ng	0.05

Target Compounds

						Qvalue
9) Benzaldehyde	6.16	77	44760	11.75	ng	# 1
15) Benzyl Alcohol	6.67	79	83255	19.29	ng	# 10
18) Hexachloroethane	7.11	117	79159	34.99	ng	# 1
19) n-Nitroso-di-n-propylamine	6.97	70	237057	59.68	ng	# 38
22) Acetophenone	7.02	105	430084	159.85	ng	# 49
24) Nitrobenzene	7.16	77	211912	105.43	ng	# 43
25) Isophorone	7.45	82	90206	24.95	ng	# 1
26) 2-Nitrophenol	7.50	139	9459	8.46	ng	# 1
27) 2,4-Dimethylphenol	7.56	122	8613	4.68	ng	# 1
28) bis(2-Chloroethoxy)methane	7.73	93	22628	9.26	ng	# 1
29) 2,4-Dichlorophenol	7.88	162	348230	209.22	ng	# 43
31) Naphthalene	7.93	128	186134	32.64	ng	# 1
32) Benzoic acid	7.72	122	5648	4.81	ng	# 1
33) 4-Chloroaniline	7.93	127	74059	32.78	ng	# 1
35) Caprolactam	8.41	113	265428	497.71	ng	# 1
36) 4-Chloro-3-methylphenol	8.40	107	10885	6.08	ng	# 23
37) 2-Methylnaphthalene	8.69	142	1385386	381.05	ng	# 92
42) 2,4,6-Trichlorophenol	8.82	196	1644	5.86	ng	# 13
43) 2,4,5-Trichlorophenol	8.82	196	1644	5.81	ng	# 1
45) 1,1'-Biphenyl	9.11	154	208715	172.90	ng	# 94
46) 2-Chloronaphthalene	9.07	162	5313	5.98	ng	# 1
47) 2-Nitroaniline	9.15	65	1652	5.41	ng	# 40
48) Acenaphthylene	9.36	152	416256	293.91	ng	# 1
49) Dimethylphthalate	9.21	163	8003	7.55	ng	# 7
50) 2,6-Dinitrotoluene	9.38	165	2601	11.33	ng	# 1
51) Acenaphthene	9.59	154	17660	21.11	ng	# 1
52) 3-Nitroaniline	9.56	138	18164	66.79	ng	# 1
53) 2,4-Dinitrophenol	9.64	184	769	12.94	ng	# 1
54) Dibenzofuran	9.79	168	161877	138.07	ng	# 89
55) 4-Nitrophenol	9.67	139	4101	20.64	ng	# 1
56) 2,4-Dinitrotoluene	9.79	165	80050	271.38	ng	# 64
57) Fluorene	10.15	166	14936	17.24	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	9.89	232	2720	13.86	ng	# 1
59) Diethylphthalate	10.05	149	7912	7.67	ng	# 1

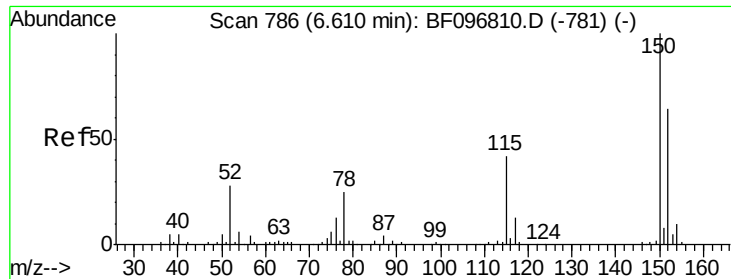
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071817\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	10.11	204	89763	Below Cal	#	1
61) 4-Nitroaniline	10.20	138	1980	7.75 nq	#	59
62) Azobenzene	10.28	77	61813	67.91 nq	#	1
64) 4,6-Dinitro-2-methylphenol	10.40	198	3201	8.24 nq	#	1
65) n-Nitrosodiphenylamine	10.39	169	362876	164.11 nq	#	76
68) Atrazine	10.93	200	25194	39.99 nq	#	36
69) Pentachlorophenol	11.03	266	834	2.45 nq	#	38
70) Phenanthrene	11.25	178	1109119	329.77 nq	#	90
71) Anthracene	11.35	178	91870	27.02 nq	#	1
72) Carbazole	11.43	167	43996	13.36 nq	#	1
74) Fluoranthene	12.40	202	114338	35.52 nq		77
80) Benzo(a)anthracene	13.75	228	54960	5.22 nq	#	60
82) Chrysene	13.78	228	84014	8.10 nq	#	71
83) Bis(2-ethylhexyl)phthalate	13.74	149	224616	25.30 nq	#	98
85) Indeno(1,2,3-cd)pyrene	16.39	276	15548	4.89 nq		93
87) Benzo(b)fluoranthene	14.73	252	64941	7.50 nq	#	83
88) Benzo(k)fluoranthene	14.73	252	64941	7.92 nq	#	87
89) Benzo(a)pyrene	15.05	252	26583	3.35 nq	#	75
91) Benzo(g,h,i)perylene	16.78	276	16535	2.11 nq	#	87

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

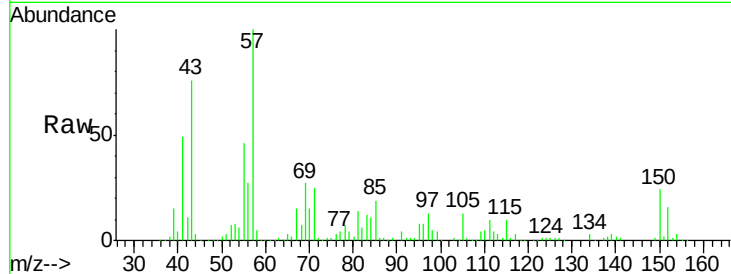


#1

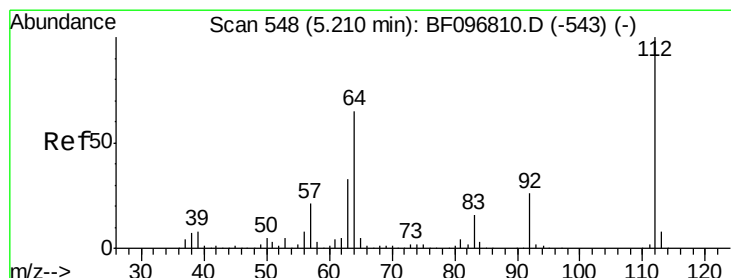
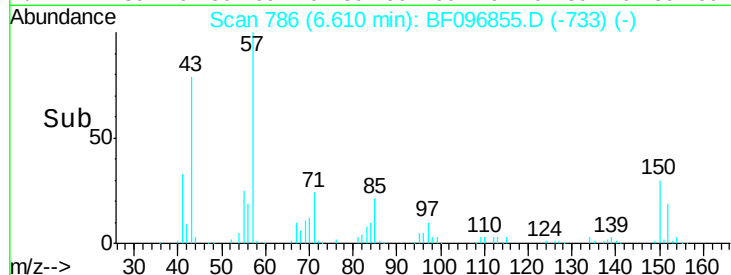
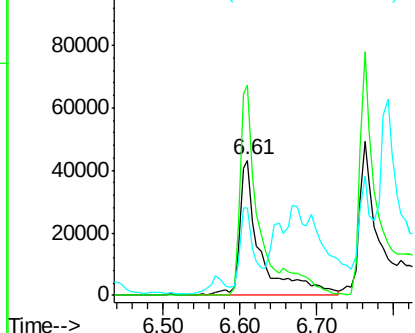
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.61 min Scan# 786
Delta R.T. 0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Instrument :
BNA_F
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Tot Ion:152 Resp: 82608
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 65.1 52.2 78.2



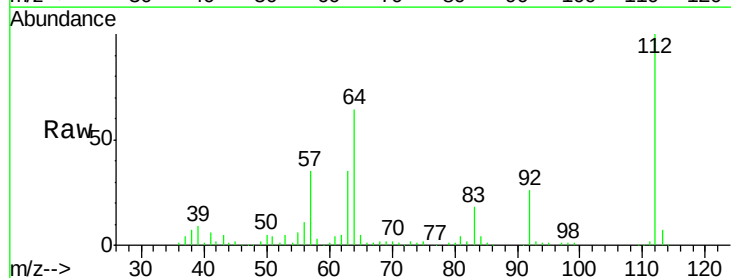
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



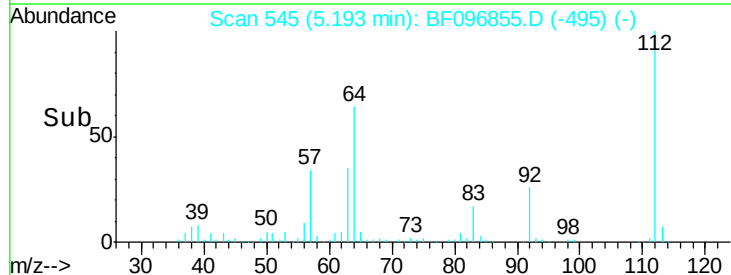
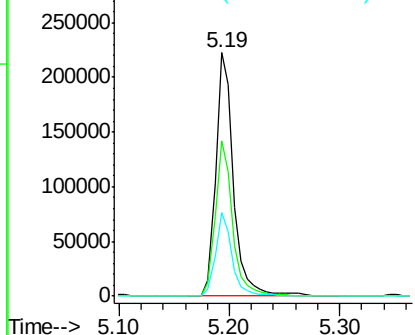
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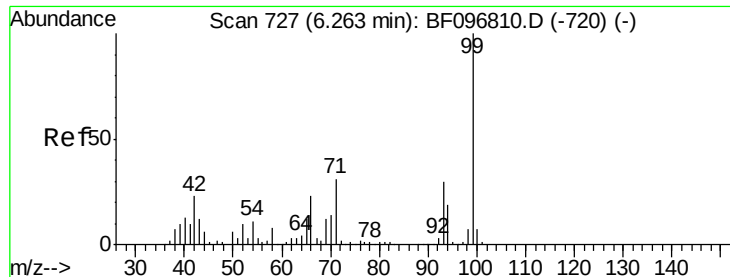
2-Fluorophenol
Concen: 45.04 ng
RT: 5.19 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:112 Resp: 247477
Ion Ratio Lower Upper
112 100
64 64.0 46.0 69.0
63 34.5 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: 42.74 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

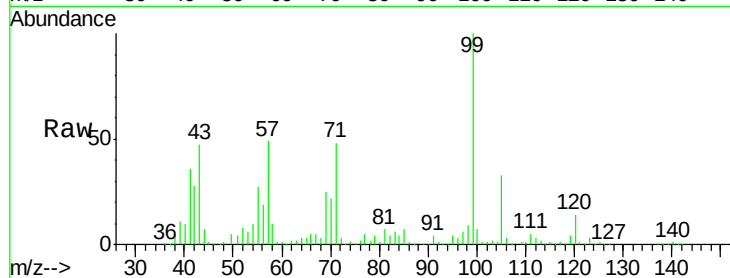
Tot Ion: 99 Resp: 281796

Ion Ratio Lower Upper

99 100

42 28.0 13.5 20.3#

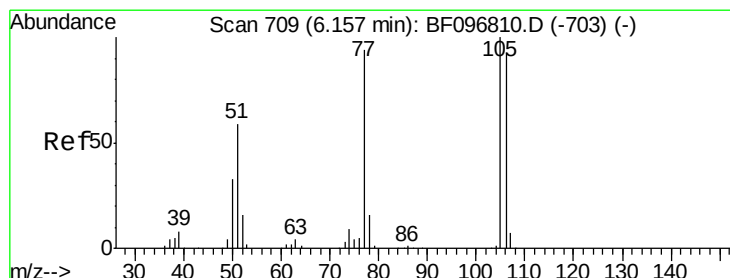
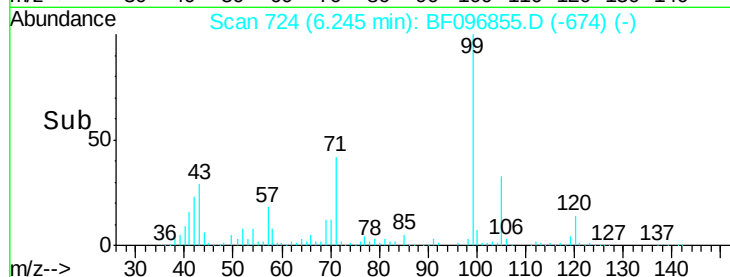
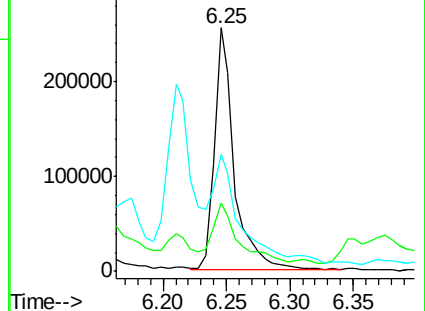
71 48.0 24.5 36.7#



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



#9

Benzaldehyde

Concen: 11.75 ng

RT: 6.16 min Scan# 710

Delta R.T. 0.02 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

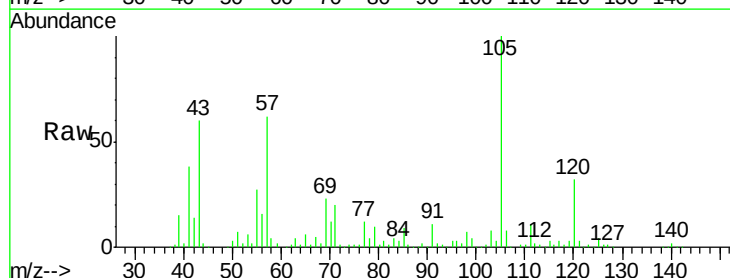
Tgt Ion: 77 Resp: 44760

Ion Ratio Lower Upper

77 100

105 822.3 83.8 123.8#

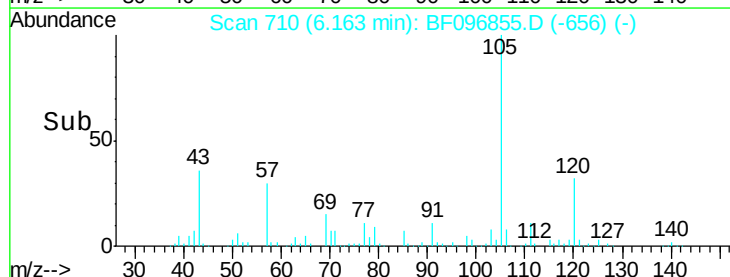
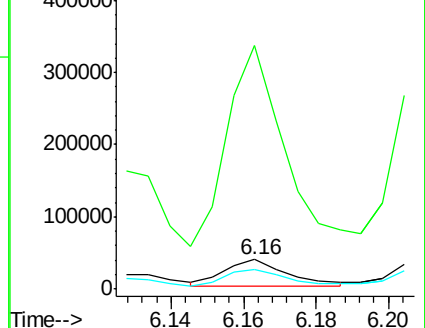
106 67.5 79.1 119.1#

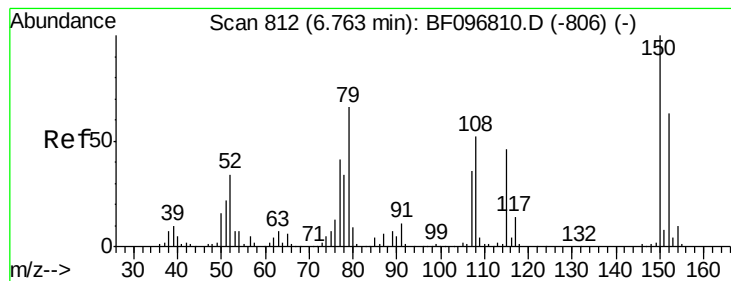


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 19.29 ng

RT: 6.67 min Scan# 796

Delta R.T. -0.08 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

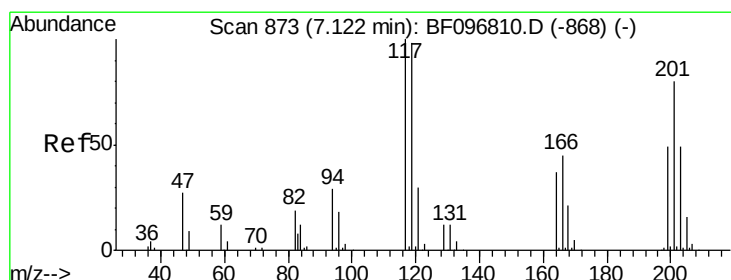
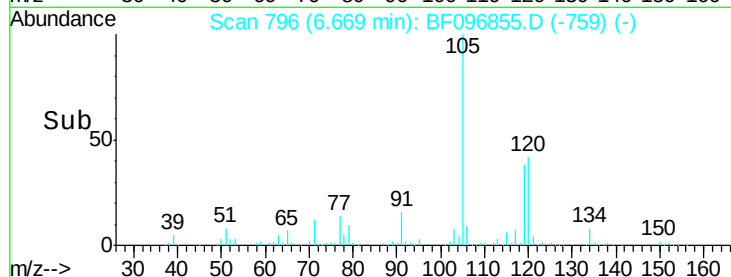
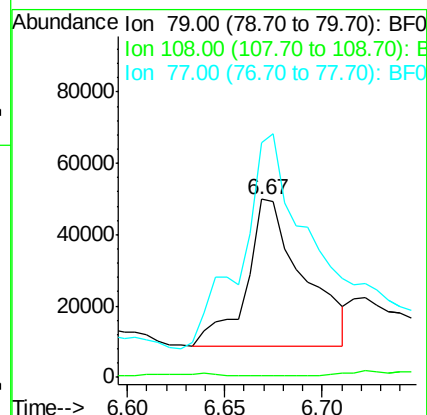
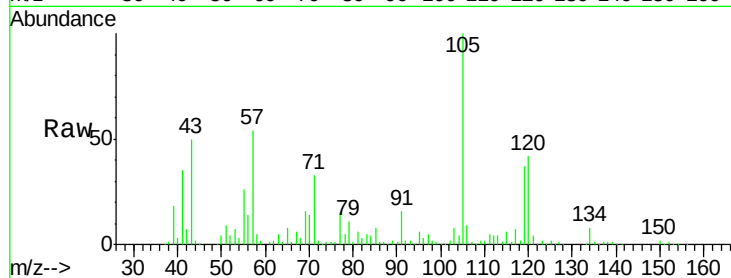
Tot Ion: 79 Resp: 83255

Ion Ratio Lower Upper

79 100

108 1.3 63.4 95.0#

77 131.8 49.2 73.8#



#18

Hexachloroethane

Concen: 34.99 ng

RT: 7.11 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

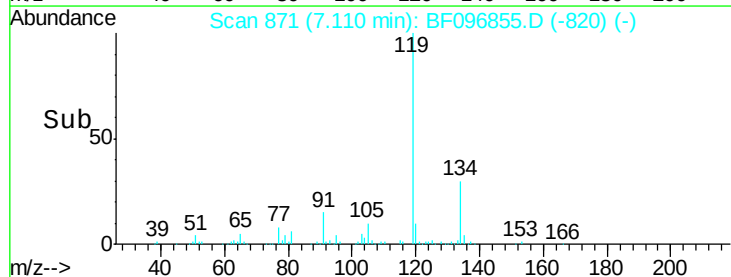
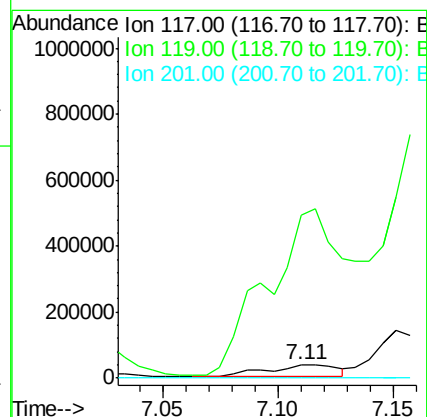
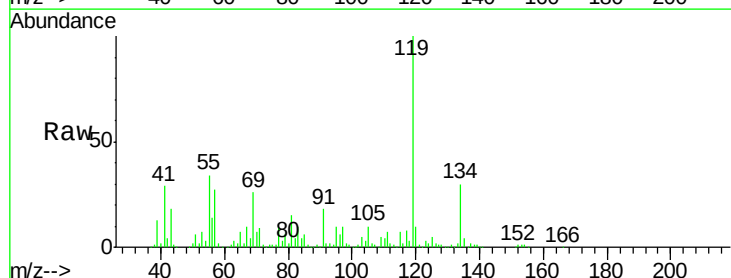
Tgt Ion: 117 Resp: 79159

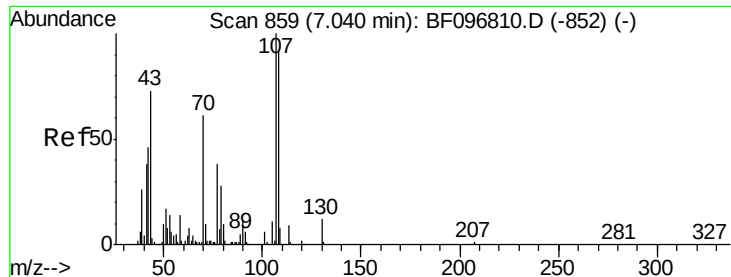
Ion Ratio Lower Upper

117 100

119 1201.2 77.4 116.0#

201 0.0 94.6 141.8#





#19

n-Nitroso-di-n-propylamine

Concen: 59.68 ng

RT: 6.97 min Scan# 848

Delta R.T. -0.05 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

Tot Ion: 70 Resp: 237057

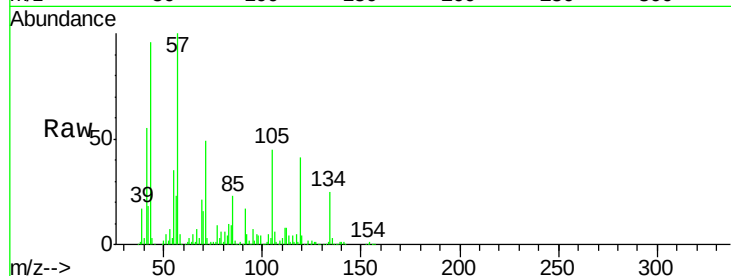
Ion Ratio Lower Upper

70 100

42 114.4 47.2 70.8#

101 1.0 7.2 10.8#

130 0.0 15.9 23.9#



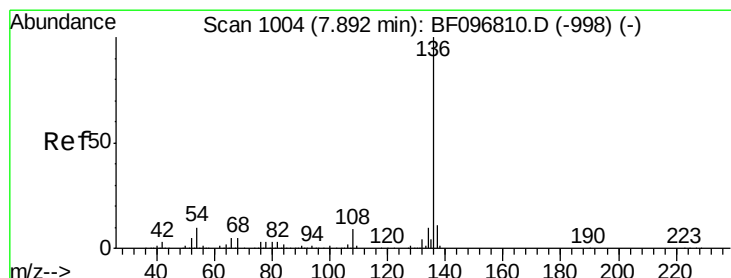
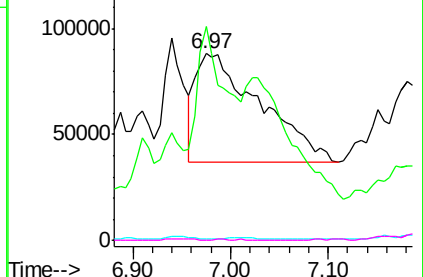
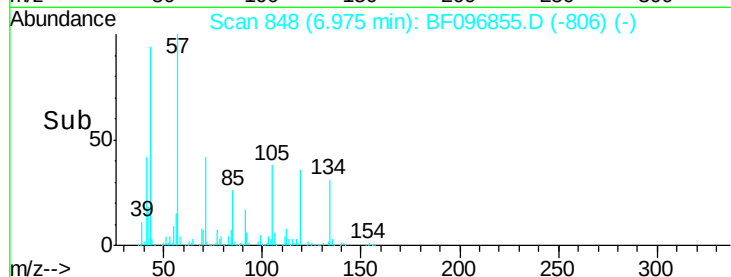
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Tgt Ion: 136 Resp: 120383

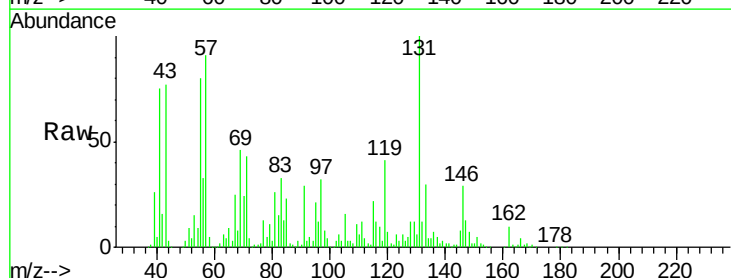
Ion Ratio Lower Upper

136 100

137 64.3 8.5 12.7#

54 120.7 4.9 7.3#

68 111.9 4.1 6.1#



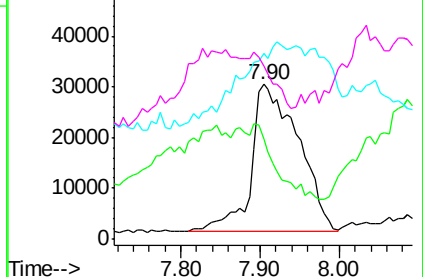
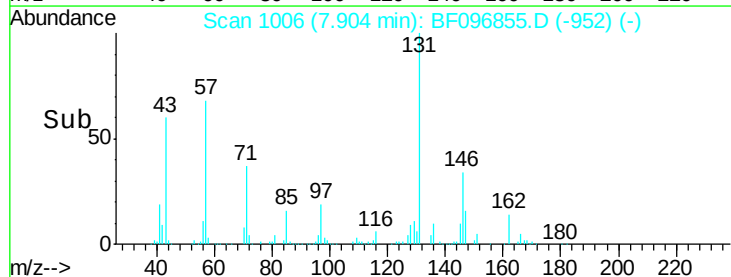
Abundance Ion 136.00 (135.70 to 136.70): E

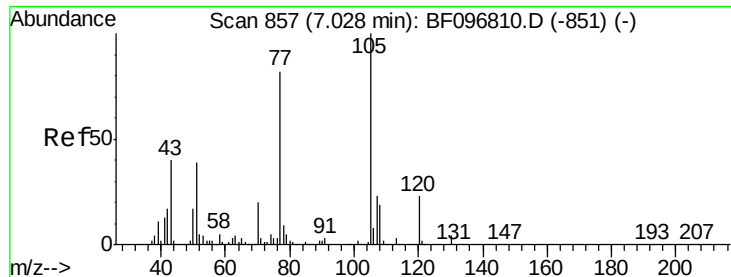
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

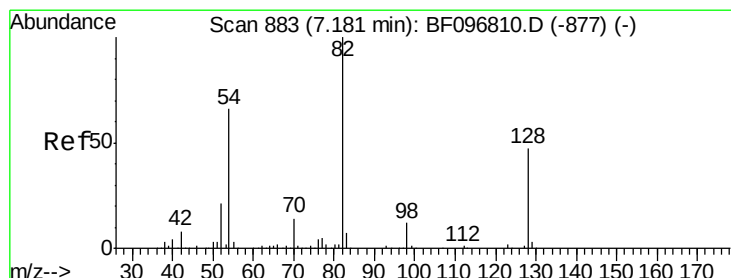
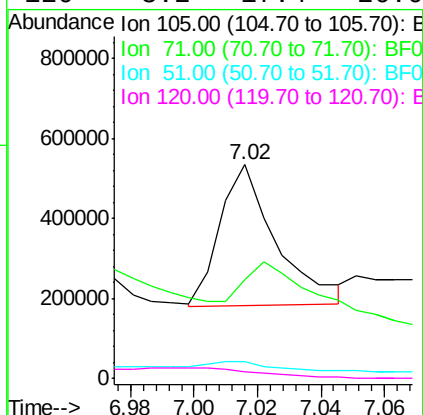
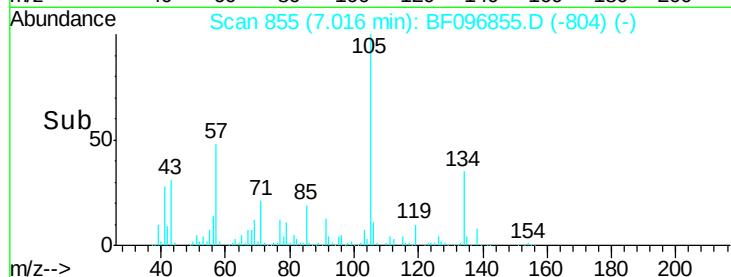
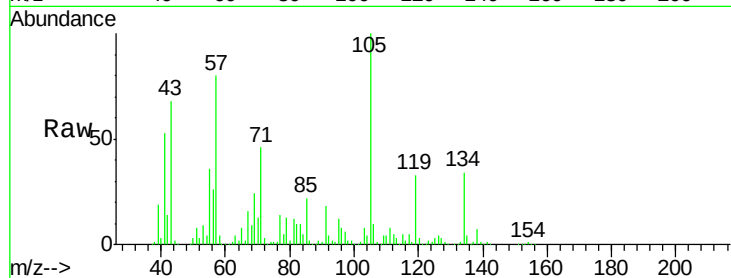




#22
Acetophenone
Concen: 159.85 ng
RT: 7.02 min Scan# 855
Delta R.T. 0.00 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

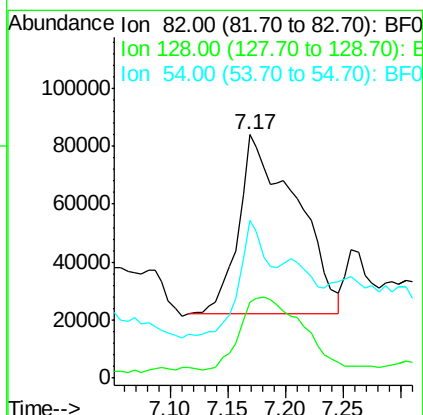
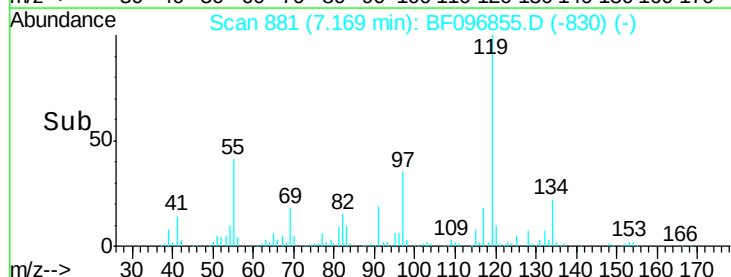
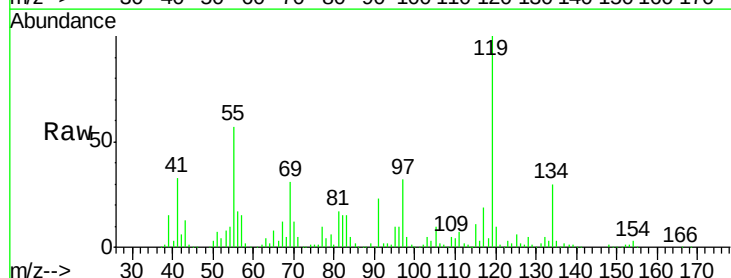
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

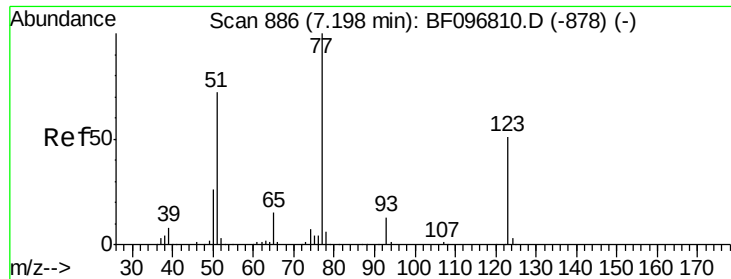
Tot Ion:105 Resp: 430084
Ion Ratio Lower Upper
105 100
71 45.9 2.8 4.2#
51 7.7 30.7 46.1#
120 3.2 17.4 26.0#



#23
Nitrobenzene-d5
Concen: 110.91 ng
RT: 7.17 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion: 82 Resp: 215559
Ion Ratio Lower Upper
82 100
128 31.4 34.0 51.0#
54 64.8 42.2 63.2#

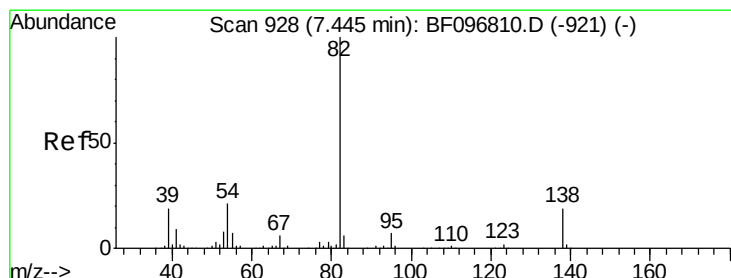
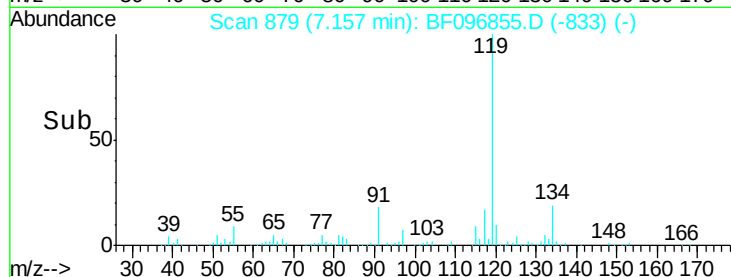
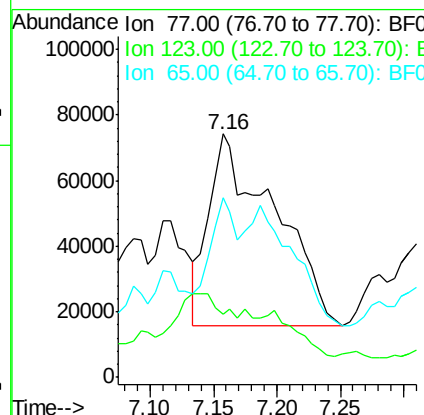
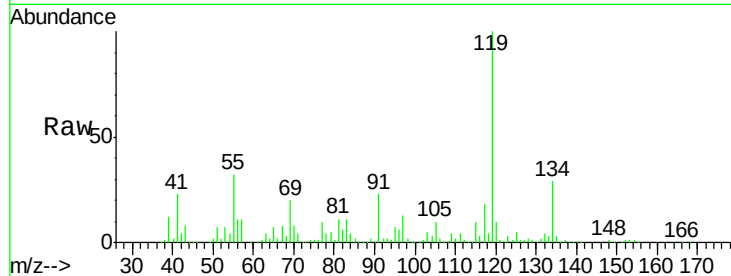




#24
Nitrobenzene
Concen: 105.43 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

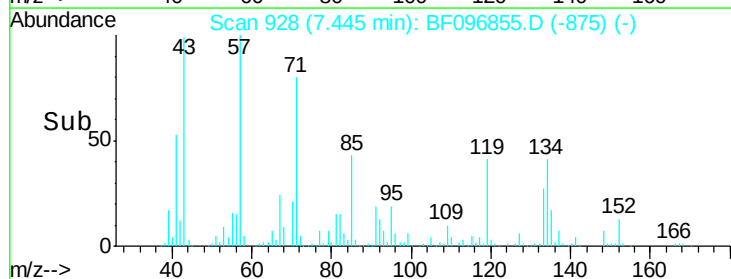
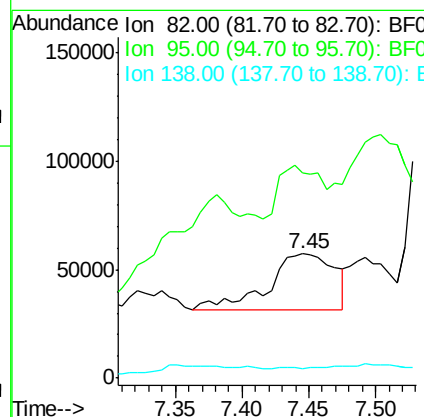
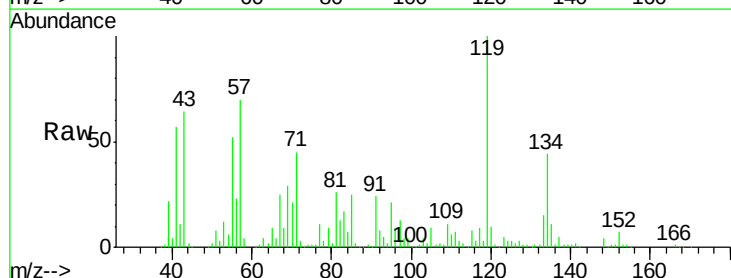
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

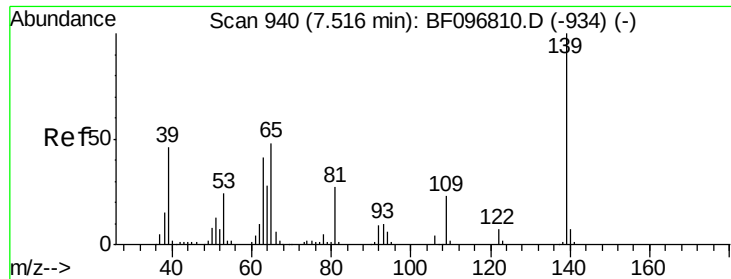
Tot Ion: 77 Resp: 211912
Ion Ratio Lower Upper
77 100
123 26.1 35.8 53.8#
65 74.0 10.6 15.8#



#25
Isophorone
Concen: 24.95 ng
RT: 7.45 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion: 82 Resp: 90206
Ion Ratio Lower Upper
82 100
95 164.5 5.3 7.9#
138 8.0 13.1 19.7#





#26

2-Nitrophenol

Concen: 8.46 ng

RT: 7.50 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

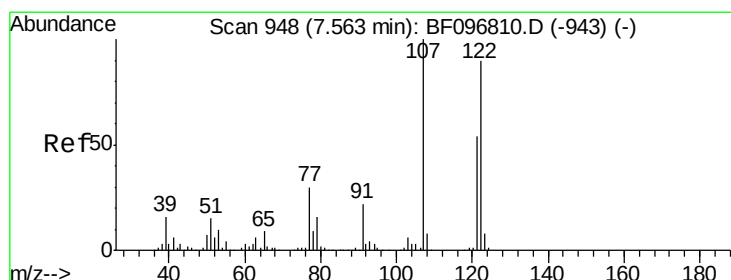
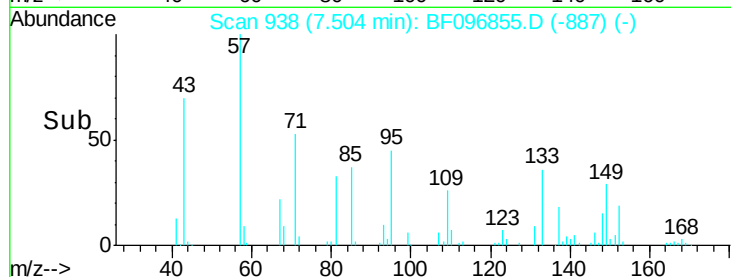
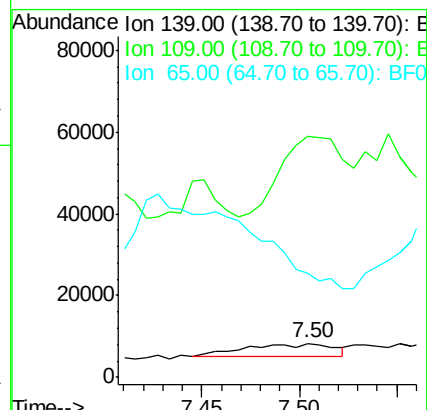
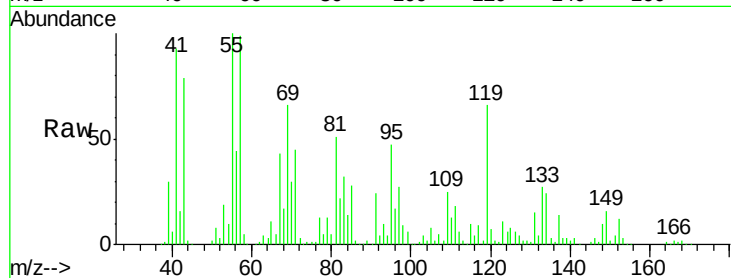
Tot Ion:139 Resp: 9459

Ion Ratio Lower Upper

139 100

109 708.8 21.0 31.6#

65 307.7 33.0 49.6#



#27

2,4-Dimethylphenol

Concen: 4.68 ng

RT: 7.56 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

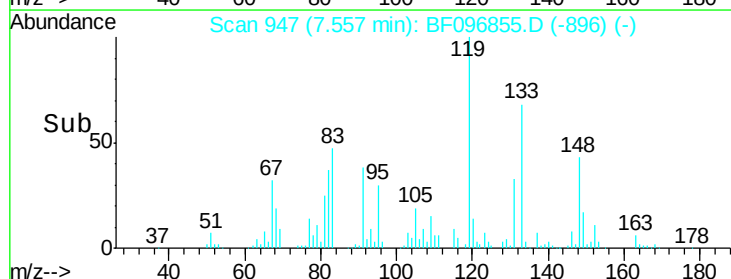
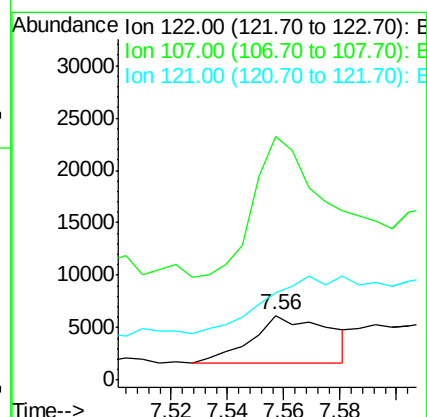
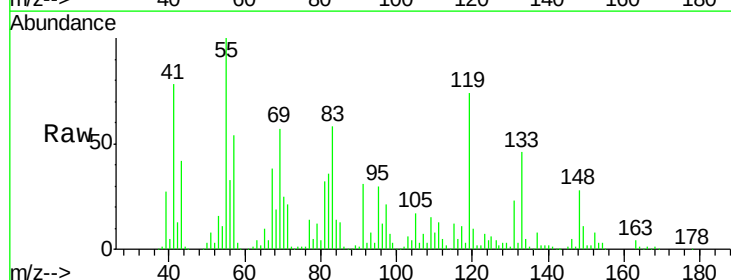
Tgt Ion:122 Resp: 8613

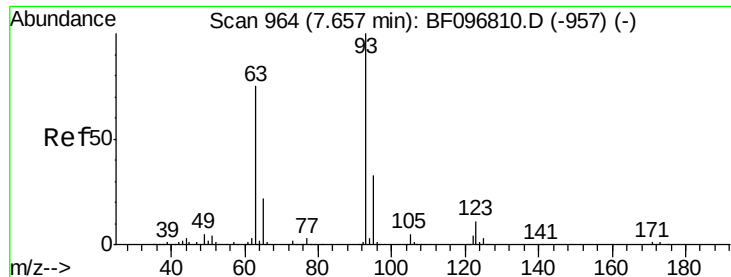
Ion Ratio Lower Upper

122 100

107 377.4 89.2 133.8#

121 135.3 45.2 67.8#

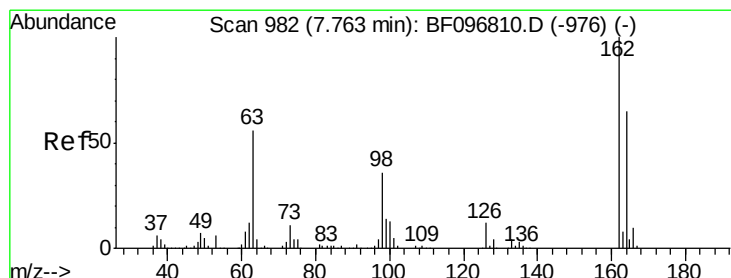
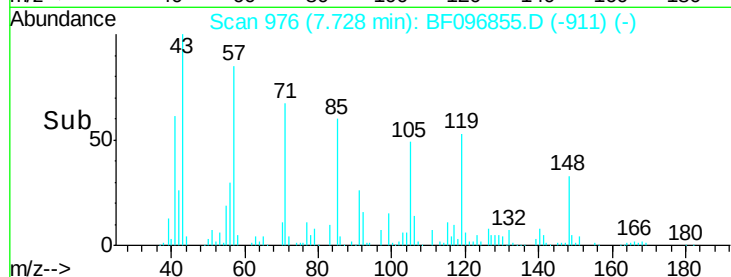
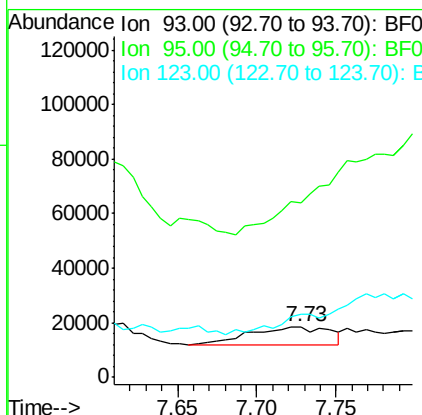
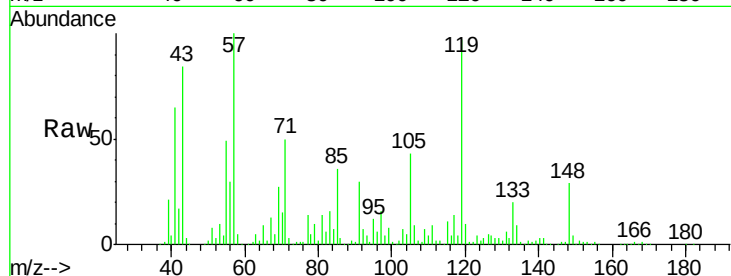




#28
bis(2-Chloroethoxy)methane
Concen: 9.26 ng
RT: 7.73 min Scan# 976
Delta R.T. 0.08 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

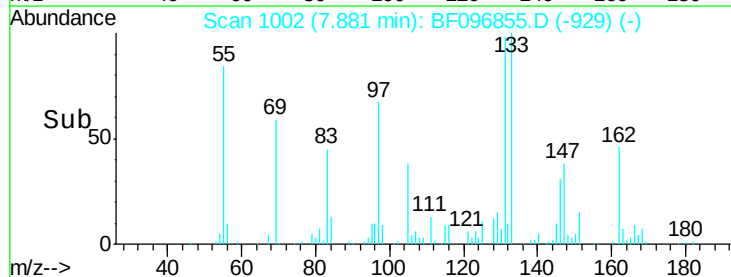
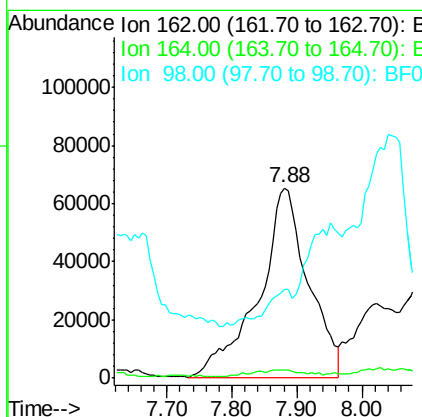
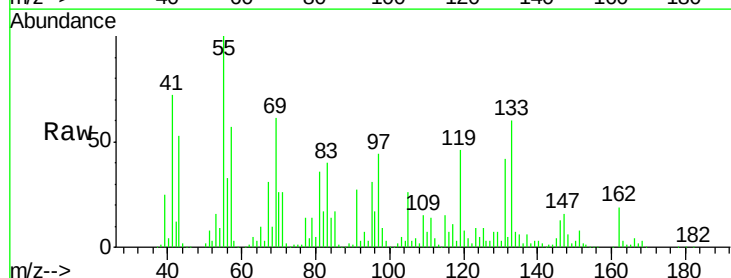
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

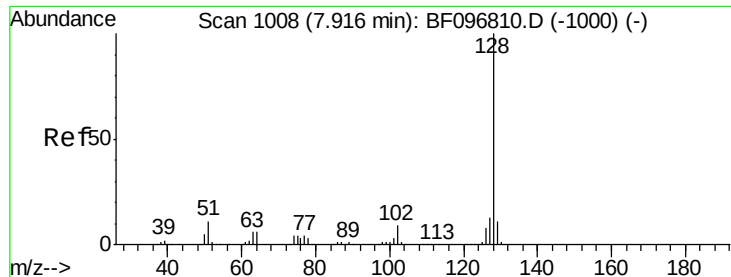
Tot Ion: 93 Resp: 22628
Ion Ratio Lower Upper
93 100
95 343.1 26.5 39.7#
123 124.0 9.0 13.4#



#29
2,4-Dichlorophenol
Concen: 209.22 ng
RT: 7.88 min Scan# 1002
Delta R.T. 0.13 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion: 162 Resp: 348230
Ion Ratio Lower Upper
162 100
164 4.5 44.6 84.6#
98 46.5 14.8 54.8

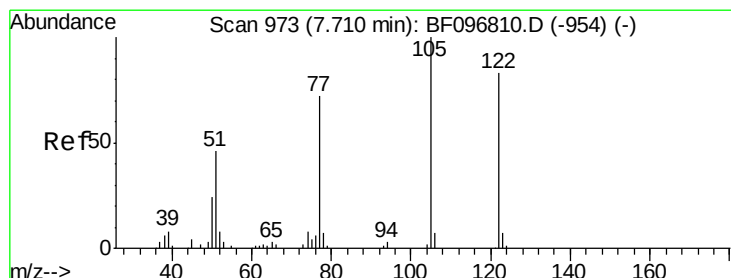
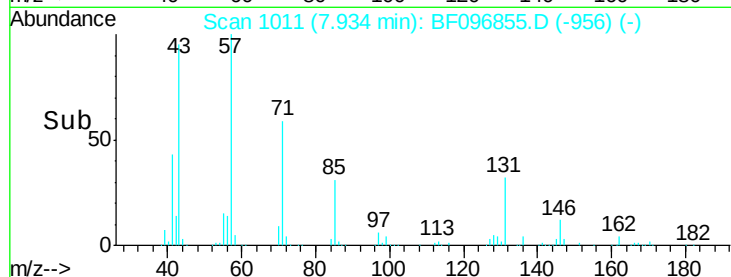
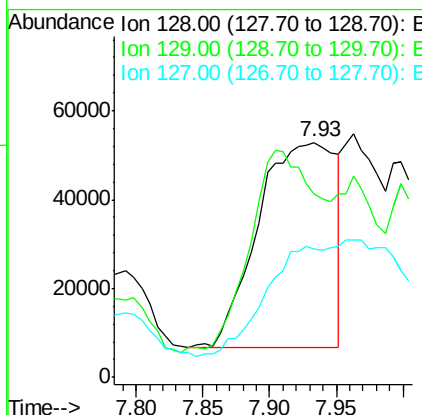
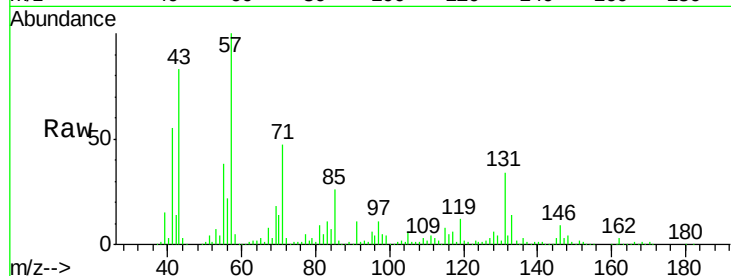




#31
Naphthalene
Concen: 32.64 ng
RT: 7.93 min Scan# 1011
Delta R.T. 0.02 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

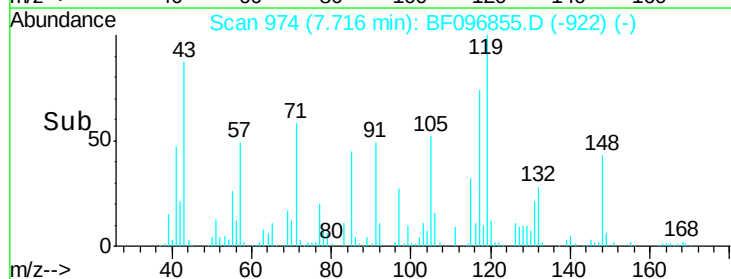
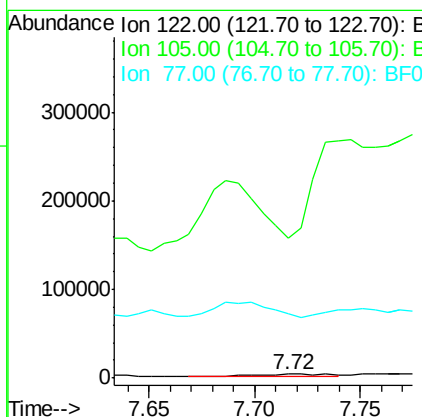
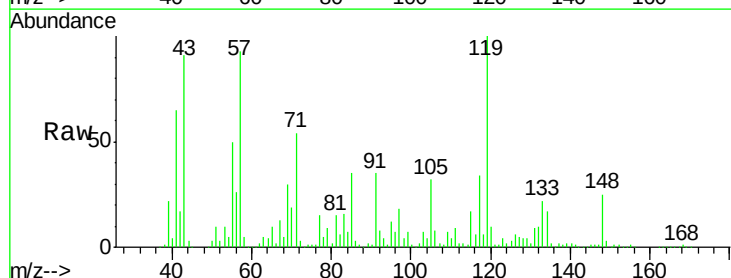
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

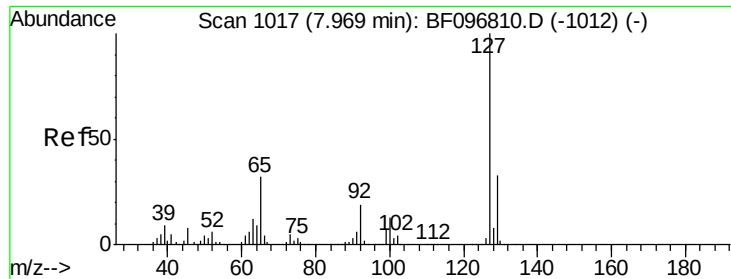
Tot Ion:128 Resp: 186134
Ion Ratio Lower Upper
128 100
129 78.4 9.0 13.6#
127 54.5 10.8 16.2#



#32
Benzoic acid
Concen: 4.81 ng
RT: 7.72 min Scan# 974
Delta R.T. 0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:122 Resp: 5648
Ion Ratio Lower Upper
122 100
105 3634.0 103.3 143.3#
77 1669.6 73.7 113.7#

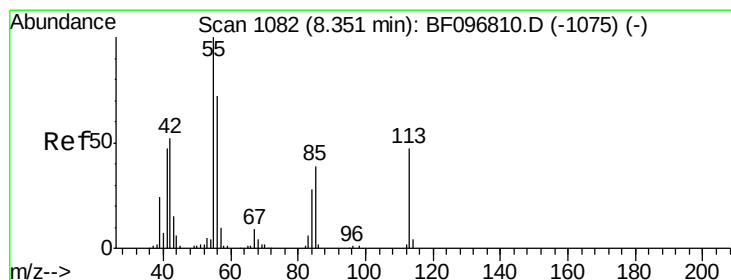
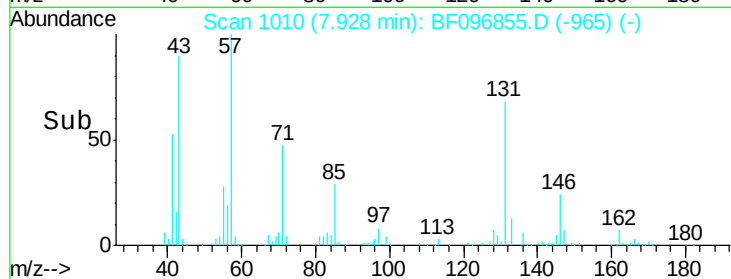
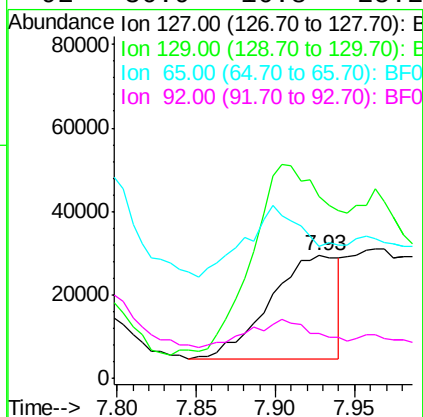
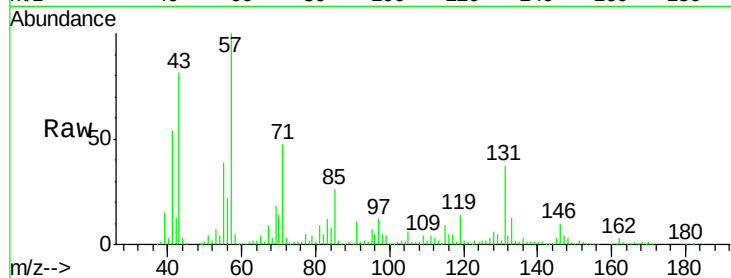




#33
4-Chloroaniline
Concen: 32.78 ng
RT: 7.93 min Scan# 1010
Delta R.T. -0.04 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

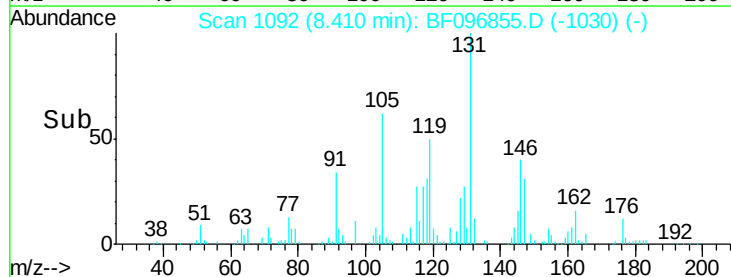
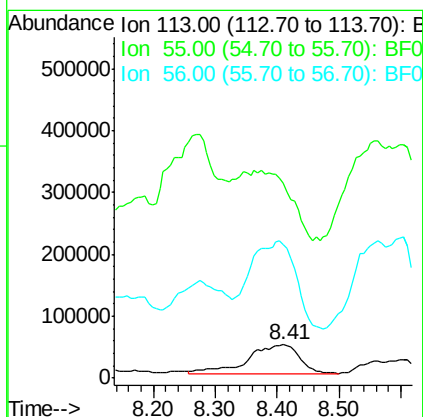
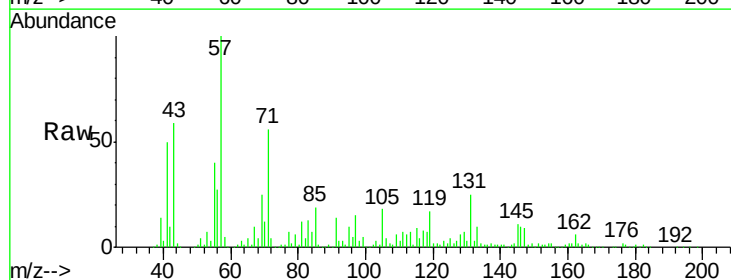
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

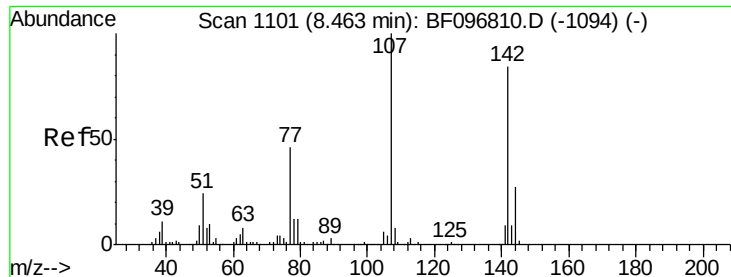
Tot Ion:127	Resp:	74059
Ion Ratio	Lower	Upper
127	100	
129	148.3	26.2 39.2#
65	107.4	27.8 41.8#
92	36.9	16.8 25.2#



#35
Caprolactam
Concen: 497.71 ng
RT: 8.41 min Scan# 1092
Delta R.T. 0.06 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:113	Resp:	265428
Ion Ratio	Lower	Upper
113	100	
55	590.8	150.2 190.2#
56	405.3	107.8 147.8#





#36

4-Chloro-3-methylphenol

Concen: 6.08 ng

RT: 8.40 min Scan# 1090

Delta R.T. -0.05 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

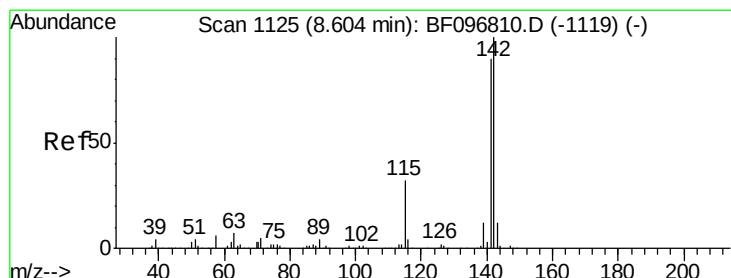
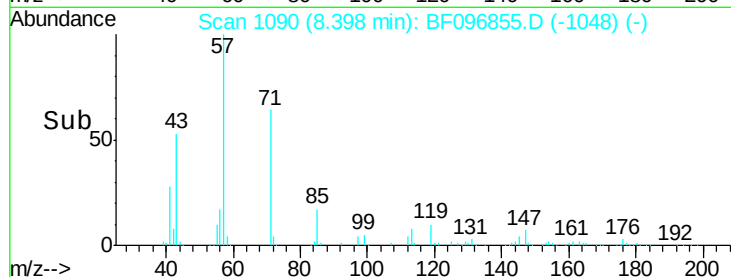
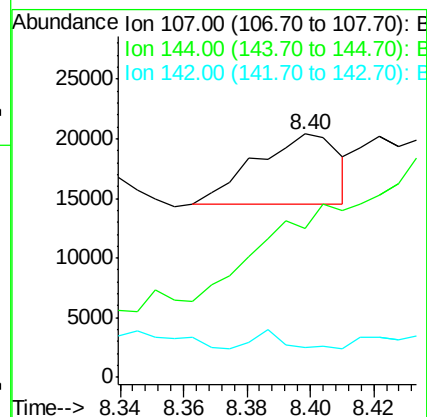
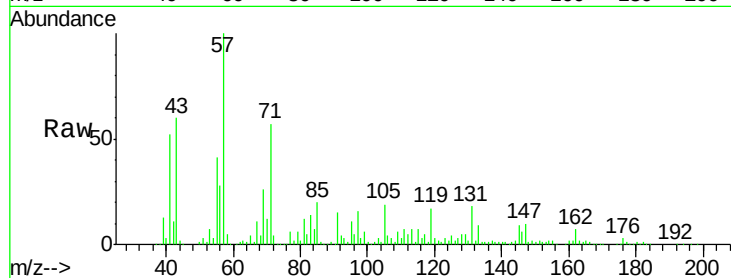
Tot Ion:107 Resp: 10885

Ion Ratio Lower Upper

107 100

144 61.4 24.2 36.4#

142 12.4 73.4 110.0#



#37

2-Methylnaphthalene

Concen: 381.05 ng

RT: 8.69 min Scan# 1139

Delta R.T. 0.09 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

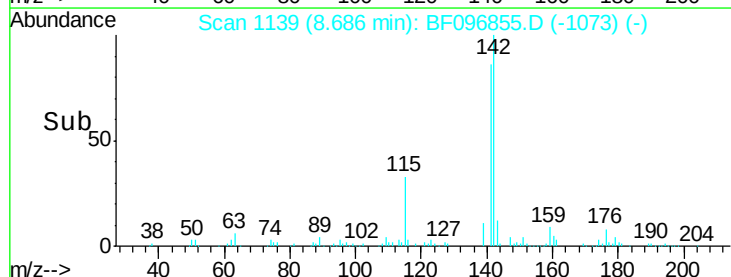
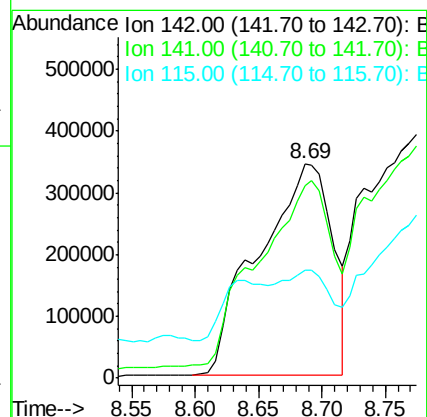
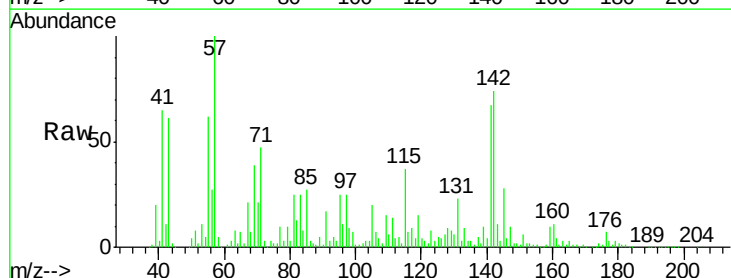
Tgt Ion:142 Resp: 1385386

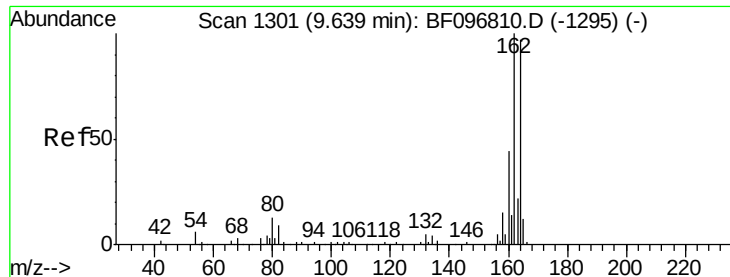
Ion Ratio Lower Upper

142 100

141 89.5 71.3 106.9

115 50.3 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: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

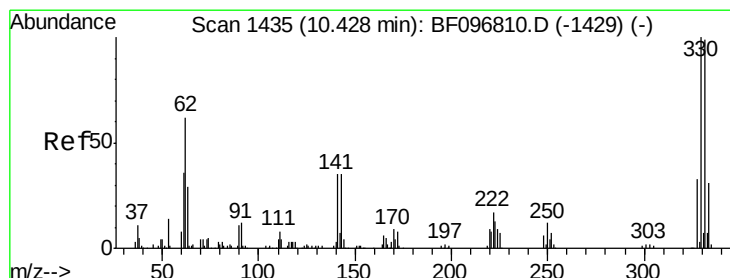
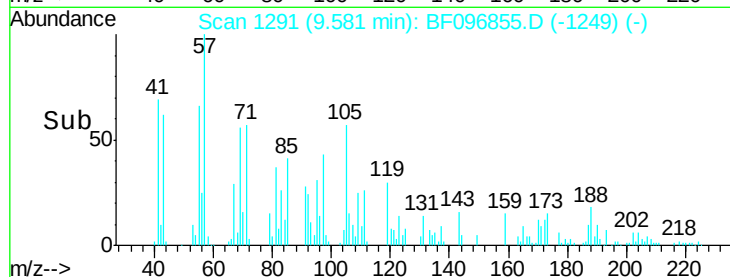
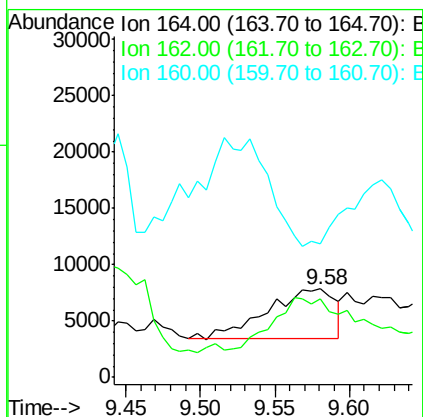
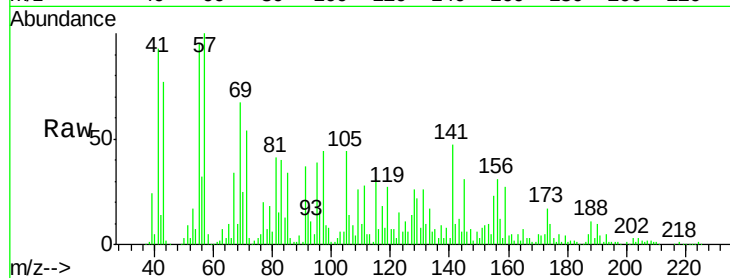
Tot Ion:164 Resp: 14075

Ion Ratio Lower Upper

164 100

162 88.7 82.6 123.8

160 150.7 36.2 54.2#



#41

2,4,6-Tribromophenol

Concen: 107.26 ng

RT: 10.53 min Scan# 1453

Delta R.T. 0.11 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

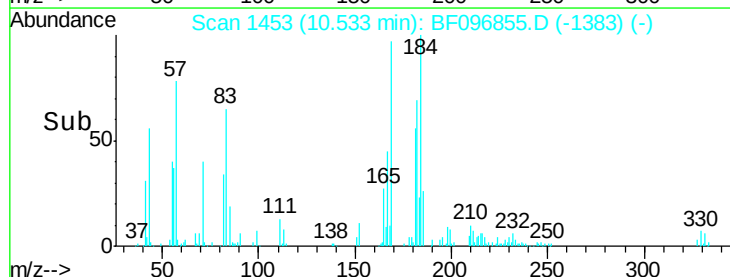
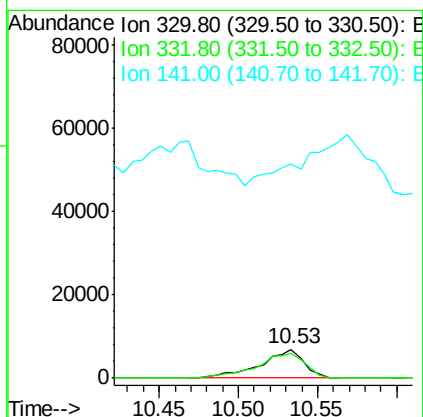
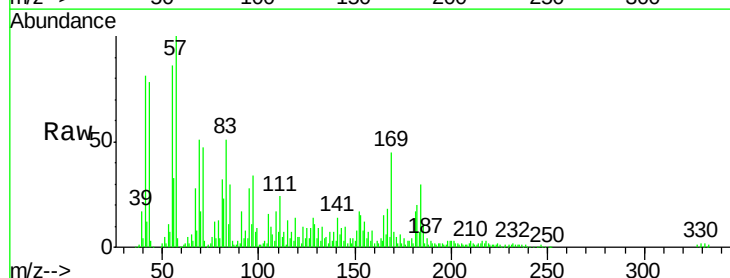
Tgt Ion:330 Resp: 12886

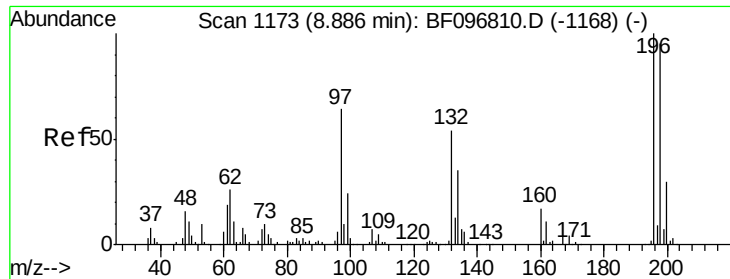
Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

141 0.0 31.4 47.2#

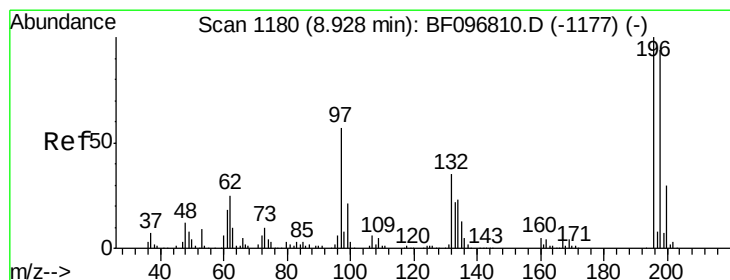
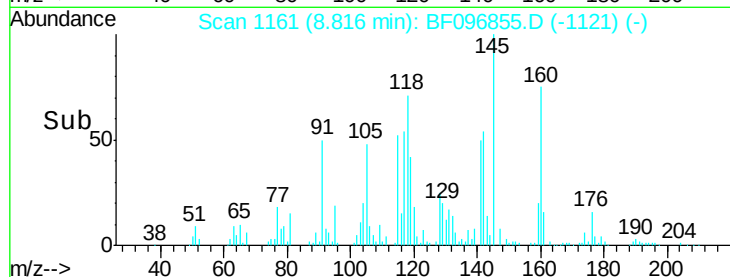
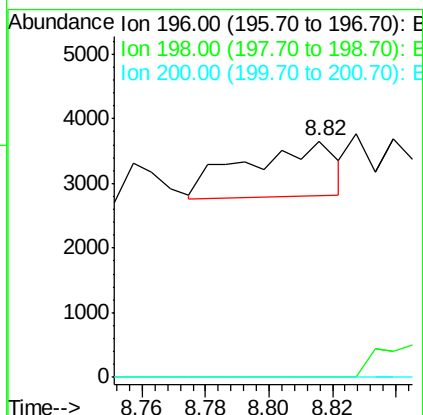
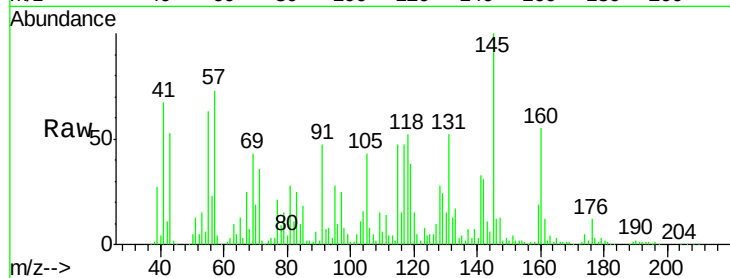




#42
 2,4,6-Trichlorophenol
 Concen: 5.86 ng
 RT: 8.82 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

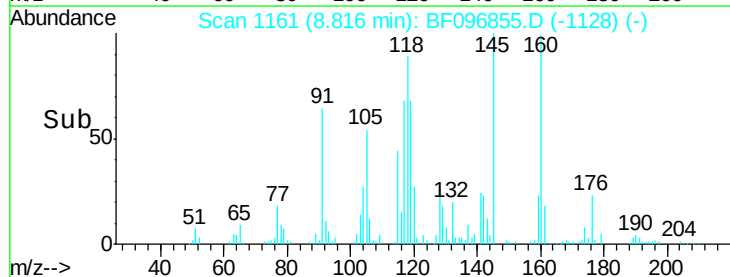
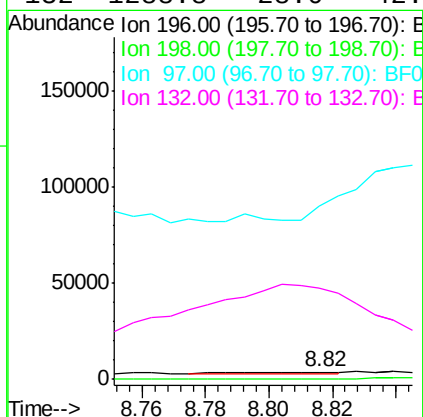
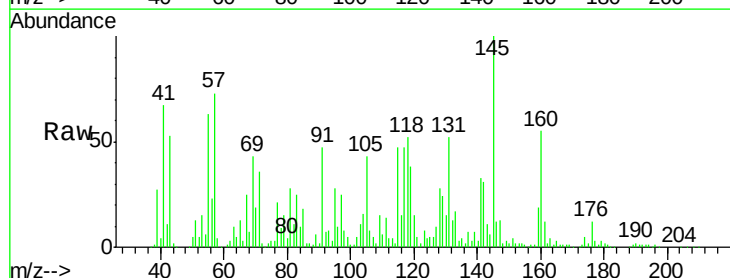
Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

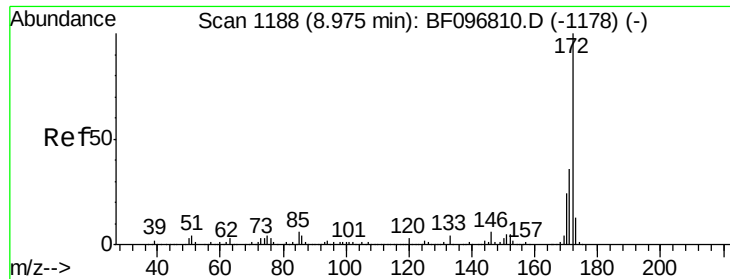
Tot Ion:196 Resp: 1644
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.2 111.4#
 200 0.0 24.0 36.0#



#43
 2,4,5-Trichlorophenol
 Concen: 5.81 ng
 RT: 8.82 min Scan# 1161
 Delta R.T. -0.11 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Tgt Ion:196 Resp: 1644
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.7 113.5#
 97 2454.5 47.7 71.5#
 132 1288.8 28.0 42.0#





#44

2-Fluorobiphenyl

Concen: 115.83 ng

RT: 9.03 min Scan# 1198

Delta R.T. 0.07 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

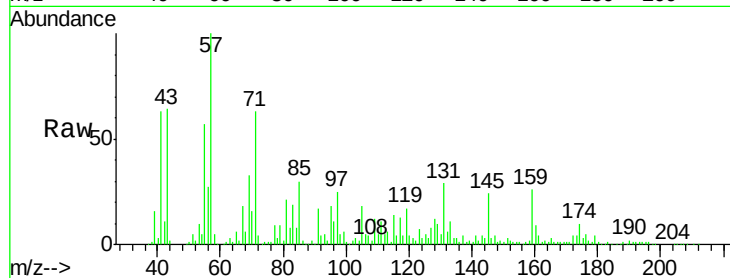
Tot Ion:172 Resp: 103191

Ion Ratio Lower Upper

172 100

171 33.5 29.6 44.4

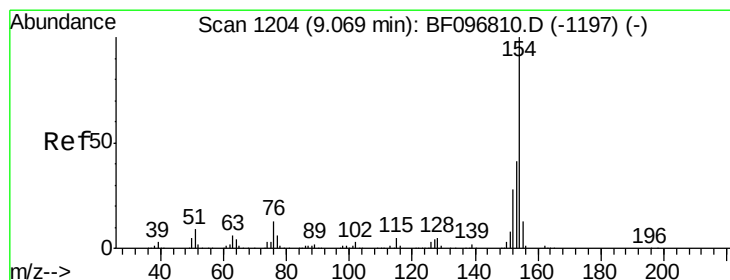
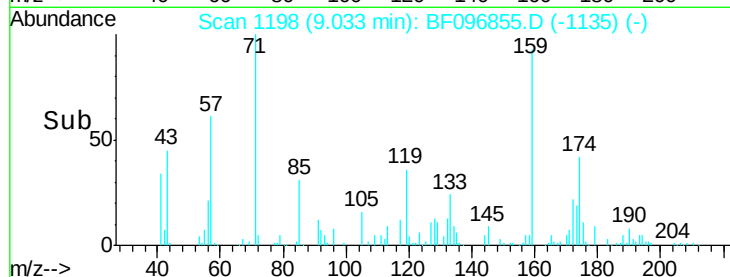
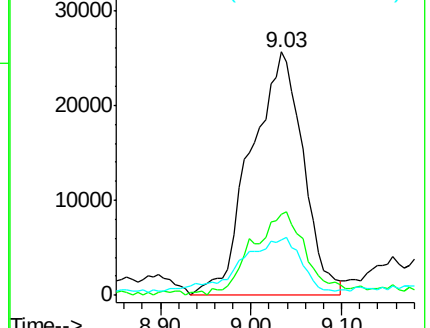
170 22.9 19.8 29.8



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



#45

1,1'-Biphenyl

Concen: 172.90 ng

RT: 9.11 min Scan# 1211

Delta R.T. 0.05 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

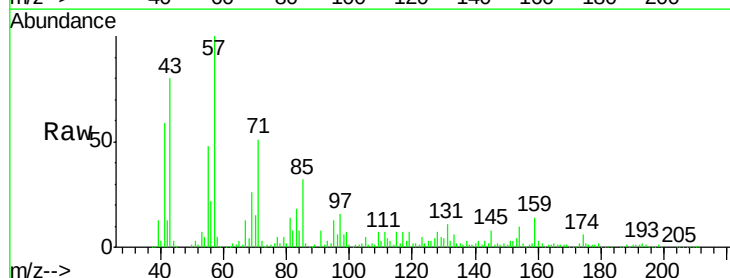
Tgt Ion:154 Resp: 208715

Ion Ratio Lower Upper

154 100

153 43.4 21.2 61.2

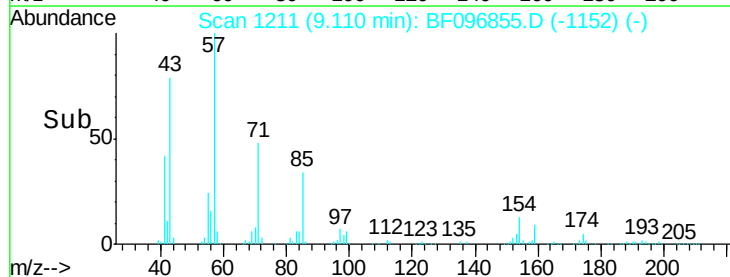
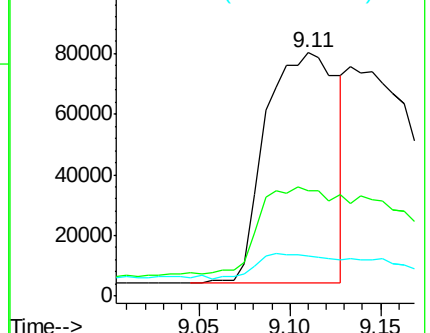
76 16.5 0.0 29.9

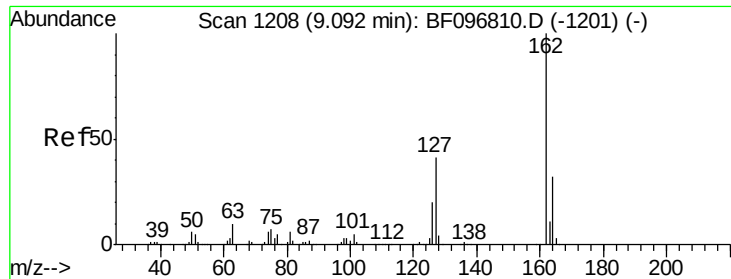


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

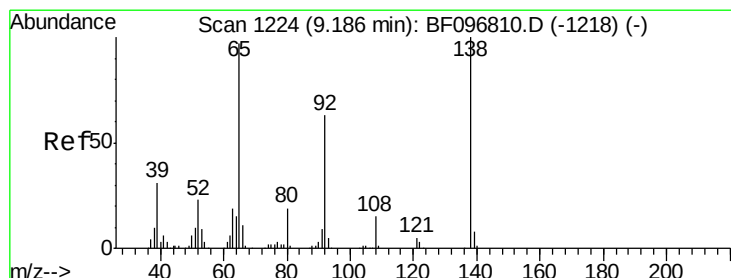
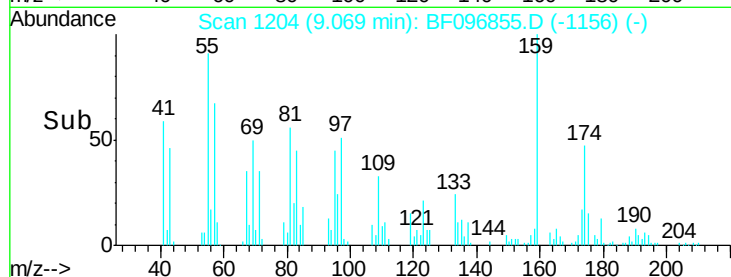
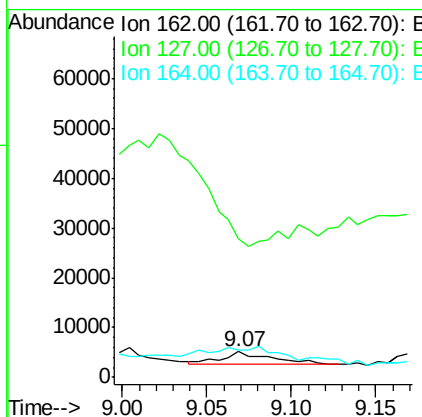
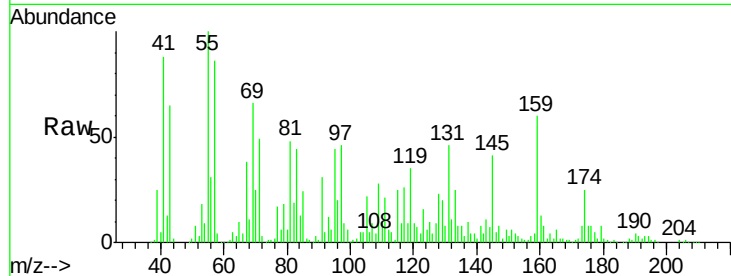




#46
2-Chloronaphthalene
Concen: 5.98 ng
RT: 9.07 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

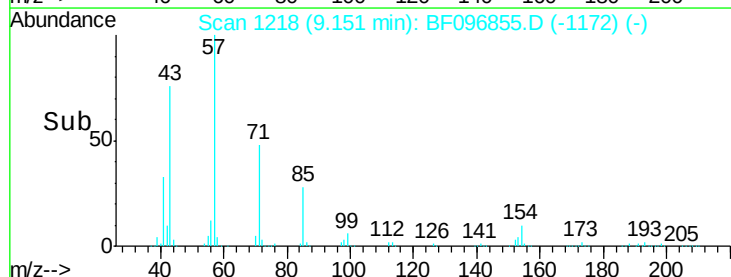
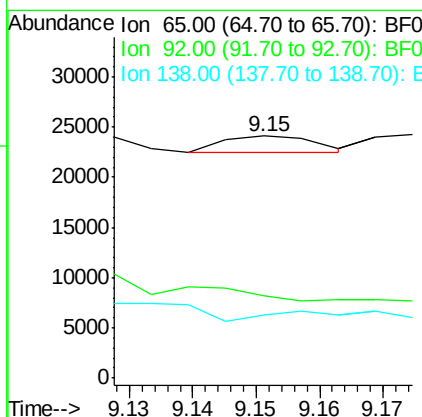
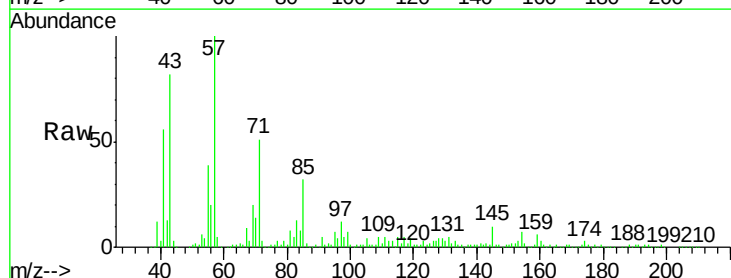
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

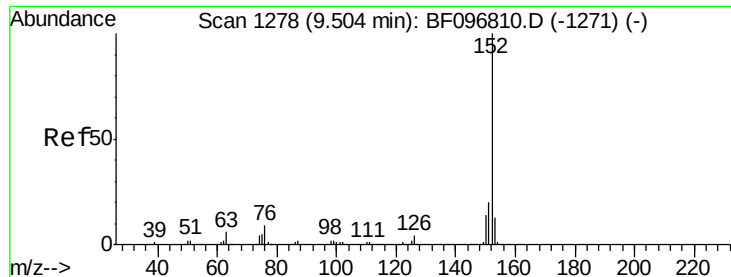
Tot Ion:162 Resp: 5313
Ion Ratio Lower Upper
162 100
127 545.4 28.3 42.5#
164 109.1 27.0 40.4#



#47
2-Nitroaniline
Concen: 5.41 ng
RT: 9.15 min Scan# 1218
Delta R.T. -0.03 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion: 65 Resp: 1652
Ion Ratio Lower Upper
65 100
92 34.1 53.9 80.9#
138 26.0 78.8 118.2#





#48

Acenaphthylene

Concen: 293.91 ng

RT: 9.36 min Scan# 1254

Delta R.T. -0.13 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

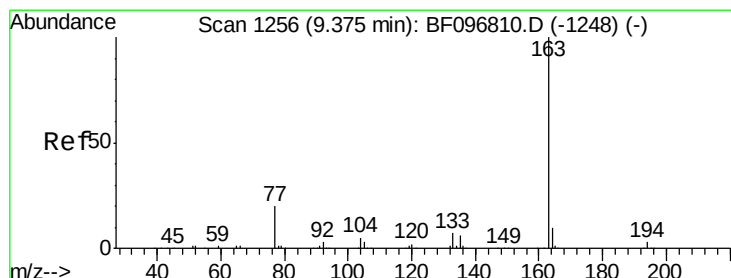
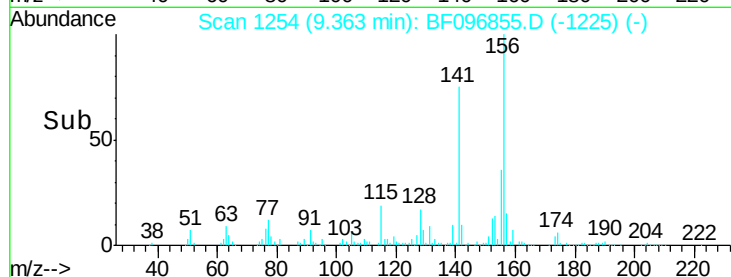
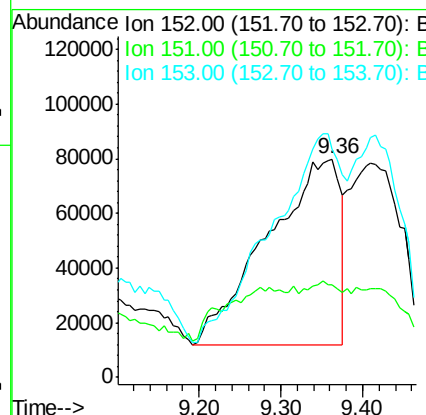
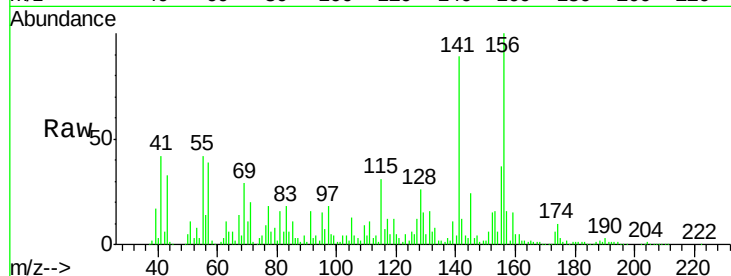
Tot Ion:152 Resp: 416256

Ion Ratio Lower Upper

152 100

151 42.7 16.8 25.2#

153 104.5 10.8 16.2#



#49

Dimethylphthalate

Concen: 7.55 ng

RT: 9.21 min Scan# 1228

Delta R.T. -0.16 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

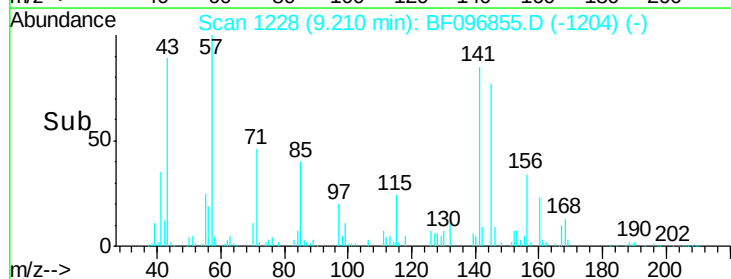
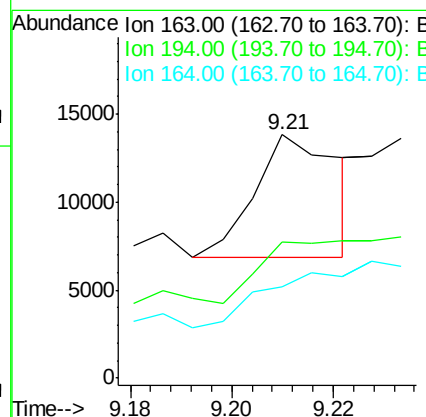
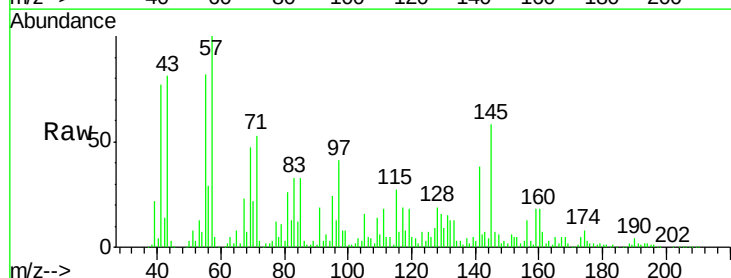
Tgt Ion:163 Resp: 8003

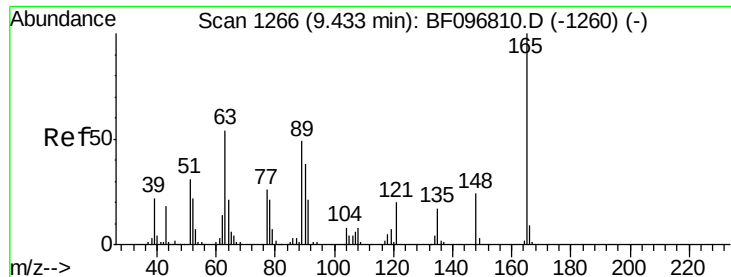
Ion Ratio Lower Upper

163 100

194 55.7 2.6 4.0#

164 37.6 8.4 12.6#

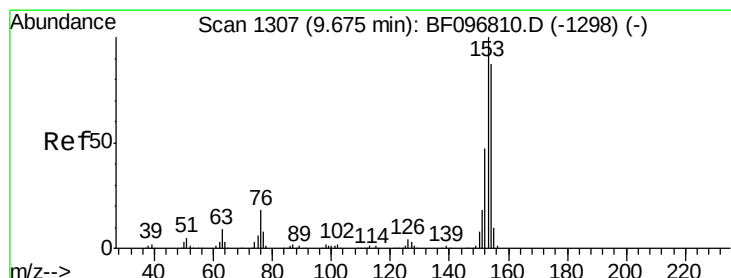
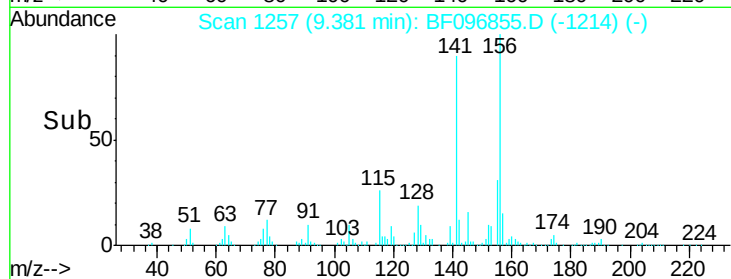
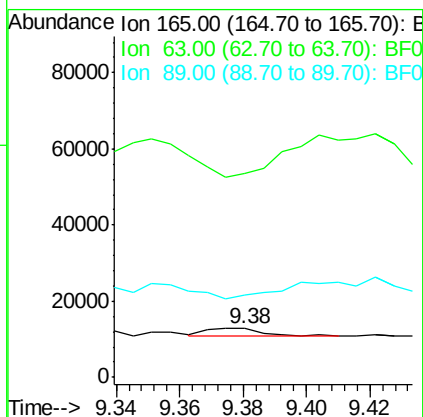
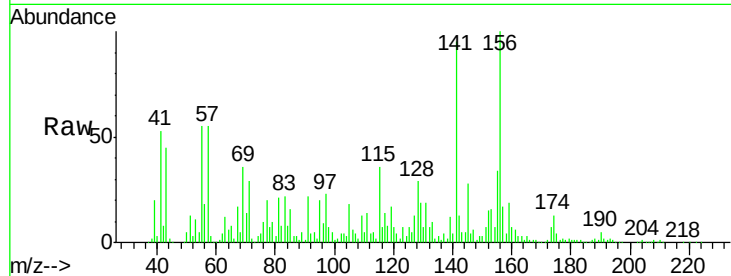




#50
 2,6-Dinitrotoluene
 Concen: 11.33 ng
 RT: 9.38 min Scan# 1257
 Delta R.T. -0.05 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

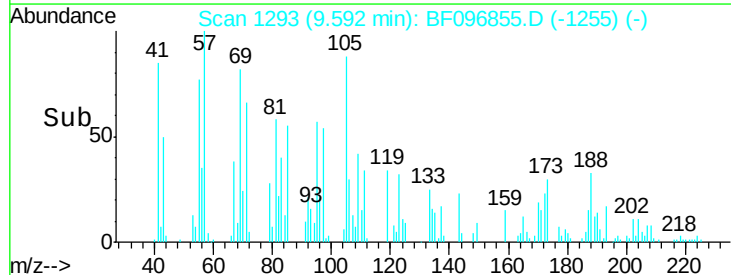
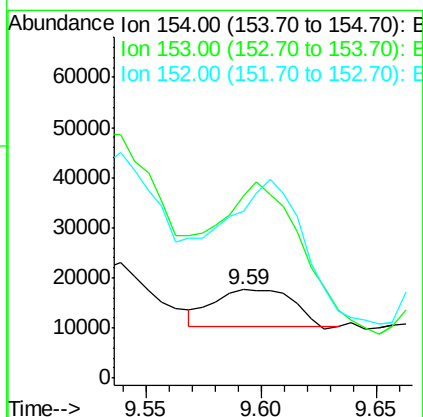
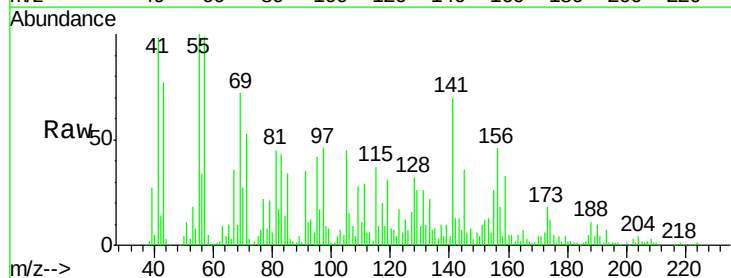
Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

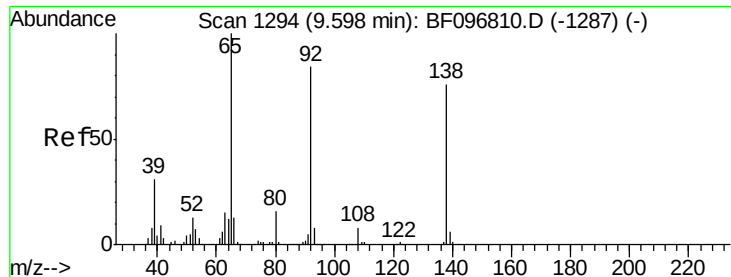
Tot Ion:165 Resp: 2601
 Ion Ratio Lower Upper
 165 100
 63 417.0 34.3 51.5#
 89 168.3 37.1 55.7#



#51
 Acenaphthene
 Concen: 21.11 ng
 RT: 9.59 min Scan# 1293
 Delta R.T. -0.08 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Tgt Ion:154 Resp: 17660
 Ion Ratio Lower Upper
 154 100
 153 206.2 90.5 135.7#
 152 188.3 43.6 65.4#





#52

3-Nitroaniline

Concen: 66.79 ng

RT: 9.56 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

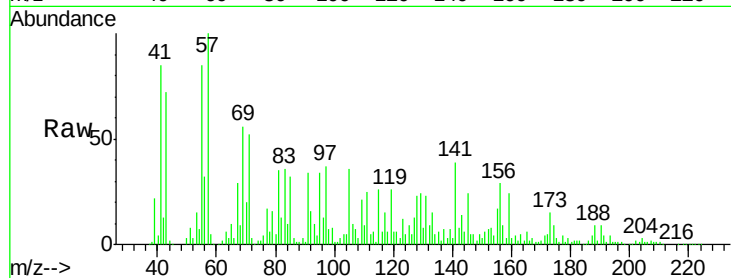
Tot Ion:138 Resp: 18164

Ion Ratio Lower Upper

138 100

108 103.6 9.1 13.7#

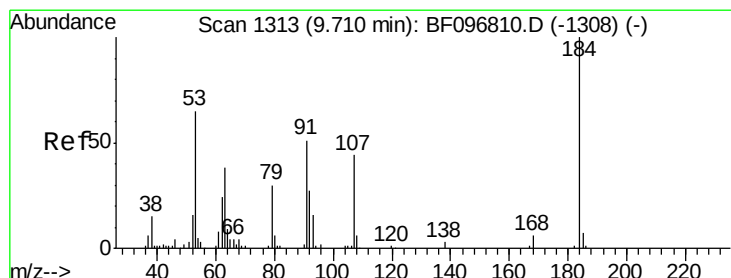
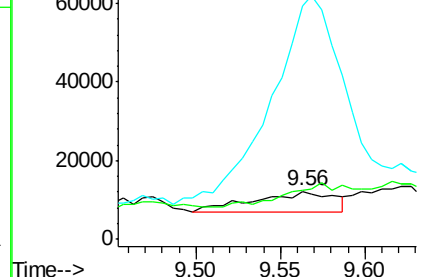
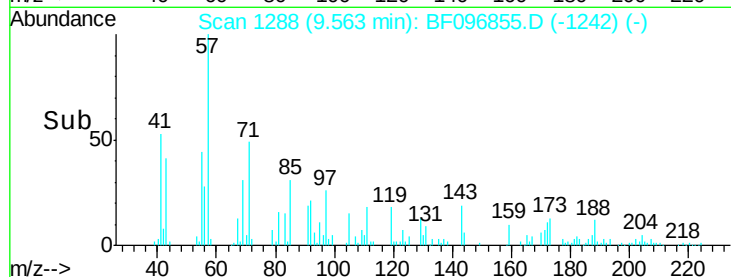
92 487.0 93.8 140.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 12.94 ng

RT: 9.64 min Scan# 1301

Delta R.T. -0.06 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

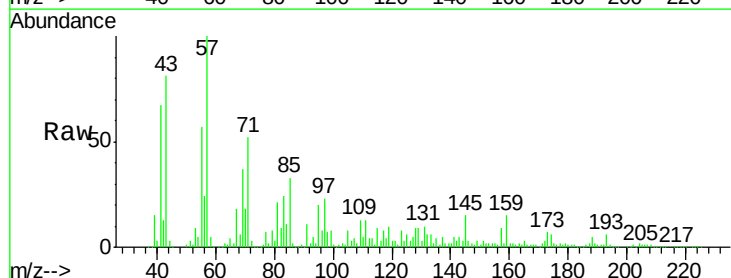
Tgt Ion:184 Resp: 769

Ion Ratio Lower Upper

184 100

63 1788.9 62.7 94.1#

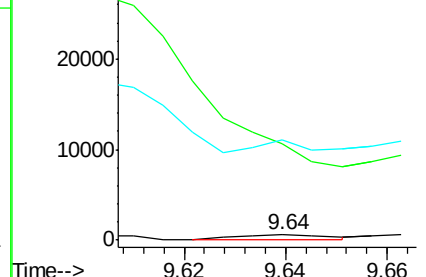
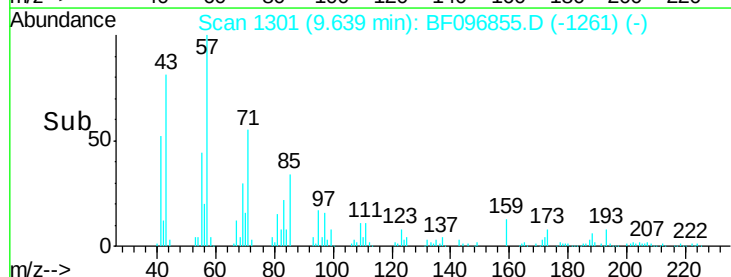
154 1859.6 81.1 121.7#

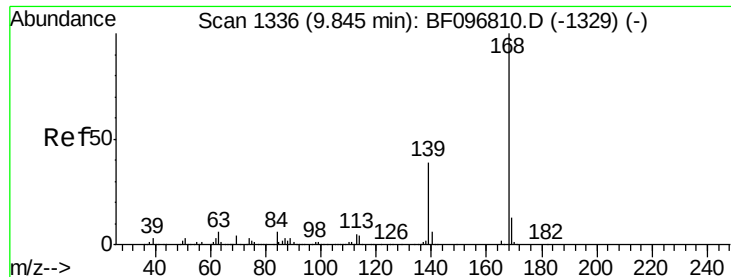


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 138.07 ng

RT: 9.79 min Scan# 1326

Delta R.T. -0.05 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

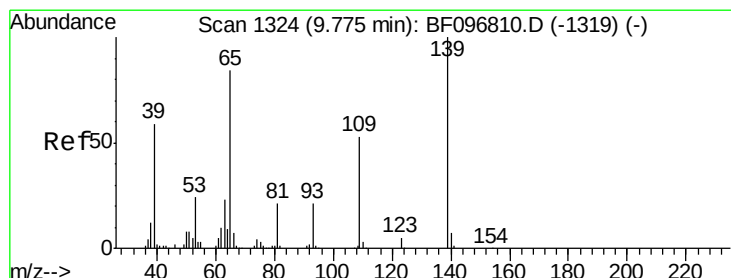
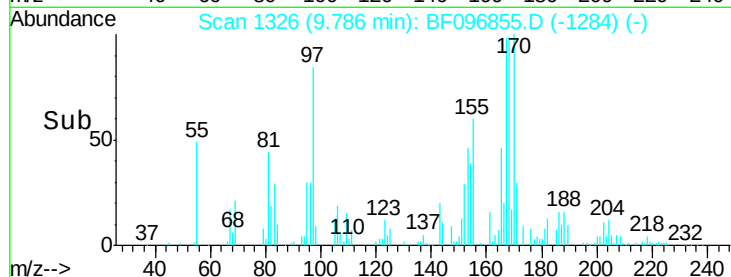
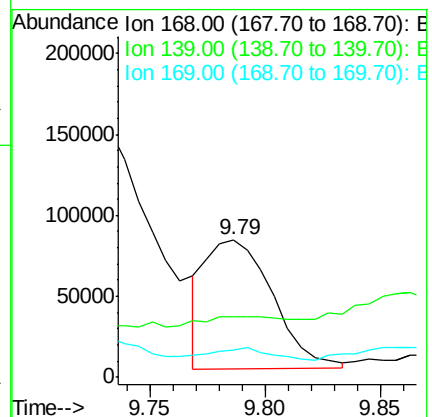
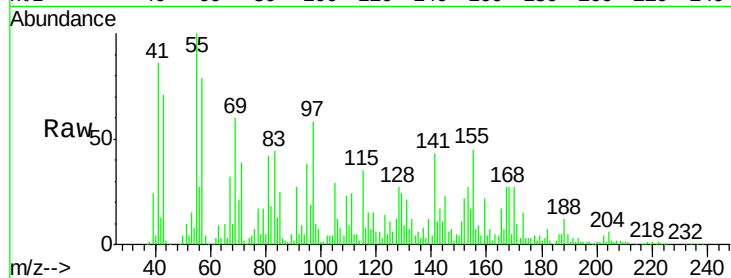
Tot Ion:168 Resp: 161877

Ion Ratio Lower Upper

168 100

139 44.0 30.6 45.8

169 19.9 10.8 16.2#



#55

4-Nitrophenol

Concen: 20.64 ng

RT: 9.67 min Scan# 1307

Delta R.T. -0.09 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

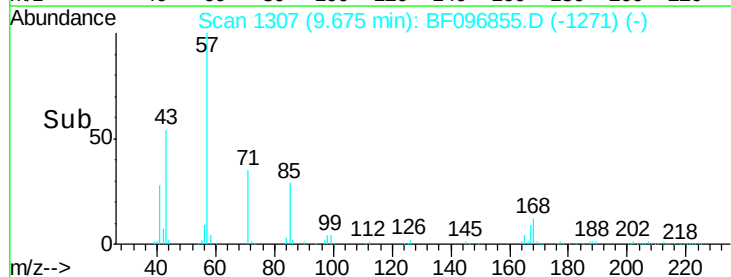
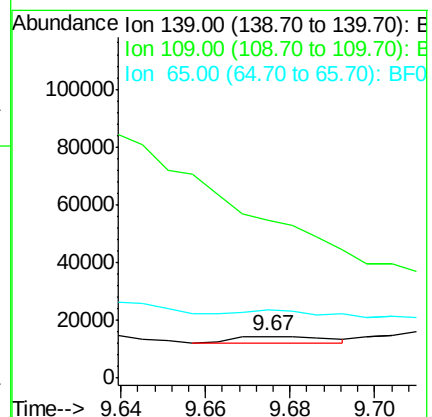
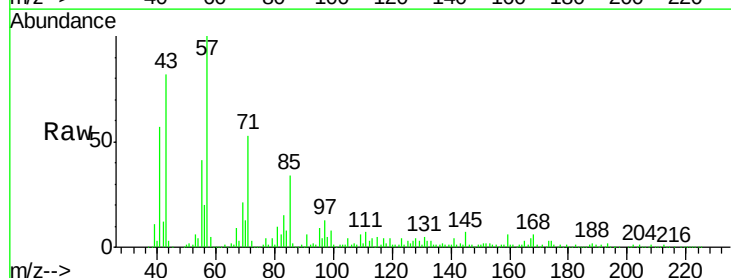
Tgt Ion:139 Resp: 4101

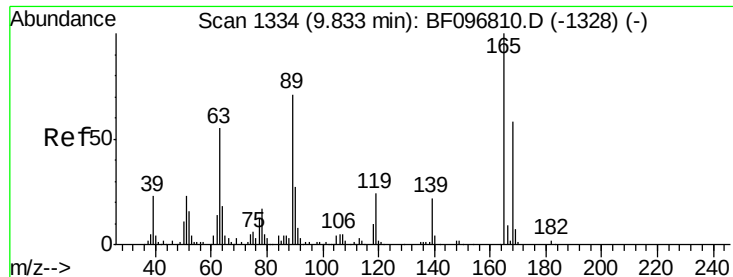
Ion Ratio Lower Upper

139 100

109 379.5 34.1 74.1#

65 163.4 31.4 71.4#

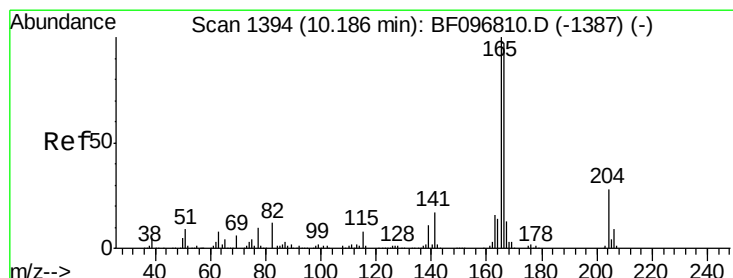
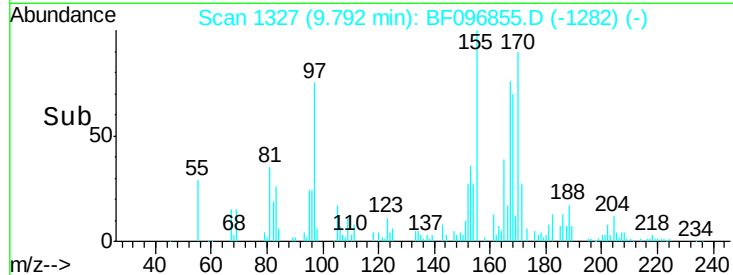
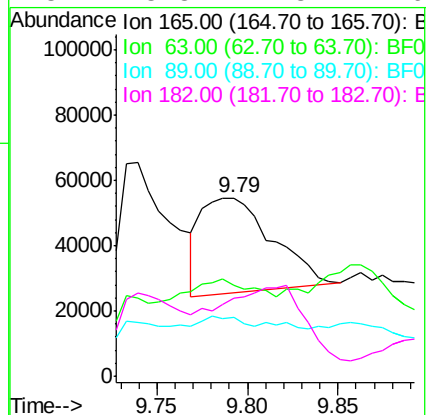
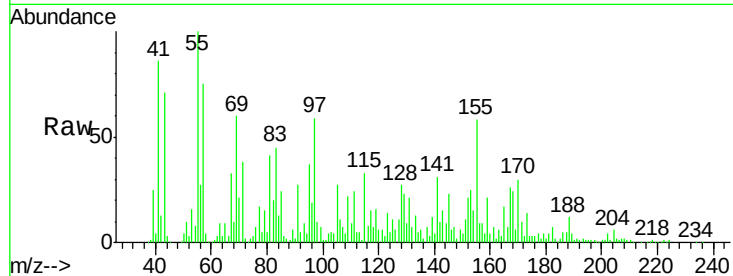




#56
 2,4-Dinitrotoluene
 Concen: 271.38 ng
 RT: 9.79 min Scan# 1327
 Delta R.T. -0.04 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

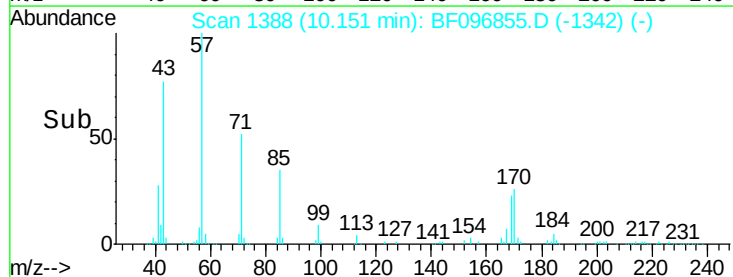
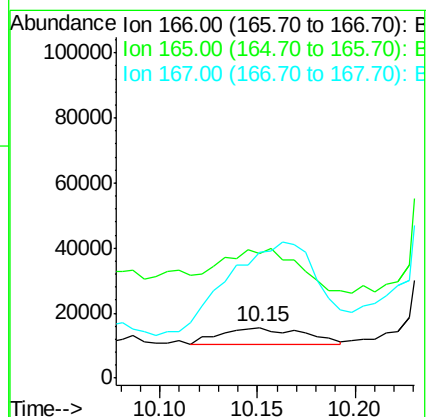
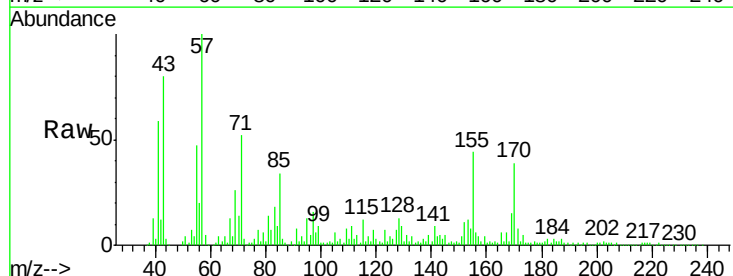
Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

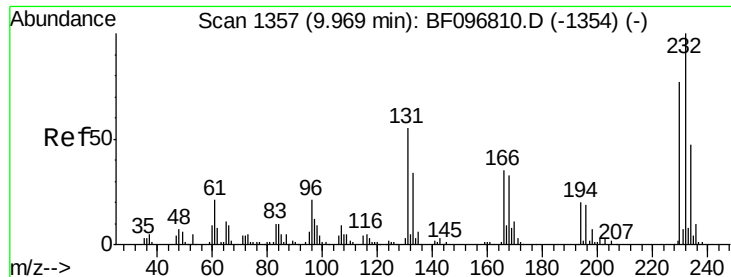
Tot Ion:165	Resp:	80050
Ion Ratio	Lower	Upper
165	100	
63	50.9	25.4 38.0#
89	33.0	46.4 69.6#
182	43.8	1.8 2.6#



#57
 Fluorene
 Concen: 17.24 ng
 RT: 10.15 min Scan# 1388
 Delta R.T. -0.03 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Tgt Ion:166	Resp:	14936
Ion Ratio	Lower	Upper
166	100	
165	243.4	78.8 118.2#
167	245.9	10.6 16.0#

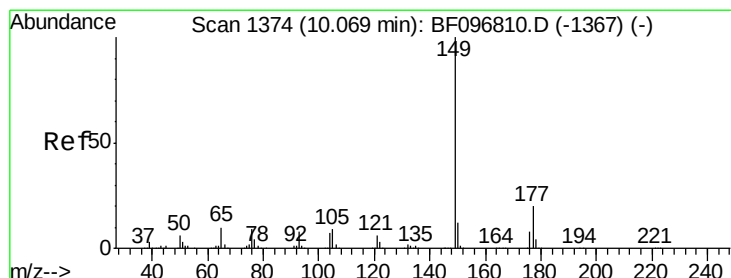
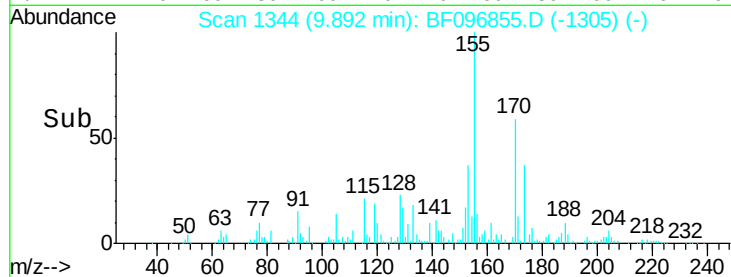
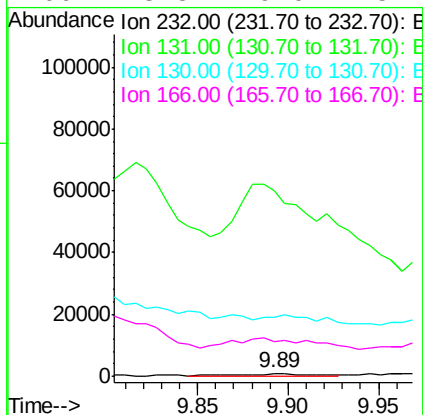
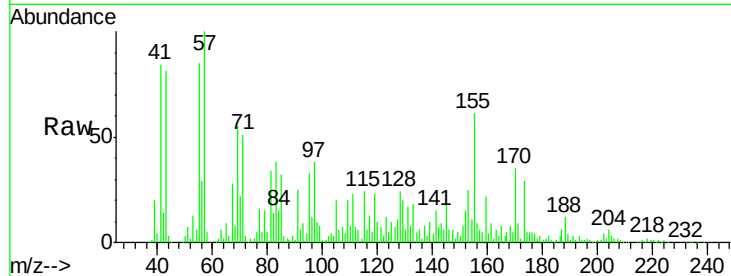




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 13.86 ng
 RT: 9.89 min Scan# 1344
 Delta R.T. -0.07 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

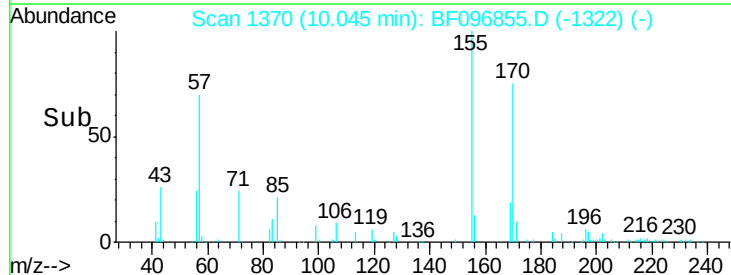
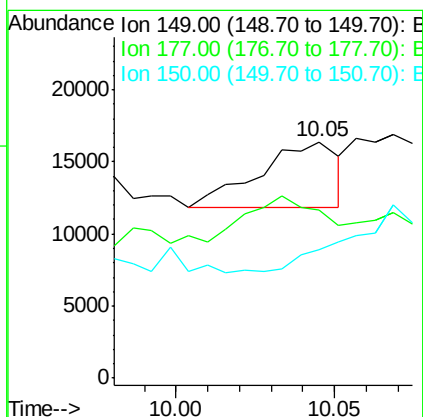
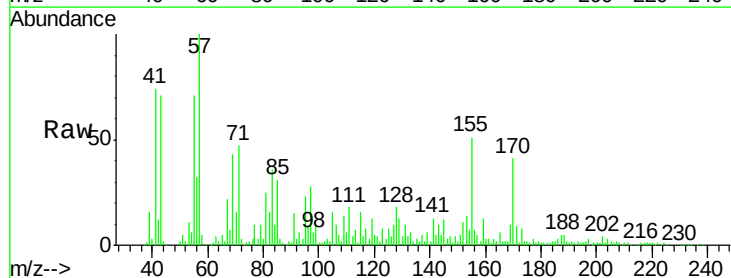
Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

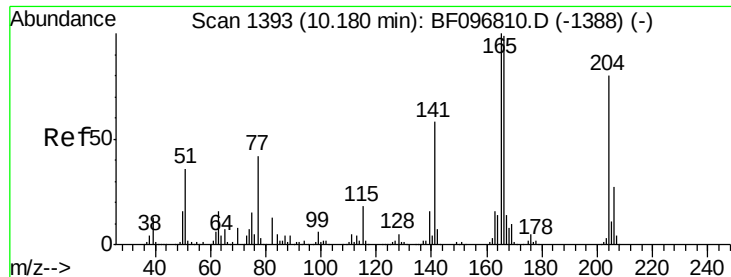
Tot Ion:232 Resp: 2720
 Ion Ratio Lower Upper
 232 100
 131 3718.5 44.8 67.2#
 130 0.0 2.3 3.5#
 166 248.3 29.0 43.4#



#59
 Diethylphthalate
 Concen: 7.67 ng
 RT: 10.05 min Scan# 1370
 Delta R.T. -0.02 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Tgt Ion:149 Resp: 7912
 Ion Ratio Lower Upper
 149 100
 177 70.9 16.7 25.1#
 150 54.4 10.2 15.2#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.11 min Scan# 1381

Delta R.T. -0.06 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

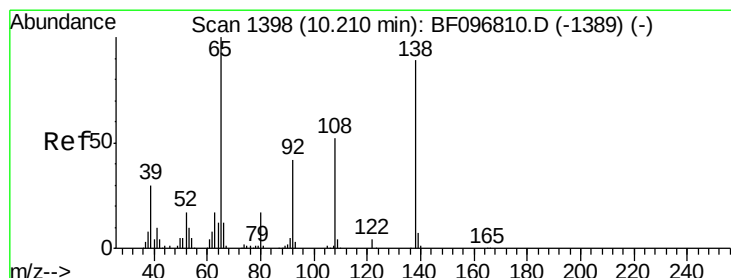
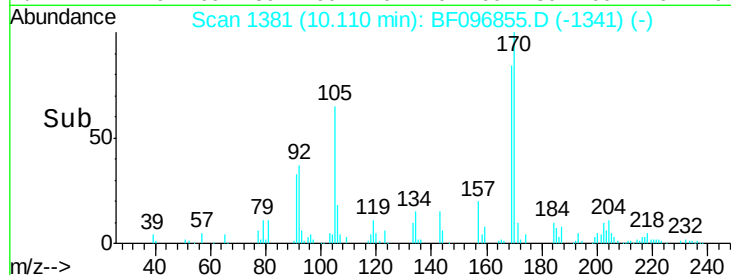
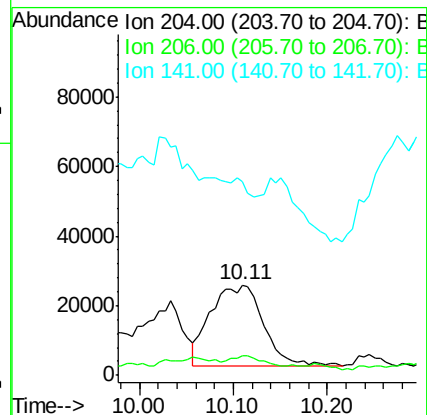
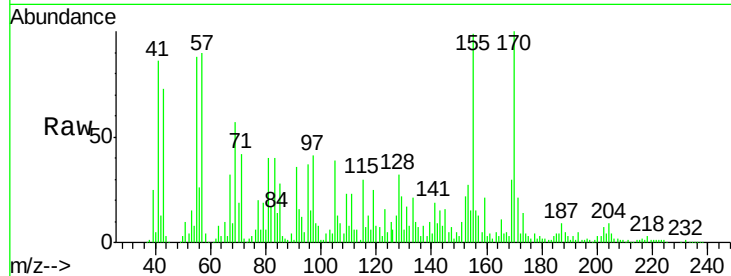
Tot Ion:204 Resp: 89763

Ion Ratio Lower Upper

204 100

206 21.8 26.2 39.2#

141 214.8 60.8 91.2#



#61

4-Nitroaniline

Concen: 7.75 ng

RT: 10.20 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

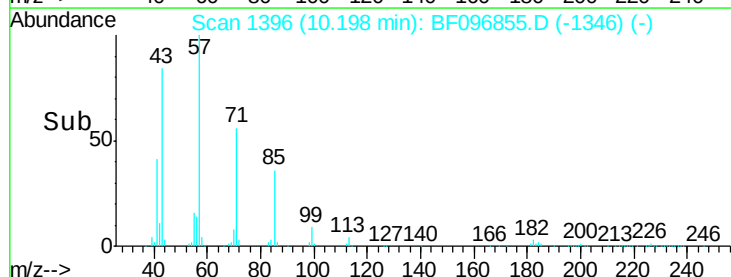
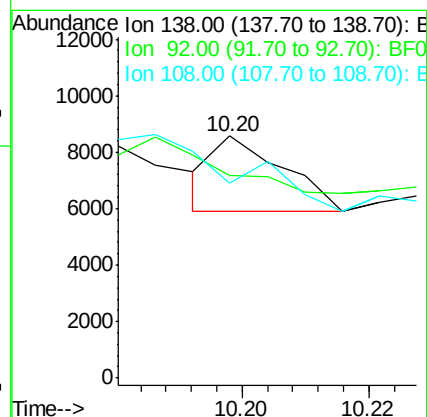
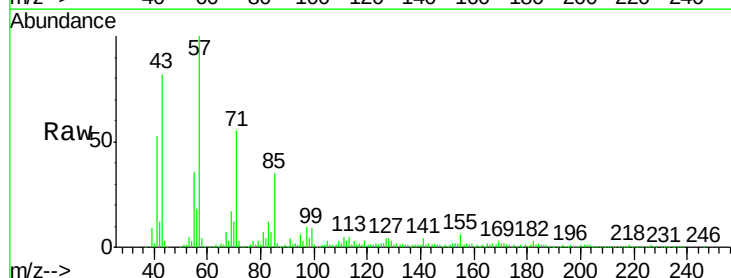
Tgt Ion:138 Resp: 1980

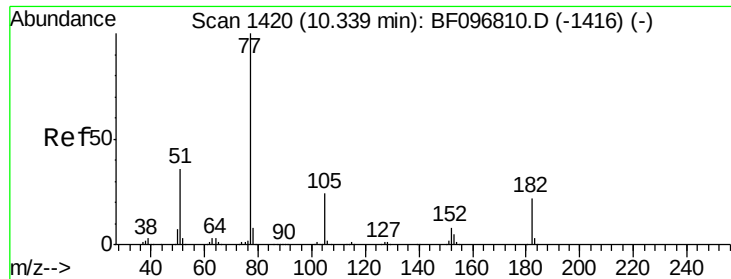
Ion Ratio Lower Upper

138 100

92 83.5 21.8 61.8#

108 80.4 42.3 82.3

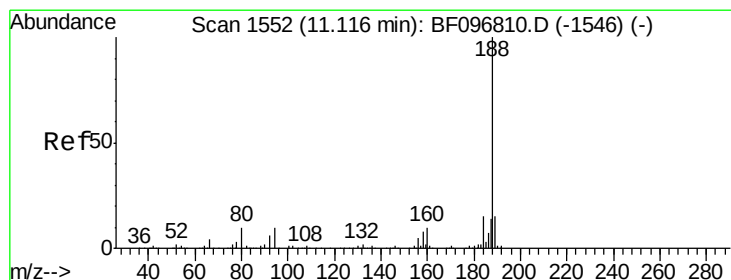
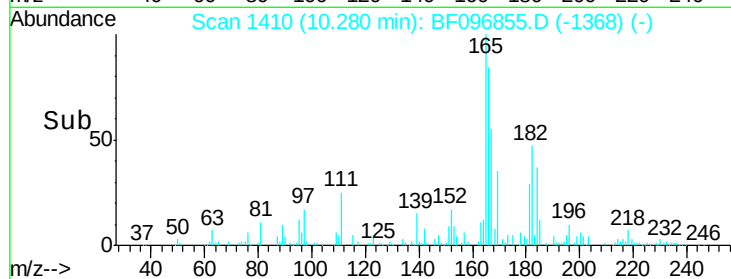
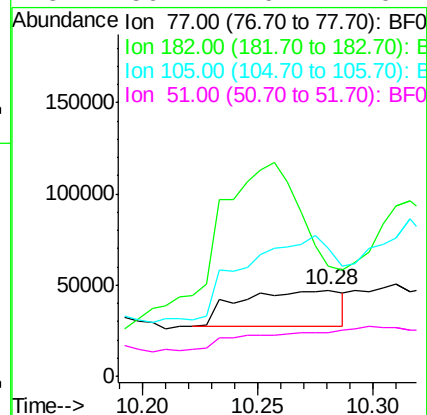
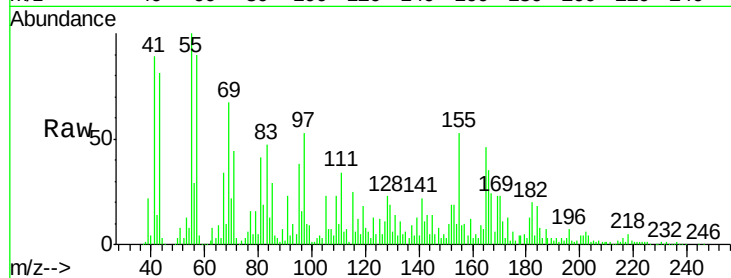




#62
Azobenzene
Concen: 67.91 ng
RT: 10.28 min Scan# 1410
Delta R.T. -0.05 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

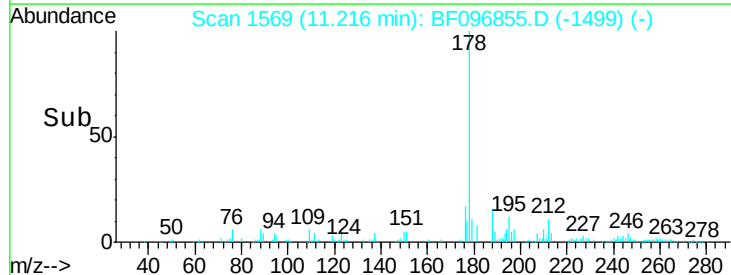
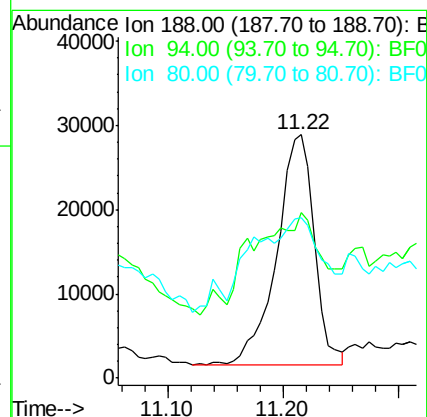
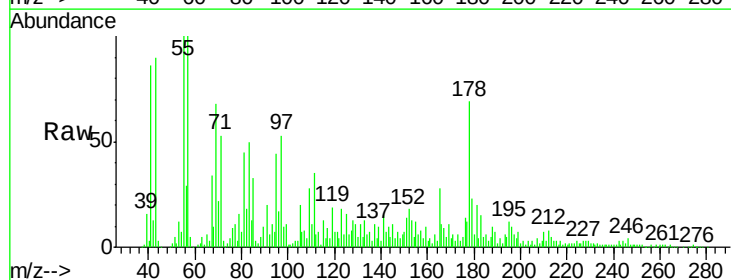
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

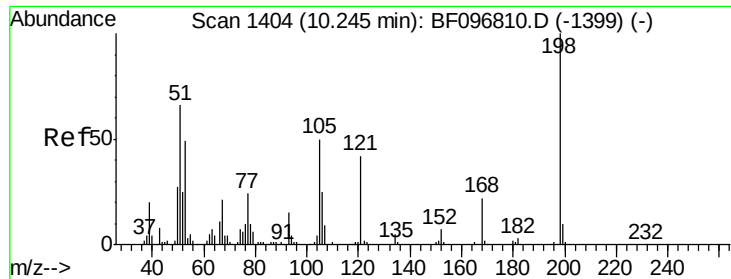
Tot Ion: 77 Resp: 61813
Ion Ratio Lower Upper
77 100
182 126.9 0.1 40.1#
105 149.0 3.6 43.6#
51 50.4 9.4 49.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1569
Delta R.T. 0.11 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion: 188 Resp: 61856
Ion Ratio Lower Upper
188 100
94 67.9 9.4 14.2#
80 65.8 10.2 15.2#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.24 ng

RT: 10.40 min Scan# 1430

Delta R.T. 0.16 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

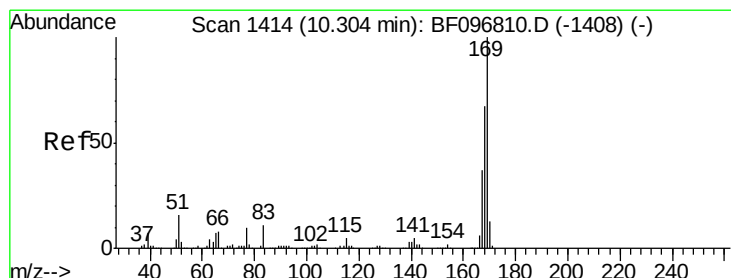
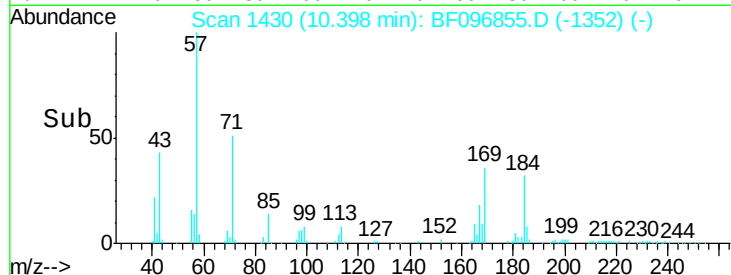
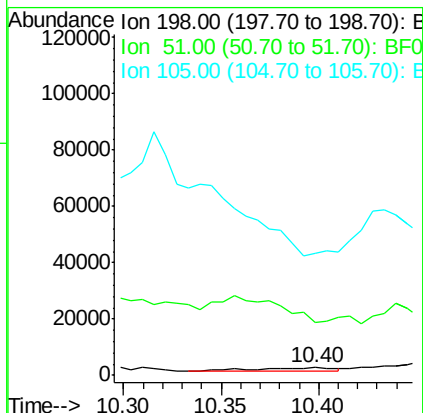
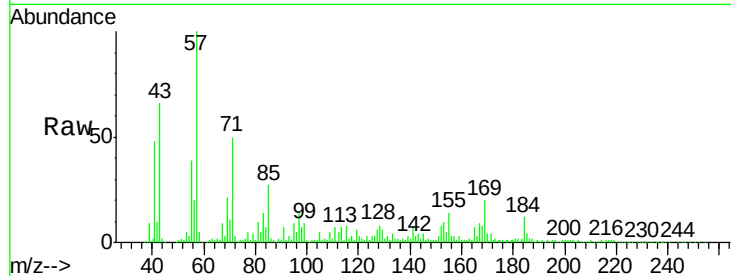
Tot Ion:198 Resp: 3201

Ion Ratio Lower Upper

198 100

51 688.5 53.2 93.2#

105 1607.1 45.8 85.8#



#65

n-Nitrosodiphenylamine

Concen: 164.11 ng

RT: 10.39 min Scan# 1429

Delta R.T. 0.10 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

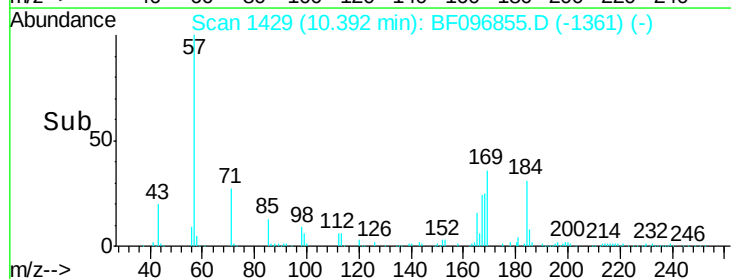
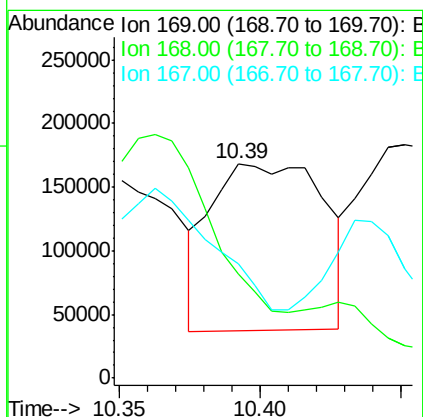
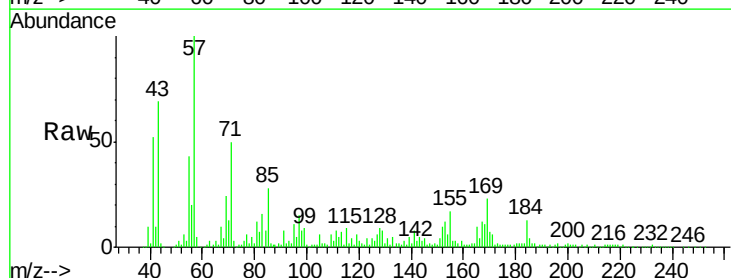
Tgt Ion:169 Resp: 362876

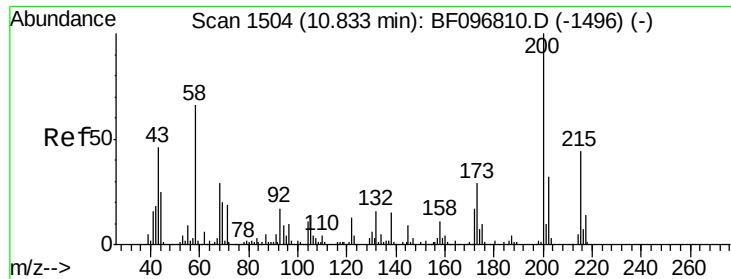
Ion Ratio Lower Upper

169 100

168 48.8 53.2 79.8#

167 53.2 29.5 44.3#

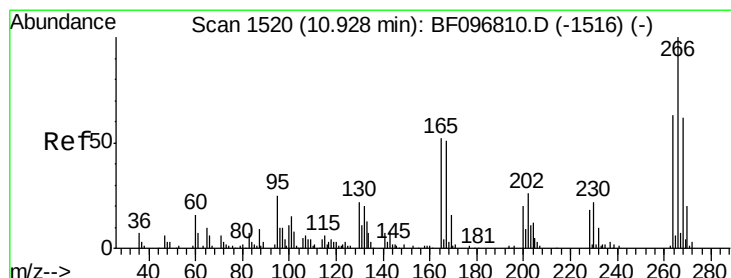
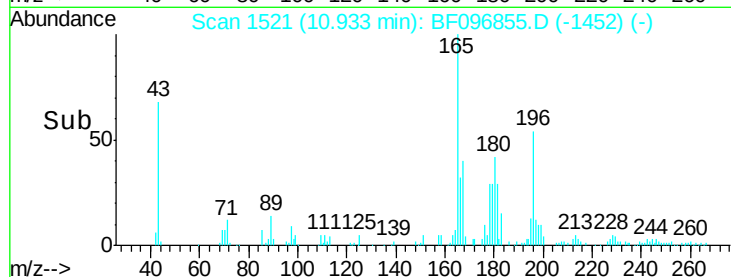
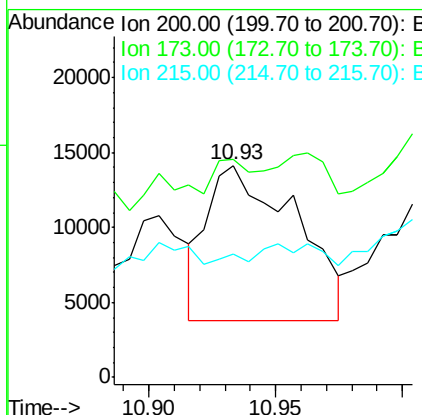
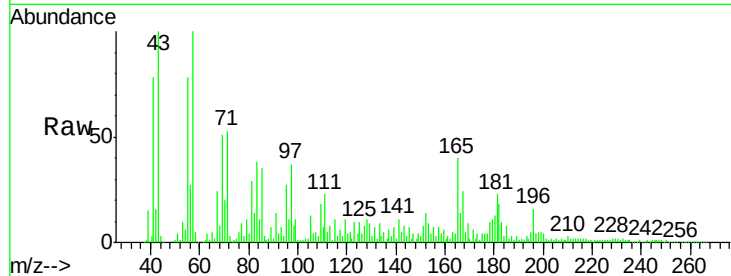




#68
Atrazine
Concen: 39.99 ng
RT: 10.93 min Scan# 1521
Delta R.T. 0.11 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

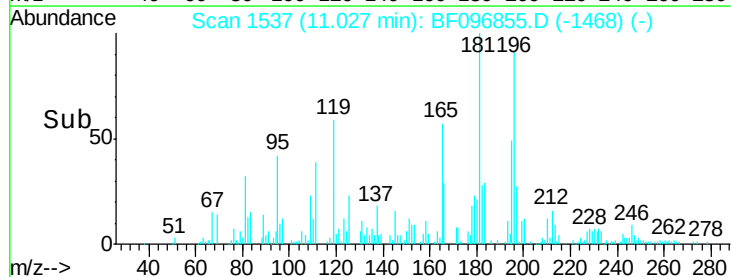
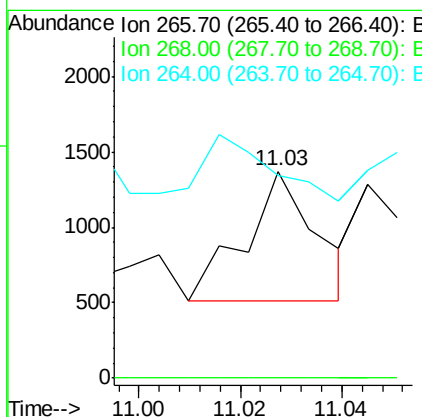
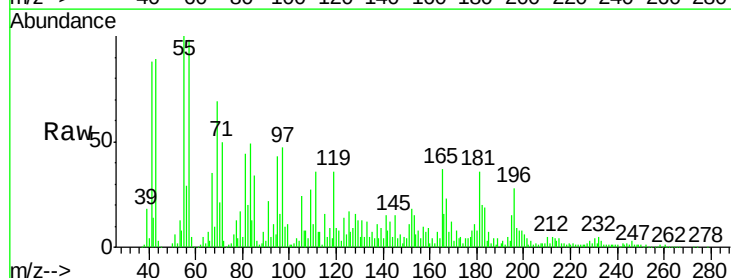
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

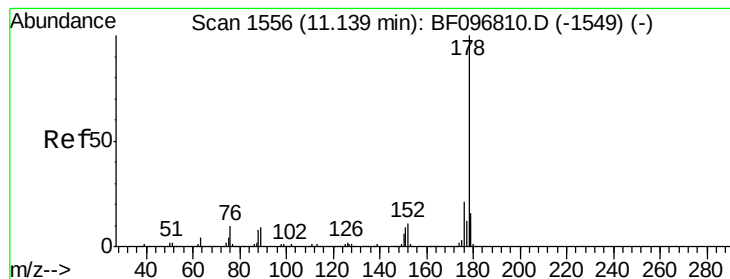
Tot Ion:200 Resp: 25194
Ion Ratio Lower Upper
200 100
173 102.5 6.3 46.3#
215 58.0 27.2 67.2



#69
Pentachlorophenol
Concen: 2.45 ng
RT: 11.03 min Scan# 1537
Delta R.T. 0.11 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:266 Resp: 834
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 98.2 51.7 77.5#





#70

Phenanthrene

Concen: 329.77 ng

RT: 11.25 min Scan# 1575

Delta R.T. 0.12 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

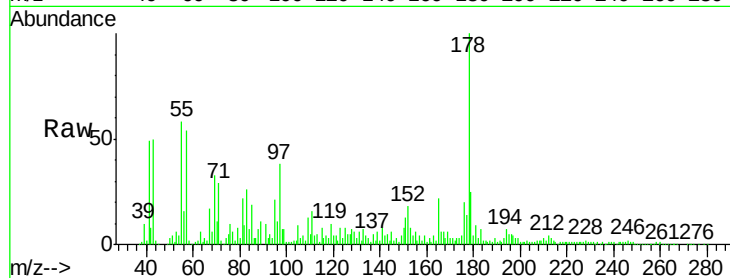
Tot Ion:178 Resp: 1109119

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

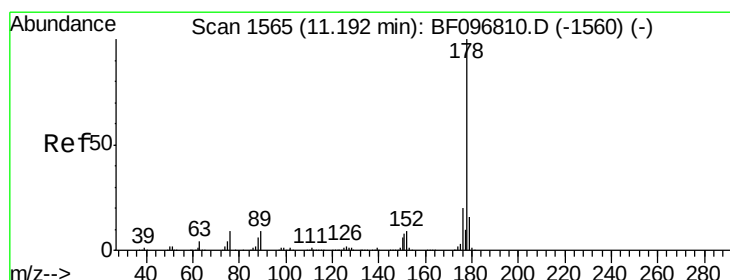
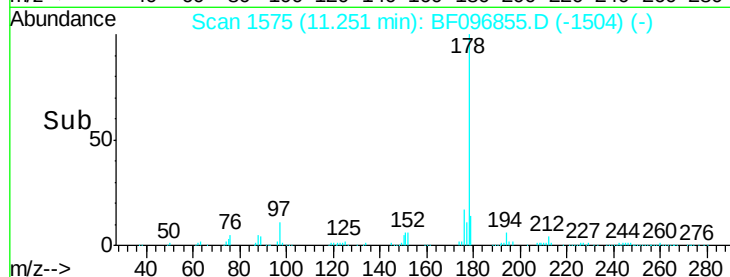
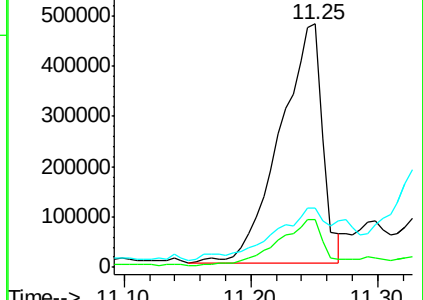
179 24.5 12.6 19.0#



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



#71

Anthracene

Concen: 27.02 ng

RT: 11.35 min Scan# 1591

Delta R.T. 0.16 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

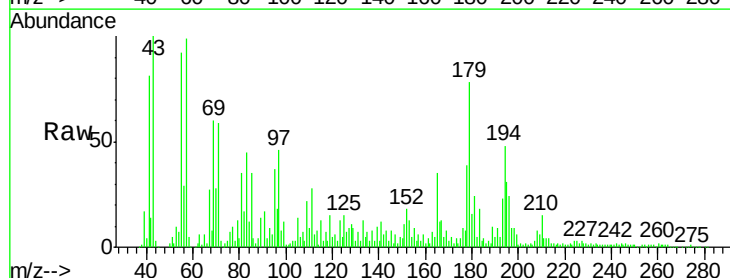
Tgt Ion:178 Resp: 91870

Ion Ratio Lower Upper

178 100

176 22.9 15.8 23.8

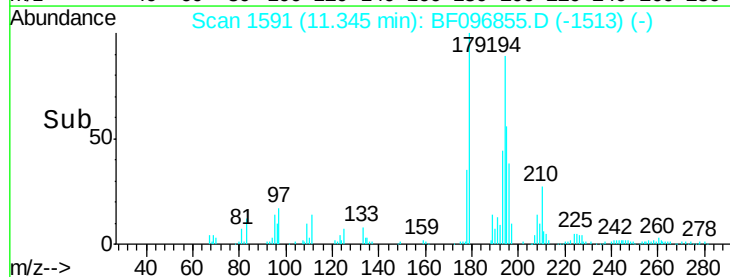
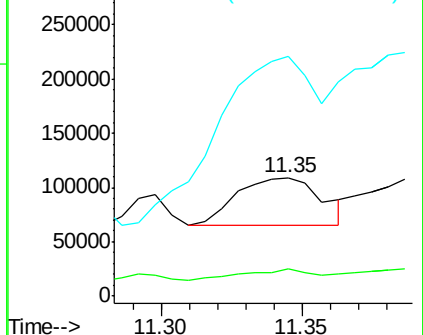
179 202.2 12.7 19.1#

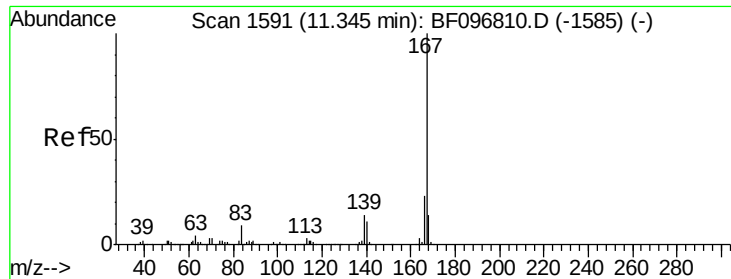


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 13.36 ng

RT: 11.43 min Scan# 1605

Delta R.T. 0.09 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

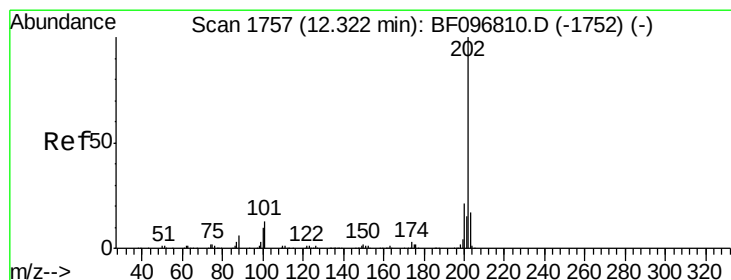
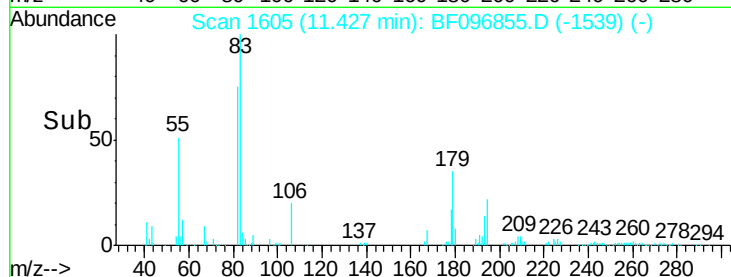
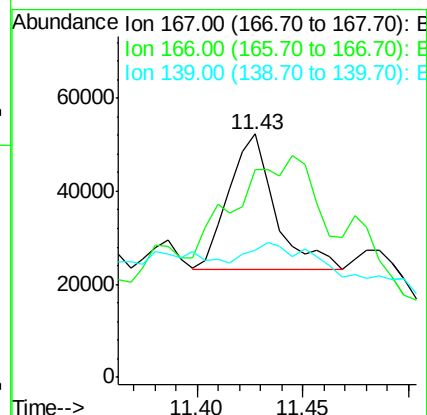
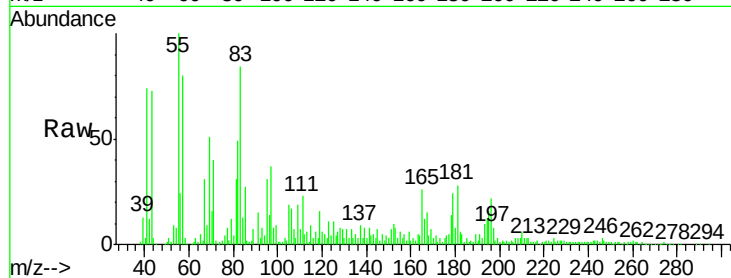
Tot Ion:167 Resp: 43996

Ion Ratio Lower Upper

167 100

166 85.2 18.1 27.1#

139 52.5 11.7 17.5#



#74

Fluoranthene

Concen: 35.52 ng

RT: 12.40 min Scan# 1770

Delta R.T. 0.08 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

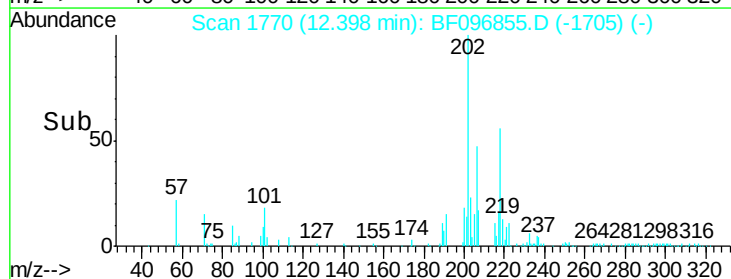
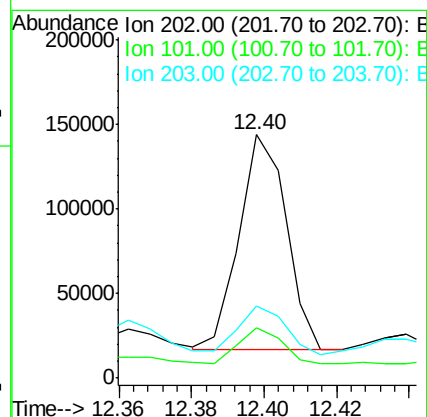
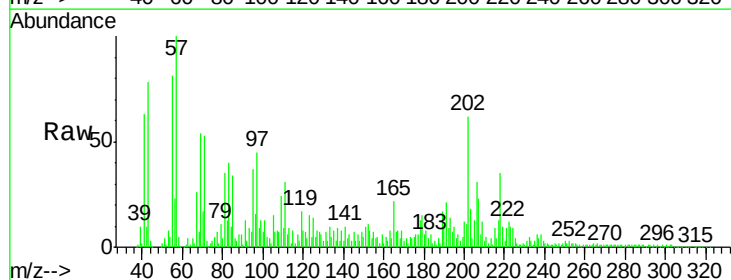
Tgt Ion:202 Resp: 114338

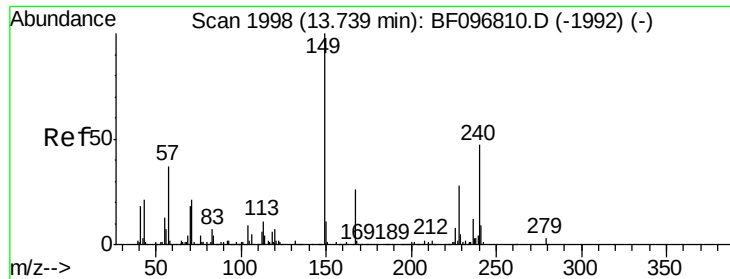
Ion Ratio Lower Upper

202 100

101 20.6 0.0 33.2

203 29.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 2001

Delta R.T. 0.02 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

Instrument :

BNA_F

ClientSampleId :

PENNSYLVANIA-ANALYTICAL

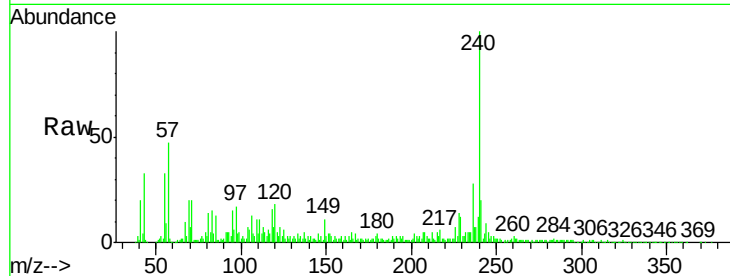
Tot Ion:240 Resp: 169041

Ion Ratio Lower Upper

240 100

120 17.6 5.8 8.8#

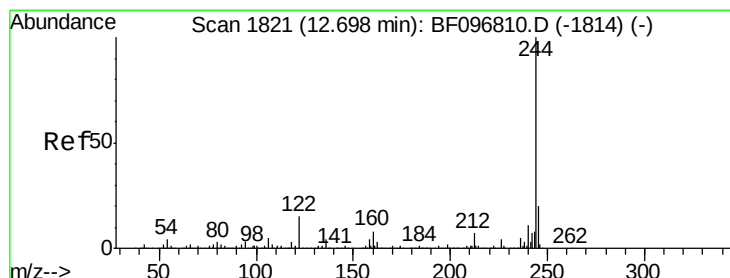
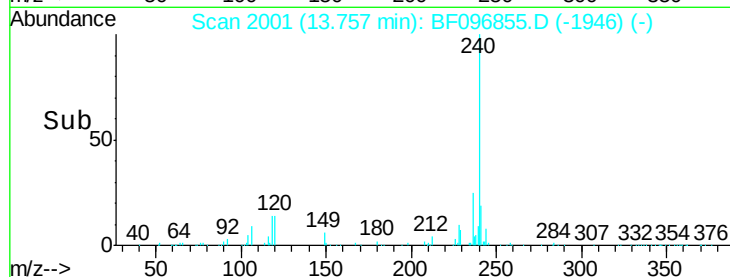
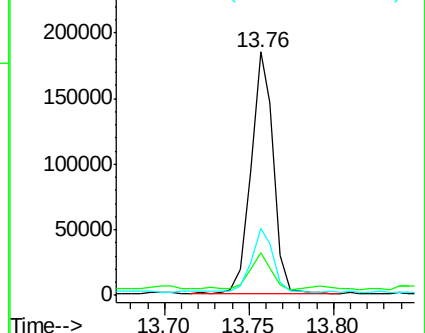
236 27.6 20.5 30.7



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: 11.13 ng

RT: 12.74 min Scan# 1829

Delta R.T. 0.05 min

Lab File: BF096855.D

Acq: 18 Jul 2017 19:09

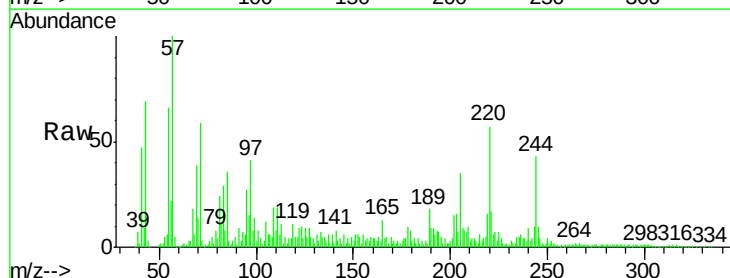
Tgt Ion:244 Resp: 108471

Ion Ratio Lower Upper

244 100

212 9.6 6.0 9.0#

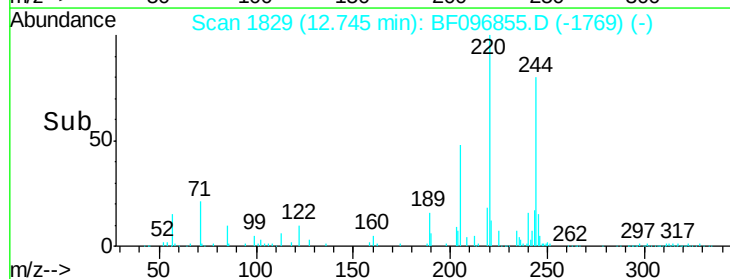
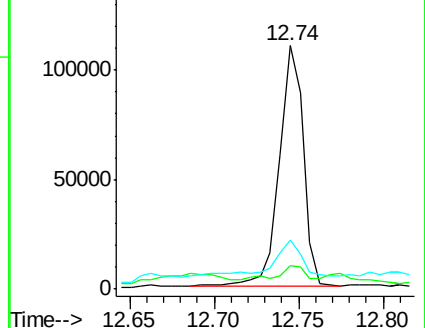
122 20.0 10.3 15.5#

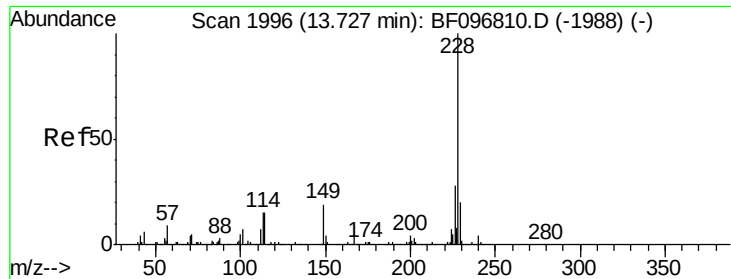


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

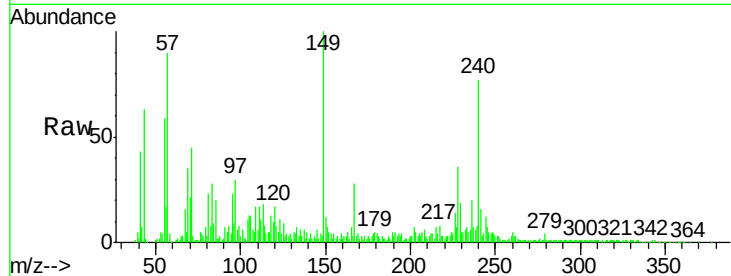




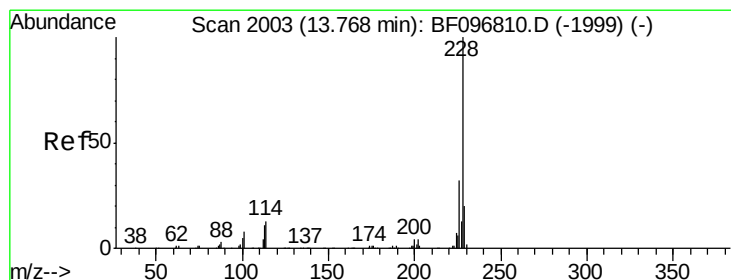
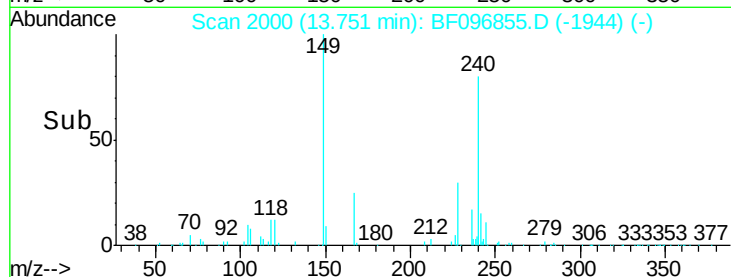
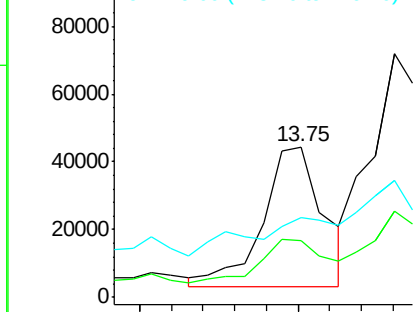
#80
Benzo(a)anthracene
Concen: 5.22 ng
RT: 13.75 min Scan# 2000
Delta R.T. 0.03 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

Tot Ion:228 Resp: 54960
Ion Ratio Lower Upper
228 100
226 37.8 22.6 33.8#
229 53.0 16.3 24.5#

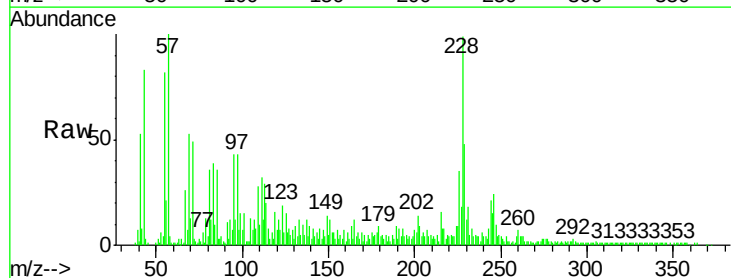


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

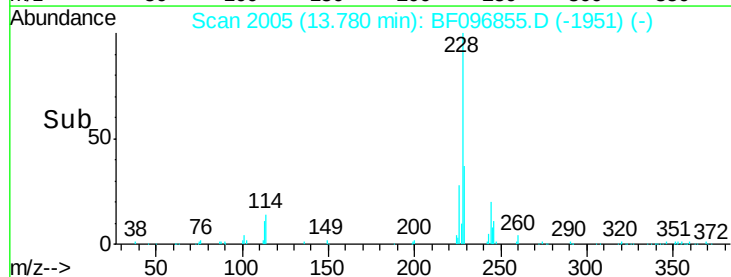
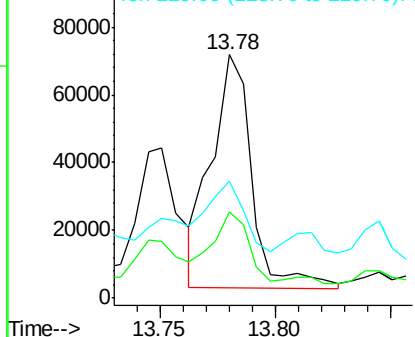


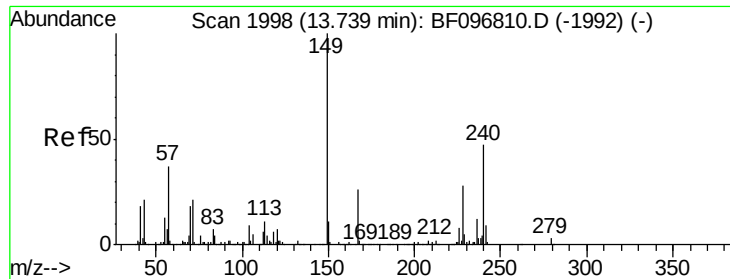
#82
Chrysene
Concen: 8.10 ng
RT: 13.78 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:228 Resp: 84014
Ion Ratio Lower Upper
228 100
226 35.2 24.9 37.3
229 48.2 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

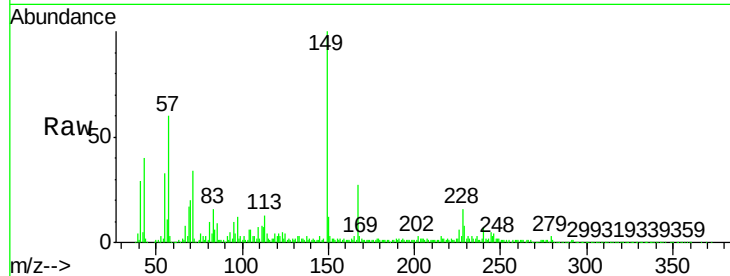




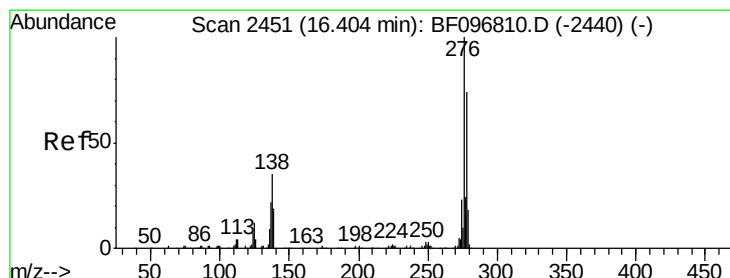
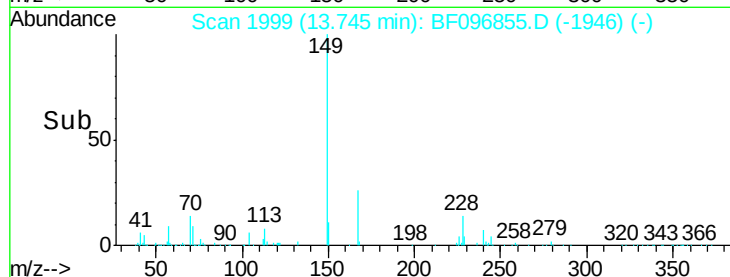
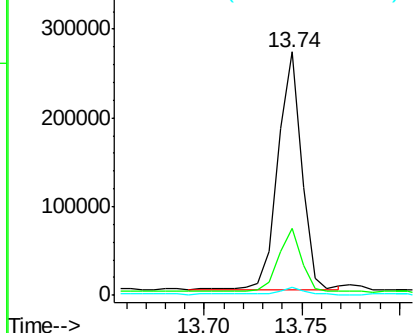
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 25.30 ng
 RT: 13.74 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

Tot Ion:149 Resp: 224616
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.0 31.4
 279 3.1 1.9 2.9#

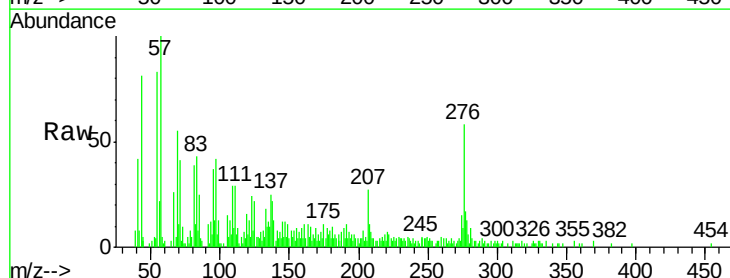


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

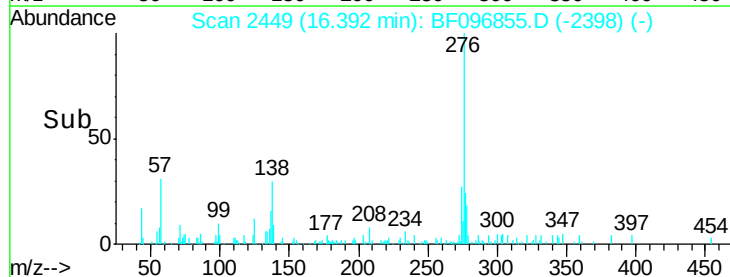
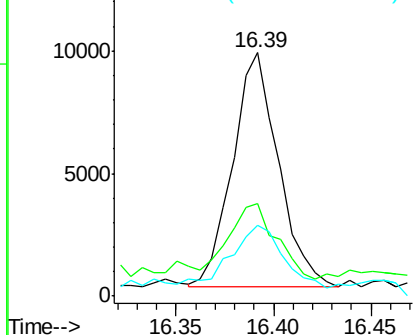


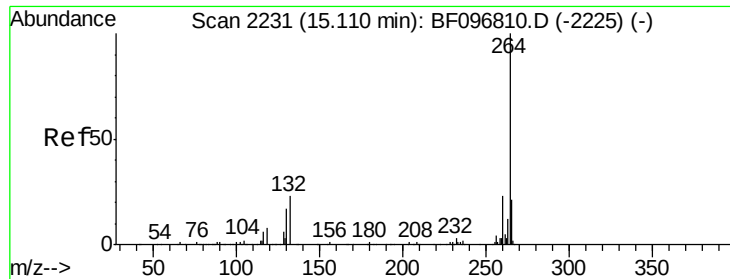
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.89 ng
 RT: 16.39 min Scan# 2449
 Delta R.T. 0.00 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Tgt Ion:276 Resp: 15548
 Ion Ratio Lower Upper
 276 100
 138 37.6 27.8 41.6
 277 29.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

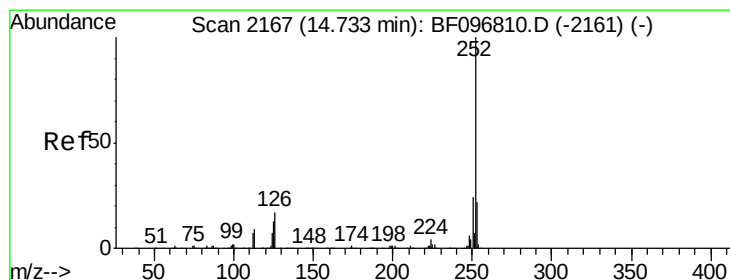
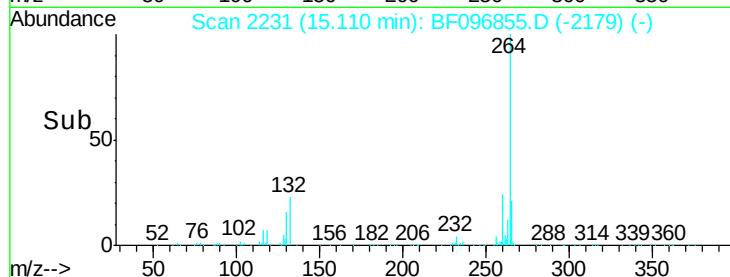
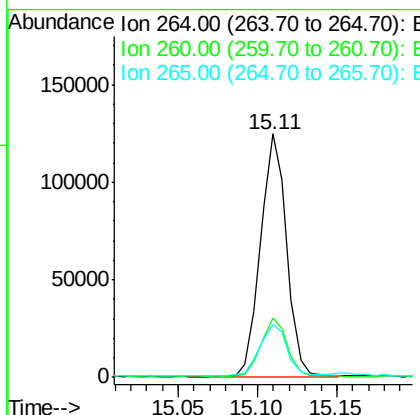
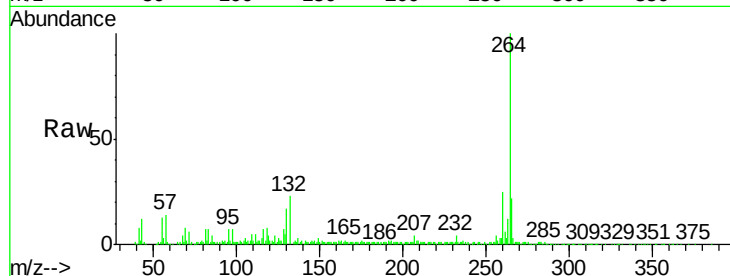




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

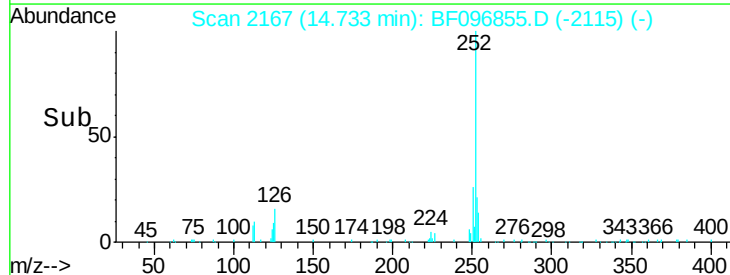
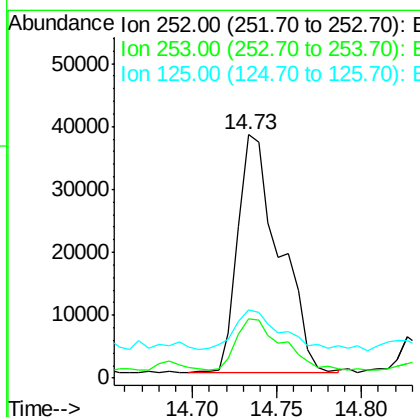
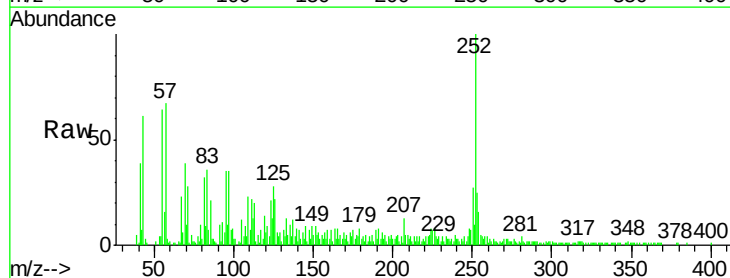
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

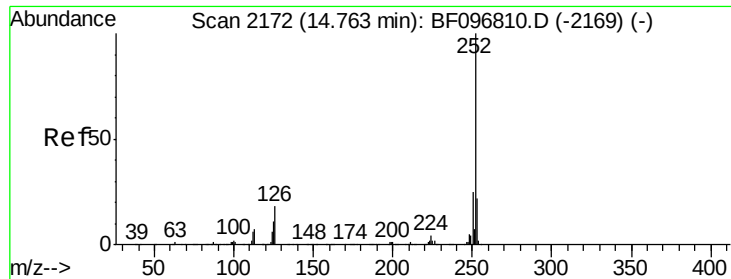
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 7.50 ng
RT: 14.73 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	28.0	9.8	14.8

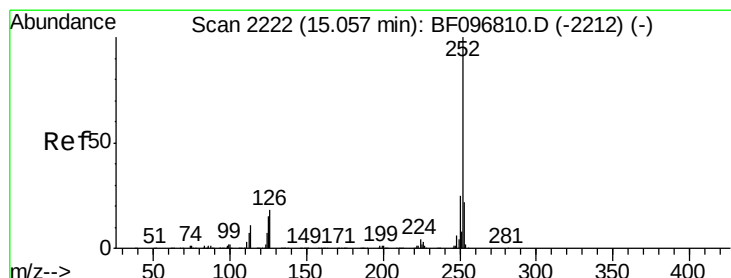
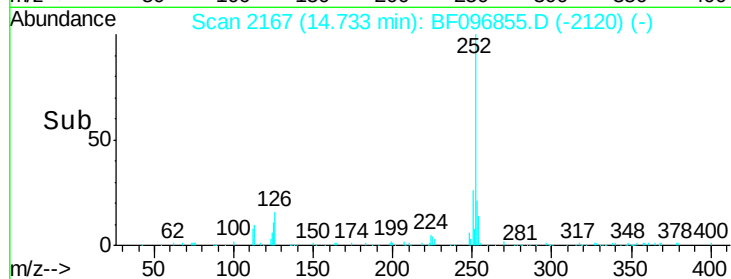
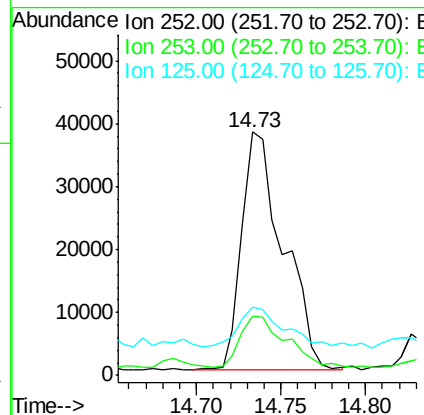
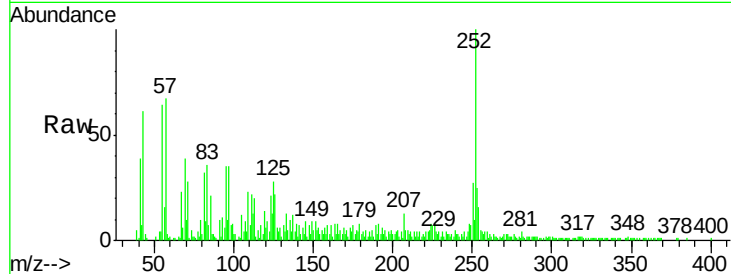




#88
Benzo(k)fluoranthene
Concen: 7.92 ng
RT: 14.73 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

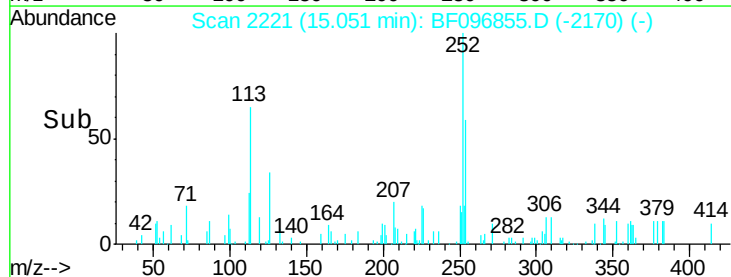
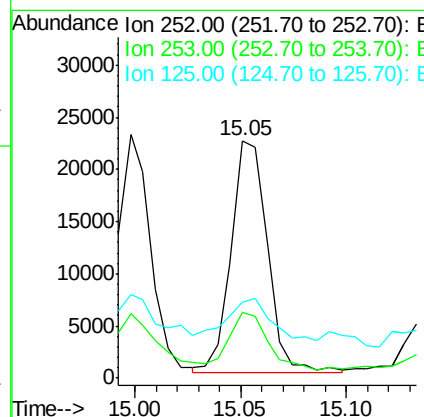
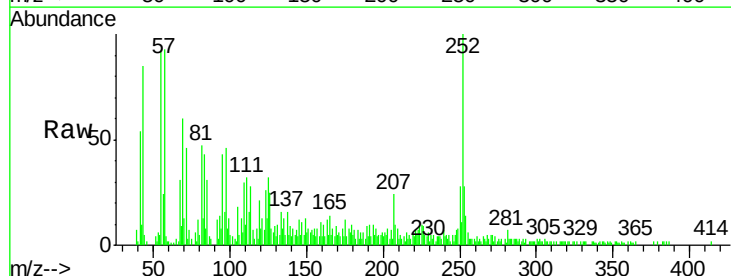
Instrument :
BNA_F
ClientSampleId :
PENNSYLVANIA-ANALYTICAL

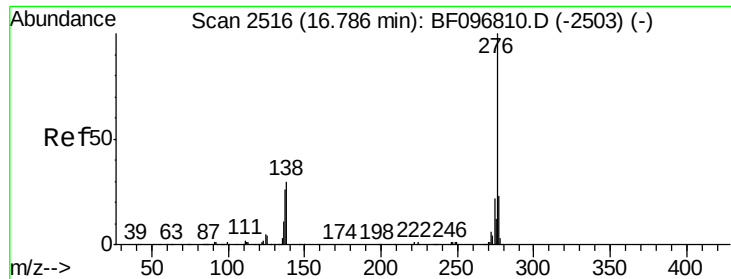
Tot Ion:252 Resp: 64941
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 28.0 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 3.35 ng
RT: 15.05 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF096855.D
Acq: 18 Jul 2017 19:09

Tgt Ion:252 Resp: 26583
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 32.0 11.0 16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.11 ng
 RT: 16.78 min Scan# 2515
 Delta R.T. 0.00 min
 Lab File: BF096855.D
 Acq: 18 Jul 2017 19:09

Instrument :
 BNA_F
 ClientSampleId :
 PENNSYLVANIA-ANALYTICAL

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.8	18.6	28.0
138	36.2	25.4	38.0

