

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096460.D
 Acq On : 4 Jul 2017 1:24
 Operator : SJ/MA
 Sample : I3998-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 03:47:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	85697	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	212475	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	56914	20.00	ng	0.02
63) Phenanthrene-d10	11.27	188	114943	20.00	ng	0.02
75) Chrysene-d12	13.90	240	120394	20.00	ng	0.02
86) Perylene-d12	15.30	264	105728	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	472132	81.32	ng	0.00
7) Phenol-d6	6.36	99	597923	83.77	ng	-0.01
23) Nitrobenzene-d5	7.29	82	295445	83.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	46876	105.44	ng	0.02
44) 2-Fluorobiphenyl	9.10	172	276501	83.06	ng	0.00
78) Terphenyl-d14	12.85	244	252110	44.75	ng	0.02

Target Compounds

						Qvalue
10) Phenol	6.37	94	30263	3.72	ng	95
19) n-Nitroso-di-n-propylamine	7.17	70	64715	15.22	ng	# 75
25) Isophorone	7.55	82	110914	16.18	ng	# 1
26) 2-Nitrophenol	7.66	139	33254	16.94	ng	# 2
27) 2,4-Dimethylphenol	7.68	122	17761	5.31	ng	# 1
28) bis(2-Chloroethoxy)methane	7.83	93	15149	3.35	ng	# 1
29) 2,4-Dichlorophenol	7.87	162	12565	4.36	ng	# 1
32) Benzoic acid	7.82	122	7363	2.62	ng	# 1
33) 4-Chloroaniline	8.07	127	24967	5.99	ng	# 27
35) Caprolactam	8.47	113	147034	147.83	ng	# 1
36) 4-Chloro-3-methylphenol	8.56	107	21495	6.73	ng	# 17
42) 2,4,6-Trichlorophenol	9.04	196	3919	3.35	ng	# 13
45) 1,1'-Biphenyl	9.20	154	19701	4.04	ng	77
48) Acenaphthylene	9.65	152	19162	3.33	ng	# 1
49) Dimethylphthalate	9.49	163	109115	25.68	ng	# 89
50) 2,6-Dinitrotoluene	9.57	165	17354	18.47	ng	# 74
51) Acenaphthene	9.82	154	29197	8.23	ng	# 85
52) 3-Nitroaniline	9.75	138	5533	4.72	ng	# 38
53) 2,4-Dinitrophenol	9.84	184	1898	3.80	ng	# 1
54) Dibenzofuran	9.99	168	15462	3.30	ng	# 1
55) 4-Nitrophenol	9.90	139	4111	4.23	ng	# 1
56) 2,4-Dinitrotoluene	9.94	165	5157	4.33	ng	# 52
57) Fluorene	10.33	166	32101	9.70	ng	# 72
58) 2,3,4,6-Tetrachlorophenol	10.10	232	4491	5.62	ng	# 1
61) 4-Nitroaniline	10.24	138	2906	2.73	ng	74
62) Azobenzene	10.49	77	11088	2.86	ng	# 8
65) n-Nitrosodiphenylamine	10.46	169	72855	18.06	ng	# 51
68) Atrazine	10.98	200	2613	2.27	ng	# 1
70) Phenanthrene	11.29	178	42617	6.86	ng	# 61
71) Anthracene	11.35	178	70312	11.10	ng	# 86
74) Fluoranthene	12.49	202	566094	92.92	ng	99
77) Pyrene	12.72	202	564815	58.45	ng	98
80) Benzo(a)anthracene	13.89	228	204106	29.28	ng	95
82) Chrysene	13.92	228	175353	24.02	ng	96

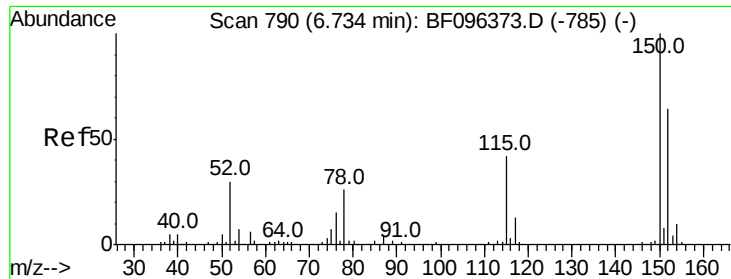
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
Data File : BF096460.D
Acq On : 4 Jul 2017 1:24
Operator : SJ/MA
Sample : I3998-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 04 03:47:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	16.67	276	68055	11.81	nq	98
87) Benzo(b)fluoranthene	14.91	252	244702	36.94	nq	# 82
88) Benzo(k)fluoranthene	14.91	252	244702	41.29	nq	# 85
89) Benzo(a)pyrene	15.25	252	125898	21.29	nq	# 85
90) Dibenzo(a,h)anthracene	16.67	278	18209	3.91	nq	# 61
91) Benzo(a,h,i)perylene	17.09	276	58589	12.15	nq	# 95

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

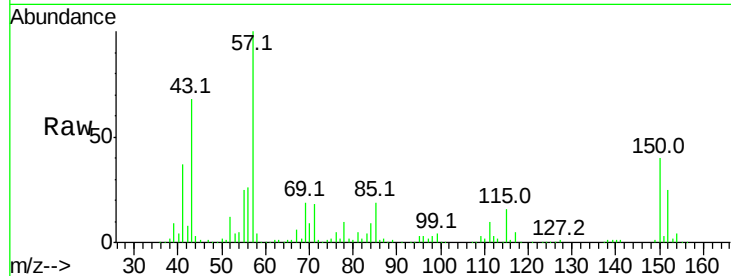


#1

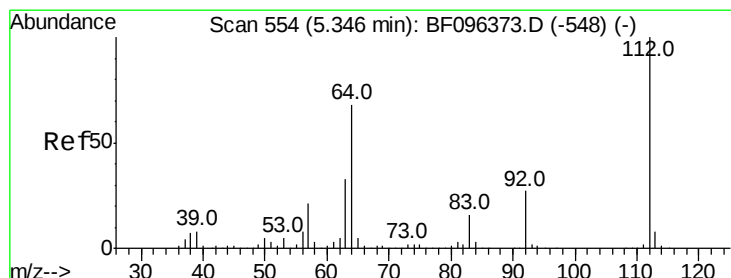
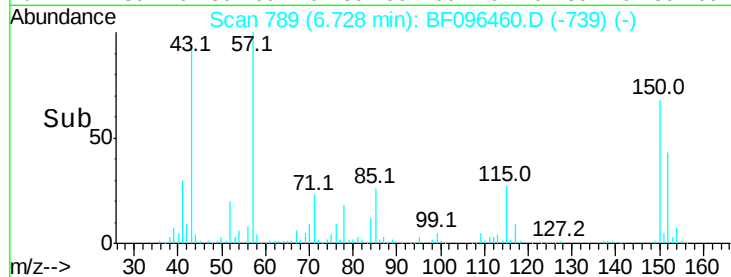
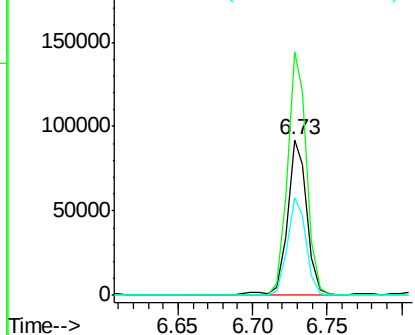
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85697
Ion Ratio Lower Upper
152 100
150 156.5 126.2 189.2
115 63.2 52.2 78.2



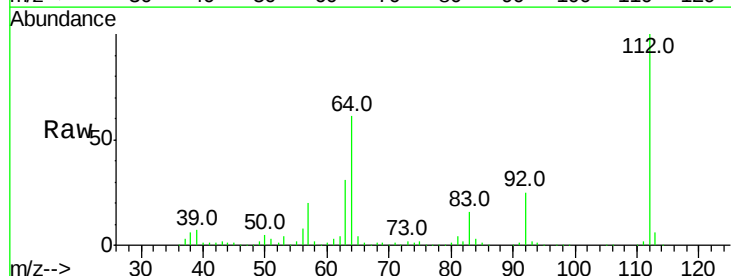
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



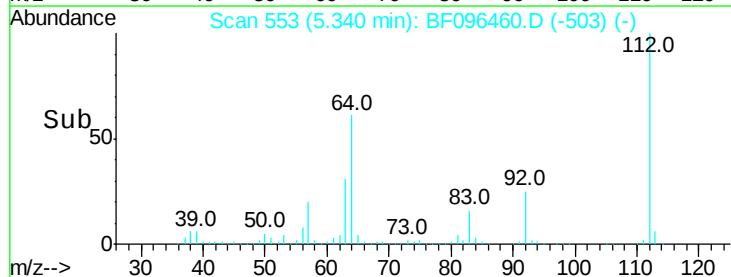
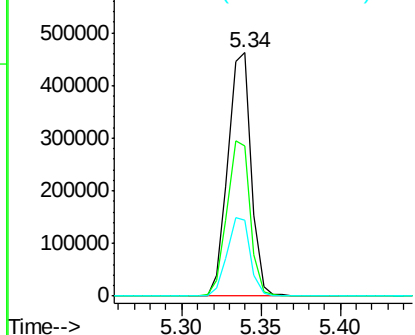
#5

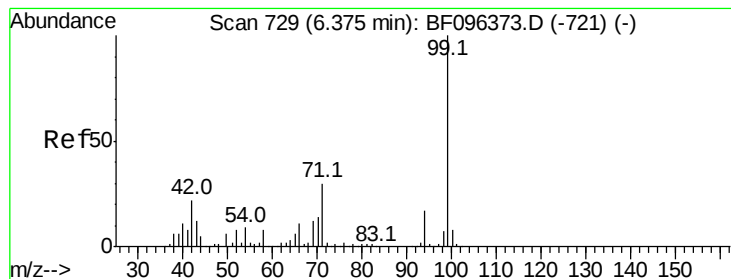
2-Fluorophenol
Concen: 81.32 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:112 Resp: 472132
Ion Ratio Lower Upper
112 100
64 61.4 46.0 69.0
63 31.1 23.4 35.0



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





#7

Phenol-d6

Concen: 83.77 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

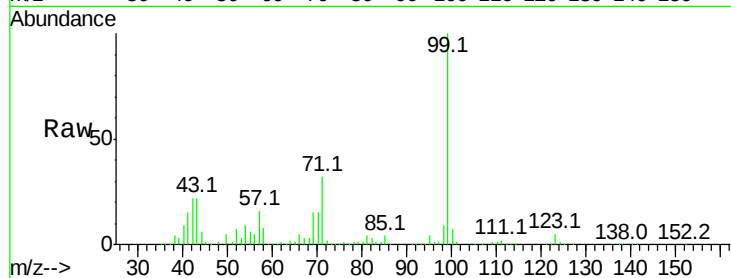
Tot Ion: 99 Resp: 597923

Ion Ratio Lower Upper

99 100

42 22.4 13.5 20.3#

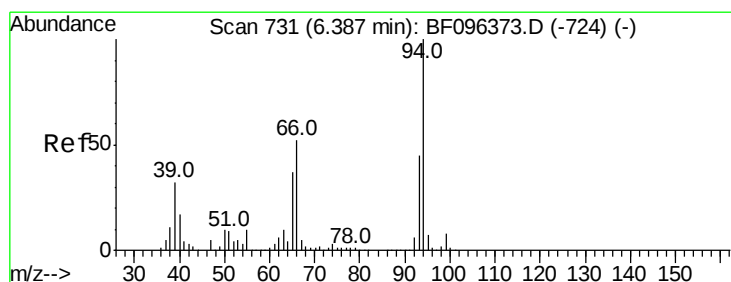
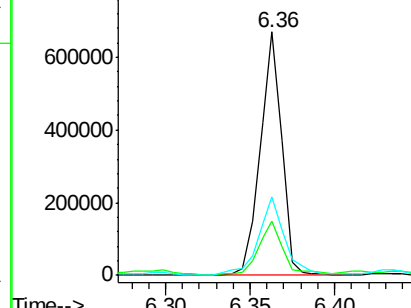
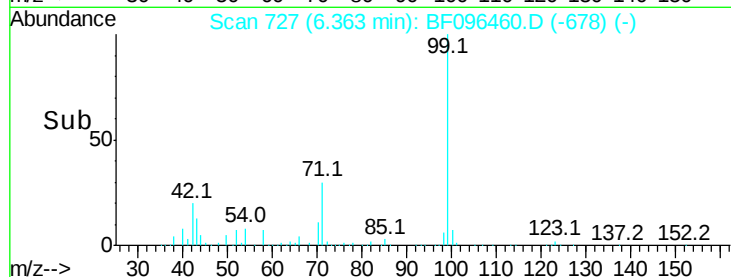
71 32.2 24.5 36.7



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



#10

Phenol

Concen: 3.72 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

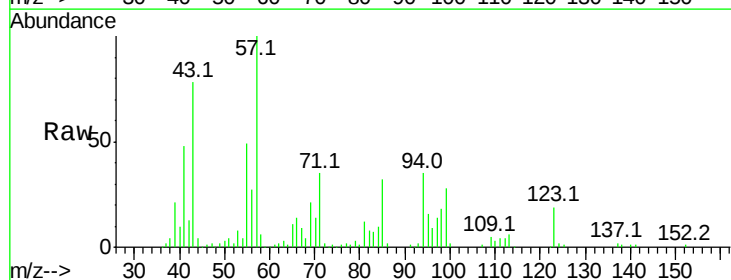
Tgt Ion: 94 Resp: 30263

Ion Ratio Lower Upper

94 100

65 31.8 9.9 49.9

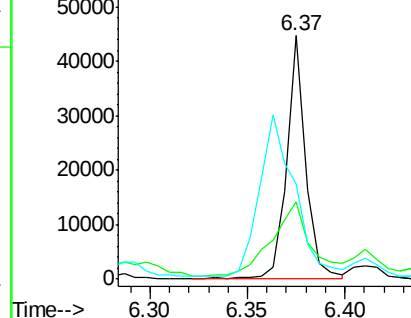
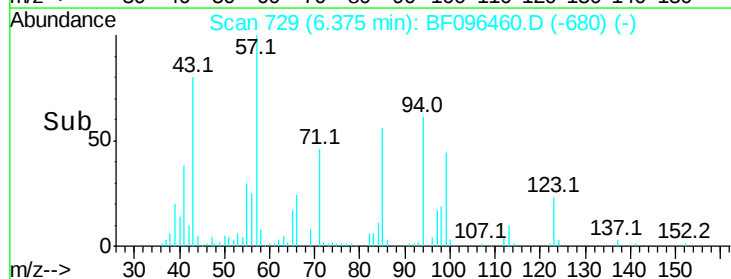
66 39.1 23.1 63.1

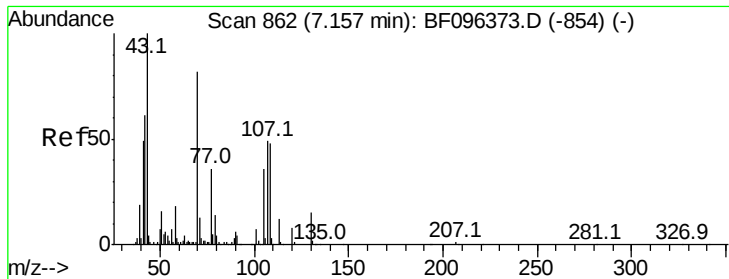


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

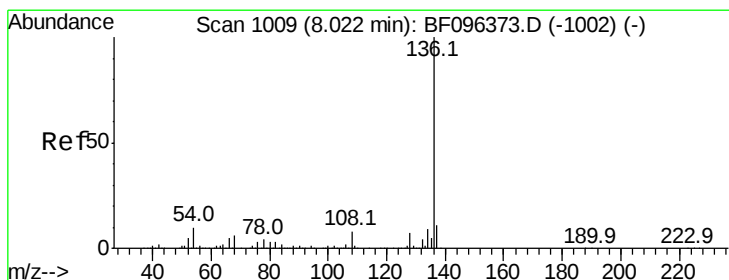
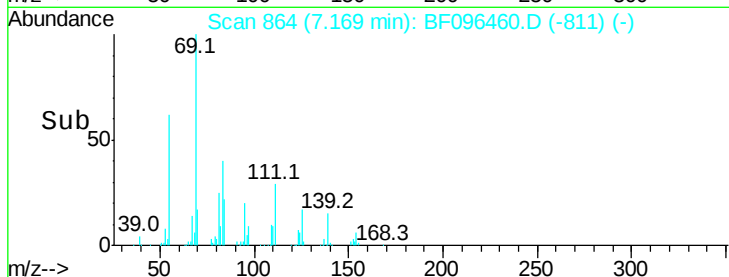
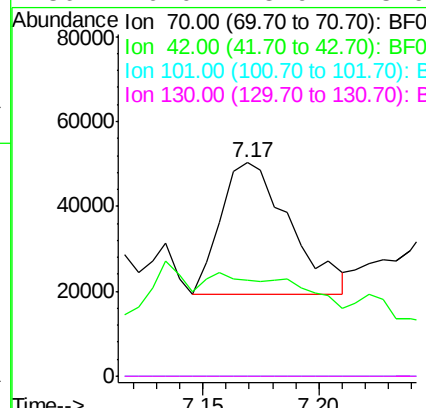
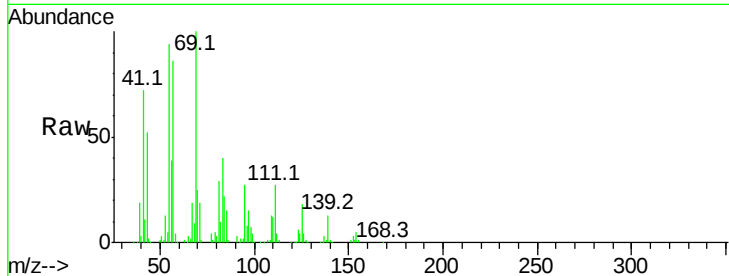




#19
n-Nitroso-di-n-propylamine
Concen: 15.22 ng
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

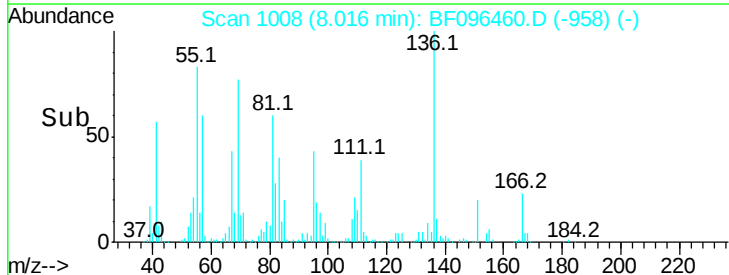
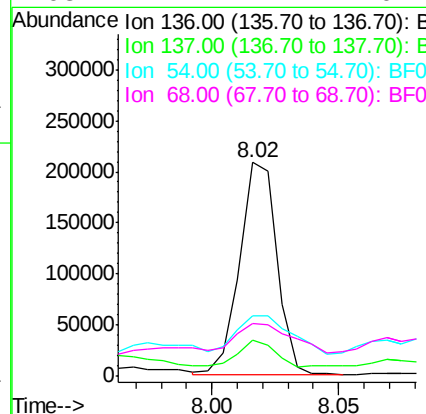
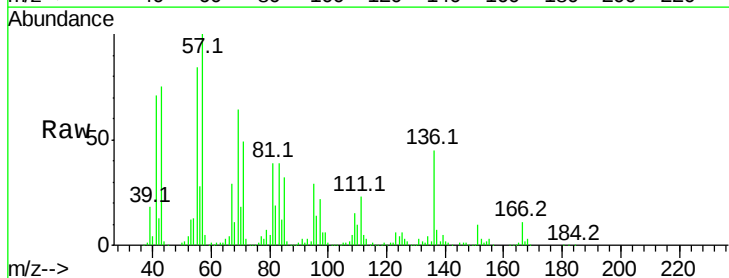
Instrument :
BNA_F
ClientSampled :

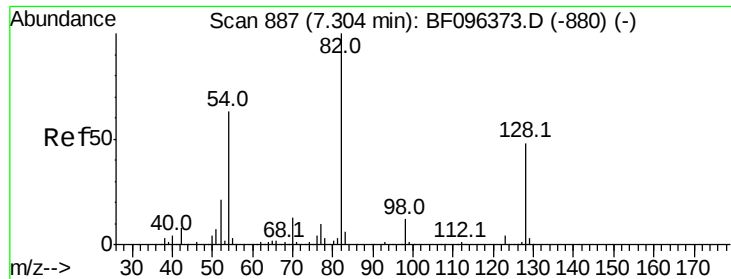
Tot Ion: 70 Resp: 64715
Ion Ratio Lower Upper
70 100
42 44.7 47.2 70.8#
101 0.0 7.2 10.8#
130 0.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion: 136 Resp: 212475
Ion Ratio Lower Upper
136 100
137 16.5 8.5 12.7#
54 28.2 4.9 7.3#
68 24.7 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 83.56 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampled :

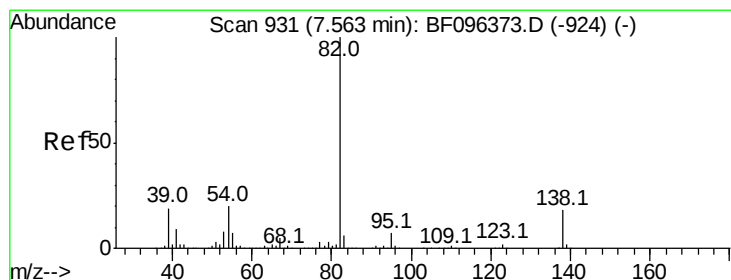
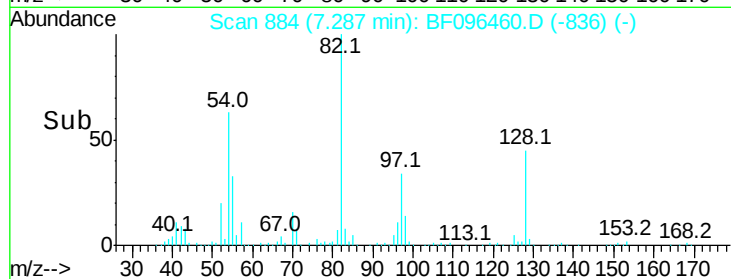
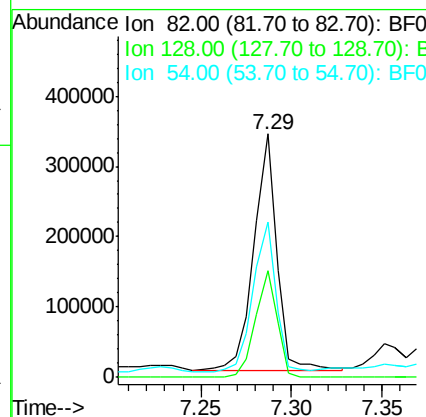
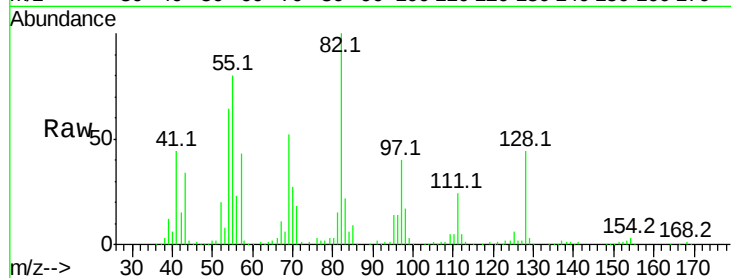
Tot Ion: 82 Resp: 295445

Ion Ratio Lower Upper

82 100

128 43.8 34.0 51.0

54 63.8 42.2 63.2#



#25

Isophorone

Concen: 16.18 ng

RT: 7.55 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

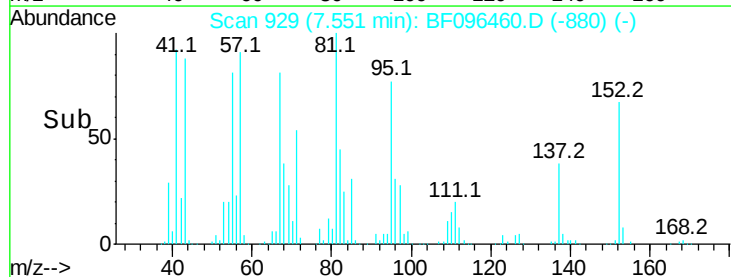
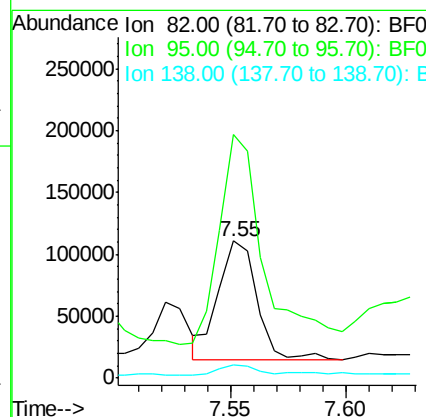
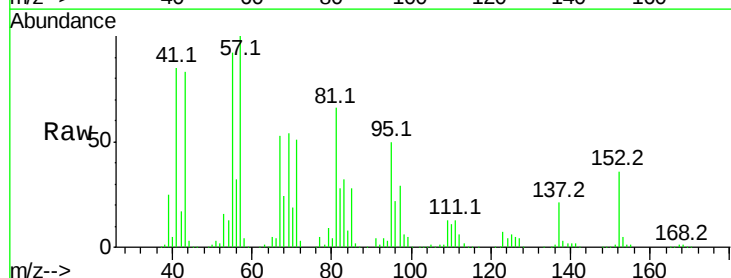
Tgt Ion: 82 Resp: 110914

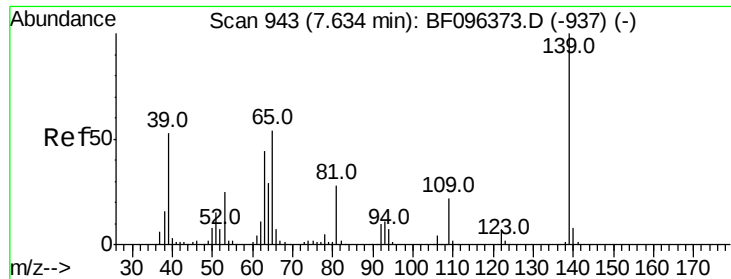
Ion Ratio Lower Upper

82 100

95 177.6 5.3 7.9#

138 9.5 13.1 19.7#





#26

2-Nitrophenol

Concen: 16.94 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

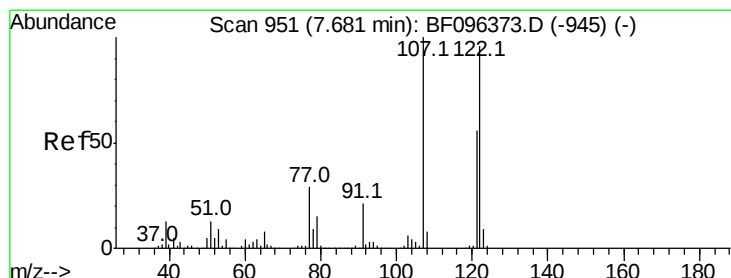
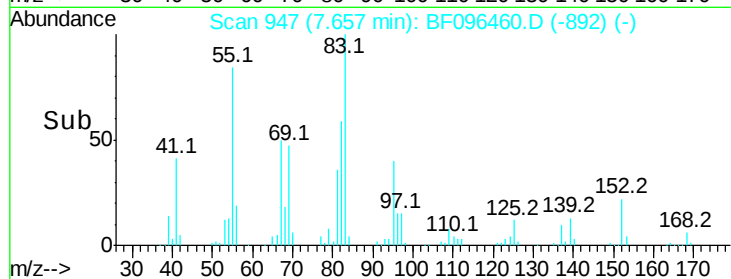
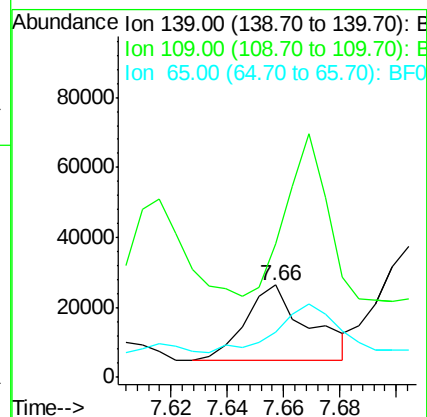
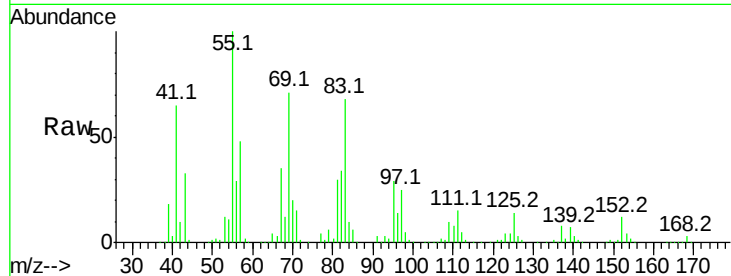
Tot Ion:139 Resp: 33254

Ion Ratio Lower Upper

139 100

109 144.8 21.0 31.6#

65 49.3 33.0 49.6



#27

2,4-Dimethylphenol

Concen: 5.31 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

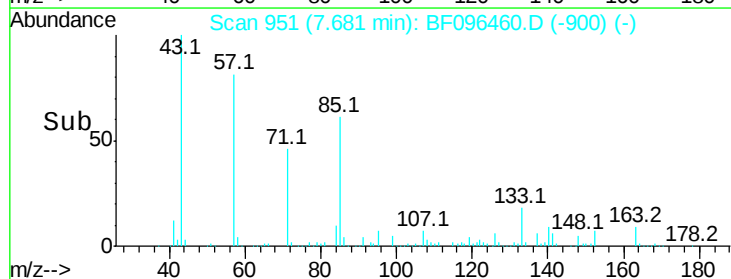
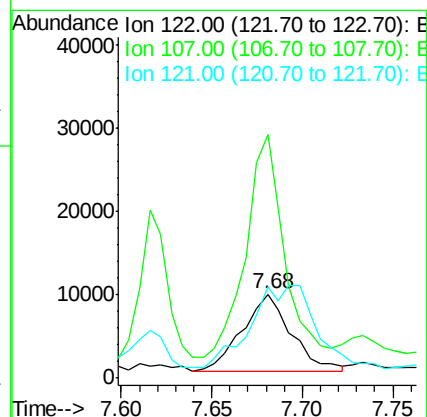
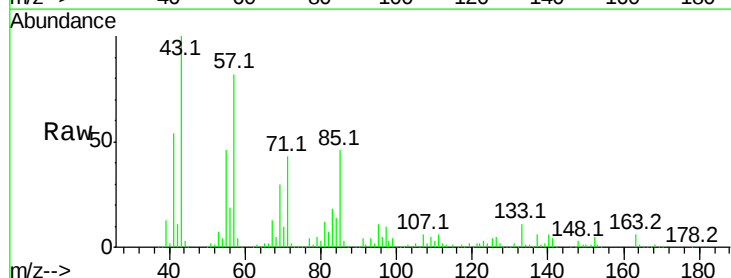
Tgt Ion:122 Resp: 17761

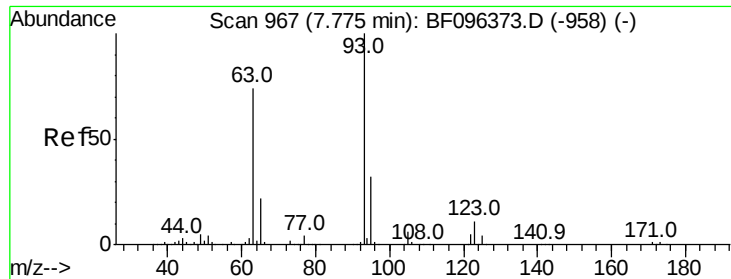
Ion Ratio Lower Upper

122 100

107 289.9 89.2 133.8#

121 108.8 45.2 67.8#

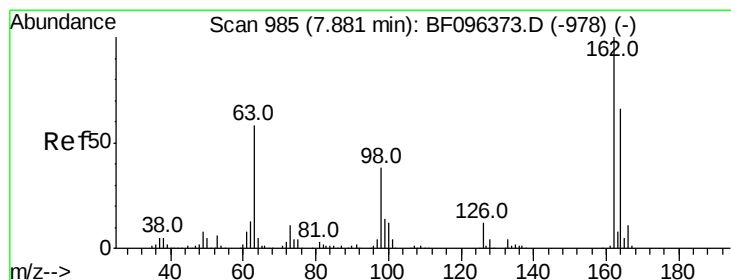
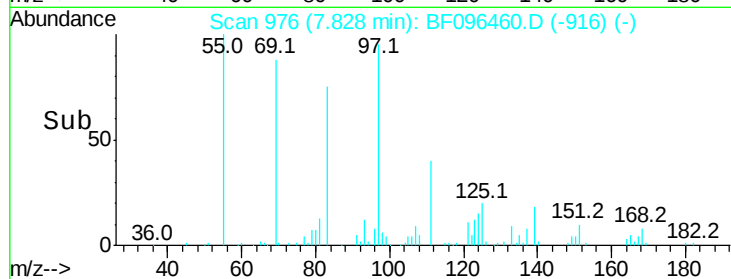
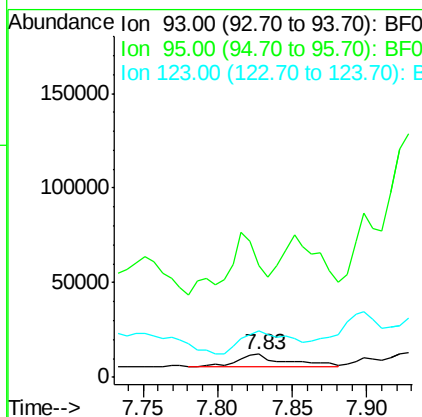
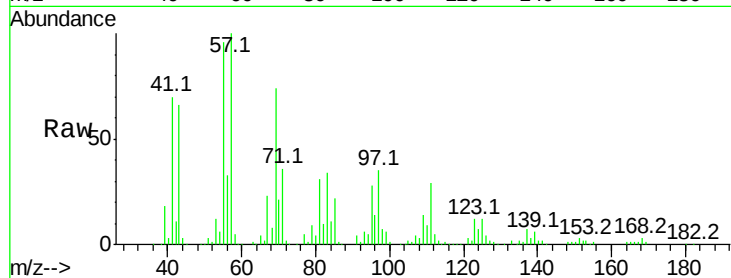




#28
bis(2-Chloroethoxy)methane
Concen: 3.35 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.05 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

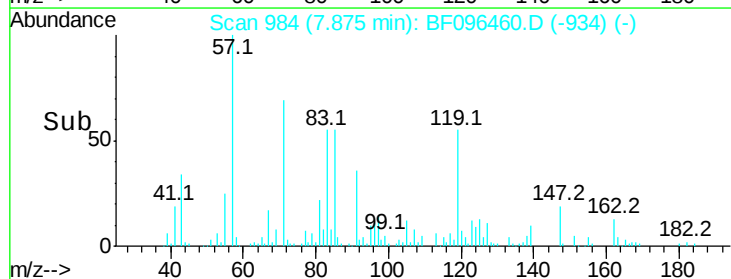
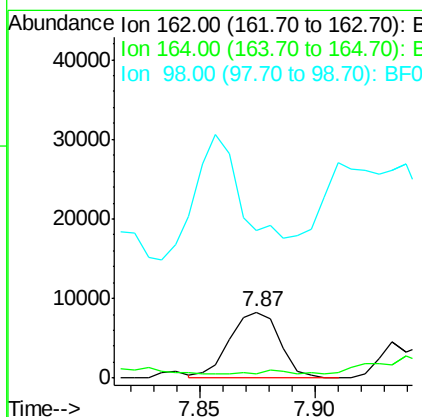
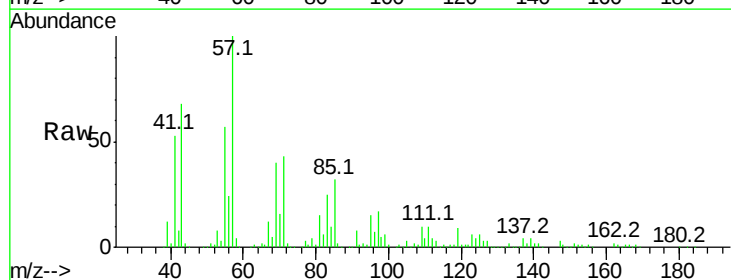
Instrument :
BNA_F
ClientSampleId :

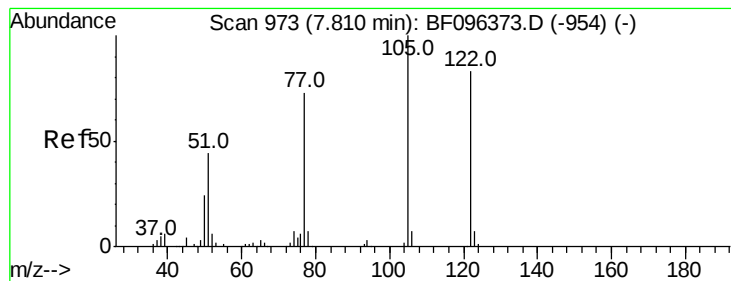
Tot Ion: 93 Resp: 15149
Ion Ratio Lower Upper
93 100
95 486.3 26.5 39.7#
123 204.5 9.0 13.4#



#29
2,4-Dichlorophenol
Concen: 4.36 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:162 Resp: 12565
Ion Ratio Lower Upper
162 100
164 7.0 44.6 84.6#
98 223.0 14.8 54.8#





#32

Benzoic acid

Concen: 2.62 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

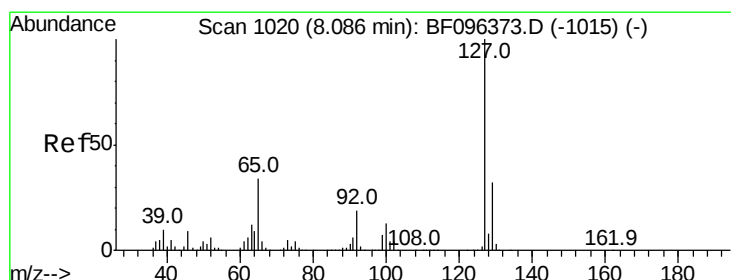
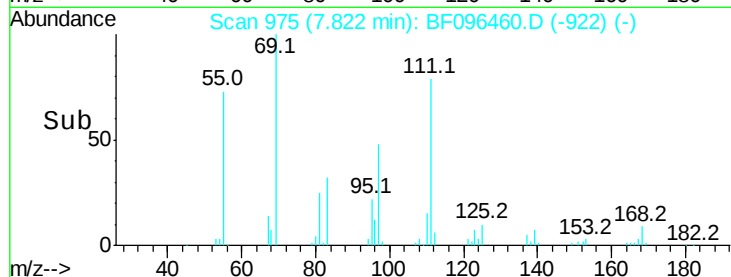
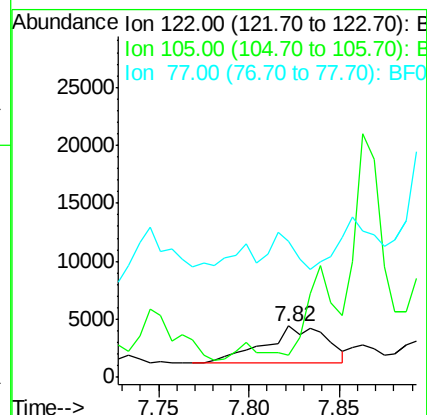
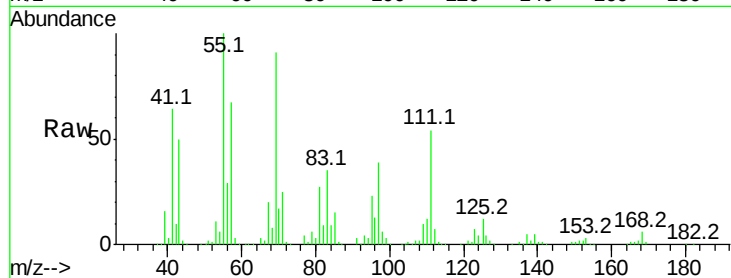
Tot Ion:122 Resp: 7363

Ion Ratio Lower Upper

122 100

105 42.9 103.3 143.3#

77 265.2 73.7 113.7#



#33

4-Chloroaniline

Concen: 5.99 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Tgt Ion:127 Resp: 24967

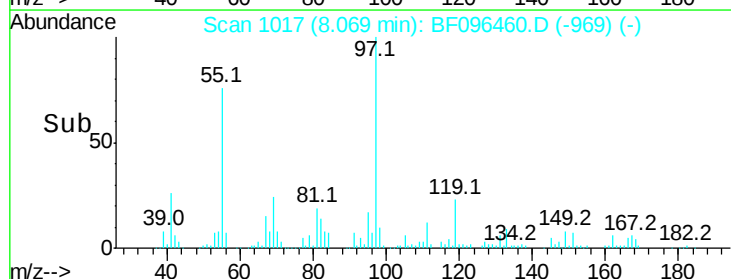
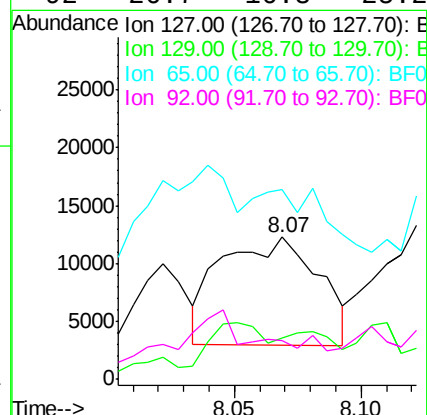
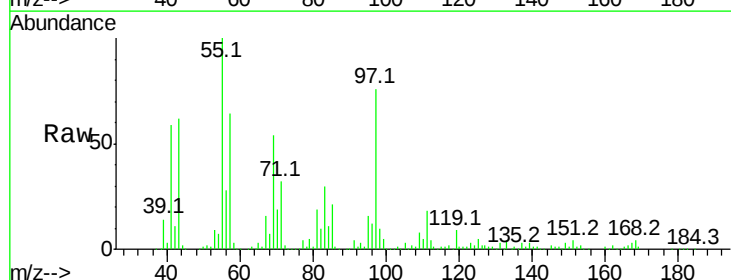
Ion Ratio Lower Upper

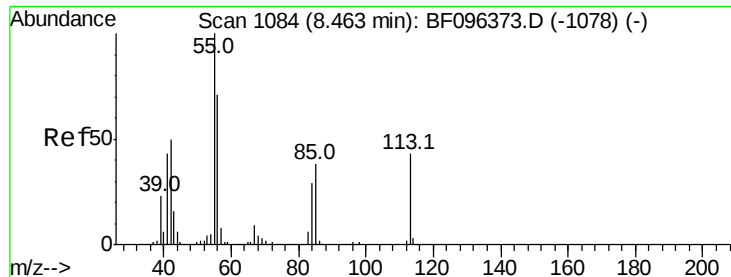
127 100

129 28.6 26.2 39.2

65 134.0 27.8 41.8#

92 26.7 16.8 25.2#





#35

Caprolactam

Concen: 147.83 ng

RT: 8.47 min Scan# 1086

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

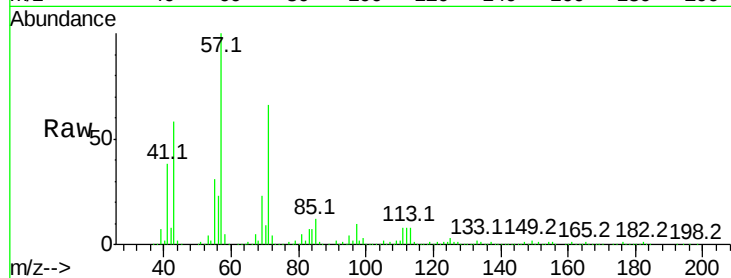
Tot Ion:113 Resp: 147034

Ion Ratio Lower Upper

113 100

55 381.9 150.2 190.2#

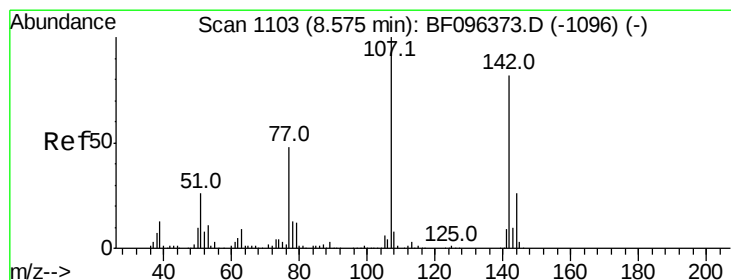
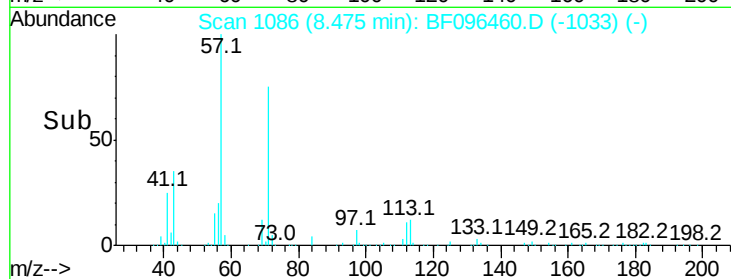
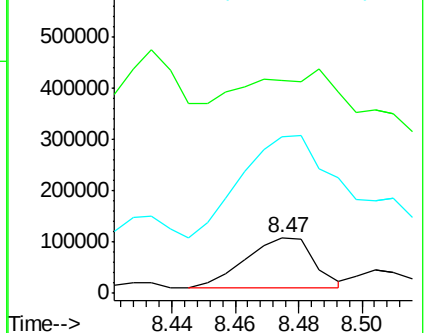
56 282.2 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 6.73 ng

RT: 8.56 min Scan# 1101

Delta R.T. -0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

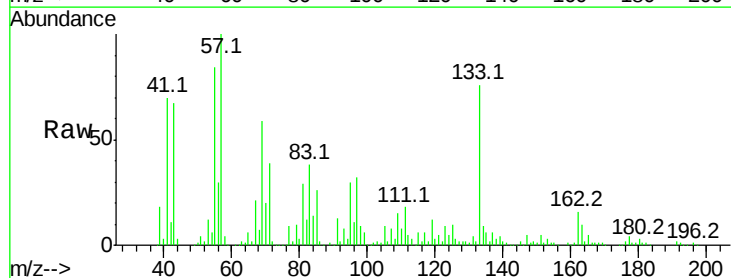
Tgt Ion:107 Resp: 21495

Ion Ratio Lower Upper

107 100

144 1.9 24.2 36.4#

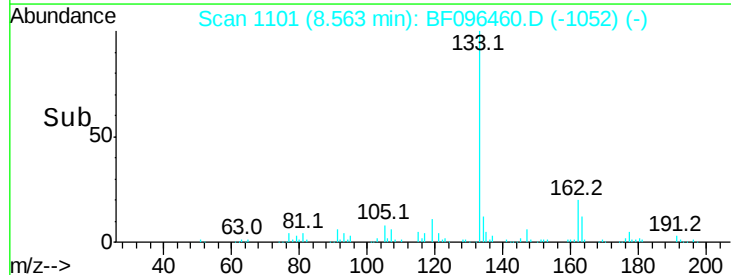
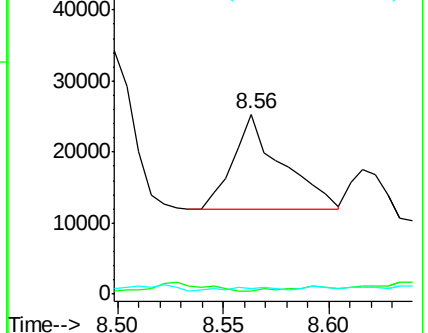
142 3.2 73.4 110.0#

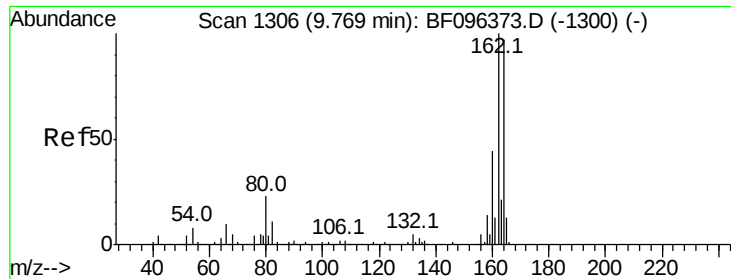


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

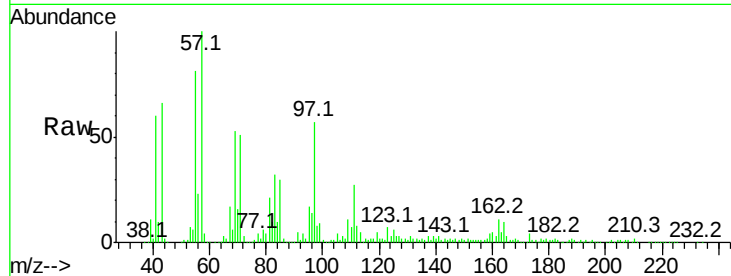
Tot Ion:164 Resp: 56914

Ion Ratio Lower Upper

164 100

162 103.5 82.6 123.8

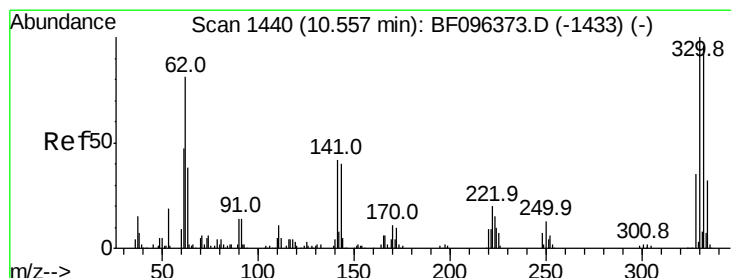
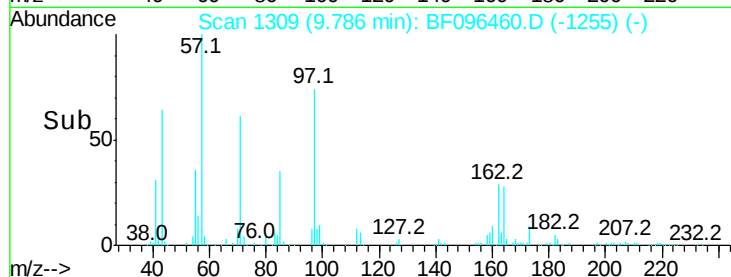
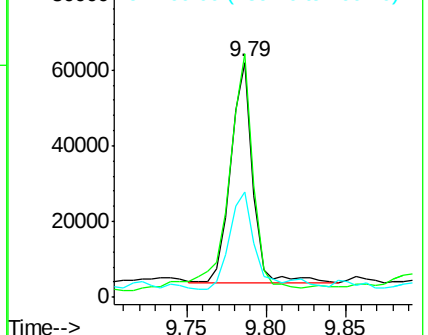
160 44.9 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 105.44 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

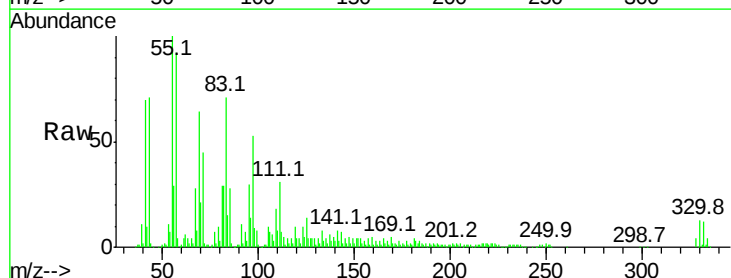
Tgt Ion:330 Resp: 46876

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

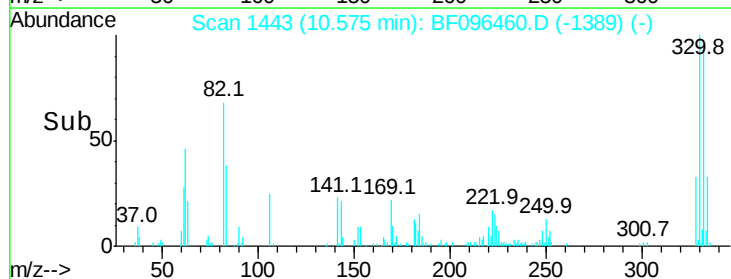
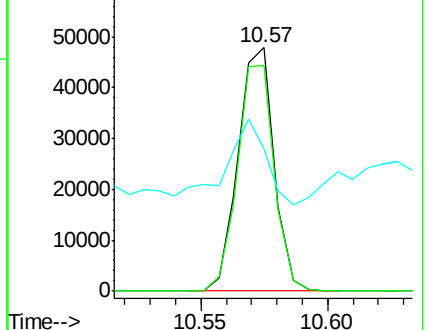
141 39.9 31.4 47.2

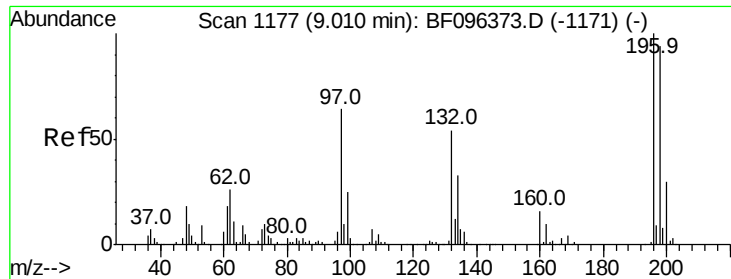


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

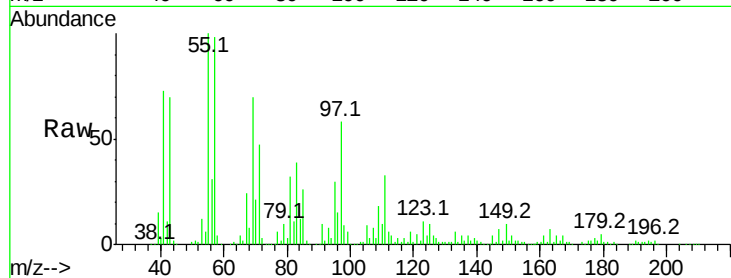




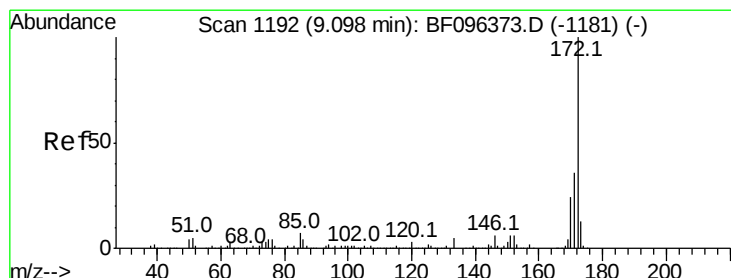
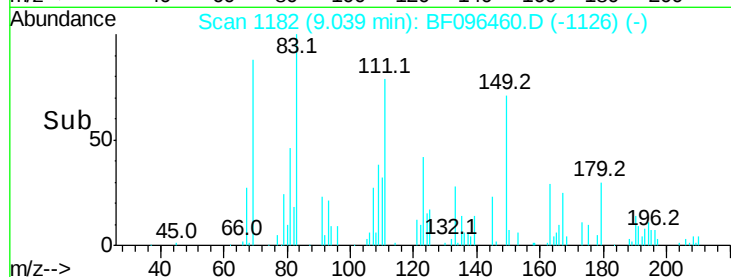
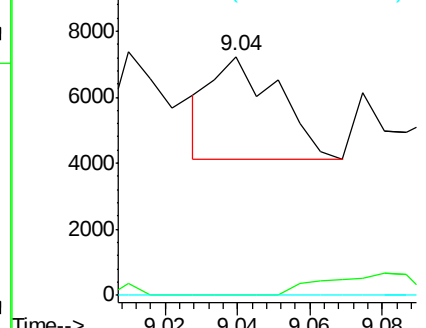
#42
 2,4,6-Trichlorophenol
 Concen: 3.35 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. 0.03 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 3919
 Ion Ratio Lower Upper
 196 100
 198 0.0 74.2 111.4#
 200 0.0 24.0 36.0#

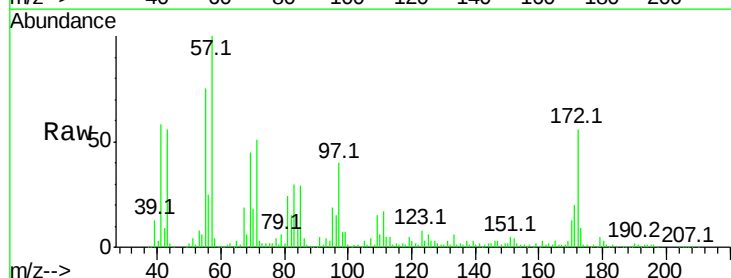


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

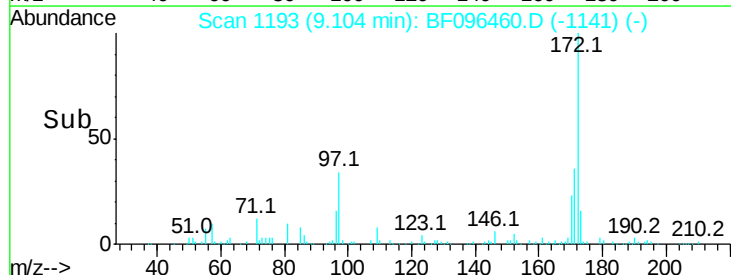
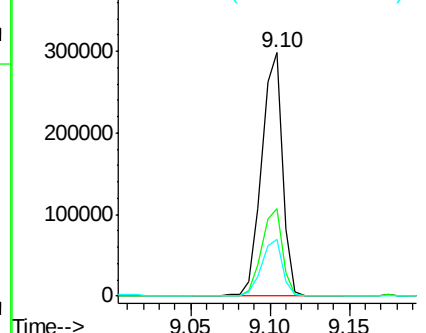


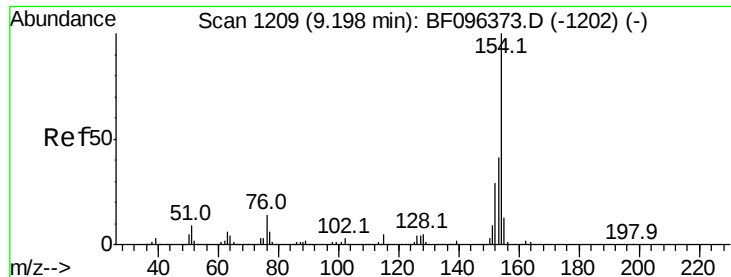
#44
 2-Fluorobiphenyl
 Concen: 83.06 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

Tgt Ion:172 Resp: 276501
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.5 19.8 29.8



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

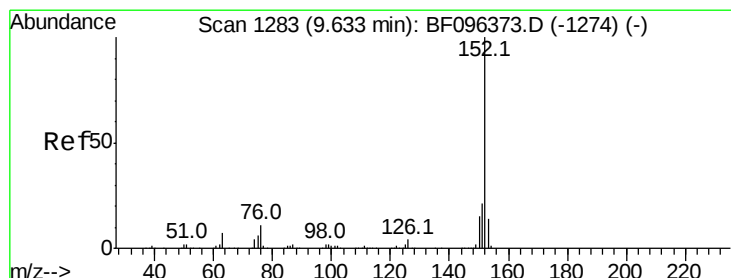
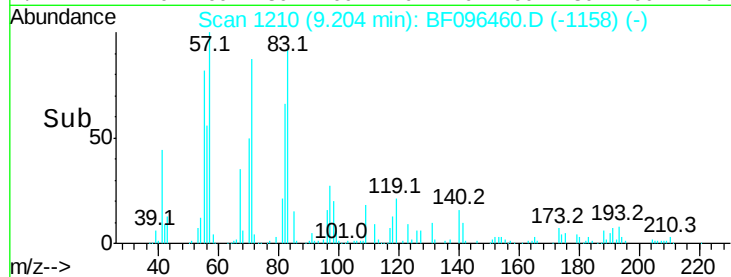
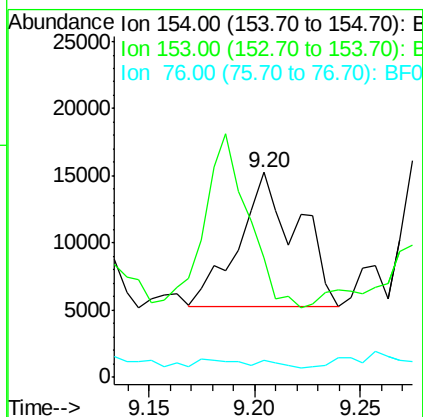
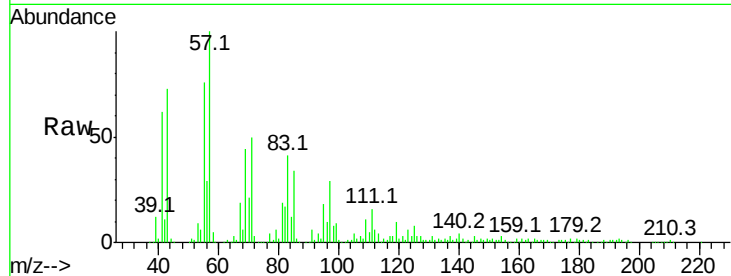




#45
 1,1'-Biphenyl
 Concen: 4.04 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

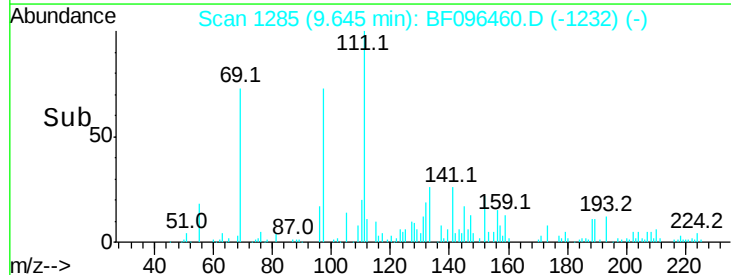
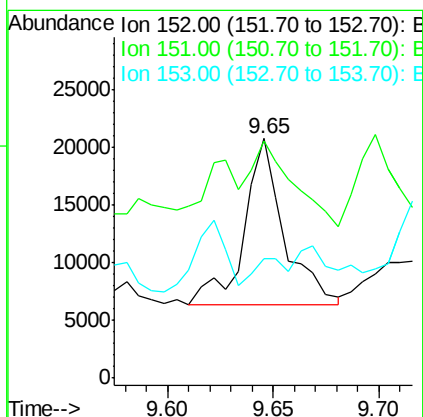
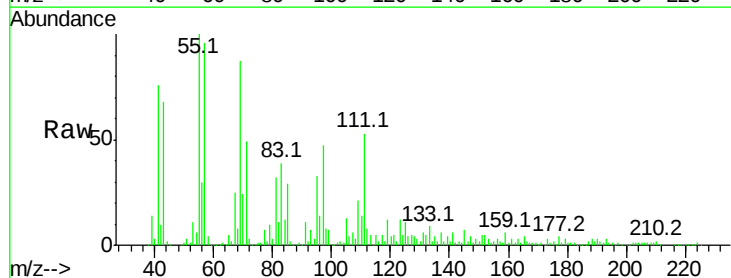
Instrument :
 BNA_F
 ClientSampleId :

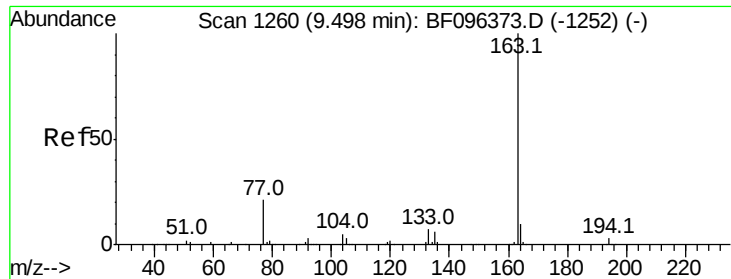
Tot Ion:154 Resp: 19701
 Ion Ratio Lower Upper
 154 100
 153 58.2 21.2 61.2
 76 8.2 0.0 29.9



#48
 Acenaphthylene
 Concen: 3.33 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

Tgt Ion:152 Resp: 19162
 Ion Ratio Lower Upper
 152 100
 151 98.8 16.8 25.2#
 153 49.7 10.8 16.2#





#49

Dimethylphthalate

Concen: 25.68 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

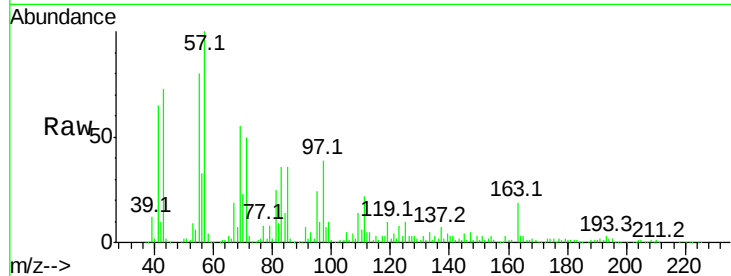
Tot Ion:163 Resp: 109115

Ion Ratio Lower Upper

163 100

194 9.8 2.6 4.0#

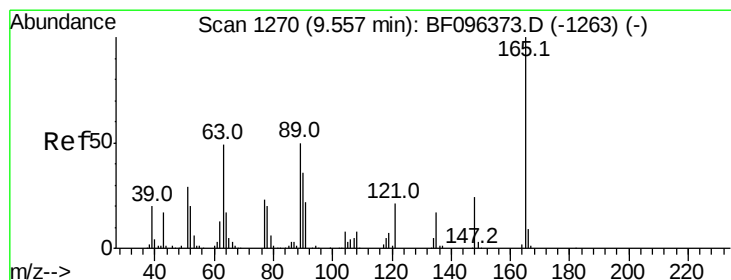
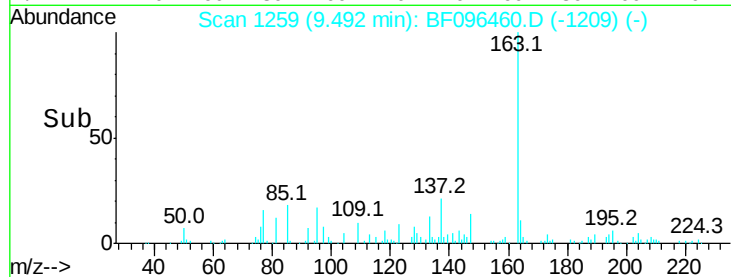
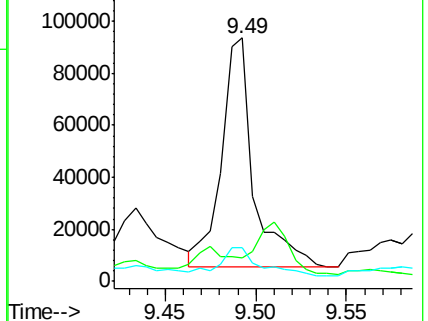
164 13.6 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 18.47 ng

RT: 9.57 min Scan# 1273

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

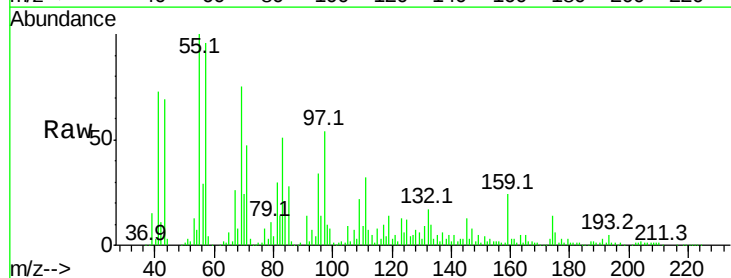
Tgt Ion:165 Resp: 17354

Ion Ratio Lower Upper

165 100

63 39.3 34.3 51.5

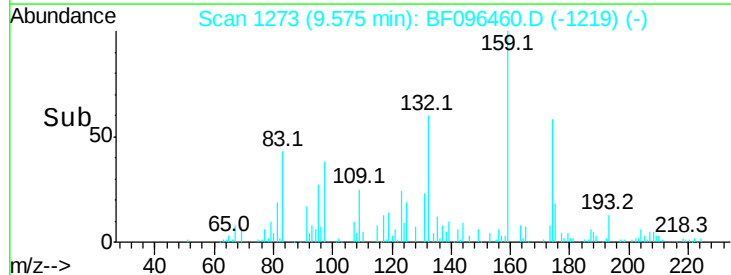
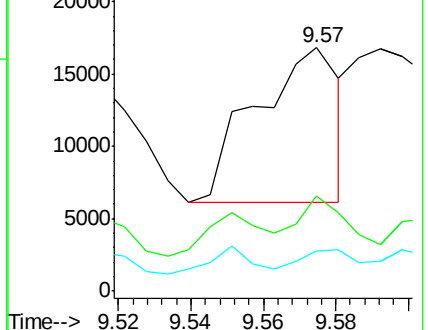
89 16.6 37.1 55.7#

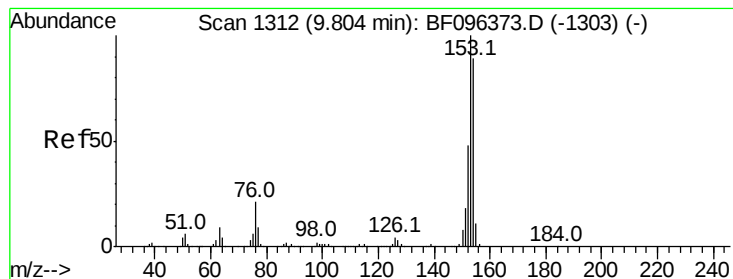


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 8.23 ng

RT: 9.82 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

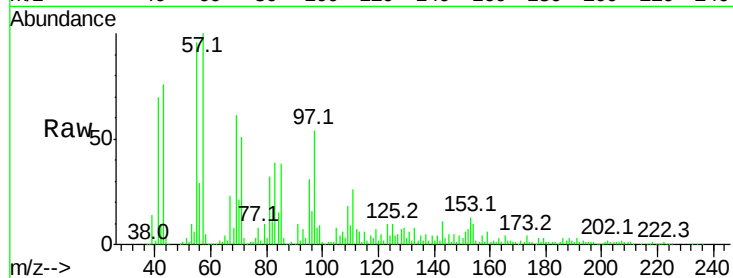
Tot Ion:154 Resp: 29197

Ion Ratio Lower Upper

154 100

153 127.2 90.5 135.7

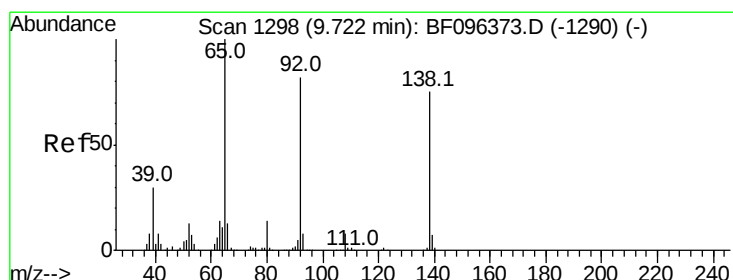
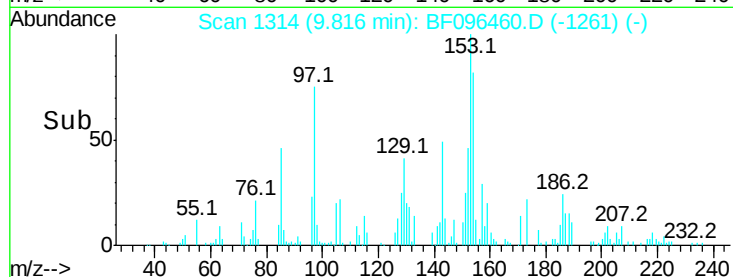
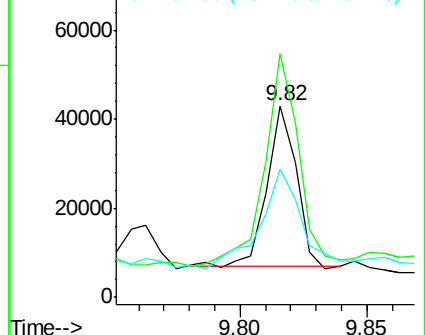
152 67.2 43.6 65.4#



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



#52

3-Nitroaniline

Concen: 4.72 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.03 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

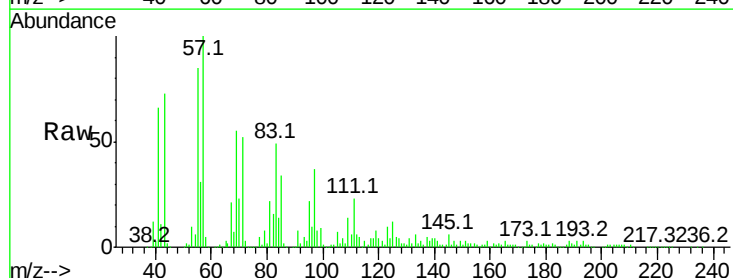
Tgt Ion:138 Resp: 5533

Ion Ratio Lower Upper

138 100

108 72.4 9.1 13.7#

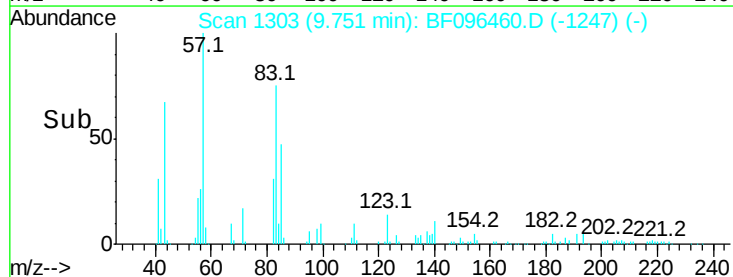
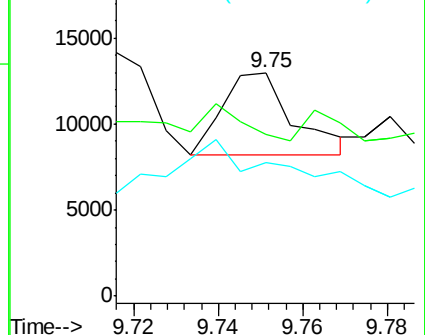
92 59.6 93.8 140.6#

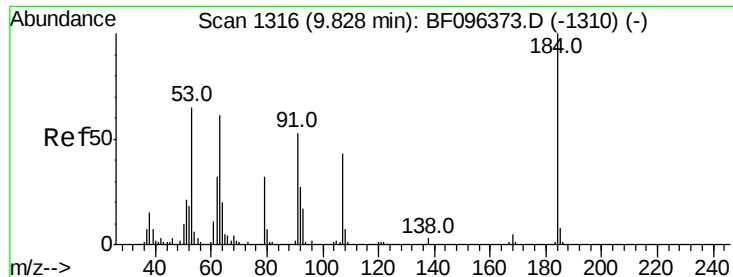


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 3.80 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampled :

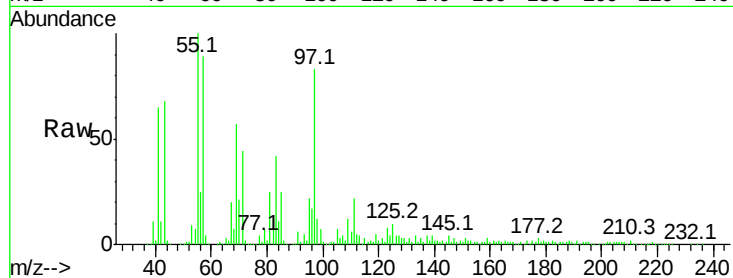
Tot Ion:184 Resp: 1898

Ion Ratio Lower Upper

184 100

63 272.0 62.7 94.1#

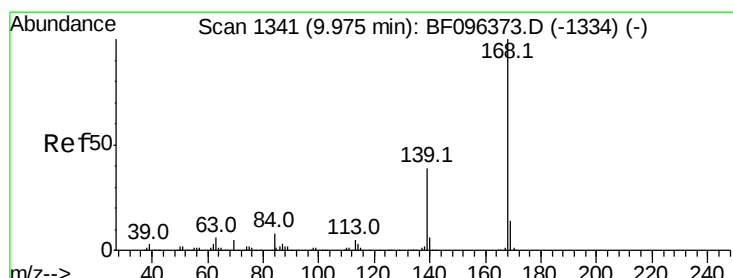
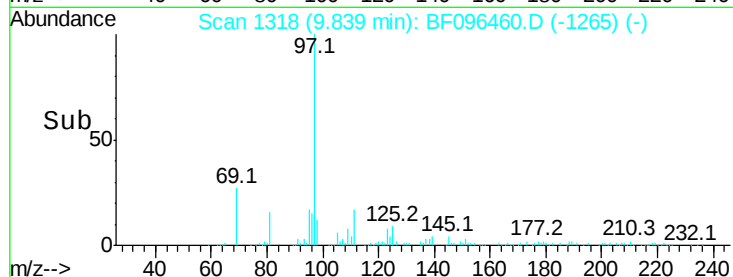
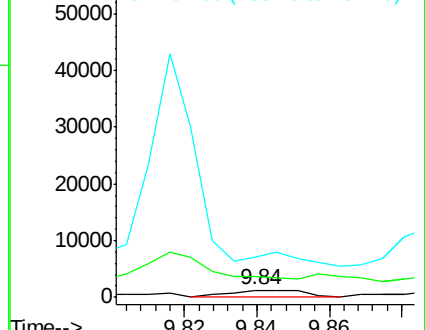
154 530.9 81.1 121.7#



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: 3.30 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

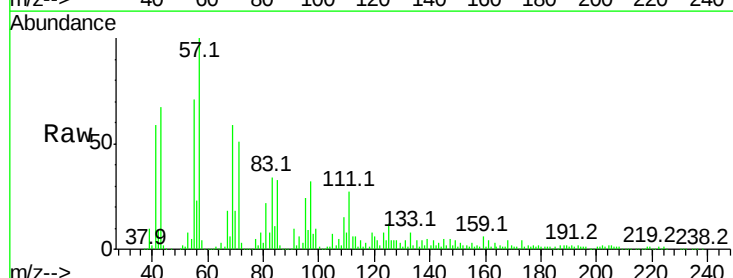
Tgt Ion:168 Resp: 15462

Ion Ratio Lower Upper

168 100

139 146.3 30.6 45.8#

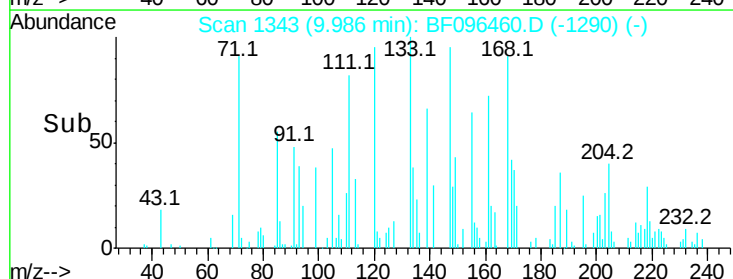
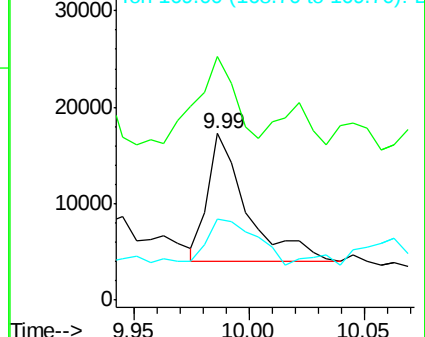
169 48.4 10.8 16.2#

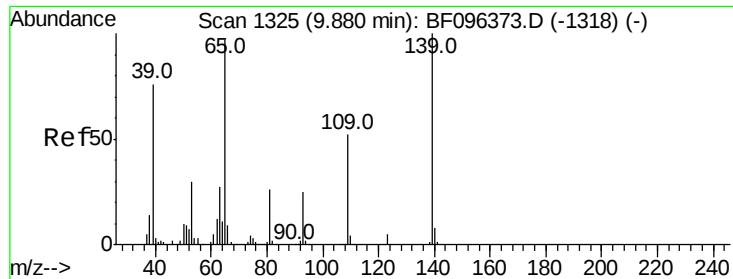


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

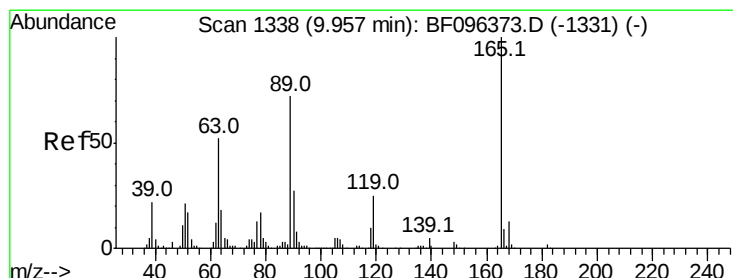
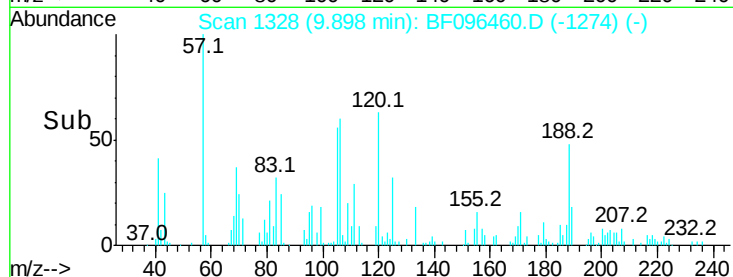
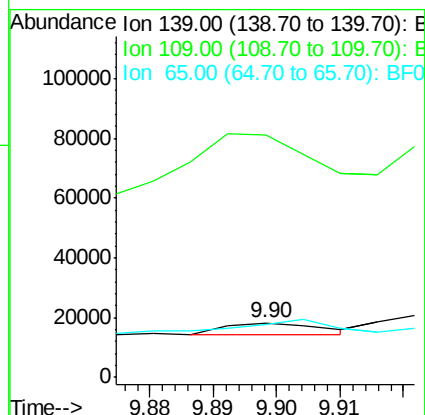
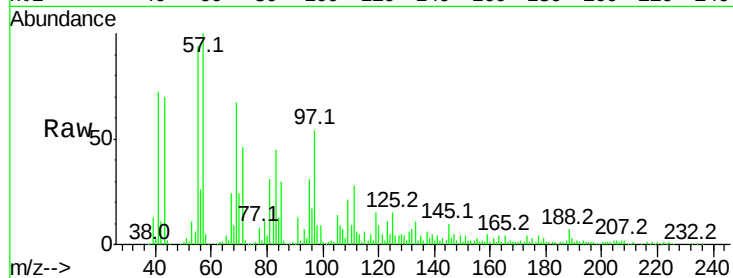




#55
4-Nitrophenol
Concen: 4.23 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

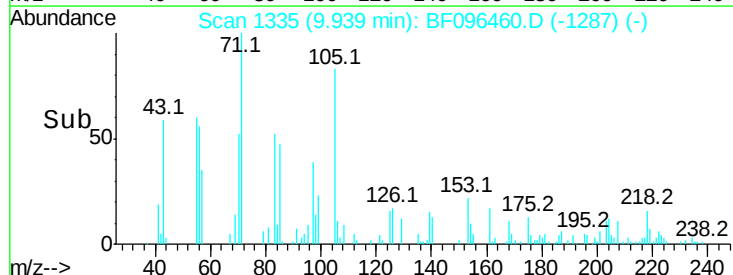
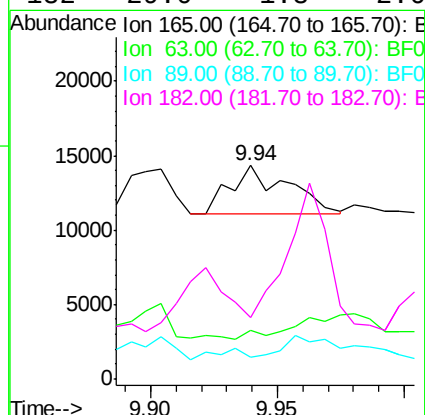
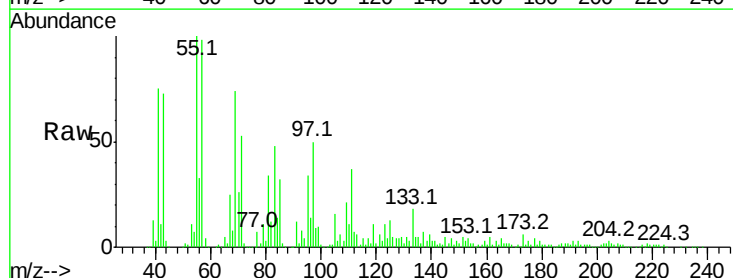
Instrument :
BNA_F
ClientSampled :

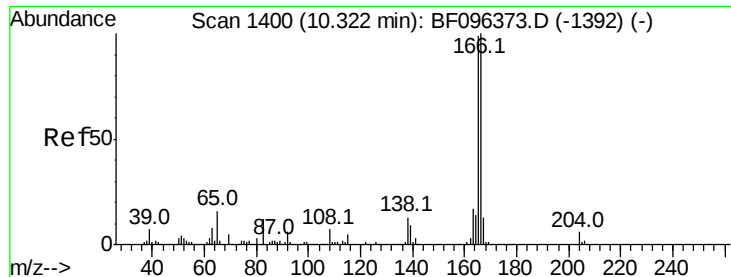
Tot Ion:139 Resp: 4111
Ion Ratio Lower Upper
139 100
109 441.9 34.1 74.1#
65 96.1 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 4.33 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:165 Resp: 5157
Ion Ratio Lower Upper
165 100
63 22.9 25.4 38.0#
89 10.3 46.4 69.6#
182 29.0 1.8 2.6#

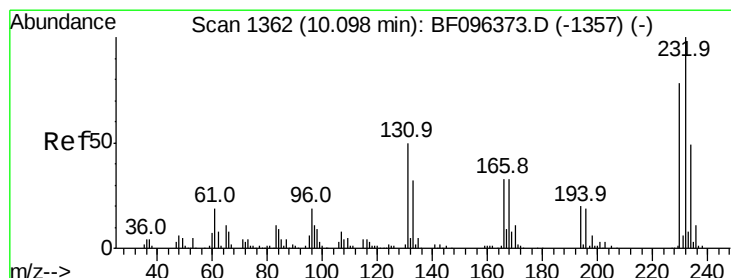
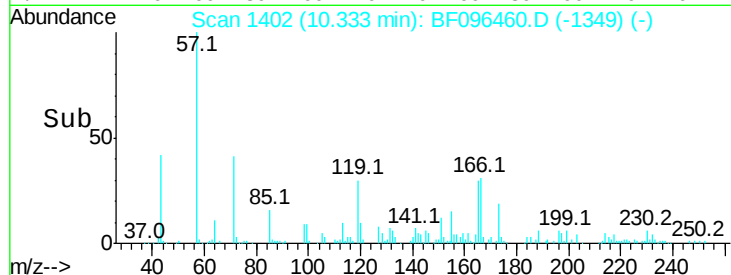
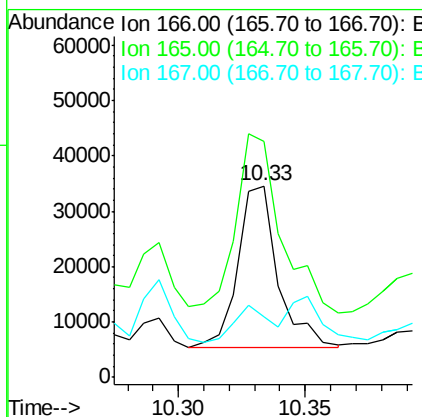
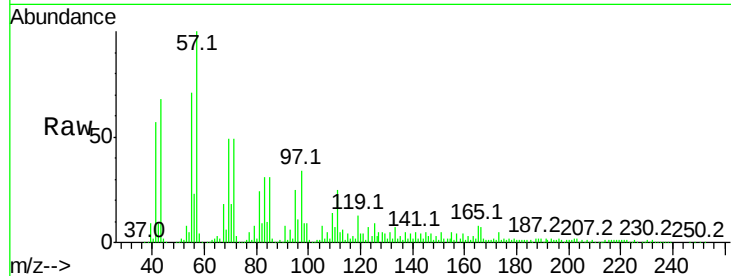




#57
 Fluorene
 Concen: 9.70 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. 0.01 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

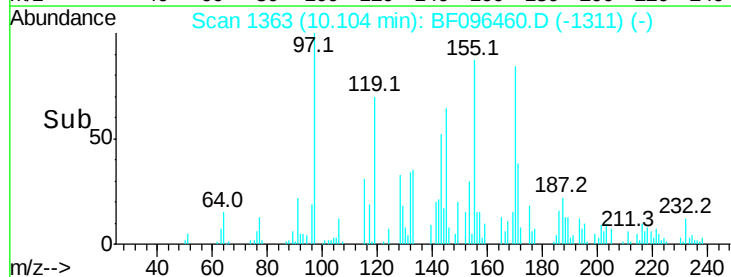
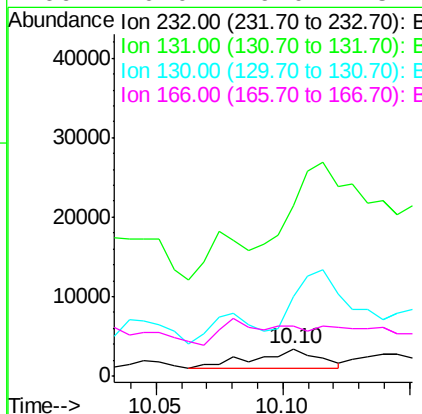
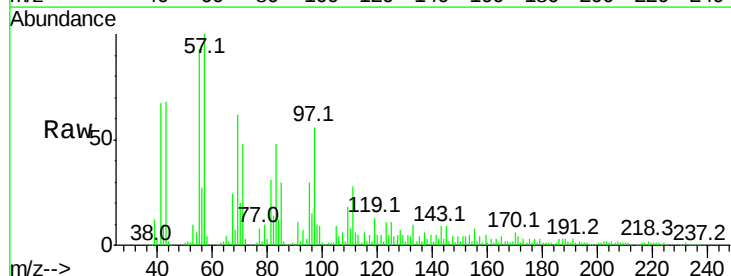
Instrument :
 BNA_F
 ClientSampled :

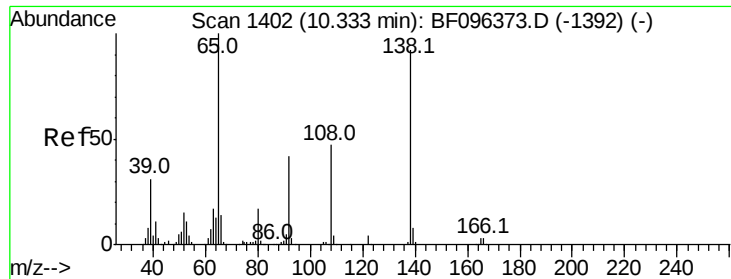
Tot Ion:166 Resp: 32101
 Ion Ratio Lower Upper
 166 100
 165 123.3 78.8 118.2#
 167 31.8 10.6 16.0#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.62 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

Tgt Ion:232 Resp: 4491
 Ion Ratio Lower Upper
 232 100
 131 567.8 44.8 67.2#
 130 244.8 2.3 3.5#
 166 0.0 29.0 43.4#





#61

4-Nitroaniline

Concen: 2.73 ng

RT: 10.24 min Scan# 1386

Delta R.T. -0.09 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

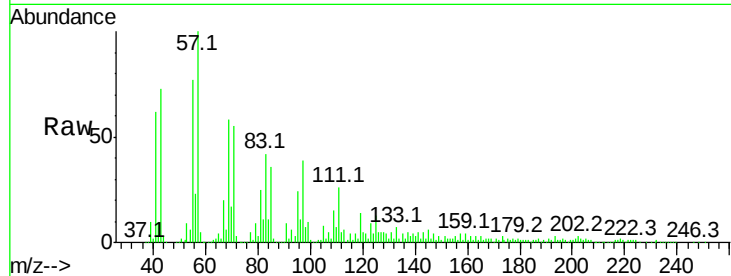
Tot Ion:138 Resp: 2906

Ion Ratio Lower Upper

138 100

92 58.0 21.8 61.8

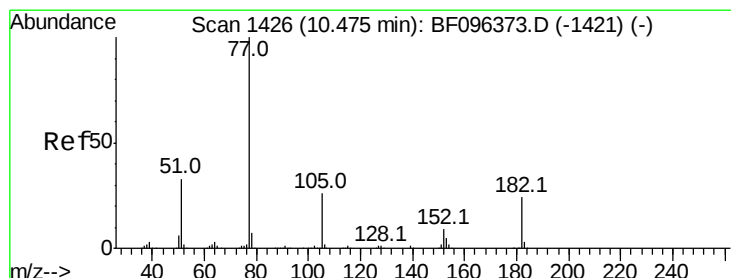
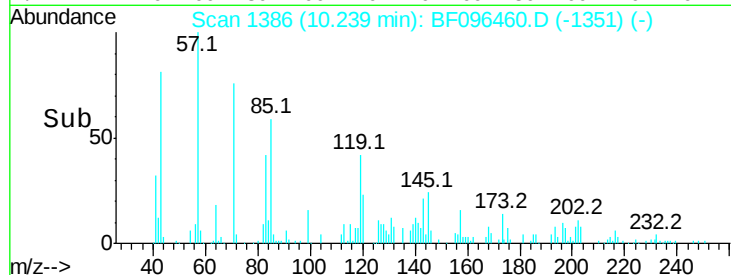
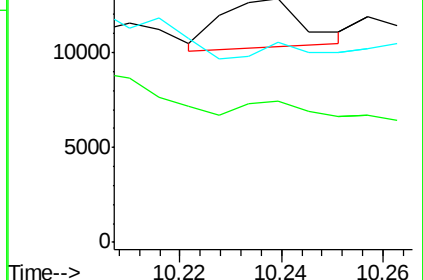
108 82.0 42.3 82.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 2.86 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Tgt Ion: 77 Resp: 11088

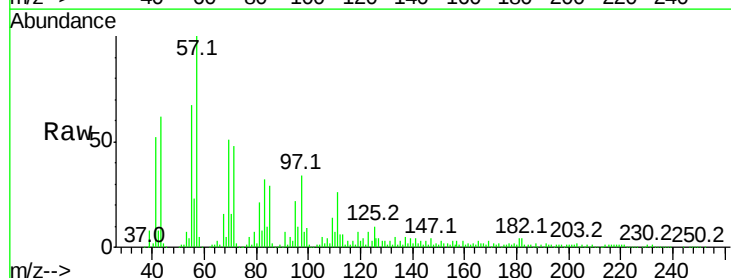
Ion Ratio Lower Upper

77 100

182 77.9 0.1 40.1#

105 105.6 3.6 43.6#

51 25.0 9.4 49.4

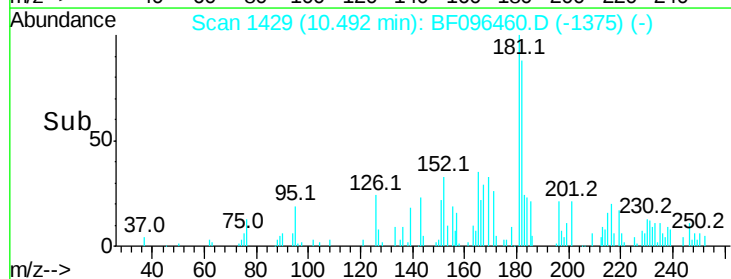
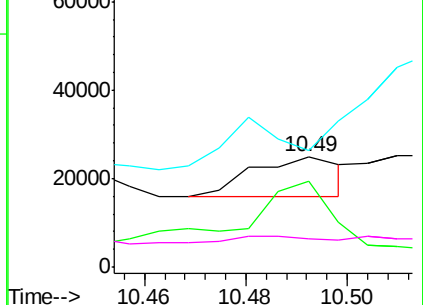


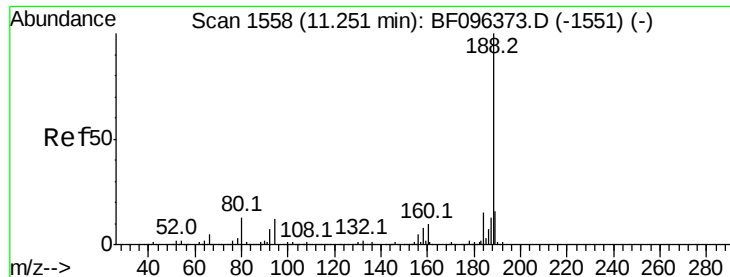
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.27 min Scan# 1561

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

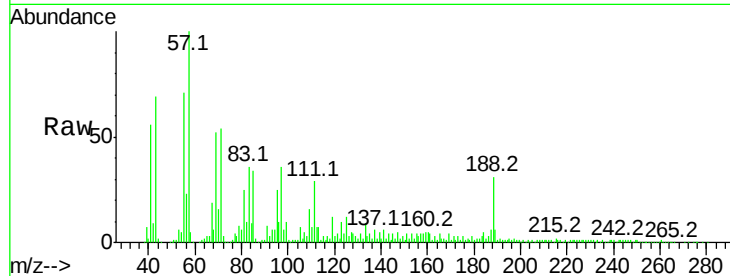
Tot Ion:188 Resp: 114943

Ion Ratio Lower Upper

188 100

94 20.0 9.4 14.2#

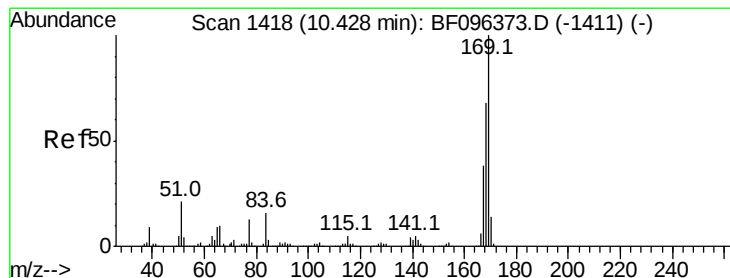
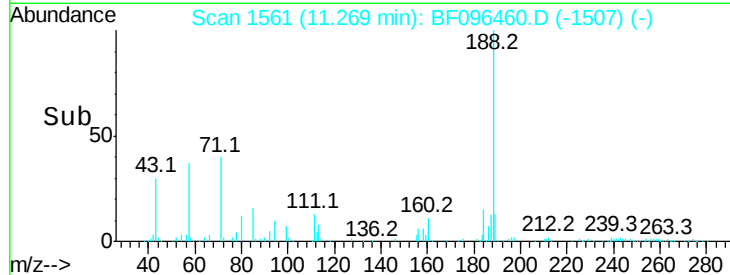
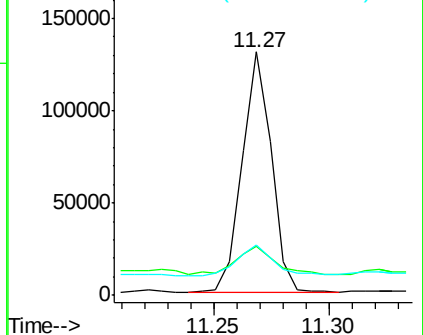
80 20.6 10.2 15.2#



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: 18.06 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.03 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

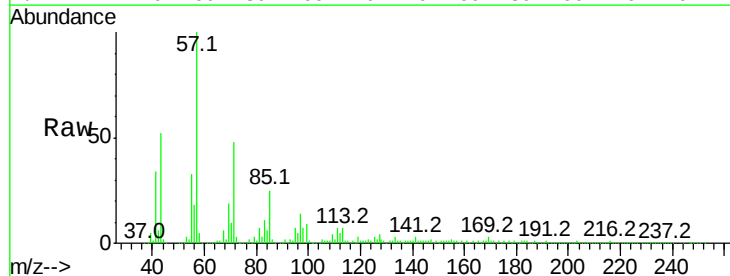
Tgt Ion:169 Resp: 72855

Ion Ratio Lower Upper

169 100

168 22.4 53.2 79.8#

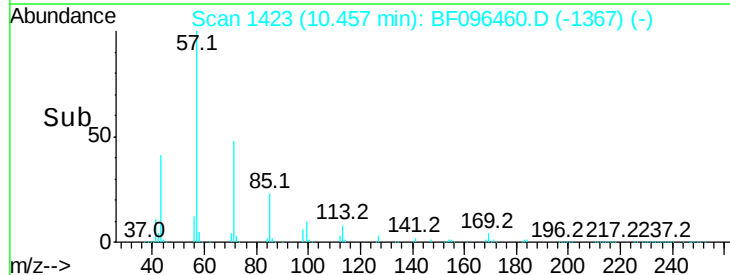
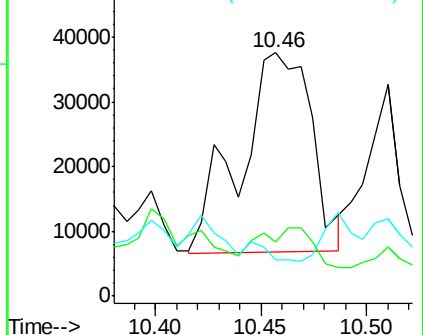
167 15.0 29.5 44.3#

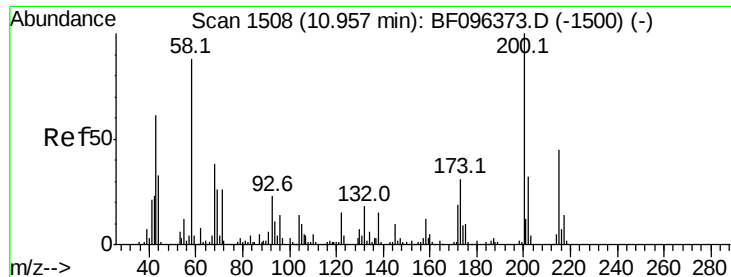


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

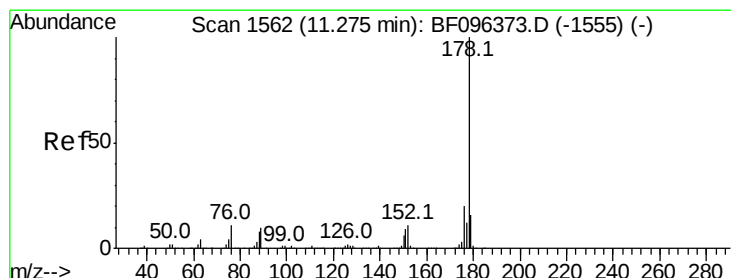
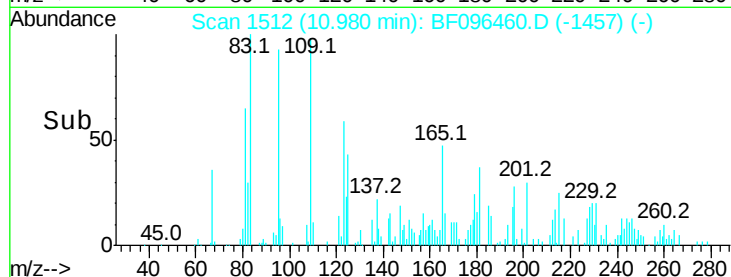
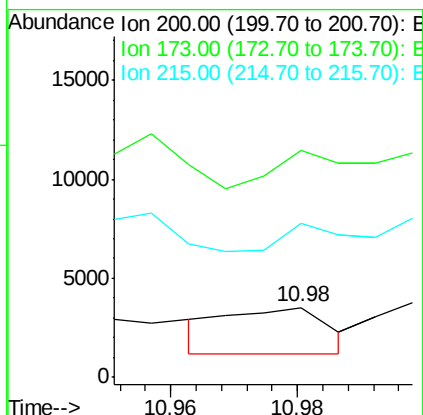
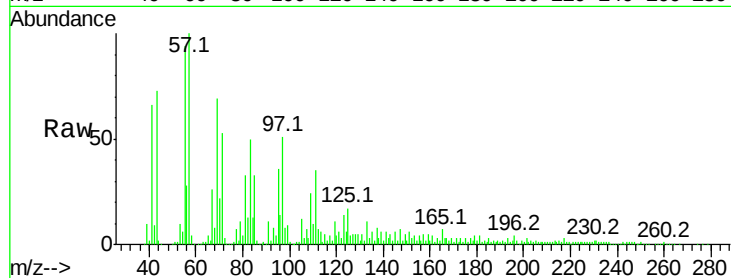




#68
Atrazine
Concen: 2.27 ng
RT: 10.98 min Scan# 1512
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

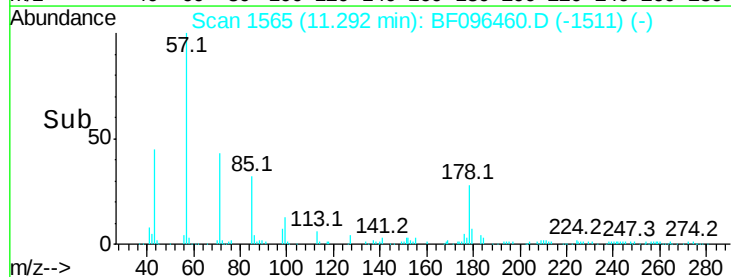
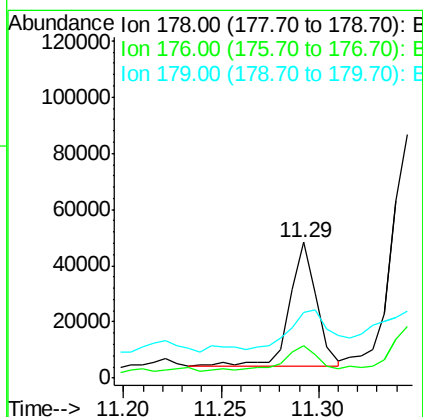
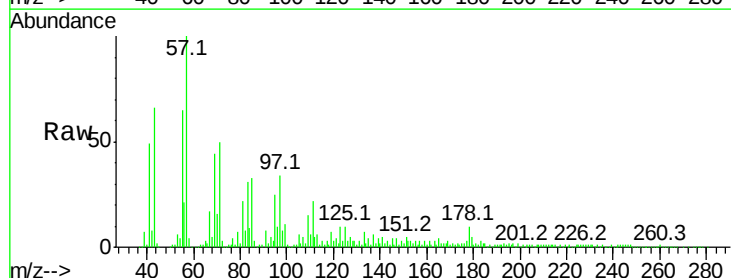
Instrument :
BNA_F
ClientSampleId :

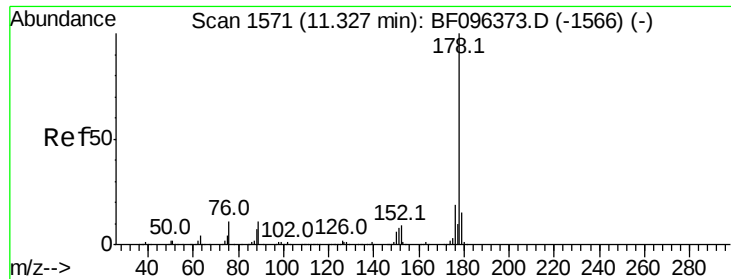
Tot Ion:200 Resp: 2613
Ion Ratio Lower Upper
200 100
173 326.6 6.3 46.3#
215 221.9 27.2 67.2#



#70
Phenanthrene
Concen: 6.86 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:178 Resp: 42617
Ion Ratio Lower Upper
178 100
176 24.1 16.2 24.4
179 48.6 12.6 19.0#





#71

Anthracene

Concen: 11.10 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

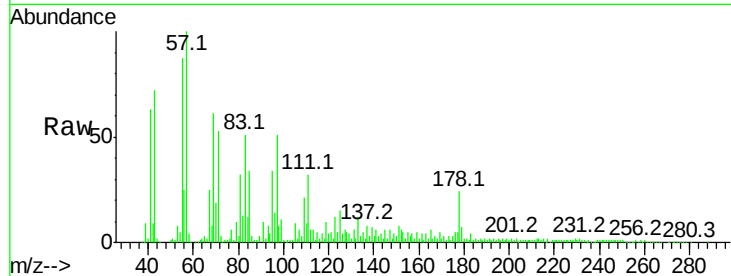
Tot Ion:178 Resp: 70312

Ion Ratio Lower Upper

178 100

176 21.1 15.8 23.8

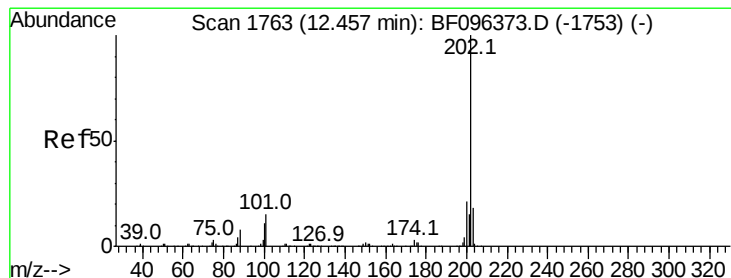
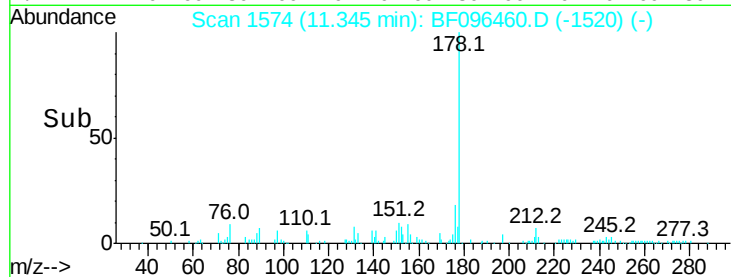
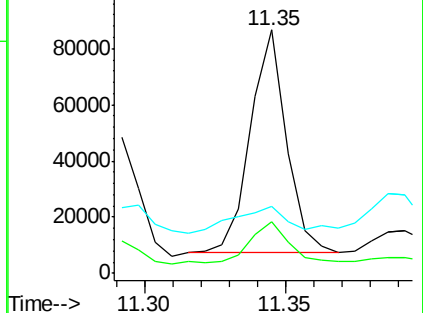
179 27.4 12.7 19.1#



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



#74

Fluoranthene

Concen: 92.92 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.04 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

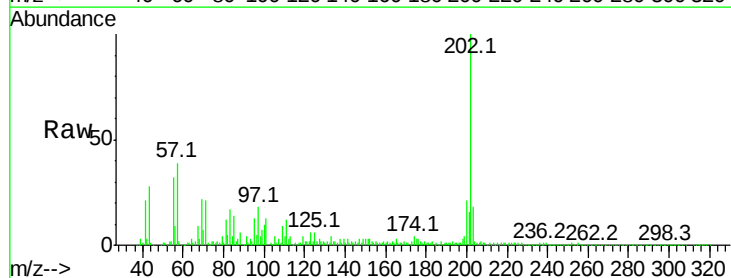
Tgt Ion:202 Resp: 566094

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

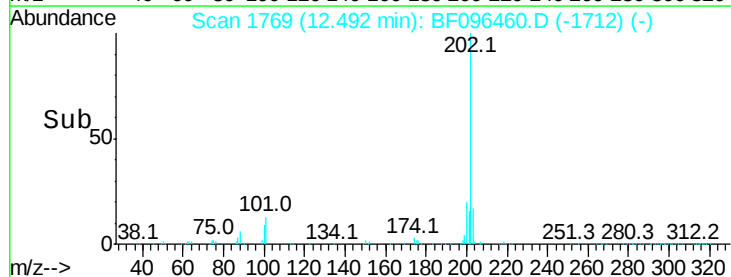
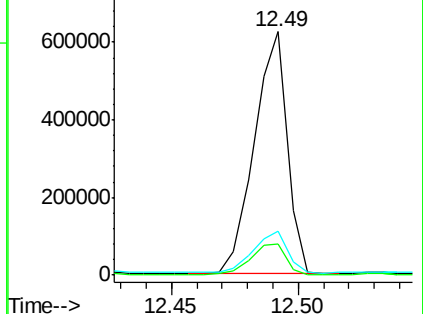
203 18.2 0.0 38.1

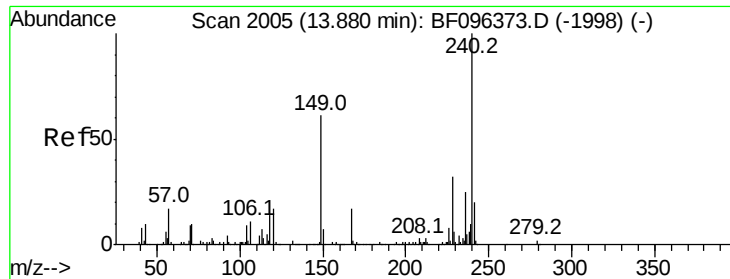


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

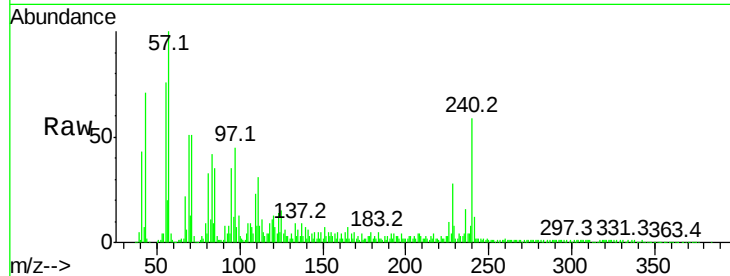
Tot Ion:240 Resp: 120394

Ion Ratio Lower Upper

240 100

120 21.5 5.8 8.8#

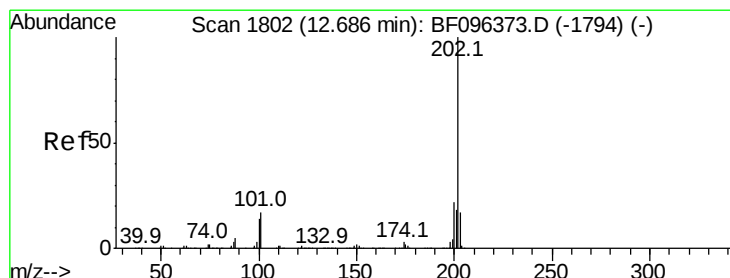
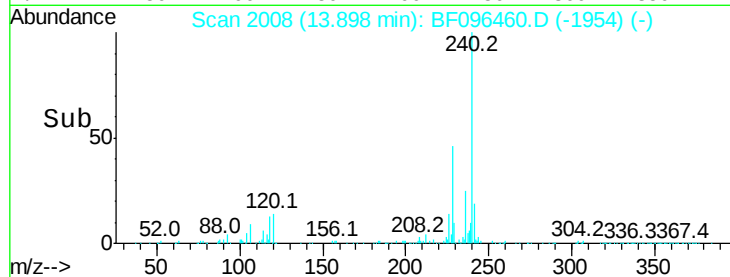
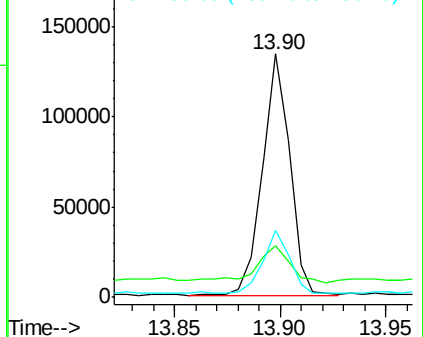
236 27.3 20.5 30.7



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



#77

Pyrene

Concen: 58.45 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.03 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

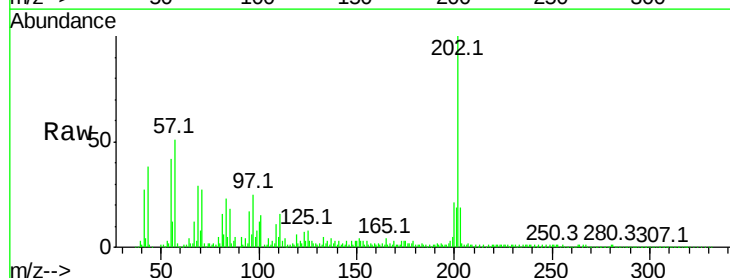
Tgt Ion:202 Resp: 564815

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

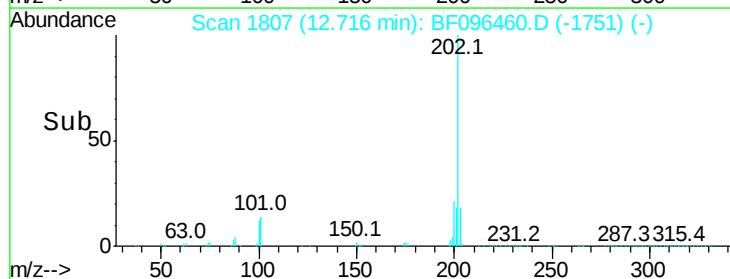
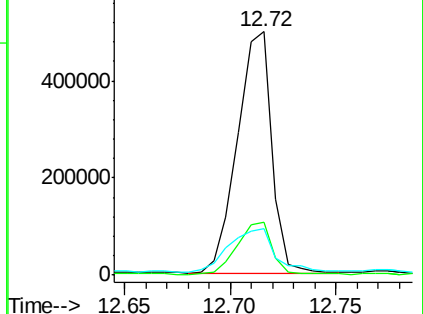
203 19.1 14.4 21.6

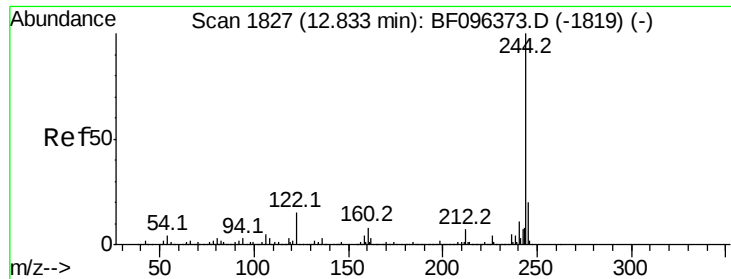


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

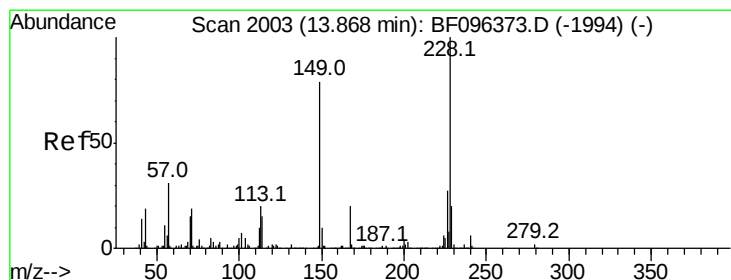
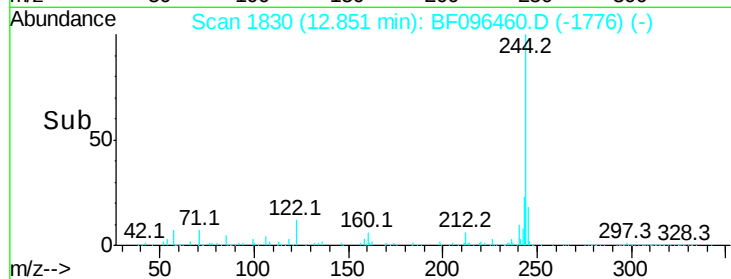
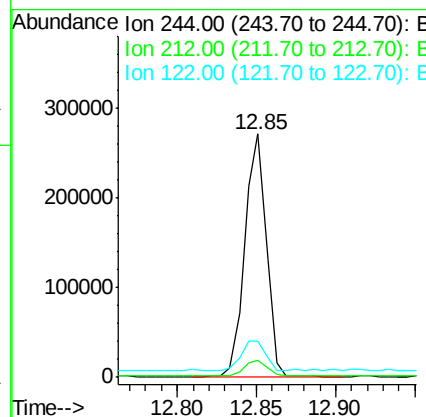
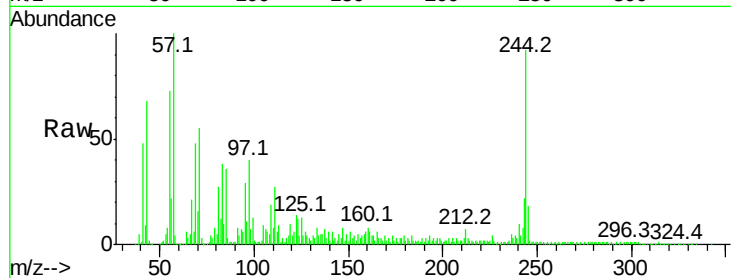




#78
 Terphenyl-d14
 Concen: 44.75 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.02 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

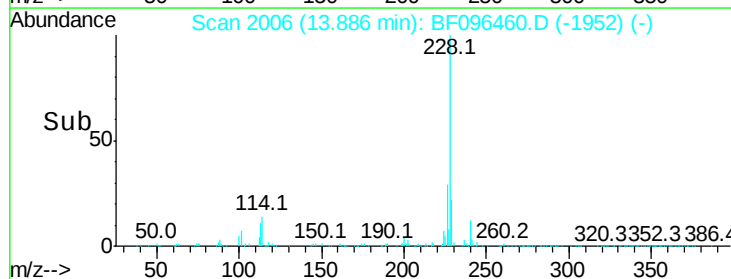
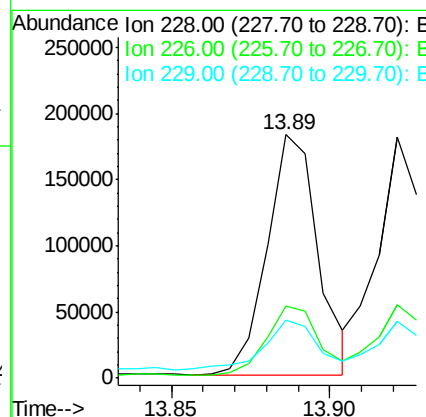
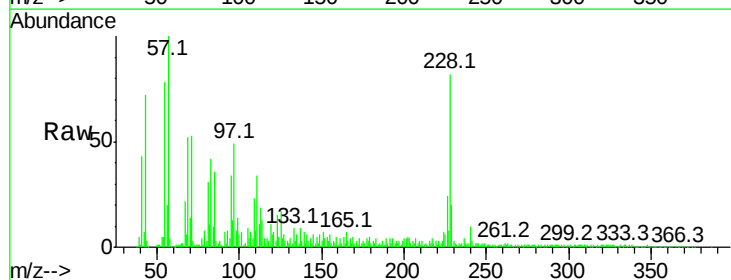
Instrument :
 BNA_F
 ClientSampleId :

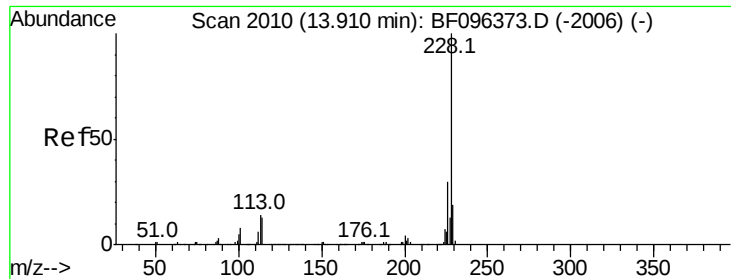
Tot Ion:244 Resp: 252110
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 15.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 29.28 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.02 min
 Lab File: BF096460.D
 Acq: 4 Jul 2017 1:24

Tgt Ion:228 Resp: 204106
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.6 33.8
 229 23.9 16.3 24.5





#82

Chrysene

Concen: 24.02 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

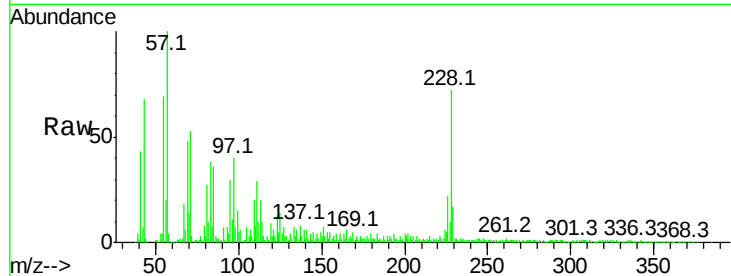
Tot Ion:228 Resp: 175353

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

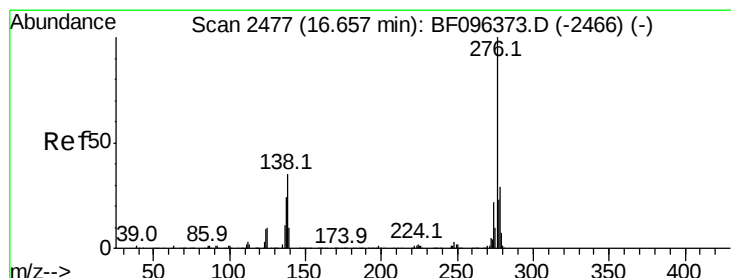
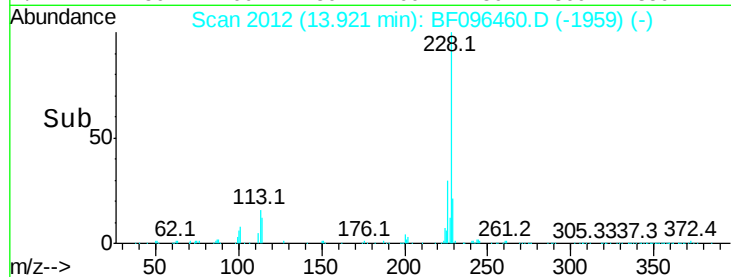
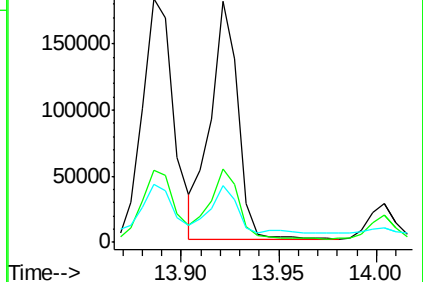
229 23.4 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.81 ng

RT: 16.67 min Scan# 2479

Delta R.T. 0.01 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

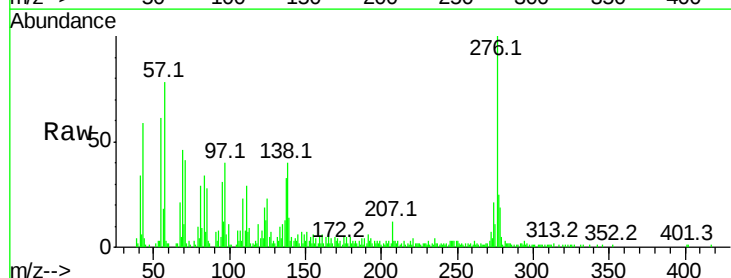
Tgt Ion:276 Resp: 68055

Ion Ratio Lower Upper

276 100

138 36.7 27.8 41.6

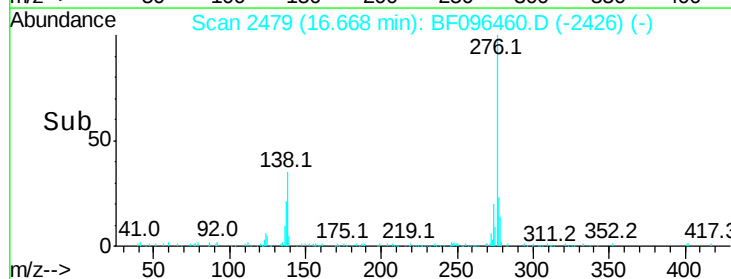
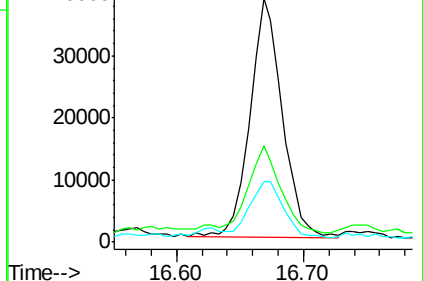
277 25.5 20.2 30.4

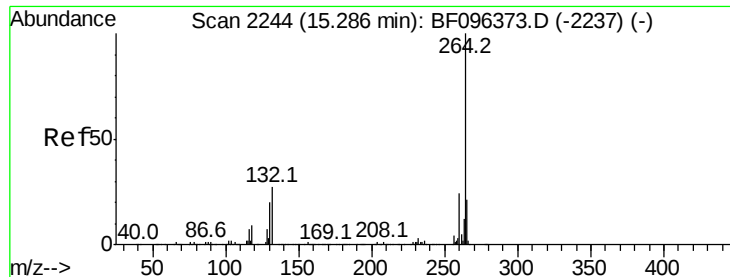


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.30 min Scan# 2247

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

Instrument :

BNA_F

ClientSampleId :

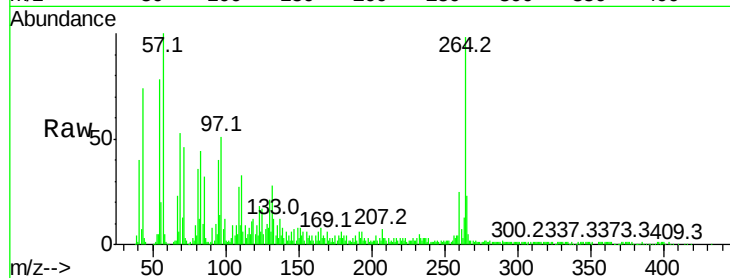
Tot Ion:264 Resp: 105728

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

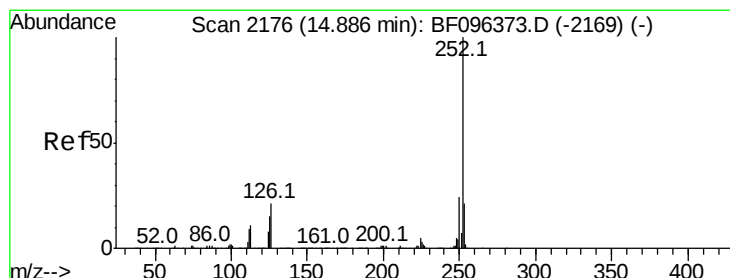
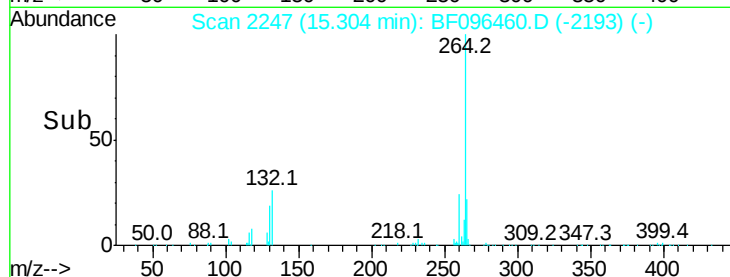
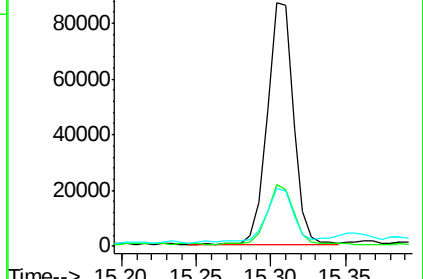
265 23.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 36.94 ng

RT: 14.91 min Scan# 2180

Delta R.T. 0.02 min

Lab File: BF096460.D

Acq: 4 Jul 2017 1:24

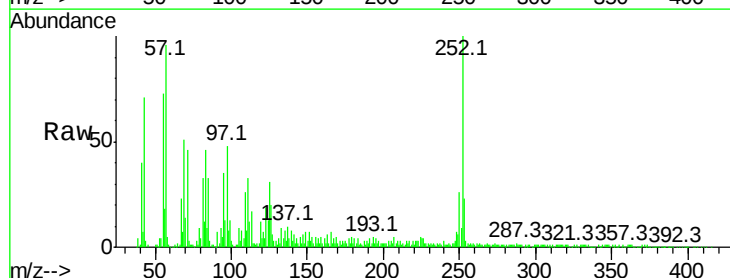
Tgt Ion:252 Resp: 244702

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

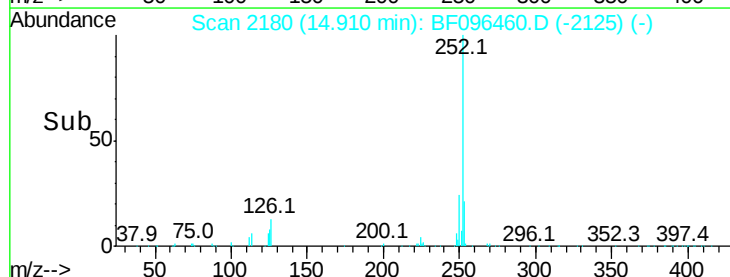
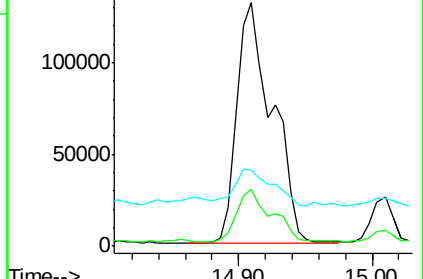
125 31.2 9.8 14.8#

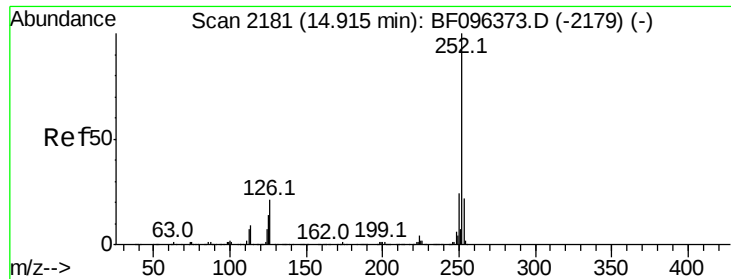


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

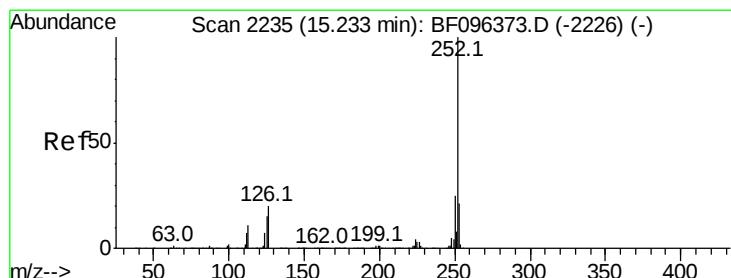
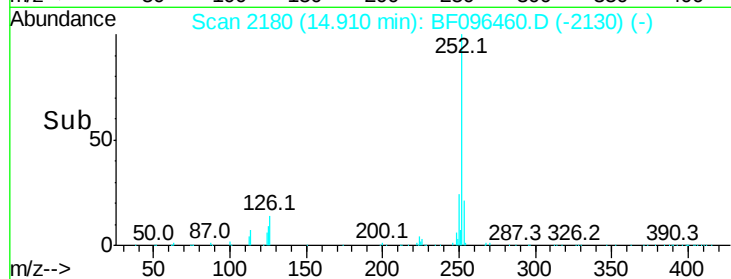
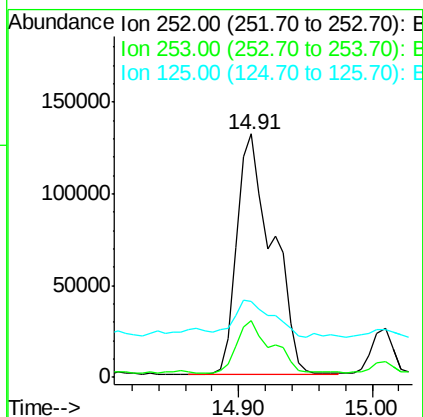
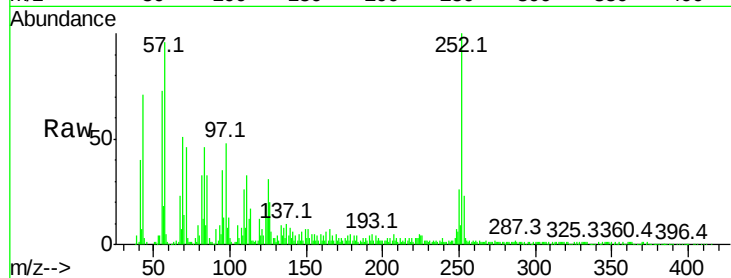




#88
Benzo(k)fluoranthene
Concen: 41.29 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

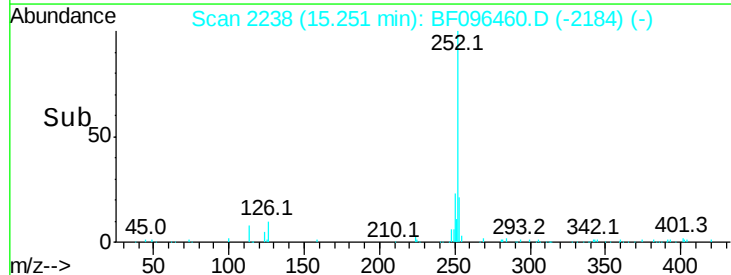
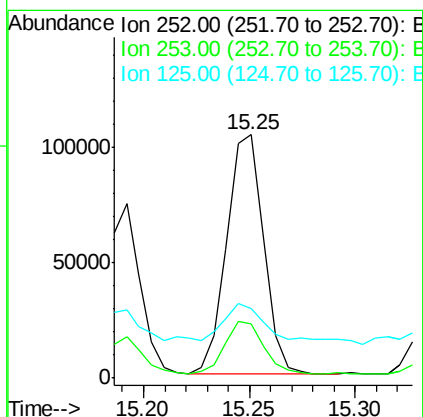
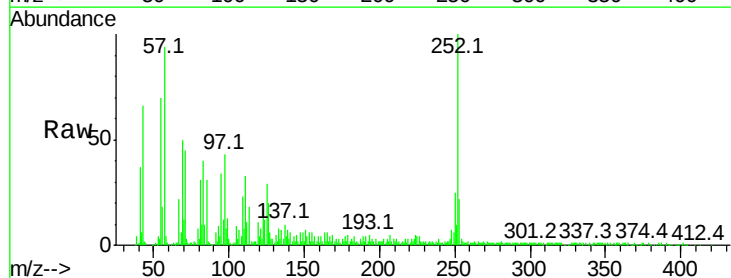
Instrument :
BNA_F
ClientSampleId :

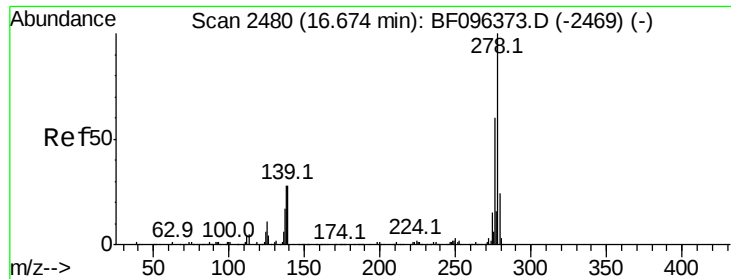
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	31.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 21.29 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	28.6	11.0	16.4

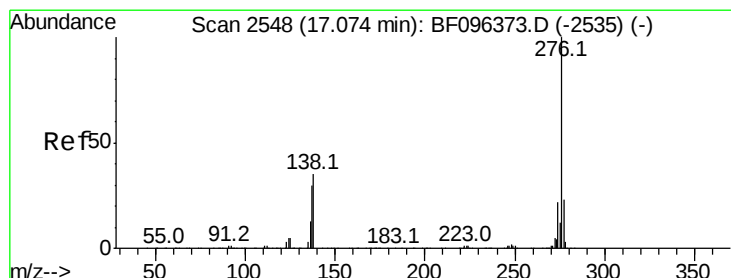
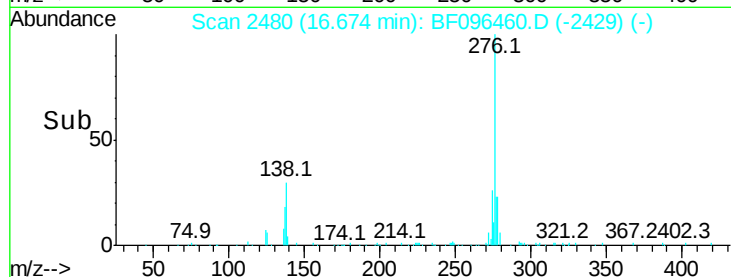
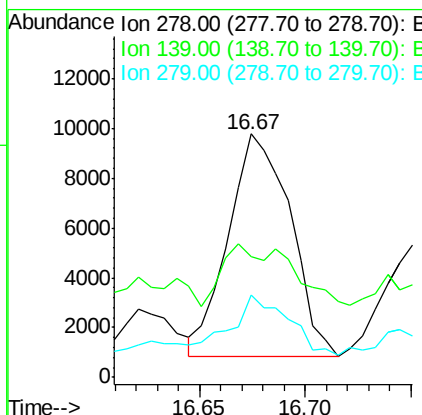
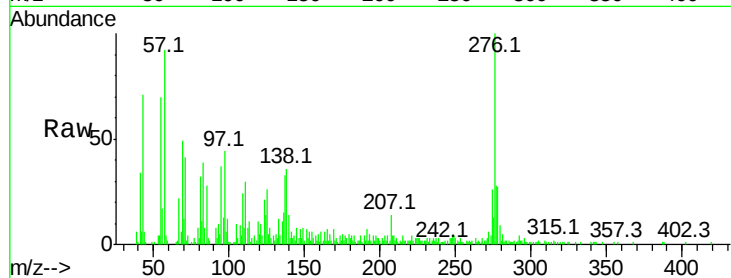




#90
Dibenzo(a,h)anthracene
Concen: 3.91 ng
RT: 16.67 min Scan# 2480
Delta R.T. 0.00 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 18209
Ion Ratio Lower Upper
278 100
139 49.6 16.6 24.8#
279 33.8 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 12.15 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BF096460.D
Acq: 4 Jul 2017 1:24

Tgt Ion:276 Resp: 58589
Ion Ratio Lower Upper
276 100
277 28.5 18.6 28.0#
138 32.5 25.4 38.0

