

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
 Data File : BF08129.D
 Acq On : 29 Aug 2017 23:49
 Operator : SJ/JU
 Sample : I4979-03 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 30 03:03:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	119284	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	380349	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	155520	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	232028	20.00	ng	0.00
75) Chrysene-d12	13.90	240	240003	20.00	ng	0.00
86) Perylene-d12	15.32	264	204524	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	211157	26.93	ng	-0.02
7) Phenol-d6	6.38	99	276751	25.97	ng	0.00
23) Nitrobenzene-d5	7.30	82	141791	20.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.58	330	25066	18.58	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	191637	18.10	ng	-0.01
78) Terphenyl-d14	12.84	244	116710	10.14	ng	0.00

Target Compounds

						Qvalue
18) Hexachloroethane	7.27	117	123701	34.873	ng	# 1
20) 3+4-Methylphenols	7.16	107	24558	2.759	ng	# 69
22) Acetophenone	7.13	105	88912	8.849	ng	# 52
24) Nitrobenzene	7.30	77	46748	5.997	ng	# 10
26) 2-Nitrophenol	7.65	139	6760	7.389	ng	# 1
27) 2,4-Dimethylphenol	7.69	122	17443	2.873	ng	# 1
31) Naphthalene	8.06	128	3917258	198.384	ng	# 98
32) Benzoic acid	7.82	122	17214	9.776	ng	# 20
33) 4-Chloroaniline	8.06	127	587103	70.501	ng	# 34
35) Caprolactam	8.49	113	3591	2.096	ng	# 1
37) 2-Methylnaphthalene	8.76	142	4023086	332.322	ng	# 97
45) 1,1'-Biphenyl	9.21	154	1153109	81.308	ng	# 97
47) 2-Nitroaniline	9.31	65	27038	7.697	ng	# 38
48) Acenaphthylene	9.65	152	166612	10.125	ng	# 43
49) Dimethylphthalate	9.51	163	66240	5.827	ng	# 90
50) 2,6-Dinitrotoluene	9.63	165	7282	3.209	ng	# 25
51) Acenaphthene	9.85	154	2410369	232.254	ng	# 99
53) 2,4-Dinitrophenol	9.84	184	636	10.656	ng	# 1
54) Dibenzofuran	10.01	168	2526439	181.640	ng	# 99
55) 4-Nitrophenol	9.89	139	64262	27.516	ng	# 85
56) 2,4-Dinitrotoluene	9.97	165	26295	9.234	ng	# 81
57) Fluorene	10.35	166	2255666	209.757	ng	# 98
61) 4-Nitroaniline	10.35	138	23667	8.506	ng	# 60
62) Azobenzene	10.49	77	40462	2.865	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.39	198	5823	12.723	ng	# 1
65) n-Nitrosodiphenylamine	10.45	169	159589	20.198	ng	# 75
70) Phenanthrene	11.32	178	3358820	271.659	ng	# 99
71) Anthracene	11.36	178	1594305	127.132	ng	# 99
72) Carbazole	11.50	167	205189	17.237	ng	# 92
74) Fluoranthene	12.49	202	1450138	112.368	ng	# 100
77) Pyrene	12.72	202	1259377	64.157	ng	# 98
80) Benzo(a)anthracene	13.89	228	246385	17.129	ng	# 96
82) Chrysene	13.89	228	246385	17.219	ng	# 96
87) Benzo(b)fluoranthene	14.91	252	141571	10.981	ng	# 93

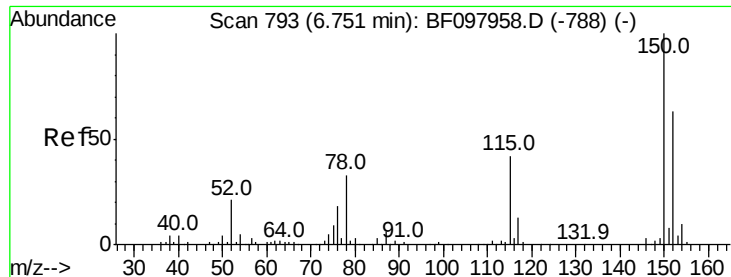
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098129.D
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Sample : I4979-03 5X
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Quant Time: Aug 30 03:03:36 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(k)fluoranthene	14.91	252	141571	11.689	ng	98
89) Benzo(a)pyrene	15.25	252	66432	5.821	ng #	94
91) Benzo(g,h,i)perylene	17.10	276	19787	2.041	ng #	90

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

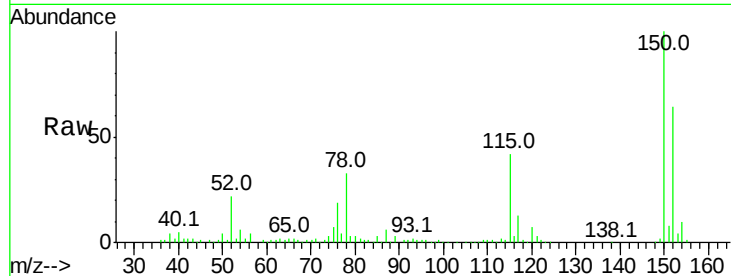


#1

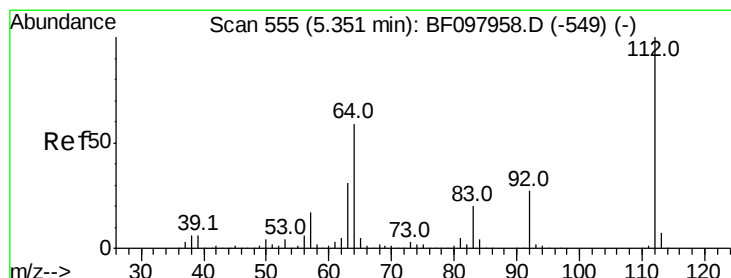
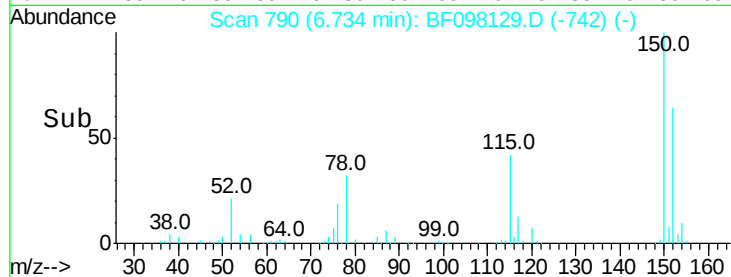
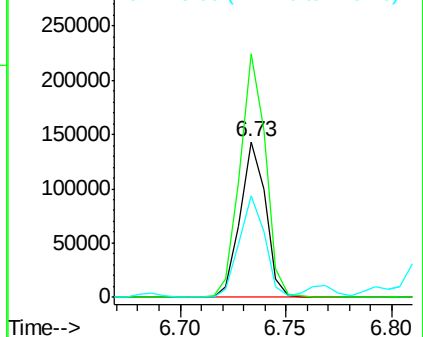
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119284
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 65.6 52.2 78.2



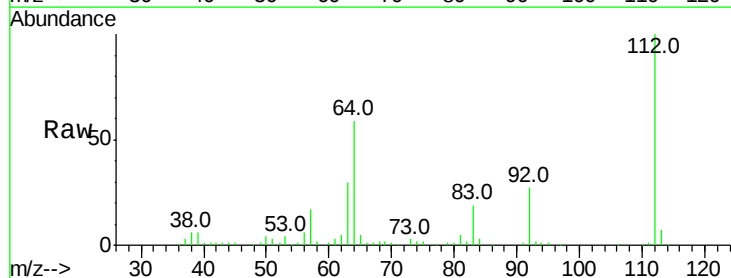
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



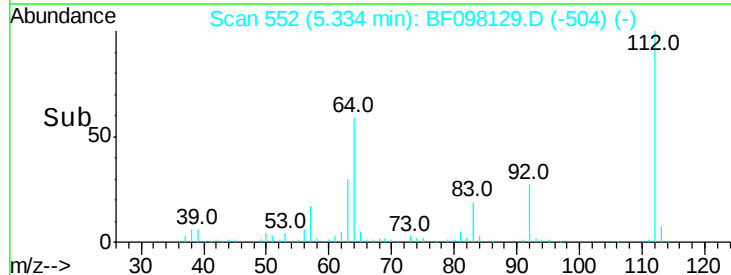
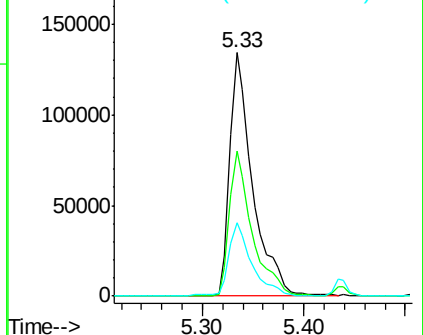
#5

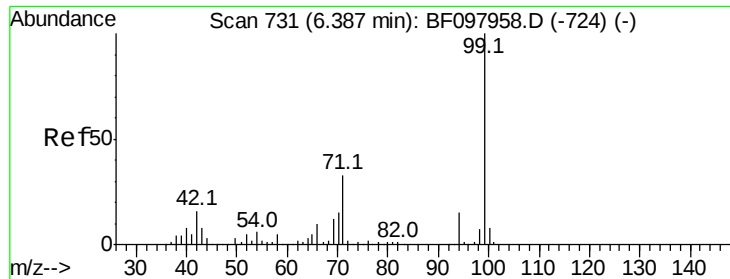
2-Fluorophenol
Concen: 26.926 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion:112 Resp: 211157
Ion Ratio Lower Upper
112 100
64 59.4 46.0 69.0
63 30.3 23.4 35.0



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





#7

Phenol-d6

Concen: 25.973 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

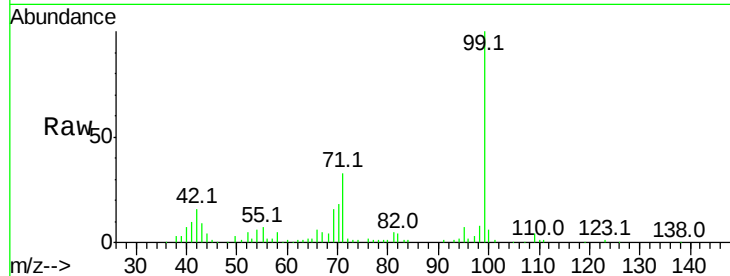
Tot Ion: 99 Resp: 276751

Ion Ratio Lower Upper

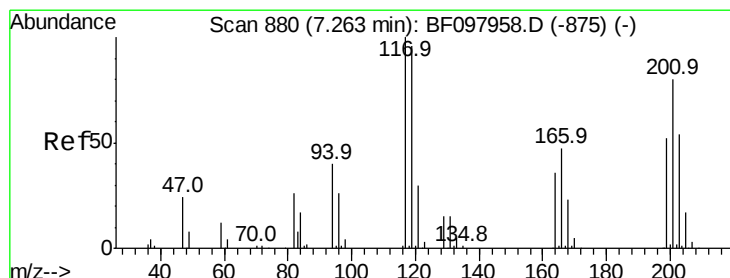
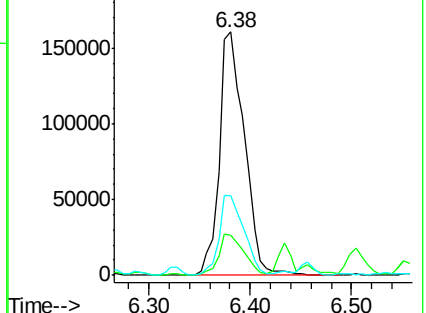
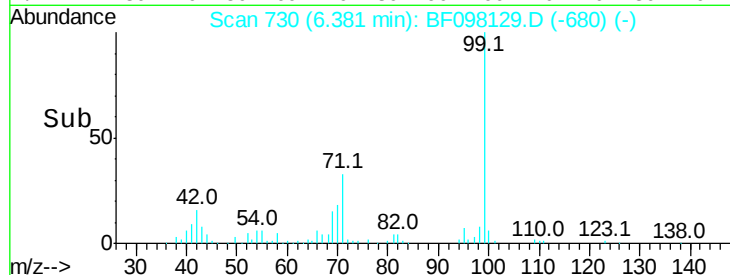
99 100

42 16.3 13.5 20.3

71 32.5 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



#18

Hexachloroethane

Concen: 34.873 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

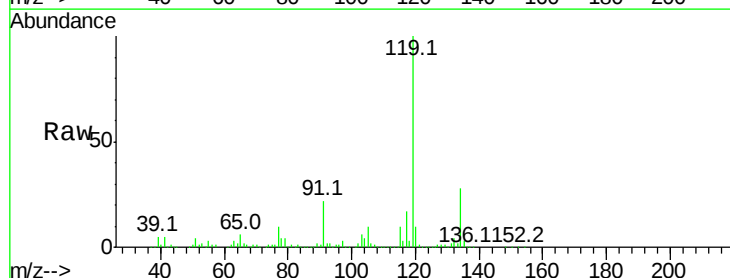
Tgt Ion: 117 Resp: 123701

Ion Ratio Lower Upper

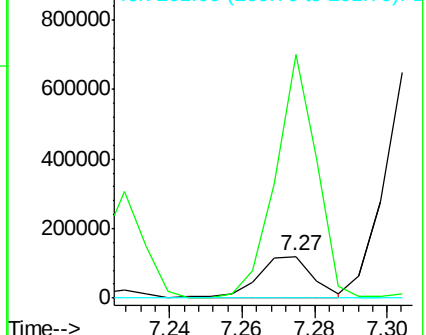
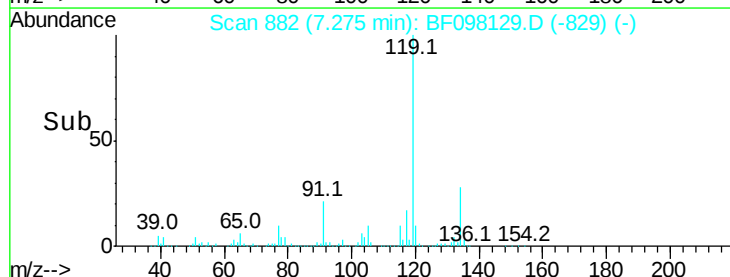
117 100

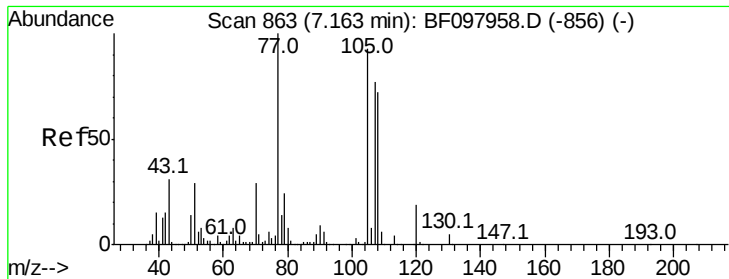
119 581.2 77.4 116.0#

201 0.0 94.6 141.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#20

3+4-Methylphenols

Concen: 2.759 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 24558

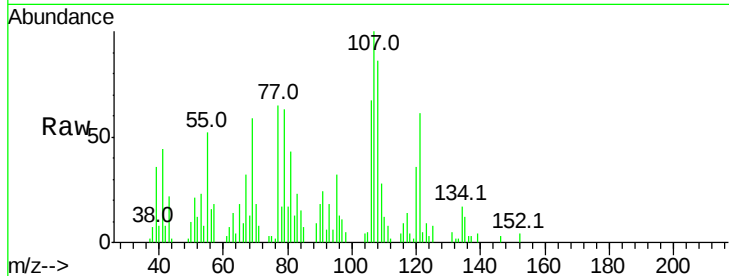
Ion Ratio Lower Upper

107 100

108 85.9 71.0 111.0

77 65.5 90.5 130.5#

79 63.1 8.4 48.4#

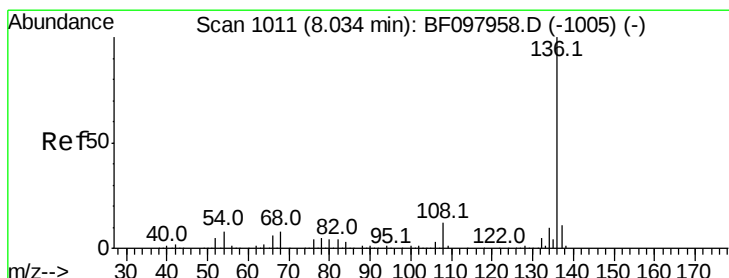
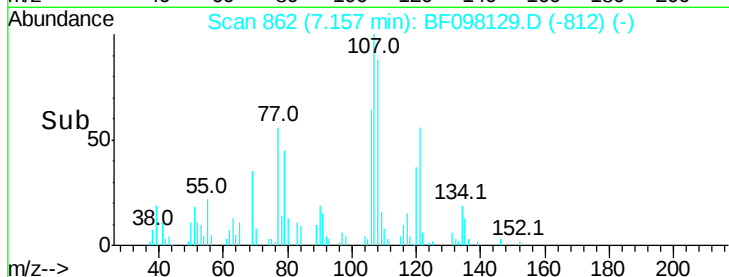
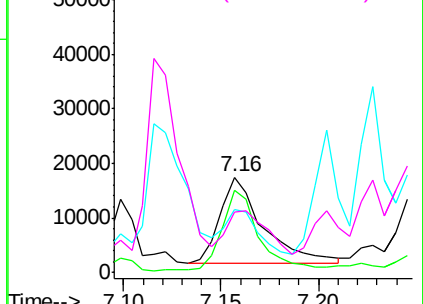


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Tgt Ion:136 Resp: 380349

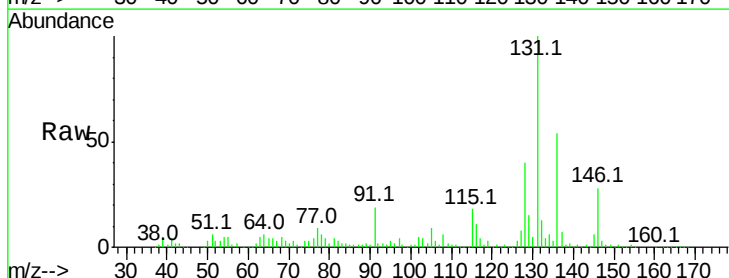
Ion Ratio Lower Upper

136 100

137 12.1 8.5 12.7

54 8.5 4.9 7.3#

68 9.4 4.1 6.1#

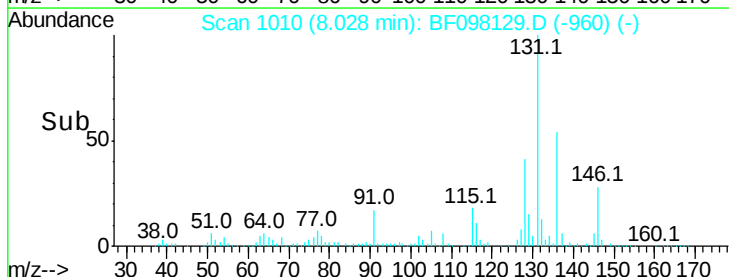
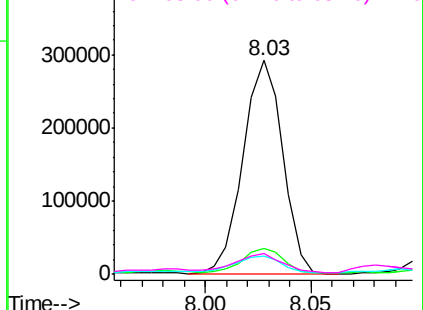


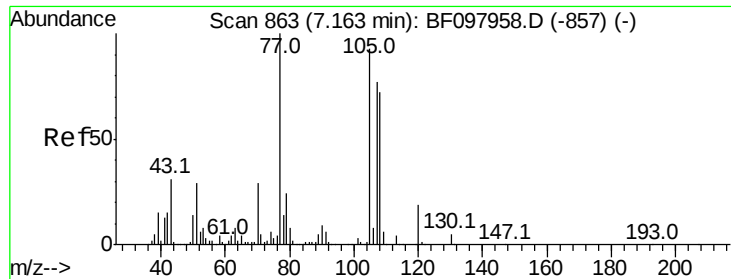
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 8.849 ng

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 88912

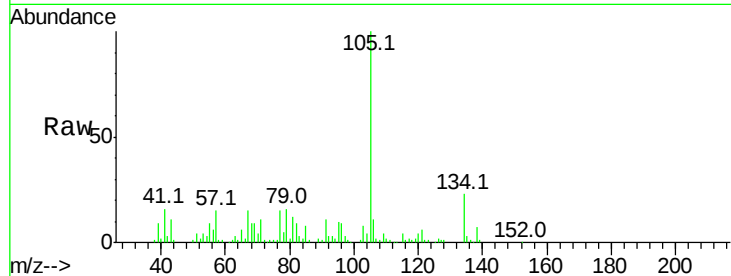
Ion Ratio Lower Upper

105 100

71 11.4 2.8 4.2#

51 4.3 30.7 46.1#

120 3.7 17.4 26.0#

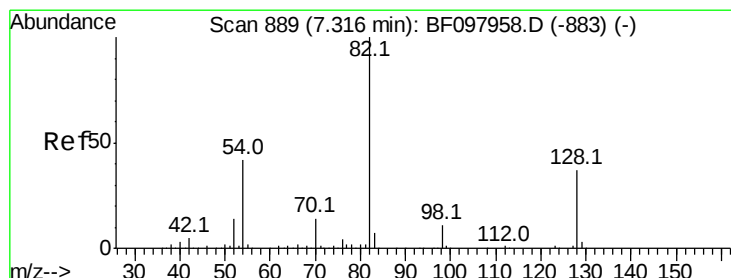
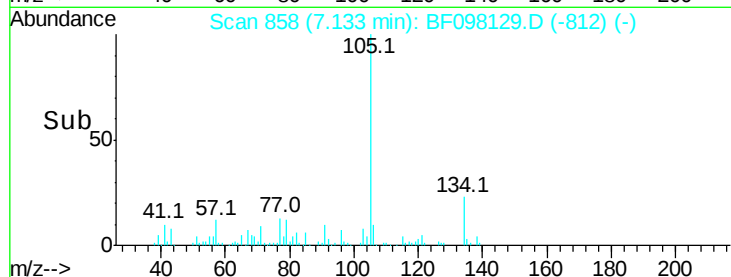
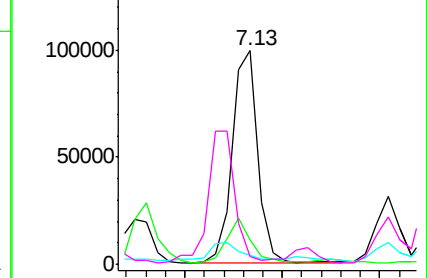


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 20.252 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

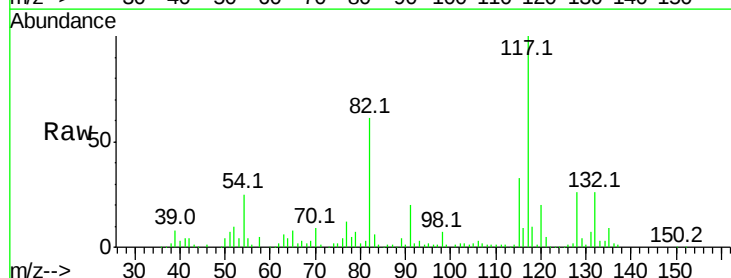
Tgt Ion: 82 Resp: 141791

Ion Ratio Lower Upper

82 100

128 42.7 34.0 51.0

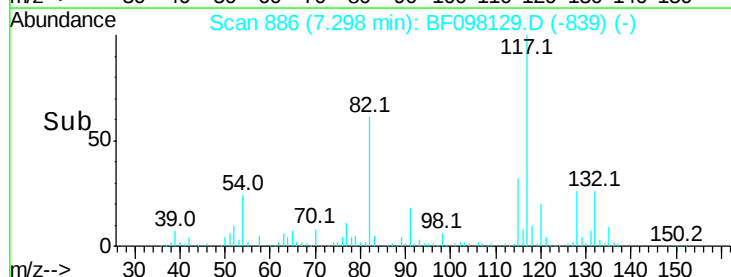
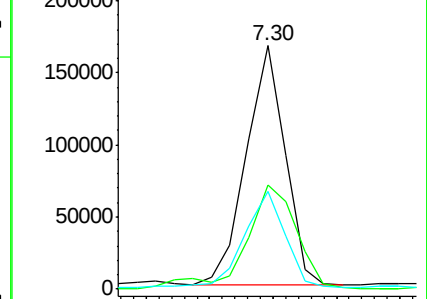
54 40.0 42.2 63.2#

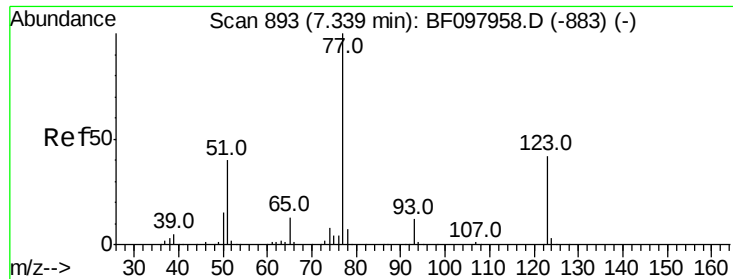


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

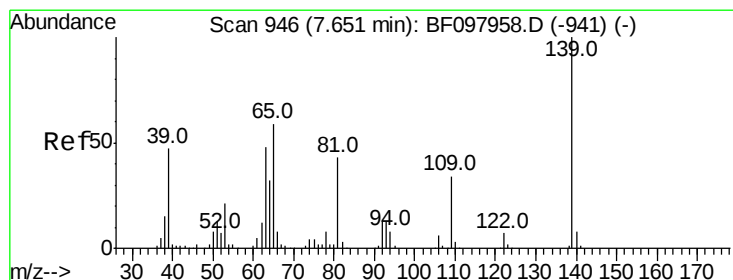
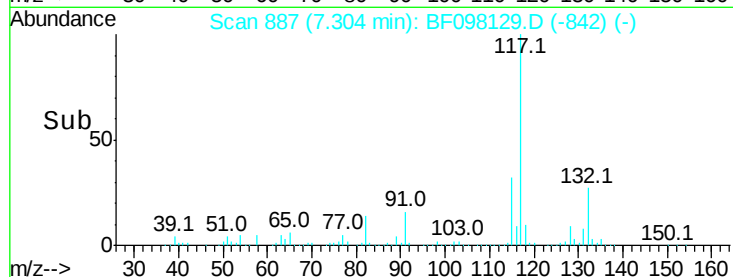
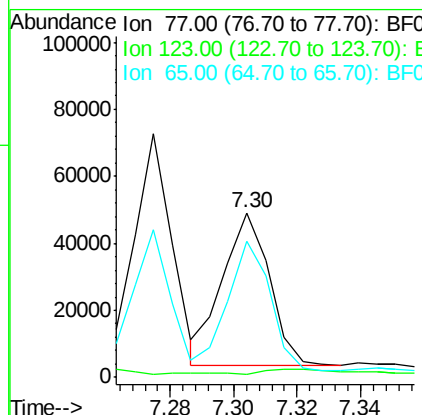
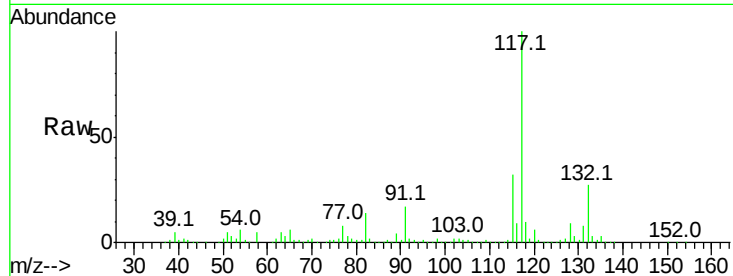




#24
Nitrobenzene
Concen: 5.997 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.04 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

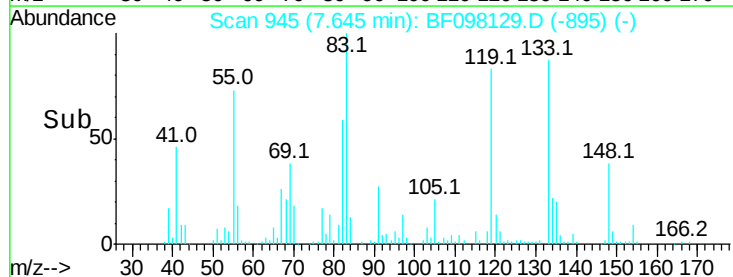
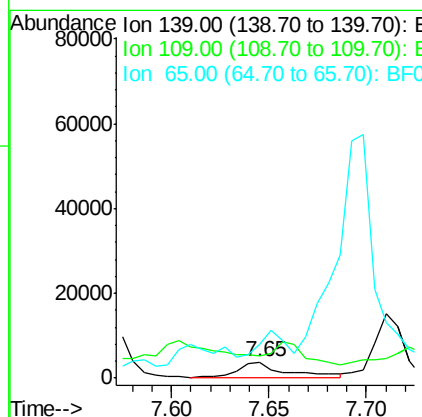
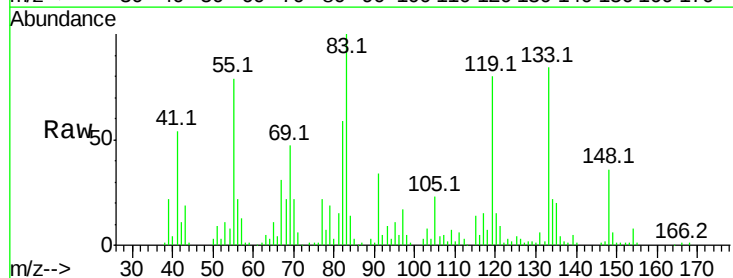
Instrument :
BNA_F
ClientSampled :

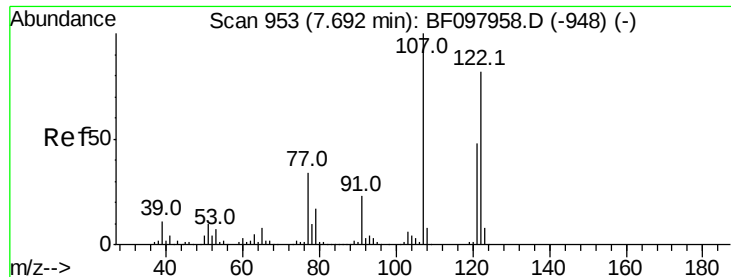
Tot Ion	Ratio	Lower	Upper
77	100		
123	2.2	35.8	53.8#
65	82.8	10.6	15.8#



#26
2-Nitrophenol
Concen: 7.389 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	135.9	21.0	31.6#
65	214.1	33.0	49.6#





#27

2,4-Dimethylphenol

Concen: 2.873 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

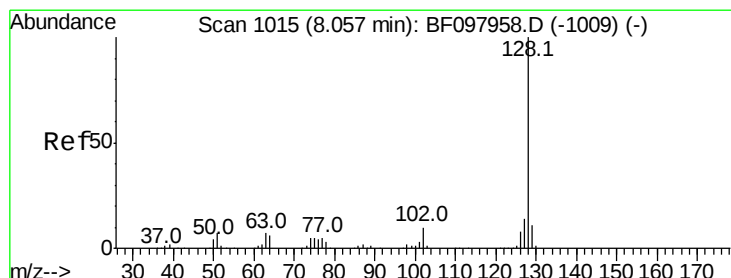
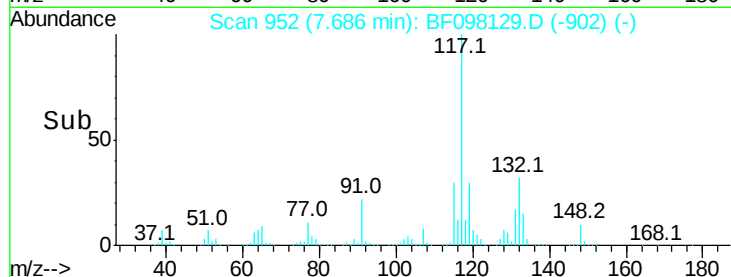
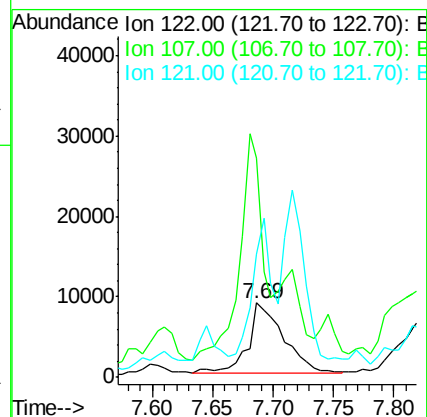
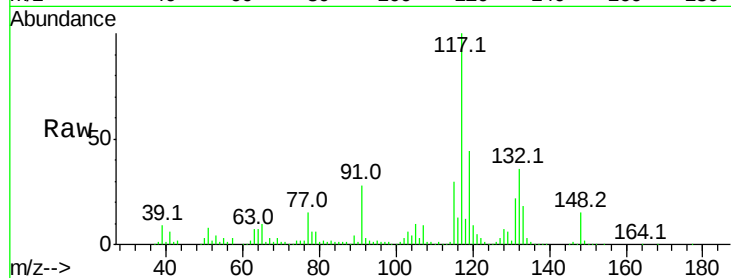
Tot Ion:122 Resp: 17443

Ion Ratio Lower Upper

122 100

107 295.5 89.2 133.8#

121 166.1 45.2 67.8#



#31

Naphthalene

Concen: 198.384 ng

RT: 8.06 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

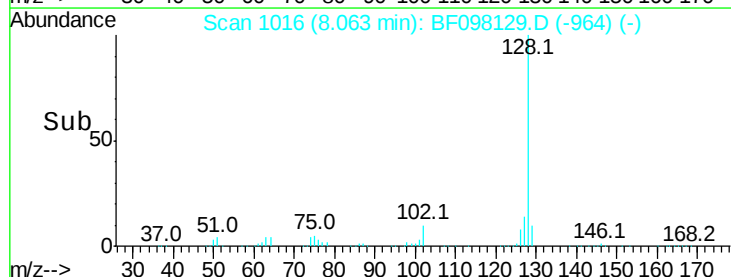
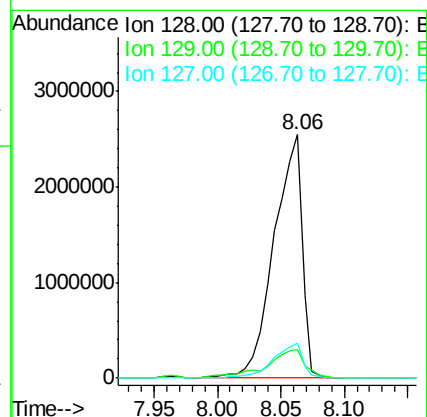
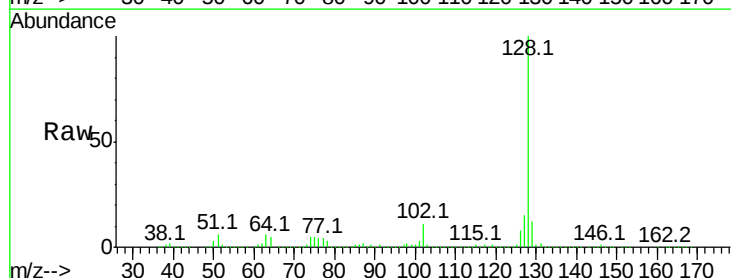
Tgt Ion:128 Resp: 3917258

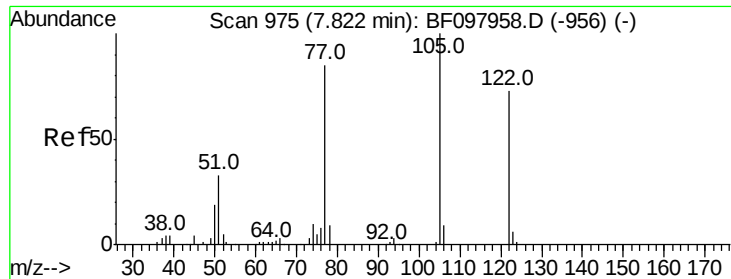
Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 14.6 10.8 16.2

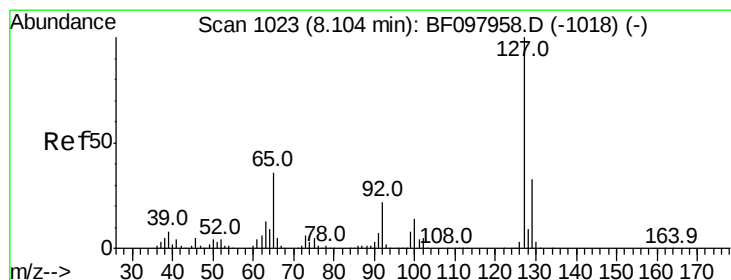
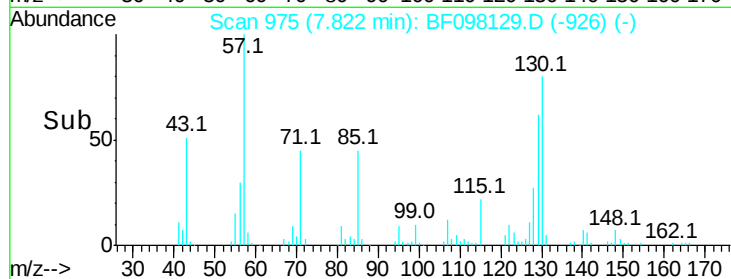
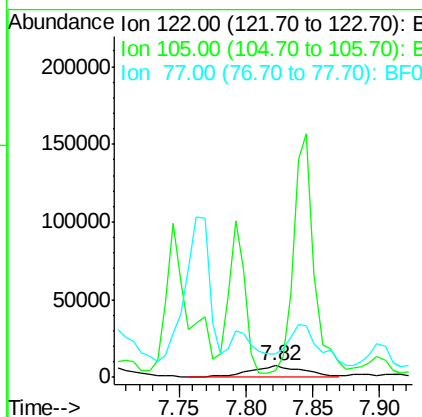
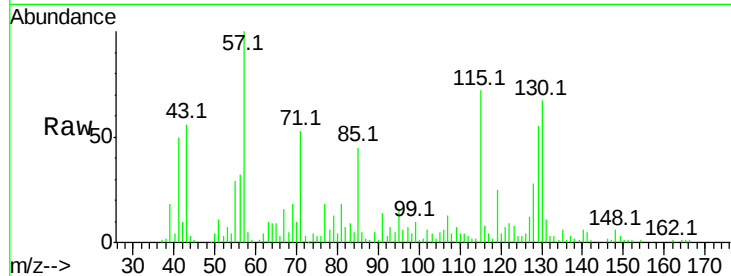




#32
Benzoic acid
Concen: 9.776 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

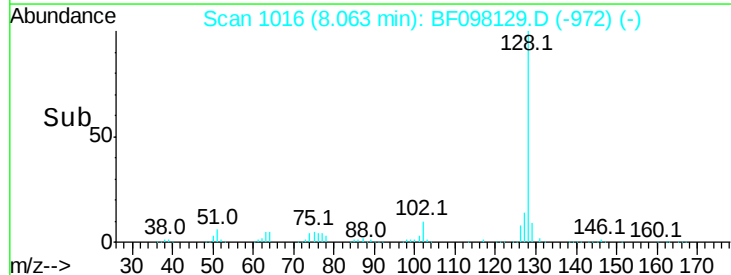
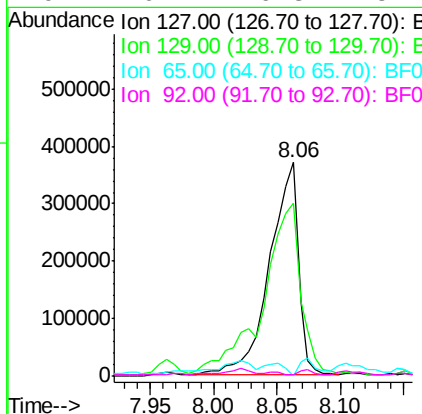
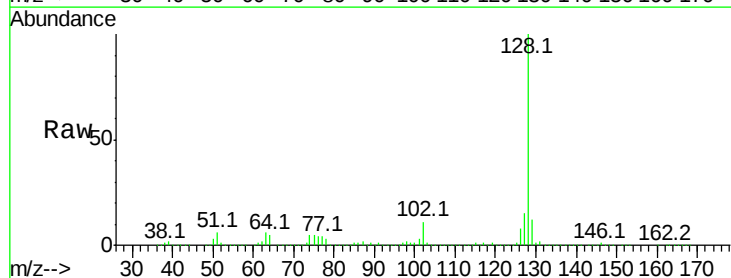
Instrument :
BNA_F
ClientSampleId :

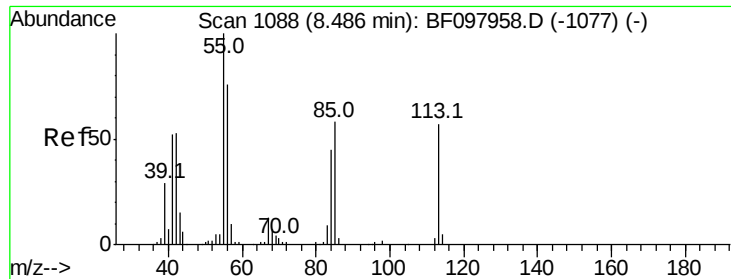
Tot Ion:122 Resp: 17214
Ion Ratio Lower Upper
122 100
105 57.0 103.3 143.3#
77 198.1 73.7 113.7#



#33
4-Chloroaniline
Concen: 70.501 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.04 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion:127 Resp: 587103
Ion Ratio Lower Upper
127 100
129 81.1 26.2 39.2#
65 0.0 27.8 41.8#
92 0.7 16.8 25.2#





#35

Caprolactam

Concen: 2.096 ng

RT: 8.49 min Scan# 1089

Delta R.T. -0.00 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

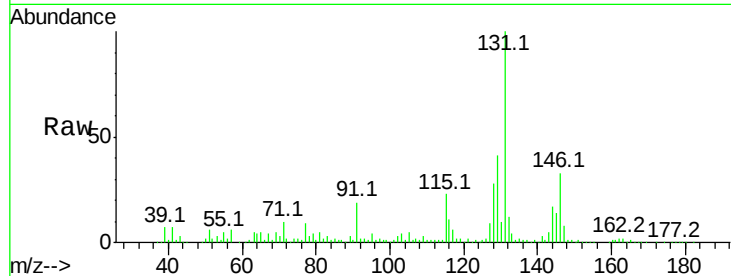
Tot Ion:113 Resp: 3591

Ion Ratio Lower Upper

113 100

55 526.3 150.2 190.2#

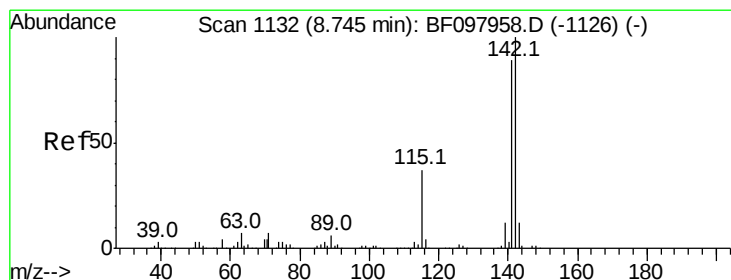
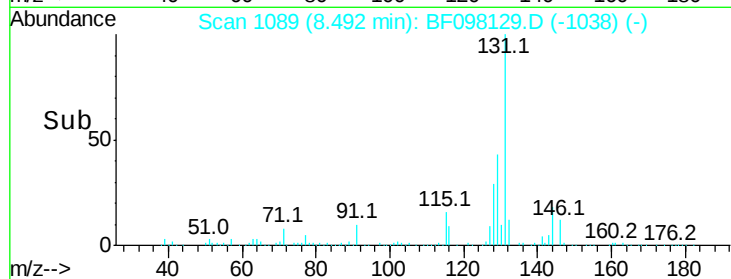
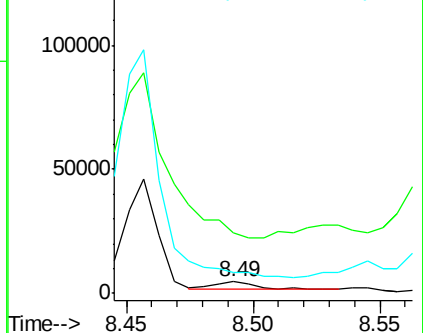
56 184.0 107.8 147.8#



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



#37

2-Methylnaphthalene

Concen: 332.322 ng

RT: 8.76 min Scan# 1134

Delta R.T. 0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

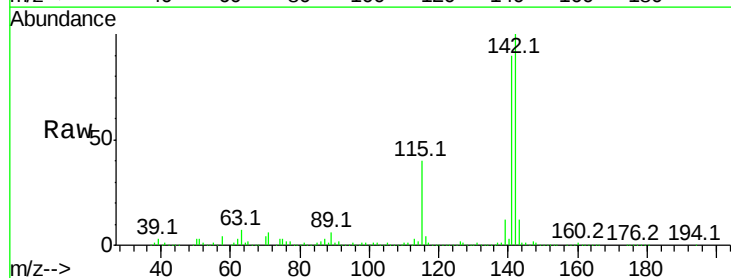
Tgt Ion:142 Resp: 4023086

Ion Ratio Lower Upper

142 100

141 89.9 71.3 106.9

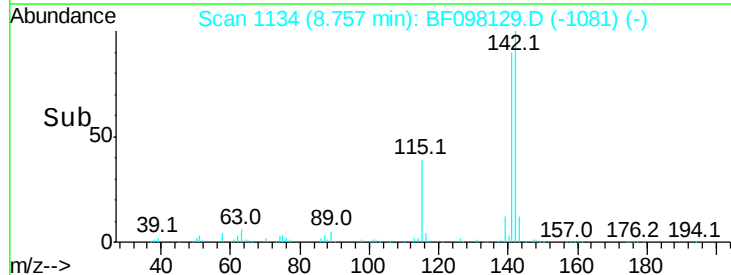
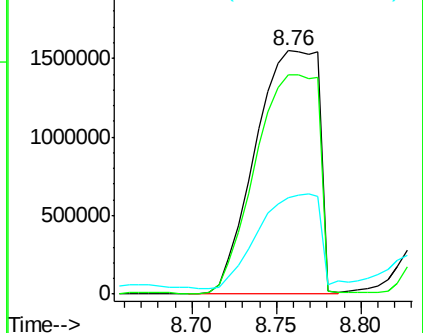
115 39.5 27.1 40.7

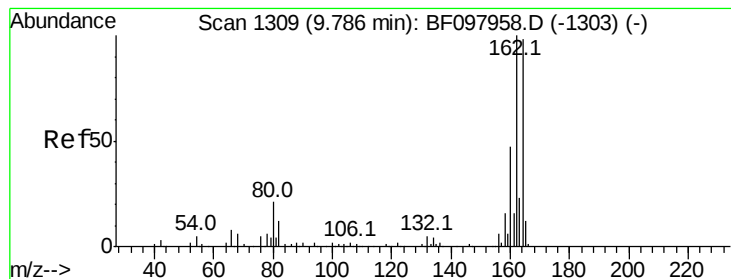


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

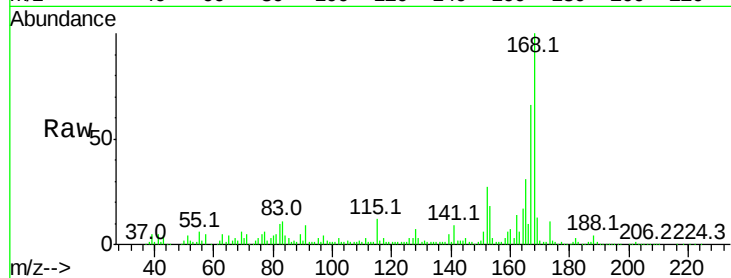
Tot Ion:164 Resp: 155520

Ion Ratio Lower Upper

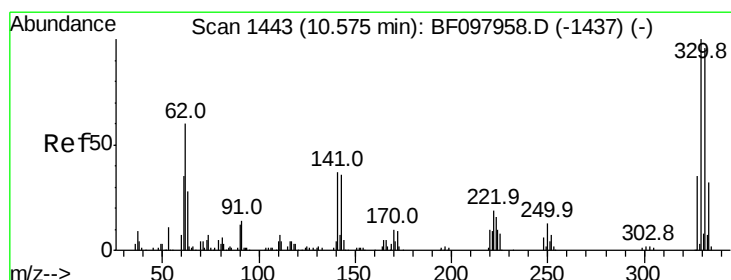
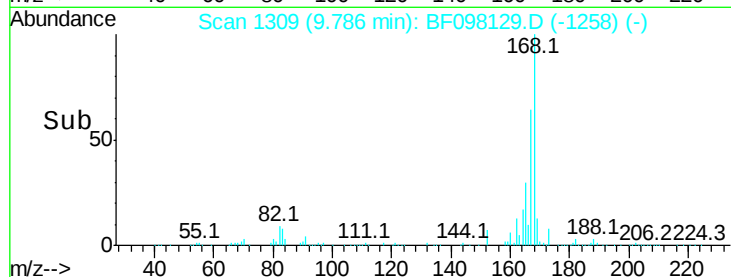
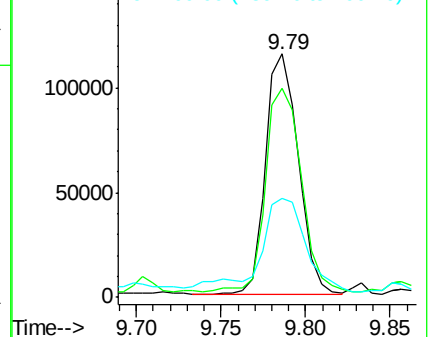
164 100

162 85.7 82.6 123.8

160 40.8 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: 18.576 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

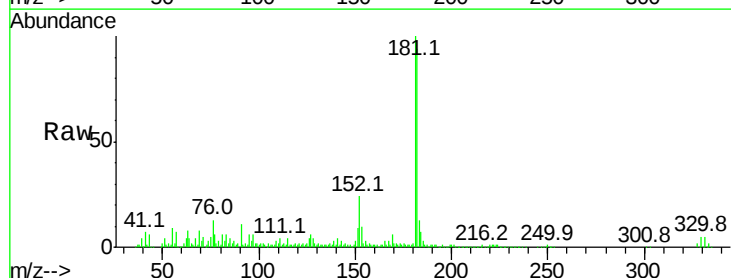
Tgt Ion:330 Resp: 25066

Ion Ratio Lower Upper

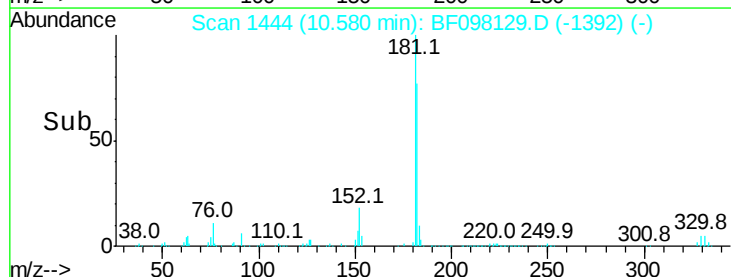
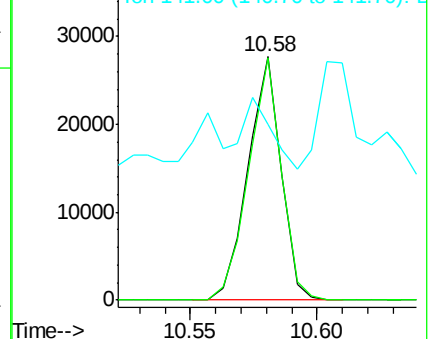
330 100

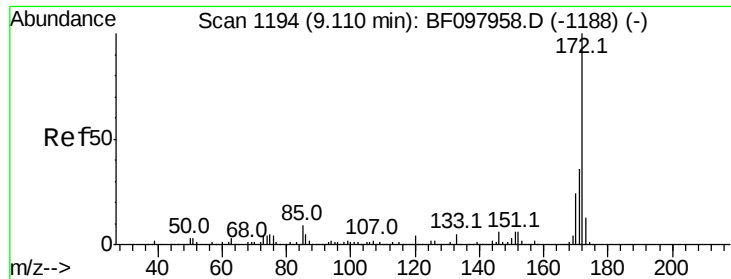
332 98.9 76.6 115.0

141 25.7 31.4 47.2#



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

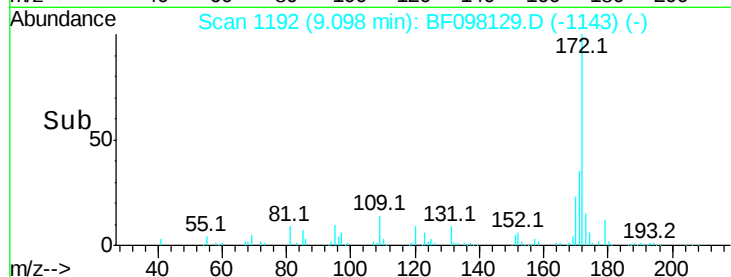
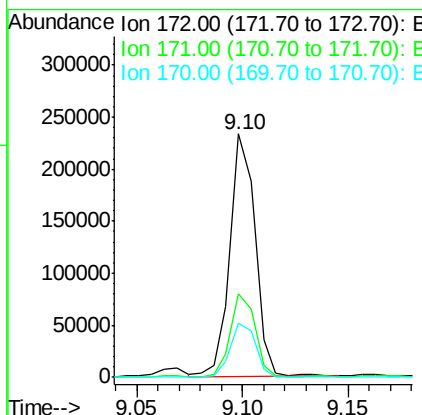
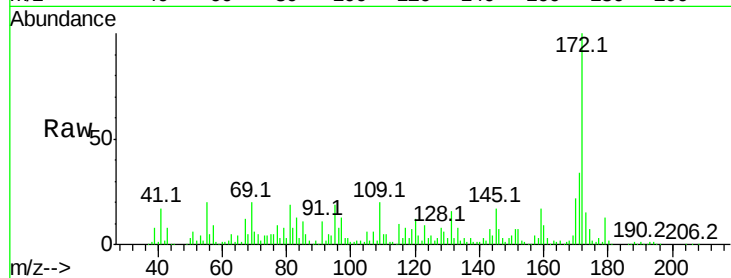




#44
 2-Fluorobiphenyl
 Concen: 18.104 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

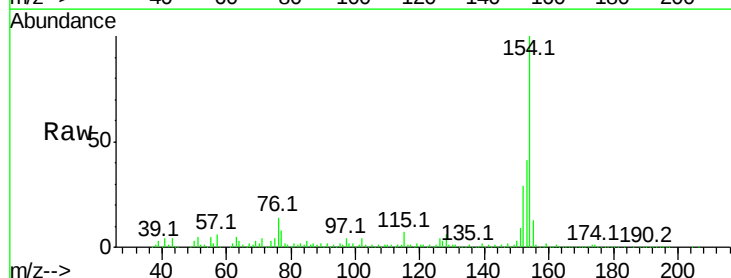
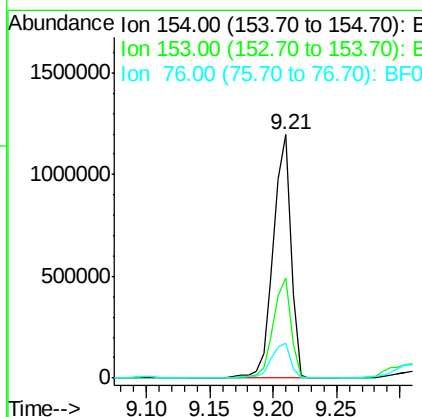
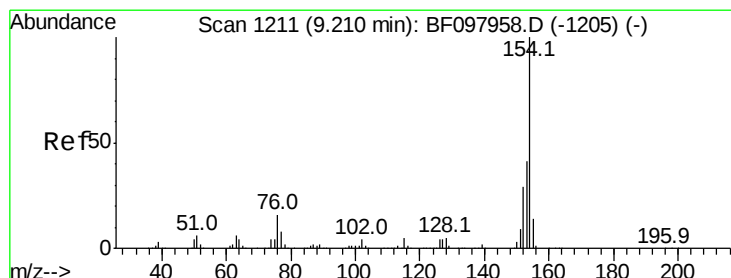
Instrument :
 BNA_F
 ClientSampleId :

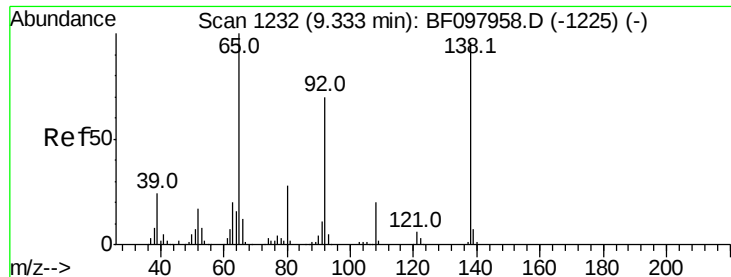
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	22.5	19.8	29.8



#45
 1,1'-Biphenyl
 Concen: 81.308 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.2	61.2
76	14.2	0.0	29.9





#47

2-Nitroaniline

Concen: 7.697 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampled :

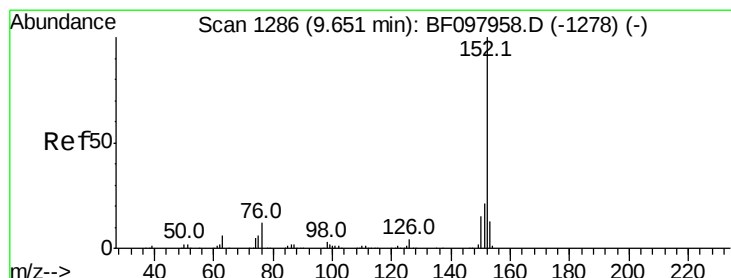
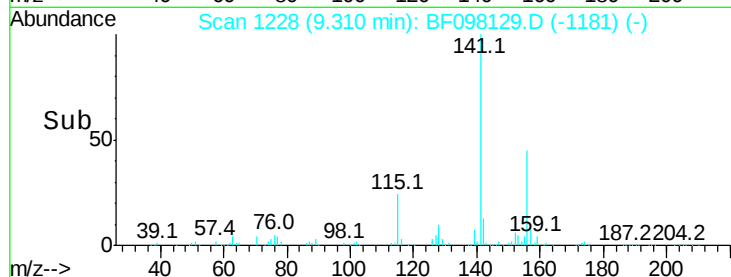
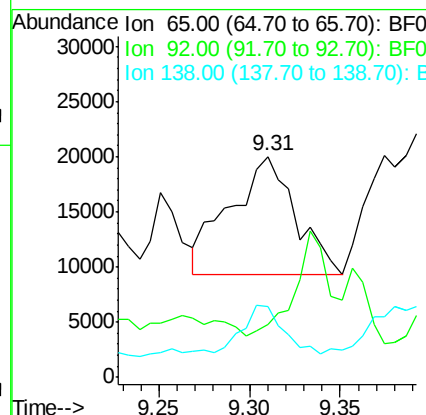
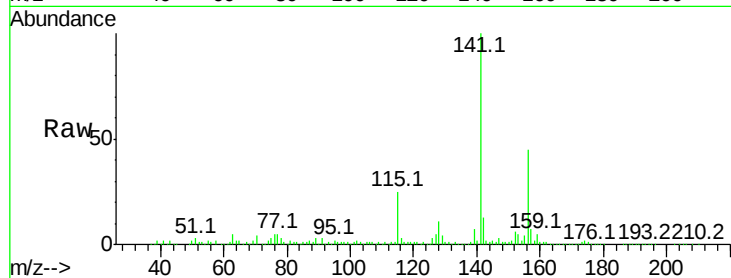
Tot Ion: 65 Resp: 27038

Ion Ratio Lower Upper

65 100

92 24.2 53.9 80.9#

138 32.1 78.8 118.2#



#48

Acenaphthylene

Concen: 10.125 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

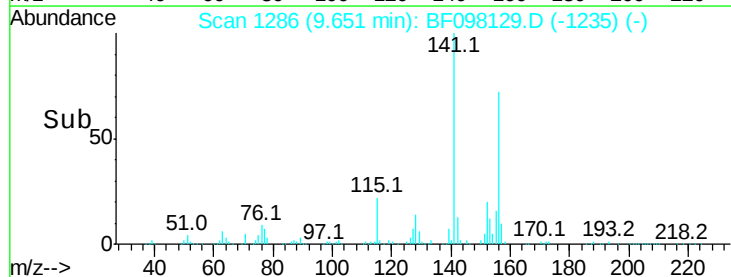
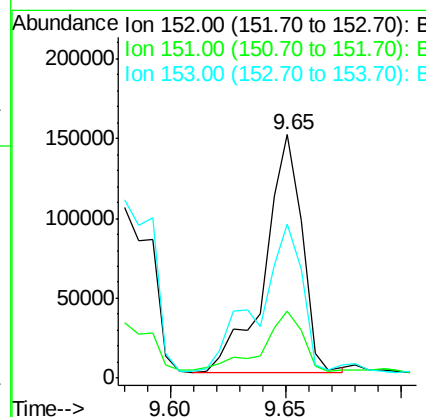
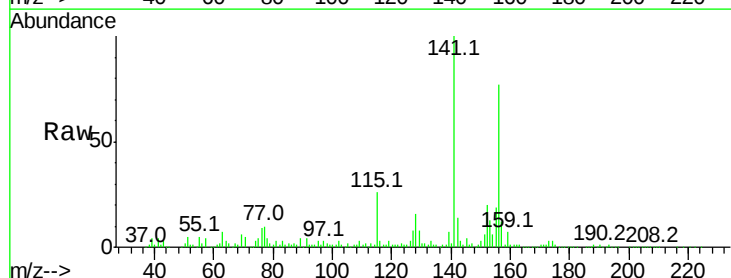
Tgt Ion: 152 Resp: 166612

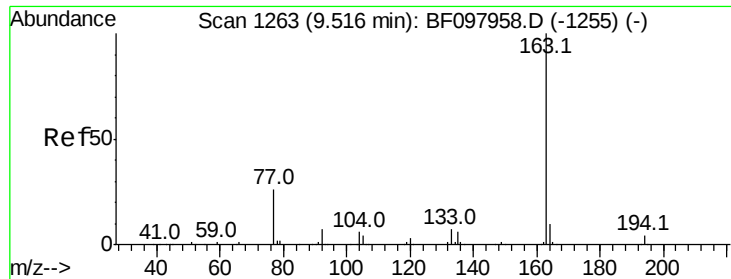
Ion Ratio Lower Upper

152 100

151 27.4 16.8 25.2#

153 63.3 10.8 16.2#





#49

Dimethylphthalate

Concen: 5.827 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

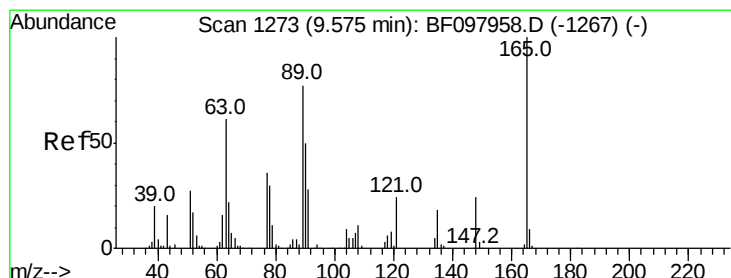
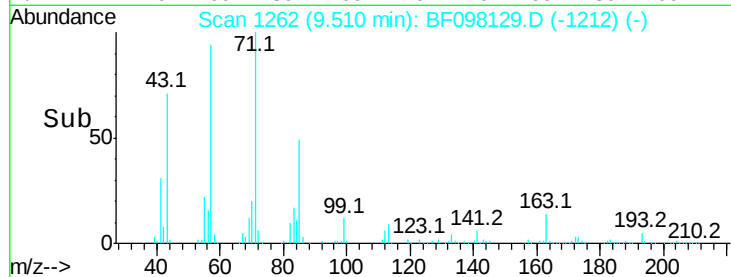
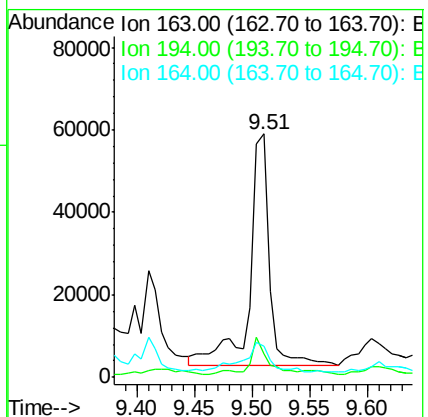
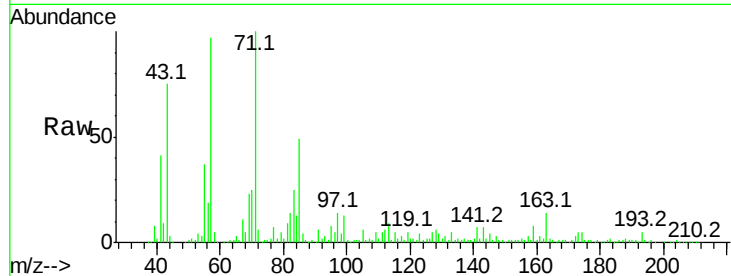
Tot Ion:163 Resp: 66240

Ion Ratio Lower Upper

163 100

194 9.8 2.6 4.0#

164 12.9 8.4 12.6#



#50

2,6-Dinitrotoluene

Concen: 3.209 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.05 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

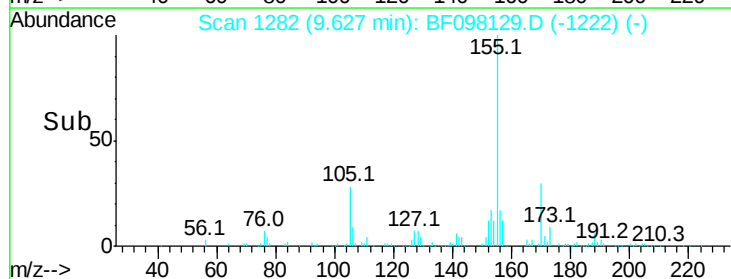
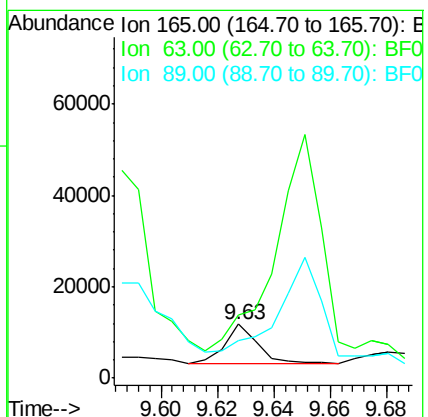
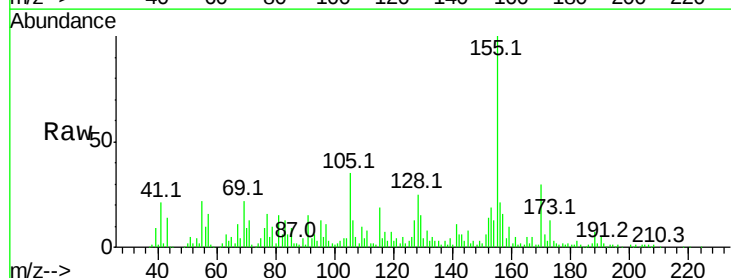
Tgt Ion:165 Resp: 7282

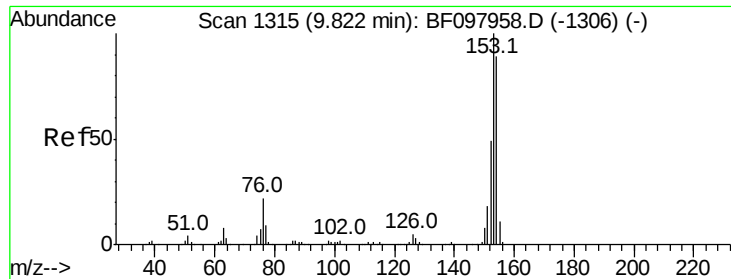
Ion Ratio Lower Upper

165 100

63 117.8 34.3 51.5#

89 70.1 37.1 55.7#





#51

Acenaphthene

Concen: 232.254 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

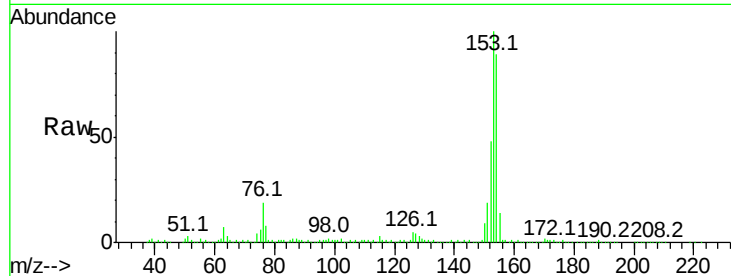
Tot Ion:154 Resp: 2410369

Ion Ratio Lower Upper

154 100

153 112.3 90.5 135.7

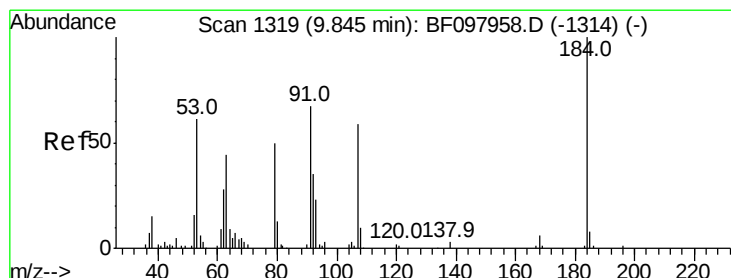
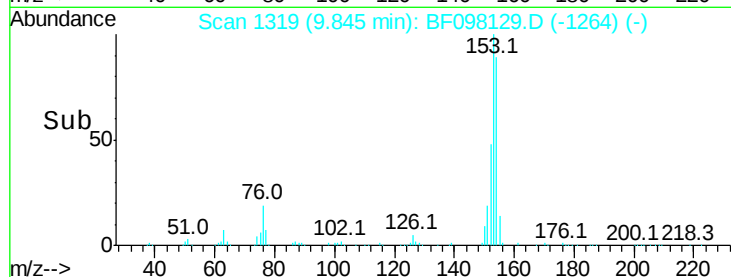
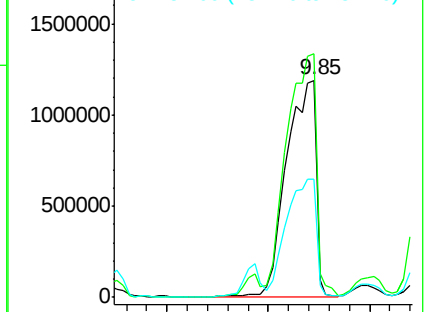
152 54.4 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 10.656 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

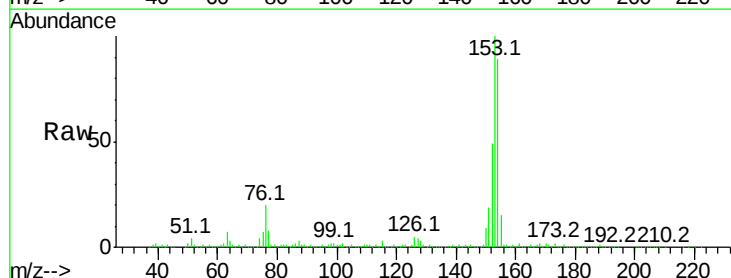
Tgt Ion:184 Resp: 636

Ion Ratio Lower Upper

184 100

63 11612.8 62.7 94.1#

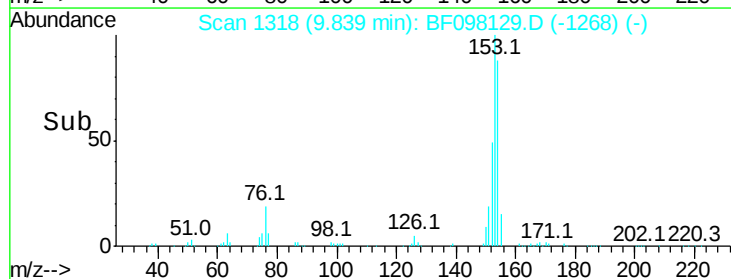
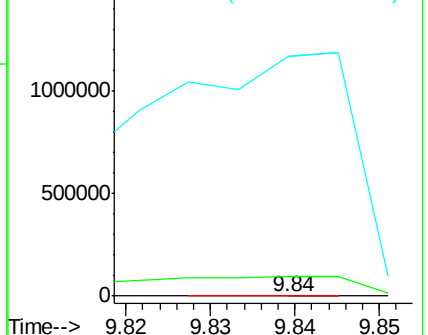
154 139232.3 81.1 121.7#

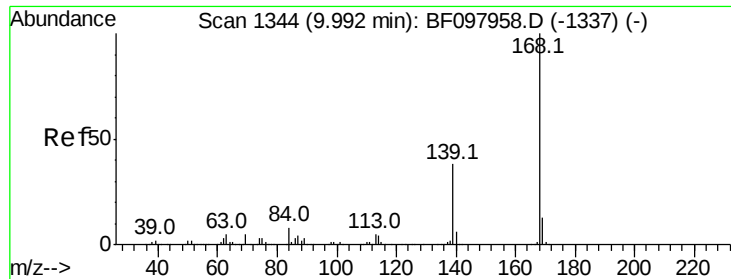


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 181.640 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

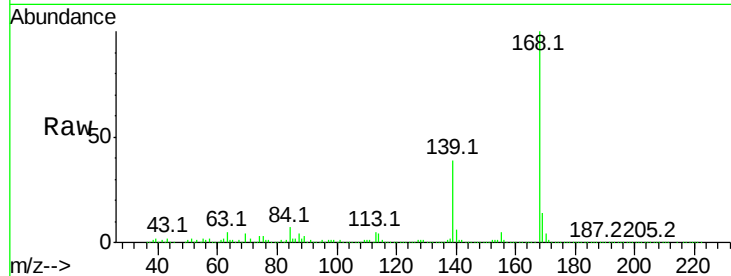
Tot Ion:168 Resp: 2526439

Ion Ratio Lower Upper

168 100

139 38.6 30.6 45.8

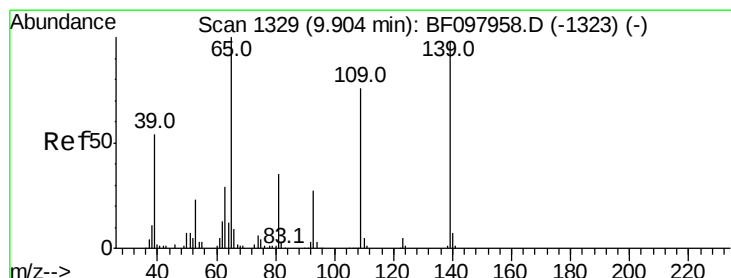
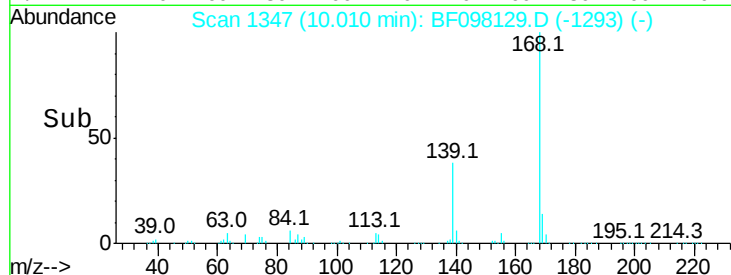
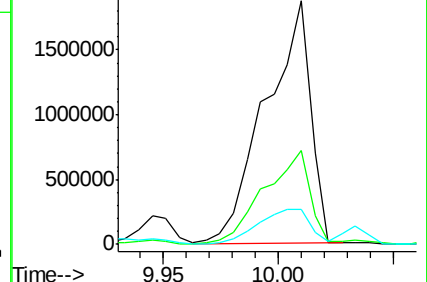
169 14.1 10.8 16.2



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: 27.516 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

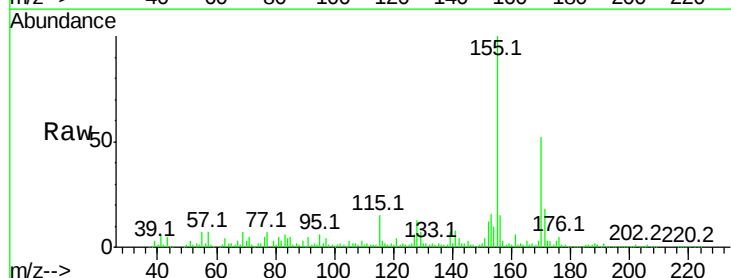
Tgt Ion:139 Resp: 64262

Ion Ratio Lower Upper

139 100

109 50.3 34.1 74.1

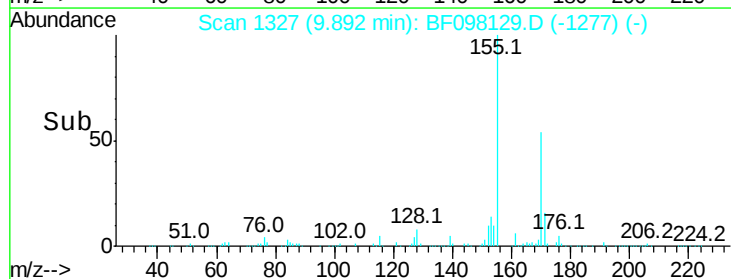
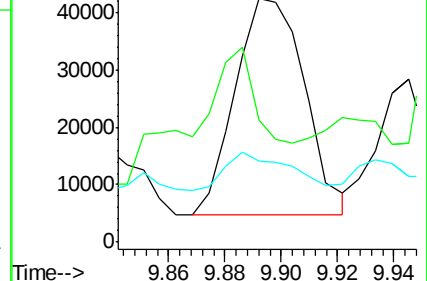
65 33.5 31.4 71.4

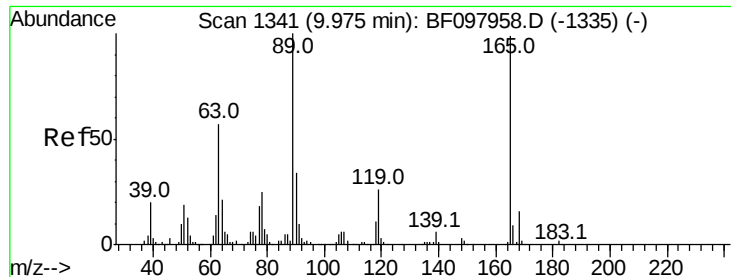


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

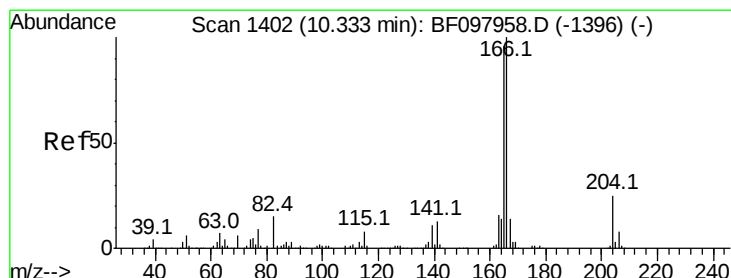
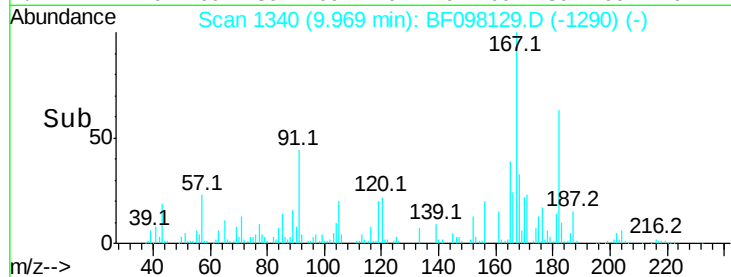
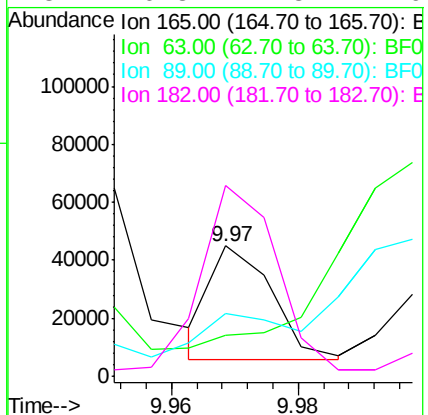
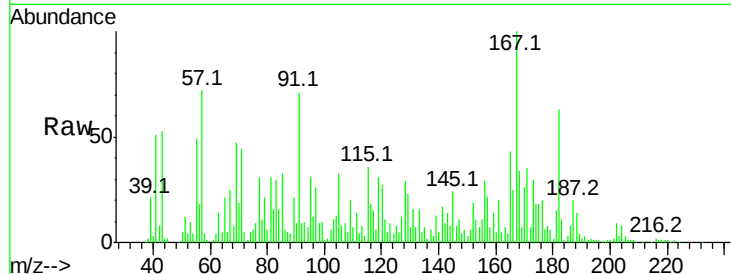




#56
 2,4-Dinitrotoluene
 Concen: 9.234 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

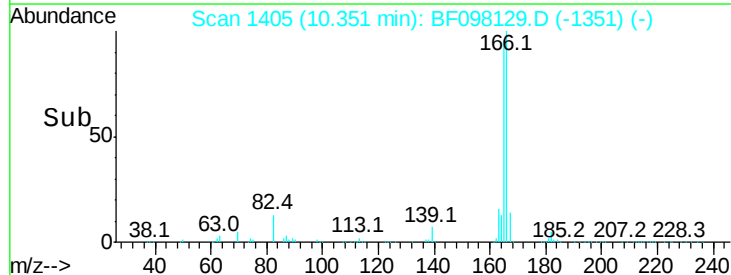
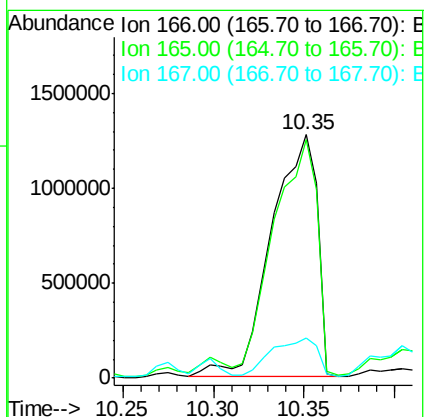
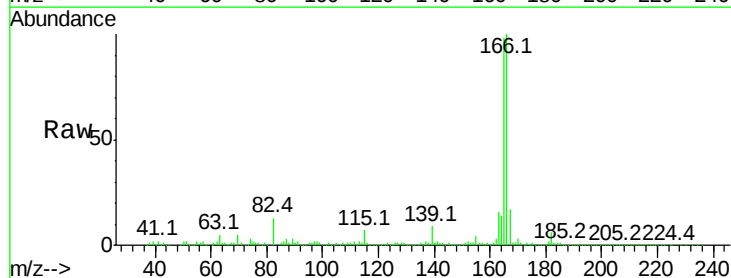
Instrument :
 BNA_F
 ClientSampleId :

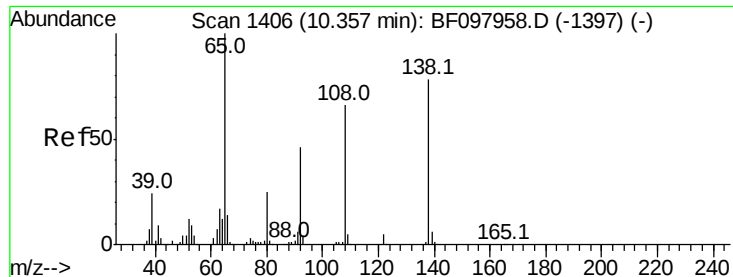
Tot Ion:165 Resp: 26295
 Ion Ratio Lower Upper
 165 100
 63 32.0 25.4 38.0
 89 48.1 46.4 69.6
 182 146.3 1.8 2.6#



#57
 Fluorene
 Concen: 209.757 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. 0.02 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

Tgt Ion:166 Resp: 2255666
 Ion Ratio Lower Upper
 166 100
 165 97.8 78.8 118.2
 167 16.7 10.6 16.0#

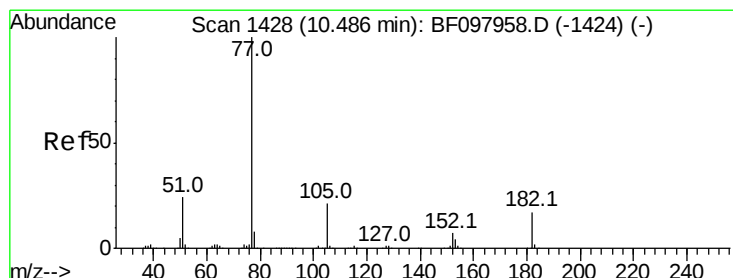
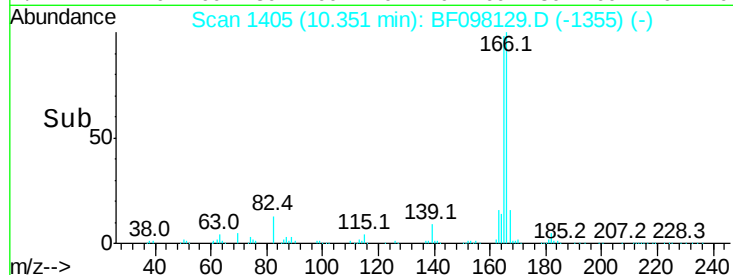
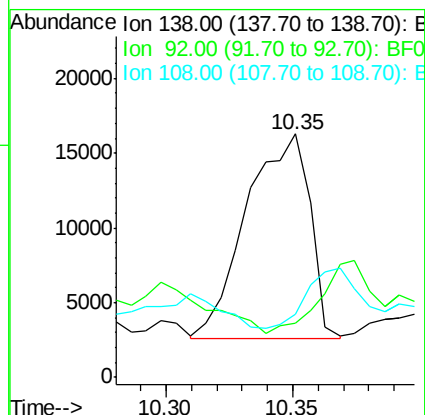
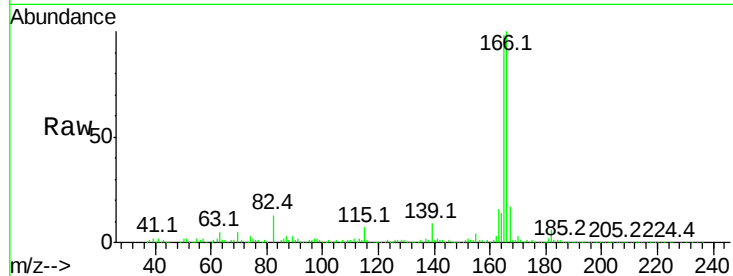




#61
4-Nitroaniline
Concen: 8.506 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

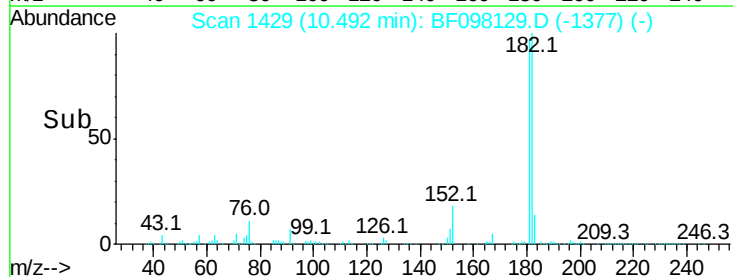
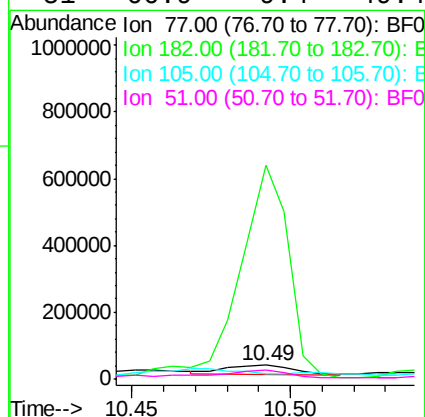
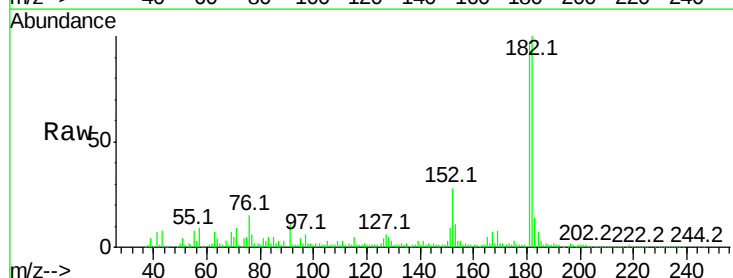
Instrument :
BNA_F
ClientSampleId :

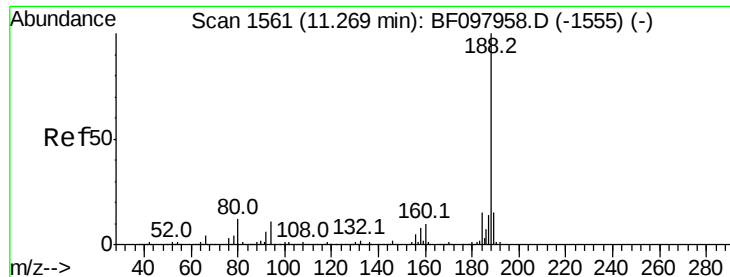
Tot Ion:138 Resp: 23667
Ion Ratio Lower Upper
138 100
92 22.5 21.8 61.8
108 26.0 42.3 82.3#



#62
Azobenzene
Concen: 2.865 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion: 77 Resp: 40462
Ion Ratio Lower Upper
77 100
182 1573.3 0.1 40.1#
105 41.9 3.6 43.6
51 66.9 9.4 49.4#

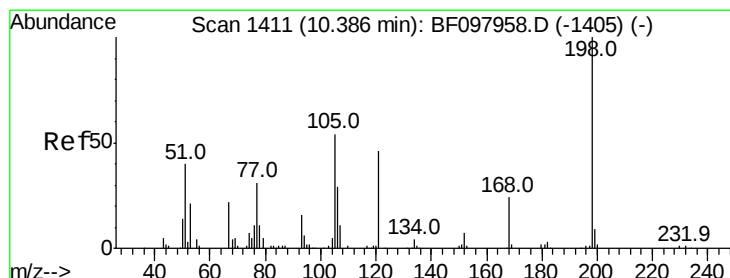
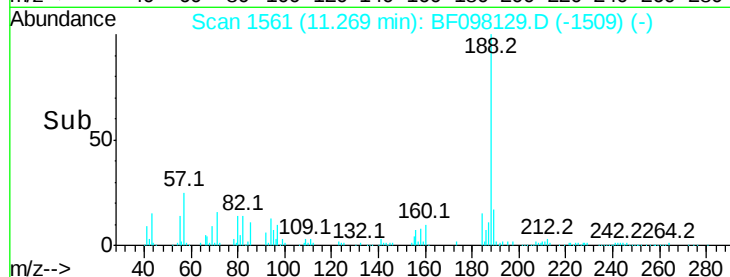
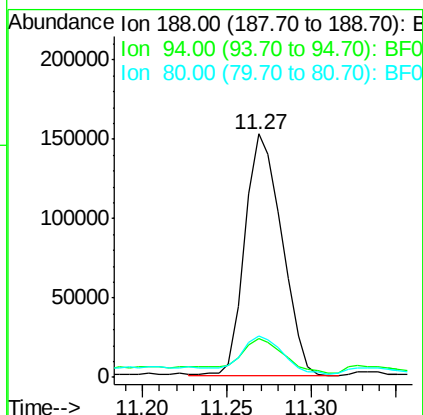
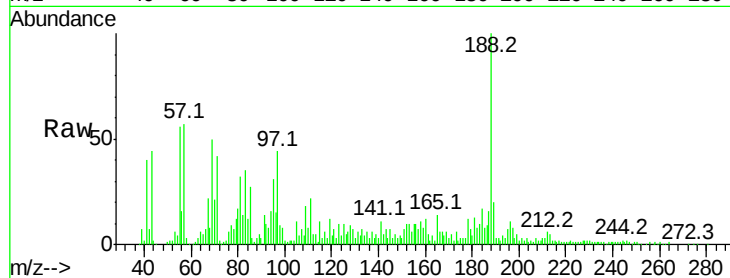




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

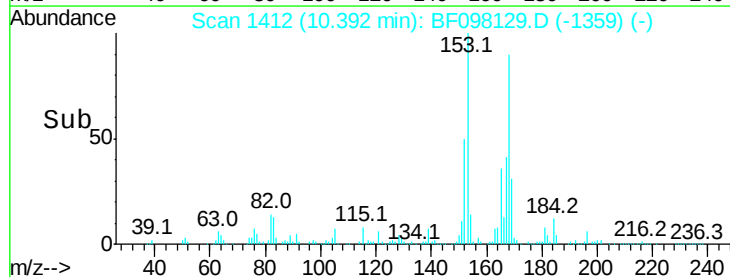
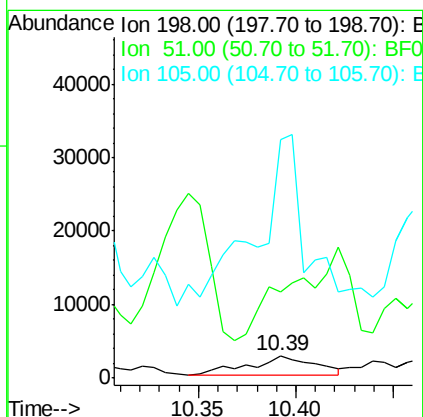
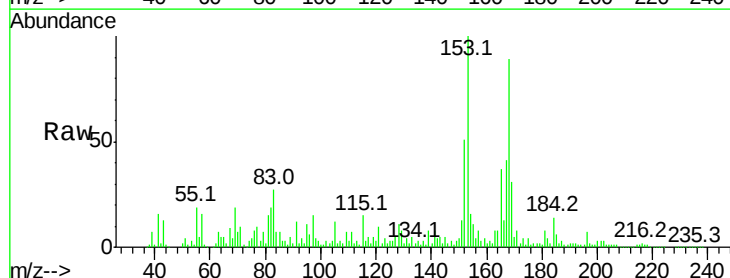
Instrument :
BNA_F
ClientSampleId :

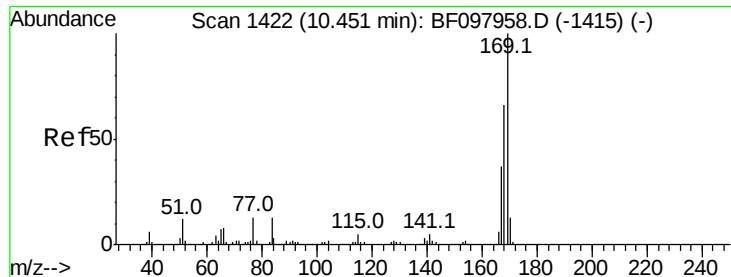
Tot Ion:188 Resp: 232028
Ion Ratio Lower Upper
188 100
94 16.2 9.4 14.2#
80 16.8 10.2 15.2#



#64
4,6-Dinitro-2-methylphenol
Concen: 12.723 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion:198 Resp: 5823
Ion Ratio Lower Upper
198 100
51 379.5 53.2 93.2#
105 1055.7 45.8 85.8#





#65

n-Nitrosodiphenylamine

Concen: 20.198 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.00 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

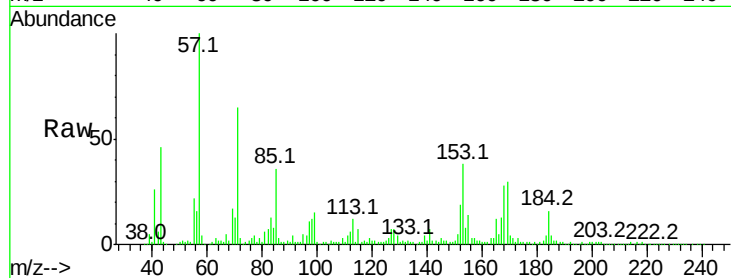
Tot Ion:169 Resp: 159589

Ion Ratio Lower Upper

169 100

168 93.2 53.2 79.8#

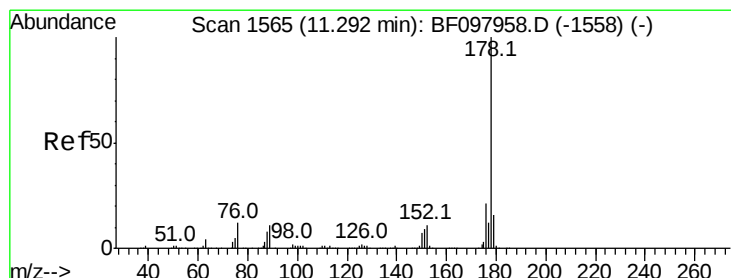
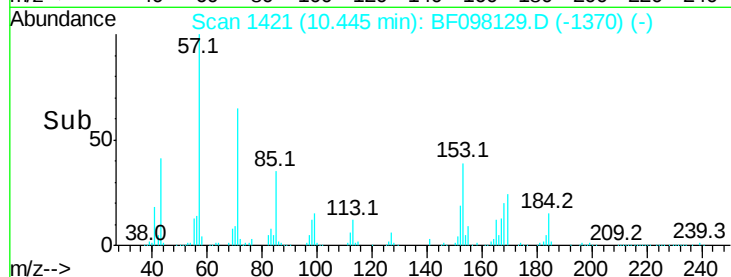
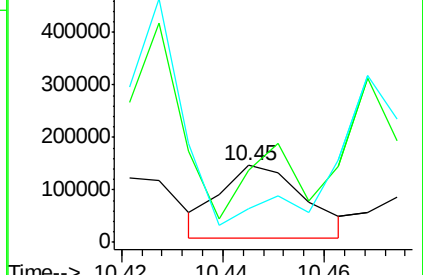
167 43.6 29.5 44.3



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



#70

Phenanthrene

Concen: 271.659 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

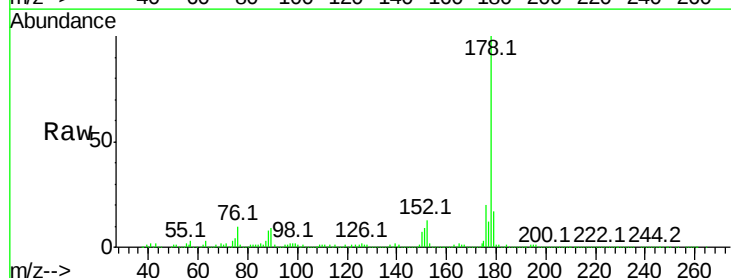
Tgt Ion:178 Resp: 3358820

Ion Ratio Lower Upper

178 100

176 20.3 16.2 24.4

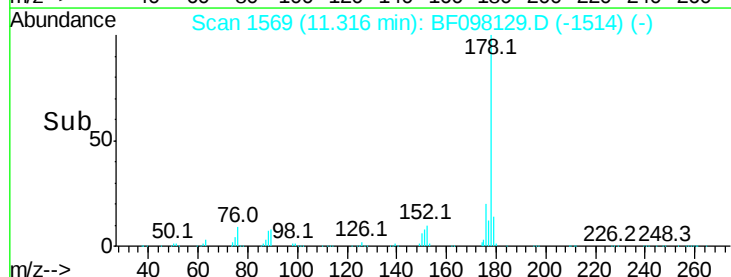
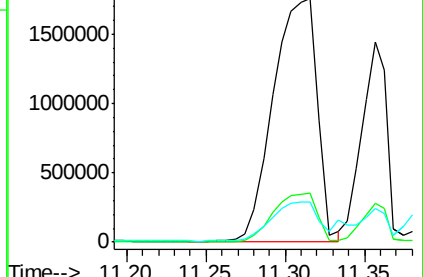
179 16.5 12.6 19.0

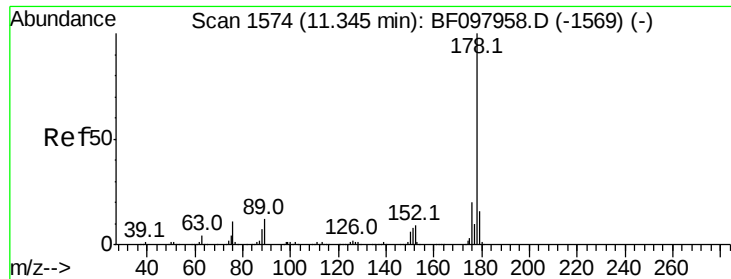


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

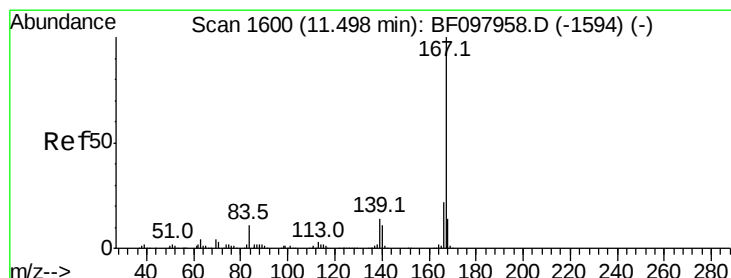
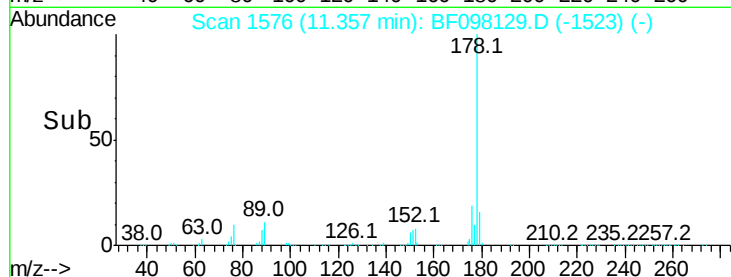
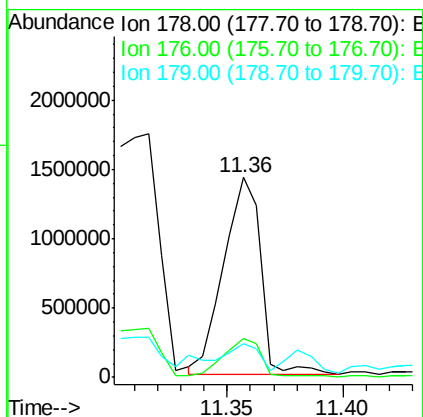
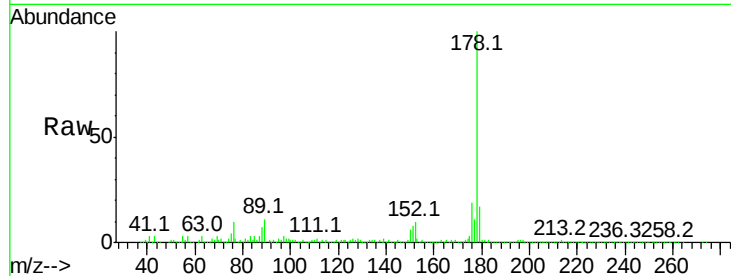




#71
 Anthracene
 Concen: 127.132 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

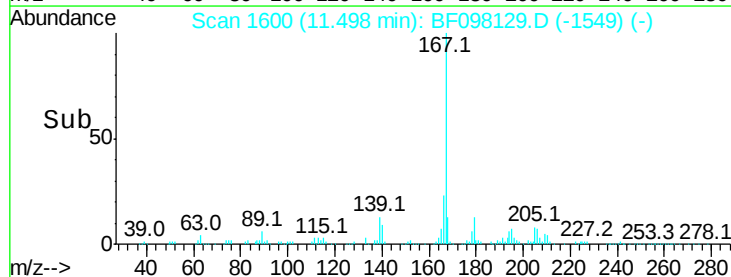
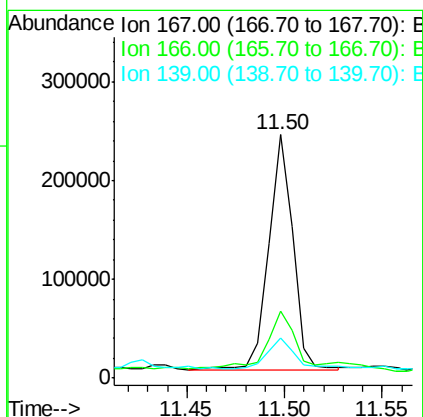
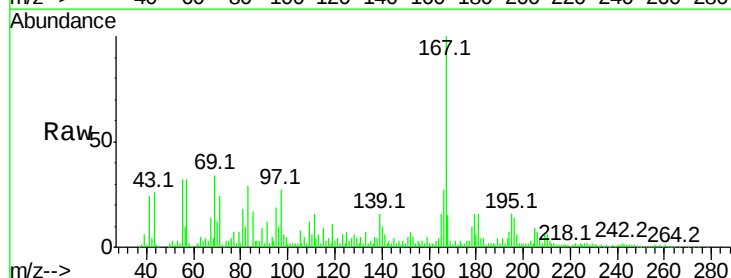
Instrument :
 BNA_F
 ClientSampleId :

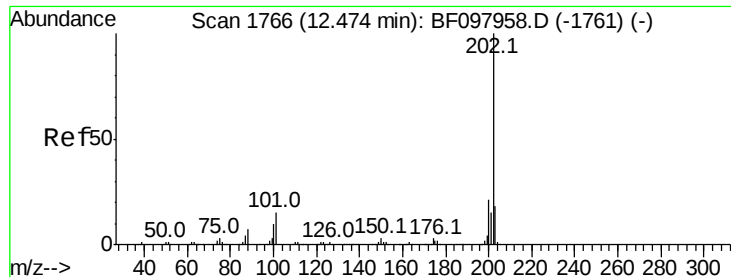
Tot Ion:178 Resp: 1594305
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 16.6 12.7 19.1



#72
 Carbazole
 Concen: 17.237 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

Tgt Ion:167 Resp: 205189
 Ion Ratio Lower Upper
 167 100
 166 27.3 18.1 27.1#
 139 16.4 11.7 17.5





#74

Fluoranthene

Concen: 112.368 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.02 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Instrument :

BNA_F

ClientSampleId :

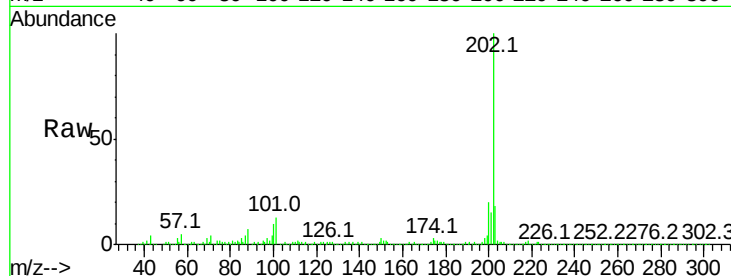
Tot Ion:202 Resp: 1450138

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

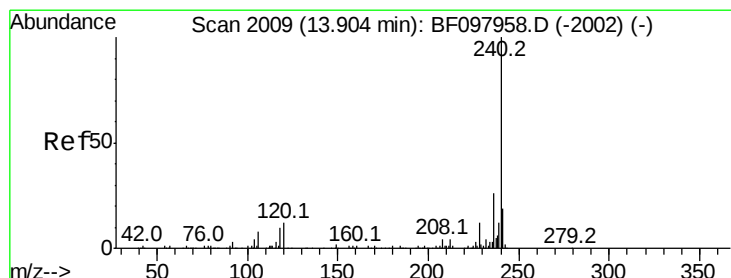
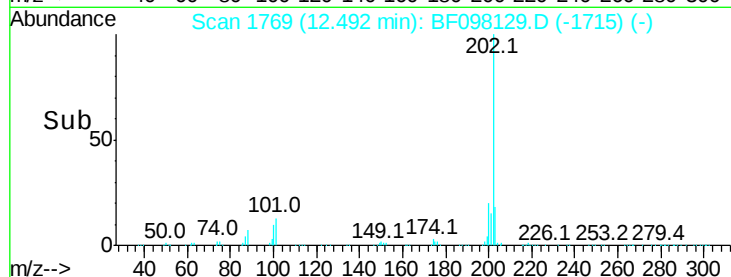
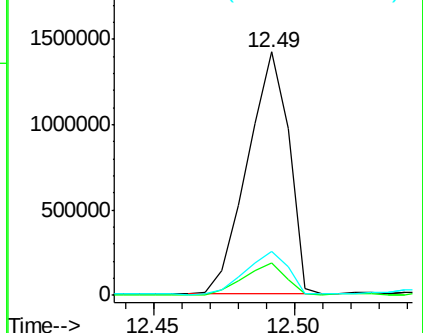
203 18.2 0.0 38.1



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: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

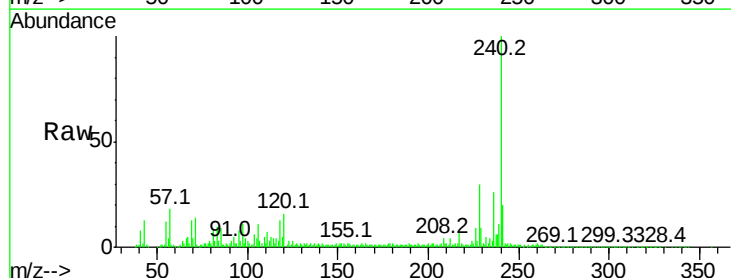
Tgt Ion:240 Resp: 240003

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

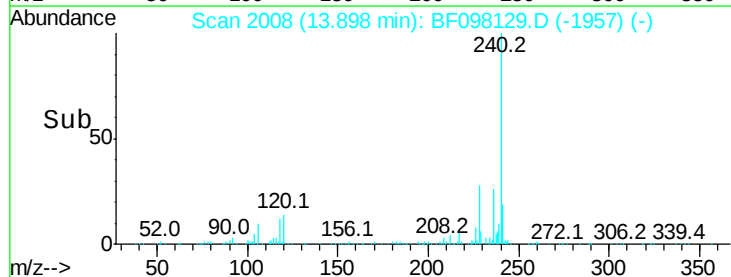
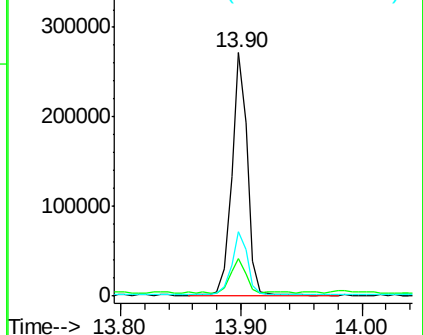
236 26.3 20.5 30.7

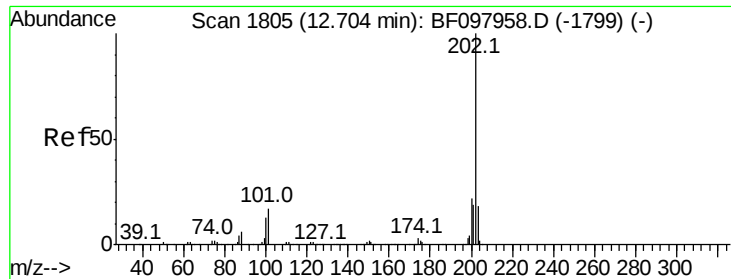


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 64.157 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

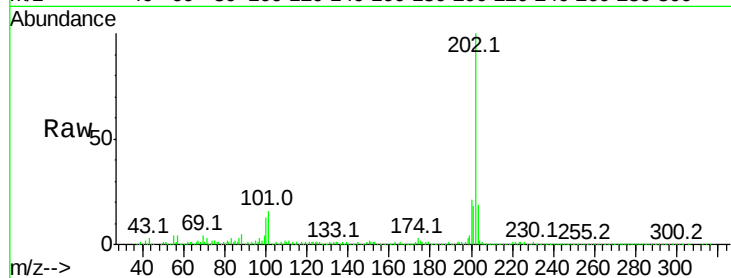
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 1259377

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.7	14.4	21.6

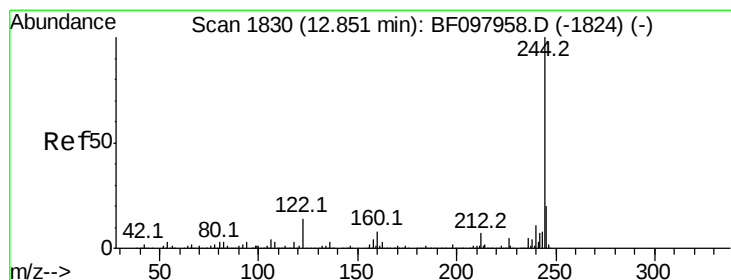
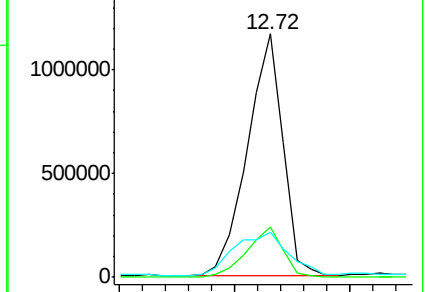
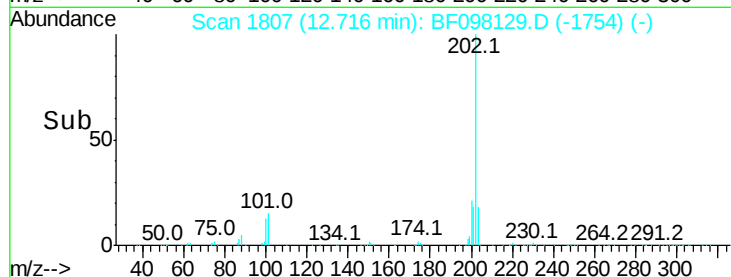


Abundance

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: 10.141 ng

RT: 12.84 min Scan# 1829

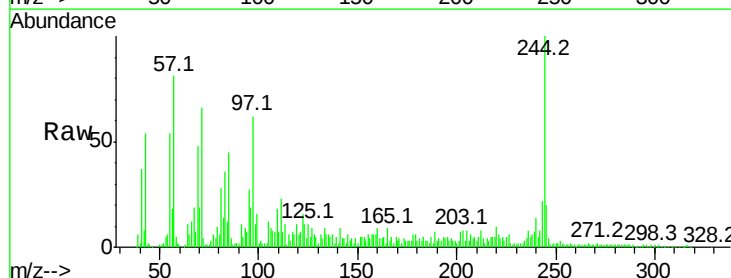
Delta R.T. -0.01 min

Lab File: BF098129.D

Acq: 29 Aug 2017 23:49

Tgt Ion:244 Resp: 116710

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	16.2	10.3	15.5

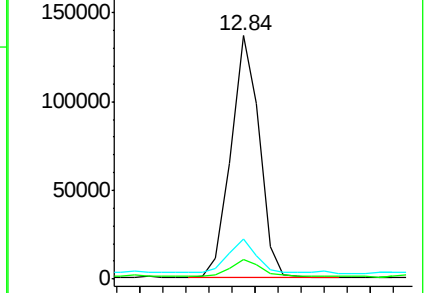
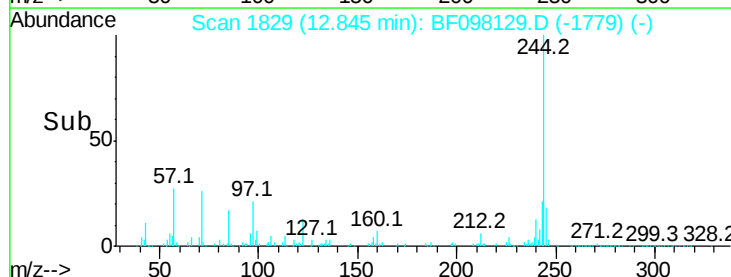


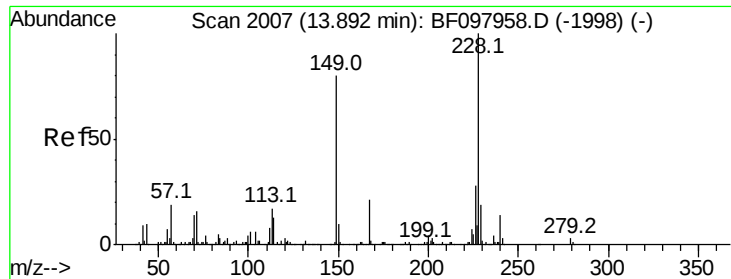
Abundance

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

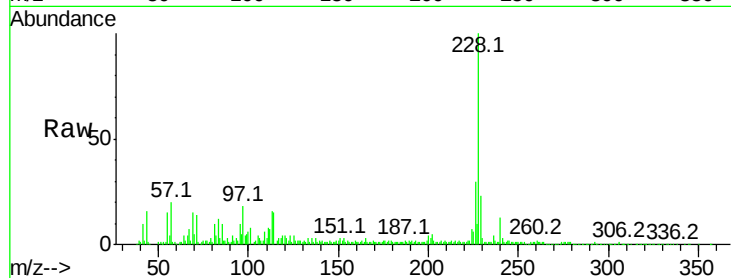




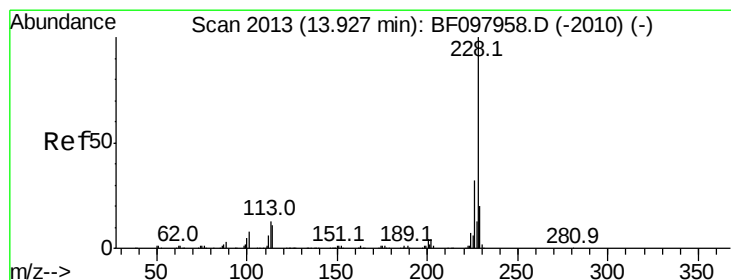
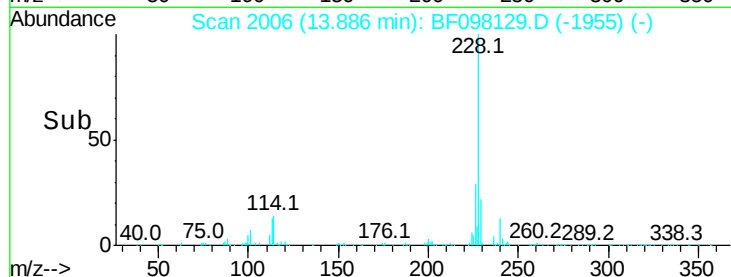
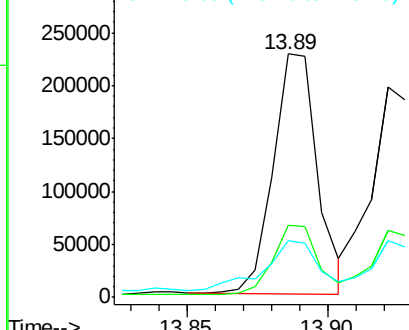
#80
Benzo(a)anthracene
Concen: 17.129 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 246385
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 23.1 16.3 24.5

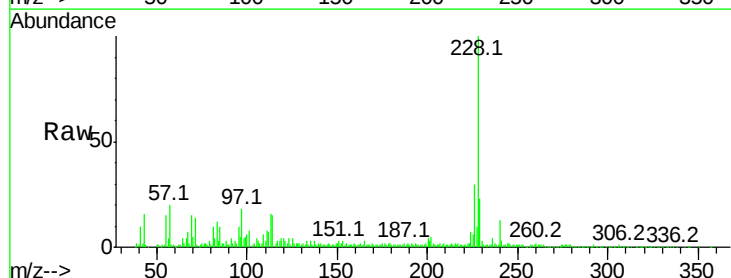


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

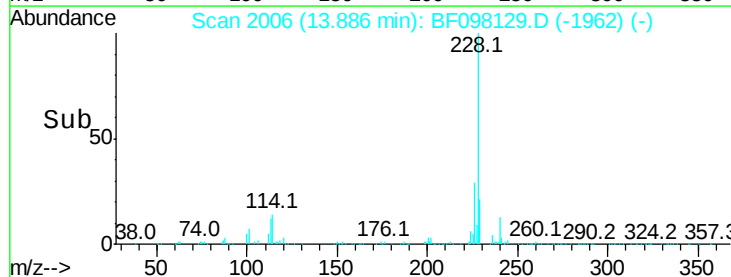
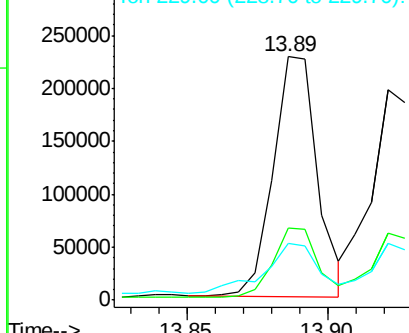


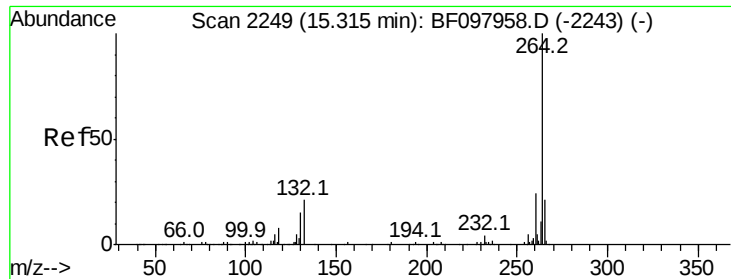
#82
Chrysene
Concen: 17.219 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion:228 Resp: 246385
Ion Ratio Lower Upper
228 100
226 29.7 24.9 37.3
229 23.1 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

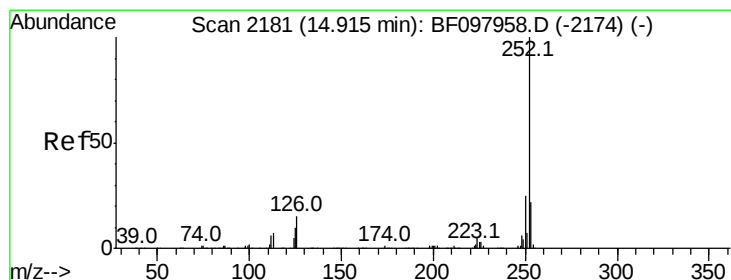
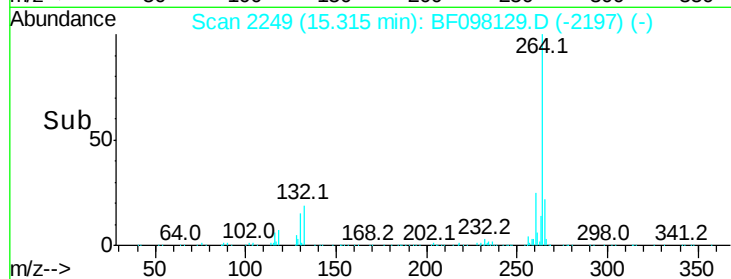
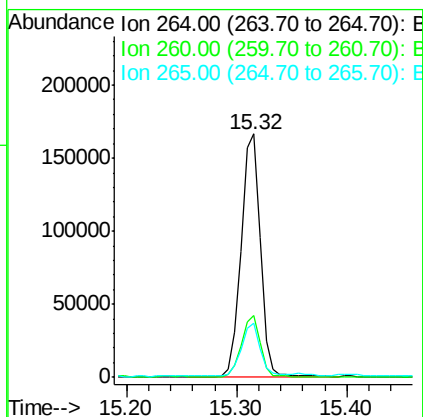
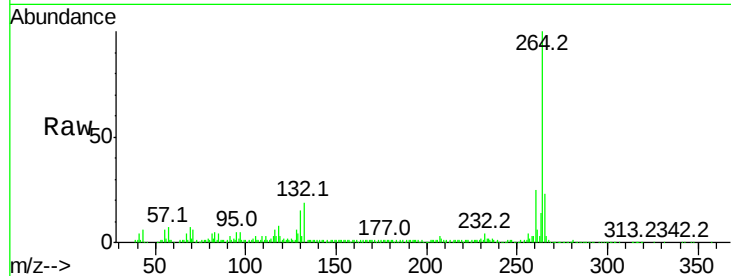




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

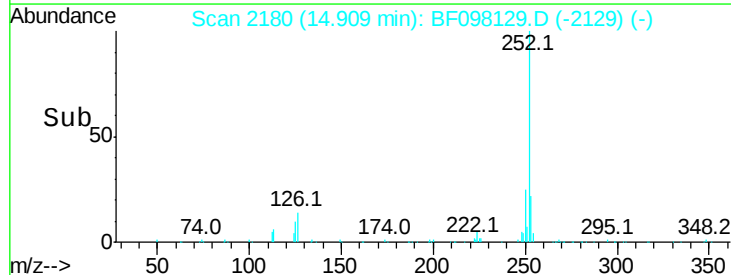
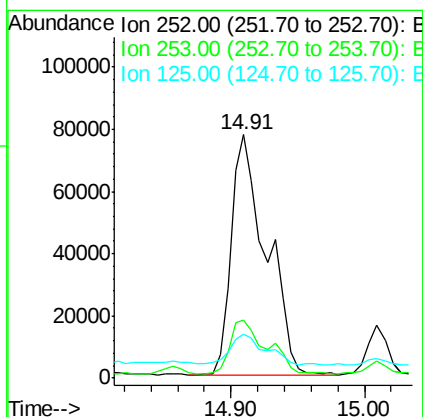
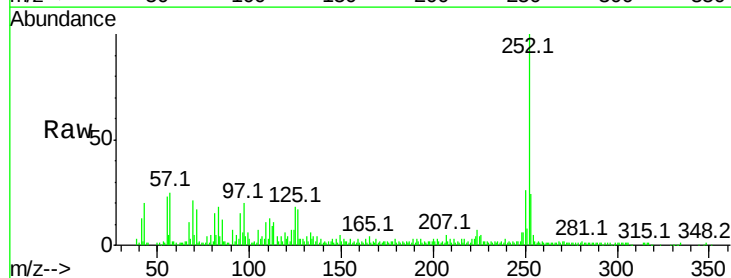
Instrument :
BNA_F
ClientSampleId :

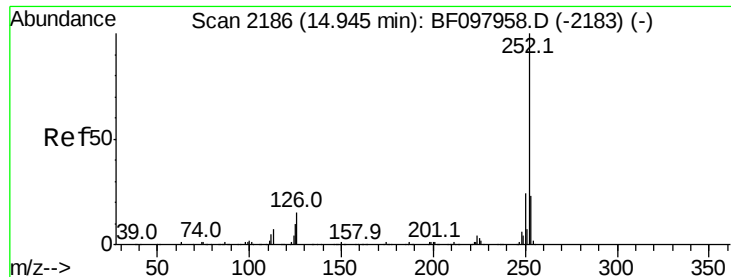
Tot Ion:264 Resp: 204524
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.981 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion:252 Resp: 141571
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 18.1 9.8 14.8#

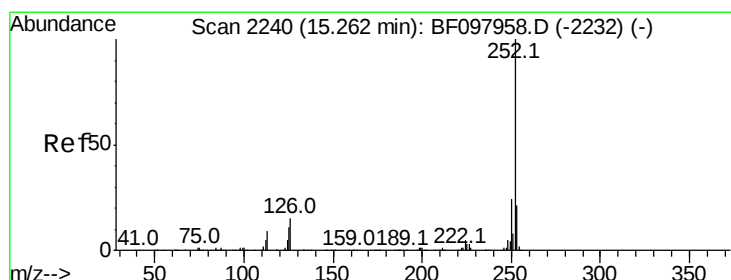
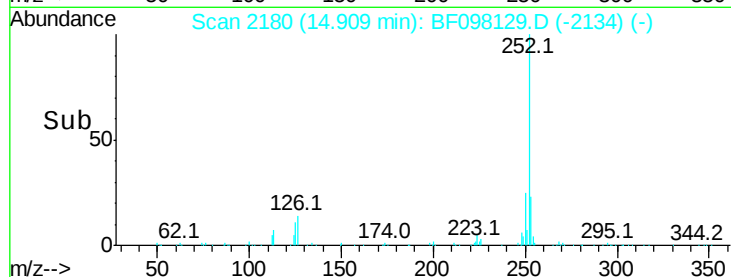
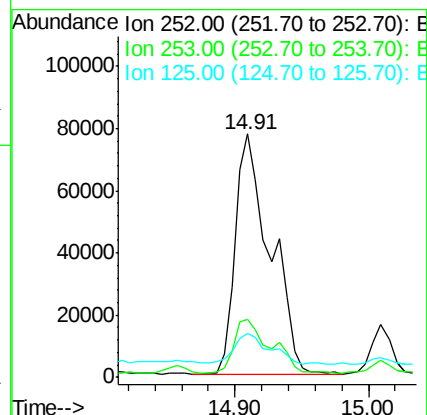
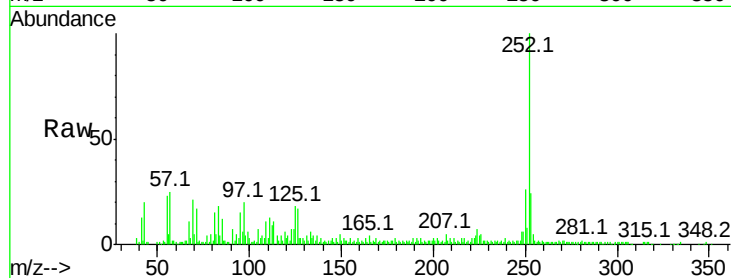




#88
Benzo(k)fluoranthene
Concen: 11.689 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

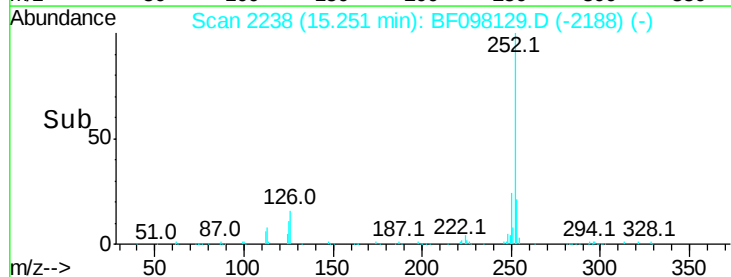
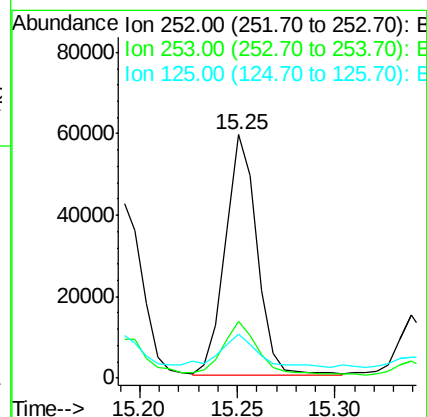
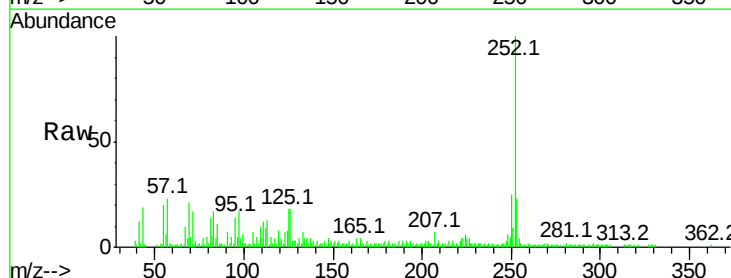
Instrument :
BNA_F
ClientSampled :

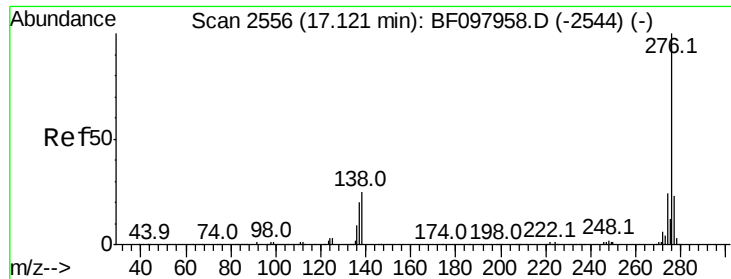
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	18.1	13.1	19.7



#89
Benzo(a)pyrene
Concen: 5.821 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF098129.D
Acq: 29 Aug 2017 23:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	18.1	11.0	16.4

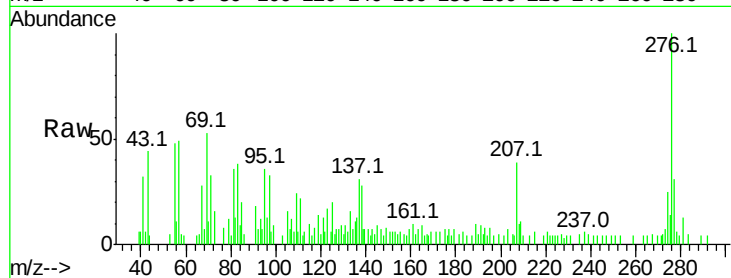




#91
 Benzo(a,h,i)perylene
 Concen: 2.041 ng
 RT: 17.10 min Scan# 2552
 Delta R.T. -0.01 min
 Lab File: BF098129.D
 Acq: 29 Aug 2017 23:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.0	18.6	28.0
138	28.2	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

