

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF011918\
 Data File : BF102213.D
 Acq On : 19 Jan 2018 10:42
 Operator : SJ/JU
 Sample : J1168-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0-DUP

Quant Time: Jan 19 13:30:20 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	154982	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	599286	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	244981	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	367362	20.00	ng	0.00
75) Chrysene-d12	13.87	240	293864	20.00	ng	0.00
86) Perylene-d12	15.29	264	231112	20.00	ng	0.00

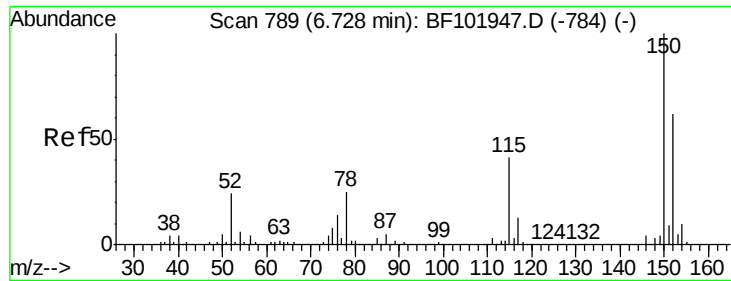
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	907823	82.71	ng	0.01
7) Phenol-d6	6.36	99	1074595	82.06	ng	0.00
23) Nitrobenzene-d5	7.29	82	661453	64.86	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	193156	90.35	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1122053	71.55	ng	0.00
78) Terphenyl-d14	12.83	244	814830	57.57	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.49	77	19671	2.163	ng	82
10) Phenol	6.37	94	47174	3.188	ng	97
19) n-Nitroso-di-n-propylamine	7.29	70	89331	10.410	ng	# 81
25) Isophorone	7.29	82	654955	32.503	ng	# 64
49) Dimethylphthalate	9.47	163	161499	8.218	ng	99
56) 2,4-Dinitrotoluene	9.76	165	31839	6.471	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.54	198	425	5.850	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	12251	3.158	ng	# 1
70) Phenanthrene	11.26	178	161612	7.531	ng	98
71) Anthracene	11.31	178	46576	2.140	ng	99
74) Fluoranthene	12.45	202	303286	14.365	ng	95
77) Pyrene	12.67	202	281272	10.828	ng	99
80) Benzo(a)anthracene	13.86	228	162023	8.642	ng	98
82) Chrysene	13.90	228	146448	7.491	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	65494	4.789	ng	99
85) Indeno(1,2,3-cd)pyrene	16.67	276	63569	4.467	ng	94
87) Benzo(b)fluoranthene	14.89	252	229264	15.214	ng	# 95
88) Benzo(k)fluoranthene	14.89	252	229264	15.771	ng	98
89) Benzo(a)pyrene	15.23	252	113281	8.354	ng	# 92
91) Benzo(g,h,i)perylene	17.09	276	58092	5.329	ng	96

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

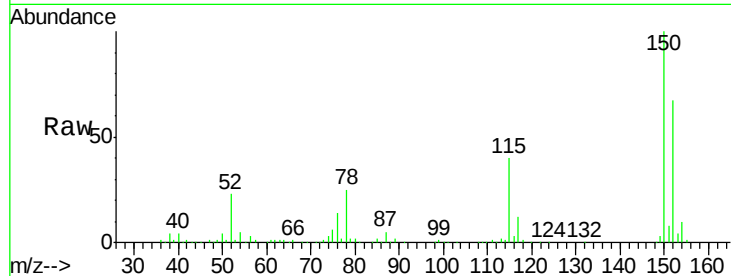


#1

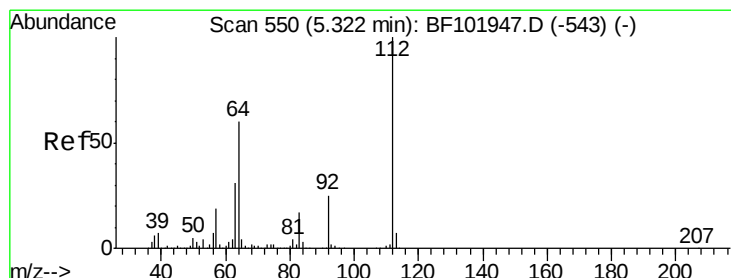
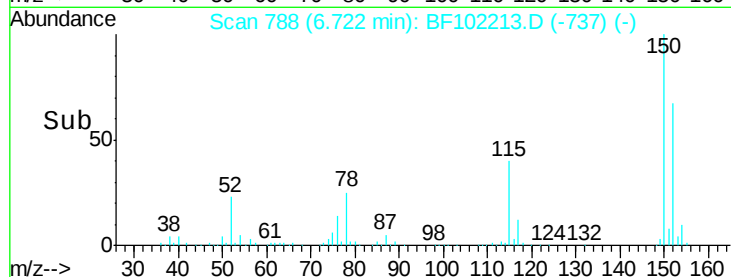
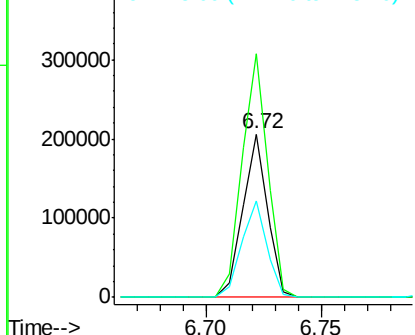
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tgt Ion:152 Resp: 154982
Ion Ratio Lower Upper
152 100
150 149.1 124.6 186.8
115 59.3 50.1 75.1



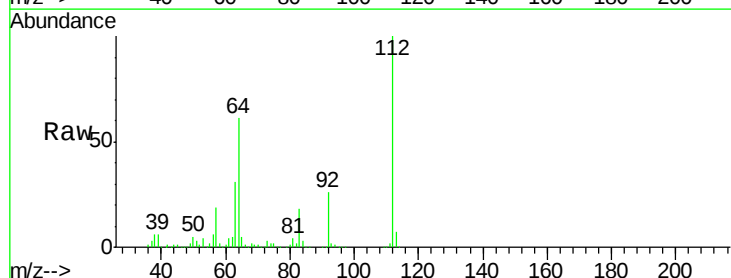
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



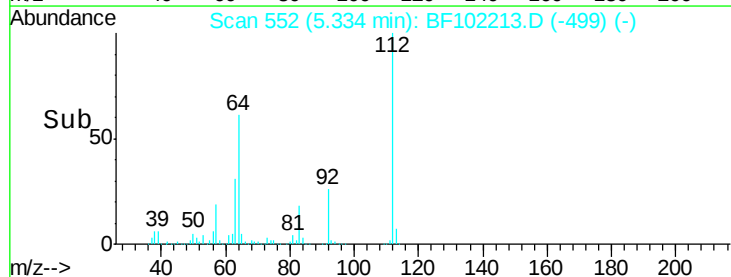
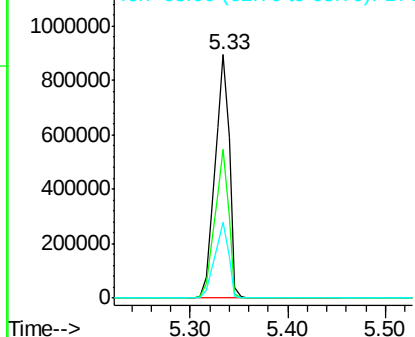
#5

2-Fluorophenol
Concen: 82.714 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:112 Resp: 907823
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 31.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.063 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

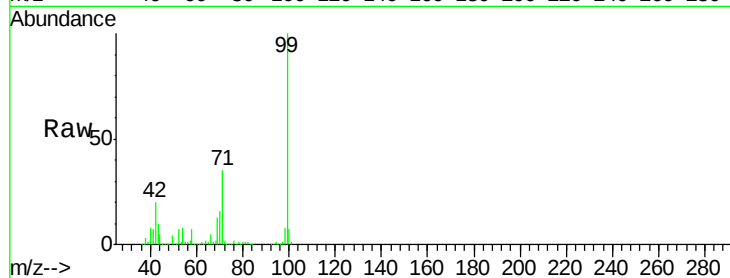
Tgt Ion: 99 Resp: 1074595

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

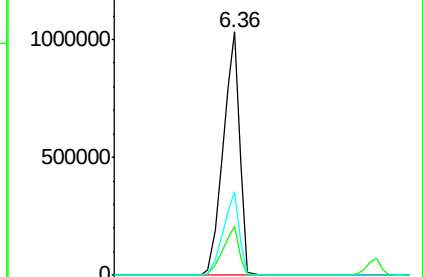
71 34.5 25.4 38.0



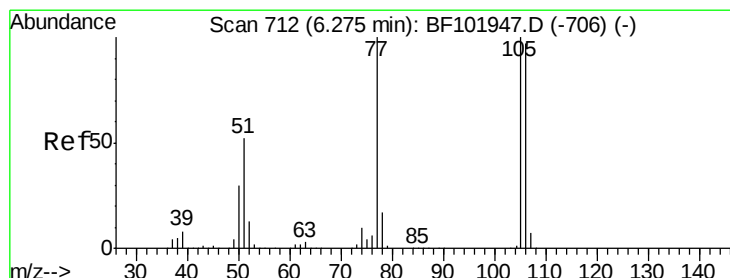
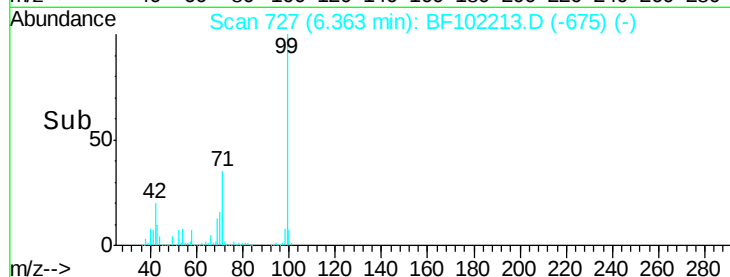
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#9

Benzaldehyde

Concen: 2.163 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

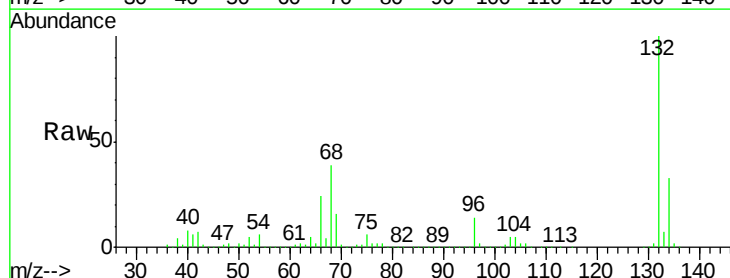
Tgt Ion: 77 Resp: 19671

Ion Ratio Lower Upper

77 100

105 82.1 81.1 121.1

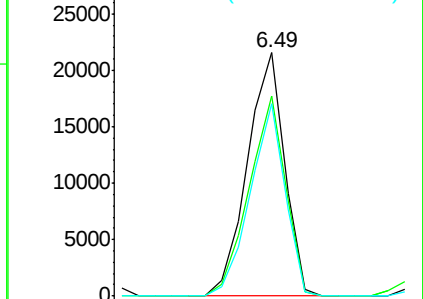
106 78.9 74.5 114.5



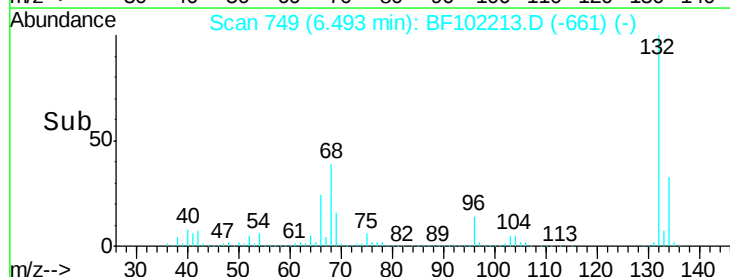
Abundance Ion 77.00 (76.70 to 77.70): BF1

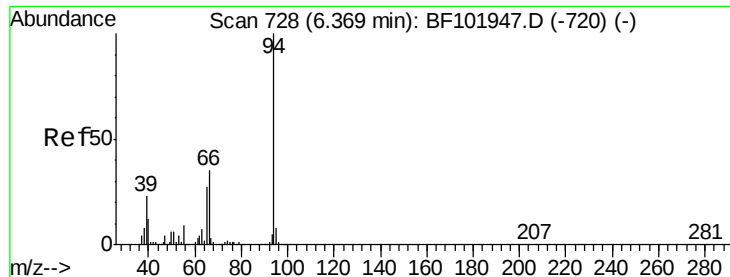
Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



Time-->





#10

Phenol

Concen: 3.188 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

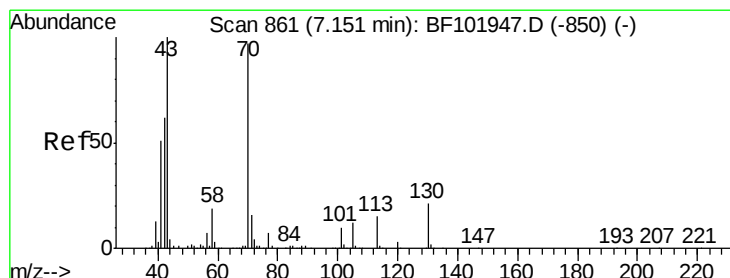
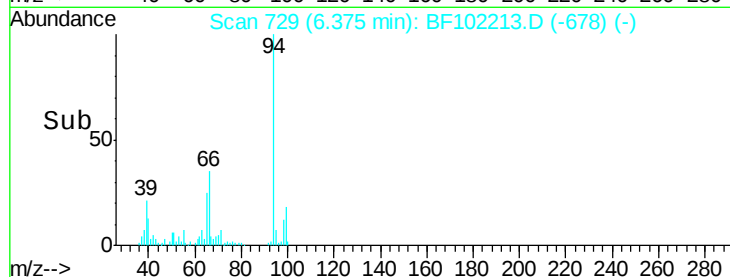
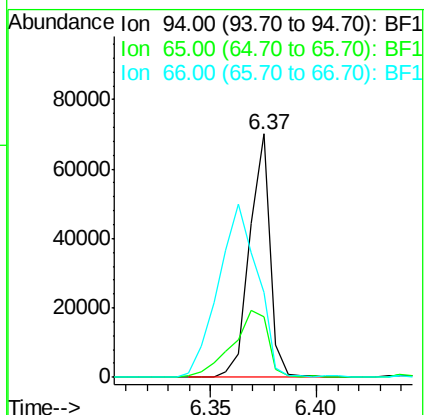
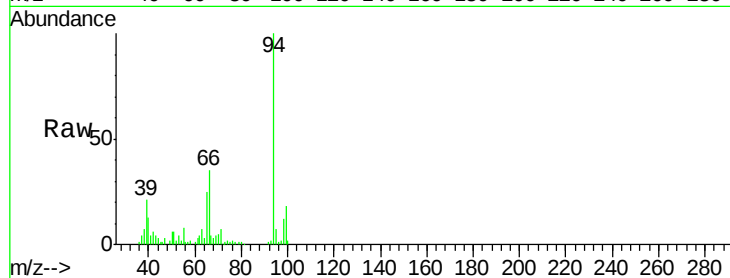
Tgt Ion: 94 Resp: 47174

Ion Ratio Lower Upper

94 100

65 25.1 7.9 47.9

66 35.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.410 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion: 70 Resp: 89331

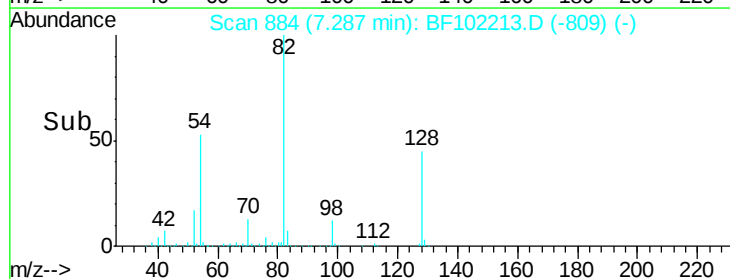
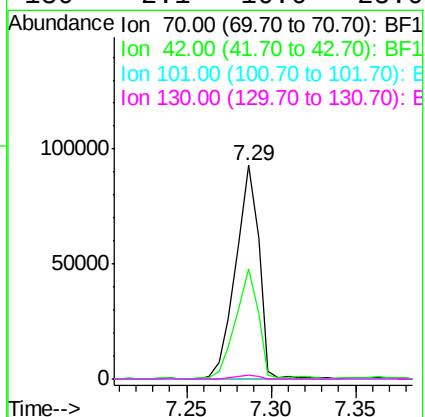
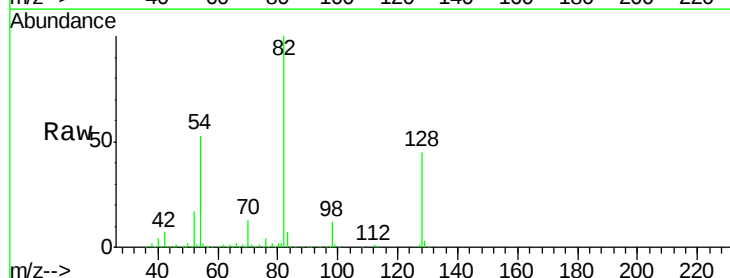
Ion Ratio Lower Upper

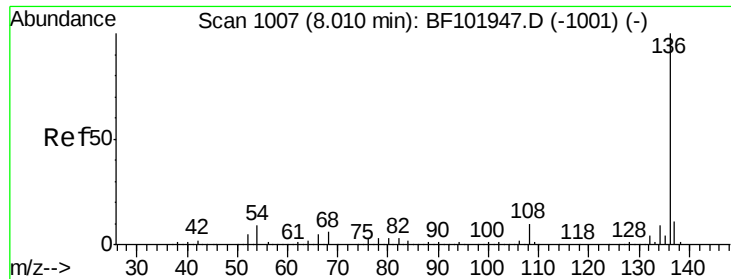
70 100

42 51.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

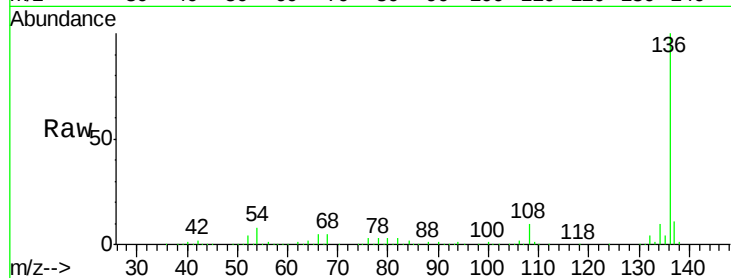




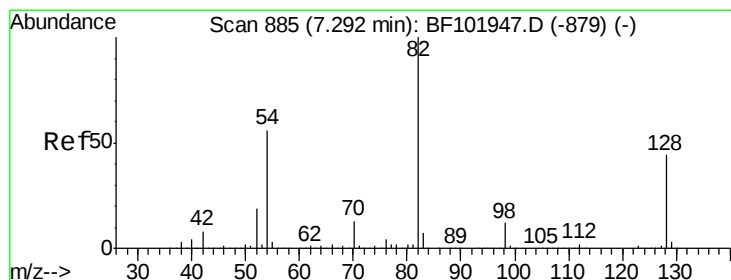
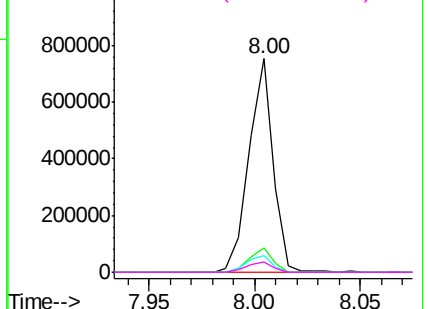
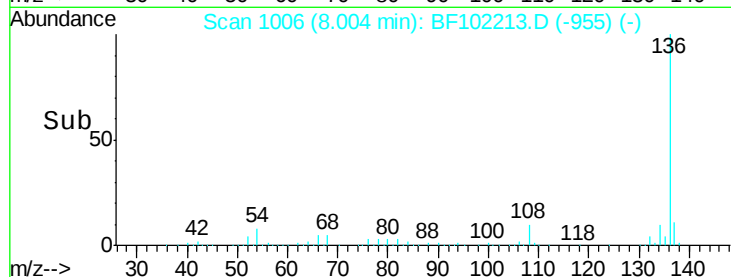
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tgt Ion:	136	Resp:	599286
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	5.0	5.0	7.4

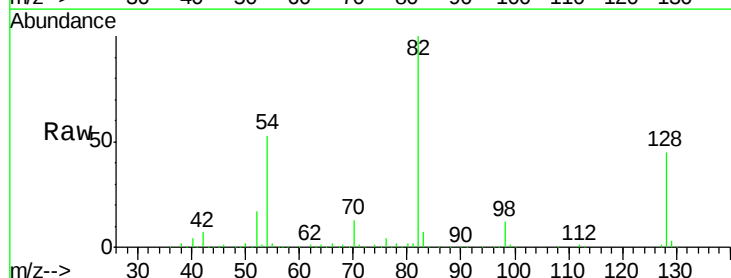


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

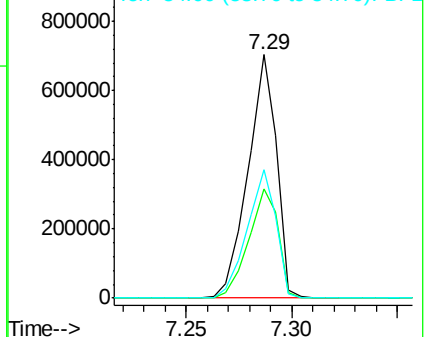
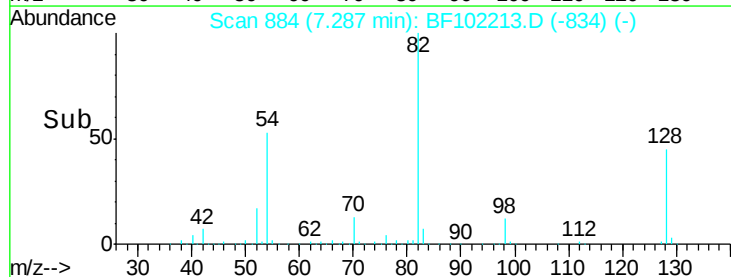


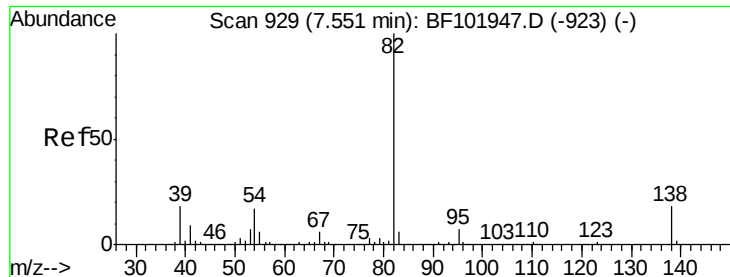
#23
Nitrobenzene-d5
Concen: 64.860 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:	82	Resp:	661453
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	53.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.503 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

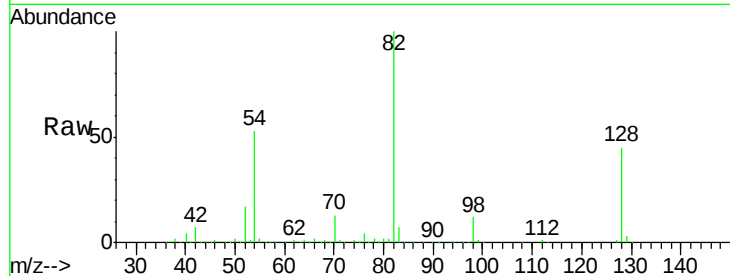
Tgt Ion: 82 Resp: 654955

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

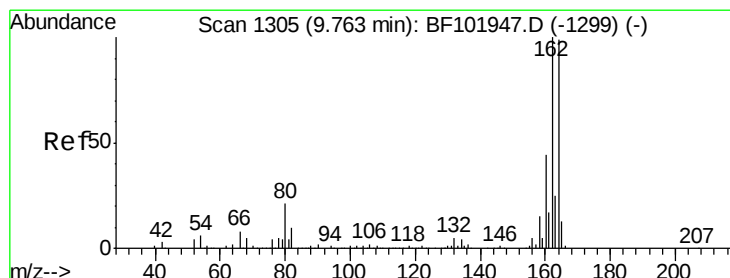
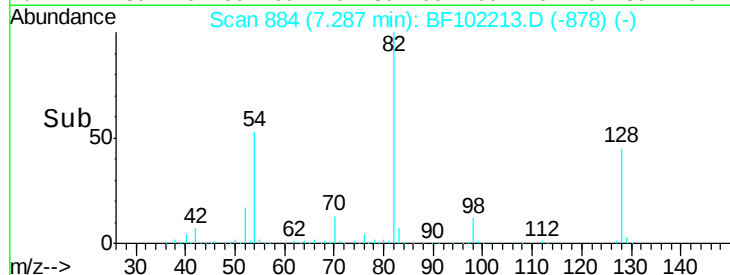
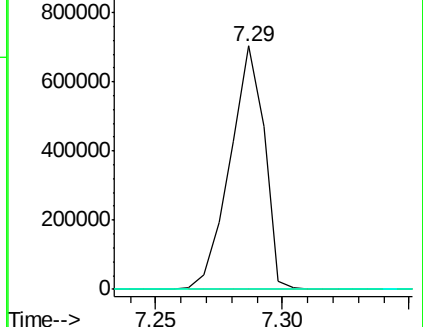
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

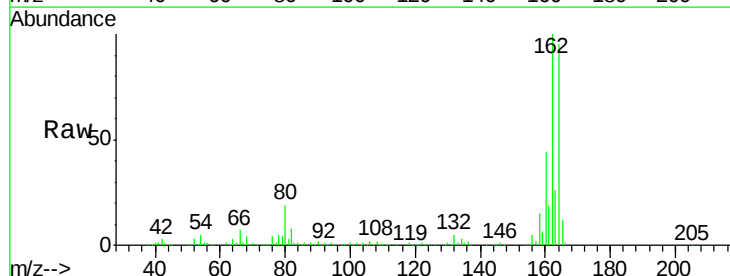
Tgt Ion: 164 Resp: 244981

Ion Ratio Lower Upper

164 100

162 104.7 86.1 129.1

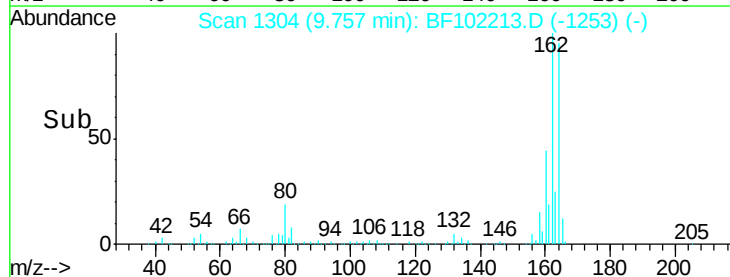
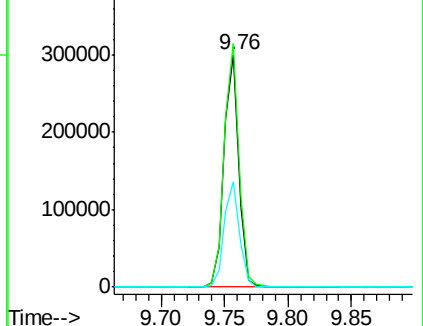
160 45.6 38.3 57.5

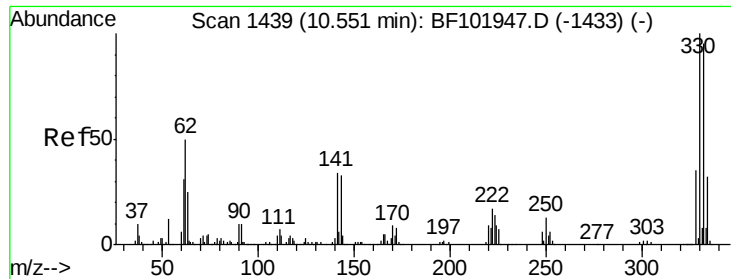


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

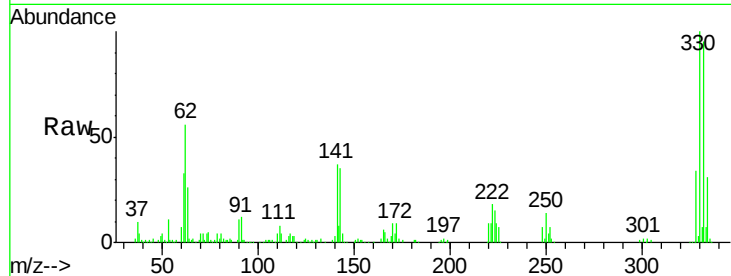




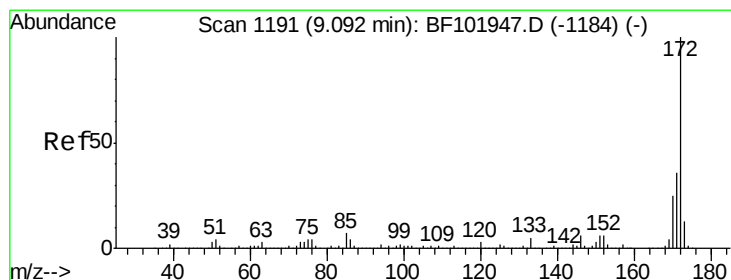
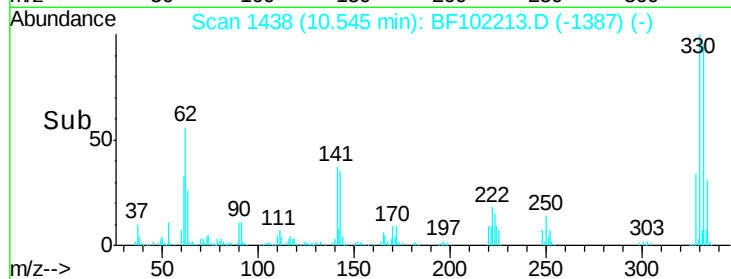
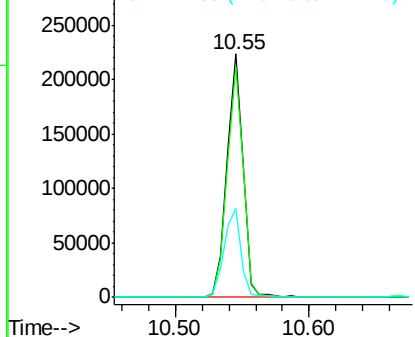
#41
 2,4,6-Tribromophenol
 Concen: 90.348 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

Instrument :
 BNA_F
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 SB-57-0-2.0-DUP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	38.4	29.9	44.9

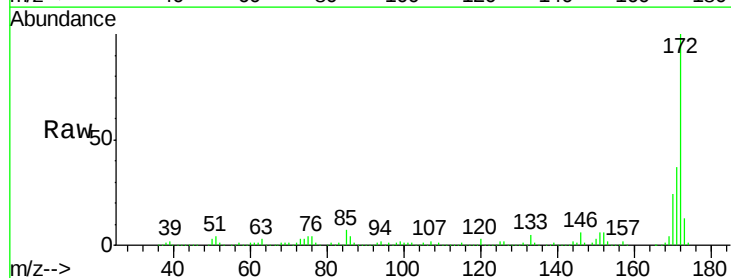


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

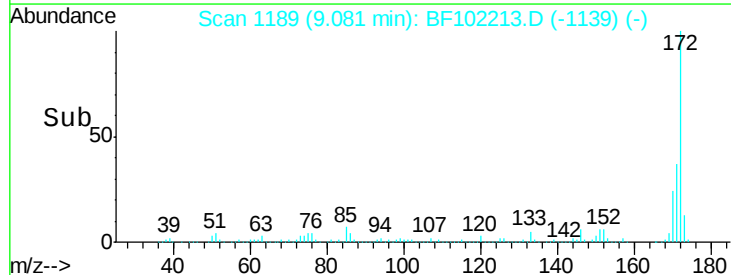
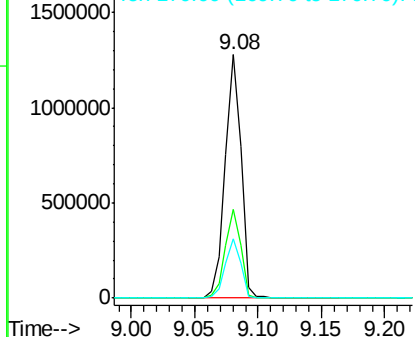


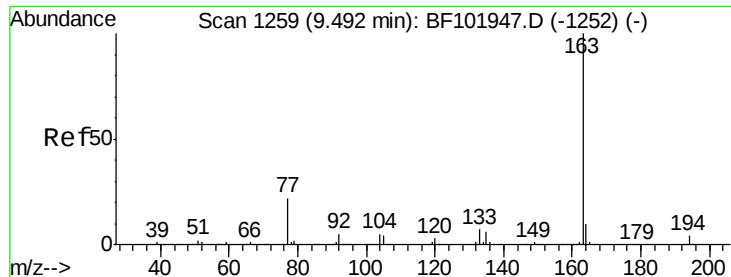
#44
 2-Fluorobiphenyl
 Concen: 71.555 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.4	19.6	29.4



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

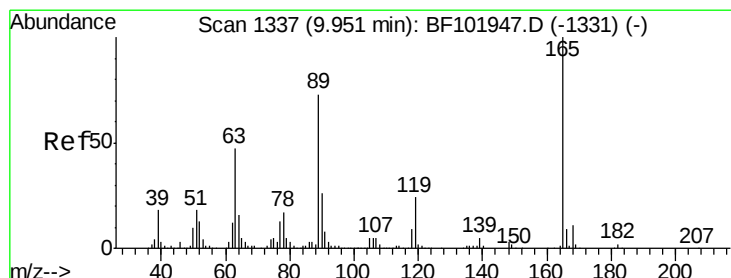
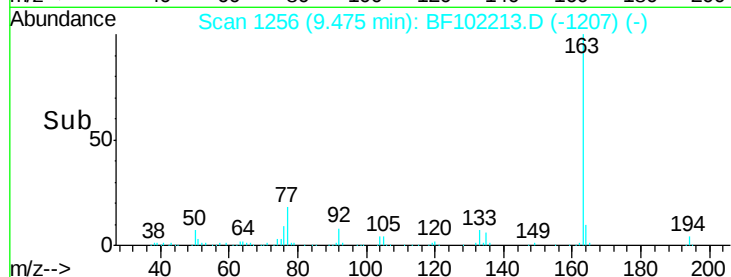
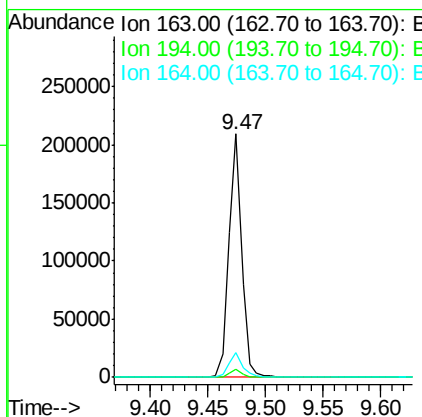
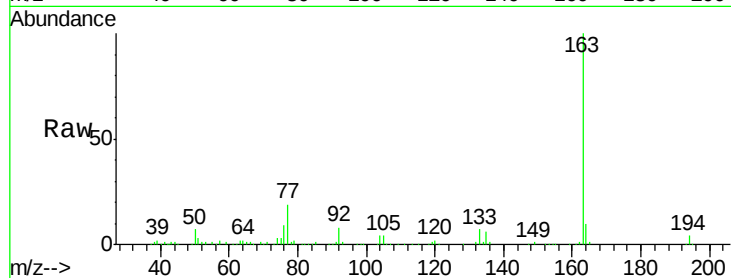




#49
Dimethylphthalate
Concen: 8.218 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

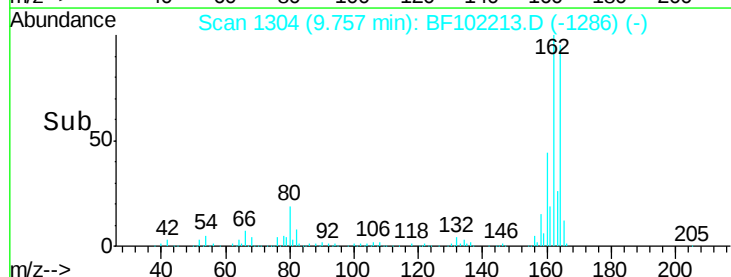
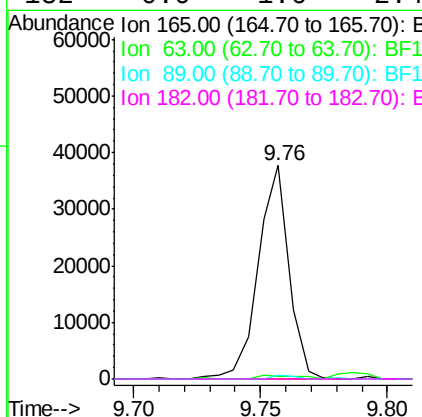
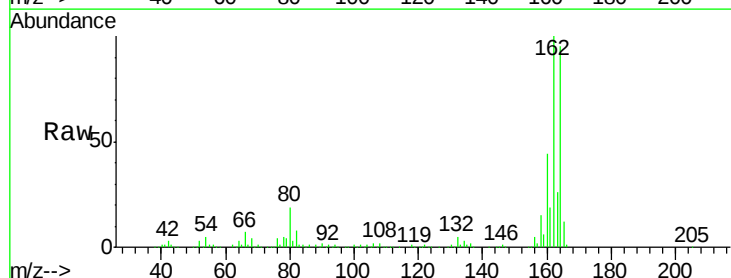
Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

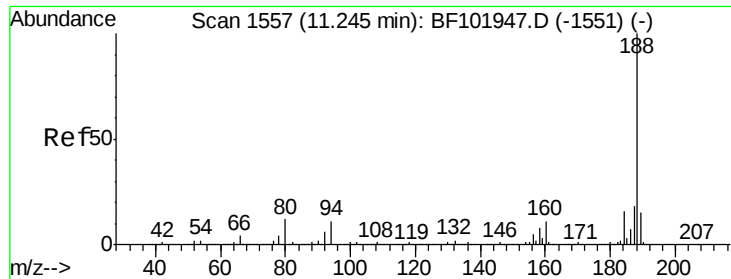
Tgt Ion:163 Resp: 161499
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.4 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.471 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:165 Resp: 31839
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

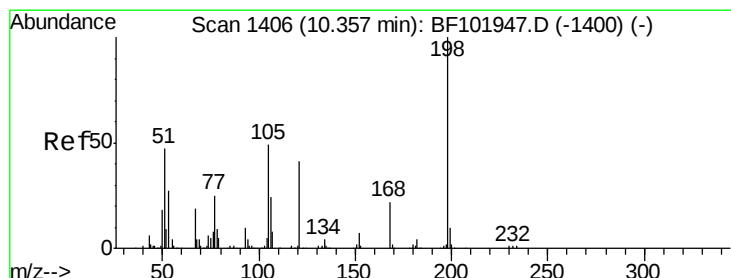
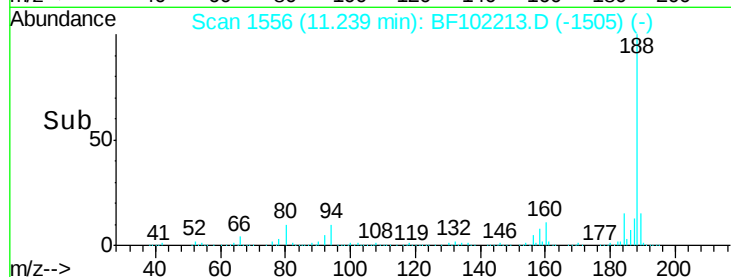
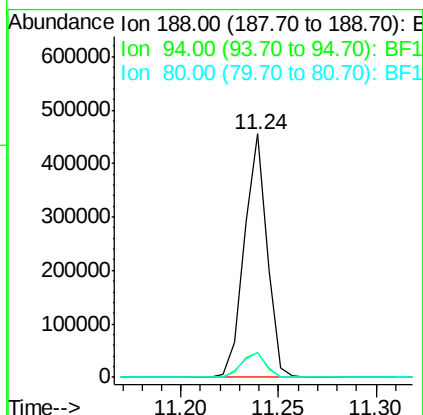
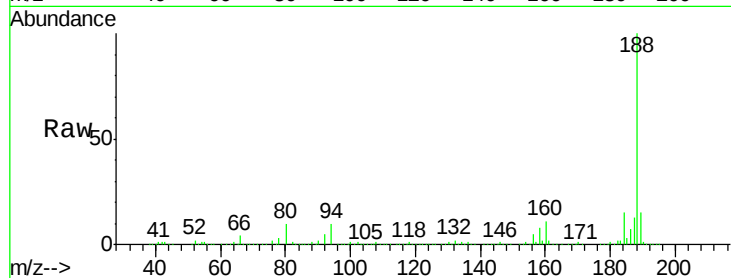




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

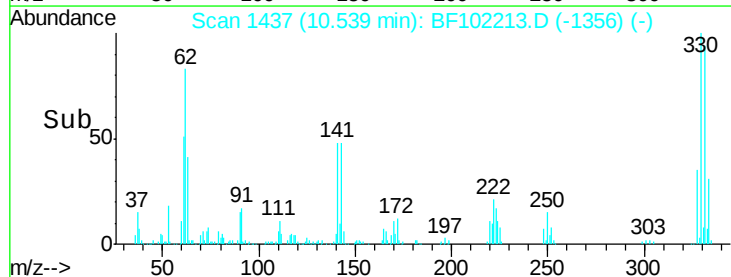
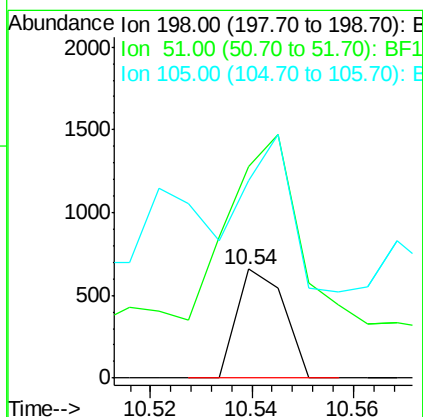
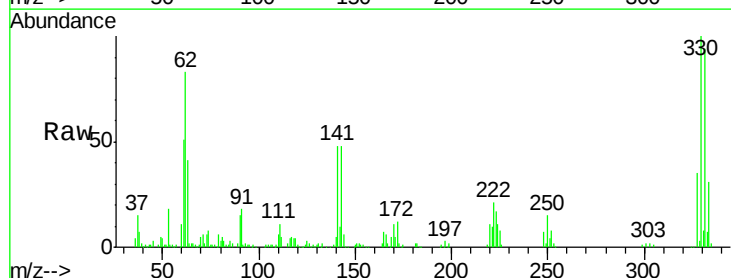
Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

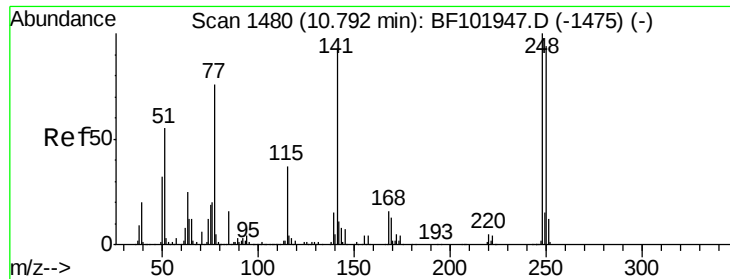
Tgt Ion:188 Resp: 367362
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.850 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:198 Resp: 425
Ion Ratio Lower Upper
198 100
51 194.1 37.7 77.7#
105 181.7 36.3 76.3#

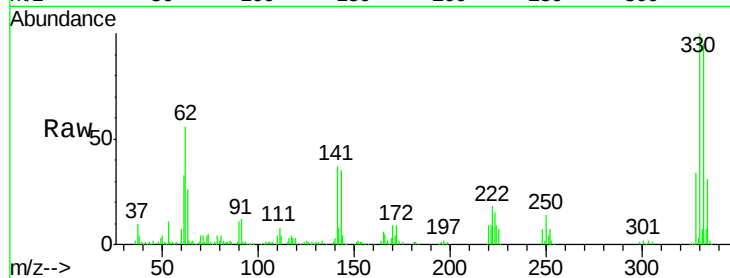




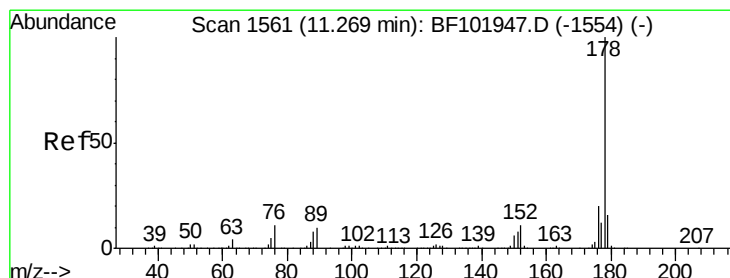
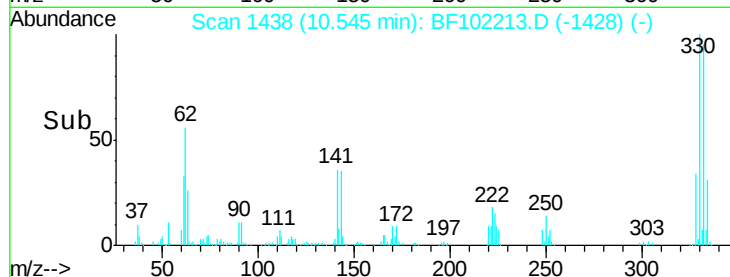
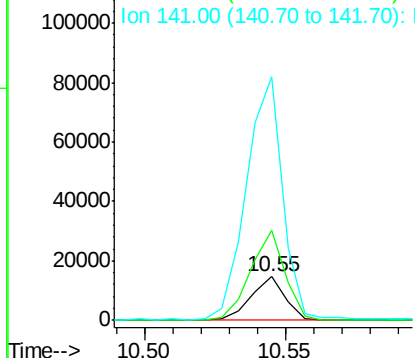
#66
4-Bromophenyl-phenylether
Concen: 3.158 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

Tgt Ion: 248 Resp: 12251
Ion Ratio Lower Upper
248 100
250 206.6 76.9 115.3#
141 560.3 74.4 111.6#

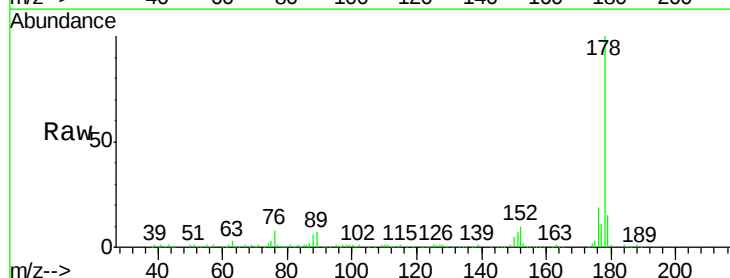


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

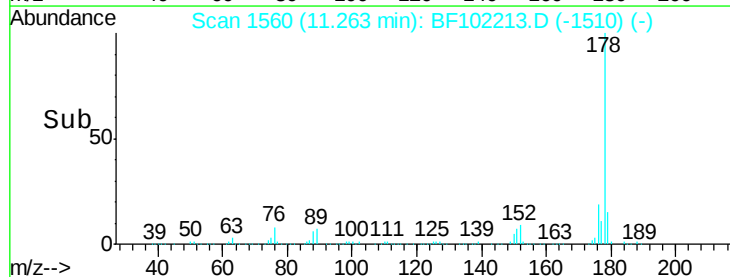
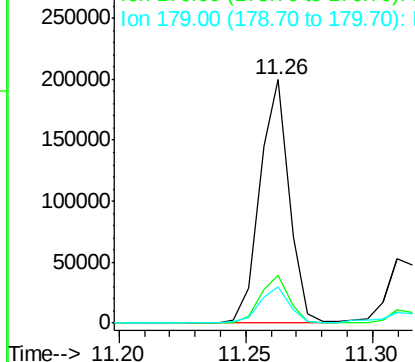


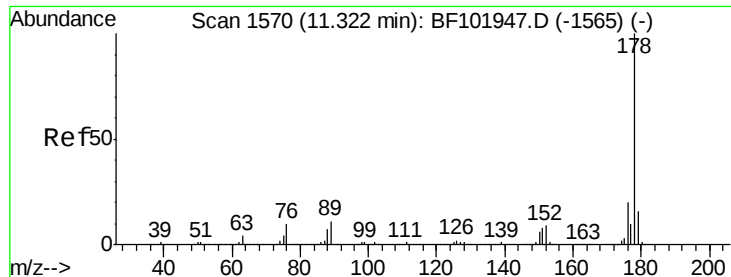
#70
Phenanthrene
Concen: 7.531 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion: 178 Resp: 161612
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.7 13.0 19.6



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: 2.140 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

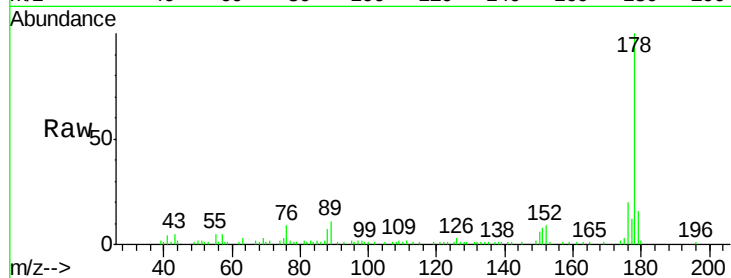
Tgt Ion:178 Resp: 46576

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.2

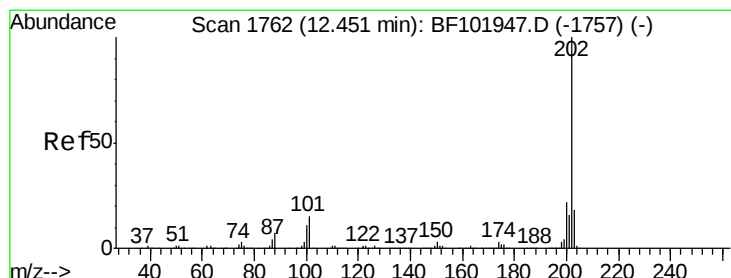
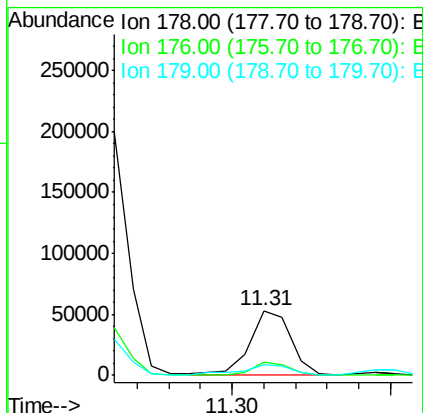
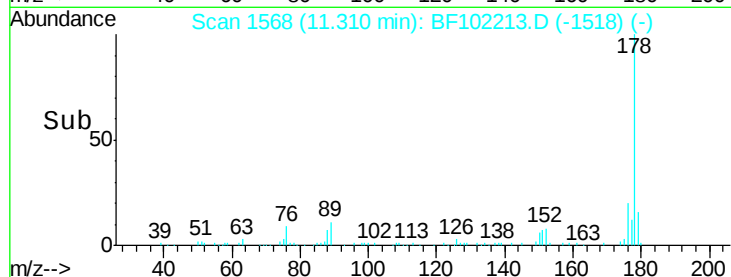
179 15.6 12.6 19.0



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



#74

Fluoranthene

Concen: 14.365 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

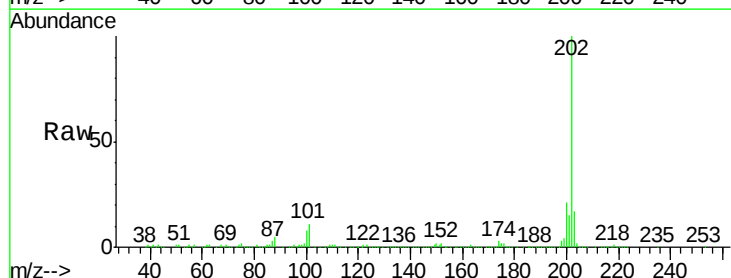
Tgt Ion:202 Resp: 303286

Ion Ratio Lower Upper

202 100

101 10.6 0.0 34.1

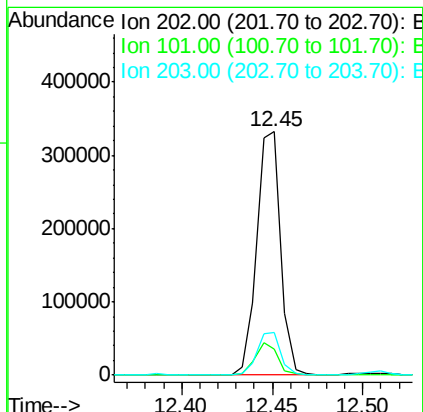
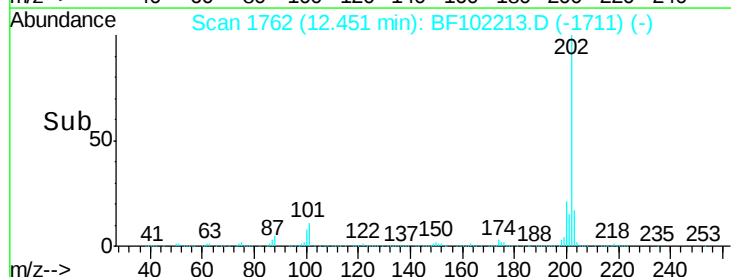
203 17.4 0.0 38.1

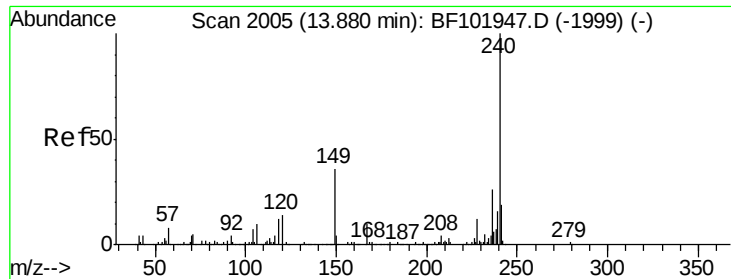


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

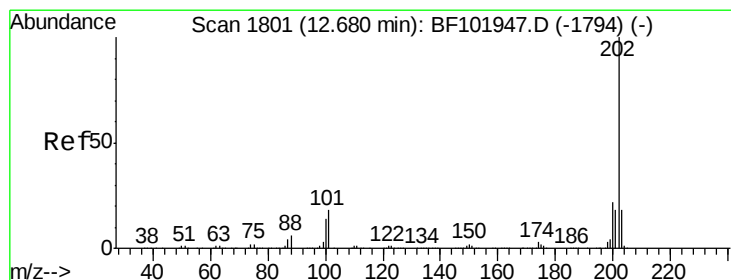
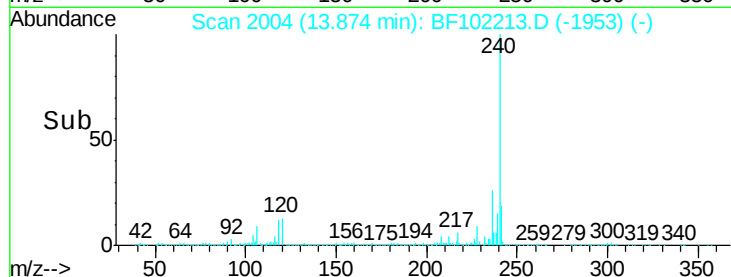
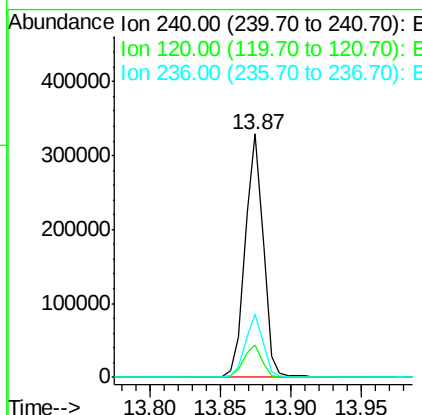
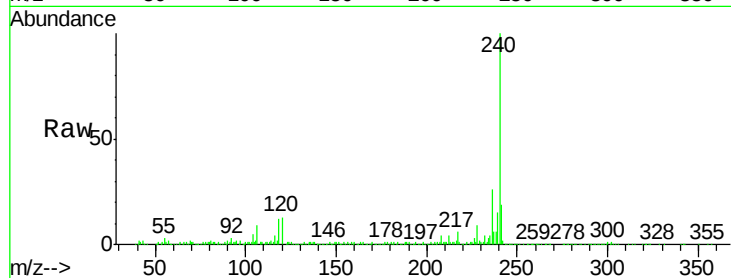




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

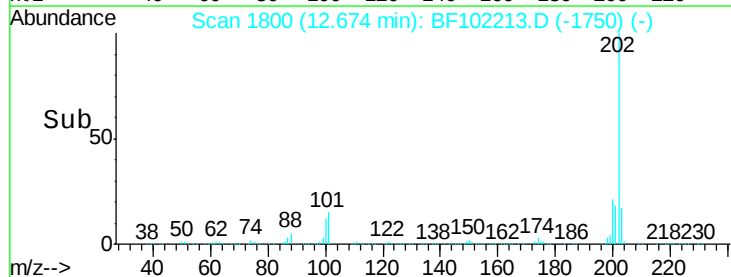
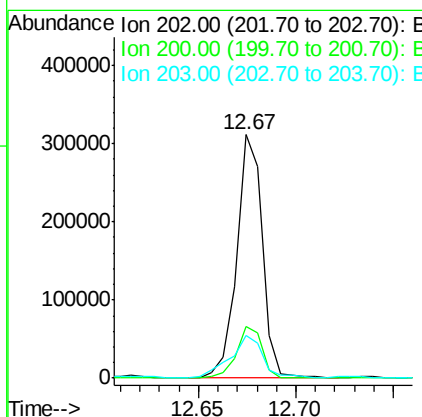
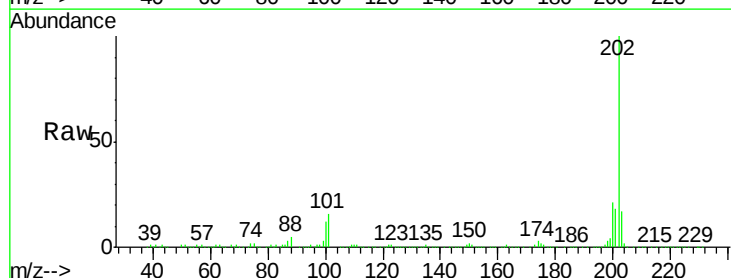
Instrument :
BNA_F
ClientSampleId :
SB-57-0-2.0-DUP

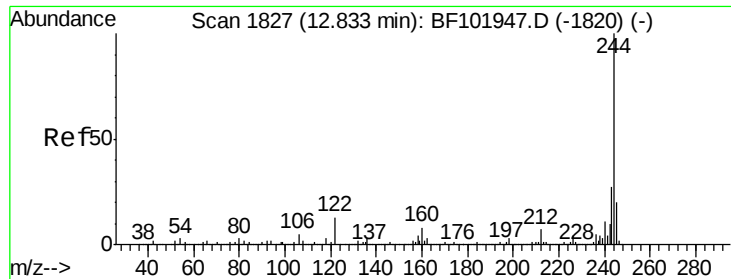
Tgt Ion:240 Resp: 293864
Ion Ratio Lower Upper
240 100
120 13.2 9.5 14.3
236 26.0 20.7 31.1



#77
Pyrene
Concen: 10.828 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF102213.D
Acq: 19 Jan 2018 10:42

Tgt Ion:202 Resp: 281272
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.4 14.3 21.5

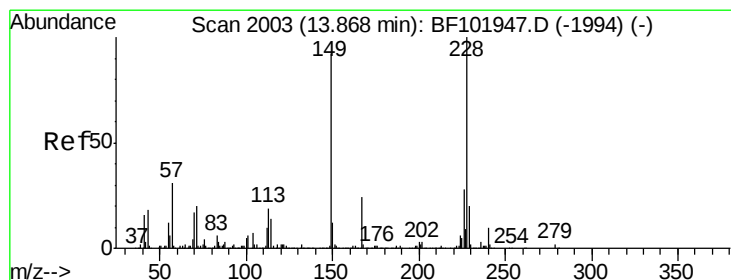
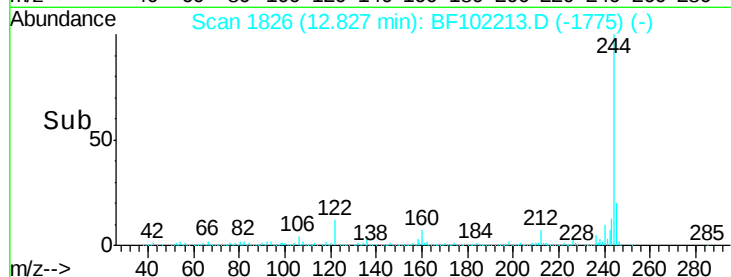
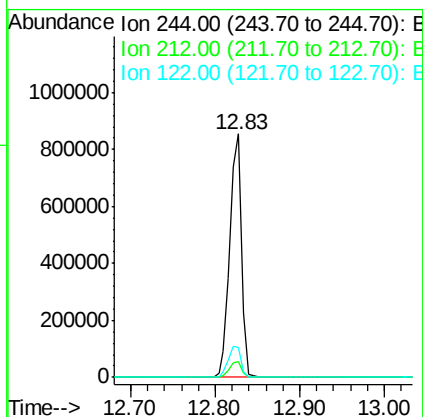
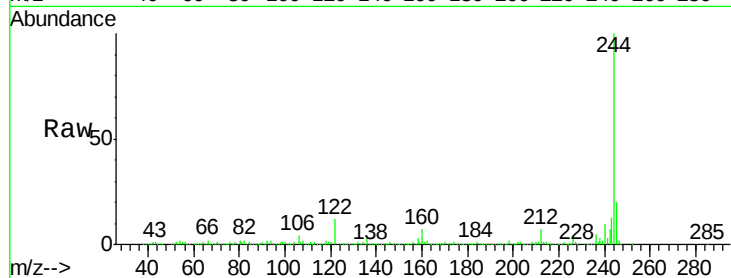




#78
 Terphenyl-d14
 Concen: 57.571 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

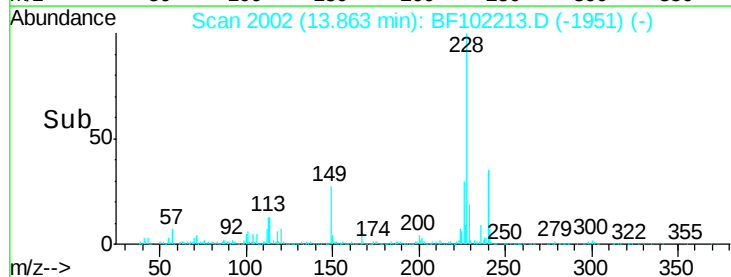
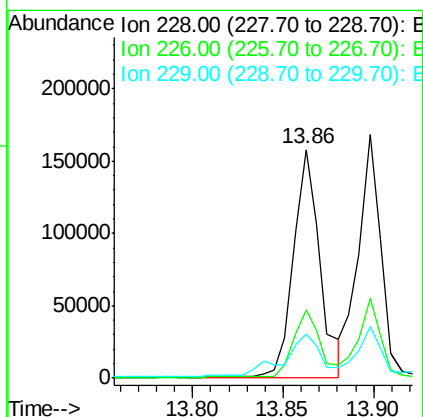
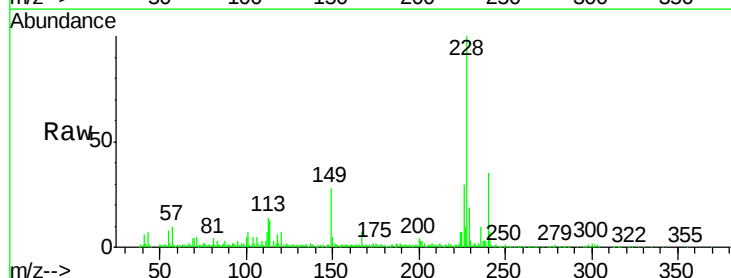
Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0-DUP

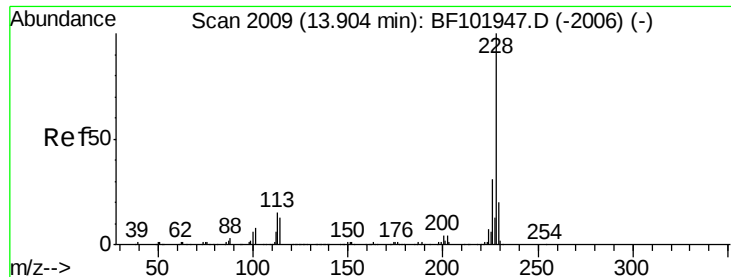
Tgt Ion: 244 Resp: 814830
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.3 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 8.642 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

Tgt Ion: 228 Resp: 162023
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 19.3 15.8 23.6





#82

Chrysene

Concen: 7.491 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

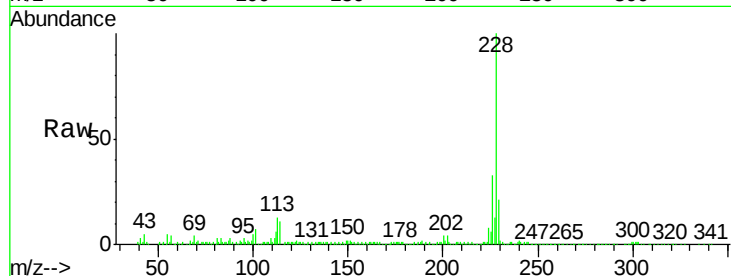
Tgt Ion:228 Resp: 146448

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

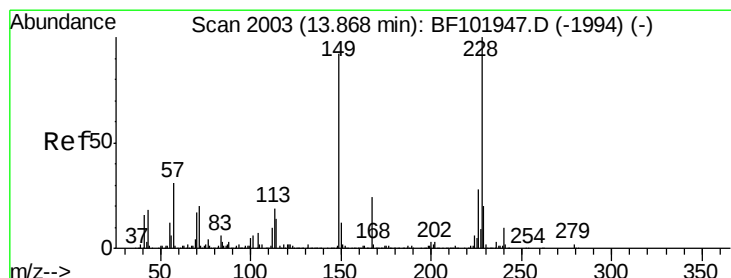
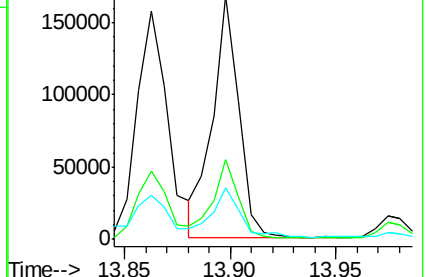
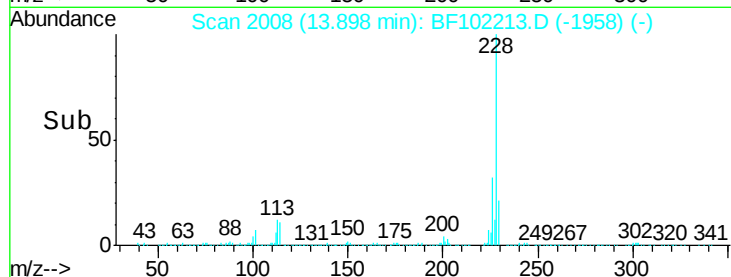
229 21.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.789 ng

RT: 13.86 min Scan# 2001

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

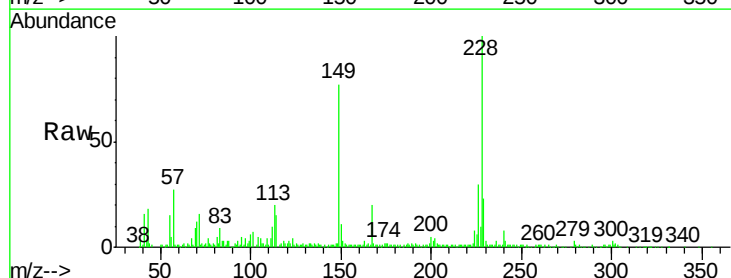
Tgt Ion:149 Resp: 65494

Ion Ratio Lower Upper

149 100

167 26.1 21.3 31.9

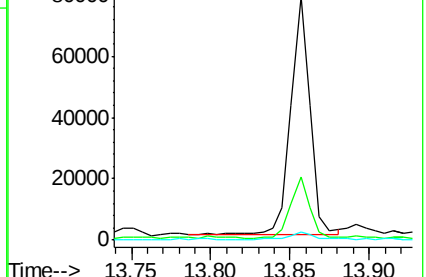
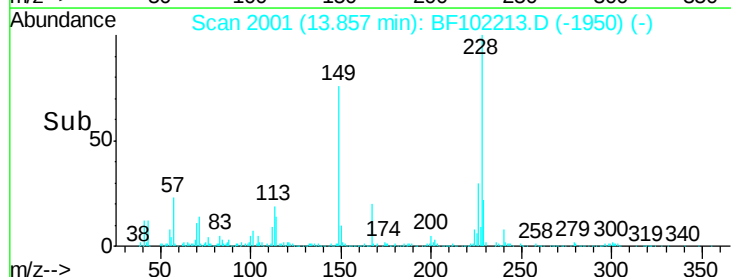
279 3.4 3.0 4.4

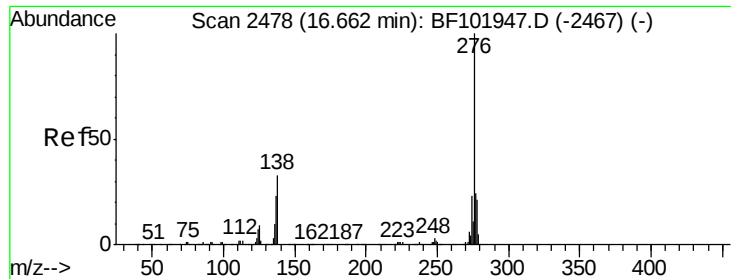


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

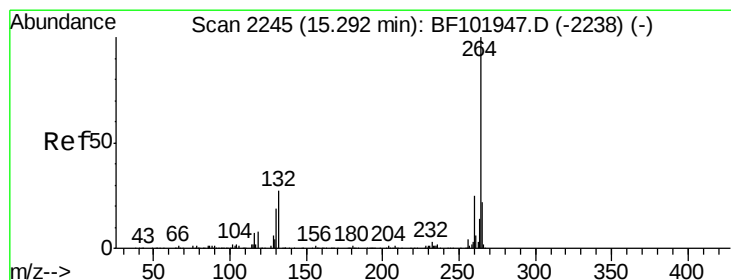
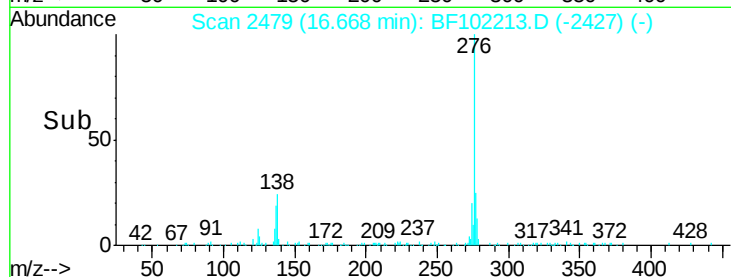
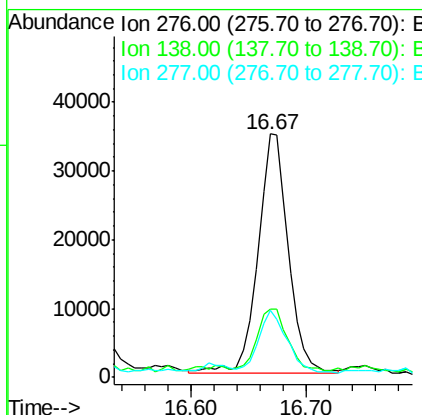
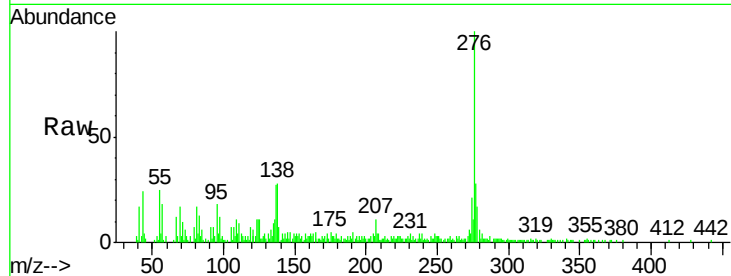




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.467 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. 0.01 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

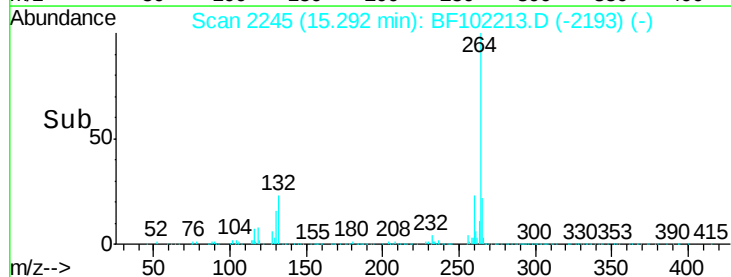
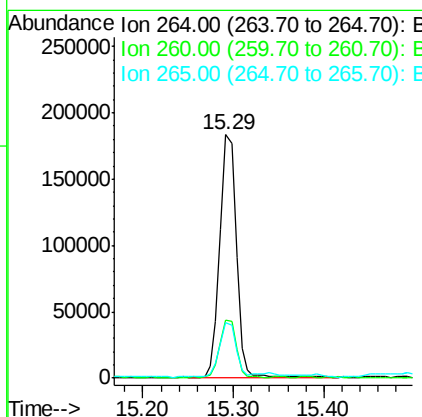
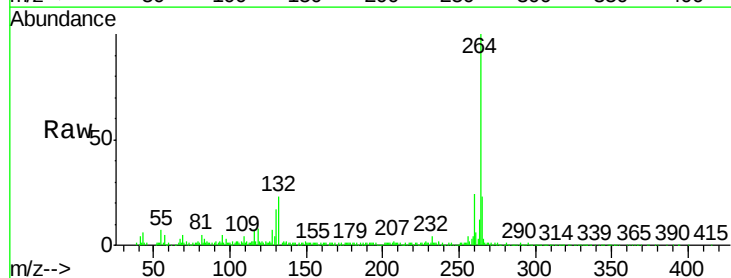
Instrument :
 BNA_F
 ClientSampleId :
 SB-57-0-2.0-DUP

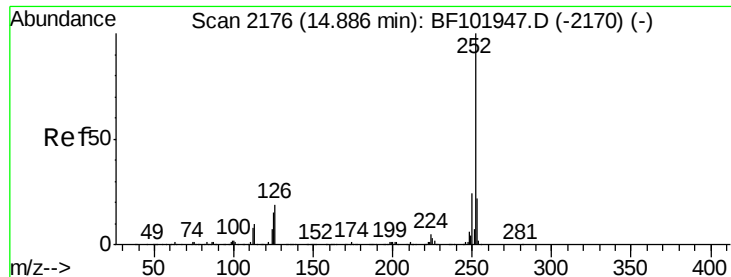
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	24.8	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: BF102213.D
 Acq: 19 Jan 2018 10:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.214 ng

RT: 14.89 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

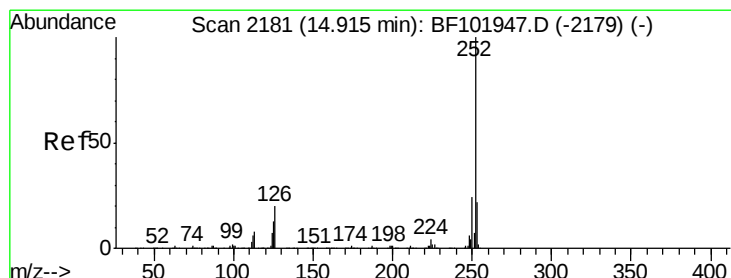
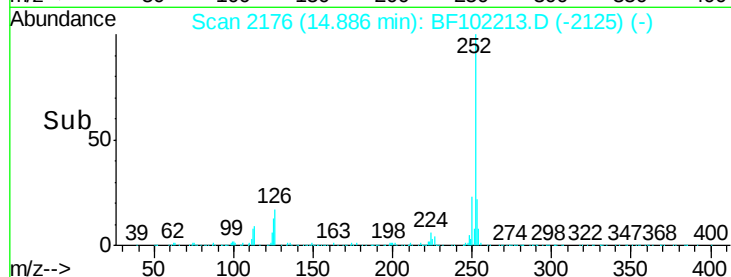
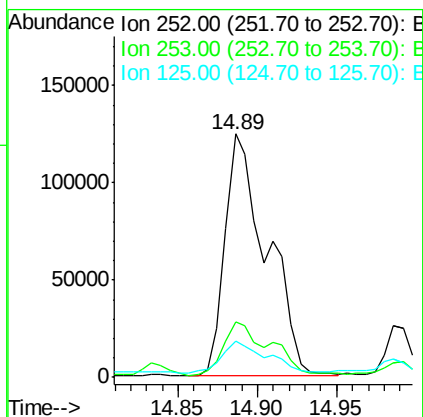
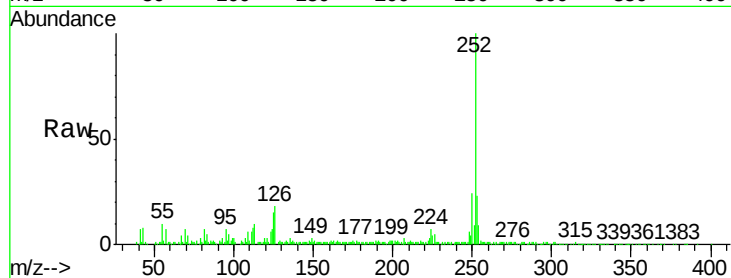
Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

Tgt Ion:	252	Resp:	229264
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	15.0	9.0	13.6#



#88

Benzo(k)fluoranthene

Concen: 15.771 ng

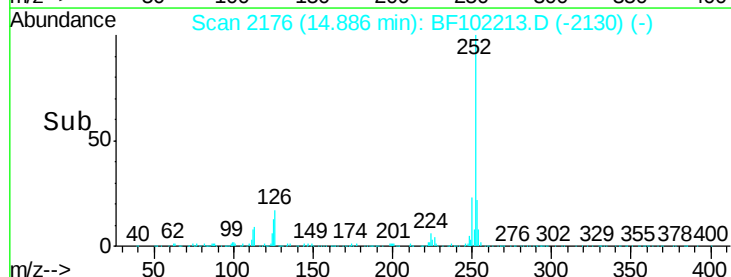
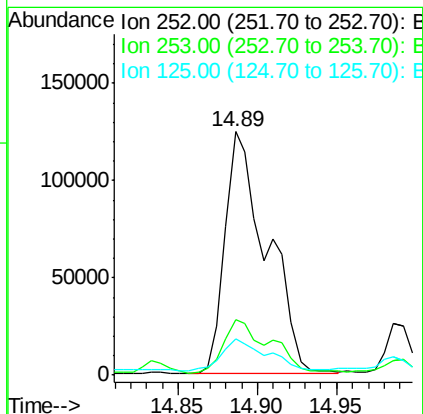
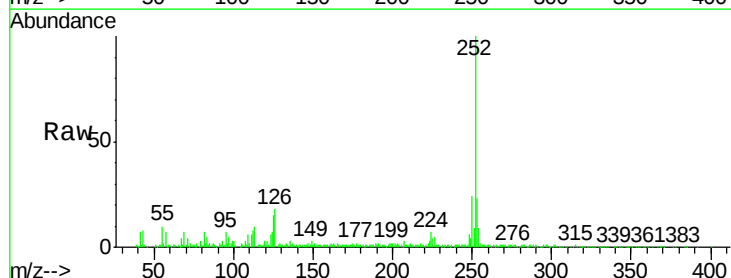
RT: 14.89 min Scan# 2176

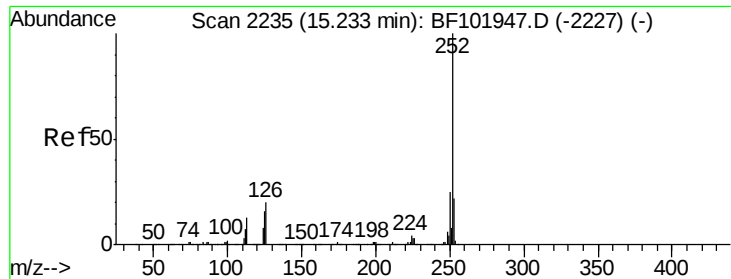
Delta R.T. -0.03 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Tgt Ion:	252	Resp:	229264
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.9	26.9
125	15.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 8.354 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

Instrument :

BNA_F

ClientSampleId :

SB-57-0-2.0-DUP

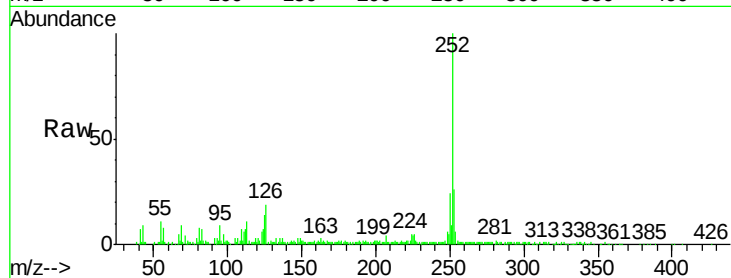
Tgt Ion:252 Resp: 113281

Ion Ratio Lower Upper

252 100

253 26.0 17.1 25.7#

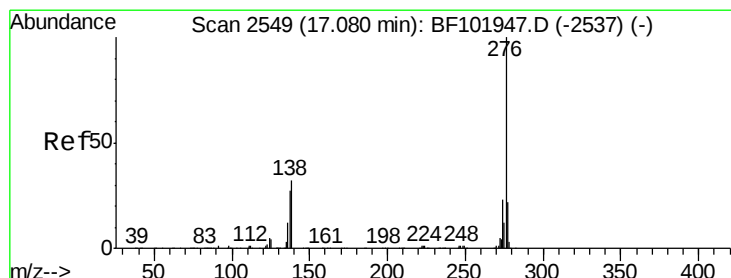
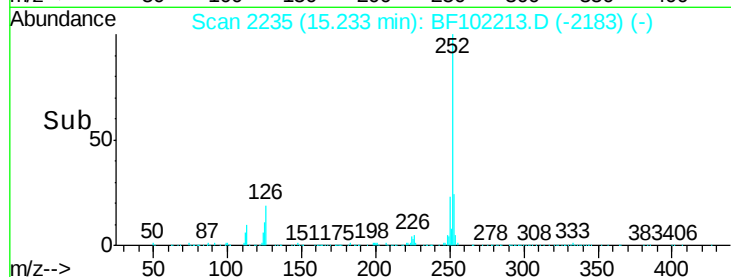
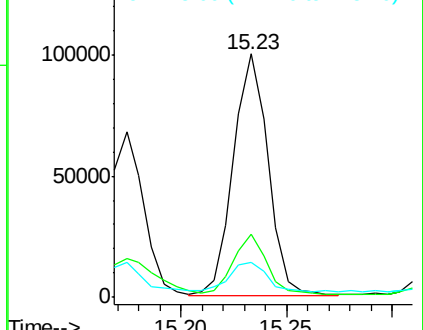
125 14.2 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 5.329 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BF102213.D

Acq: 19 Jan 2018 10:42

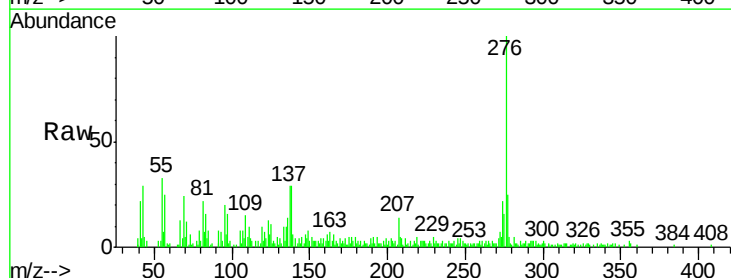
Tgt Ion:276 Resp: 58092

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 29.2 21.8 32.8



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

