

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071318\
 Data File : BF107386.D
 Acq On : 14 Jul 2018 00:56
 Operator : JU/SJ
 Sample : J3961-03 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

Quant Time: Jul 14 01:45:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 13 11:54:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	37123	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	131651	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	50091	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	59025	20.00	ng	0.02
75) Chrysene-d12	14.15	240	118286	20.00	ng	0.01
86) Perylene-d12	15.68	264	93929	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	10469	4.78	ng	0.02
7) Phenol-d6	6.60	99	12924	4.72	ng	0.02
23) Nitrobenzene-d5	7.50	82	6377	2.69	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	2380	4.10	ng	0.02
44) 2-Fluorobiphenyl	9.29	172	17747	-10.59	ng	0.00
78) Terphenyl-d14	13.08	244	19951	4.09	ng	0.02

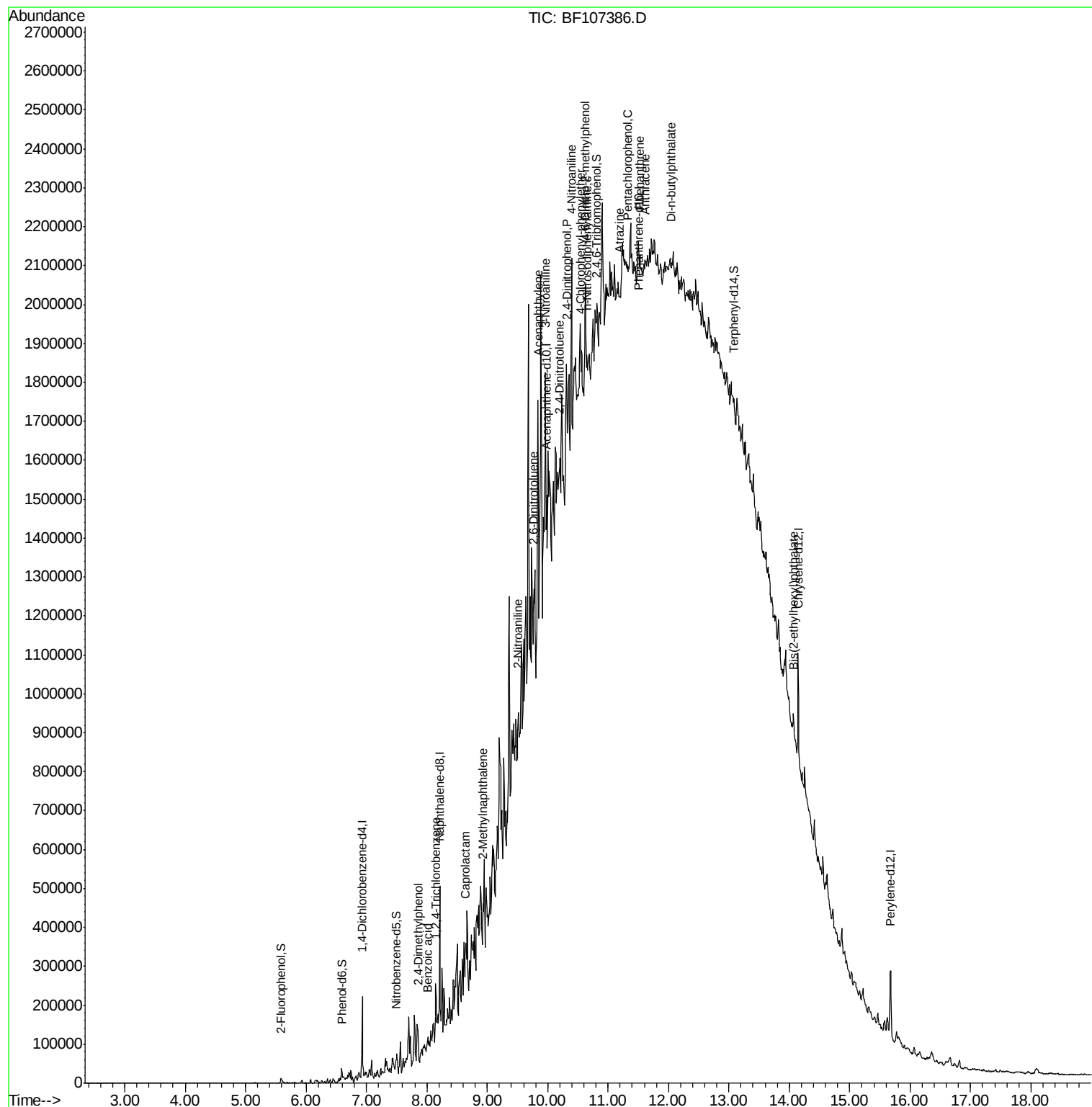
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	7.50	107	601	Below Cal		# 33
27) 2,4-Dimethylphenol	7.85	122	3856	2.185	ng	# 1
30) 1,2,4-Trichlorobenzene	8.15	180	4436	2.180	ng	# 94
32) Benzoic acid	8.01	122	648	6.176	ng	# 1
35) Caprolactam	8.65	113	1326	2.202	ng	# 1
37) 2-Methylnaphthalene	8.93	142	20639	5.059	ng	# 99
47) 2-Nitroaniline	9.51	65	2118	2.004	ng	# 58
48) Acenaphthylene	9.84	152	10288	2.074	ng	# 1
50) 2,6-Dinitrotoluene	9.77	165	8888	11.172	ng	# 38
52) 3-Nitroaniline	9.96	138	6270	6.849	ng	# 27
53) 2,4-Dinitrophenol	10.31	184	5523	17.812	ng	# 95
56) 2,4-Dinitrotoluene	10.18	165	6262	6.030	ng	# 47
60) 4-Chlorophenyl-phenylether	10.55	204	4714	2.654	ng	# 1
61) 4-Nitroaniline	10.40	138	9581	10.546	ng	# 79
64) 4,6-Dinitro-2-methylphenol	10.63	198	1046	2.867	ng	# 1
65) n-Nitrosodiphenylamine	10.65	169	25039	12.612	ng	# 44
68) Atrazine	11.20	200	1419	2.248	ng	# 1
69) Pentachlorophenol	11.32	266	3570	9.704	ng	# 29
70) Phenanthrene	11.52	178	29746	10.449	ng	# 68
71) Anthracene	11.62	178	7202	2.478	ng	# 1
73) Di-n-butylphthalate	12.04	149	22905	7.146	ng	# 53
83) Bis(2-ethylhexyl)phthalate	14.06	149	10586	2.582	ng	# 65

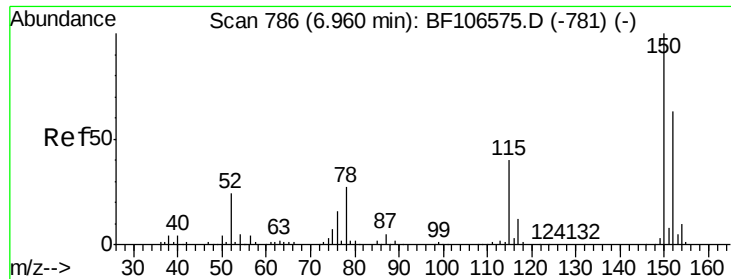
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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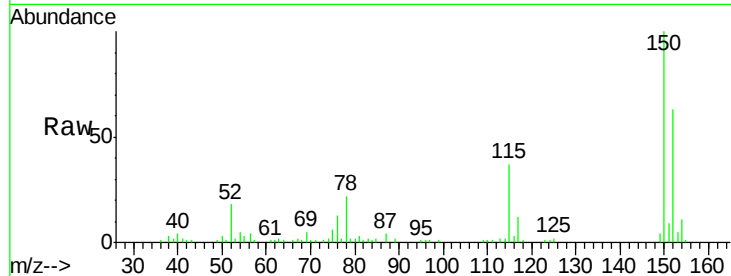


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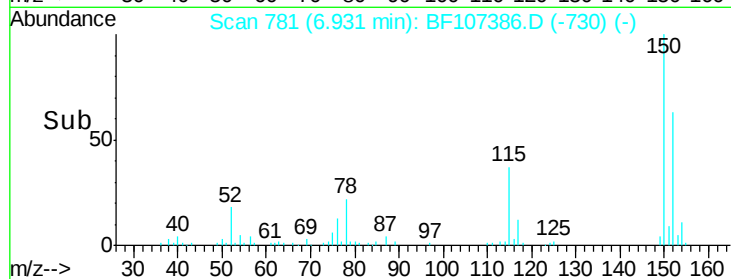
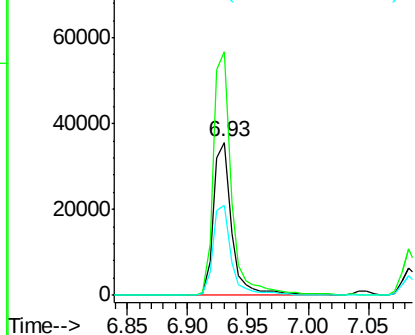
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Instrument :
BNA_F
ClientSampleId :
DRUM-2

Tgt Ion:152 Resp: 37123
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 58.6 50.1 75.1



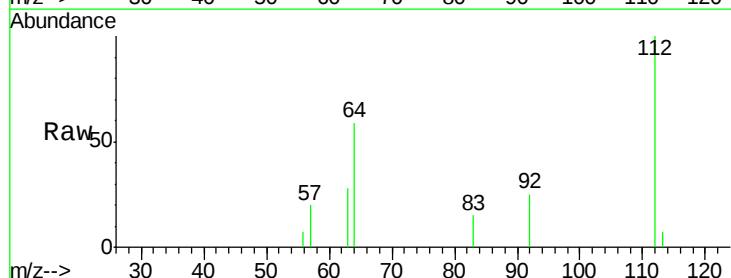
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



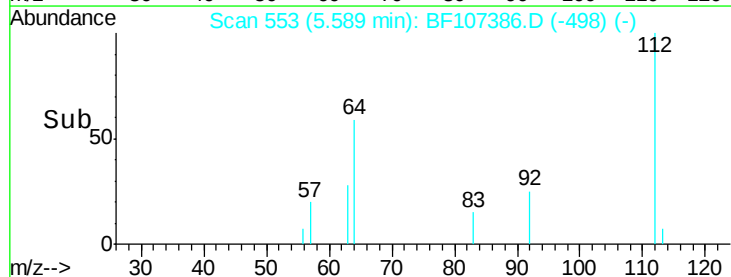
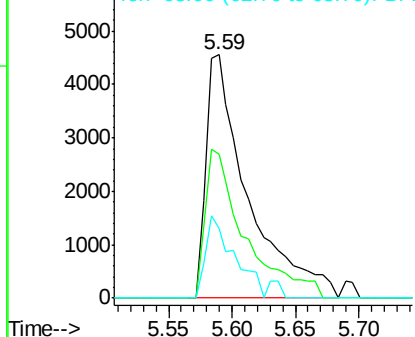
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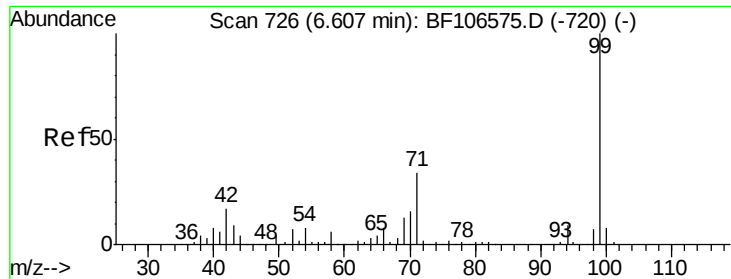
2-Fluorophenol
Concen: 4.775 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Tgt Ion:112 Resp: 10469
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 28.5 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: 4.721 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.02 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

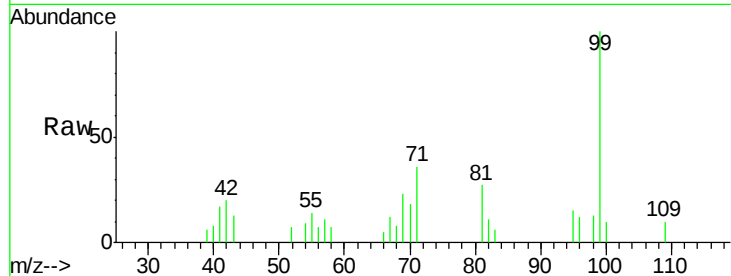
Tgt Ion: 99 Resp: 12924

Ion Ratio Lower Upper

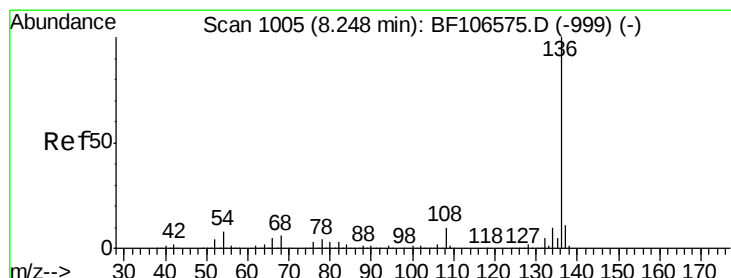
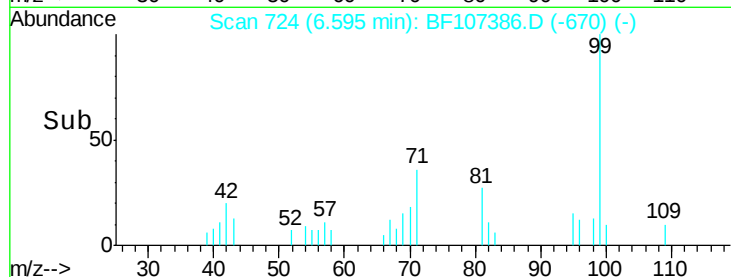
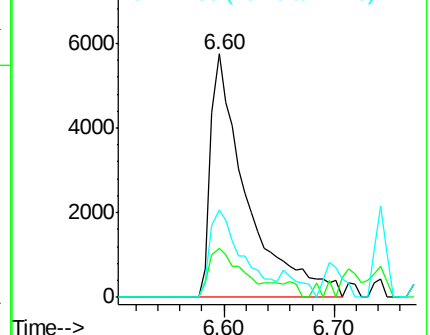
99 100

42 20.2 14.5 21.7

71 35.9 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Tgt Ion: 136 Resp: 131651

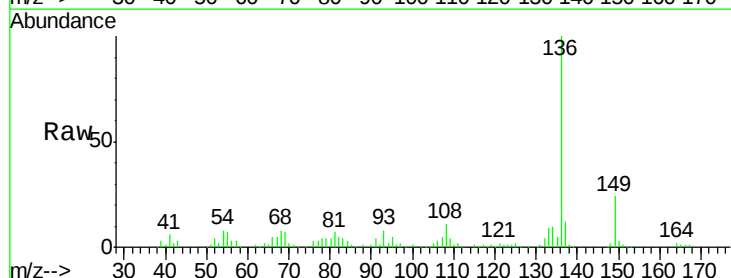
Ion Ratio Lower Upper

136 100

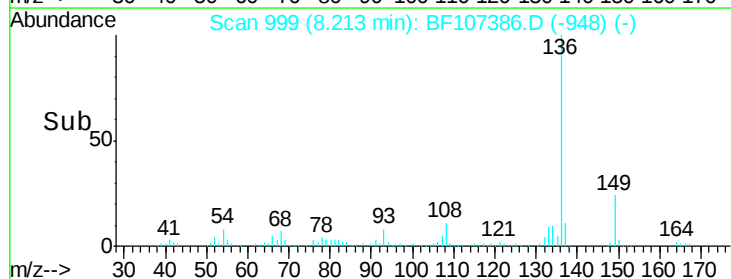
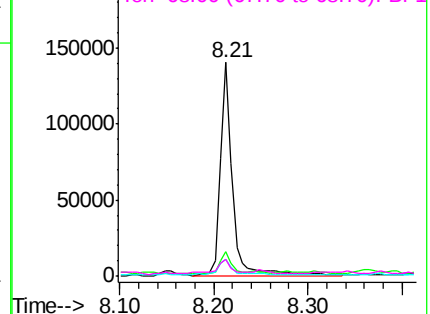
137 11.6 8.9 13.3

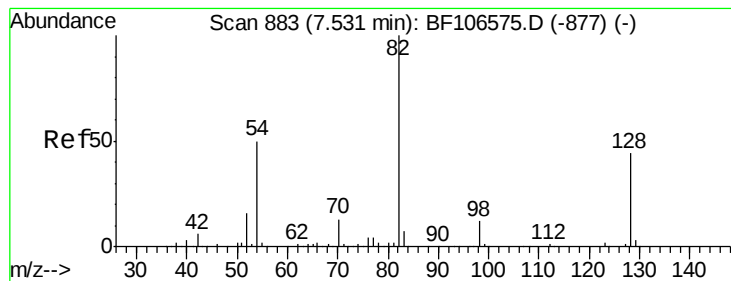
54 8.1 6.6 9.8

68 7.6 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: 2.692 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.00 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

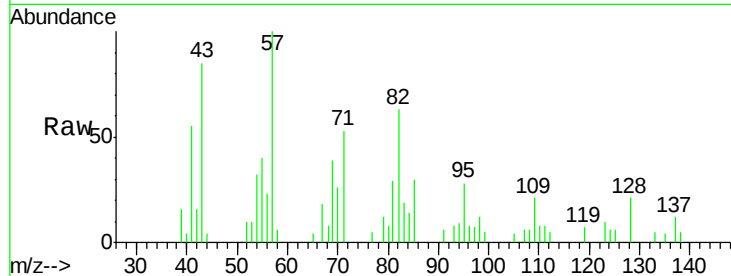
Tgt Ion: 82 Resp: 6377

Ion Ratio Lower Upper

82 100

128 33.1 36.1 54.1#

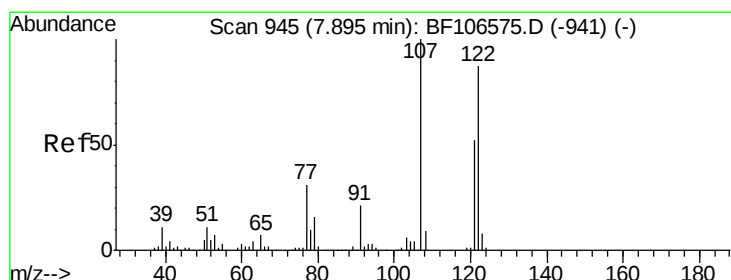
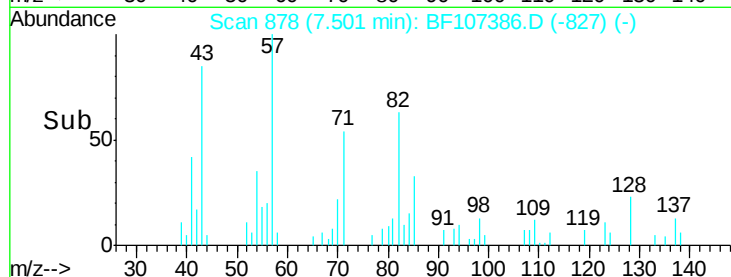
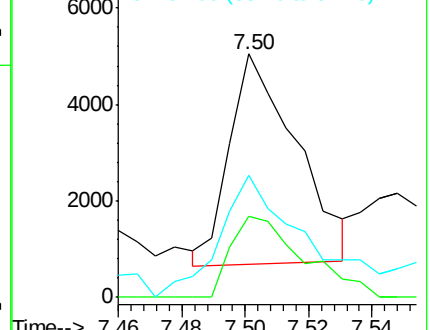
54 50.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#27

2,4-Dimethylphenol

Concen: 2.185 ng

RT: 7.85 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

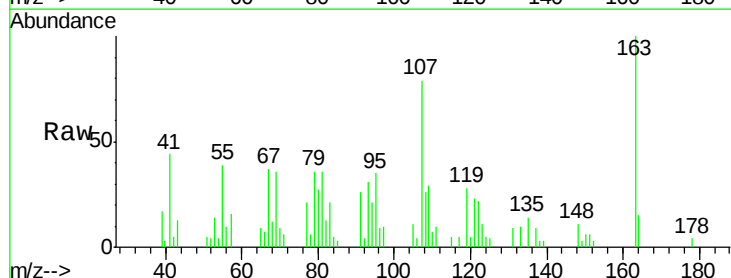
Tgt Ion: 122 Resp: 3856

Ion Ratio Lower Upper

122 100

107 361.9 91.2 136.8#

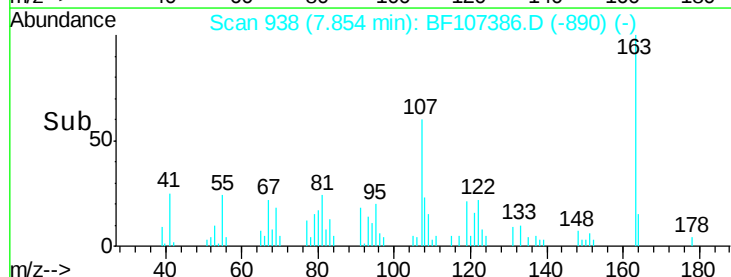
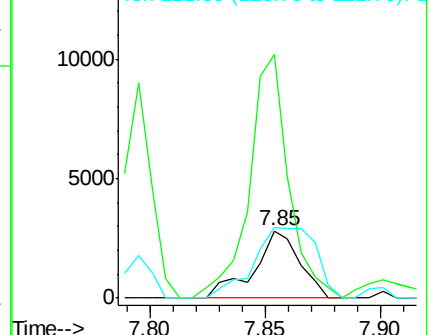
121 104.7 47.2 70.8#

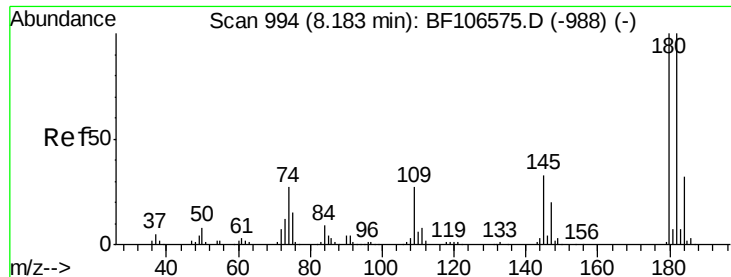


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1

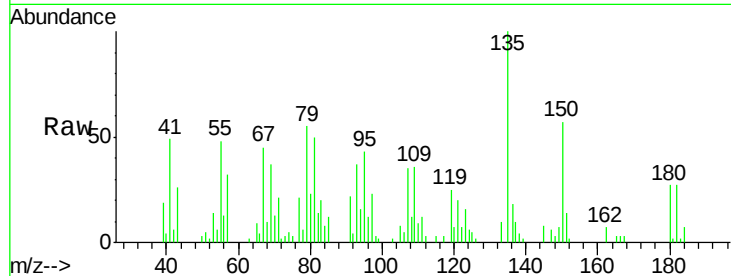




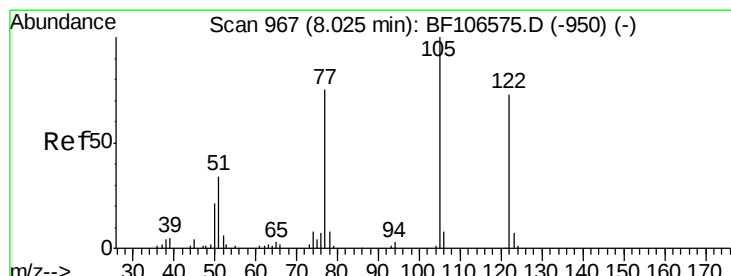
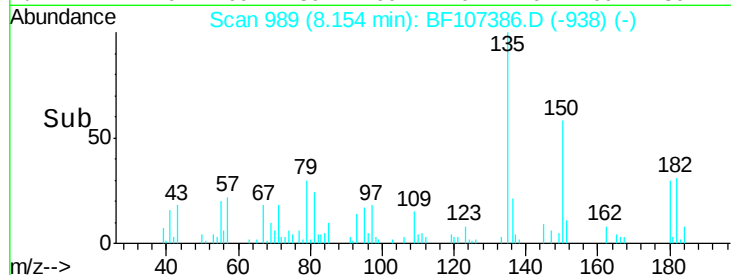
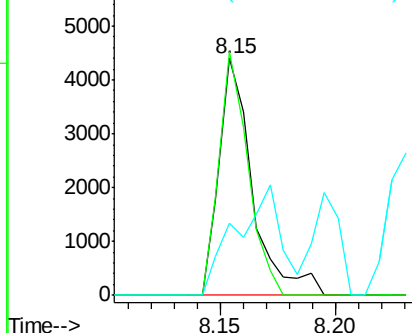
#30
 1,2,4-Trichlorobenzene
 Concen: 2.180 ng
 RT: 8.15 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

Tgt Ion:180 Resp: 4436
 Ion Ratio Lower Upper
 180 100
 182 102.7 76.8 115.2
 145 30.3 26.5 39.7

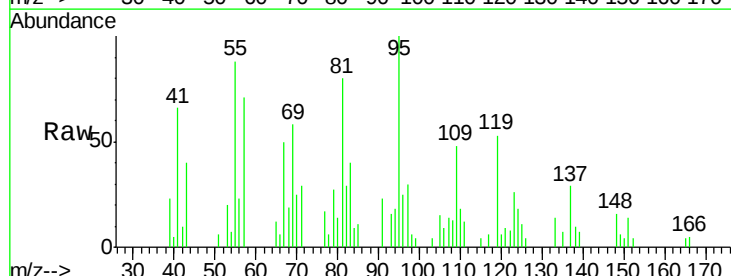


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

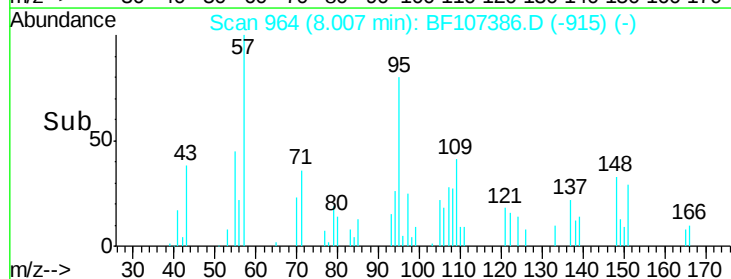
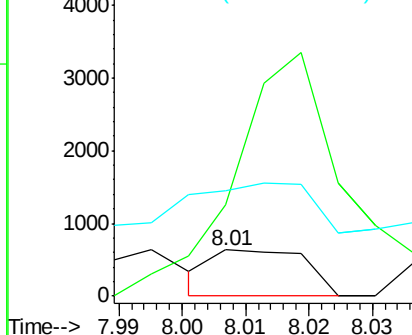


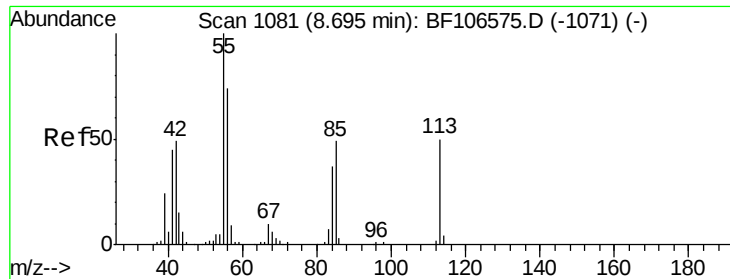
#32
 Benzoic acid
 Concen: 6.176 ng
 RT: 8.01 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Tgt Ion:122 Resp: 648
 Ion Ratio Lower Upper
 122 100
 105 197.5 101.1 141.1#
 77 229.5 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF1

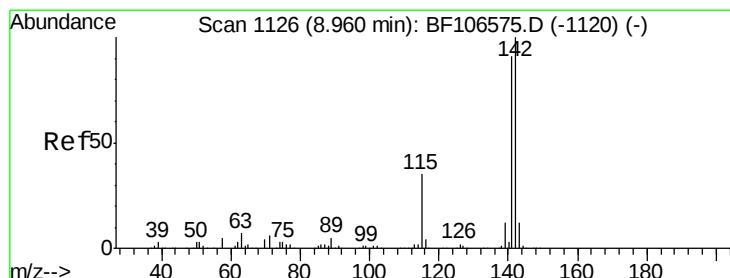
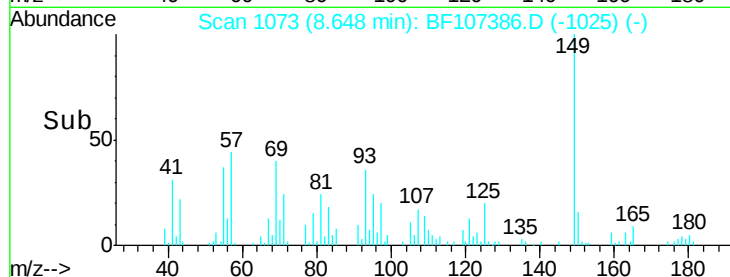
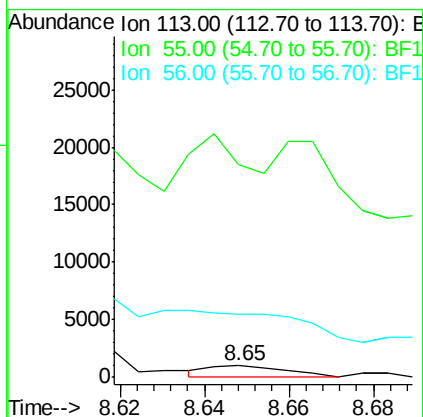
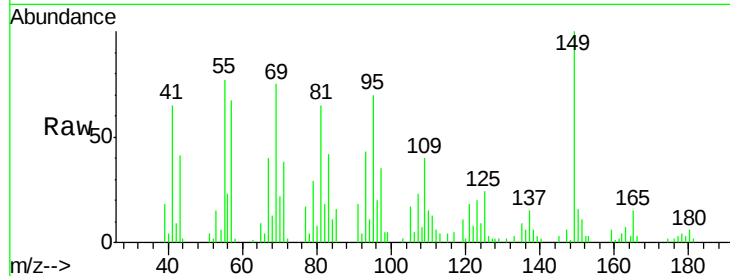




#35
 Caprolactam
 Concen: 2.202 ng
 RT: 8.65 min Scan# 1073
 Delta R.T. -0.02 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

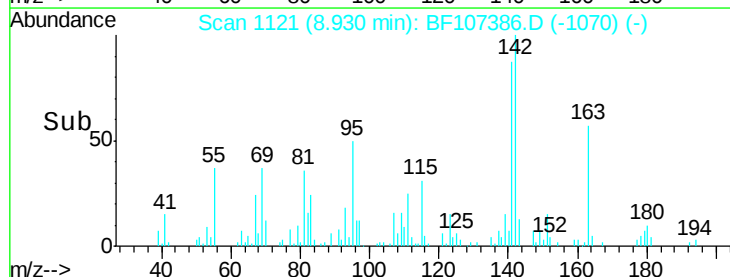
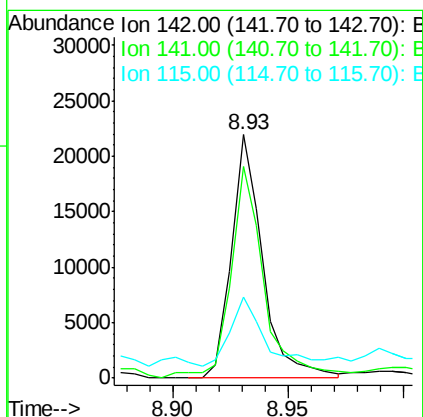
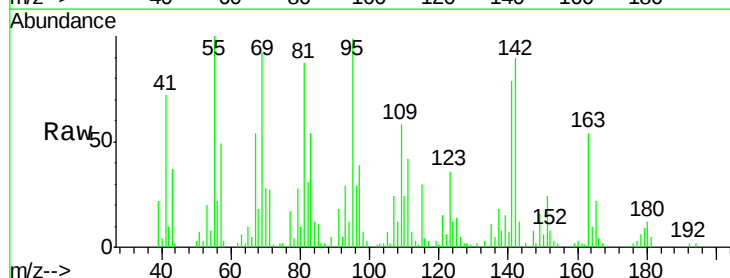
Instrument :
 BNA_F
 ClientSampled :
 DRUM-2

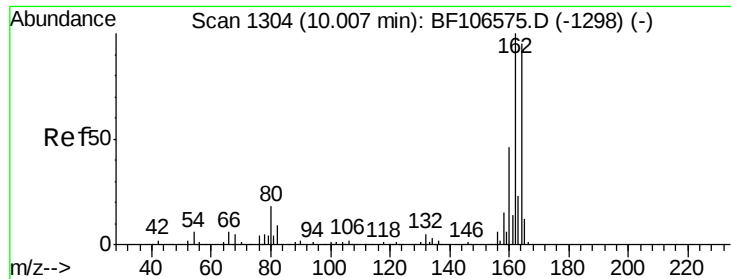
Tgt Ion:113 Resp: 1326
 Ion Ratio Lower Upper
 113 100
 55 1829.1 163.3 203.3#
 56 539.4 115.7 155.7#



#37
 2-Methylnaphthalene
 Concen: 5.059 ng
 RT: 8.93 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Tgt Ion:142 Resp: 20639
 Ion Ratio Lower Upper
 142 100
 141 87.0 70.8 106.2
 115 33.3 26.1 39.1

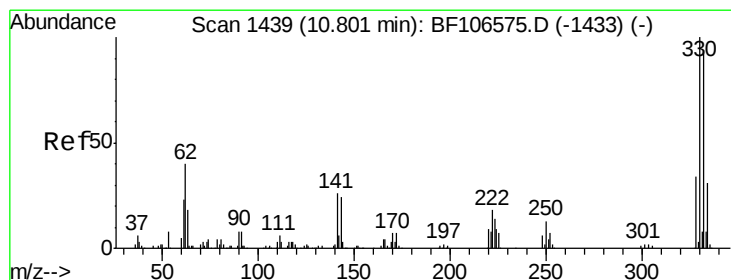
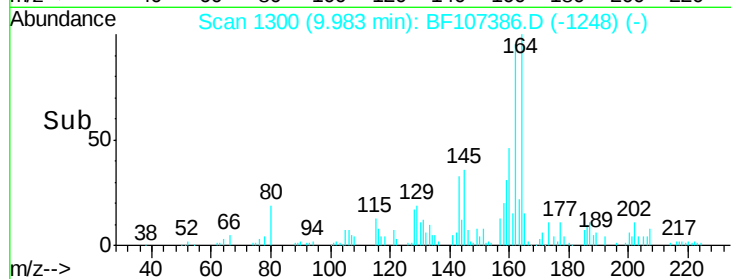
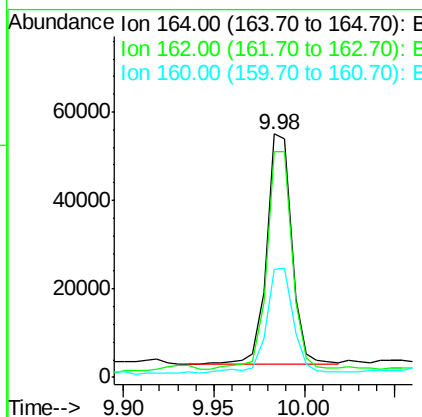
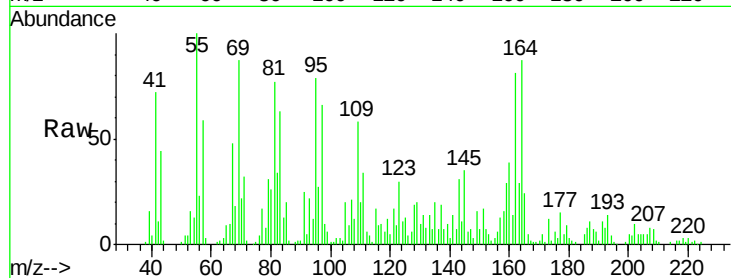




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

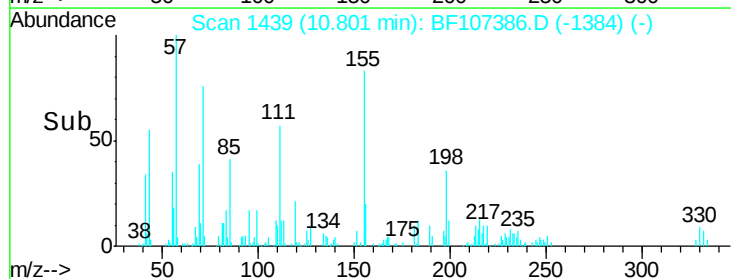
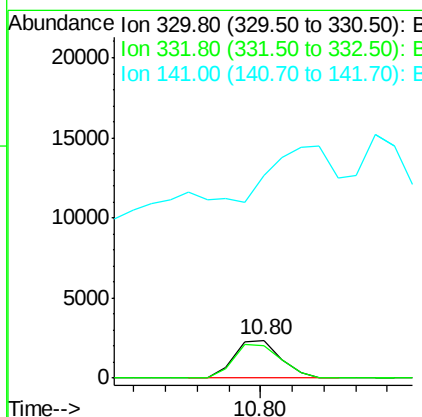
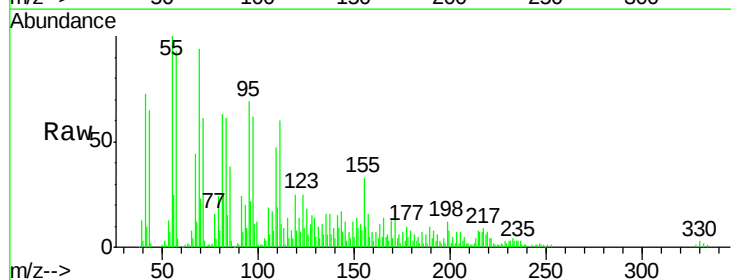
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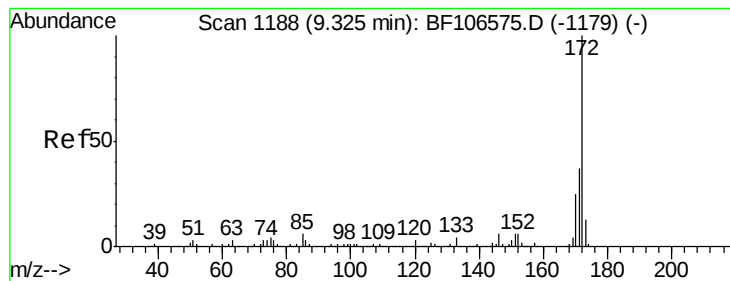
Tgt Ion:164 Resp: 50091
Ion Ratio Lower Upper
164 100
162 92.7 86.1 129.1
160 44.4 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 4.099 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.02 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Tgt Ion:330 Resp: 2380
Ion Ratio Lower Upper
330 100
332 93.3 77.0 115.6
141 0.0 29.9 44.9#

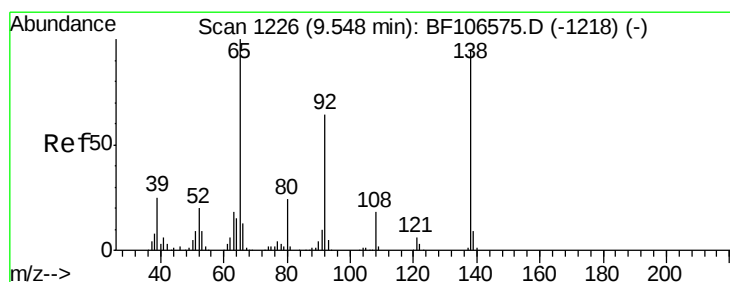
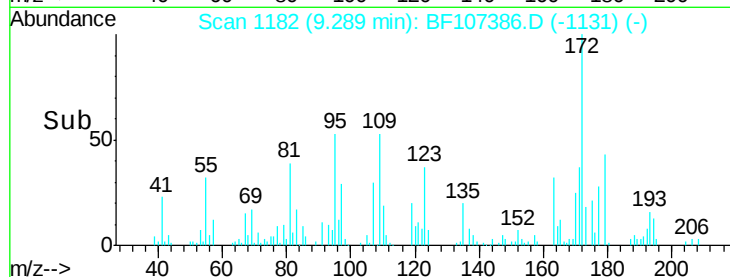
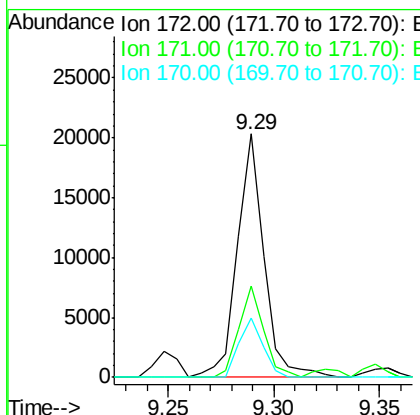
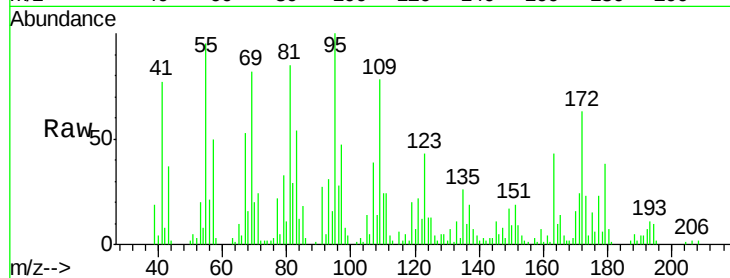




#44
 2-Fluorobiphenyl
 Concen: -10.592 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

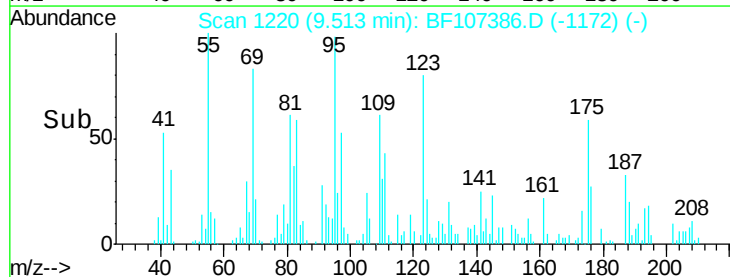
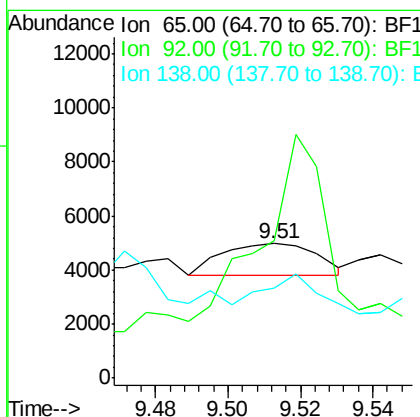
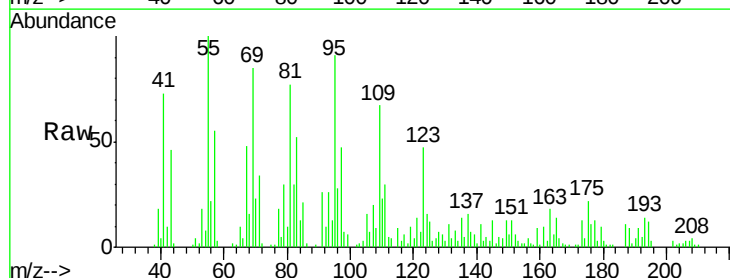
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

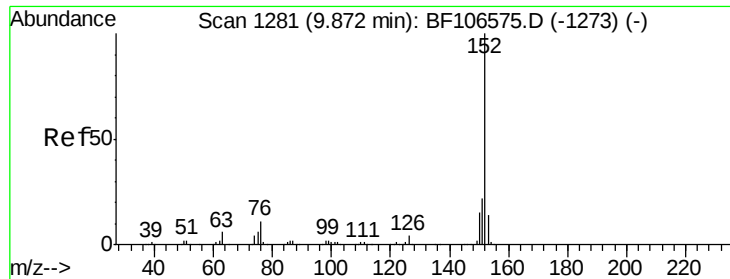
Tgt Ion: 172 Resp: 17747
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.7 44.5
 170 24.5 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.004 ng
 RT: 9.51 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Tgt Ion: 65 Resp: 2118
 Ion Ratio Lower Upper
 65 100
 92 101.8 55.8 83.6#
 138 67.0 91.2 136.8#





#48

Acenaphthylene

Concen: 2.074 ng

RT: 9.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

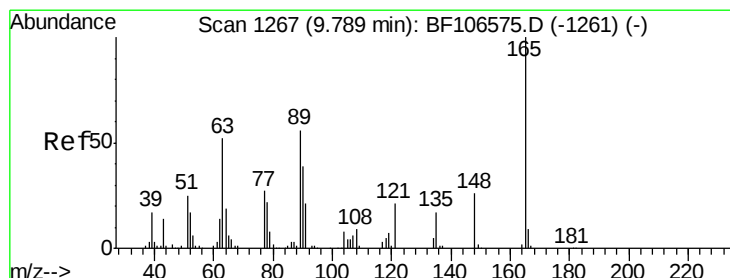
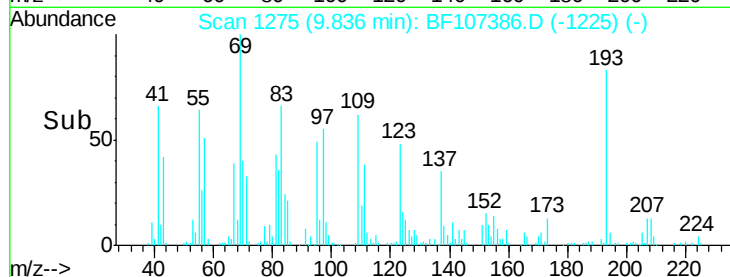
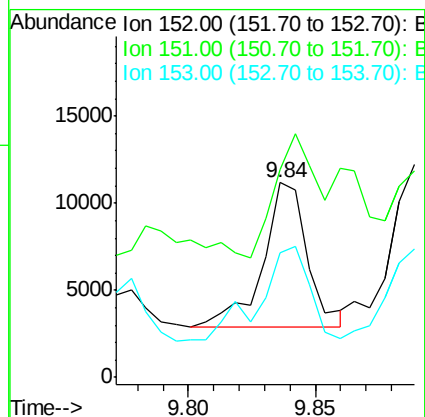
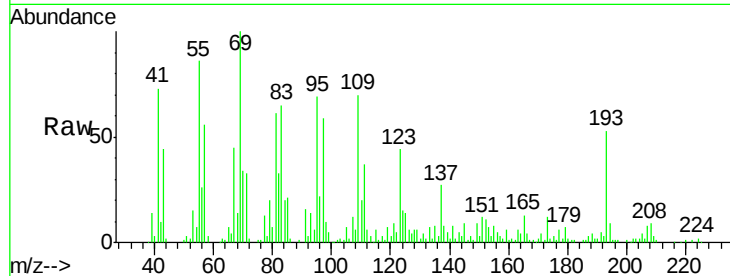
Tgt Ion:152 Resp: 10288

Ion Ratio Lower Upper

152 100

151 106.8 16.3 24.5#

153 64.1 10.7 16.1#



#50

2,6-Dinitrotoluene

Concen: 11.172 ng

RT: 9.77 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

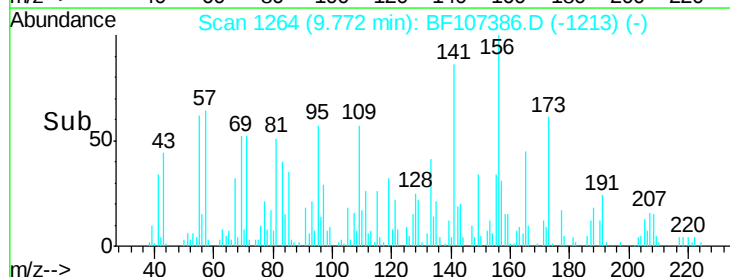
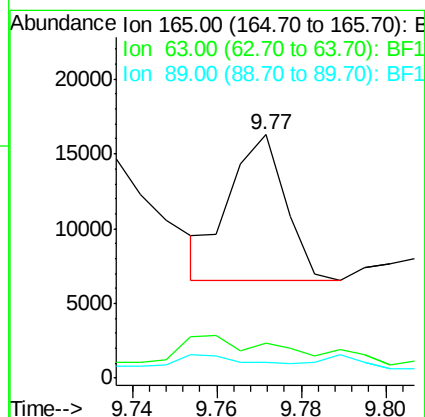
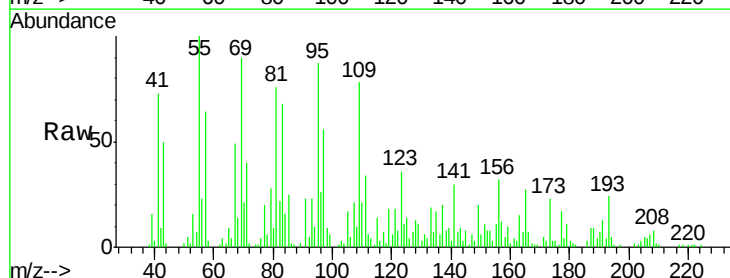
Tgt Ion:165 Resp: 8888

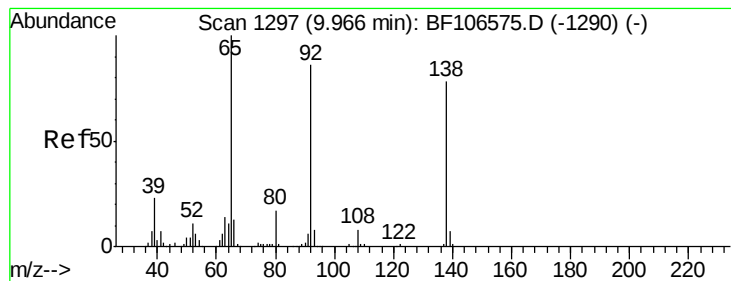
Ion Ratio Lower Upper

165 100

63 14.6 44.7 67.1#

89 6.4 44.0 66.0#





#52

3-Nitroaniline

Concen: 6.849 ng

RT: 9.96 min Scan# 1296

Delta R.T. 0.01 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

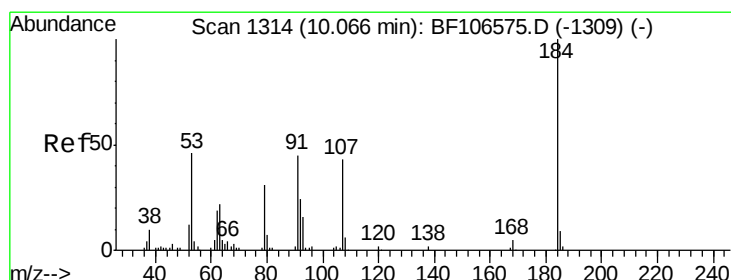
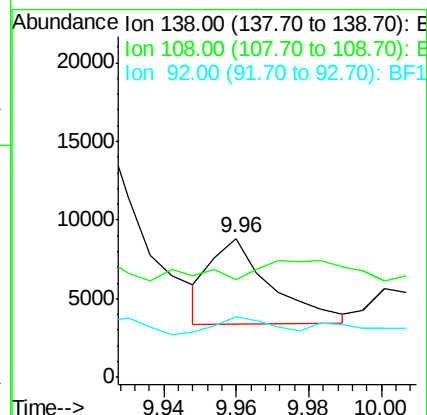
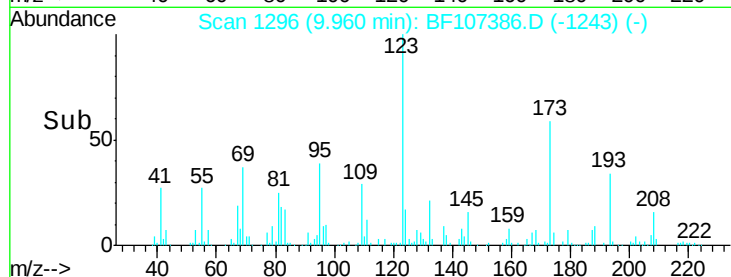
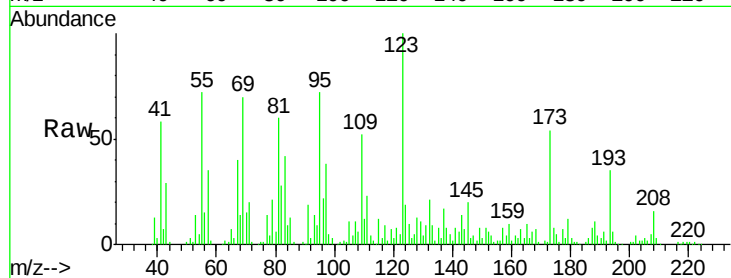
Tgt Ion:138 Resp: 6270

Ion Ratio Lower Upper

138 100

108 70.5 9.4 14.0#

92 43.2 89.4 134.2#



#53

2,4-Dinitrophenol

Concen: 17.812 ng

RT: 10.31 min Scan# 1355

Delta R.T. 0.24 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

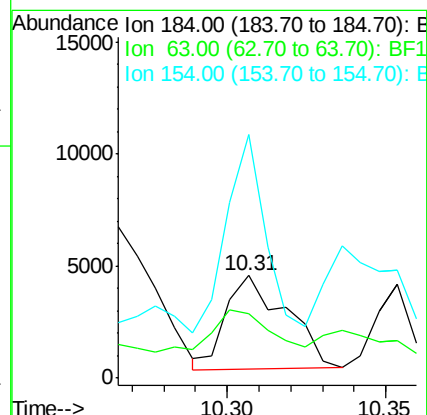
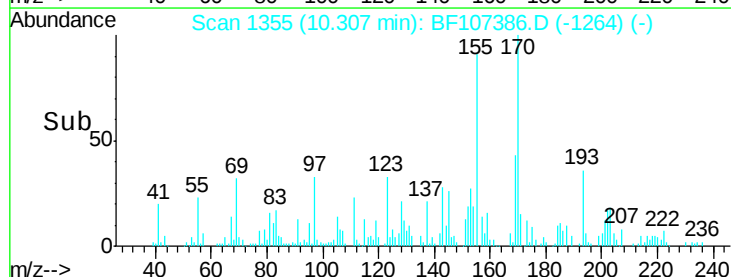
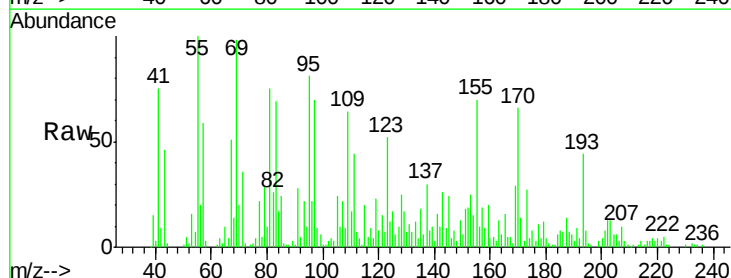
Tgt Ion:184 Resp: 5523

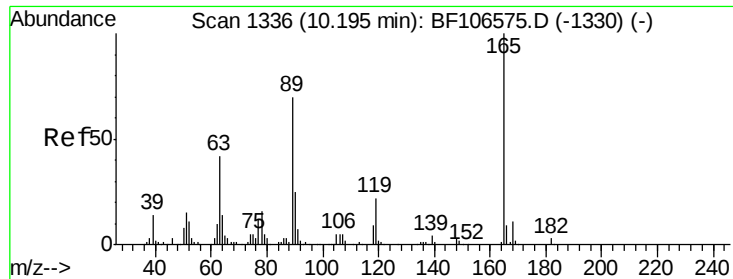
Ion Ratio Lower Upper

184 100

63 63.3 54.2 81.2

154 237.3 184.0 276.0

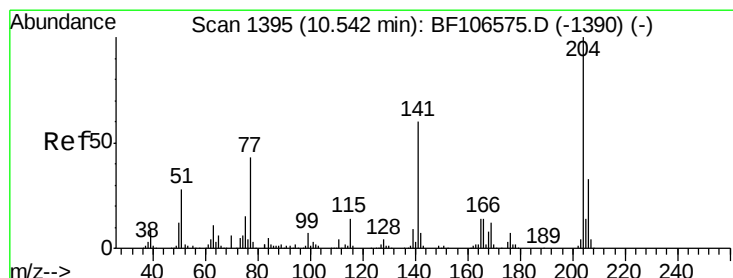
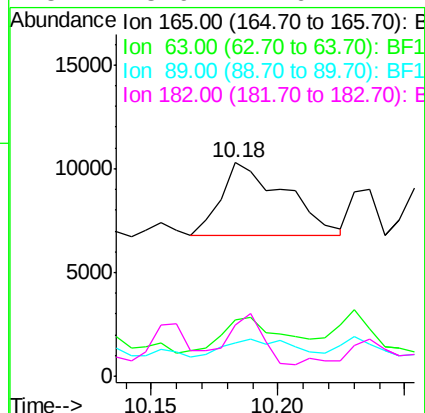
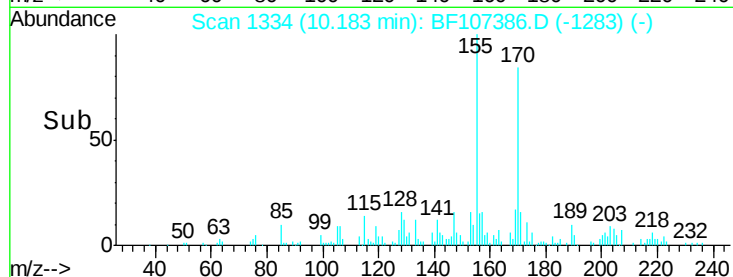
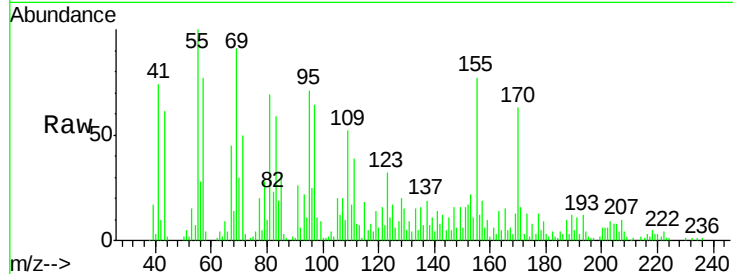




#56
 2,4-Dinitrotoluene
 Concen: 6.030 ng
 RT: 10.18 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

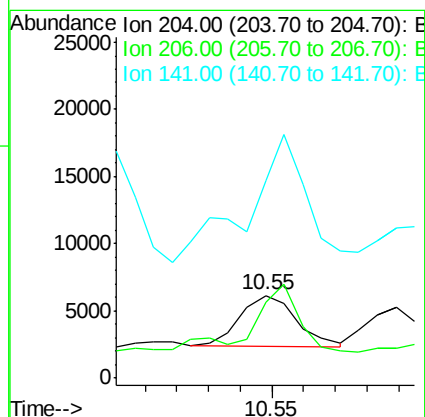
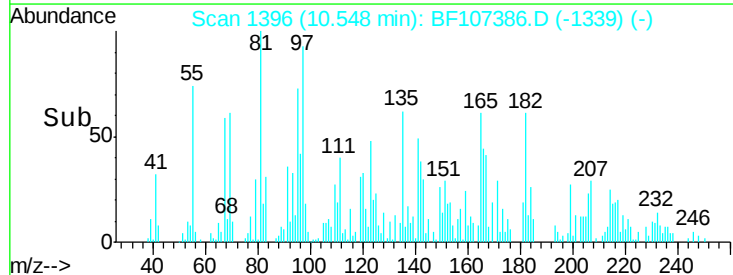
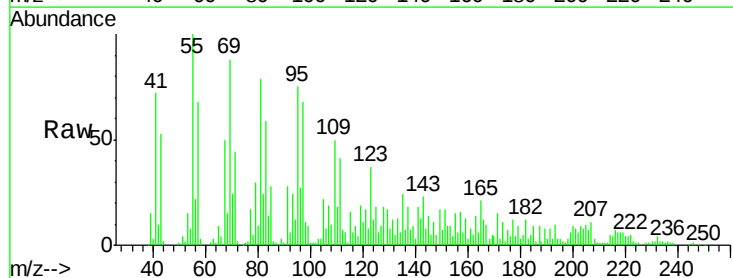
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

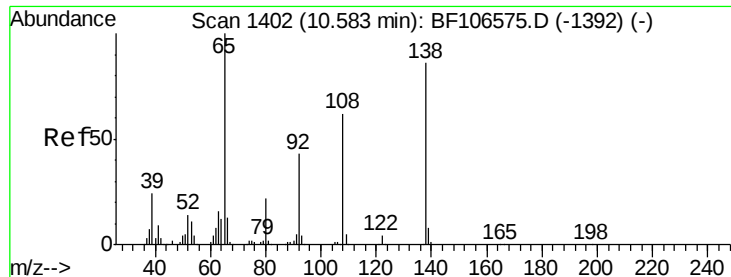
Tgt Ion:165 Resp: 6262
 Ion Ratio Lower Upper
 165 100
 63 26.3 36.4 54.6#
 89 15.3 57.8 86.6#
 182 23.9 1.6 2.4#



#60
 4-Chlorophenyl-phenylether
 Concen: 2.654 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. 0.04 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Tgt Ion:204 Resp: 4714
 Ion Ratio Lower Upper
 204 100
 206 91.9 26.5 39.7#
 141 238.4 54.6 81.8#

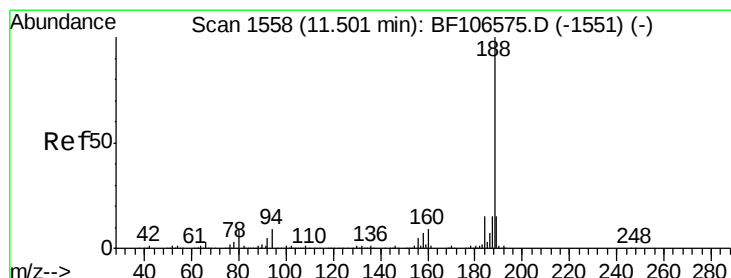
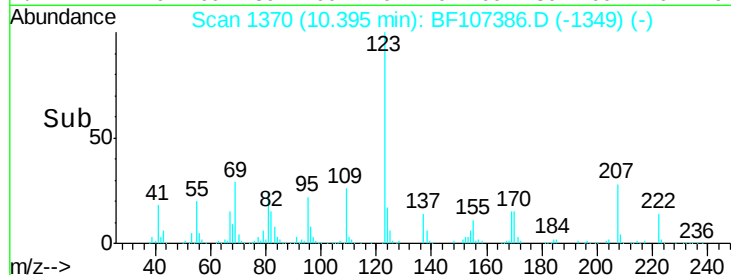
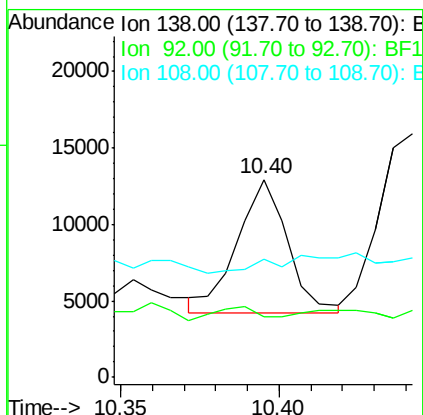
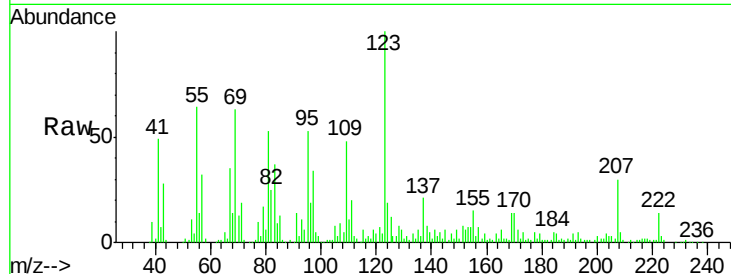




#61
4-Nitroaniline
Concen: 10.546 ng
RT: 10.40 min Scan# 1370
Delta R.T. -0.18 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

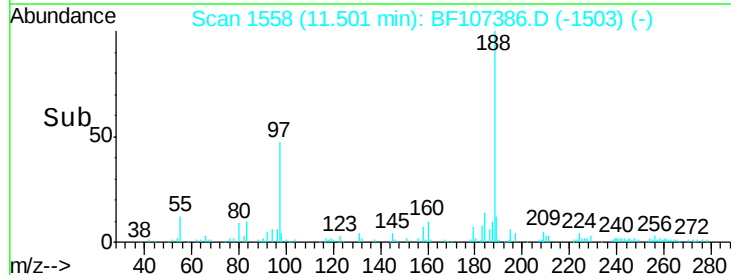
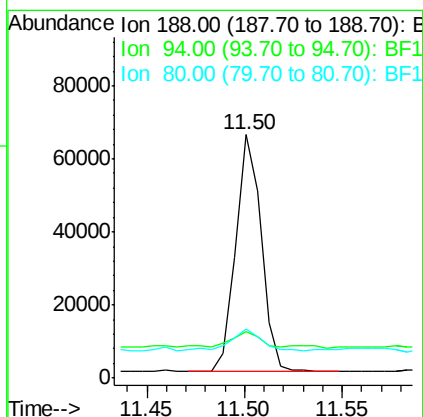
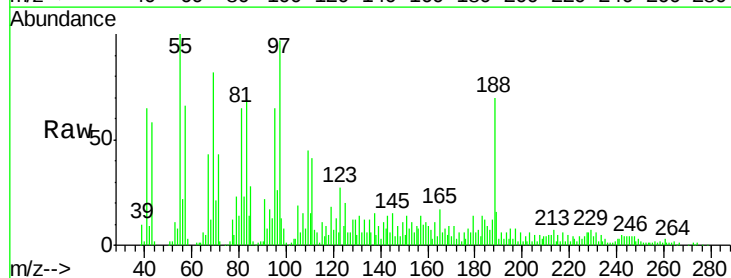
Instrument :
BNA_F
ClientSampleId :
DRUM-2

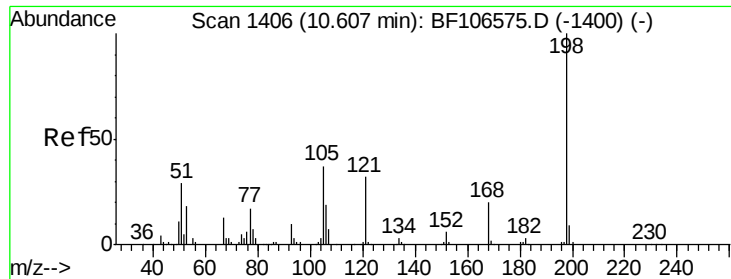
Tgt Ion:138 Resp: 9581
Ion Ratio Lower Upper
138 100
92 30.7 30.2 70.2
108 59.8 52.5 92.5



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.02 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Tgt Ion:188 Resp: 59025
Ion Ratio Lower Upper
188 100
94 19.0 8.5 12.7#
80 20.4 9.2 13.8#

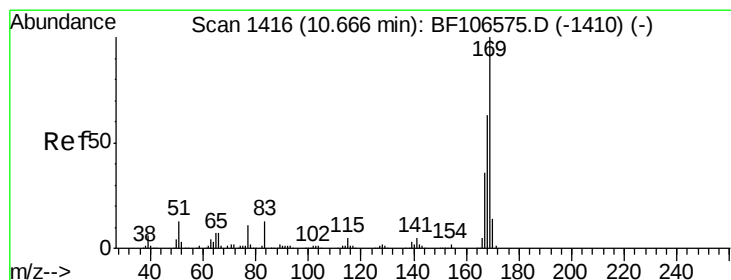
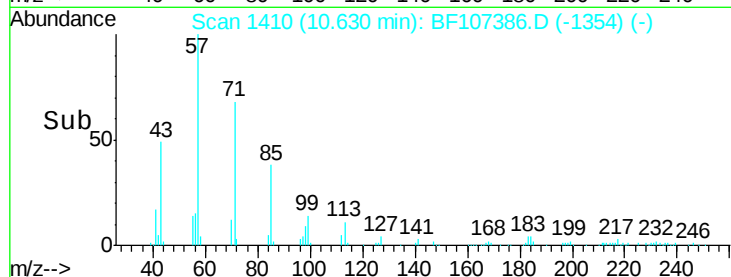
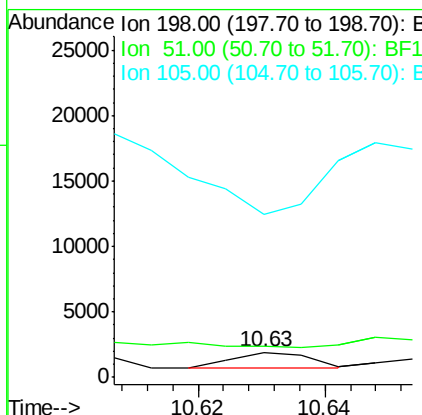
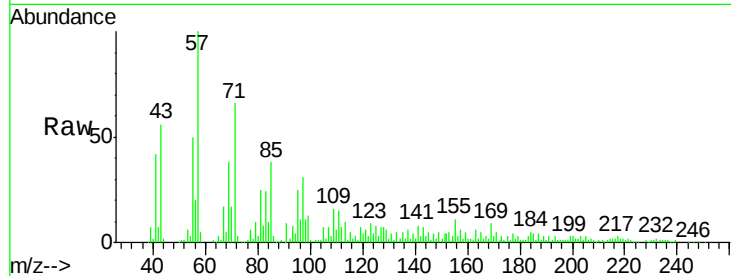




#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.867 ng
 RT: 10.63 min Scan# 1410
 Delta R.T. 0.03 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

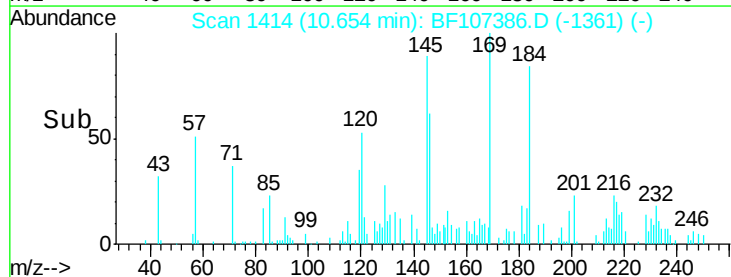
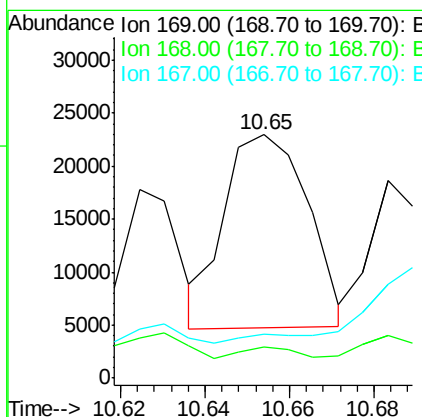
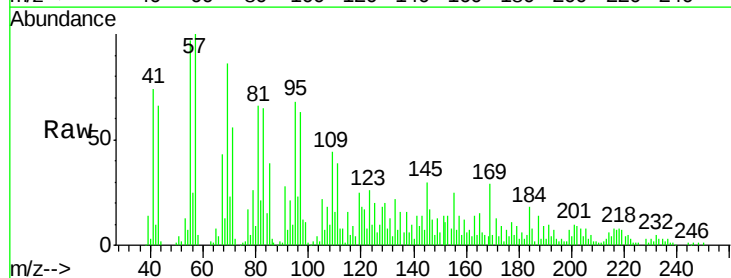
Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

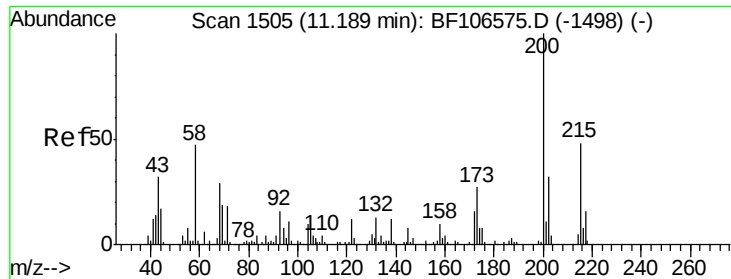
Tgt Ion:198 Resp: 1046
 Ion Ratio Lower Upper
 198 100
 51 127.1 37.7 77.7#
 105 658.5 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 12.612 ng
 RT: 10.65 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Tgt Ion:169 Resp: 25039
 Ion Ratio Lower Upper
 169 100
 168 12.6 54.4 81.6#
 167 17.8 29.8 44.6#

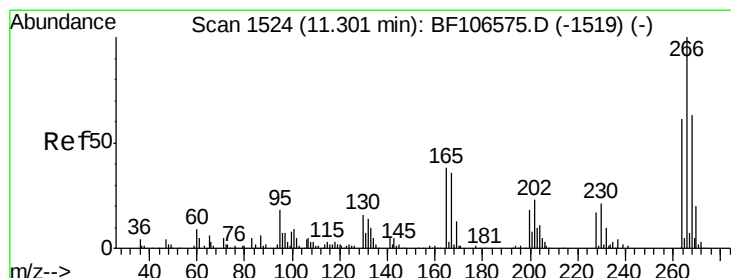
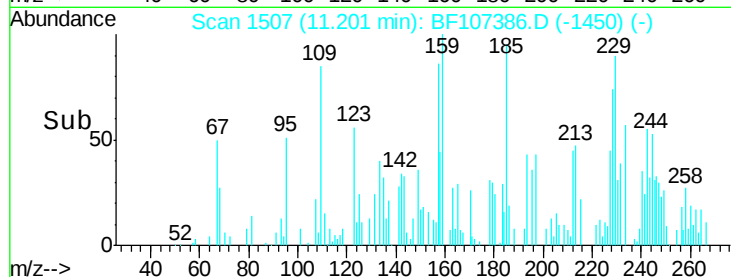
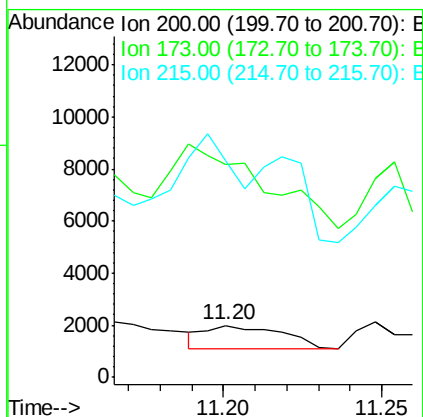
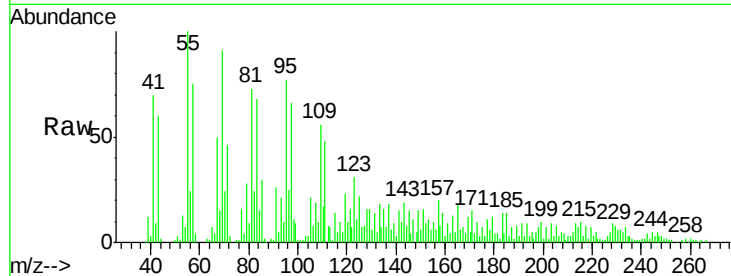




#68
Atrazine
Concen: 2.248 ng
RT: 11.20 min Scan# 1507
Delta R.T. 0.04 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

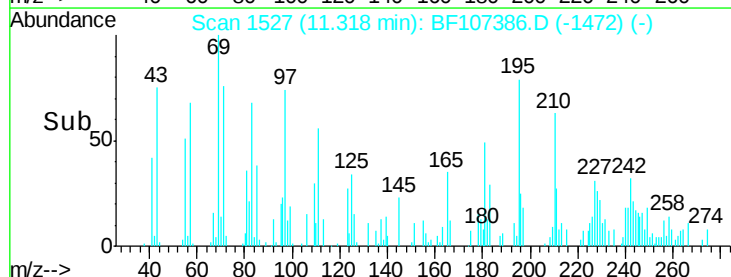
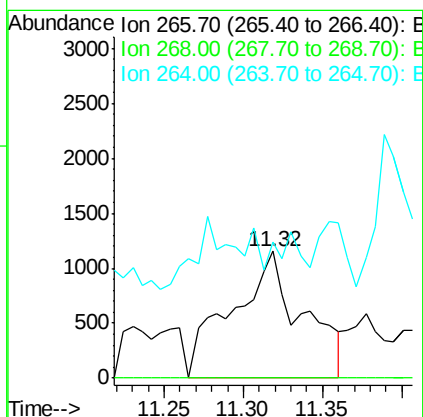
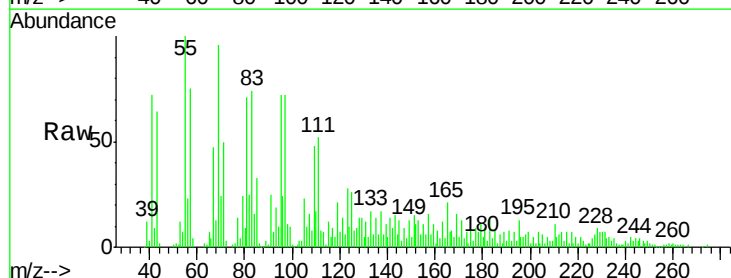
Instrument :
BNA_F
ClientSampleId :
DRUM-2

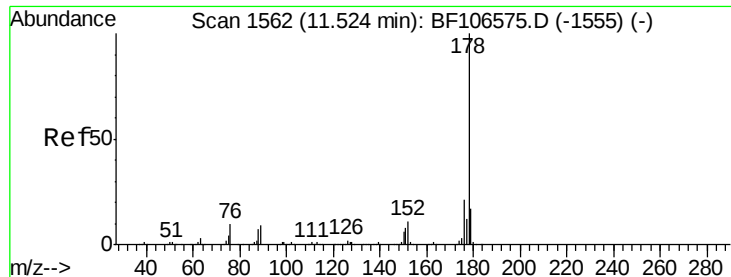
Tgt Ion: 200 Resp: 1419
Ion Ratio Lower Upper
200 100
173 409.1 8.6 48.6#
215 416.0 25.1 65.1#



#69
Pentachlorophenol
Concen: 9.704 ng
RT: 11.32 min Scan# 1527
Delta R.T. 0.02 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Tgt Ion: 266 Resp: 3570
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 107.5 49.5 74.3#

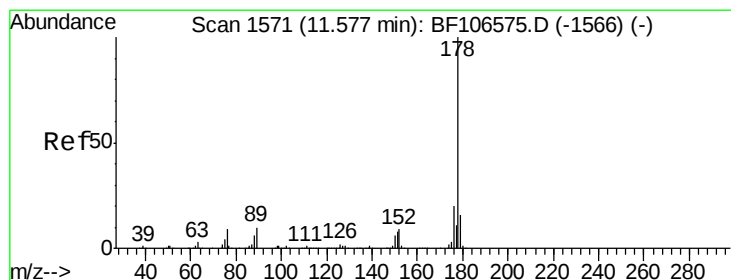
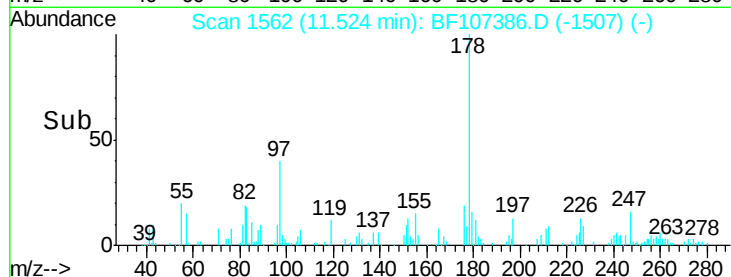
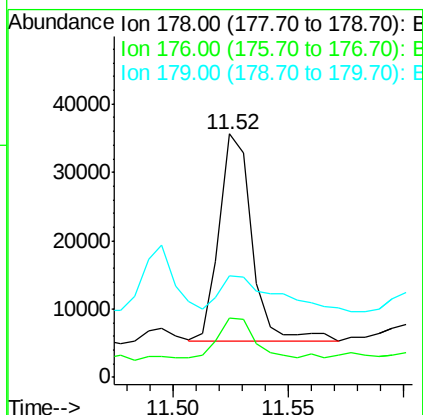
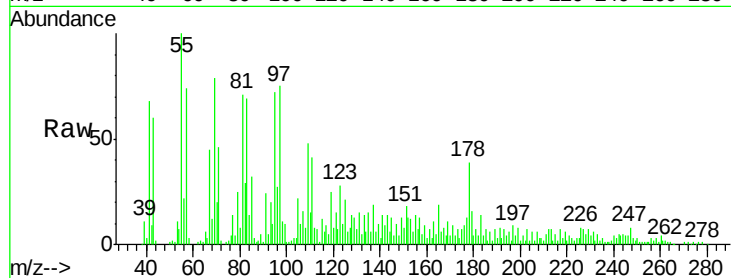




#70
Phenanthrene
Concen: 10.449 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.02 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

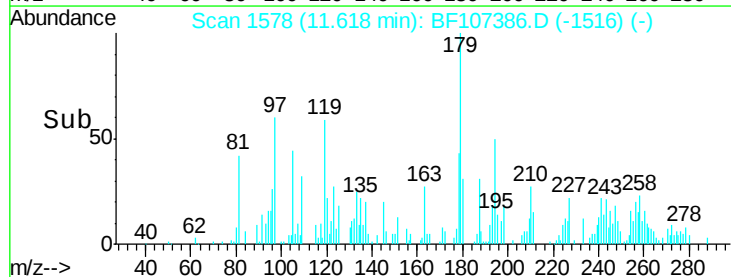
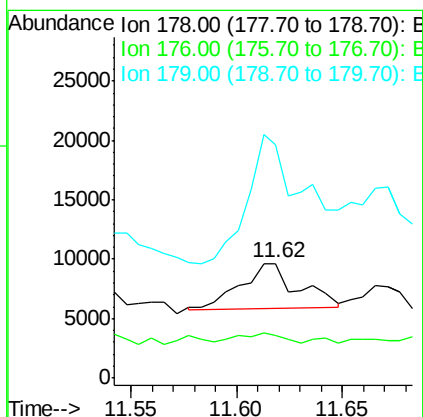
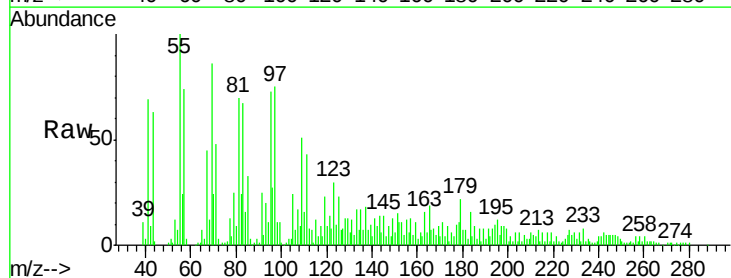
Instrument :
BNA_F
ClientSampleId :
DRUM-2

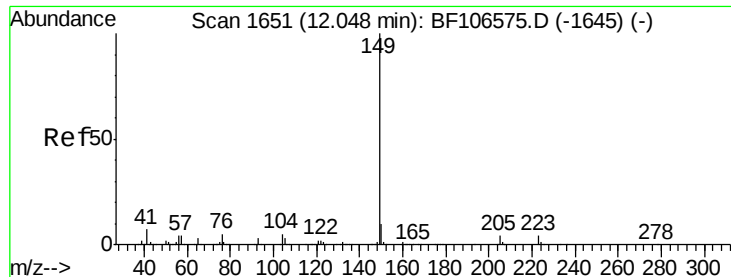
Tgt Ion:178 Resp: 29746
Ion Ratio Lower Upper
178 100
176 24.2 15.8 23.8#
179 41.6 13.0 19.6#



#71
Anthracene
Concen: 2.478 ng
RT: 11.62 min Scan# 1578
Delta R.T. 0.06 min
Lab File: BF107386.D
Acq: 14 Jul 2018 00:56

Tgt Ion:178 Resp: 7202
Ion Ratio Lower Upper
178 100
176 37.4 15.4 23.2#
179 203.2 12.6 19.0#





#73

Di-n-butylphthalate

Concen: 7.146 ng

RT: 12.04 min Scan# 1650

Delta R.T. 0.02 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

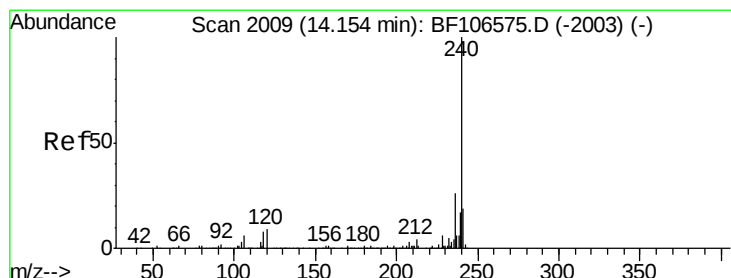
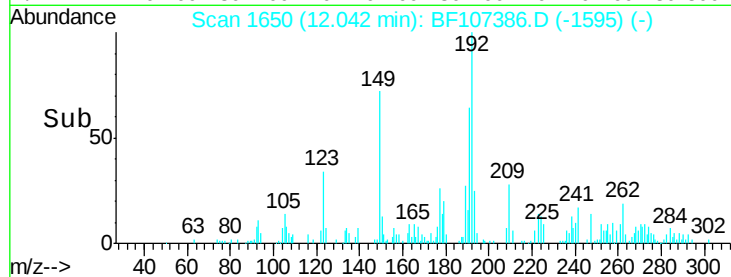
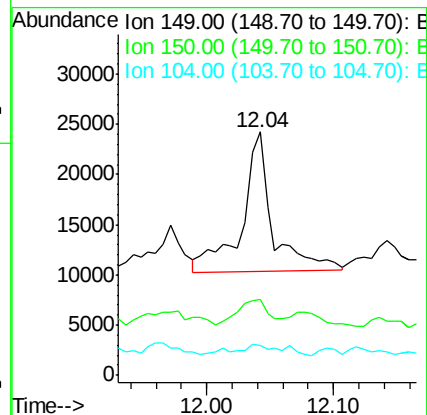
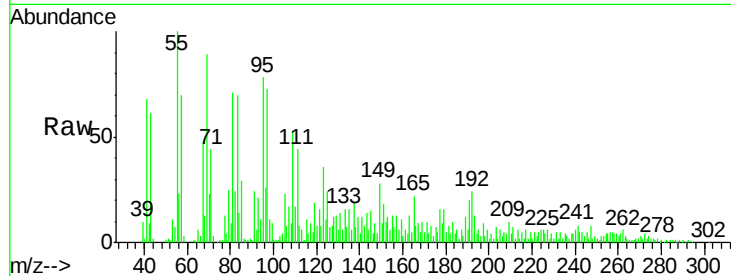
Tgt Ion:149 Resp: 22905

Ion Ratio Lower Upper

149 100

150 31.3 7.8 11.6#

104 12.5 3.8 5.8#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

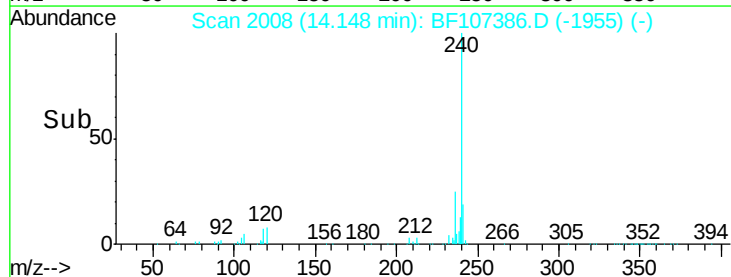
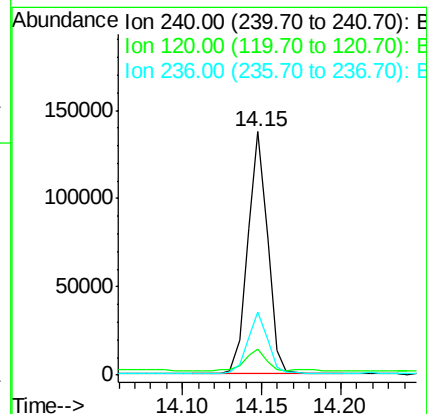
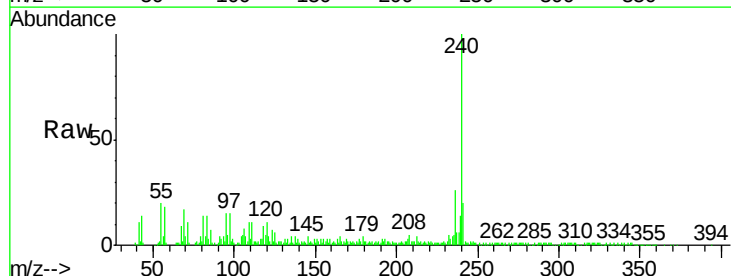
Tgt Ion:240 Resp: 118286

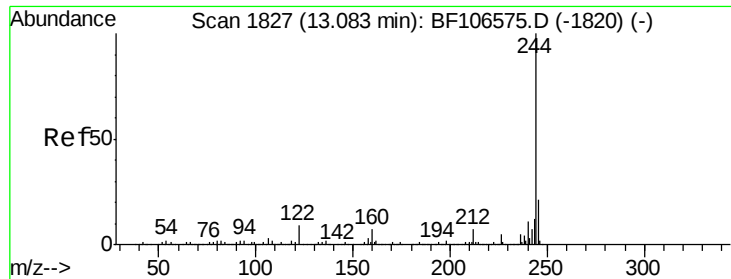
Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

236 26.0 20.7 31.1





#78

Terphenyl-d14

Concen: 4.086 ng

RT: 13.08 min Scan# 1826

Delta R.T. 0.02 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

Instrument :

BNA_F

ClientSampleId :

DRUM-2

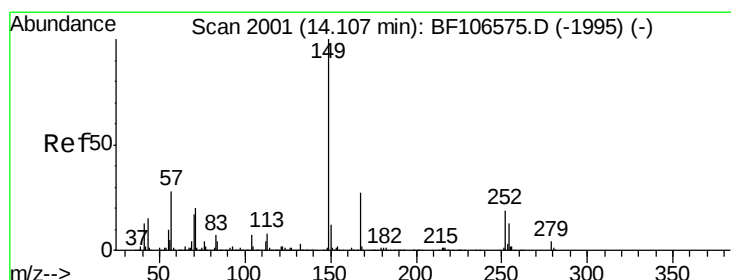
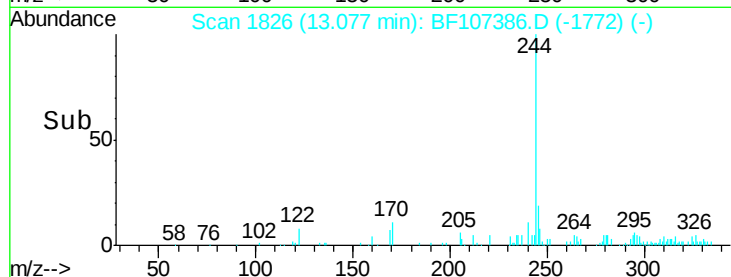
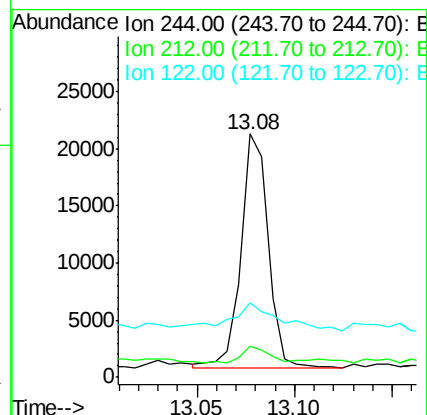
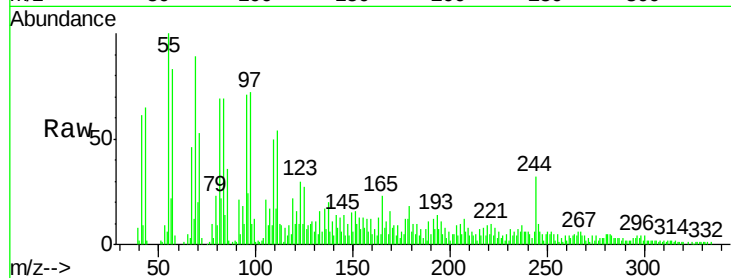
Tgt Ion:244 Resp: 19951

Ion Ratio Lower Upper

244 100

212 12.8 5.4 8.0#

122 30.4 11.0 16.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.582 ng

RT: 14.06 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF107386.D

Acq: 14 Jul 2018 00:56

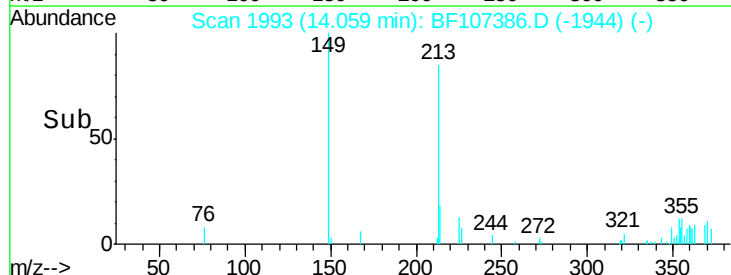
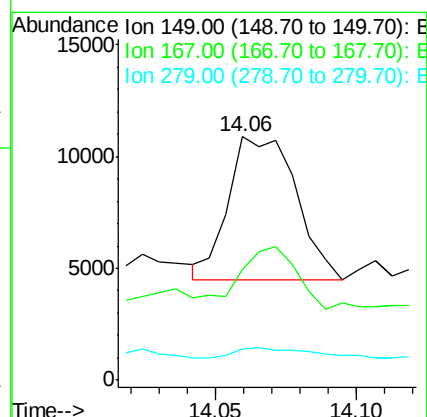
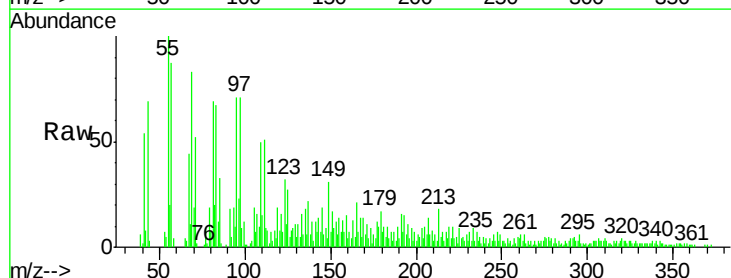
Tgt Ion:149 Resp: 10586

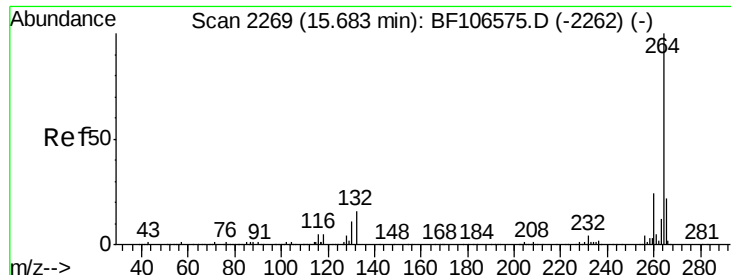
Ion Ratio Lower Upper

149 100

167 45.2 21.3 31.9#

279 12.7 3.0 4.4#

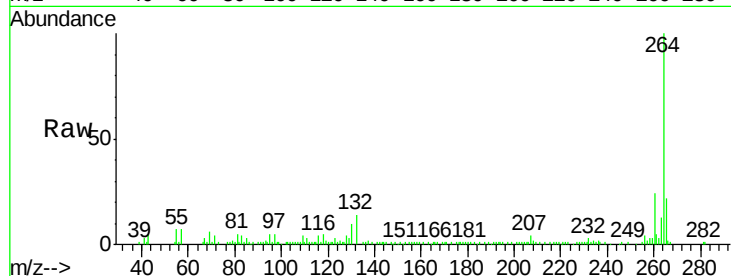




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. 0.01 min
 Lab File: BF107386.D
 Acq: 14 Jul 2018 00:56

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3



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

