

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072618\
 Data File : BF107738.D
 Acq On : 27 Jul 2018 9:56
 Operator : JU/SJ
 Sample : J4142-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 12:13:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	183986	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	658614	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	304605	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	464557	20.00	ng	0.00
75) Chrysene-d12	14.15	240	430228	20.00	ng	-0.02
86) Perylene-d12	15.68	264	461594	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	526941	46.05	ng	-0.01
7) Phenol-d6	6.61	99	472884	34.42	ng	0.00
23) Nitrobenzene-d5	7.54	82	919729	94.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	413103	119.26	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1585396	90.81	ng	-0.01
78) Terphenyl-d14	13.08	244	1316708	78.35	ng	-0.02

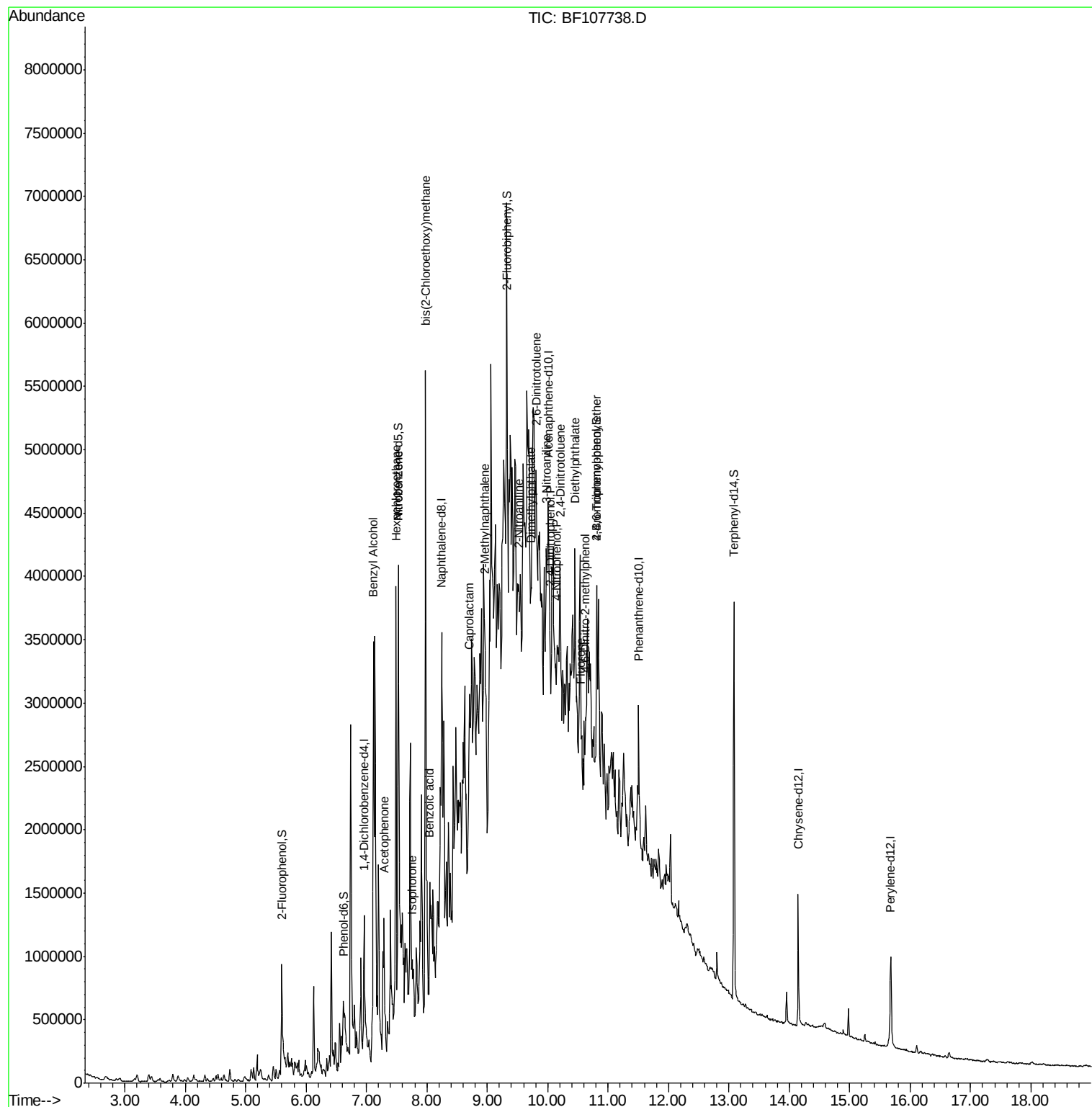
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.12	79	26671	2.848	ng	# 44
18) Hexachloroethane	7.49	117	297403	59.517	ng	# 1
22) Acetophenone	7.29	105	252133	16.301	ng	# 75
24) Nitrobenzene	7.52	77	55678	4.981	ng	# 2
25) Isophorone	7.75	82	66090	3.172	ng	# 45
28) bis(2-Chloroethoxy)methane	7.98	93	28273	2.030	ng	# 23
32) Benzoic acid	8.05	122	17064	10.185	ng	# 1
35) Caprolactam	8.70	113	13048	4.393	ng	# 1
37) 2-Methylnaphthalene	8.96	142	49051	2.444	ng	# 61
47) 2-Nitroaniline	9.53	65	22093	3.736	ng	# 31
49) Dimethylphthalate	9.72	163	134345	5.852	ng	# 69
50) 2,6-Dinitrotoluene	9.82	165	16662	3.656	ng	# 51
52) 3-Nitroaniline	9.98	138	18381	3.315	ng	# 16
53) 2,4-Dinitrophenol	10.04	184	1817	9.445	ng	# 1
55) 4-Nitrophenol	10.16	139	23617	5.689	ng	# 1
56) 2,4-Dinitrotoluene	10.20	165	12658	2.301	ng	# 54
57) Fluorene	10.56	166	50426	2.515	ng	# 91
59) Diethylphthalate	10.45	149	66785	2.785	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.63	198	2840	9.718	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	24642	4.506	ng	# 1
73) Di-n-butylphthalate	12.08	149	6328	Below Cal		# 39
81) 3,3'-Dichlorobenzidine	14.07	252	671	Below Cal		# 41

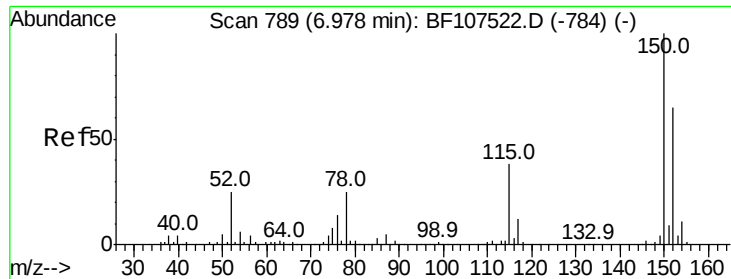
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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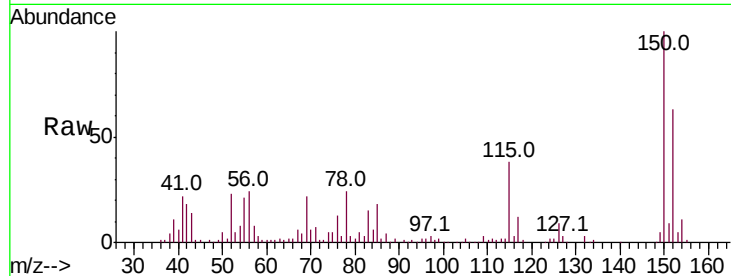


#1

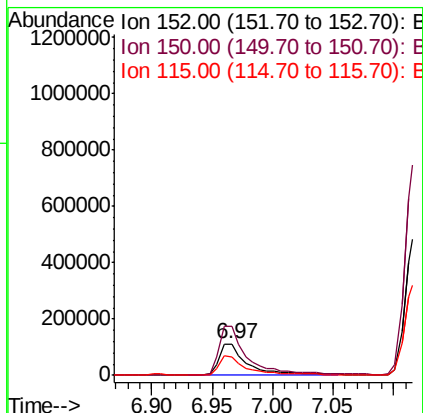
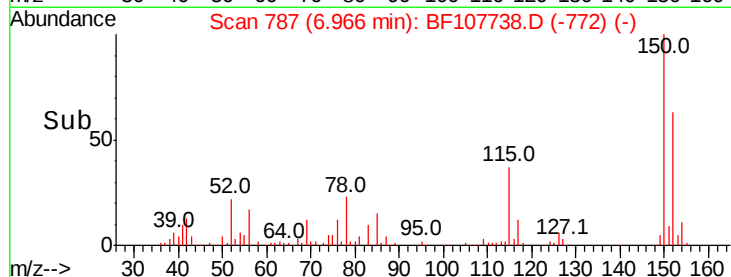
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 183986
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 59.5 50.1 75.1



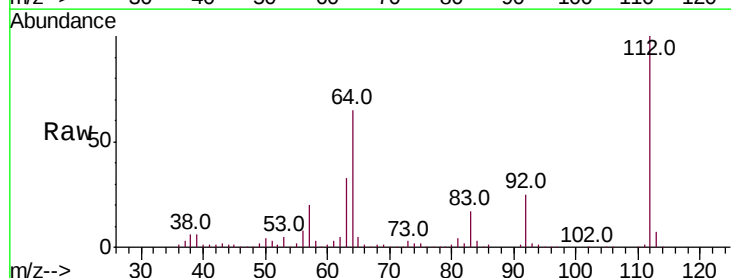
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



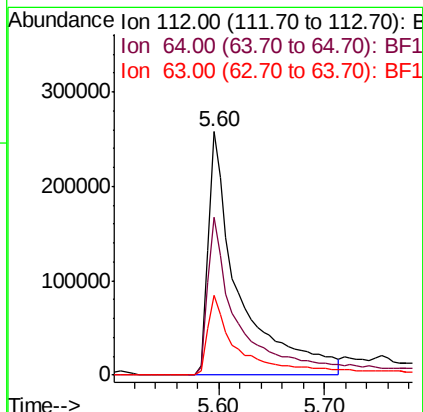
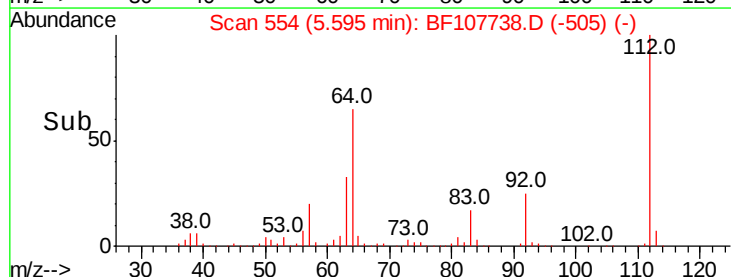
#5

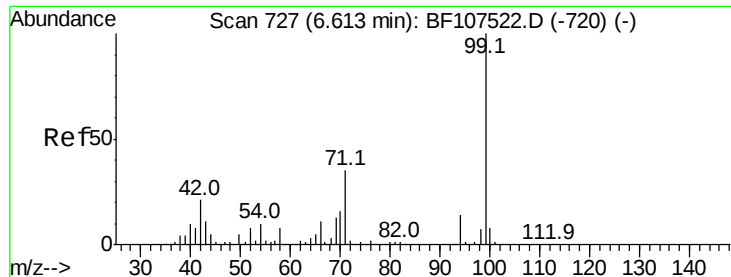
2-Fluorophenol
Concen: 46.048 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion:112 Resp: 526941
Ion Ratio Lower Upper
112 100
64 64.8 47.9 71.9
63 32.9 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: 34.416 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA_F

ClientSampleId :

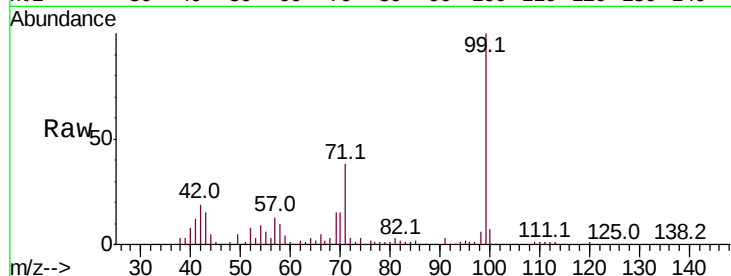
Tot Ion: 99 Resp: 472884

Ion Ratio Lower Upper

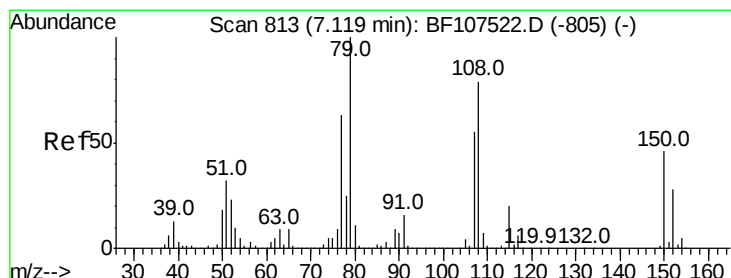
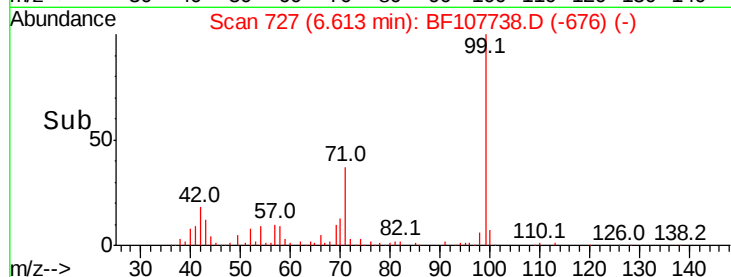
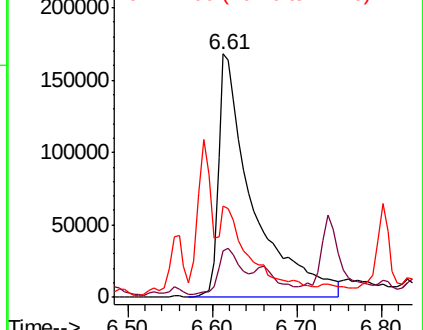
99 100

42 19.4 14.5 21.7

71 37.5 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



#15

Benzyl Alcohol

Concen: 2.848 ng

RT: 7.12 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

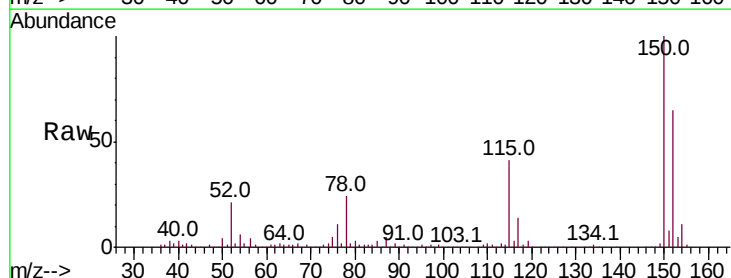
Tgt Ion: 79 Resp: 26671

Ion Ratio Lower Upper

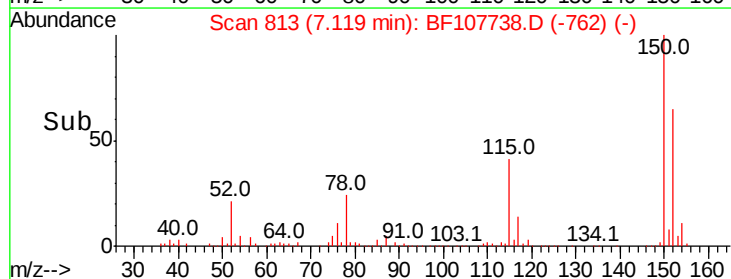
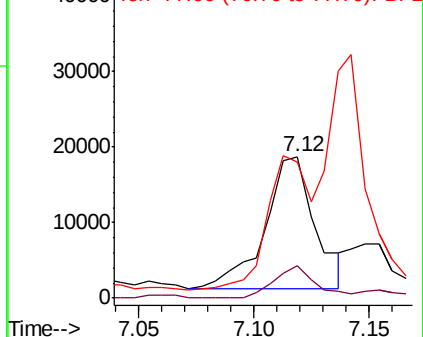
79 100

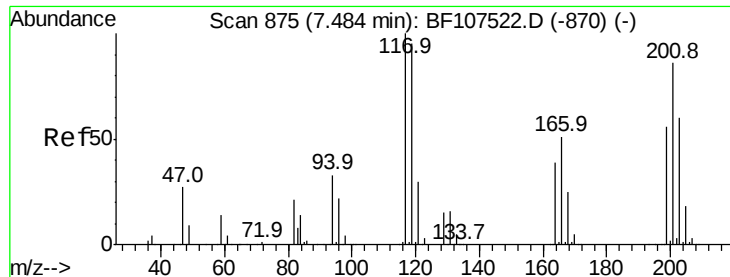
108 22.8 65.1 97.7#

77 96.5 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

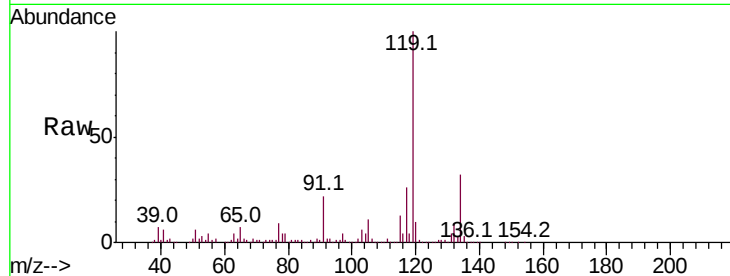




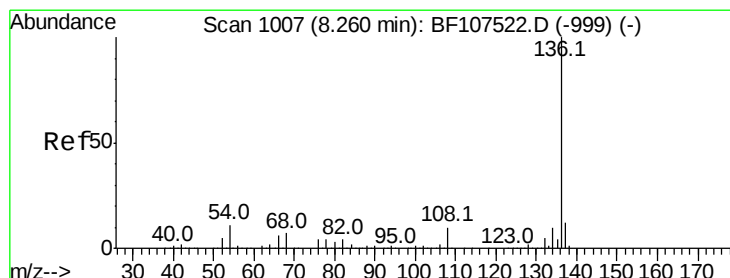
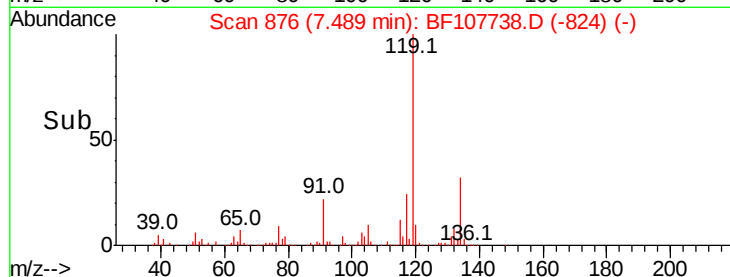
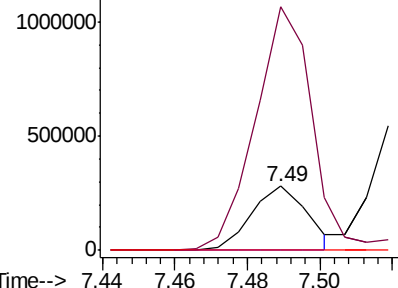
#18
Hexachloroethane
Concen: 59.517 ng
RT: 7.49 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 297403
Ion Ratio Lower Upper
117 100
119 381.1 75.8 113.8#
201 0.0 75.7 113.5#

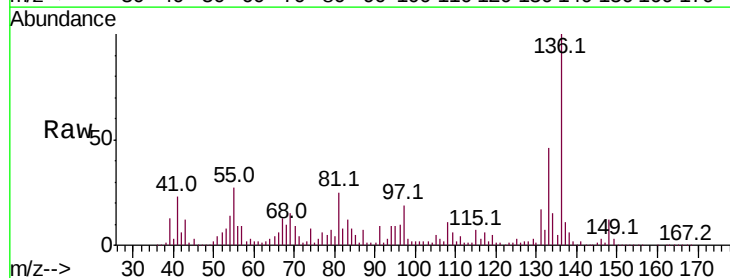


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

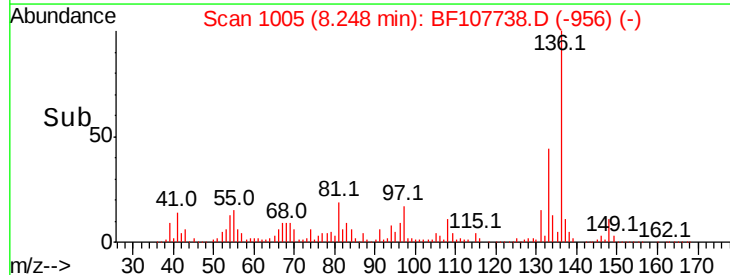
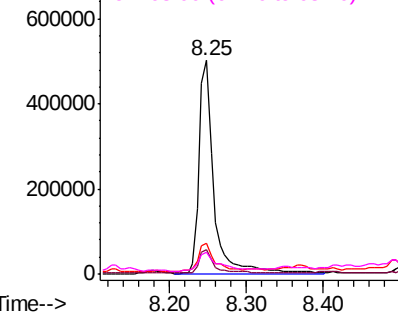


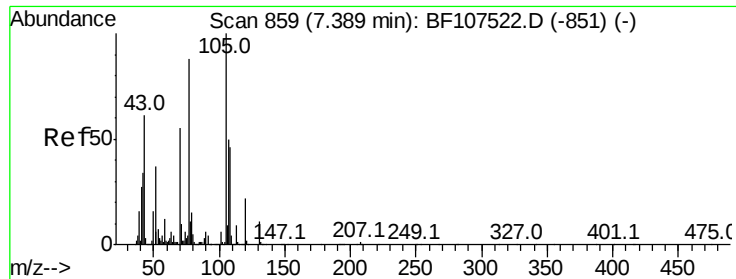
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion:136 Resp: 658614
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 14.4 6.6 9.8#
68 10.4 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





#22

Acetophenone

Concen: 16.301 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.10 min

Lab File: BF107738.D

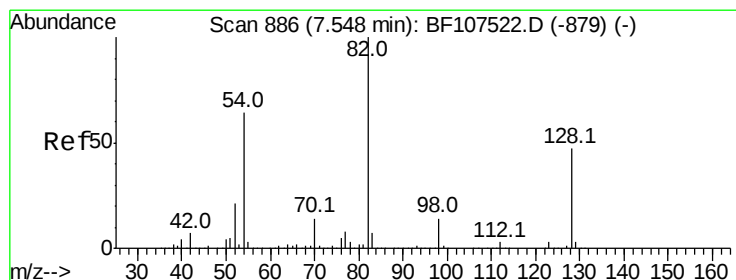
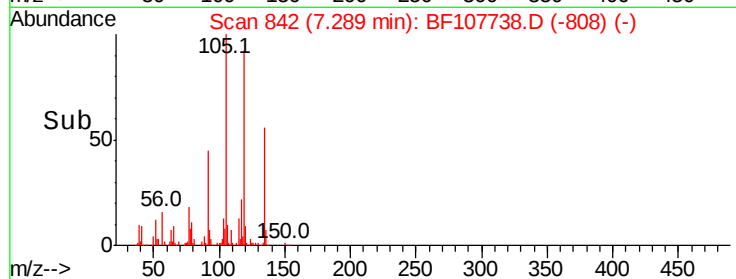
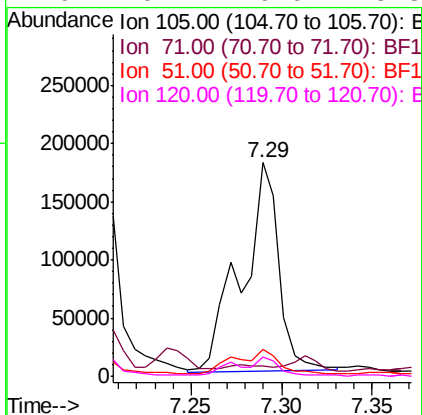
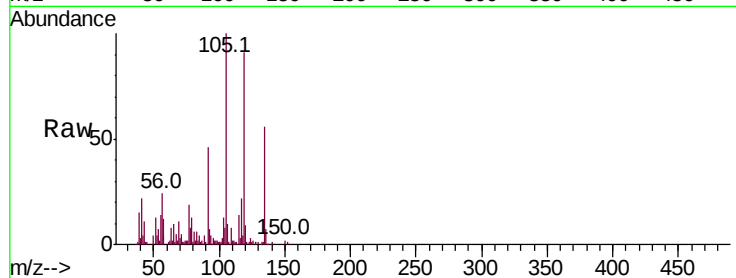
Acq: 27 Jul 2018 9:56

Instrument :

BNA_F

ClientSampled :

Tot Ion:	105	Resp:	252133
Ion	Ratio	Lower	Upper
105	100		
71	4.8	4.4	6.6
51	12.6	22.3	33.5#
120	9.1	16.9	25.3#



#23

Nitrobenzene-d5

Concen: 94.244 ng

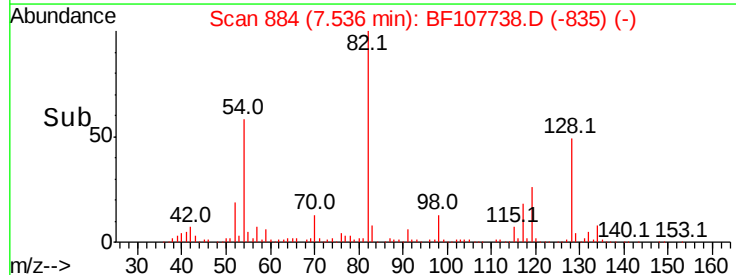
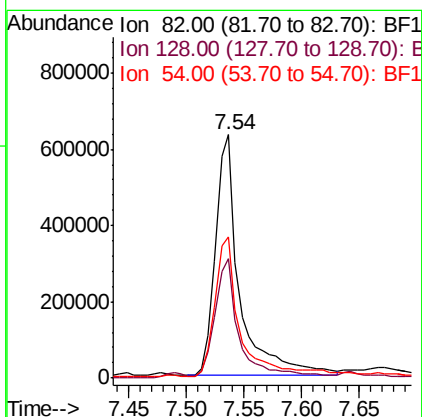
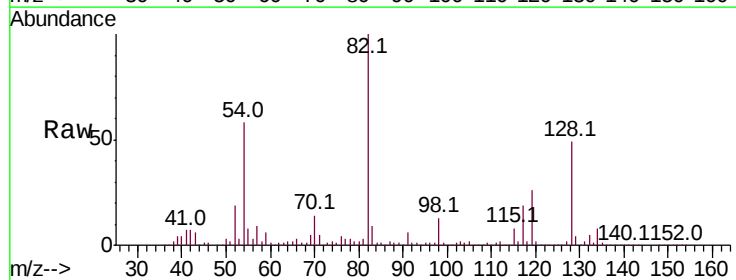
RT: 7.54 min Scan# 884

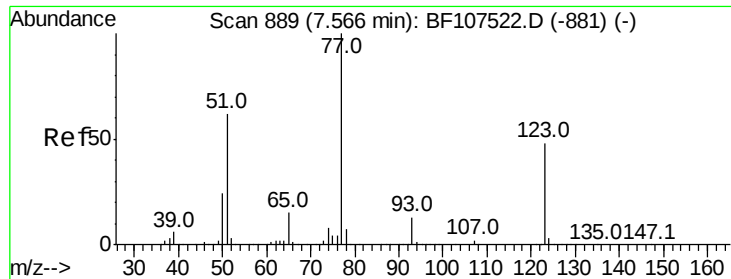
Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Tgt Ion:	82	Resp:	919729
Ion	Ratio	Lower	Upper
82	100		
128	49.0	36.1	54.1
54	58.0	41.4	62.2

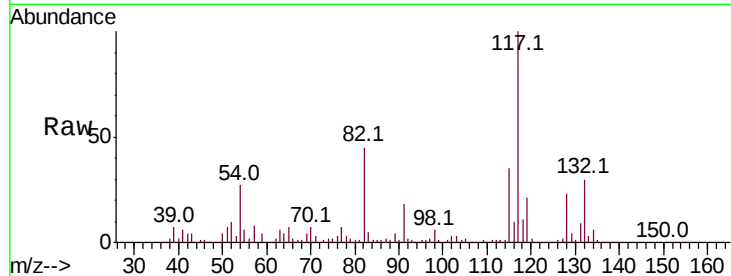




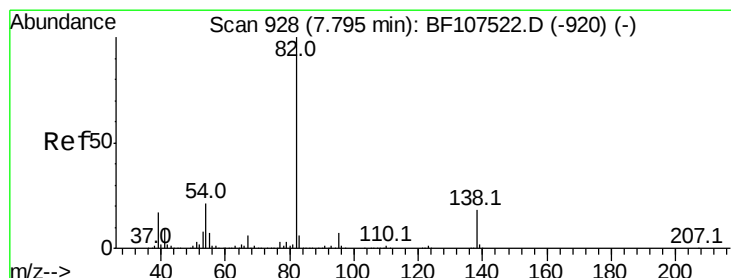
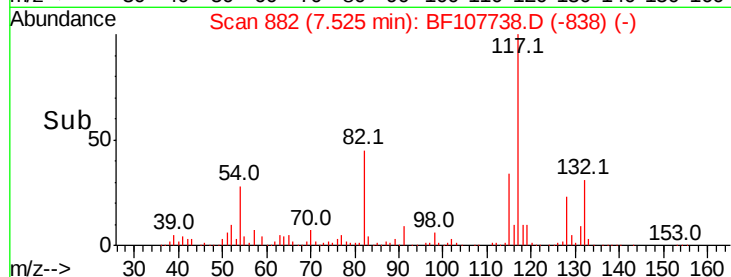
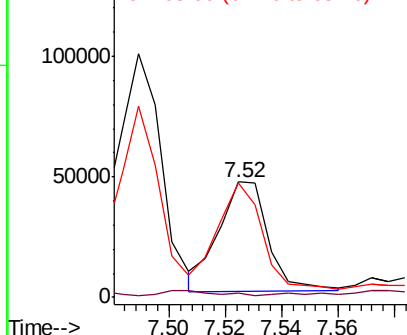
#24
Nitrobenzene
Concen: 4.981 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.04 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 55678
Ion Ratio Lower Upper
77 100
123 3.2 37.9 56.9#
65 98.7 11.0 16.4#

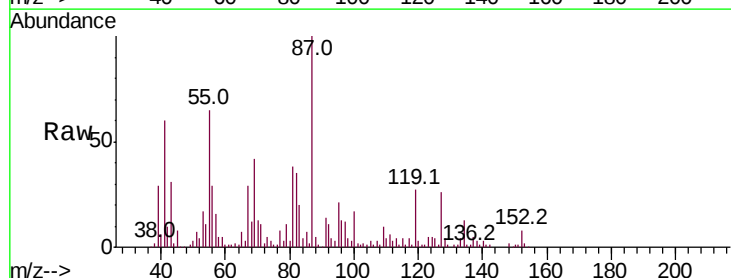


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1

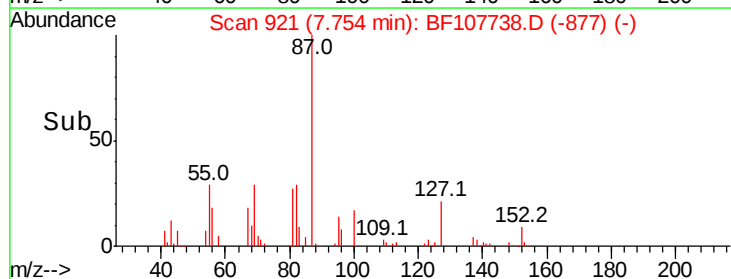
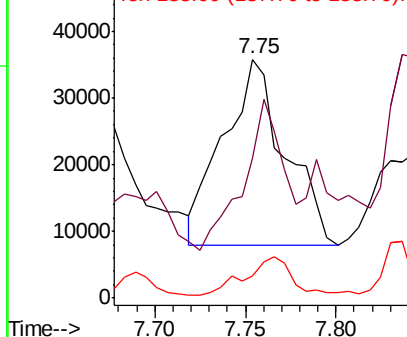


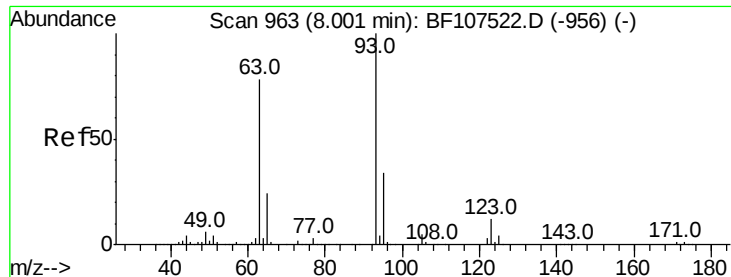
#25
Isophorone
Concen: 3.172 ng
RT: 7.75 min Scan# 921
Delta R.T. -0.04 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion: 82 Resp: 66090
Ion Ratio Lower Upper
82 100
95 58.7 5.2 7.8#
138 9.4 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

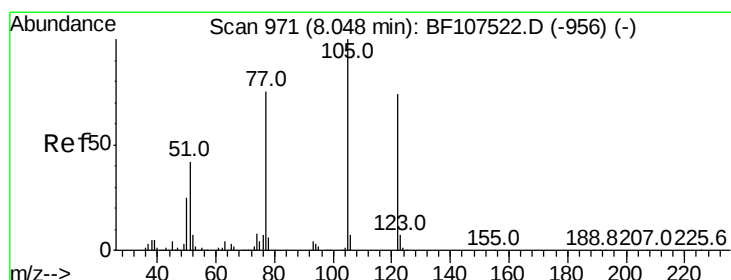
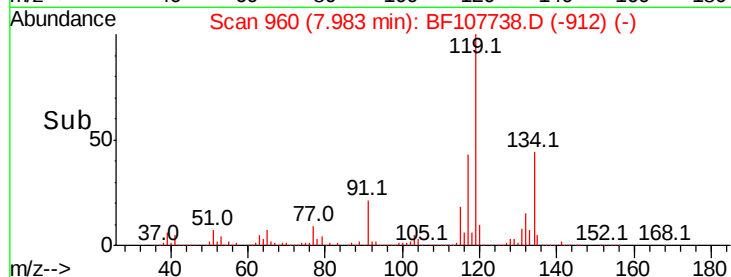
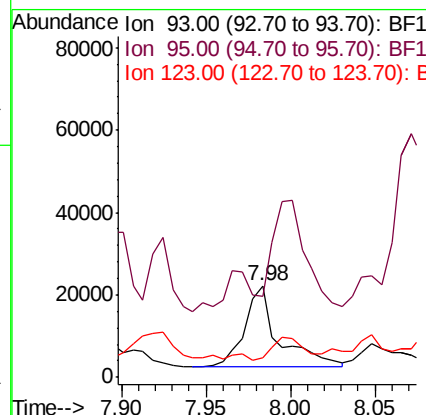
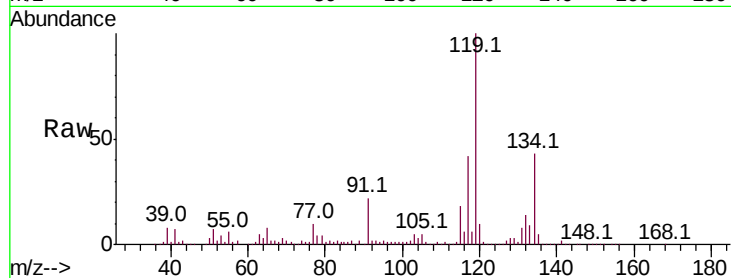




#28
bis(2-Chloroethoxy)methane
Concen: 2.030 ng
RT: 7.98 min Scan# 960
Delta R.T. -0.02 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

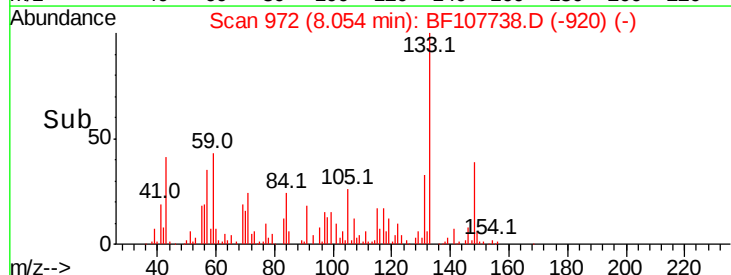
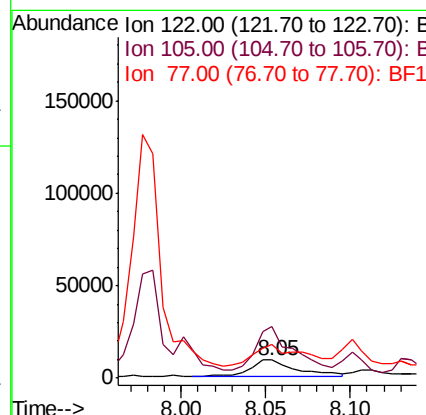
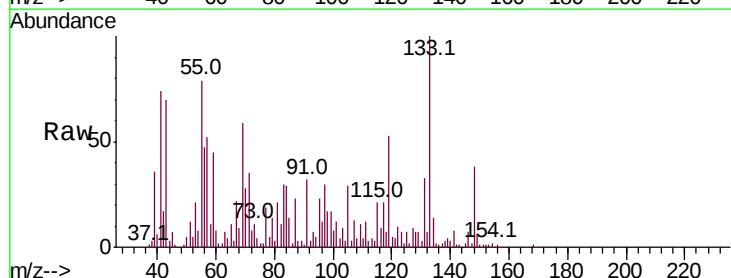
Instrument :
BNA_F
ClientSampleId :

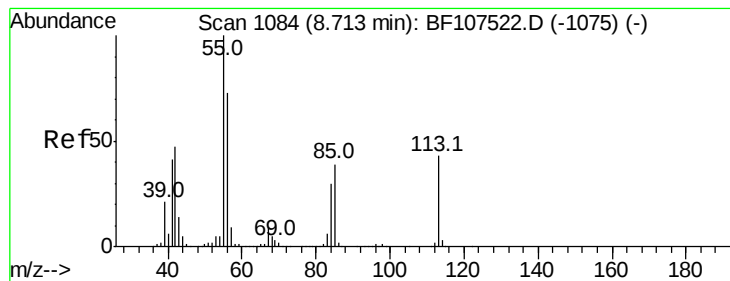
Tot Ion: 93 Resp: 28273
Ion Ratio Lower Upper
93 100
95 88.0 26.3 39.5#
123 21.0 9.8 14.6#



#32
Benzoic acid
Concen: 10.185 ng
RT: 8.05 min Scan# 972
Delta R.T. 0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion:122 Resp: 17064
Ion Ratio Lower Upper
122 100
105 280.3 101.1 141.1#
77 181.7 70.7 110.7#





#35

Caprolactam

Concen: 4.393 ng

RT: 8.70 min Scan# 1082

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA_F

ClientSampled :

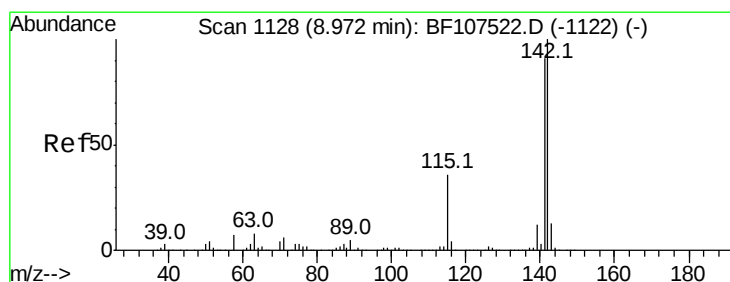
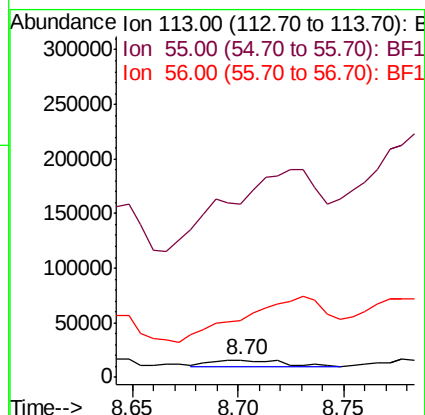
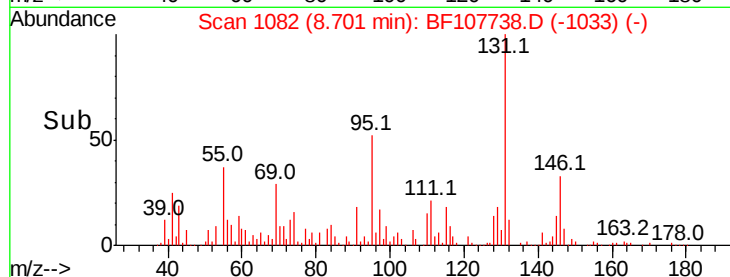
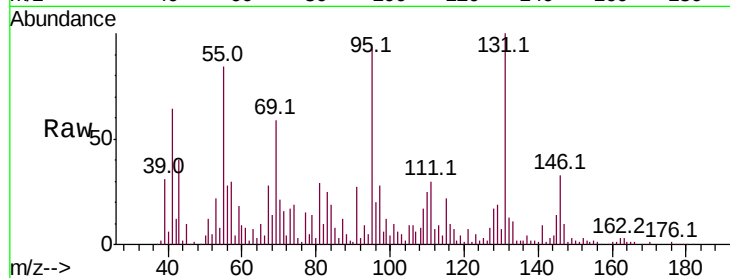
Tot Ion:113 Resp: 13048

Ion Ratio Lower Upper

113 100

55 987.2 163.3 203.3#

56 326.5 115.7 155.7#



#37

2-Methylnaphthalene

Concen: 2.444 ng

RT: 8.96 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

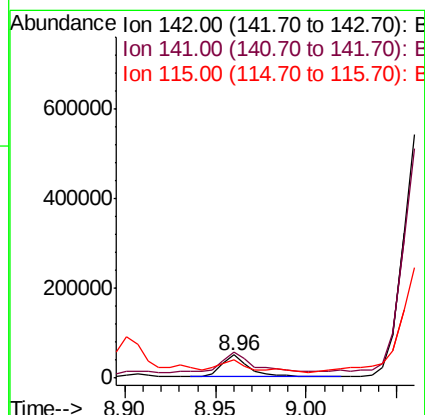
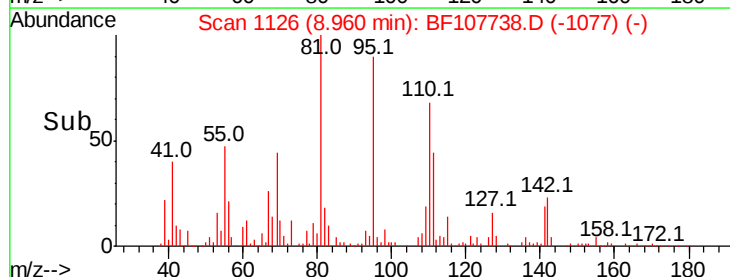
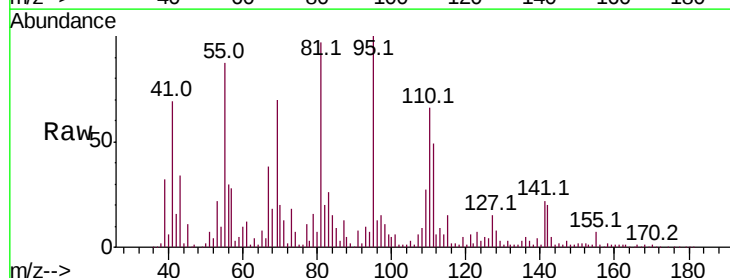
Tgt Ion:142 Resp: 49051

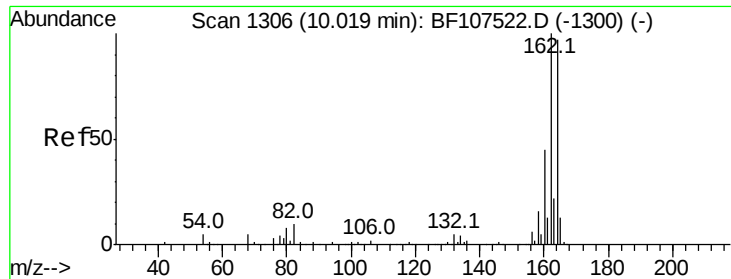
Ion Ratio Lower Upper

142 100

141 111.0 70.8 106.2#

115 77.1 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA_F

ClientSampleId :

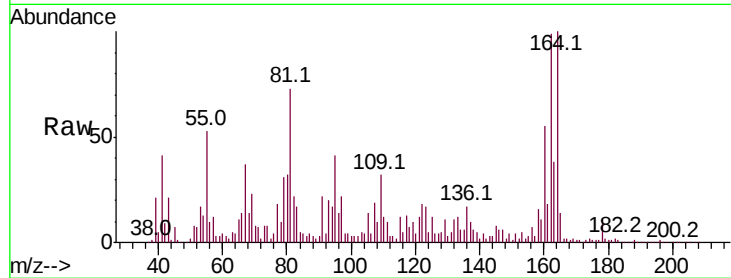
Tot Ion:164 Resp: 304605

Ion Ratio Lower Upper

164 100

162 99.0 86.1 129.1

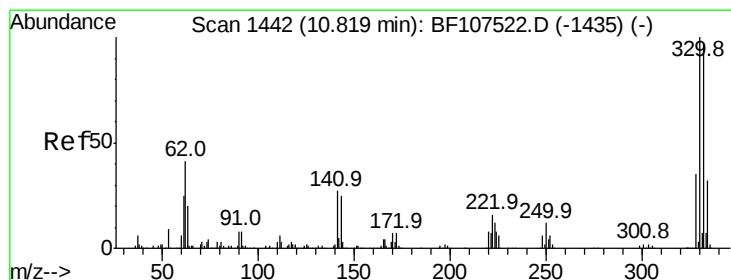
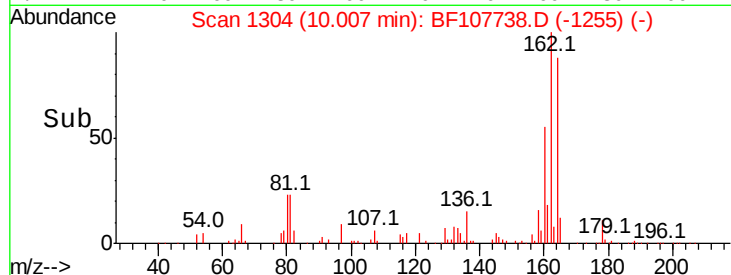
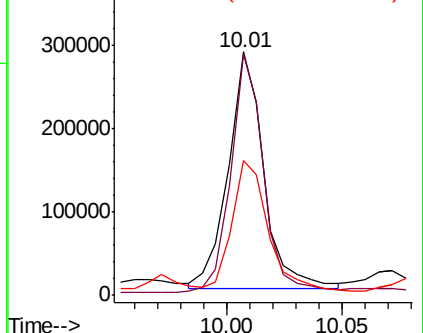
160 55.1 38.3 57.5



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: 119.262 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

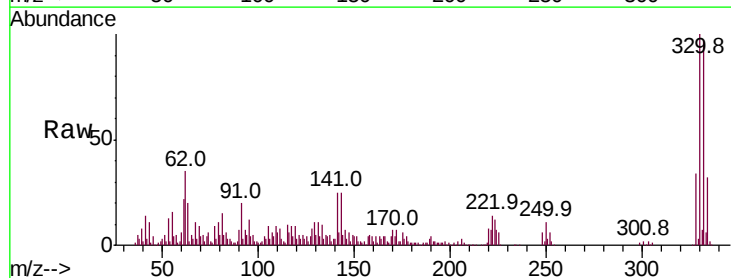
Tgt Ion:330 Resp: 413103

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

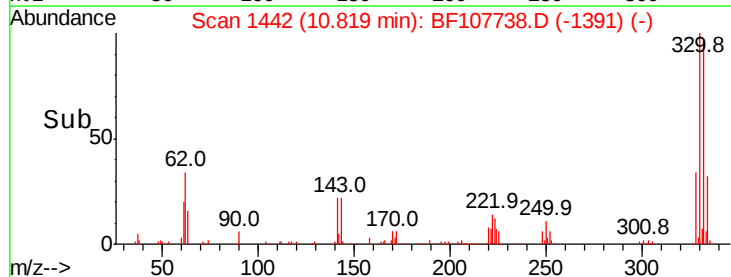
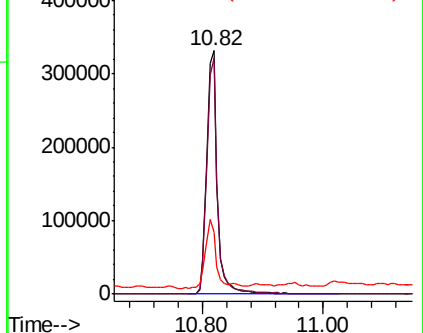
141 26.6 29.9 44.9#

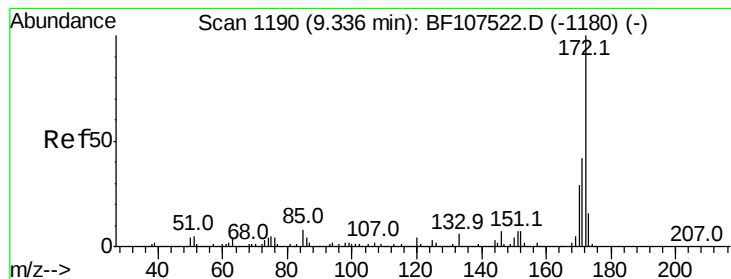


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

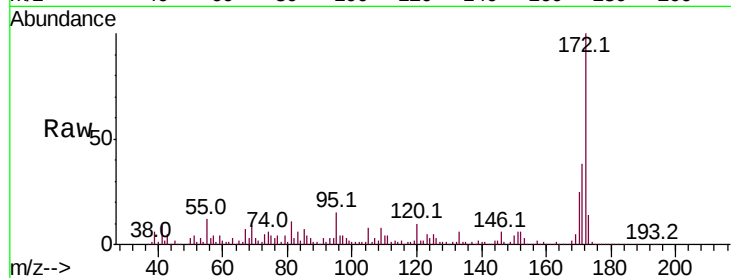




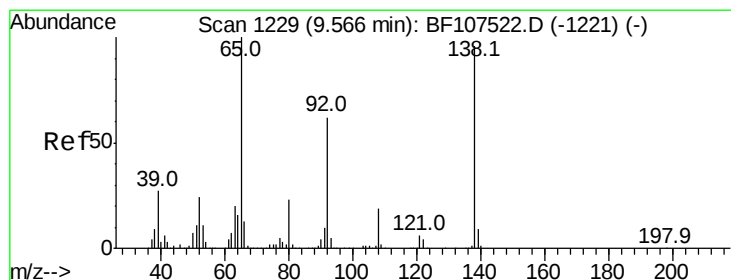
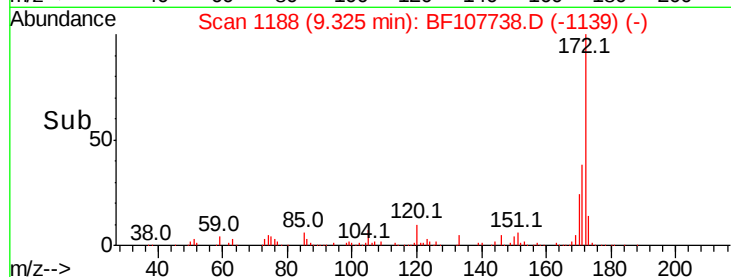
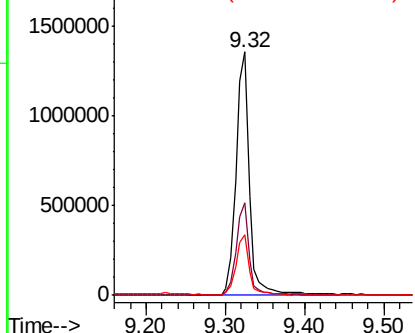
#44
2-Fluorobiphenyl
Concen: 90.808 ng
RT: 9.32 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1585396
Ion Ratio Lower Upper
172 100
171 37.8 29.7 44.5
170 24.7 19.6 29.4

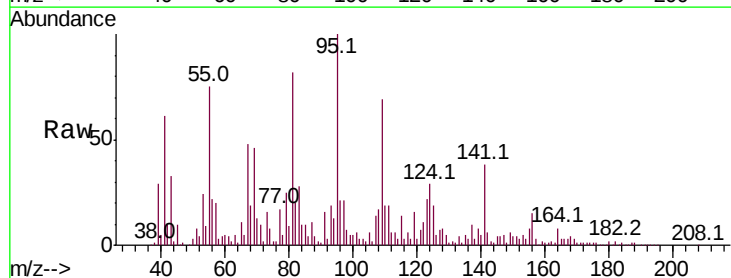


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

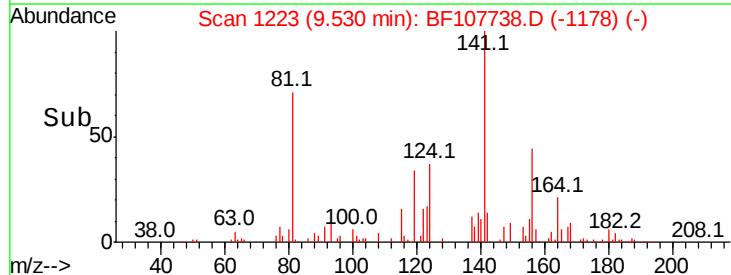
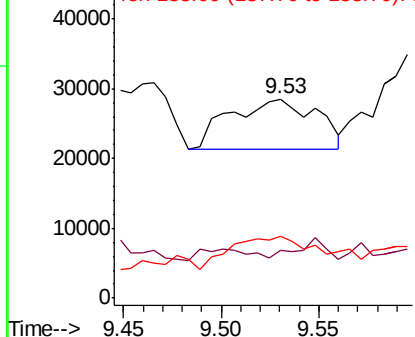


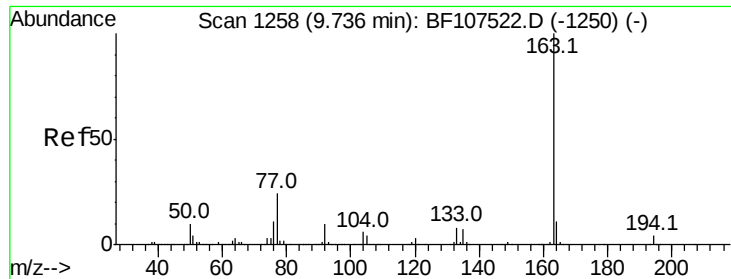
#47
2-Nitroaniline
Concen: 3.736 ng
RT: 9.53 min Scan# 1223
Delta R.T. -0.04 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion: 65 Resp: 22093
Ion Ratio Lower Upper
65 100
92 24.1 55.8 83.6#
138 31.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

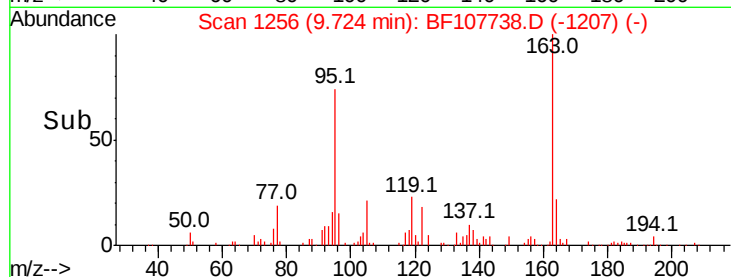
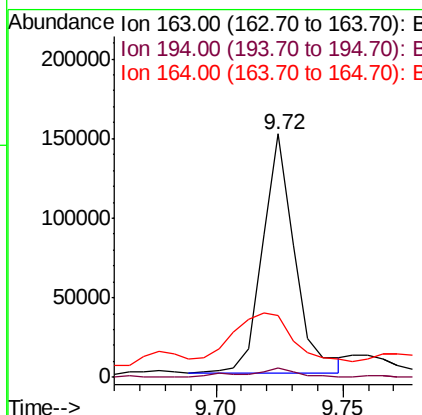
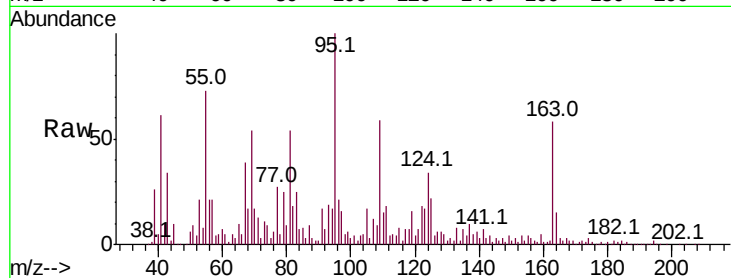




#49
Dimethylphthalate
Concen: 5.852 ng
RT: 9.72 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

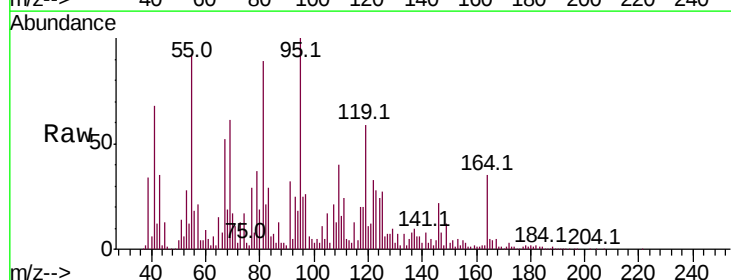
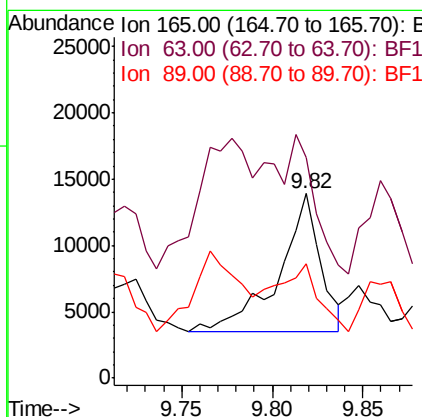
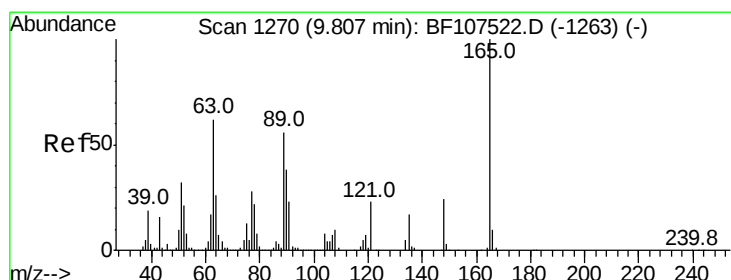
Instrument :
BNA_F
ClientSampleId :

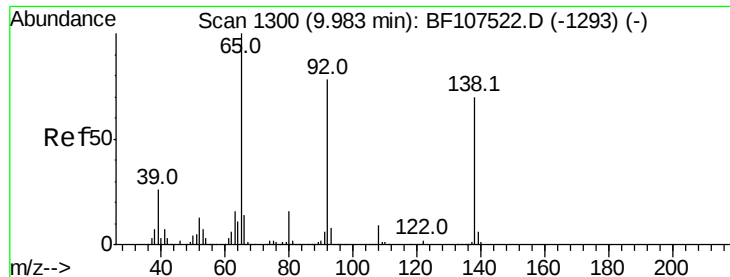
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1#
164	25.2	8.2	12.2#



#50
2,6-Dinitrotoluene
Concen: 3.656 ng
RT: 9.82 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	120.0	44.7	67.1#
89	61.9	44.0	66.0





#52

3-Nitroaniline

Concen: 3.315 ng

RT: 9.98 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

Instrument :

BNA_F

ClientSampleId :

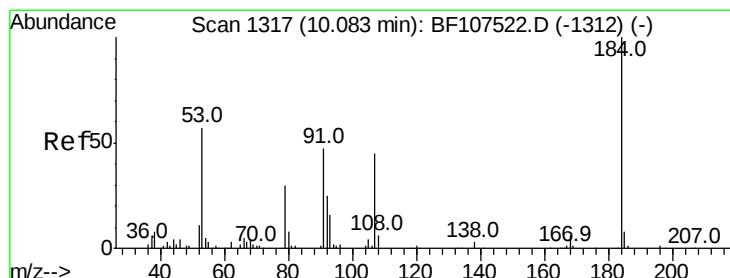
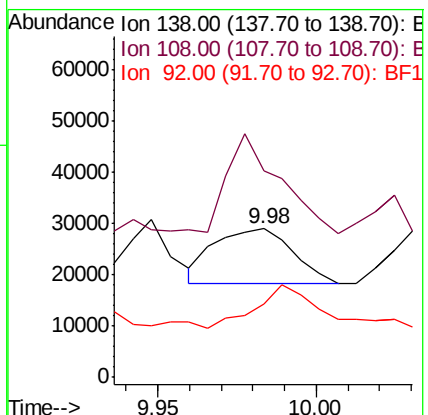
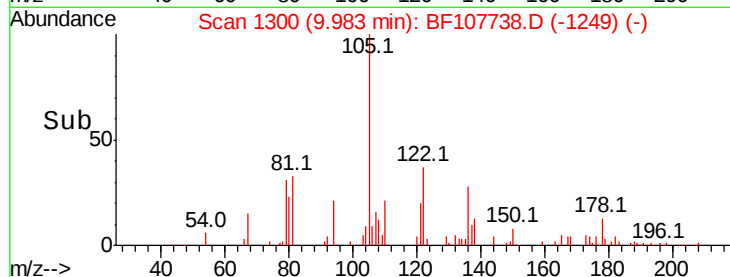
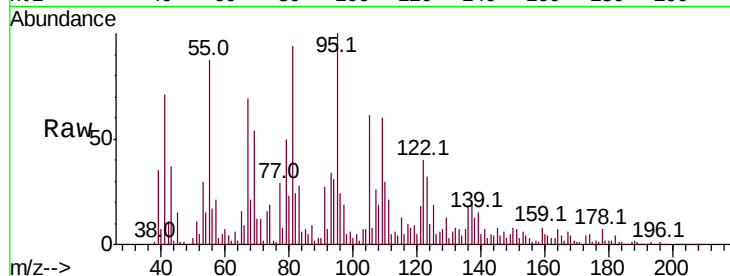
Tot Ion:138 Resp: 18381

Ion Ratio Lower Upper

138 100

108 138.9 9.4 14.0#

92 49.1 89.4 134.2#



#53

2,4-Dinitrophenol

Concen: 9.445 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.04 min

Lab File: BF107738.D

Acq: 27 Jul 2018 9:56

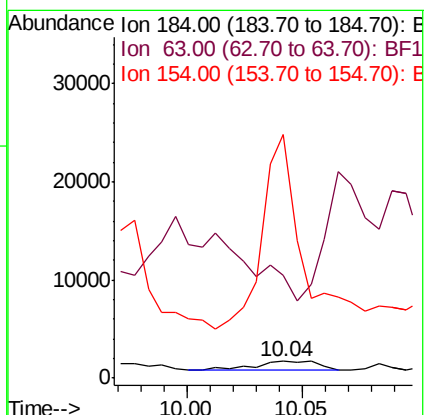
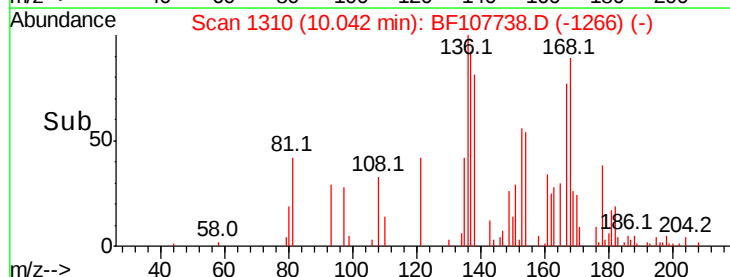
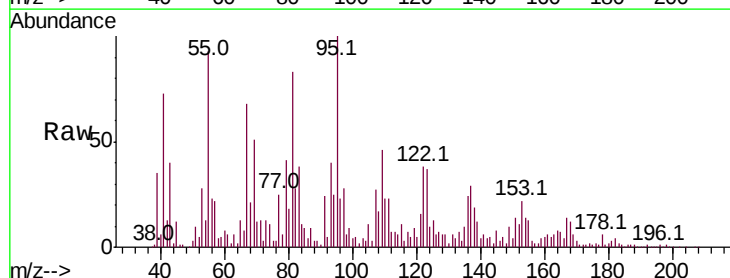
Tgt Ion:184 Resp: 1817

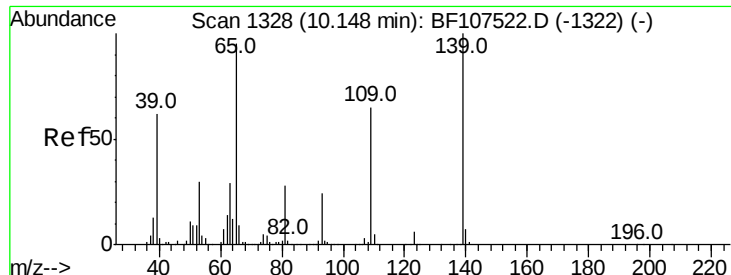
Ion Ratio Lower Upper

184 100

63 616.5 54.2 81.2#

154 1458.5 184.0 276.0#

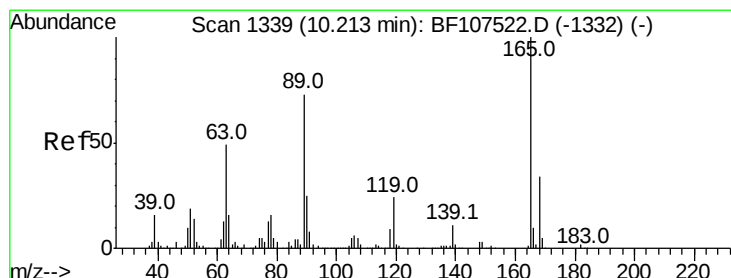
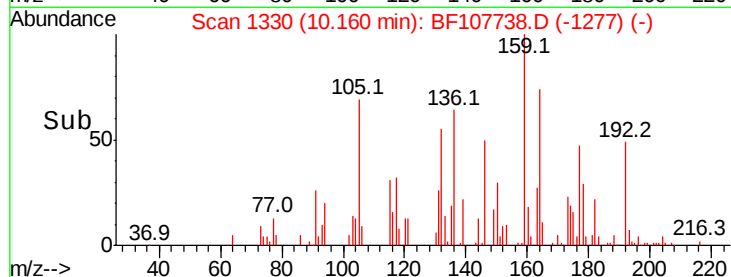
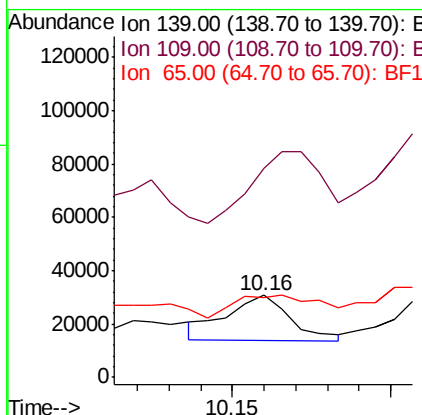
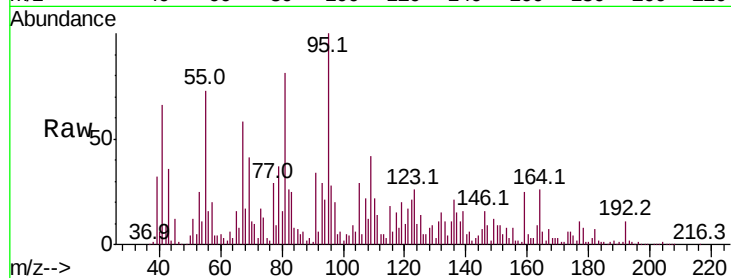




#55
4-Nitrophenol
Concen: 5.689 ng
RT: 10.16 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

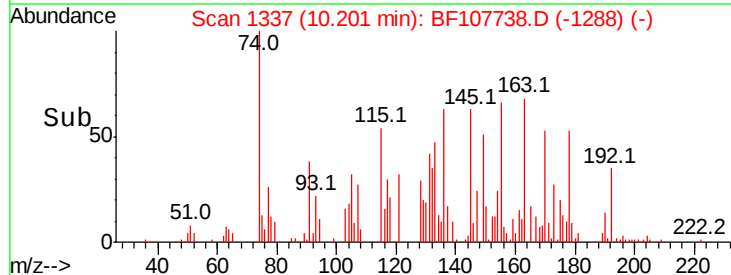
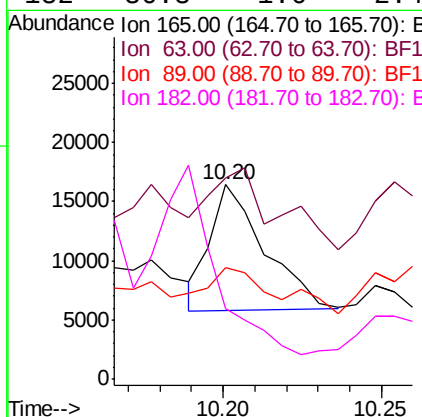
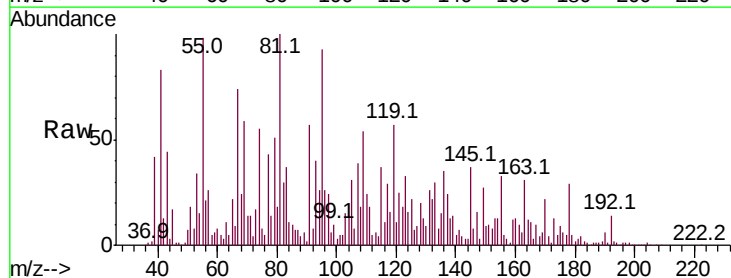
Instrument :
BNA_F
ClientSampleId :

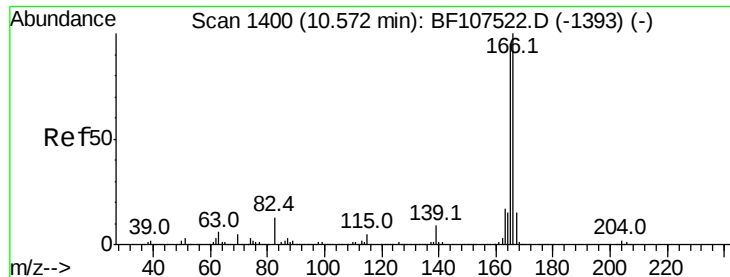
Tot Ion:139 Resp: 23617
Ion Ratio Lower Upper
139 100
109 253.9 48.4 88.4#
65 96.6 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 2.301 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion:165 Resp: 12658
Ion Ratio Lower Upper
165 100
63 103.4 36.4 54.6#
89 57.5 57.8 86.6#
182 36.3 1.6 2.4#

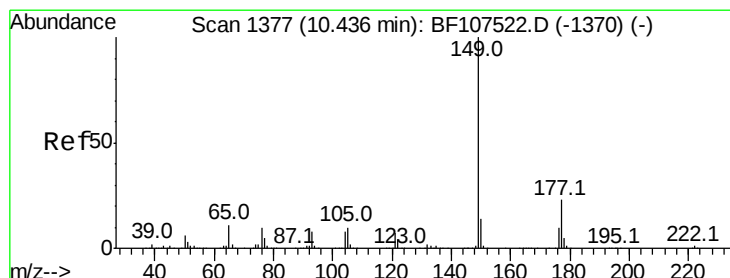
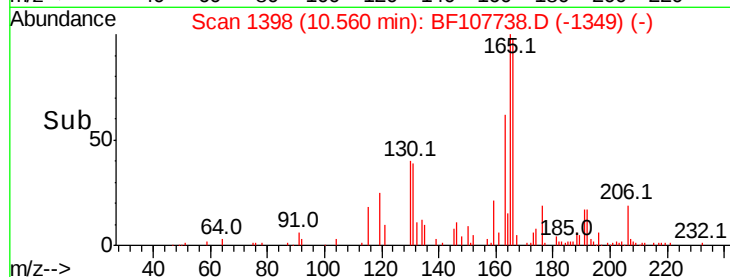
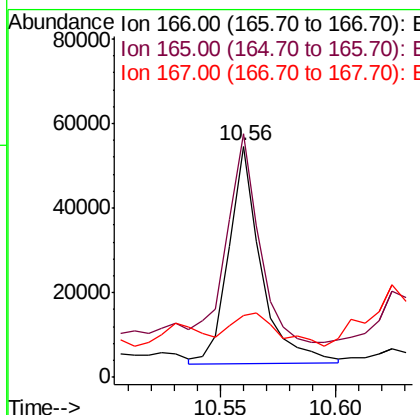
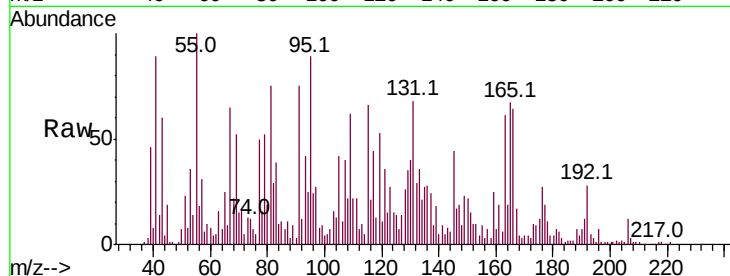




#57
 Fluorene
 Concen: 2.515 ng
 RT: 10.56 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

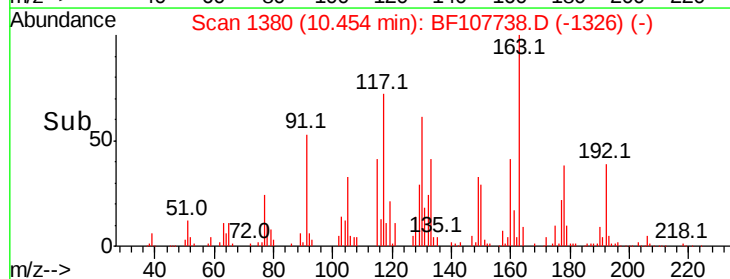
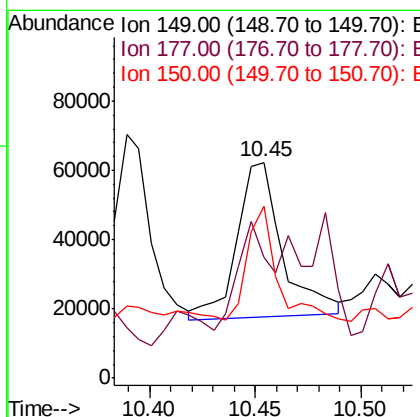
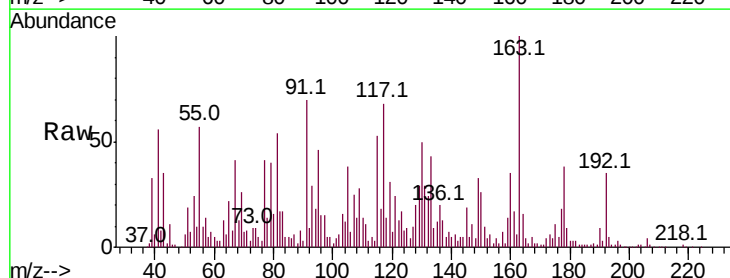
Instrument :
 BNA_F
 ClientSampleId :

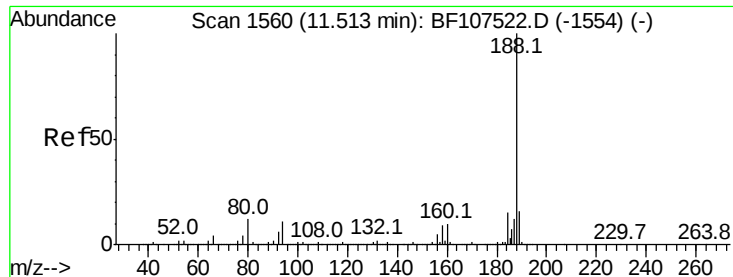
Tot Ion:166 Resp: 50426
 Ion Ratio Lower Upper
 166 100
 165 105.3 79.8 119.8
 167 27.0 10.6 16.0#



#59
 Diethylphthalate
 Concen: 2.785 ng
 RT: 10.45 min Scan# 1380
 Delta R.T. 0.02 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

Tgt Ion:149 Resp: 66785
 Ion Ratio Lower Upper
 149 100
 177 56.0 16.1 24.1#
 150 79.8 10.1 15.1#

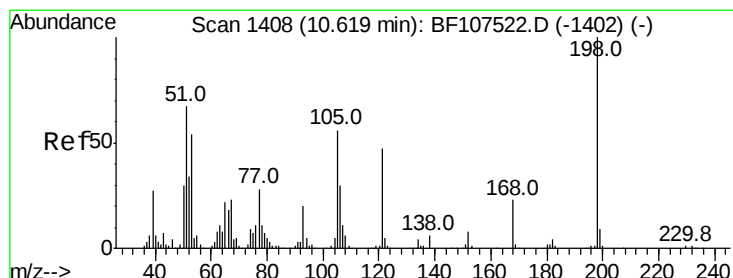
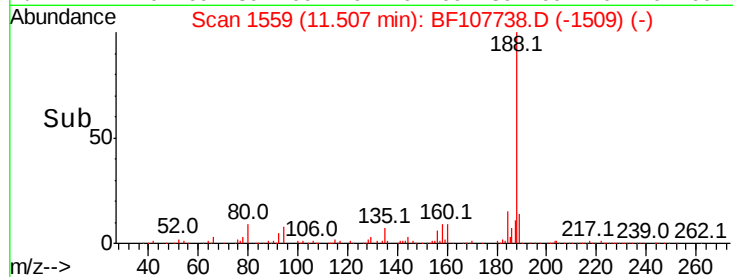
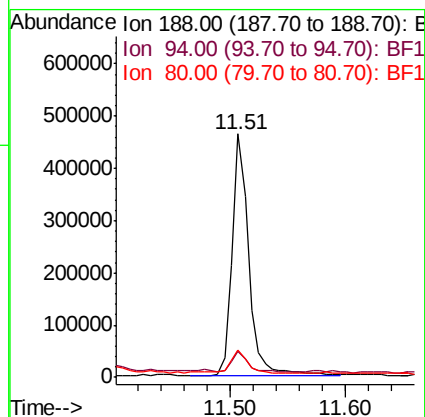
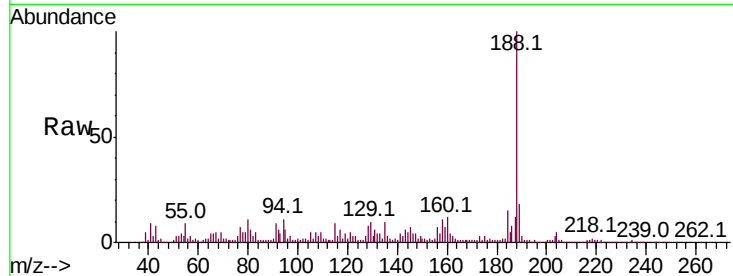




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

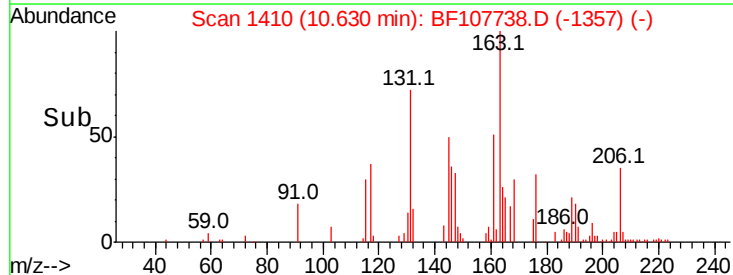
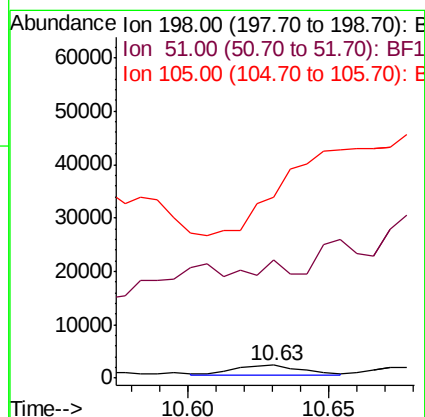
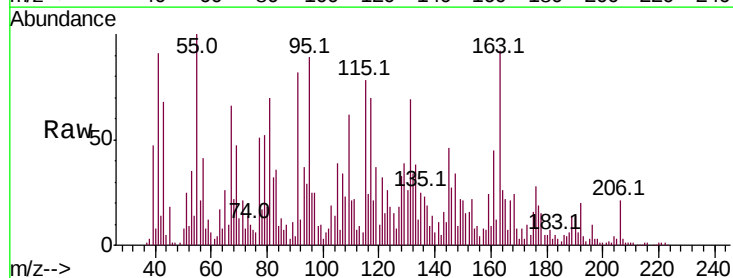
Instrument :
BNA_F
ClientSampleId :

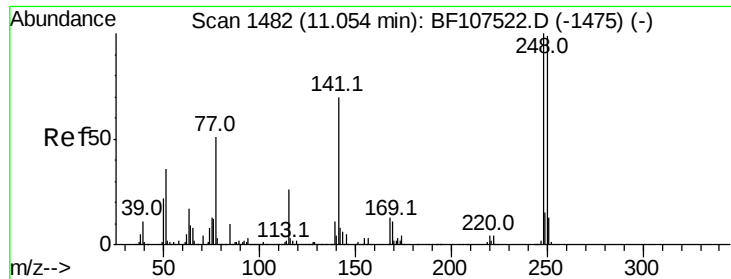
Tot Ion:188 Resp: 464557
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.718 ng
RT: 10.63 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BF107738.D
Acq: 27 Jul 2018 9:56

Tgt Ion:198 Resp: 2840
Ion Ratio Lower Upper
198 100
51 921.7 37.7 77.7#
105 1408.9 36.3 76.3#

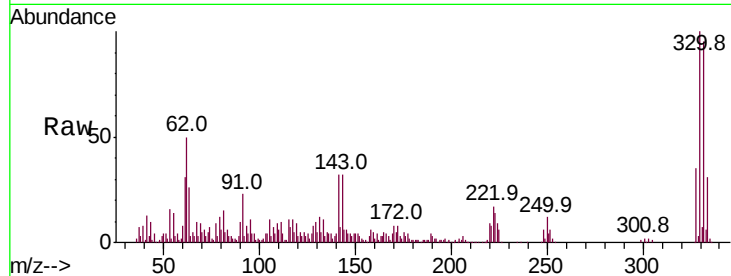




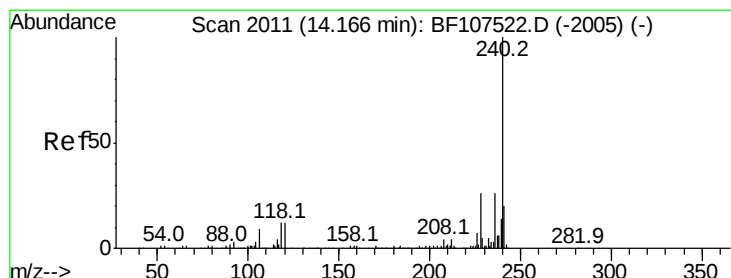
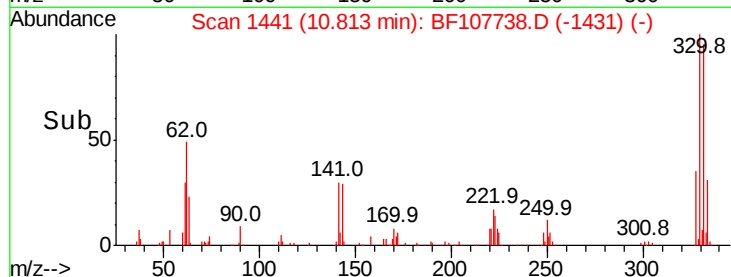
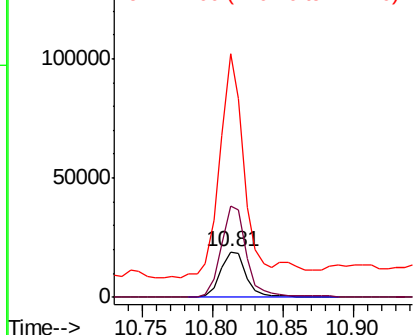
#66
 4-Bromophenyl-phenylether
 Concen: 4.506 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.24 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 24642
 Ion Ratio Lower Upper
 248 100
 250 199.8 76.9 115.3#
 141 531.1 74.4 111.6#

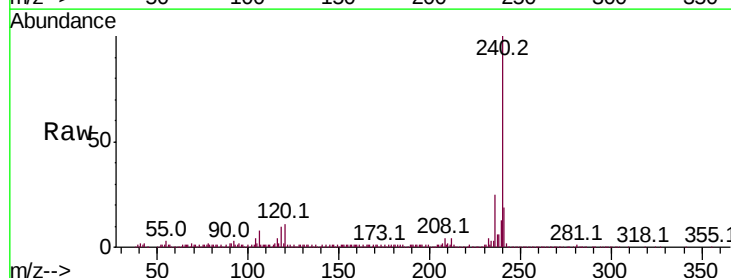


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

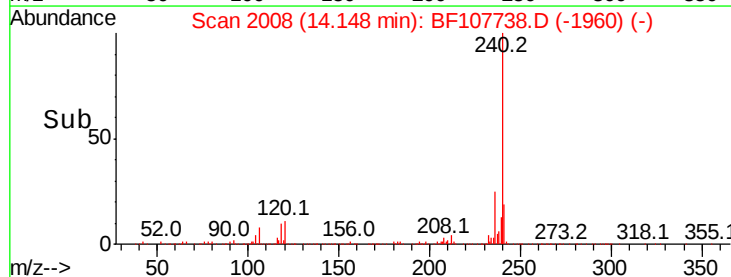
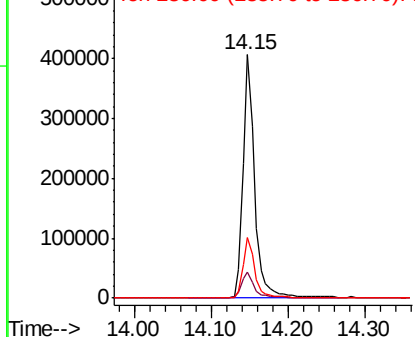


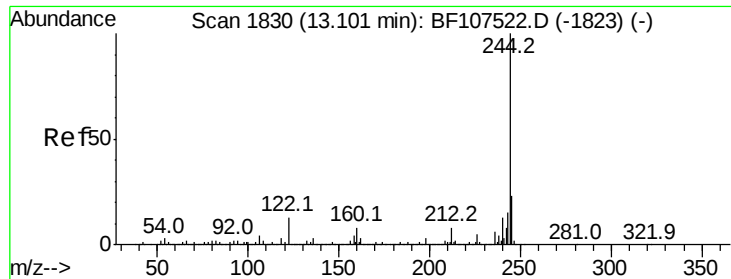
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

Tgt Ion:240 Resp: 430228
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.5 14.3
 236 25.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



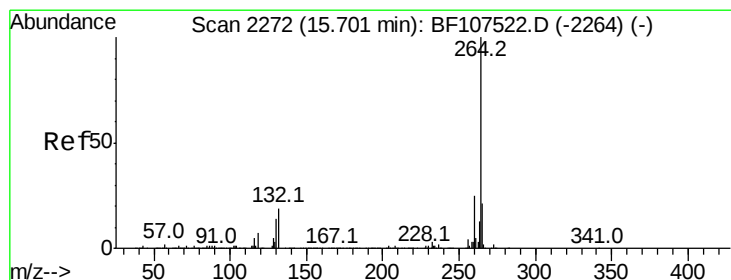
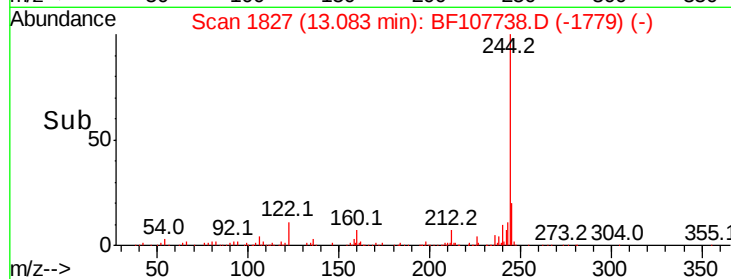
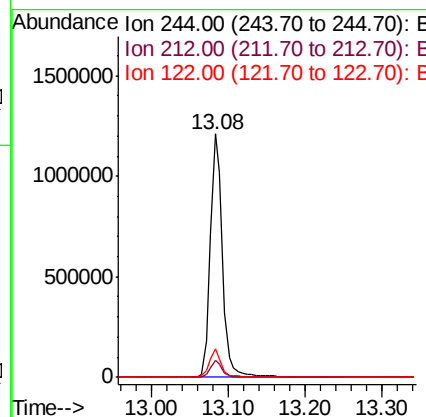
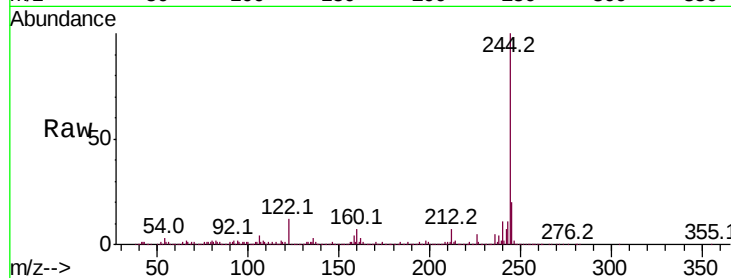


#78
 Terphenyl-d14
 Concen: 78.351 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1316708

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.8	11.0	16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF107738.D
 Acq: 27 Jul 2018 9:56

Tgt Ion:264 Resp: 461594

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.4	17.5	26.3

