

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071818\
 Data File : BF107507.D
 Acq On : 19 Jul 2018 10:41
 Operator : JU/SJ
 Sample : J4006-01DL 20X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RR-BASELINE-WATERDL

Quant Time: Jul 19 13:17:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	99817	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	371185	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	201664	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	375135	20.00	ng	0.00
75) Chrysene-d12	14.17	240	282923	20.00	ng	-0.01
86) Perylene-d12	15.70	264	241069	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	17454	2.66	ng	-0.01
7) Phenol-d6	6.60	99	13790	1.62	ng	-0.01
23) Nitrobenzene-d5	7.54	82	33824	4.86	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	12807	7.23	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	67173	-6.06	ng	-0.01
78) Terphenyl-d14	13.10	244	66247	5.82	ng	-0.01

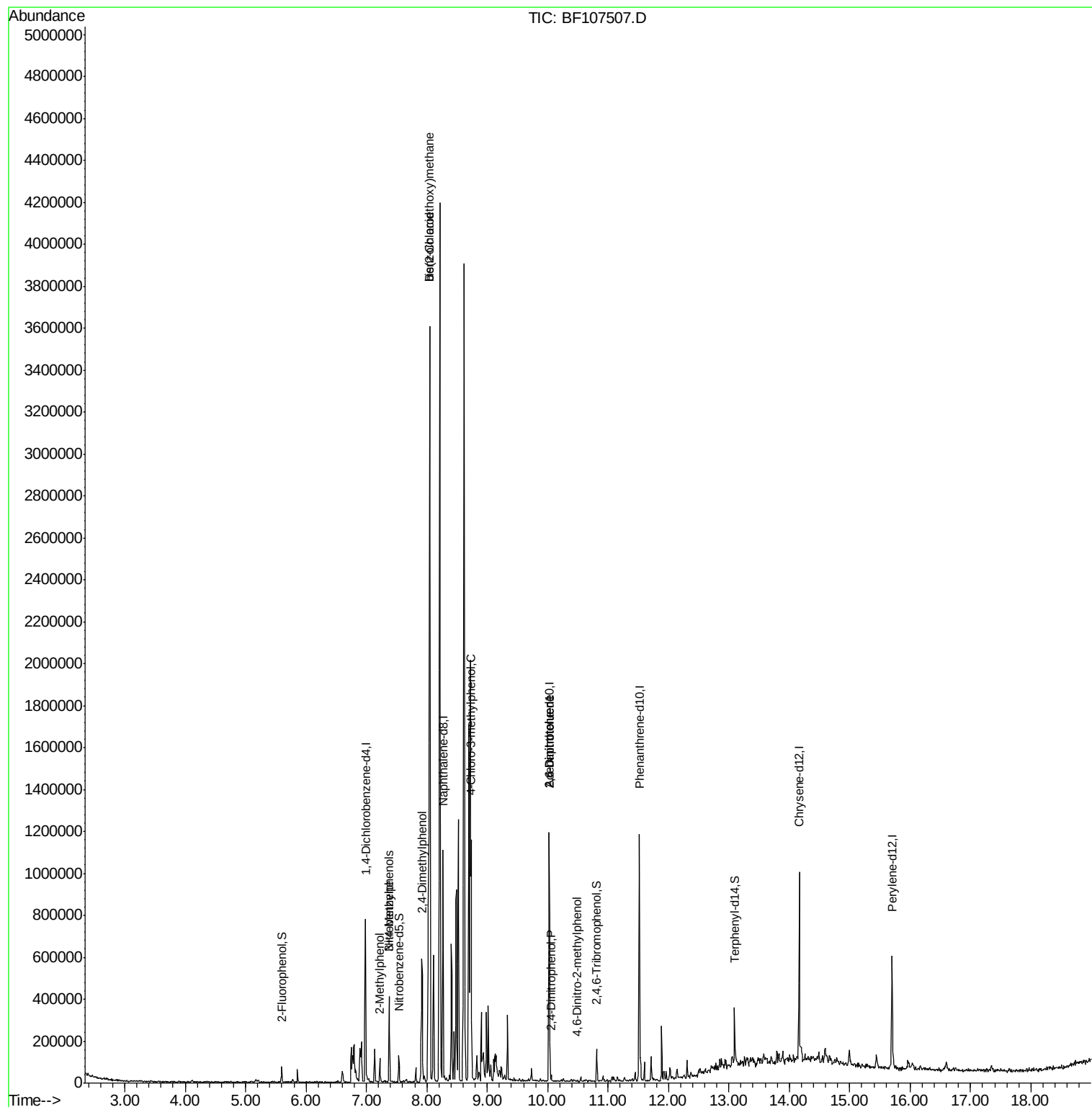
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.22	107	16132	2.553	ng	# 86
20) 3+4-Methylphenols	7.38	107	77463	9.650	ng	# 90
24) Nitrobenzene	7.38	77	32141	4.109	ng	# 45
27) 2,4-Dimethylphenol	7.92	122	106776	19.256	ng	# 78
28) bis(2-Chloroethoxy)methane	8.05	93	53110	6.146	ng	# 27
32) Benzoic acid	8.05	122	701875	206.240	ng	# 24
36) 4-Chloro-3-methylphenol	8.74	107	75382	9.998	ng	# 20
50) 2,6-Dinitrotoluene	10.02	165	25175	8.234	ng	# 30
53) 2,4-Dinitrophenol	10.05	184	151	2.453	ng	# 64
56) 2,4-Dinitrotoluene	10.02	165	25175	6.317	ng	# 28
64) 4,6-Dinitro-2-methylphenol	10.50	198	121	7.540	ng	# 1

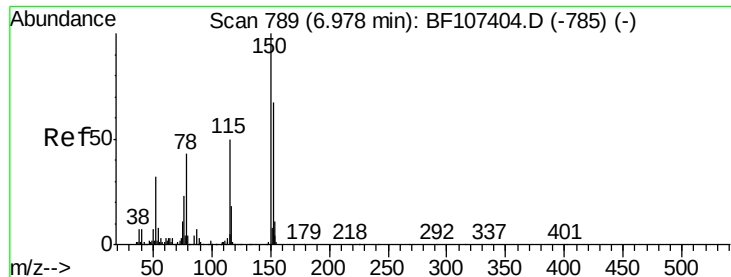
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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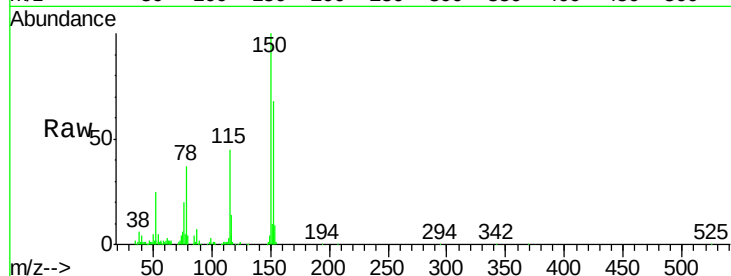


#1

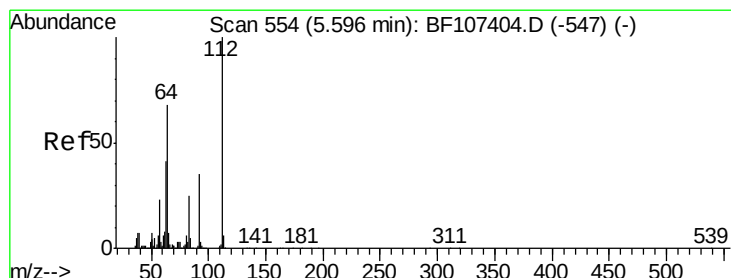
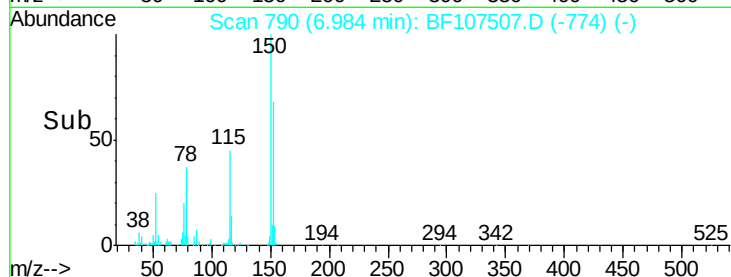
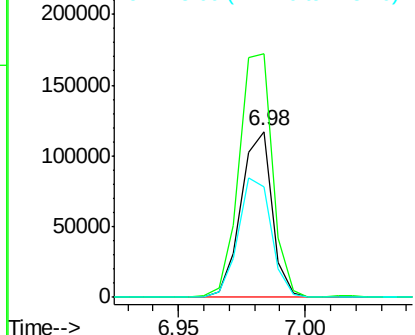
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Instrument :
BNA_F
ClientSampleId :
RR-BASELINE-WATERDL

Tgt Ion:152 Resp: 99817
Ion Ratio Lower Upper
152 100
150 146.8 124.6 186.8
115 66.8 50.1 75.1



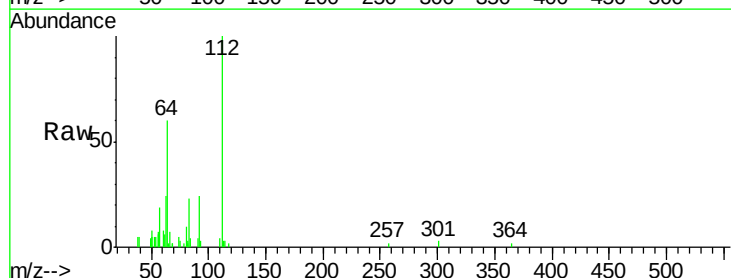
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



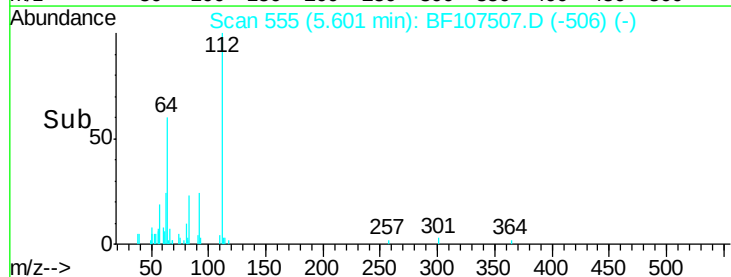
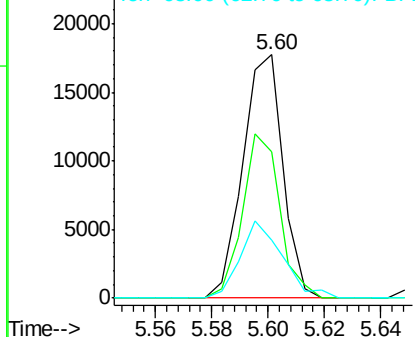
#5

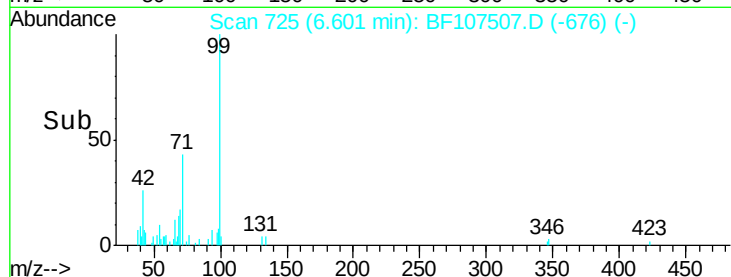
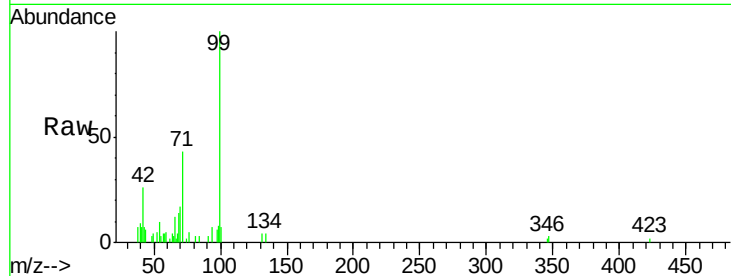
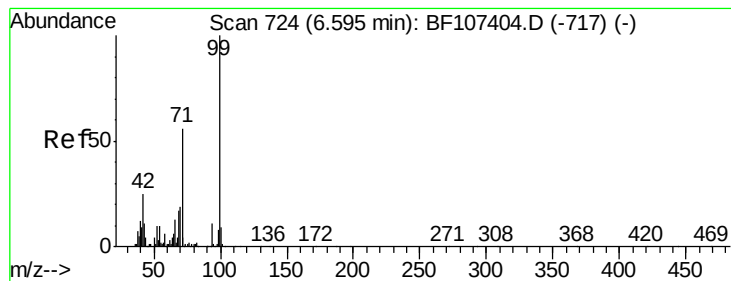
2-Fluorophenol
Concen: 2.656 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Tgt Ion:112 Resp: 17454
Ion Ratio Lower Upper
112 100
64 60.0 47.9 71.9
63 23.6 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: 1.623 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

Instrument :

BNA_F

ClientSampleId :

RR-BASELINE-WATERDL

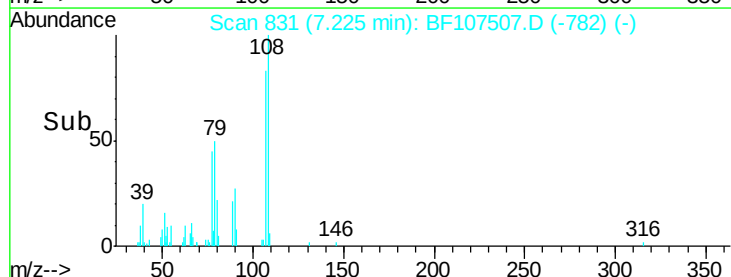
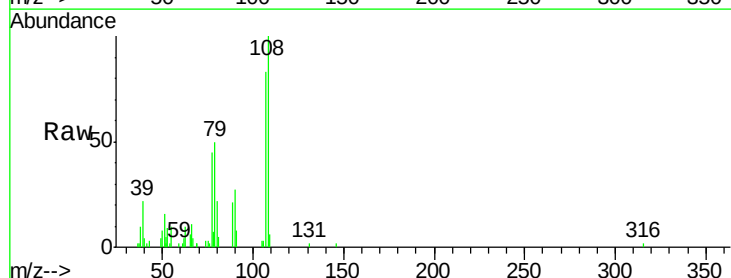
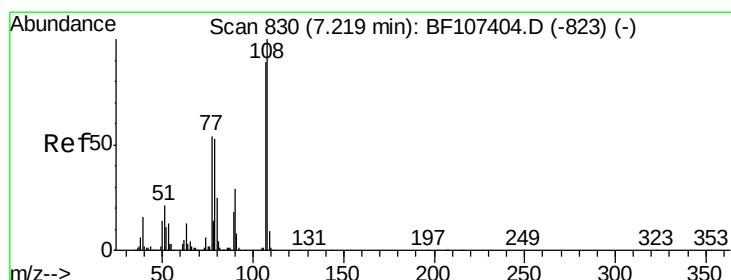
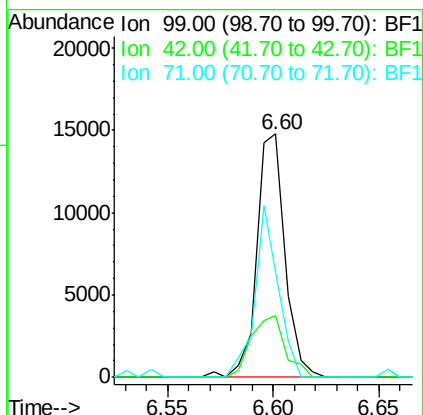
Tgt Ion: 99 Resp: 13790

Ion Ratio Lower Upper

99 100

42 25.6 14.5 21.7#

71 43.3 25.4 38.0#



#17

2-Methylphenol

Concen: 2.553 ng

RT: 7.22 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

Tgt Ion: 107 Resp: 16132

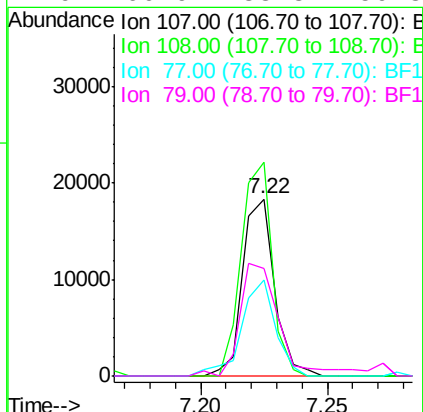
Ion Ratio Lower Upper

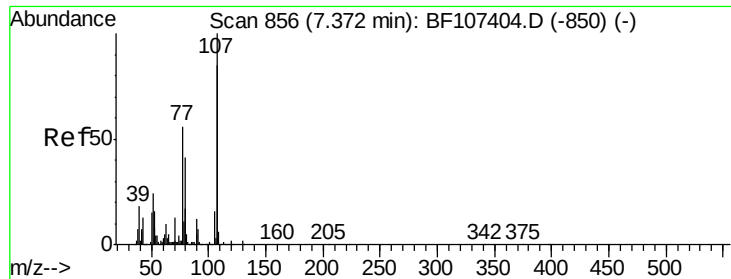
107 100

108 120.8 91.7 137.5

77 54.4 33.8 50.8#

79 60.9 33.8 50.8#

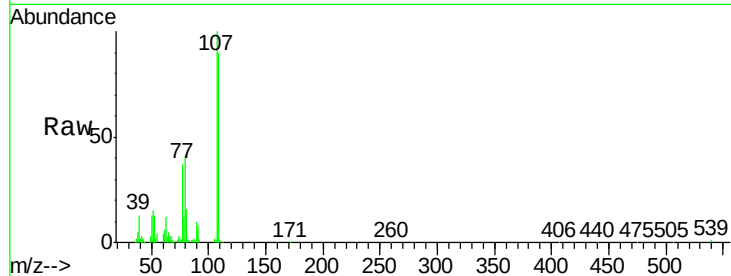




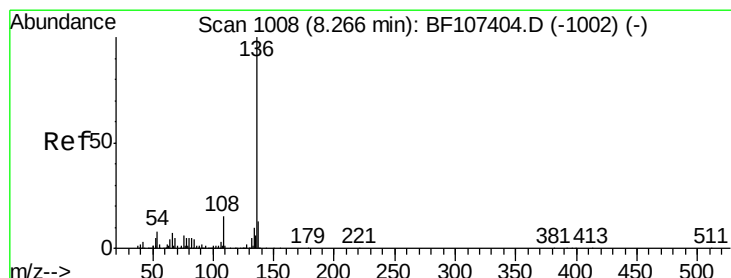
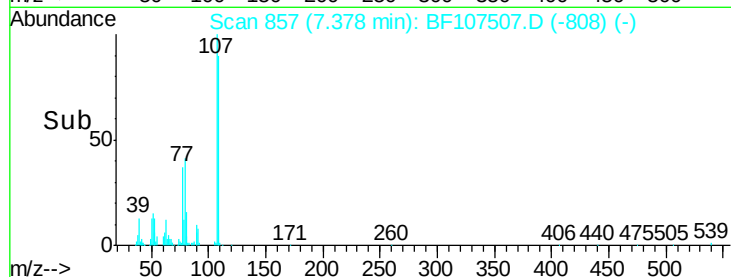
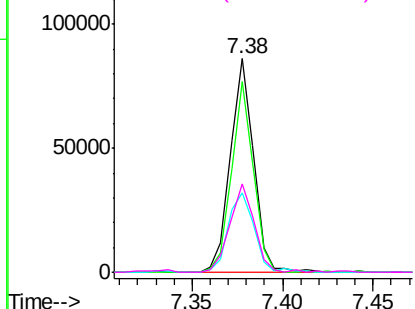
#20
3+4-Methylphenols
Concen: 9.650 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Instrument :
BNA_F
ClientSampleId :
RR-BASELINE-WATERDL

Tgt Ion:107 Resp: 77463
Ion Ratio Lower Upper
107 100
108 89.5 68.2 108.2
77 37.4 26.7 66.7
79 41.4 6.3 46.3

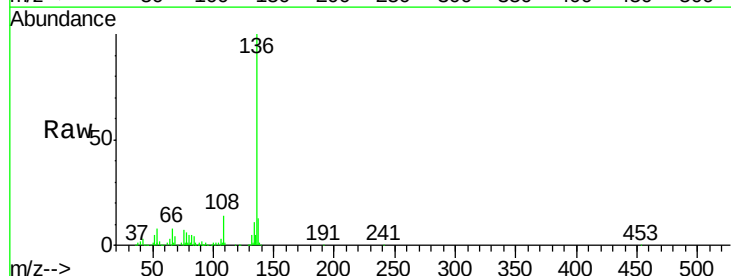


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

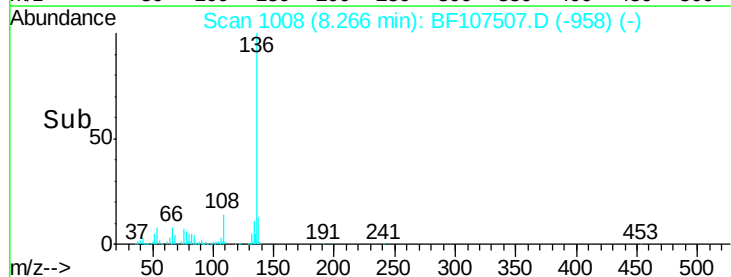
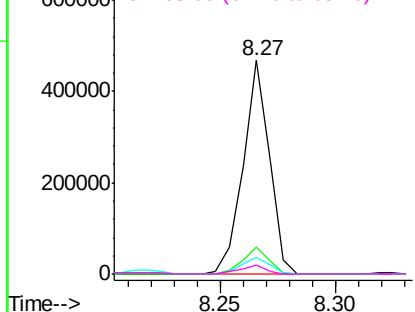


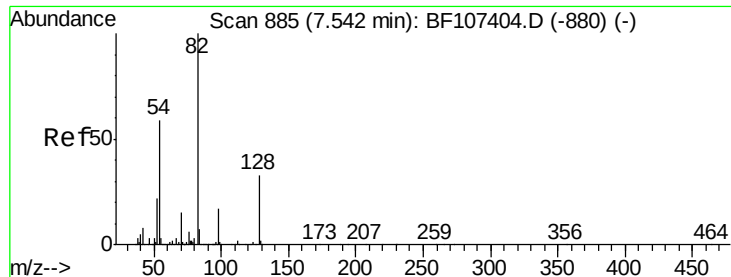
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Tgt Ion:136 Resp: 371185
Ion Ratio Lower Upper
136 100
137 12.5 8.9 13.3
54 7.7 6.6 9.8
68 4.0 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

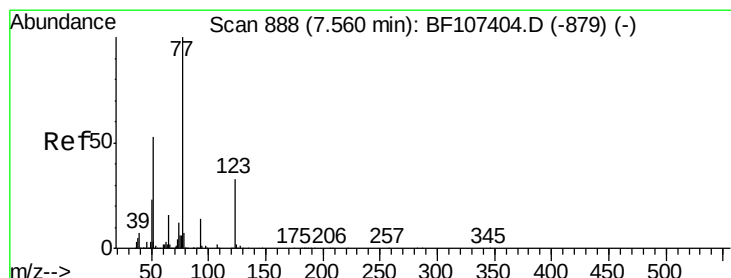
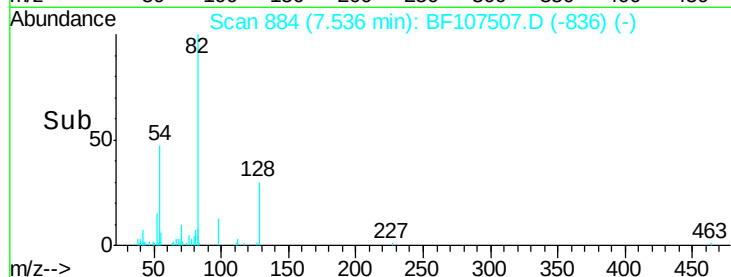
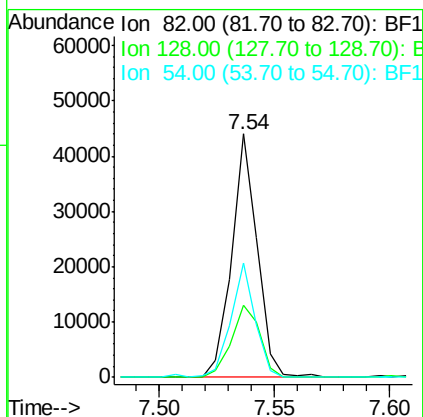
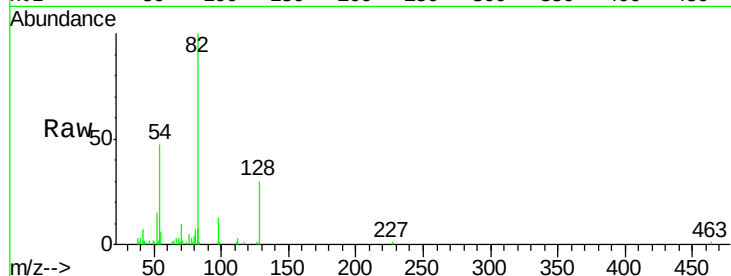




#23
Nitrobenzene-d5
Concen: 4.859 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

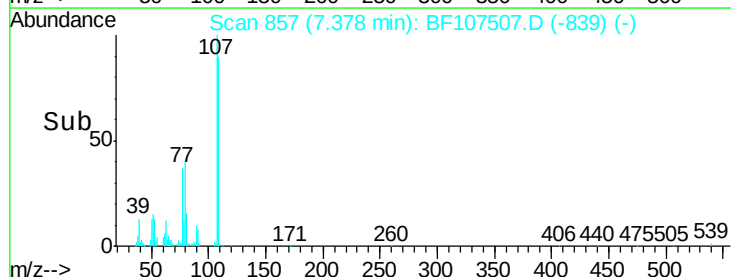
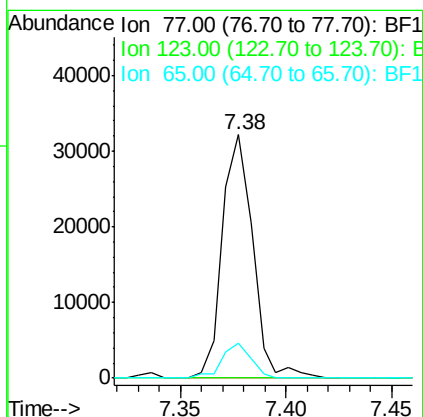
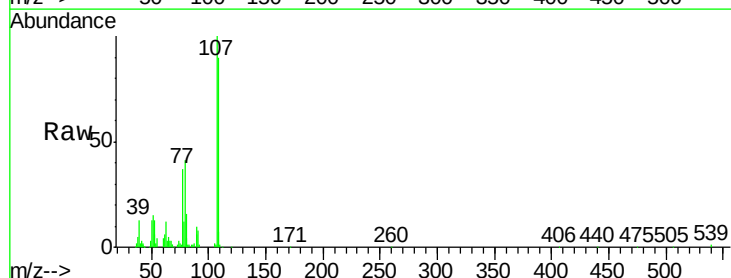
Instrument :
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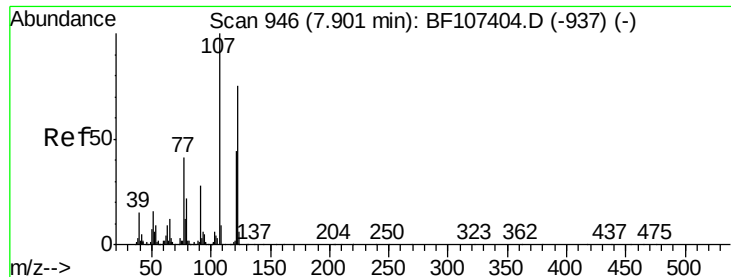
Tgt Ion: 82 Resp: 33824
Ion Ratio Lower Upper
82 100
128 29.8 36.1 54.1#
54 47.1 41.4 62.2



#24
Nitrobenzene
Concen: 4.109 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.19 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Tgt Ion: 77 Resp: 32141
Ion Ratio Lower Upper
77 100
123 0.0 37.9 56.9#
65 14.2 11.0 16.4





#27

2,4-Dimethylphenol

Concen: 19.256 ng

RT: 7.92 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

Instrument :

BNA_F

ClientSampleId :

RR-BASELINE-WATERDL

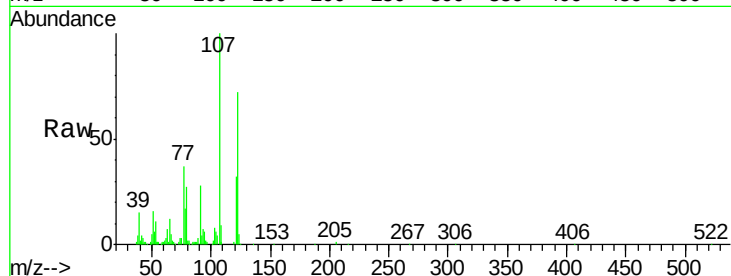
Tgt Ion:122 Resp: 106776

Ion Ratio Lower Upper

122 100

107 139.0 91.2 136.8#

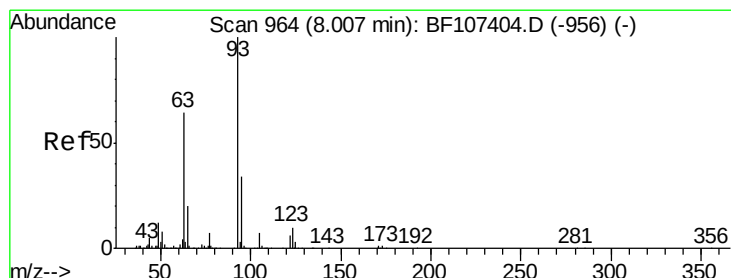
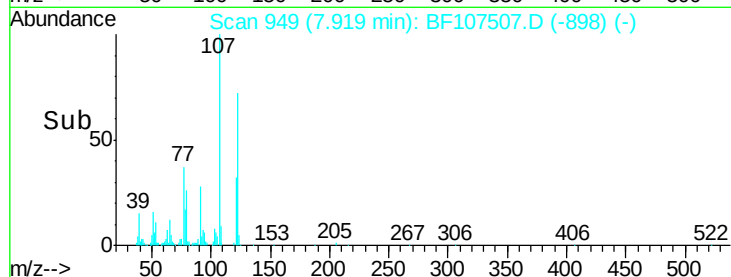
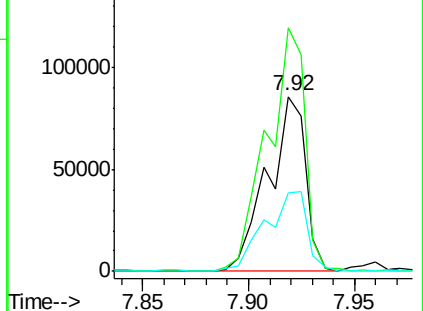
121 44.5 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.146 ng

RT: 8.05 min Scan# 971

Delta R.T. 0.04 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

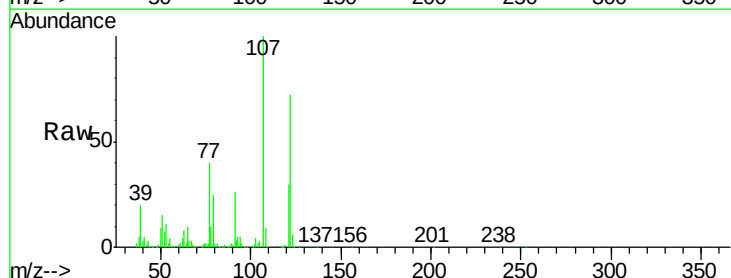
Tgt Ion: 93 Resp: 53110

Ion Ratio Lower Upper

93 100

95 28.6 26.3 39.5

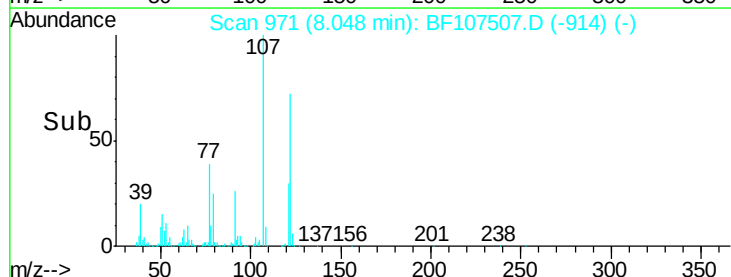
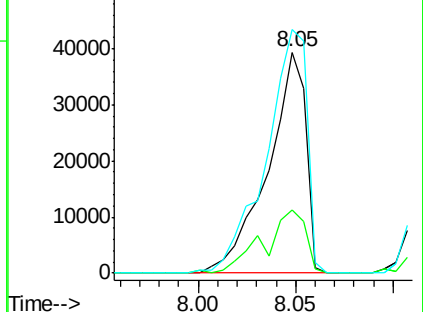
123 110.1 9.8 14.6#

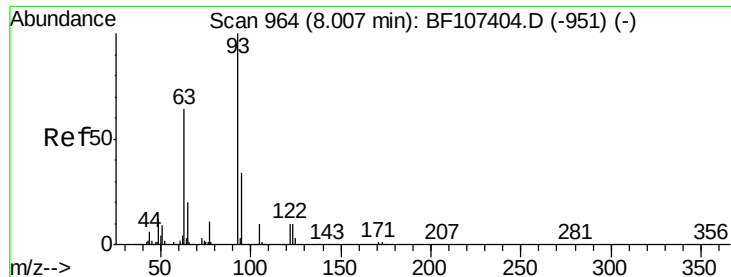


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#32

Benzoic acid

Concen: 206.240 ng

RT: 8.05 min Scan# 971

Delta R.T. 0.02 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

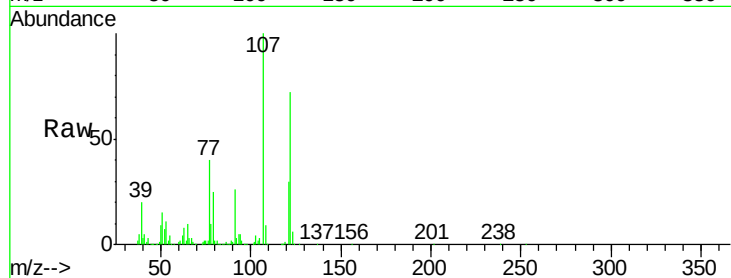
Instrument :

BNA_F

ClientSampleId :

RR-BASELINE-WATERDL

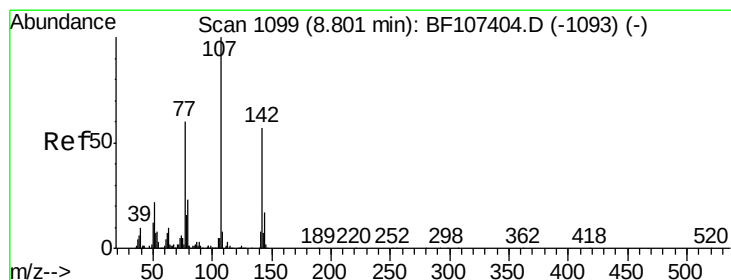
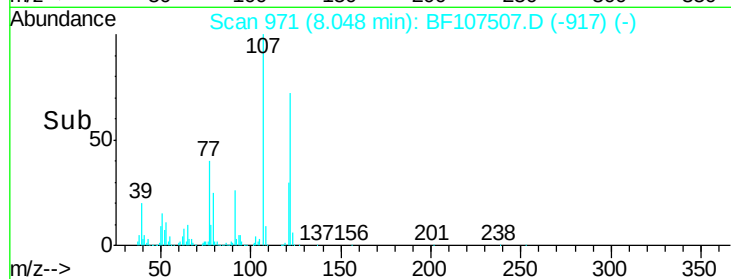
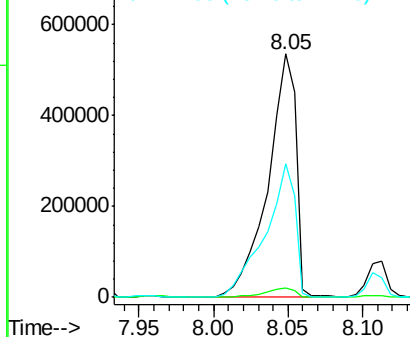
Tgt Ion	Ratio	Lower	Upper
122	100		
105	4.1	101.1	141.1#
77	55.1	70.7	110.7#



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



#36

4-Chloro-3-methylphenol

Concen: 9.998 ng

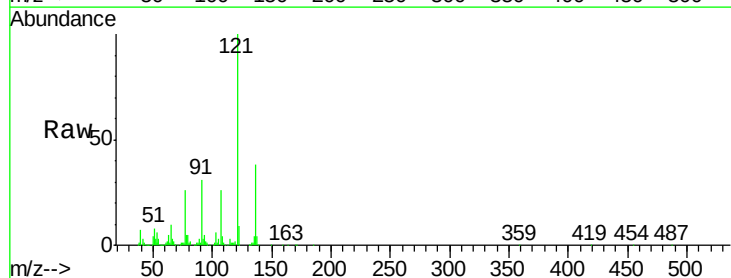
RT: 8.74 min Scan# 1088

Delta R.T. -0.08 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

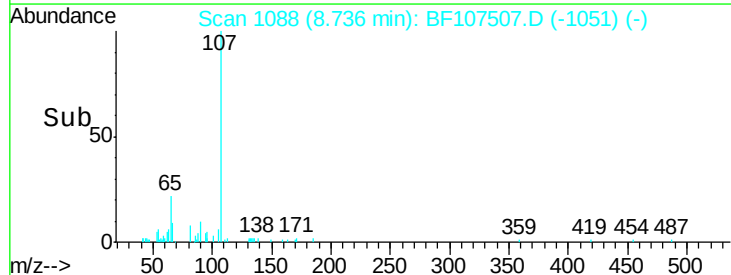
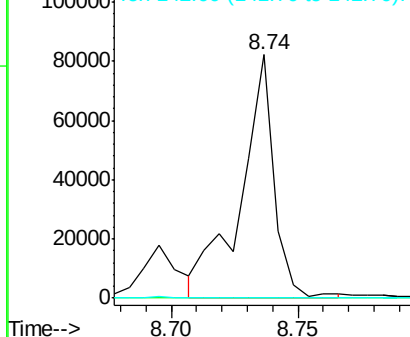
Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.5	30.7#
142	0.0	62.0	93.0#

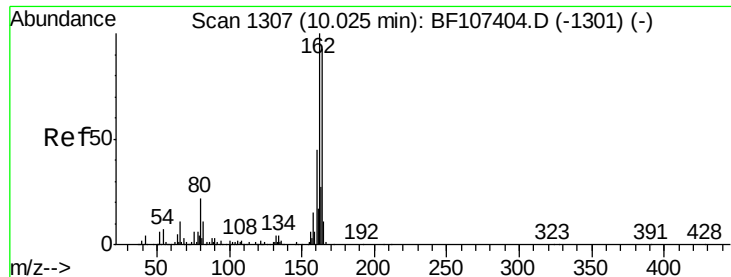


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

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RR-BASELINE-WATERDL

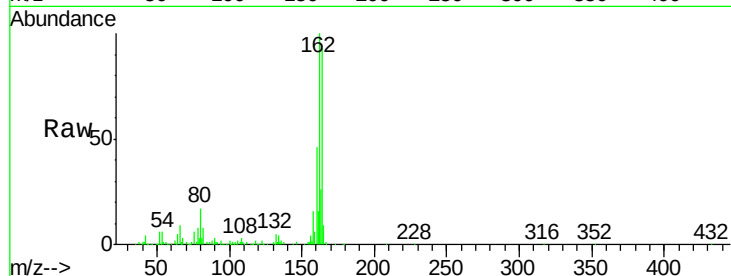
Tgt Ion:164 Resp: 201664

Ion Ratio Lower Upper

164 100

162 107.3 86.1 129.1

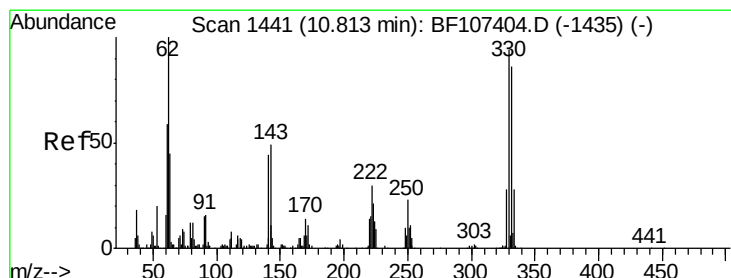
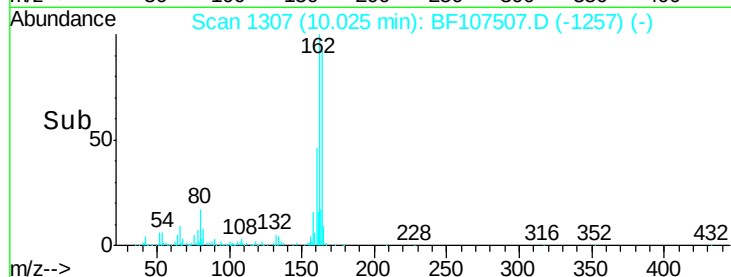
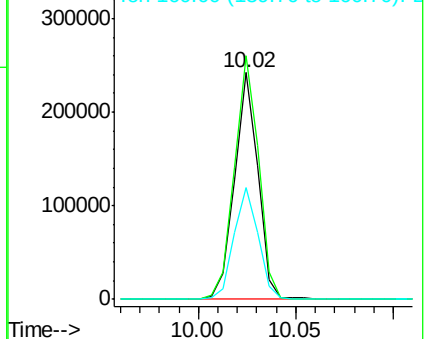
160 49.4 38.3 57.5



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: 7.228 ng

RT: 10.81 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

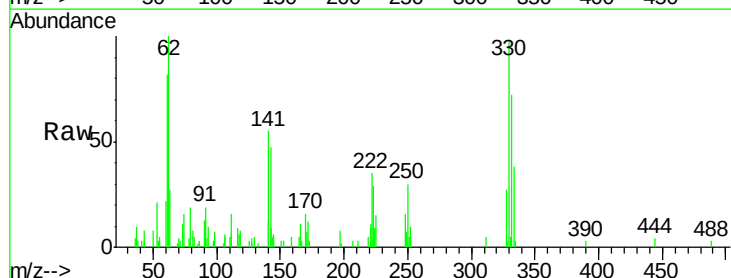
Tgt Ion:330 Resp: 12807

Ion Ratio Lower Upper

330 100

332 77.6 77.0 115.6

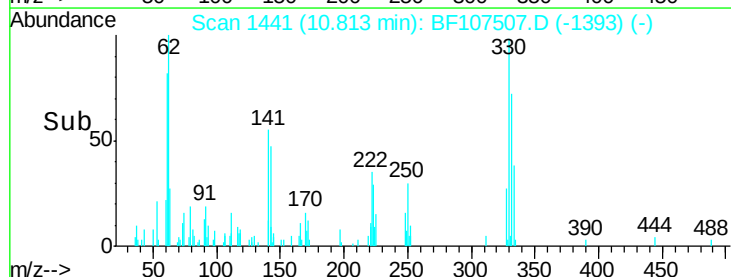
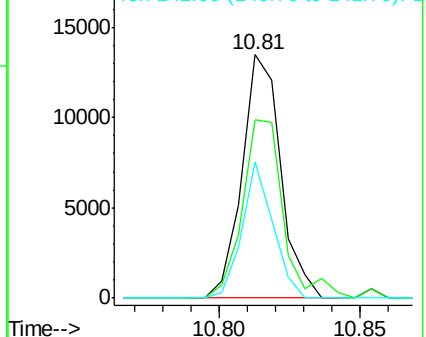
141 44.4 29.9 44.9

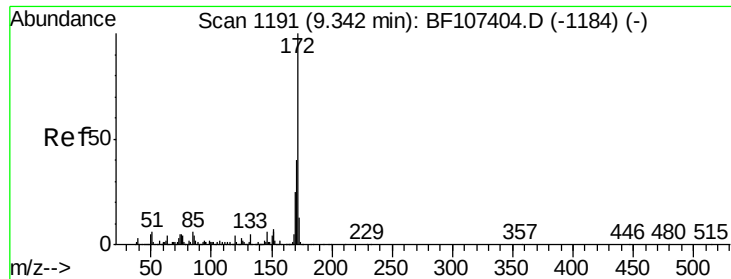


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

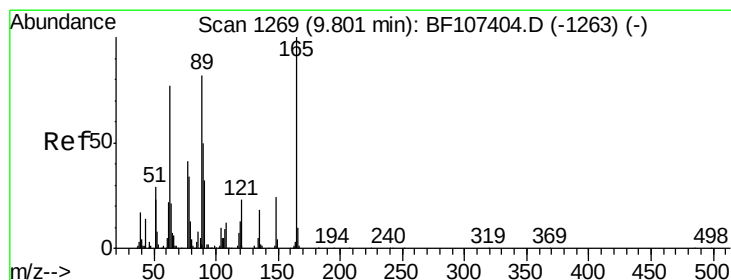
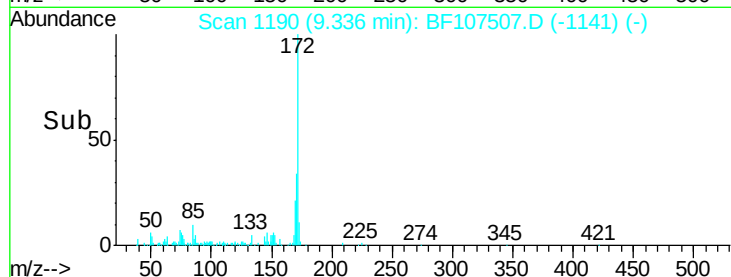
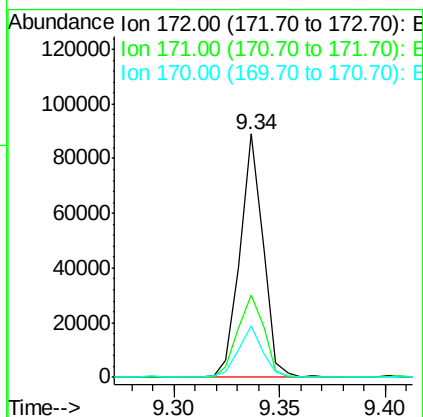
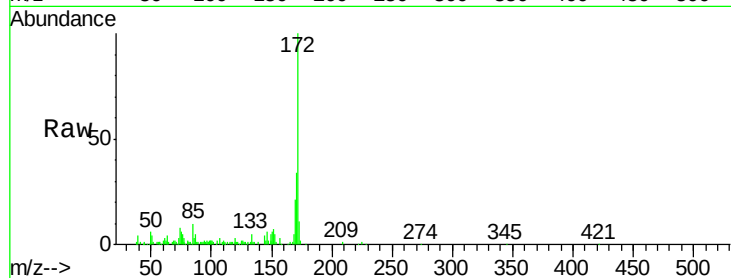




#44
2-Fluorobiphenyl
Concen: -6.058 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

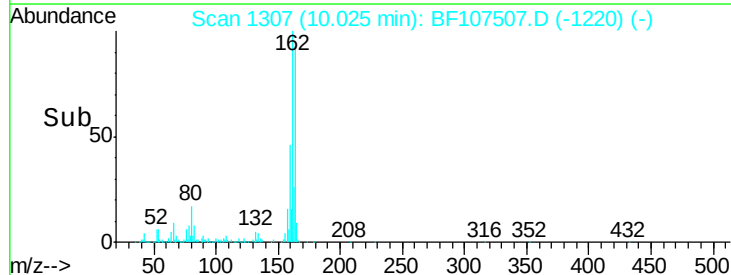
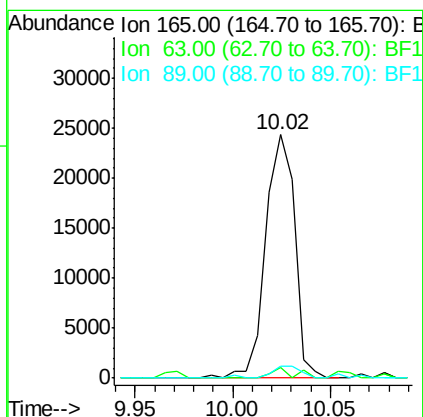
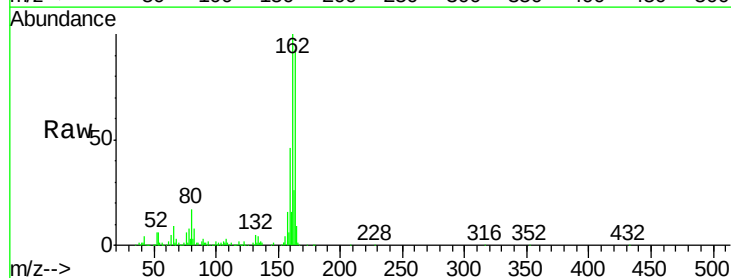
Instrument :
BNA_F
ClientSampleId :
RR-BASELINE-WATERDL

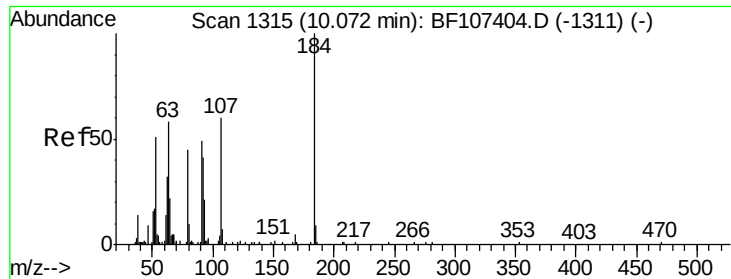
Tgt Ion:172 Resp: 67173
Ion Ratio Lower Upper
172 100
171 33.9 29.7 44.5
170 21.4 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 8.234 ng
RT: 10.02 min Scan# 1307
Delta R.T. 0.21 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Tgt Ion:165 Resp: 25175
Ion Ratio Lower Upper
165 100
63 4.6 44.7 67.1#
89 5.1 44.0 66.0#

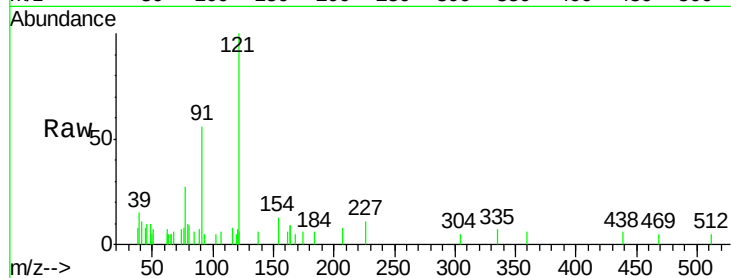




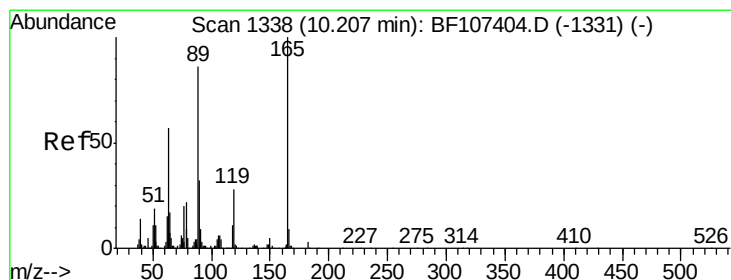
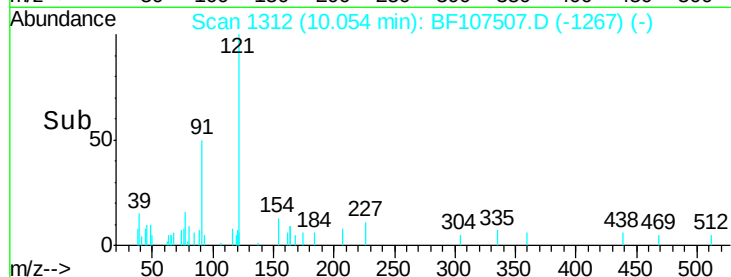
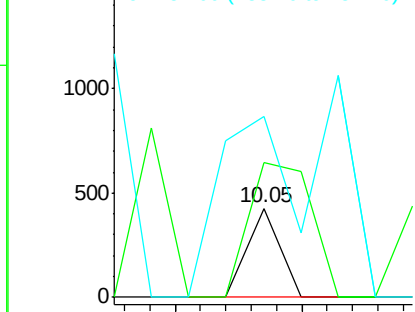
#53
2,4-Dinitrophenol
Concen: 2.453 ng
RT: 10.05 min Scan# 1312
Delta R.T. -0.04 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Instrument :
BNA_F
ClientSampleId :
RR-BASELINE-WATERDL

Tgt Ion:184 Resp: 151
Ion Ratio Lower Upper
184 100
63 152.0 54.2 81.2#
154 203.7 184.0 276.0

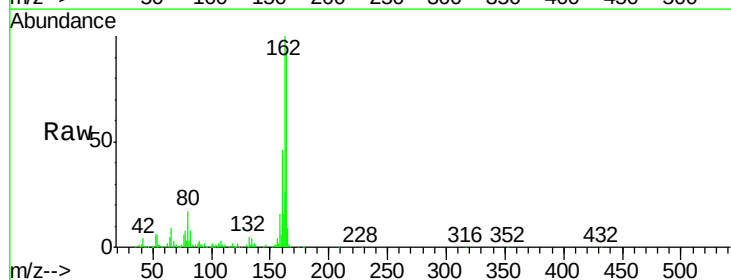


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

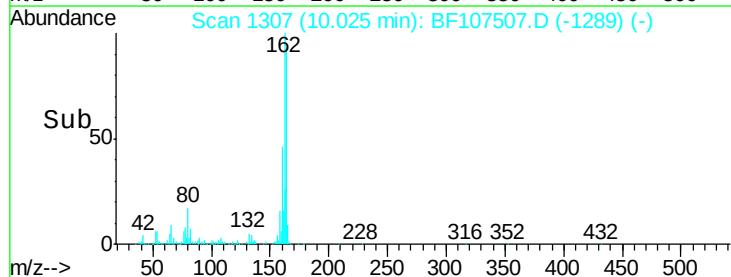
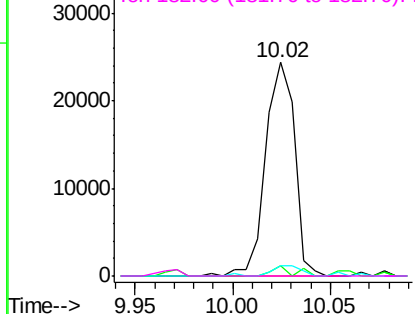


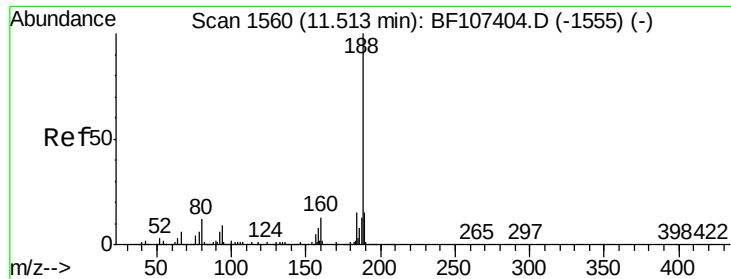
#56
2,4-Dinitrotoluene
Concen: 6.317 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Tgt Ion:165 Resp: 25175
Ion Ratio Lower Upper
165 100
63 4.6 36.4 54.6#
89 5.1 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

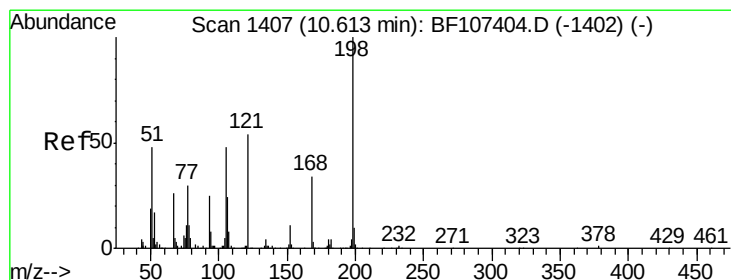
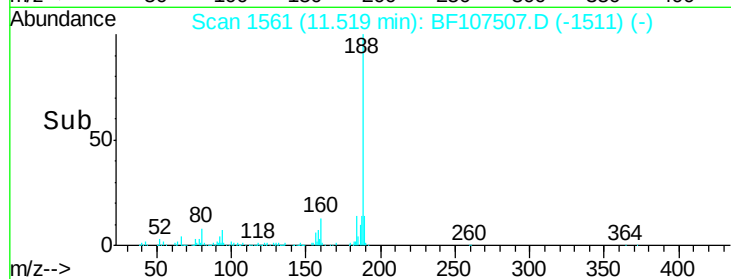
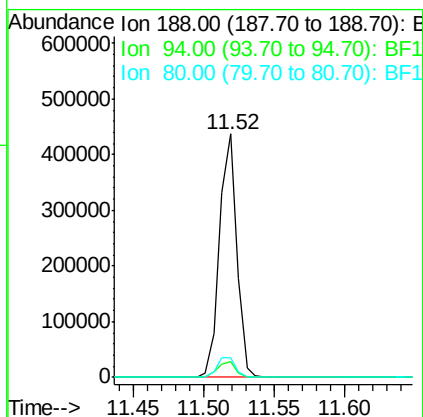
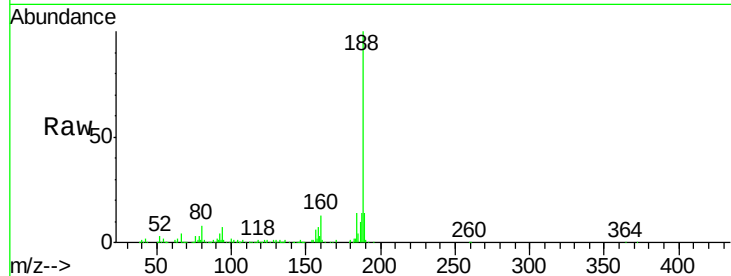




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107507.D
 Acq: 19 Jul 2018 10:41

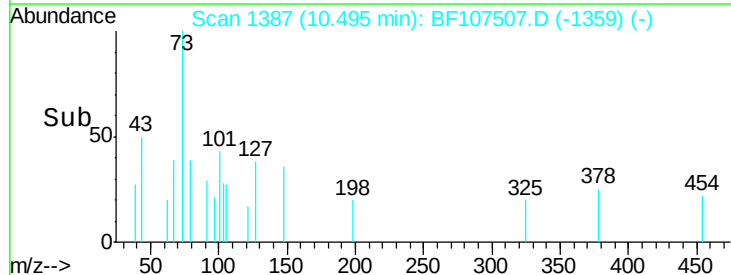
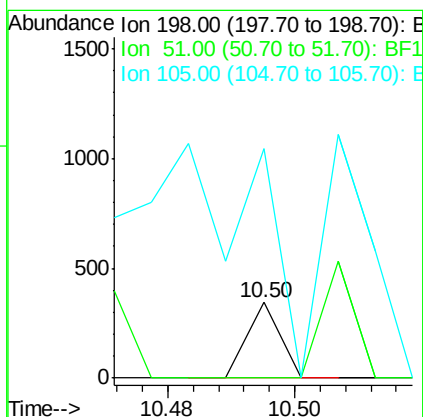
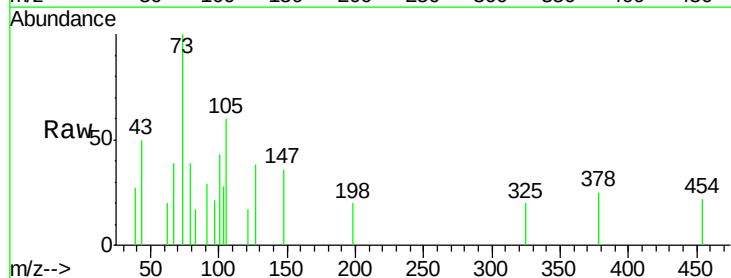
Instrument :
 BNA_F
 ClientSampleId :
 RR-BASELINE-WATERDL

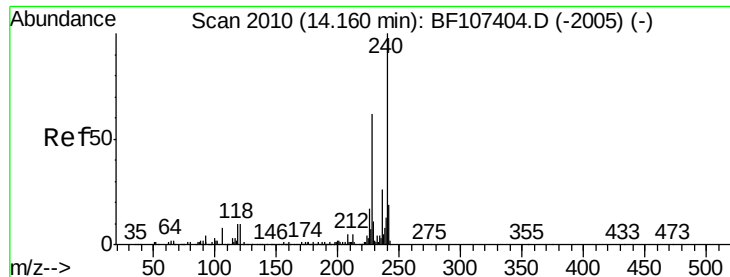
Tgt Ion:188 Resp: 375135
 Ion Ratio Lower Upper
 188 100
 94 6.7 8.5 12.7#
 80 7.8 9.2 13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.540 ng
 RT: 10.50 min Scan# 1387
 Delta R.T. -0.14 min
 Lab File: BF107507.D
 Acq: 19 Jul 2018 10:41

Tgt Ion:198 Resp: 121
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 303.5 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

Instrument :

BNA_F

ClientSampleId :

RR-BASELINE-WATERDL

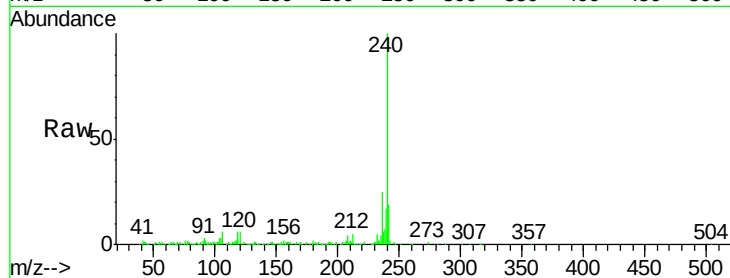
Tgt Ion:240 Resp: 282923

Ion Ratio Lower Upper

240 100

120 6.0 9.5 14.3#

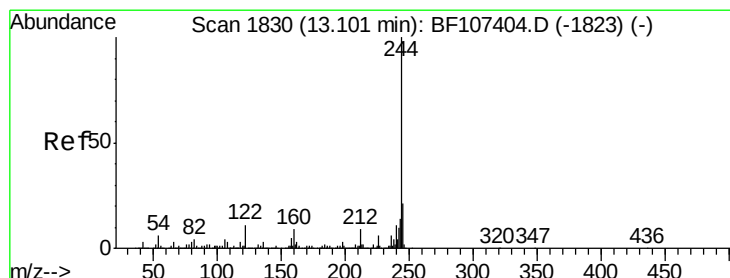
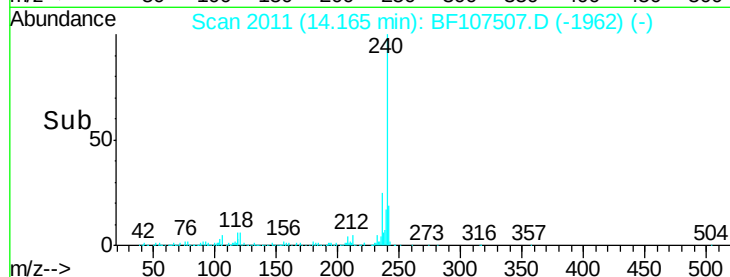
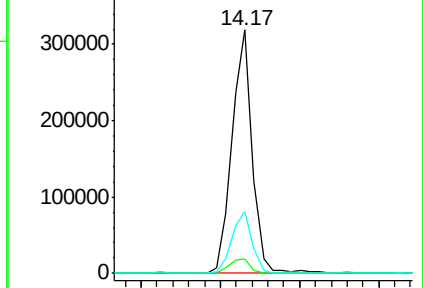
236 25.4 20.7 31.1



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: 5.818 ng

RT: 13.10 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF107507.D

Acq: 19 Jul 2018 10:41

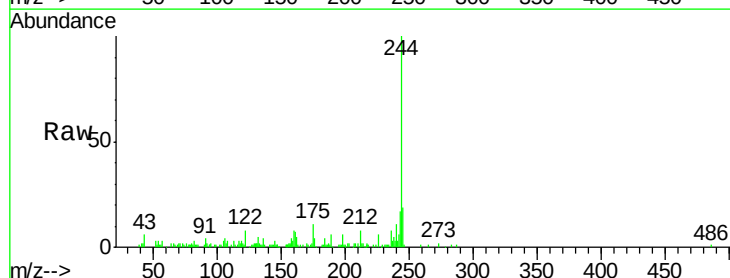
Tgt Ion:244 Resp: 66247

Ion Ratio Lower Upper

244 100

212 8.2 5.4 8.0#

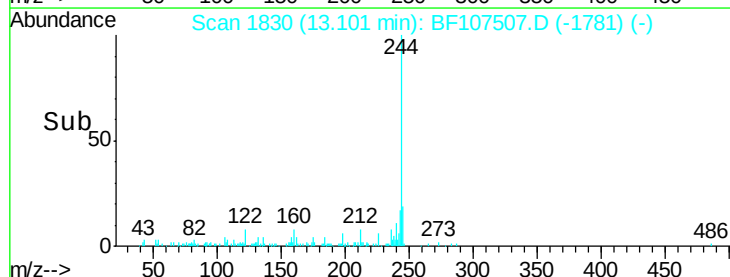
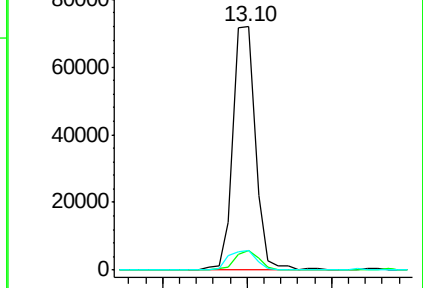
122 7.8 11.0 16.4#

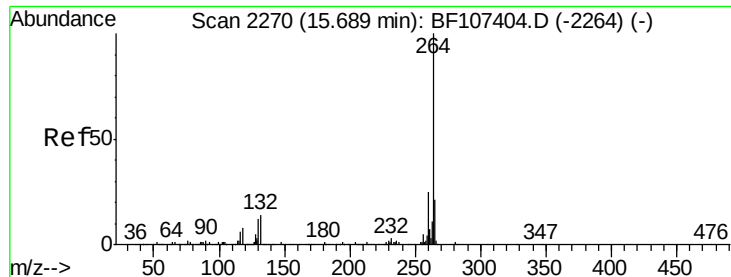


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

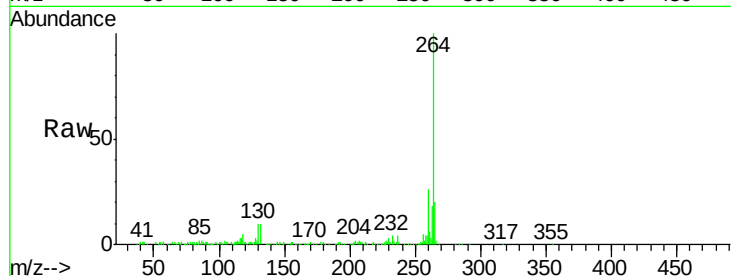




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF107507.D
Acq: 19 Jul 2018 10:41

Instrument :
BNA_F
ClientSampleId :
RR-BASELINE-WATERDL

Tgt Ion:	264	Resp:	241069
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	20.4	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

