

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
 Data File : BF107661.D
 Acq On : 25 Jul 2018 17:07
 Operator : JU/SJ
 Sample : J4126-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 18:44:21 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	211373	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	785126	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	322506	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	429837	20.00	ng	0.00
75) Chrysene-d12	14.18	240	278469	20.00	ng	0.02
86) Perylene-d12	15.71	264	361393	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	548179	41.70	ng	-0.01
7) Phenol-d6	6.60	99	711613	45.08	ng	-0.02
23) Nitrobenzene-d5	7.53	82	392600	33.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	148288	40.43	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	620014	25.43	ng	-0.01
78) Terphenyl-d14	13.09	244	485062	44.59	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	1497	Below Cal	#	1
25) Isophorone	7.53	82	388904	15.657	ng	65
31) Naphthalene	8.27	128	1452463	42.070	ng	98
32) Benzoic acid	8.03	122	758	7.985	ng	1
33) 4-Chloroaniline	8.27	127	197159	13.065	ng	32
37) 2-Methylnaphthalene	8.97	142	550011	22.989	ng	98
45) 1,1'-Biphenyl	9.43	154	1546634	55.052	ng	98
47) 2-Nitroaniline	9.60	65	13336	2.130	ng	23
48) Acenaphthylene	9.88	152	1074974	33.324	ng	99
49) Dimethylphthalate	9.72	163	143111	5.888	ng	98
50) 2,6-Dinitrotoluene	9.70	165	14522	3.009	ng	53
51) Acenaphthene	10.07	154	3997112	197.762	ng	96
53) 2,4-Dinitrophenol	10.10	184	608	8.650	ng	1
54) Dibenzofuran	10.22	168	771192	25.917	ng	99
55) 4-Nitrophenol	10.11	139	47629	10.836	ng	25
56) 2,4-Dinitrotoluene	10.21	165	16608	2.851	ng	46
57) Fluorene	10.58	166	3218149	151.597	ng	95
64) 4,6-Dinitro-2-methylphenol	10.87	198	6223	11.137	ng	86
65) n-Nitrosodiphenylamine	10.70	169	67027	4.591	ng	1
70) Phenanthrene	11.56	178	10656533	508.760	ng	90
71) Anthracene	11.62	178	4590379	217.661	ng	89
73) Di-n-butylphthalate	12.05	149	8013	Below Cal	#	1
74) Fluoranthene	12.75	202	7769494	345.668	ng	94
77) Pyrene	12.91	202	541289	28.418	ng	96
80) Benzo(a)anthracene	14.17	228	4492829	275.316	ng	69
81) 3,3'-Dichlorobenzidine	14.12	252	3011	Below Cal	#	42
82) Chrysene	14.21	228	3199348	204.094	ng	89
85) Indeno(1,2,3-cd)pyrene	17.31	276	1940568	146.064	ng	88
87) Benzo(b)fluoranthene	15.27	252	5135179	259.633	ng	96
88) Benzo(k)fluoranthene	15.27	252	5135179	265.006	ng	98
89) Benzo(a)pyrene	15.67	252	3916333	216.466	ng	96
90) Dibenz(a,h)anthracene	17.38	278	218634	13.980	ng	93
91) Benzo(g,h,i)perylene	17.80	276	1972626	127.873	ng	92

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QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

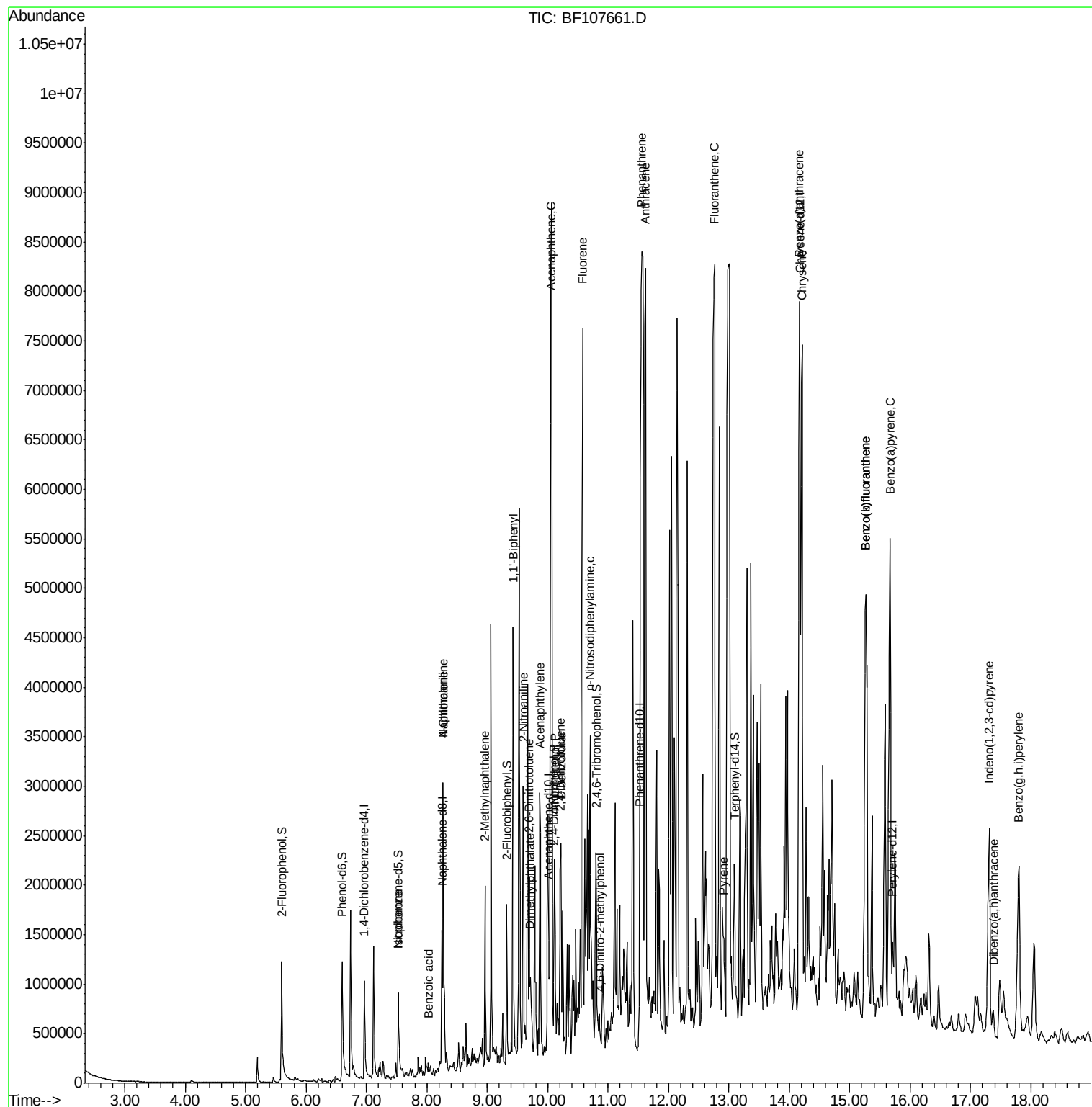
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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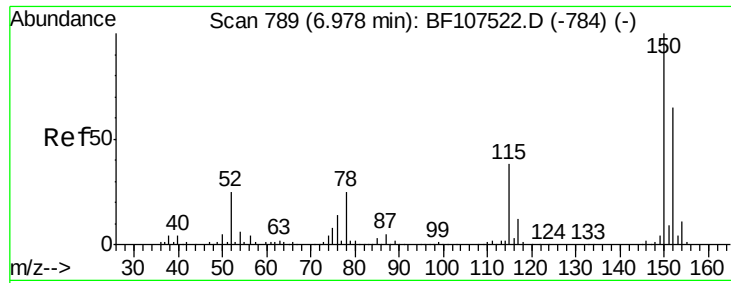
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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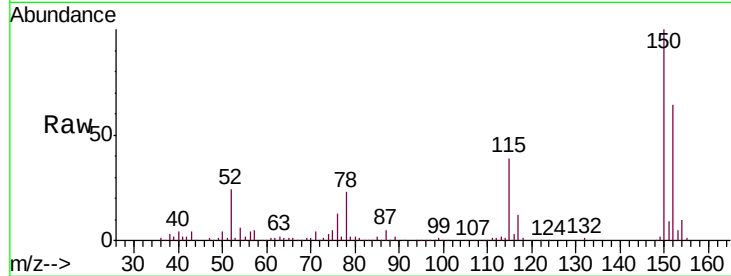


#1

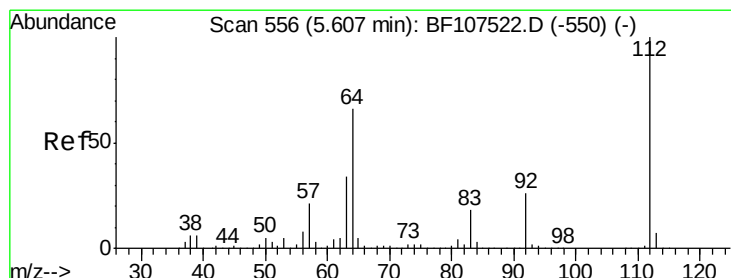
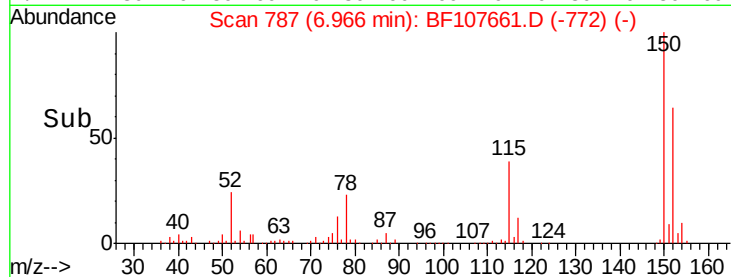
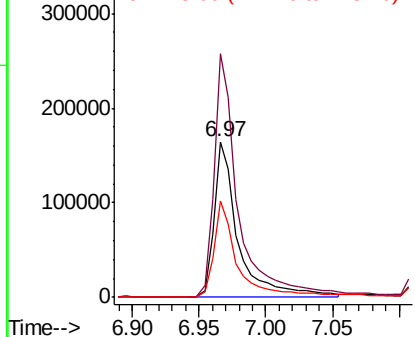
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 211373
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.7 50.1 75.1



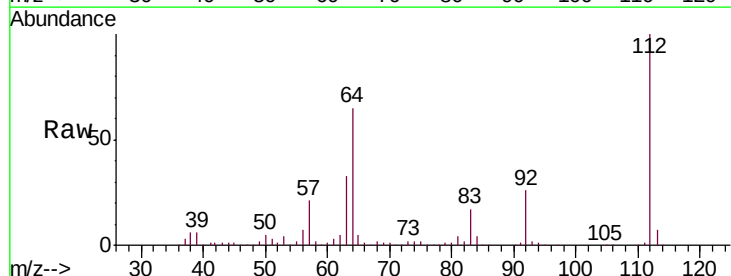
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



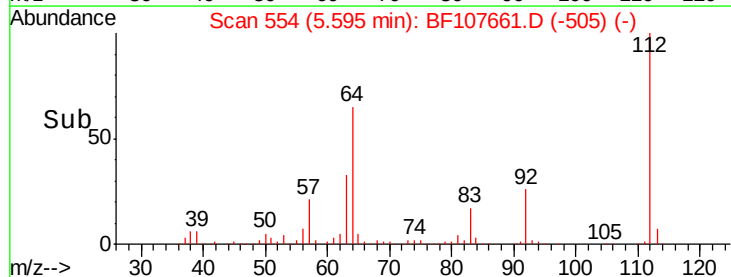
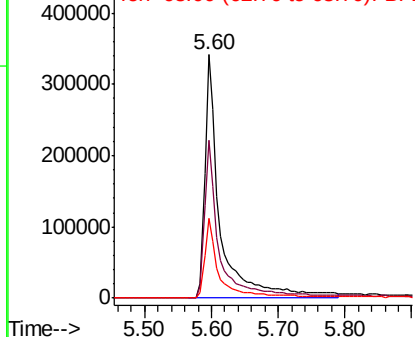
#5

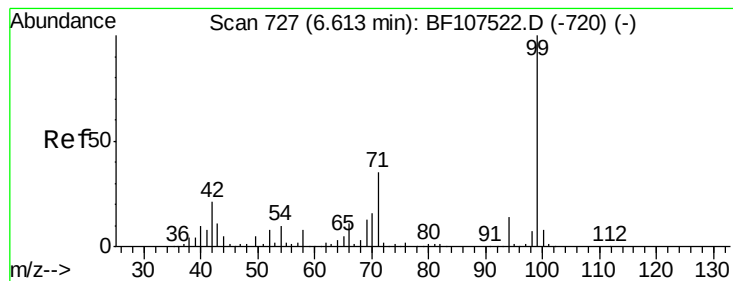
2-Fluorophenol
Concen: 41.697 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:112 Resp: 548179
Ion Ratio Lower Upper
112 100
64 64.7 47.9 71.9
63 32.8 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: 45.080 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampled :

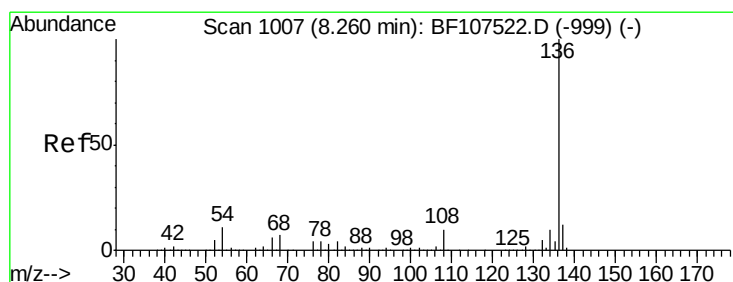
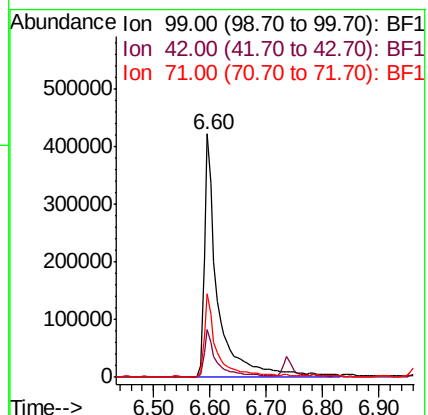
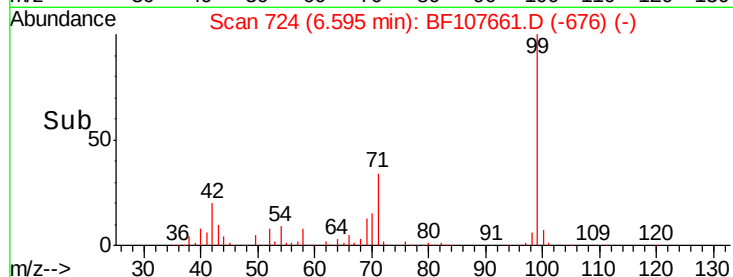
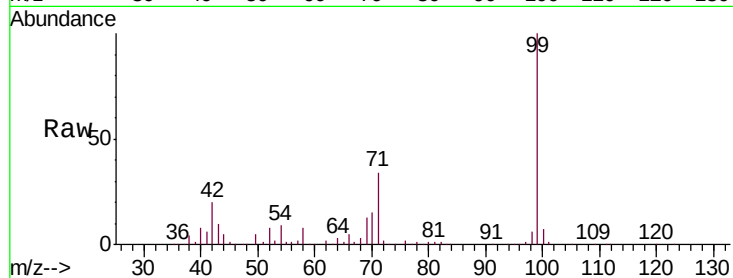
Tgt Ion: 99 Resp: 711613

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 34.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Tgt Ion: 136 Resp: 785126

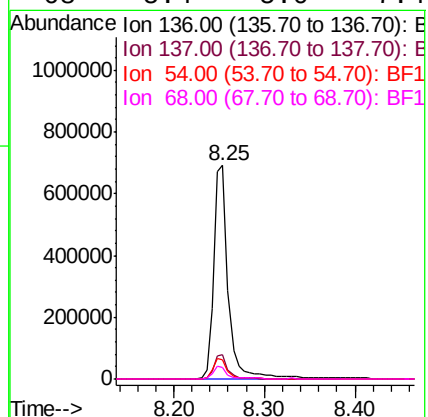
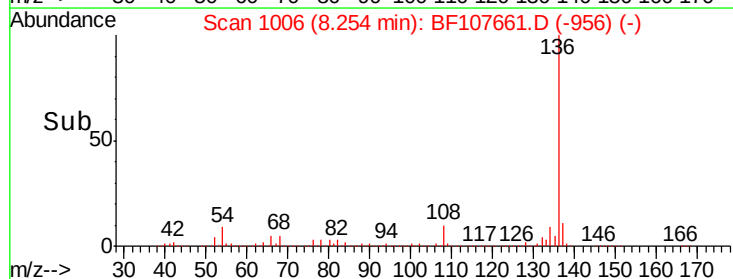
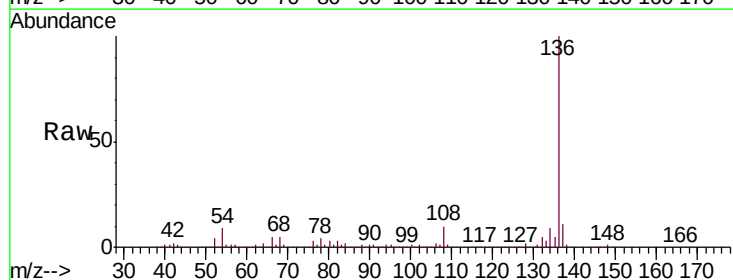
Ion Ratio Lower Upper

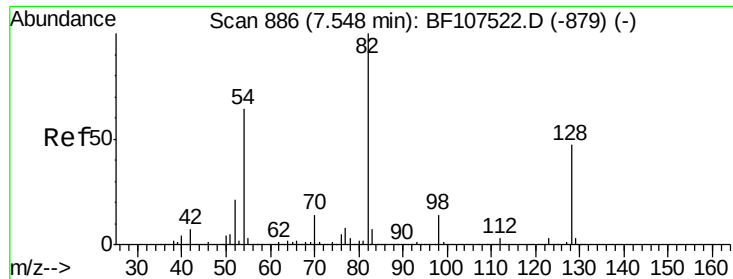
136 100

137 11.2 8.9 13.3

54 8.9 6.6 9.8

68 5.4 5.0 7.4

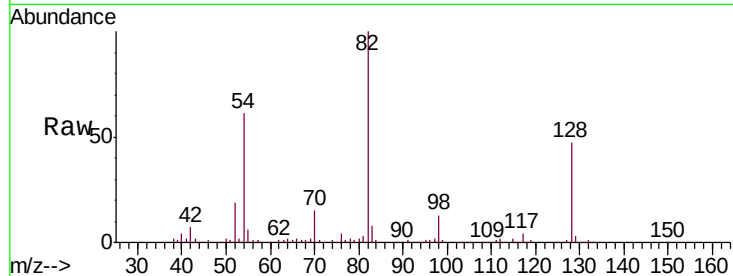




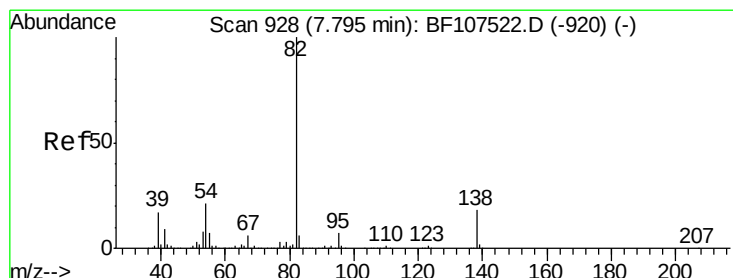
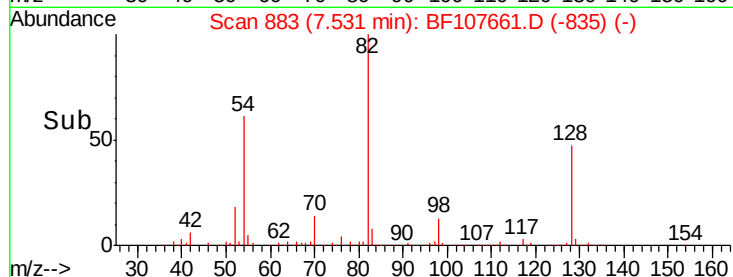
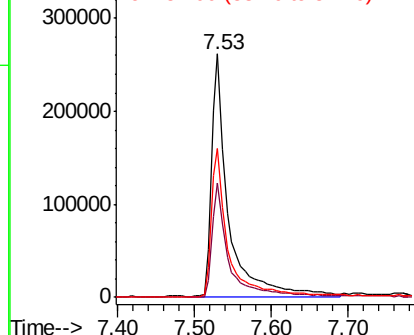
#23
Nitrobenzene-d5
Concen: 33.747 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 392600
Ion Ratio Lower Upper
82 100
128 46.8 36.1 54.1
54 61.3 41.4 62.2

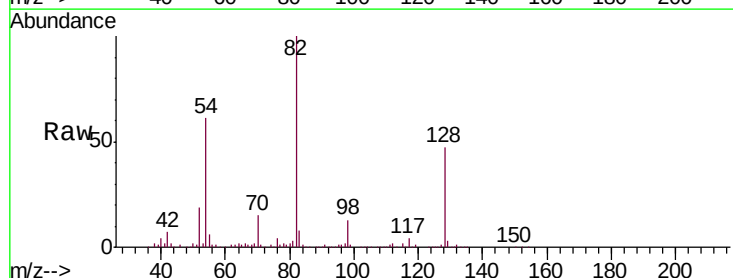


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

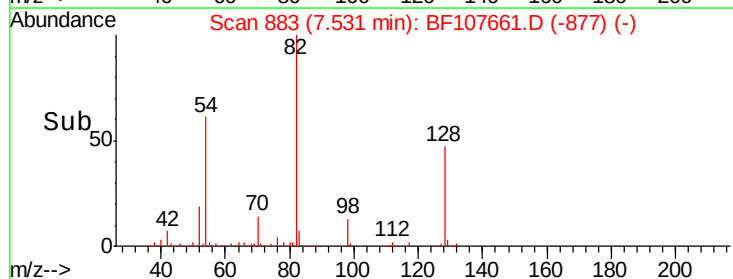
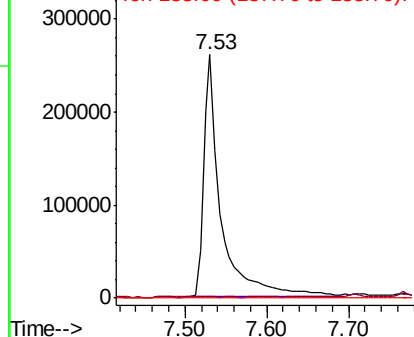


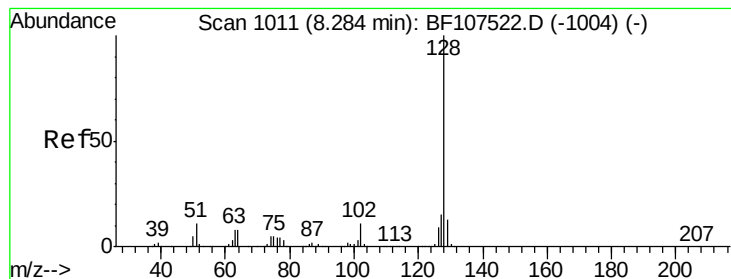
#25
Isophorone
Concen: 15.657 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion: 82 Resp: 388904
Ion Ratio Lower Upper
82 100
95 0.8 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 42.070 ng

RT: 8.27 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

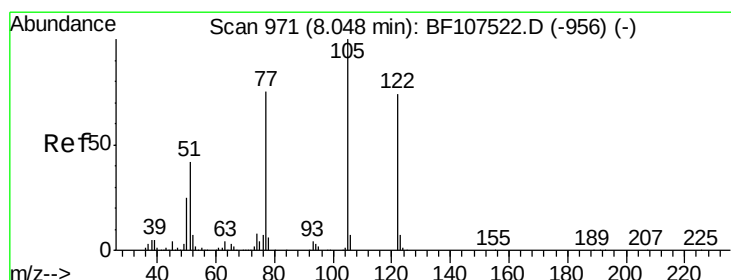
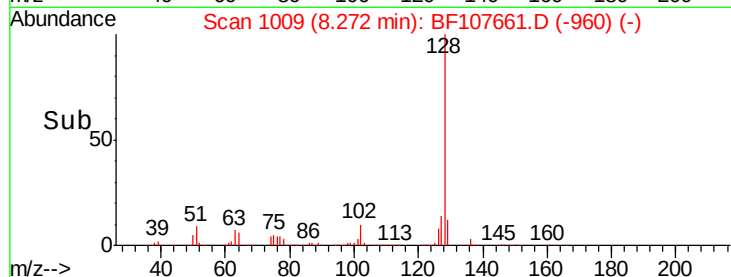
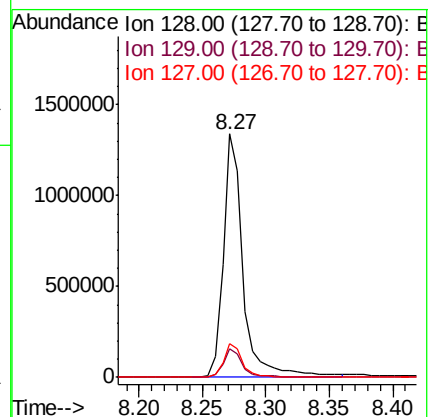
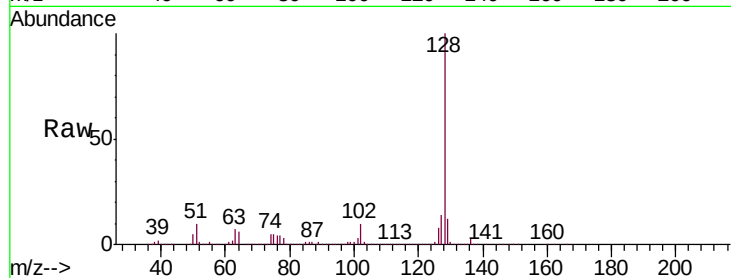
Tgt Ion:128 Resp: 1452463

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

127 14.1 10.9 16.3



#32

Benzoic acid

Concen: 7.985 ng

RT: 8.03 min Scan# 968

Delta R.T. -0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

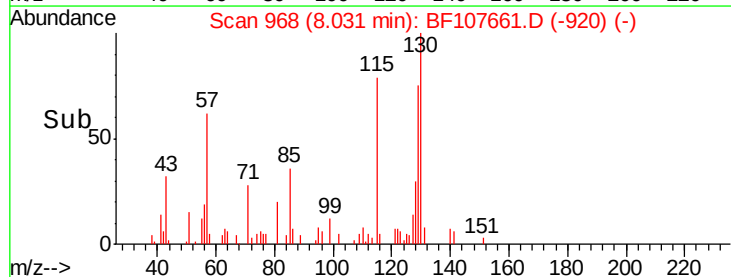
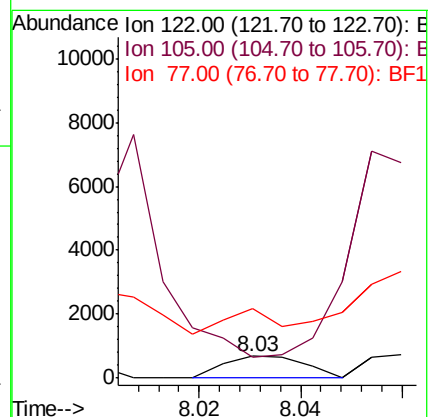
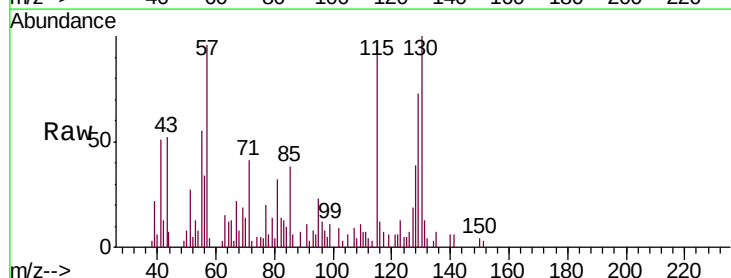
Tgt Ion:122 Resp: 758

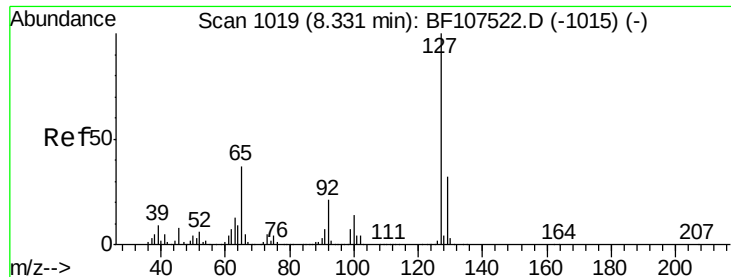
Ion Ratio Lower Upper

122 100

105 96.3 101.1 141.1#

77 321.2 70.7 110.7#

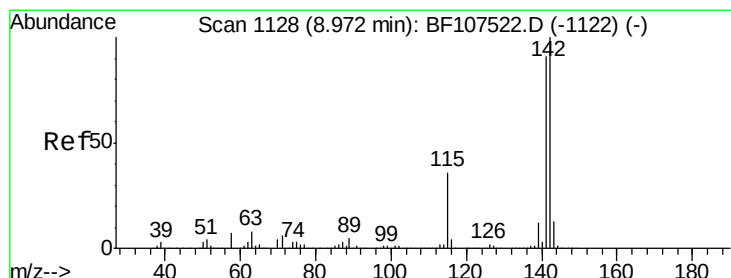
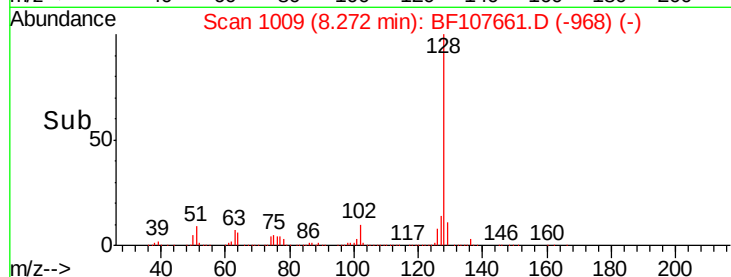
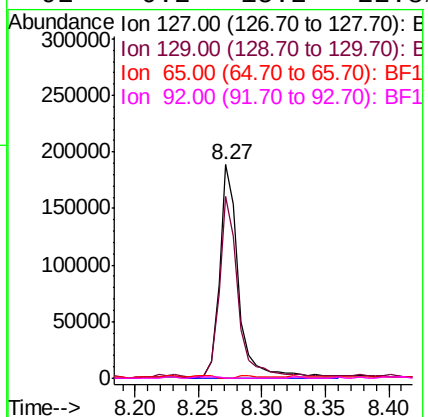
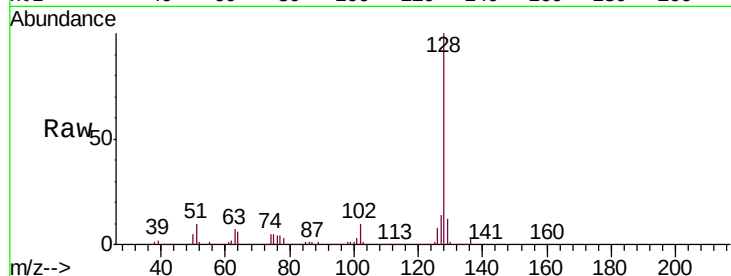




#33
4-Chloroaniline
Concen: 13.065 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

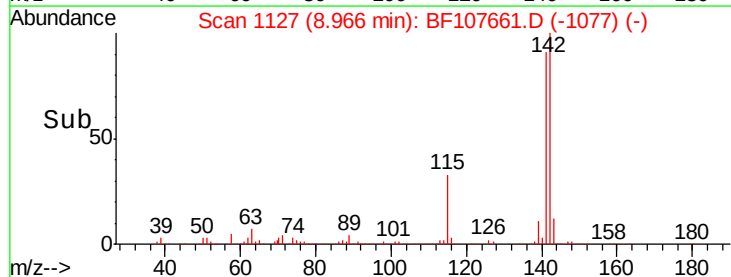
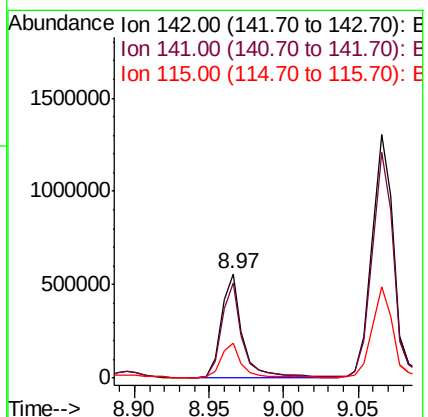
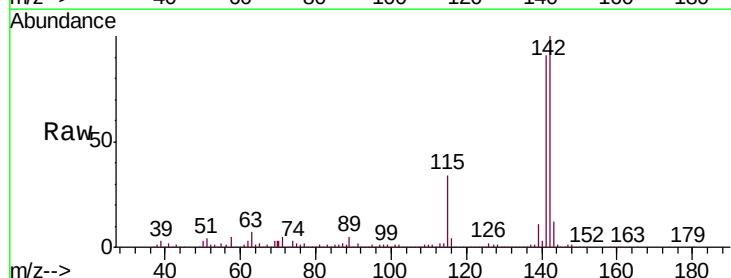
Instrument :
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ClientSampled :

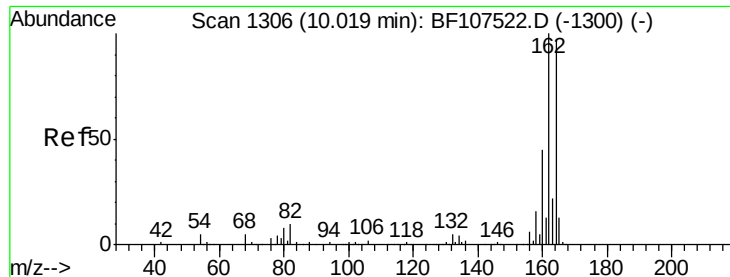
Tgt Ion:	127	Resp:	197159
Ion	Ratio	Lower	Upper
127	100		
129	84.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.2	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 22.989 ng
RT: 8.97 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:	142	Resp:	550011
Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2
115	33.6	26.1	39.1

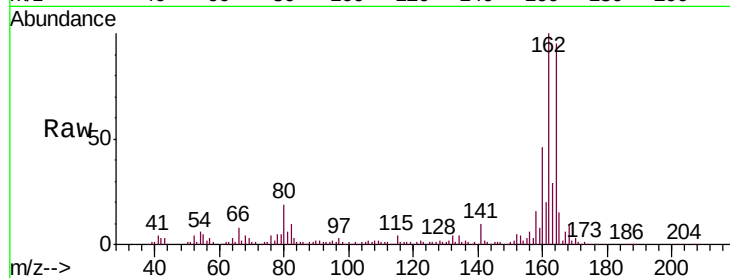




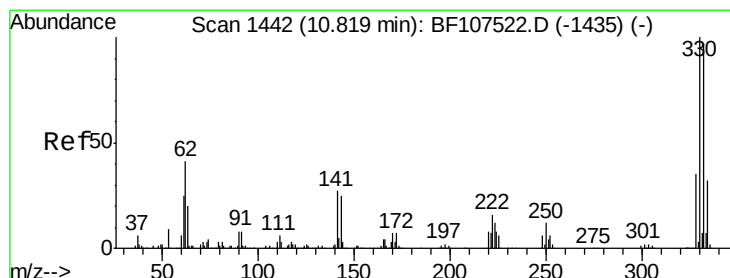
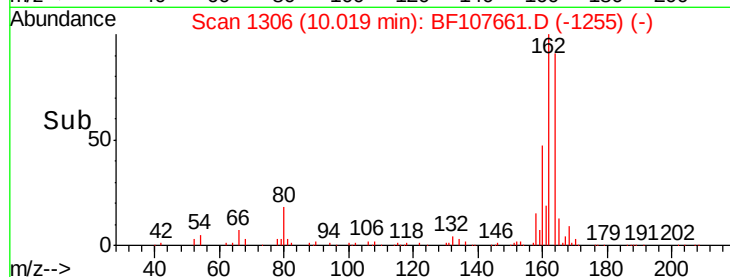
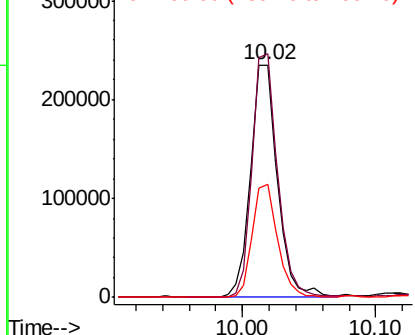
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 322506
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 48.7 38.3 57.5

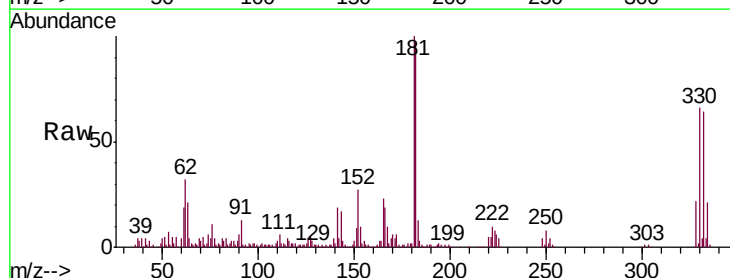


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

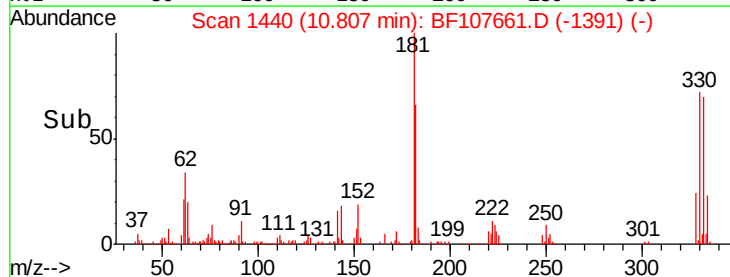
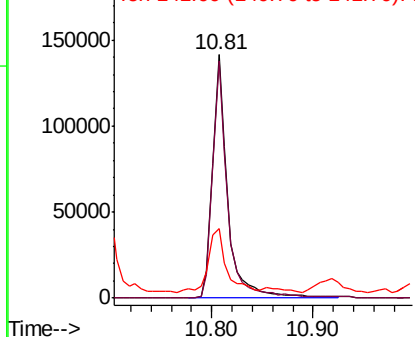


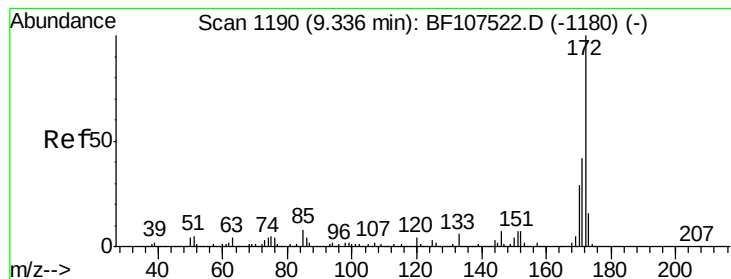
#41
2,4,6-Tribromophenol
Concen: 40.434 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:330 Resp: 148288
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 31.4 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

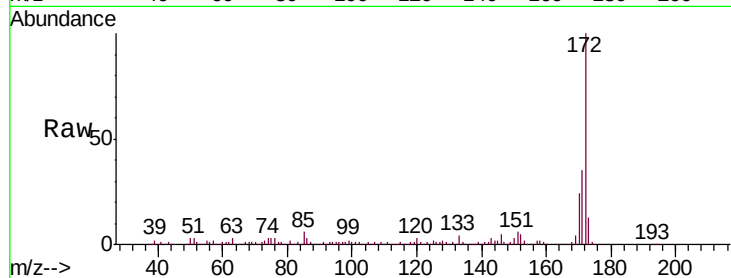




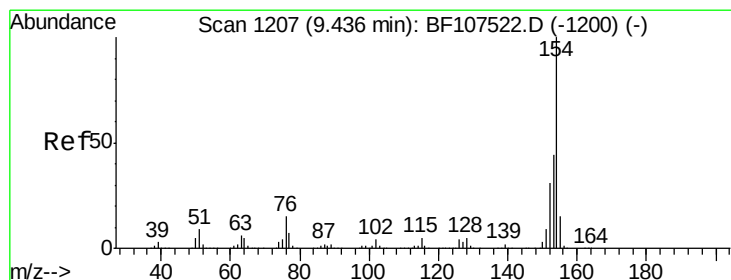
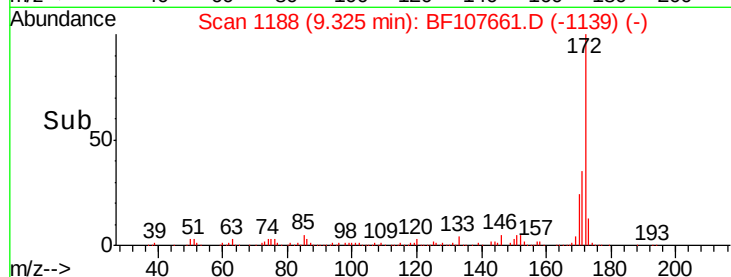
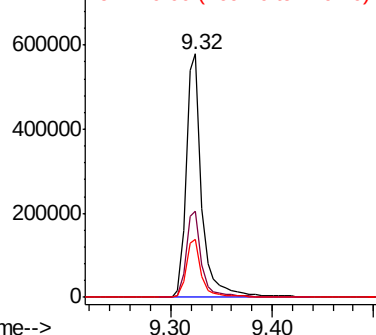
#44
 2-Fluorobiphenyl
 Concen: 25.431 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107661.D
 Acq: 25 Jul 2018 17:07

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:172 Resp: 620014
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.7 19.6 29.4

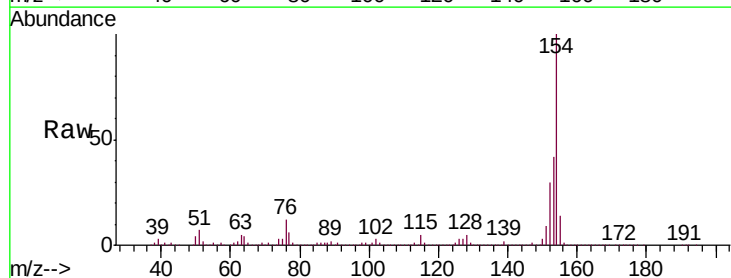


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

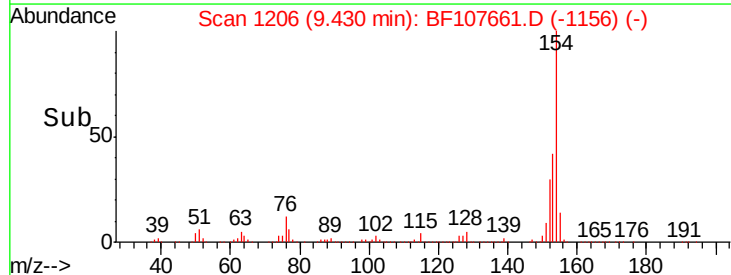
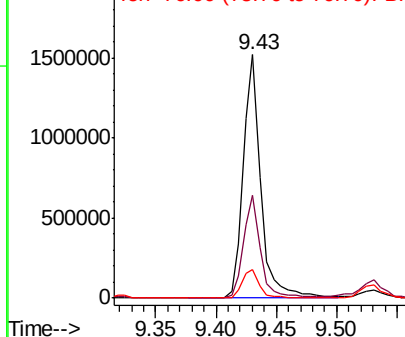


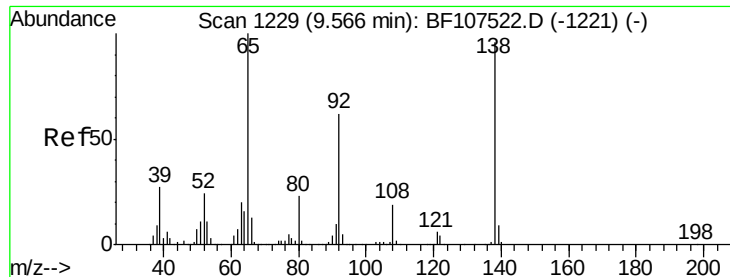
#45
 1,1'-Biphenyl
 Concen: 55.052 ng
 RT: 9.43 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF107661.D
 Acq: 25 Jul 2018 17:07

Tgt Ion:154 Resp: 1546634
 Ion Ratio Lower Upper
 154 100
 153 42.1 21.3 61.3
 76 11.9 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#47

2-Nitroaniline

Concen: 2.130 ng

RT: 9.60 min Scan# 1234

Delta R.T. 0.03 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

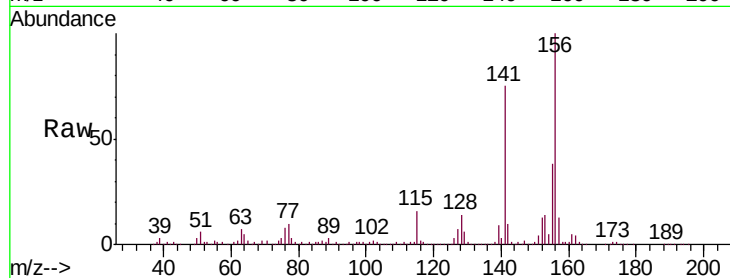
Tgt Ion: 65 Resp: 13336

Ion Ratio Lower Upper

65 100

92 7.5 55.8 83.6#

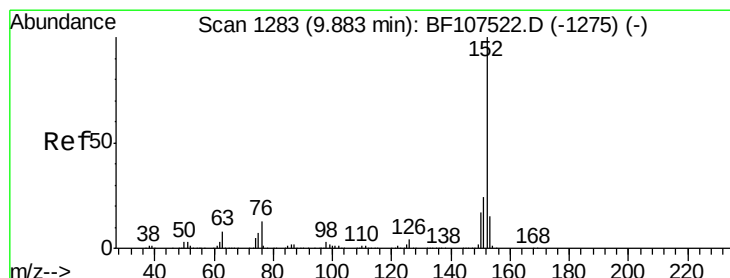
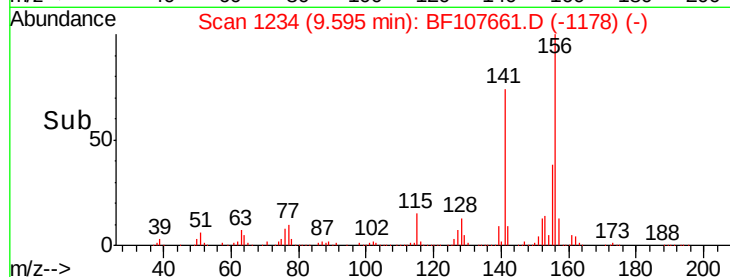
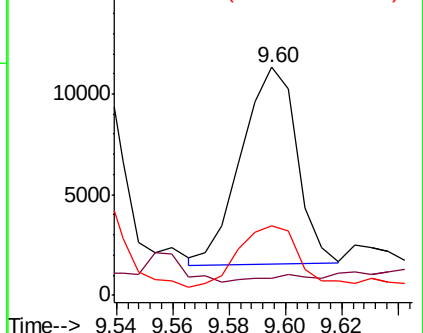
138 30.3 91.2 136.8#



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): BF1



#48

Acenaphthylene

Concen: 33.324 ng

RT: 9.88 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

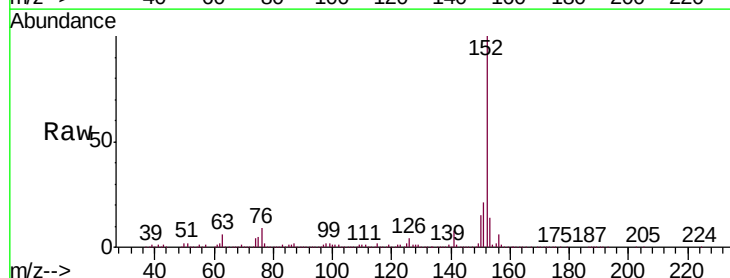
Tgt Ion:152 Resp: 1074974

Ion Ratio Lower Upper

152 100

151 20.9 16.3 24.5

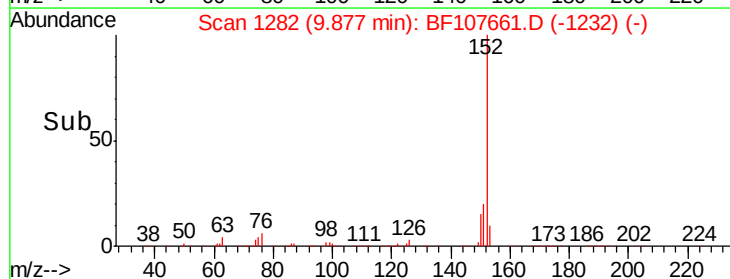
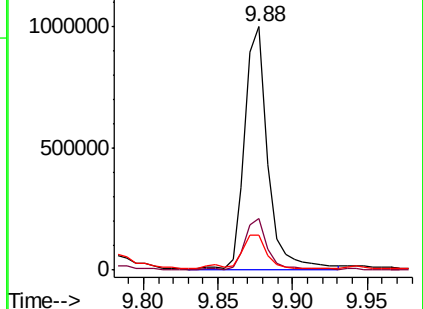
153 14.2 10.7 16.1

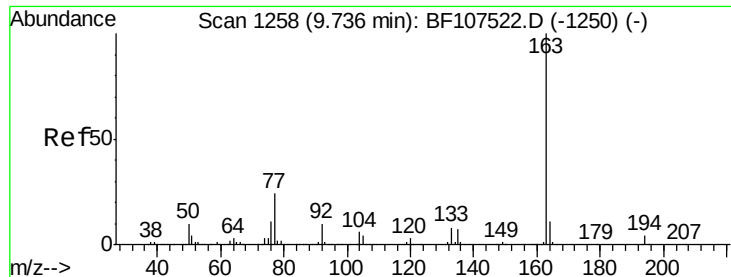


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

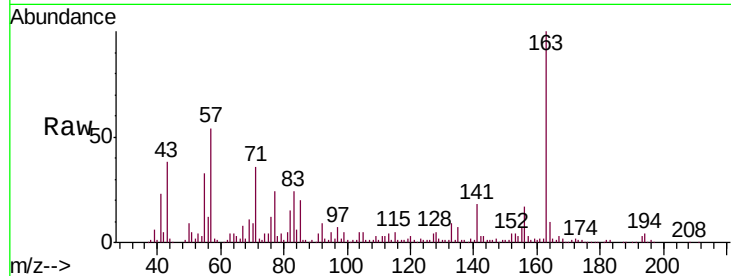




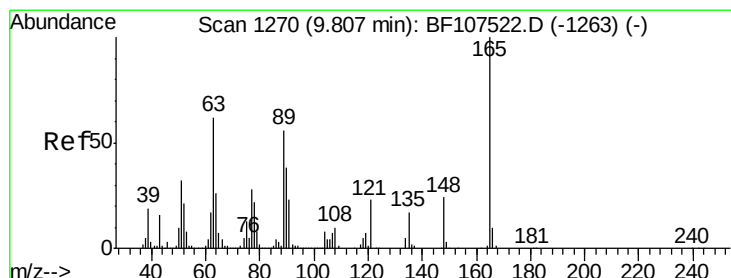
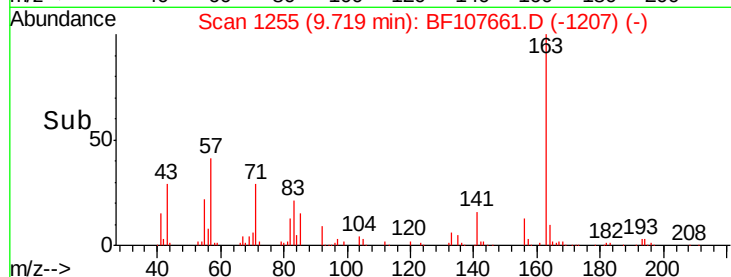
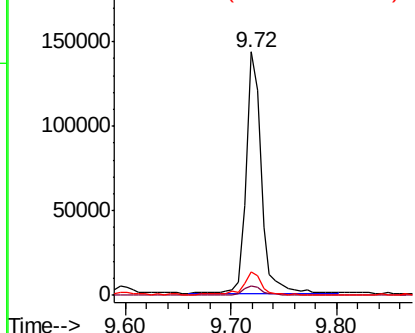
#49
Dimethylphthalate
Concen: 5.888 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 143111
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1#
164 9.7 8.2 12.2

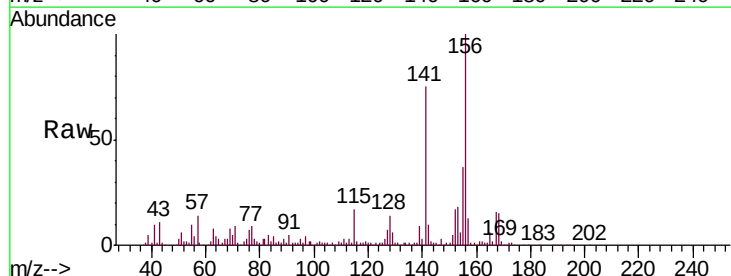


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

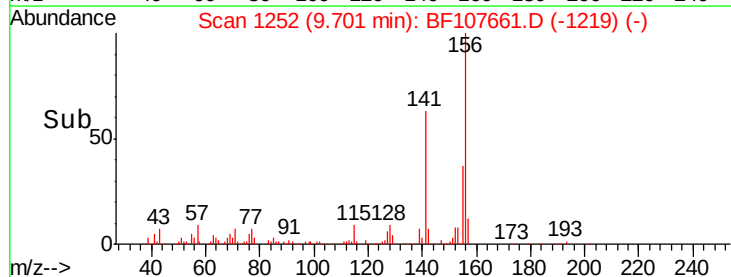
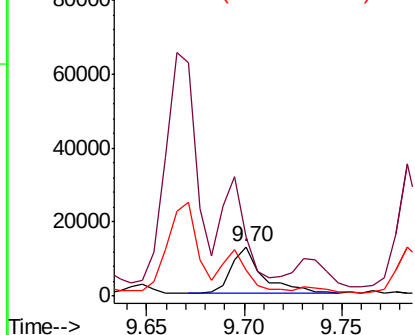


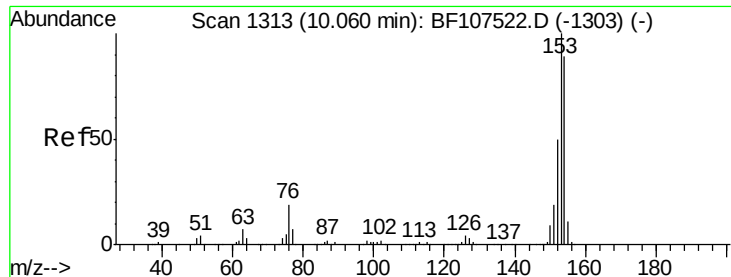
#50
2,6-Dinitrotoluene
Concen: 3.009 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.11 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:165 Resp: 14522
Ion Ratio Lower Upper
165 100
63 120.0 44.7 67.1#
89 51.3 44.0 66.0



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





#51

Acenaphthene

Concen: 197.762 ng

RT: 10.07 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

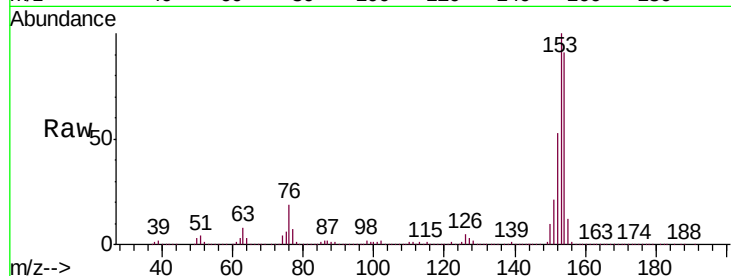
Tgt Ion:154 Resp: 3997112

Ion Ratio Lower Upper

154 100

153 110.1 91.2 136.8

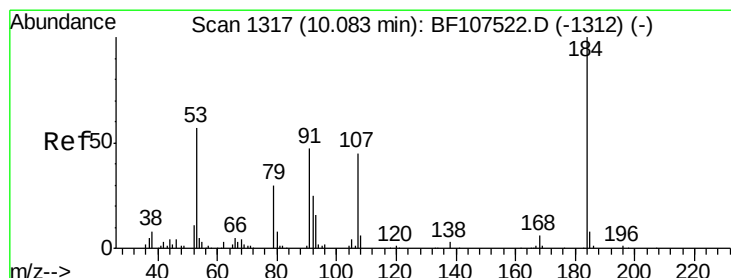
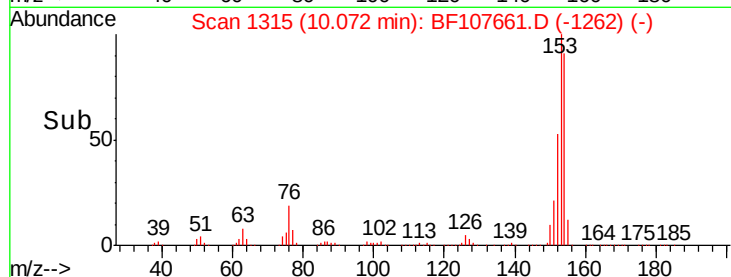
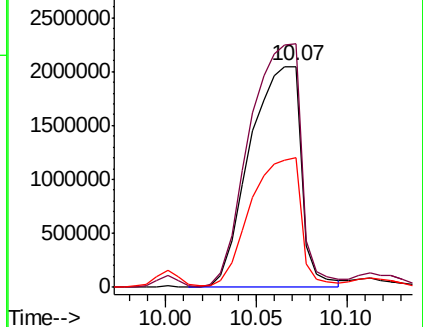
152 58.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.650 ng

RT: 10.10 min Scan# 1320

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

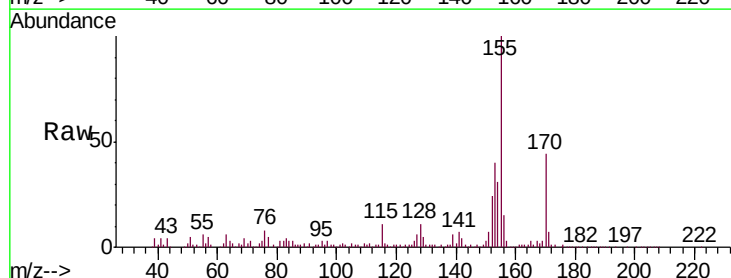
Tgt Ion:184 Resp: 608

Ion Ratio Lower Upper

184 100

63 2205.1 54.2 81.2#

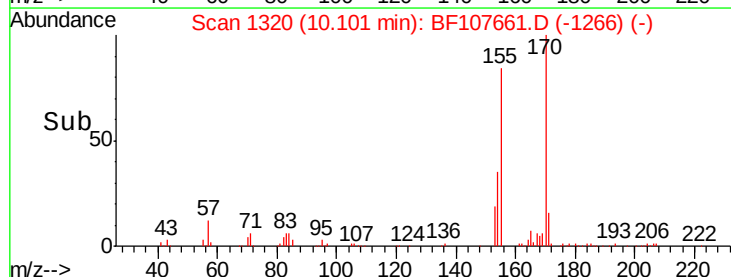
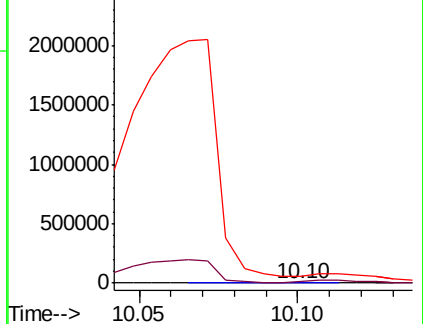
154 10887.1 184.0 276.0#

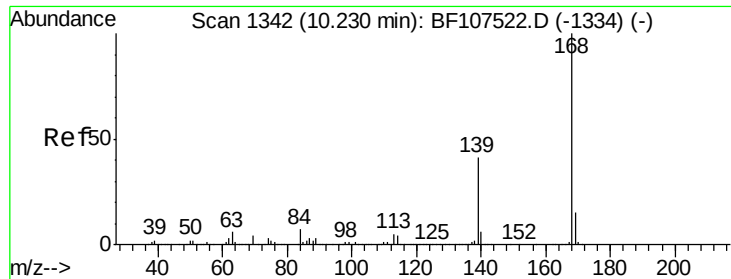


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

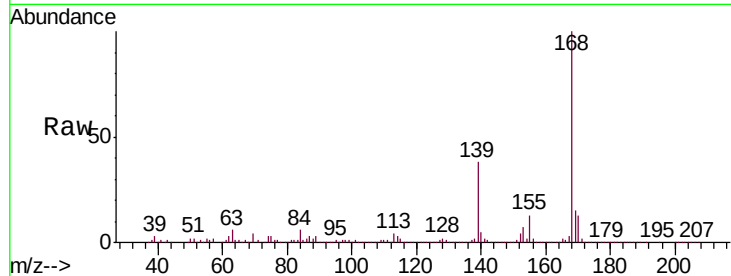




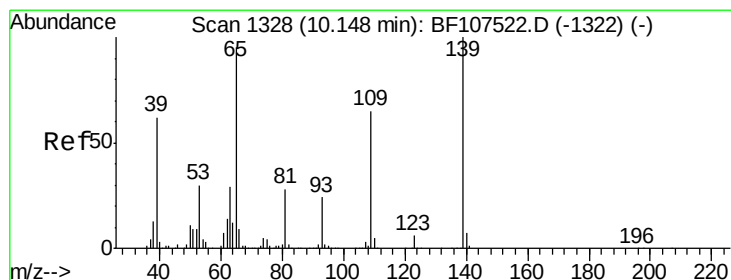
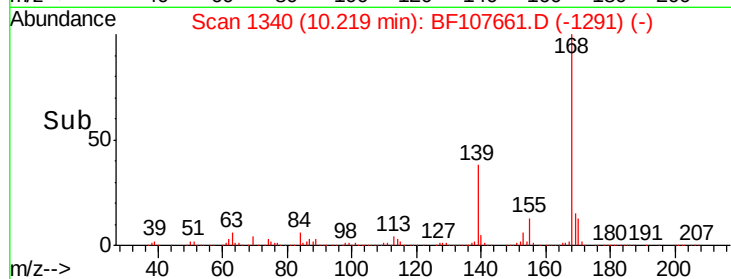
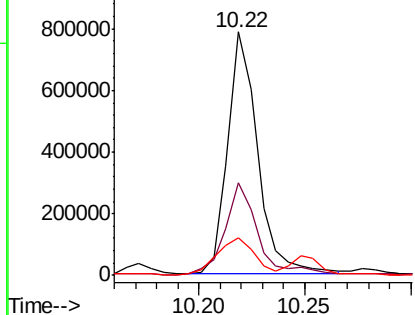
#54
Dibenzofuran
Concen: 25.917 ng
RT: 10.22 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 771192
Ion Ratio Lower Upper
168 100
139 37.9 30.1 45.1
169 15.2 10.9 16.3

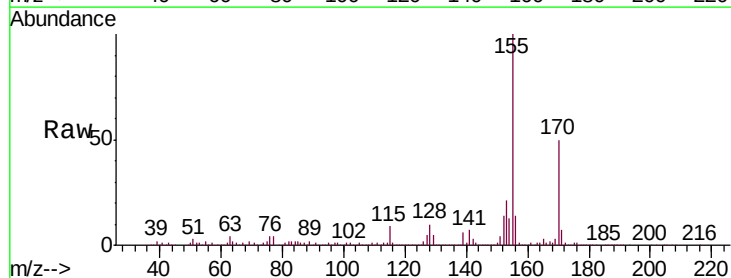


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

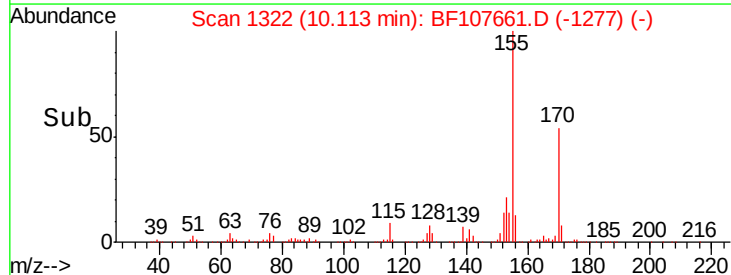
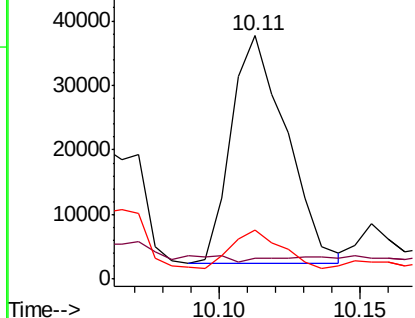


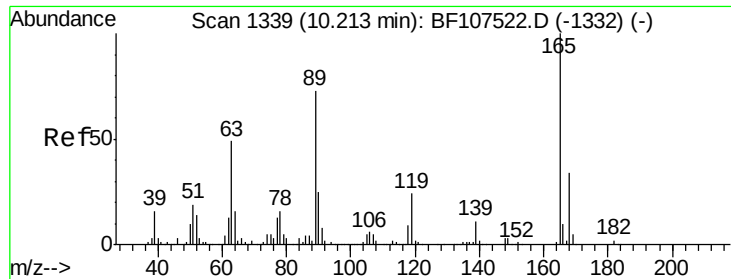
#55
4-Nitrophenol
Concen: 10.836 ng
RT: 10.11 min Scan# 1322
Delta R.T. -0.04 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:139 Resp: 47629
Ion Ratio Lower Upper
139 100
109 8.5 48.4 88.4#
65 20.1 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

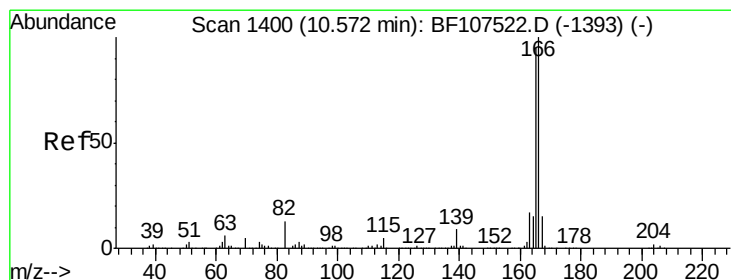
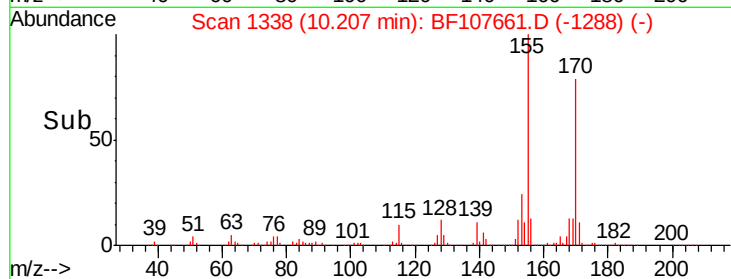
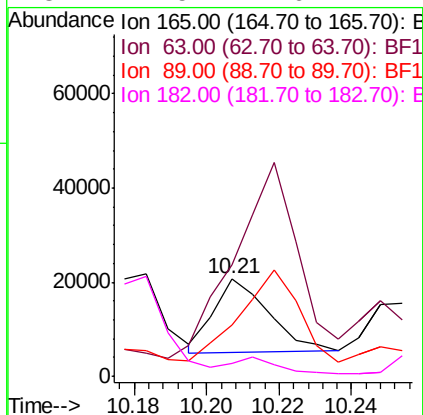
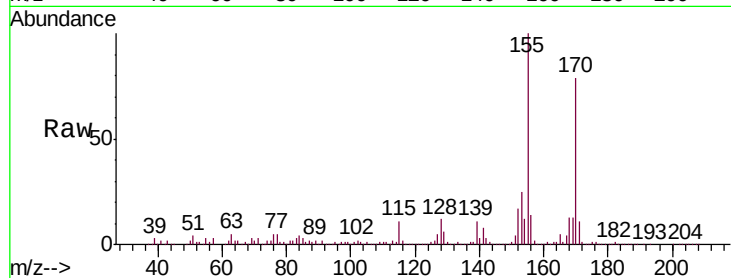




#56
2,4-Dinitrotoluene
Concen: 2.851 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

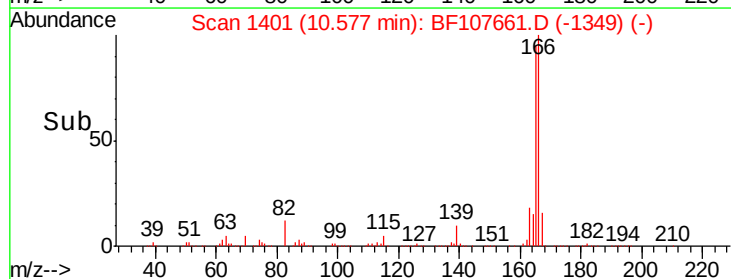
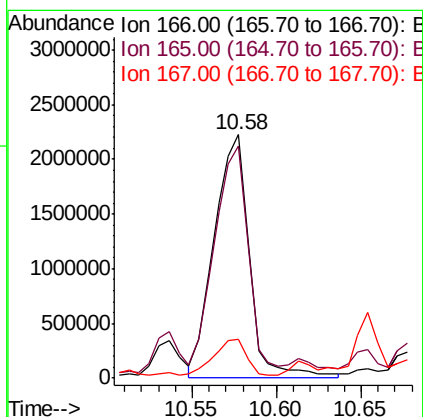
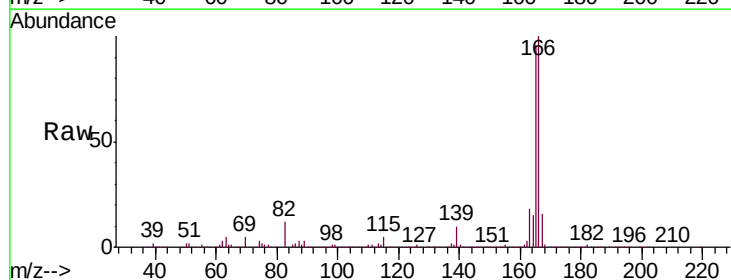
Instrument :
BNA_F
ClientSampleId :

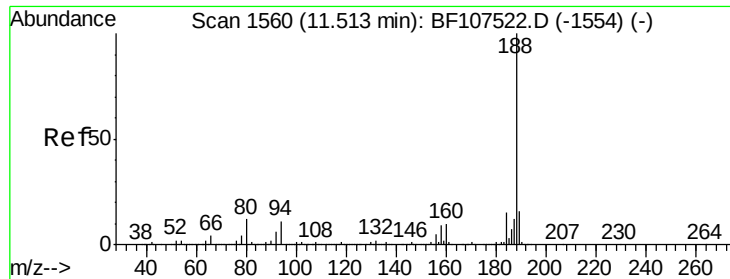
Tgt Ion	Resp	Lower	Upper
165	16608		
63	113.9	36.4	54.6#
89	52.8	57.8	86.6#
182	12.5	1.6	2.4#



#57
Fluorene
Concen: 151.597 ng
RT: 10.58 min Scan# 1401
Delta R.T. 0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion	Resp	Lower	Upper
166	3218149		
165	95.6	79.8	119.8
167	16.1	10.6	16.0#

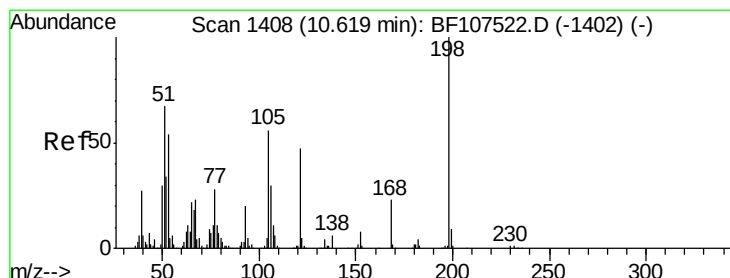
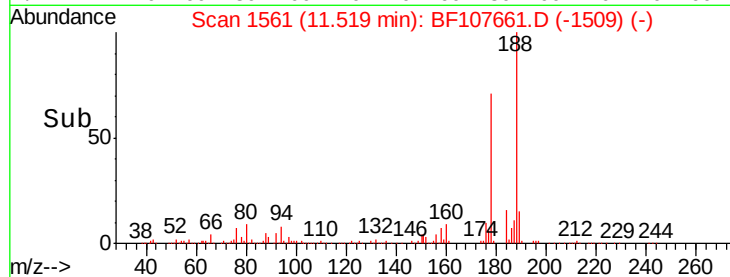
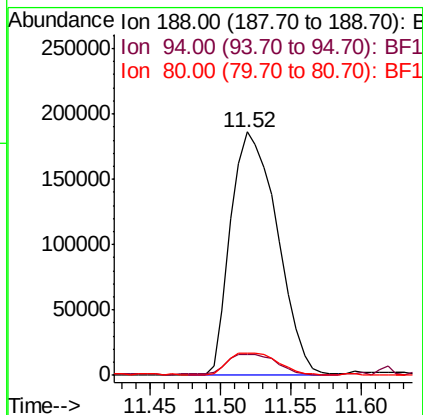
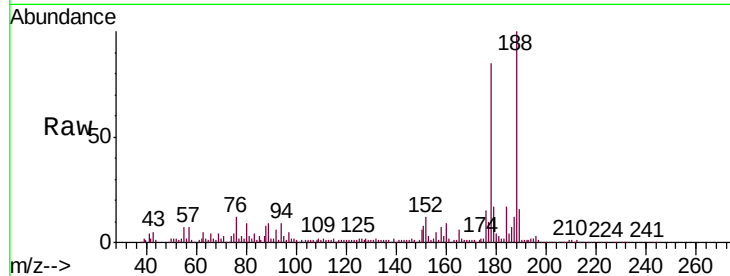




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

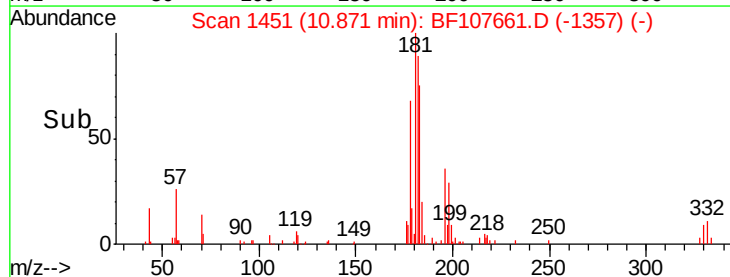
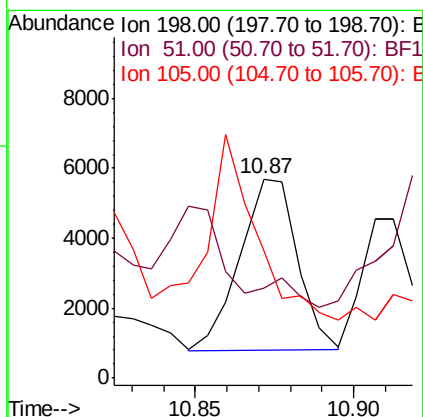
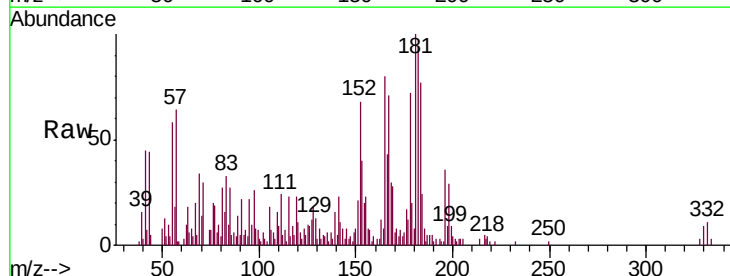
Instrument :
BNA_F
ClientSampled :

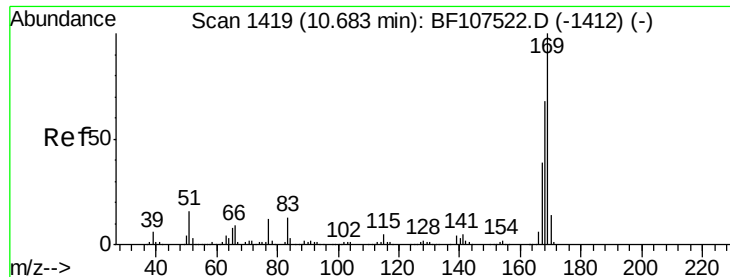
Tgt Ion:188 Resp: 429837
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.0 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 11.137 ng
RT: 10.87 min Scan# 1451
Delta R.T. 0.25 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:198 Resp: 6223
Ion Ratio Lower Upper
198 100
51 45.1 37.7 77.7
105 63.9 36.3 76.3





#65

n-Nitrosodiphenylamine

Concen: 4.591 ng

RT: 10.70 min Scan# 1422

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

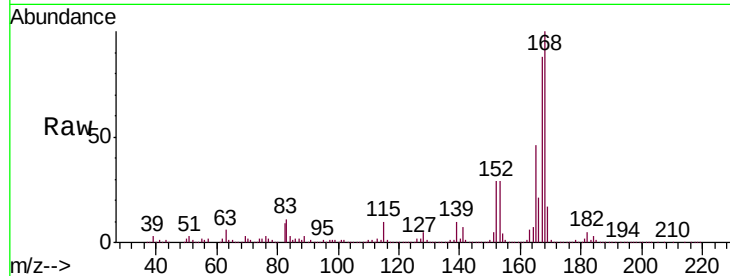
Tgt Ion:169 Resp: 67027

Ion Ratio Lower Upper

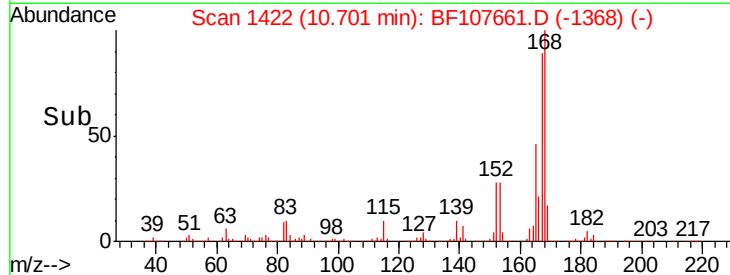
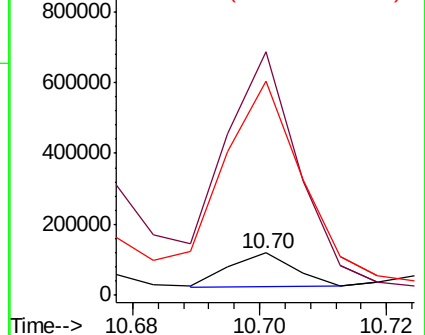
169 100

168 573.6 54.4 81.6#

167 504.5 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 508.760 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

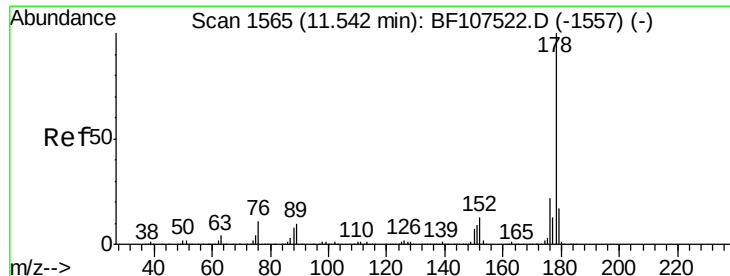
Tgt Ion:178 Resp:10656533

Ion Ratio Lower Upper

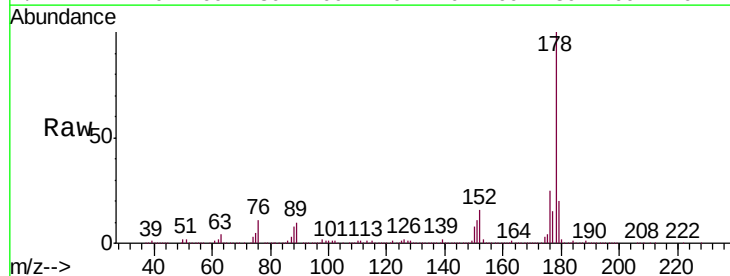
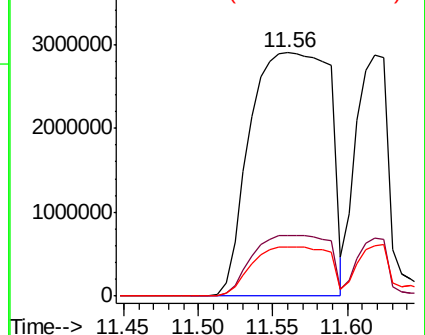
178 100

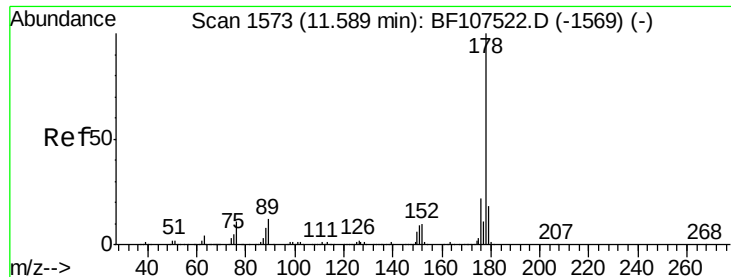
176 25.0 15.8 23.8#

179 20.3 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

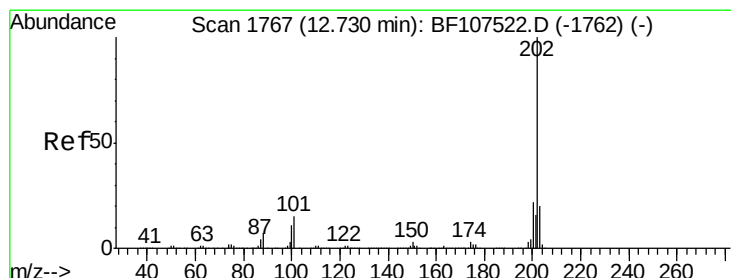
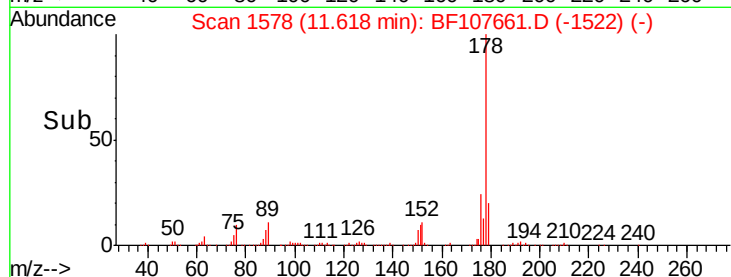
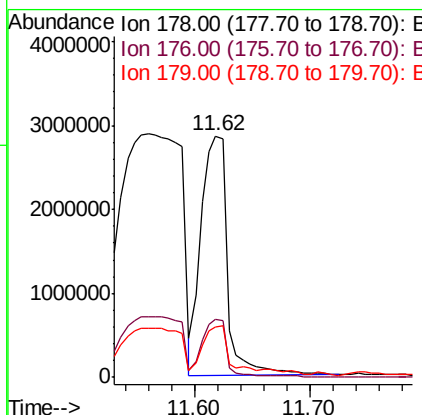
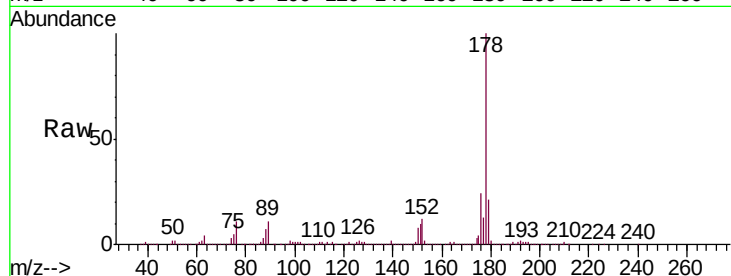




#71
 Anthracene
 Concen: 217.661 ng
 RT: 11.62 min Scan# 1578
 Delta R.T. 0.03 min
 Lab File: BF107661.D
 Acq: 25 Jul 2018 17:07

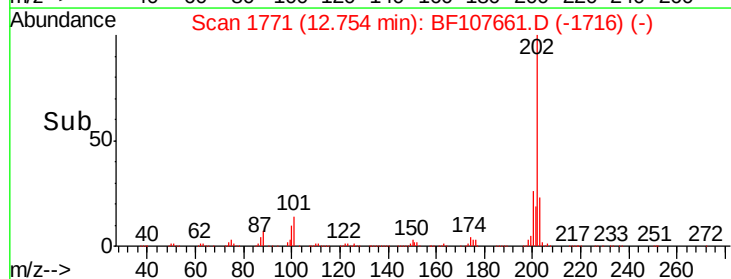
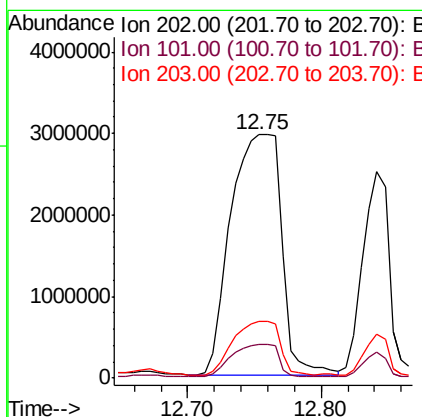
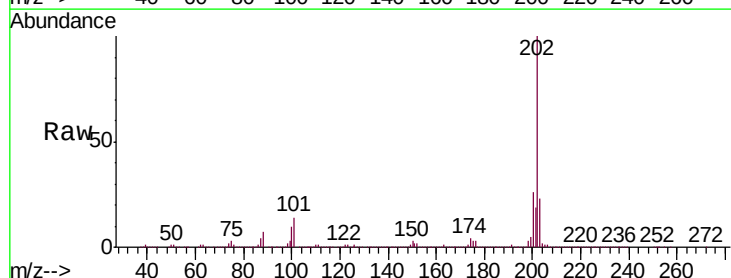
Instrument :
 BNA_F
 ClientSampleId :

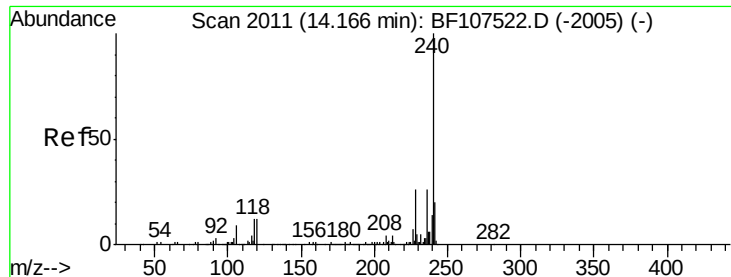
Tgt Ion:178 Resp: 4590379
 Ion Ratio Lower Upper
 178 100
 176 24.2 15.4 23.2#
 179 20.9 12.6 19.0#



#74
 Fluoranthene
 Concen: 345.668 ng
 RT: 12.75 min Scan# 1771
 Delta R.T. 0.02 min
 Lab File: BF107661.D
 Acq: 25 Jul 2018 17:07

Tgt Ion:202 Resp: 7769494
 Ion Ratio Lower Upper
 202 100
 101 14.0 0.0 34.1
 203 23.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

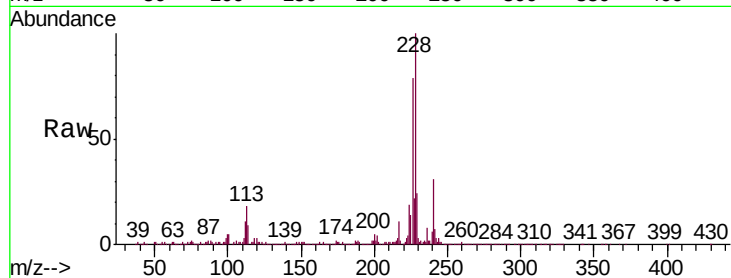
Tgt Ion:240 Resp: 278469

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

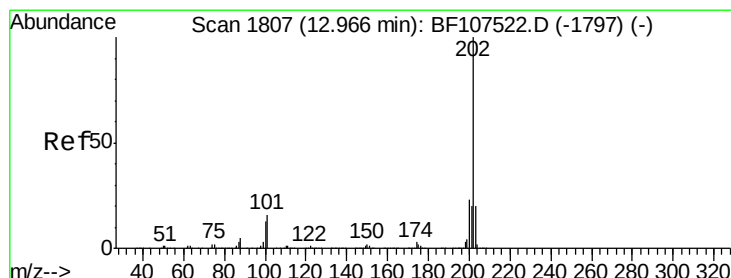
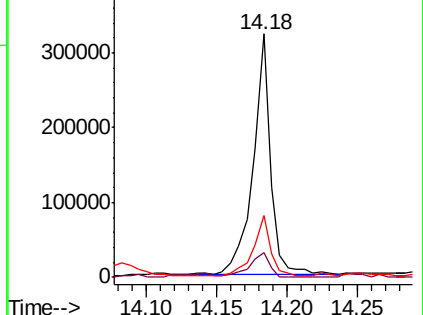
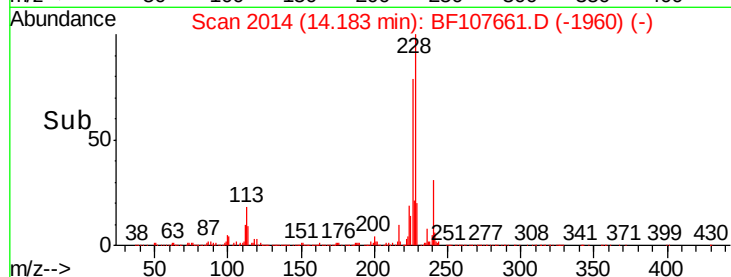
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 28.418 ng

RT: 12.91 min Scan# 1798

Delta R.T. -0.05 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

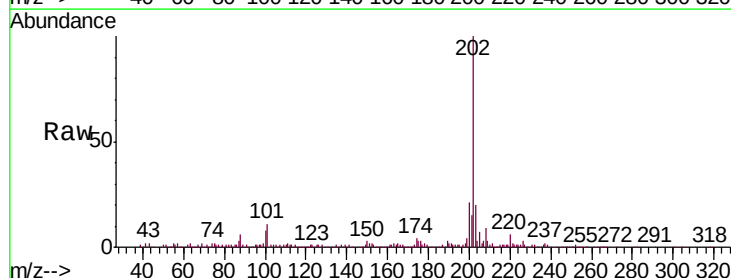
Tgt Ion:202 Resp: 541289

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

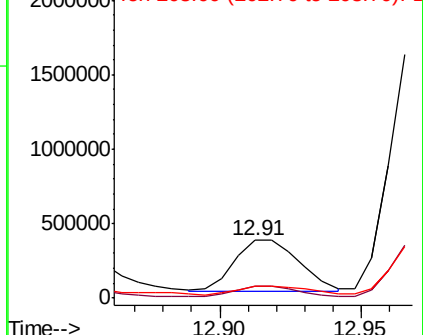
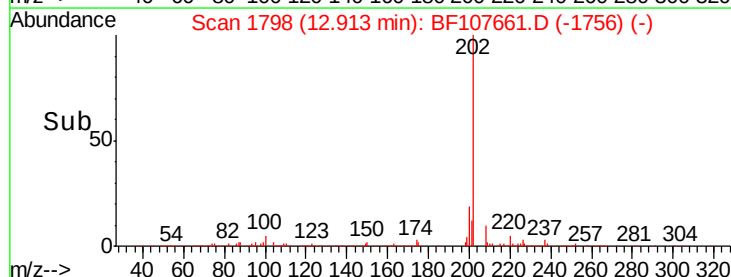
203 20.2 14.3 21.5

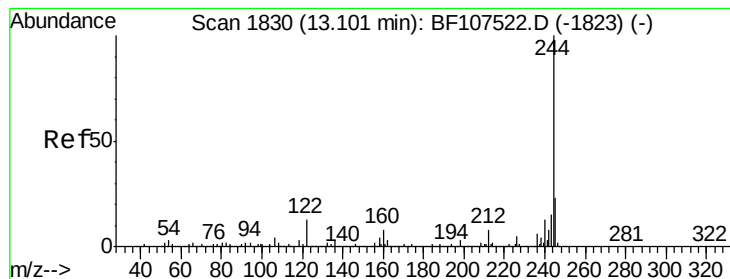


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 44.594 ng

RT: 13.09 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

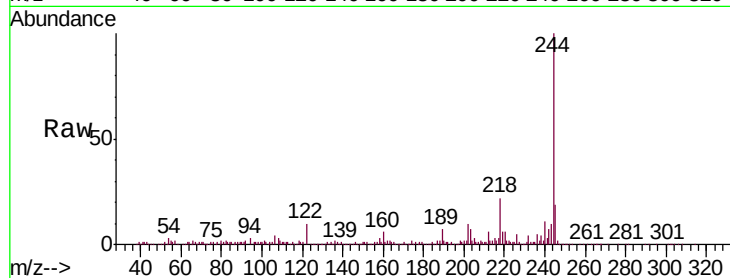
Tgt Ion:244 Resp: 485062

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

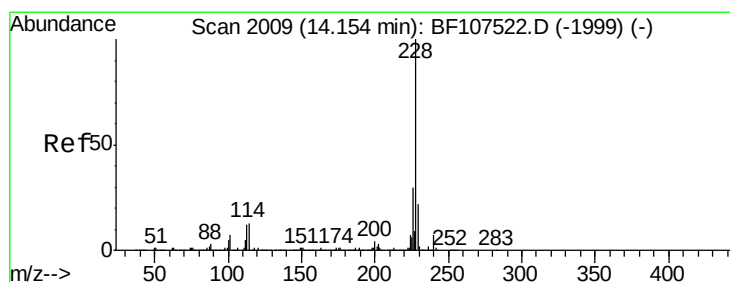
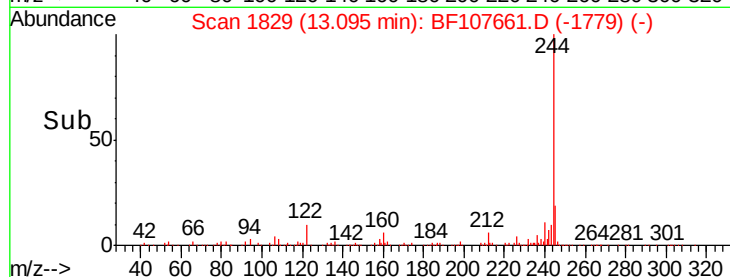
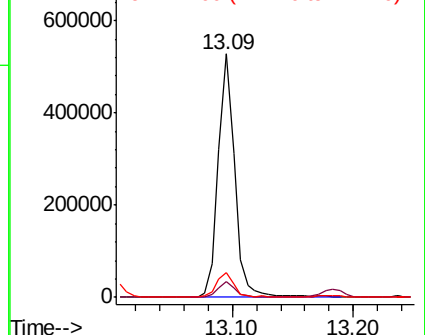
122 10.4 11.0 16.4#



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



#80

Benzo(a)anthracene

Concen: 275.316 ng

RT: 14.17 min Scan# 2012

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

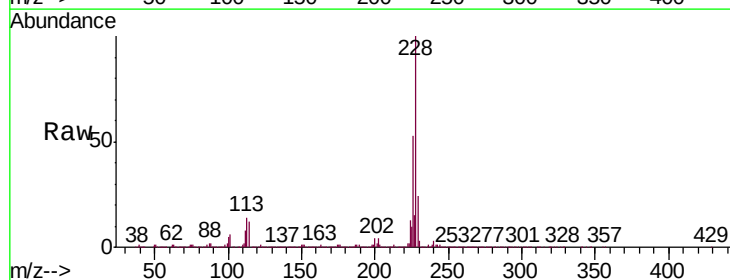
Tgt Ion:228 Resp: 4492829

Ion Ratio Lower Upper

228 100

226 52.8 22.6 33.8#

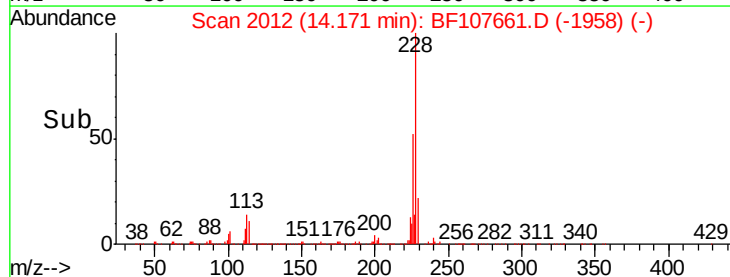
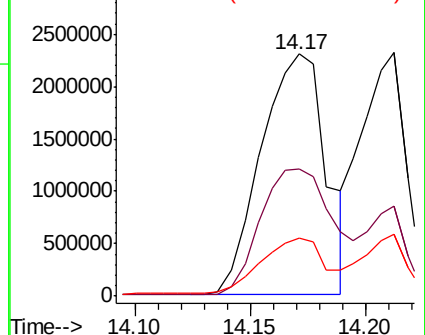
229 24.1 15.8 23.6#

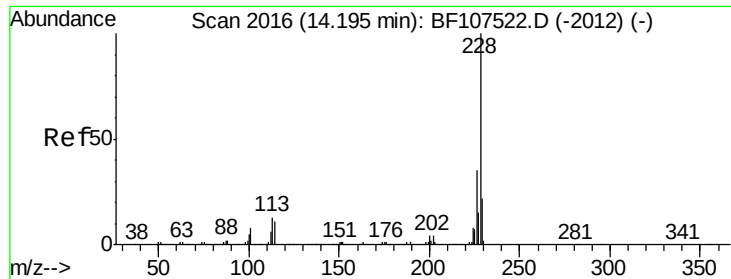


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 204.094 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.02 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

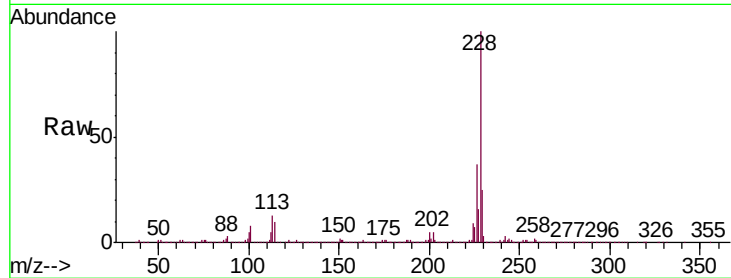
Tgt Ion:228 Resp: 3199348

Ion Ratio Lower Upper

228 100

226 37.2 25.0 37.6

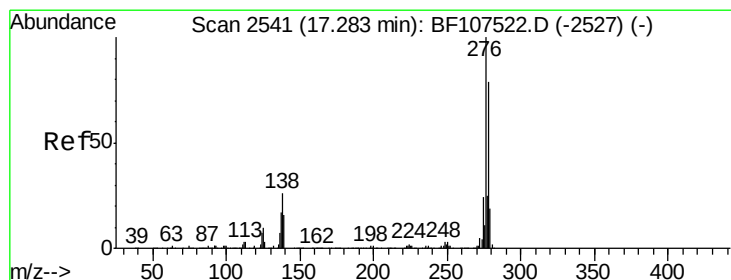
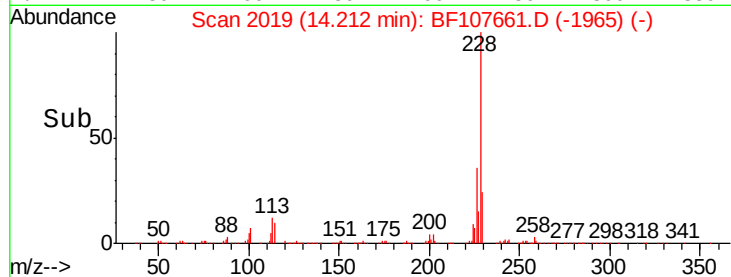
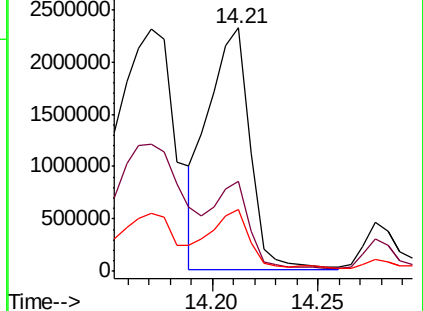
229 25.2 16.2 24.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 146.064 ng

RT: 17.31 min Scan# 2546

Delta R.T. 0.03 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

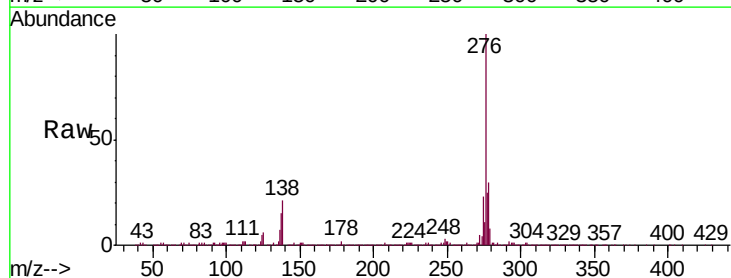
Tgt Ion:276 Resp: 1940568

Ion Ratio Lower Upper

276 100

138 20.6 25.0 37.6#

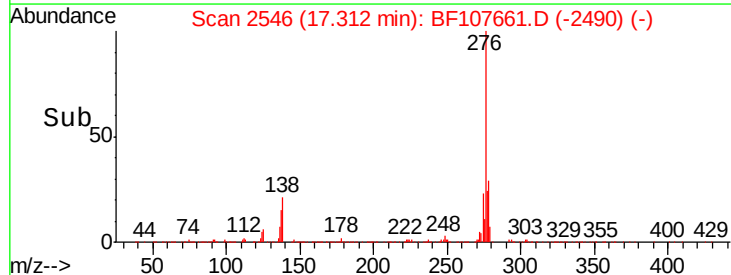
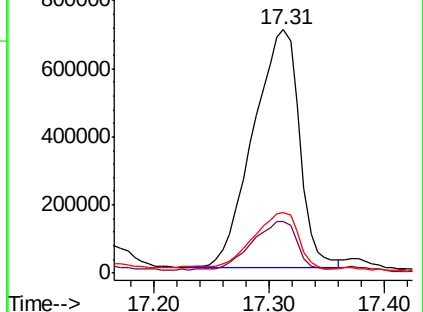
277 24.0 20.1 30.1

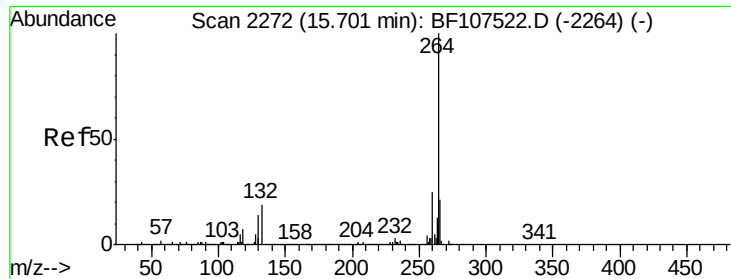


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

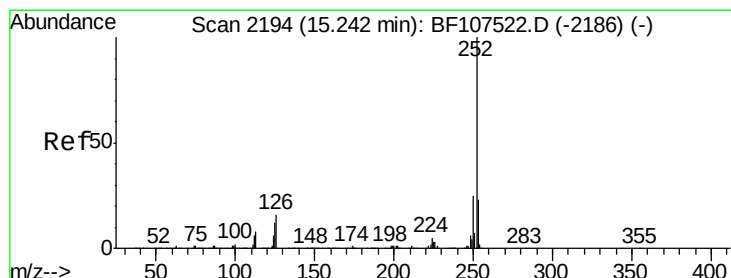
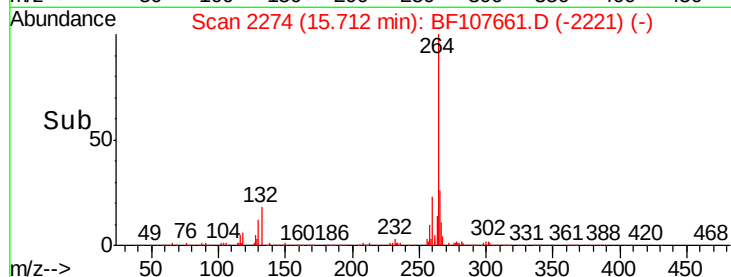
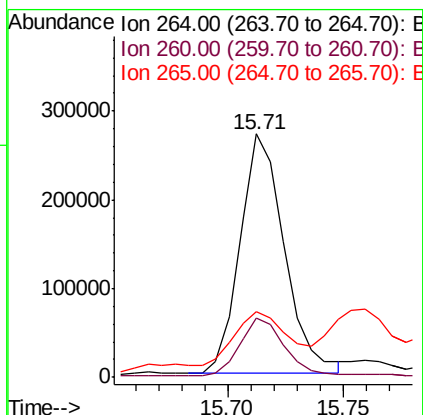
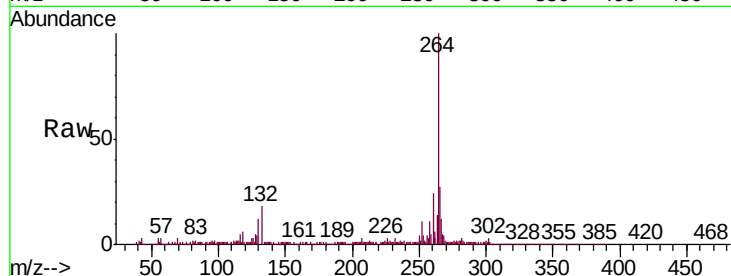




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

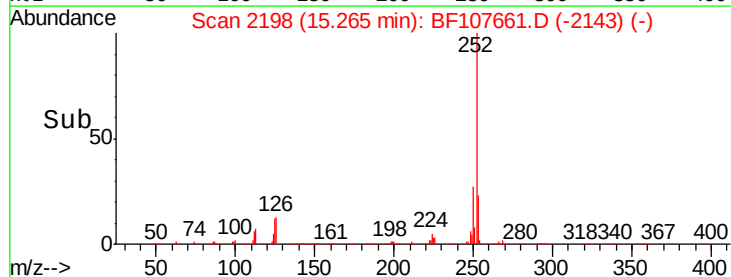
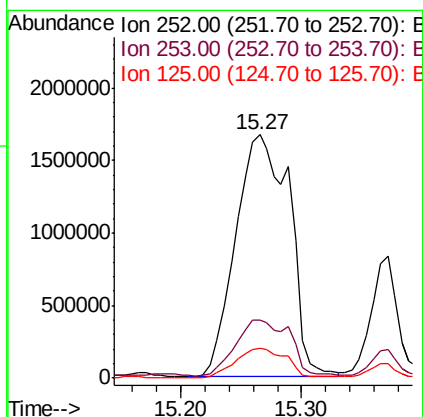
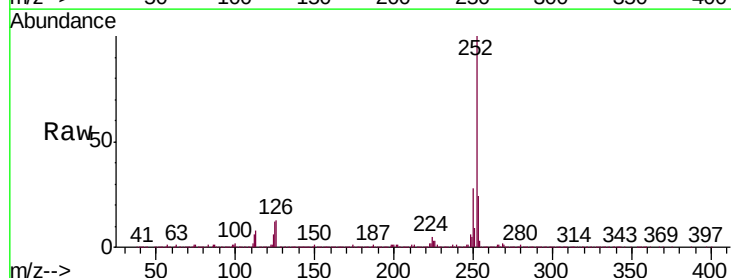
Instrument :
BNA_F
ClientSampleId :

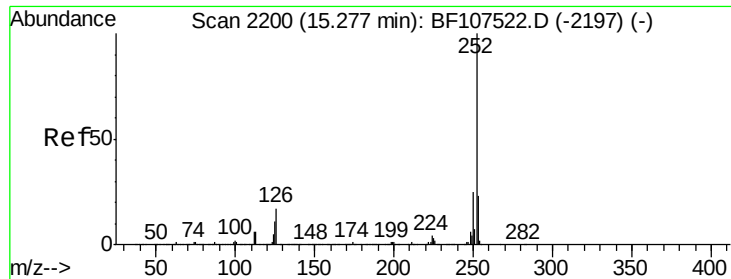
Tgt Ion:264 Resp: 361393
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 26.7 17.5 26.3#



#87
Benzo(b)fluoranthene
Concen: 259.633 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.02 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:252 Resp: 5135179
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 12.1 9.0 13.6

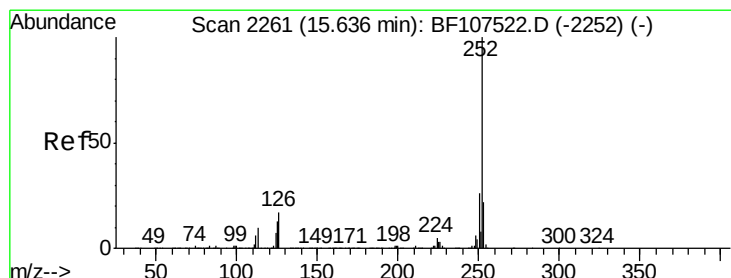
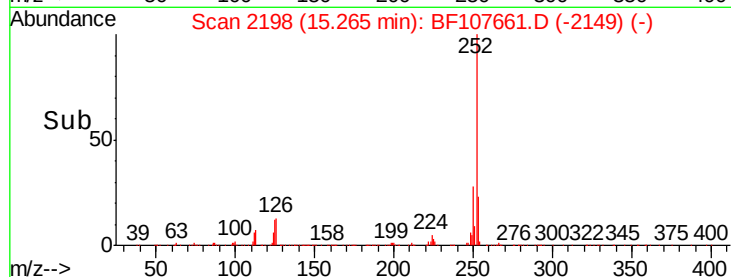
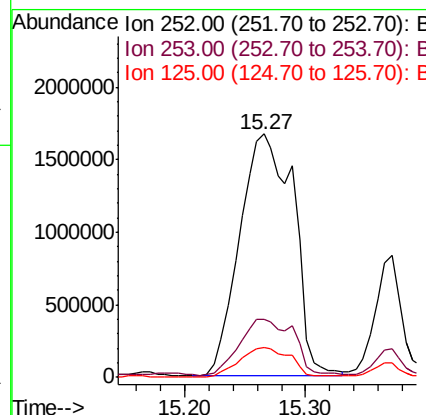
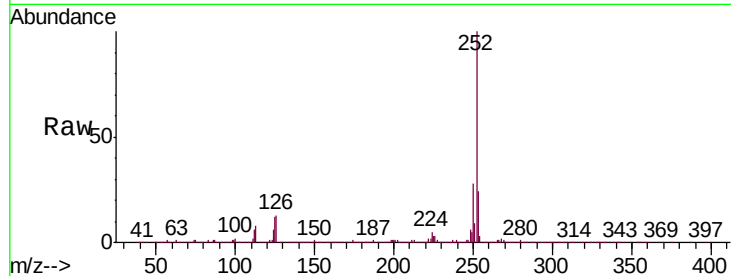




#88
Benzo(k)fluoranthene
Concen: 265.006 ng
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

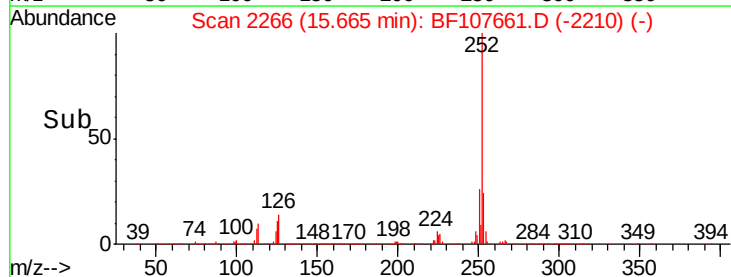
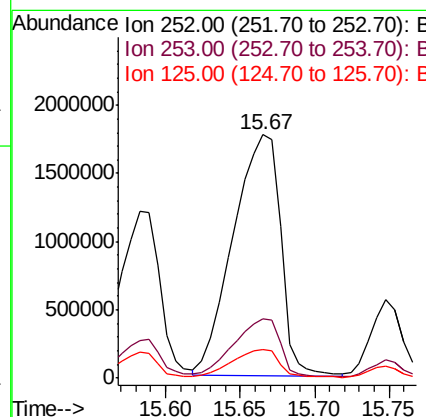
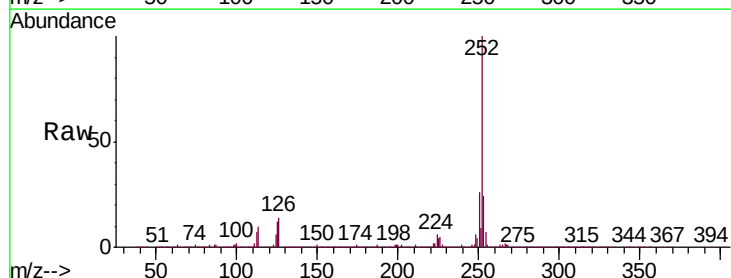
Instrument :
BNA_F
ClientSampleId :

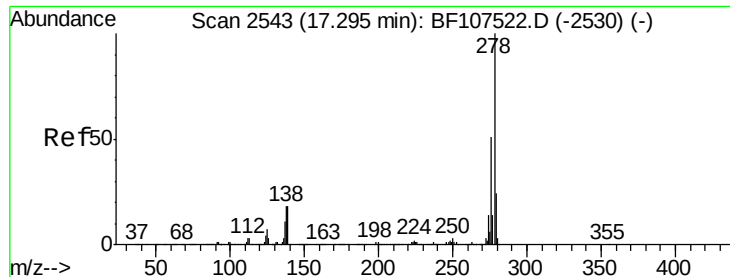
Tgt Ion:252 Resp: 5135179
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 12.1 10.2 15.2



#89
Benzo(a)pyrene
Concen: 216.466 ng
RT: 15.67 min Scan# 2266
Delta R.T. 0.03 min
Lab File: BF107661.D
Acq: 25 Jul 2018 17:07

Tgt Ion:252 Resp: 3916333
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 11.7 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 13.980 ng

RT: 17.38 min Scan# 2557

Delta R.T. 0.08 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

Instrument :

BNA_F

ClientSampleId :

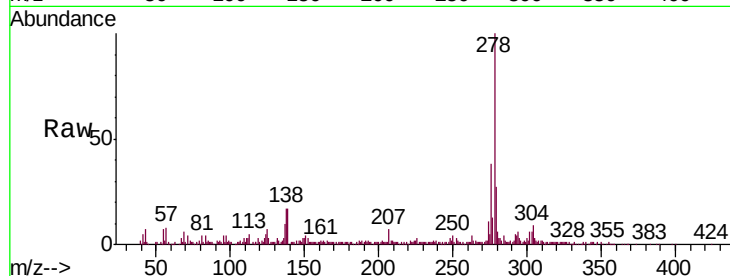
Tgt Ion:278 Resp: 218634

Ion Ratio Lower Upper

278 100

139 17.1 15.9 23.9

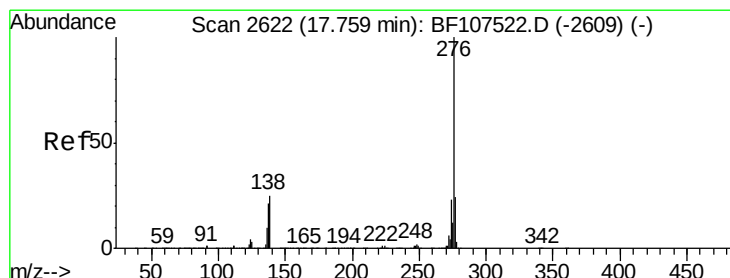
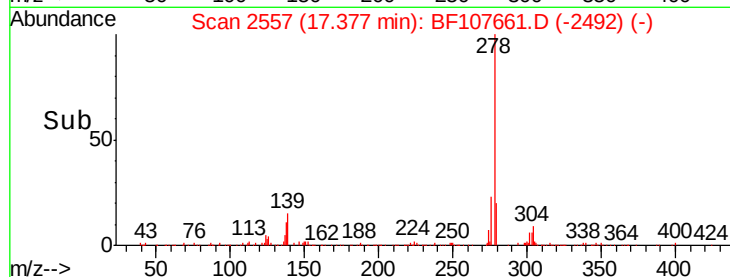
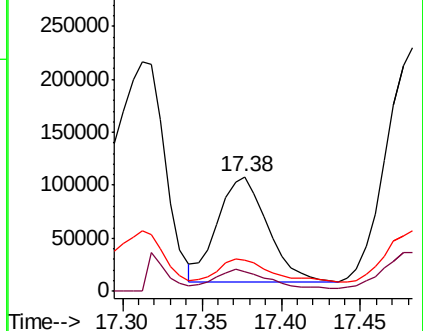
279 27.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 127.873 ng

RT: 17.80 min Scan# 2629

Delta R.T. 0.04 min

Lab File: BF107661.D

Acq: 25 Jul 2018 17:07

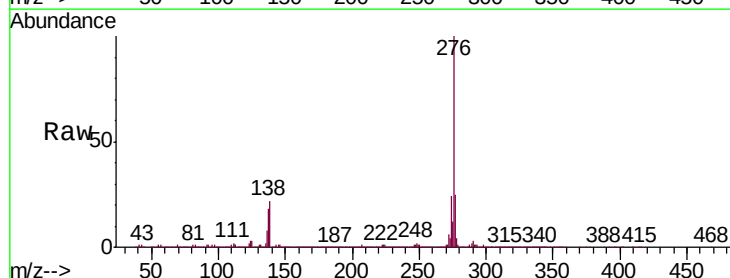
Tgt Ion:276 Resp: 1972626

Ion Ratio Lower Upper

276 100

277 25.1 17.9 26.9

138 21.8 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

