

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107768.D
 Acq On : 28 Jul 2018 1:19
 Operator : JU/SJ
 Sample : J4143-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 28 04:15:10 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	6.96	152	155710	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	630261	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	243510	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	424681	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	399402	20.00	ng	-0.01
86) Perylene-d12	15.69	264	324040	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1021496	105.48	ng	-0.01
7) Phenol-d6	6.60	99	1342584	115.45	ng	-0.01
23) Nitrobenzene-d5	7.52	82	803774	86.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	290749	105.00	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	890002	56.87	ng	-0.02
78) Terphenyl-d14	13.08	244	828038	53.08	ng	-0.02

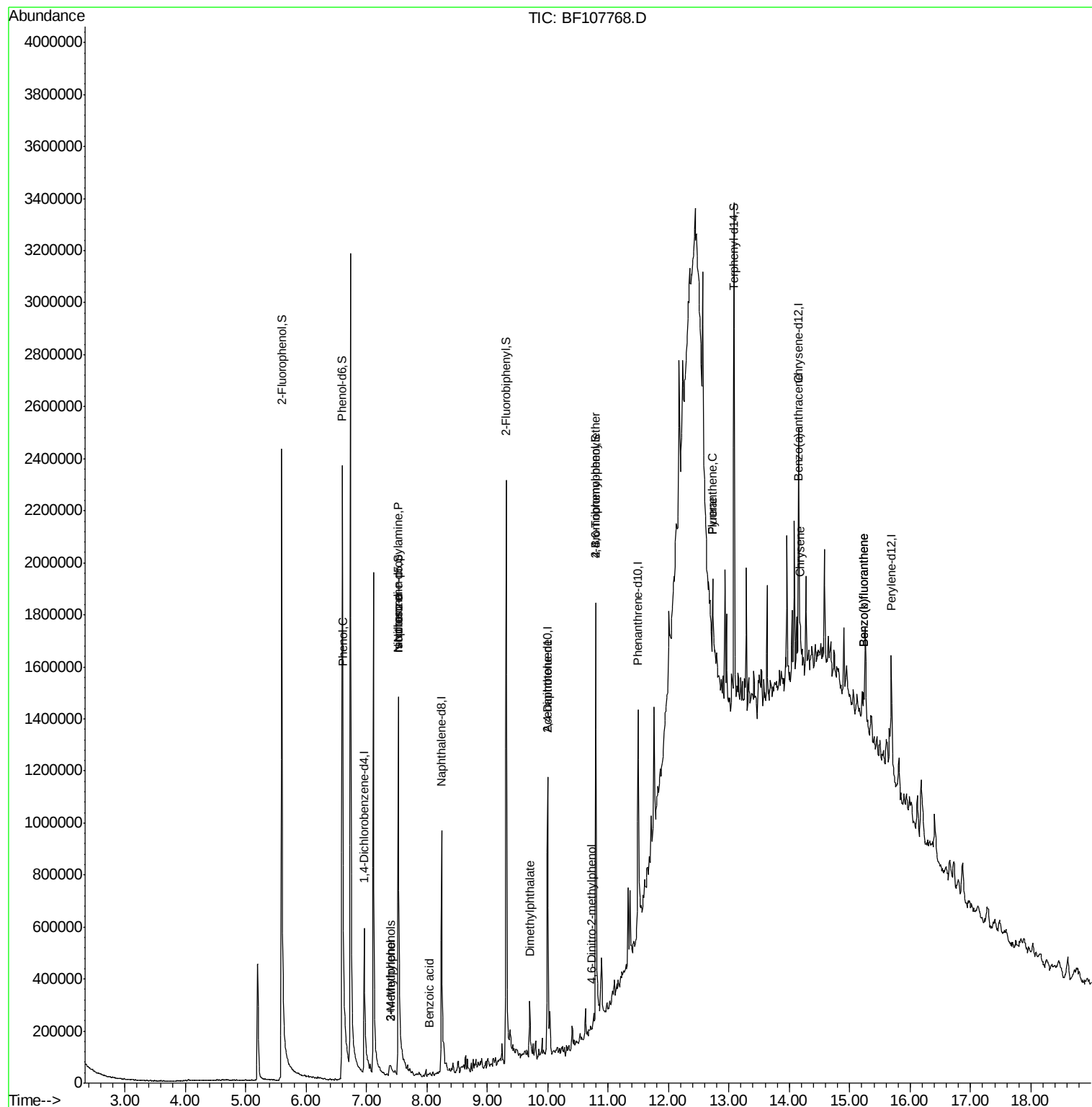
Target Compounds				Qvalue		
9) Benzaldehyde	6.57	77	1878	Below Cal		95
10) Phenol	6.61	94	56911	4.161 ng	#	50
17) 2-Methylphenol	7.40	107	56876	6.449 ng	#	70
19) n-Nitroso-di-n-propylamine	7.52	70	97715	13.007 ng	#	83
20) 3+4-Methylphenols	7.40	107	69858	6.671 ng		86
25) Isophorone	7.52	82	803774	40.309 ng	#	64
32) Benzoic acid	8.05	122	2641	8.269 ng	#	74
49) Dimethylphthalate	9.71	163	93841	5.113 ng		98
56) 2,4-Dinitrotoluene	10.00	165	29227	6.645 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.74	198	112	8.725 ng	#	1
66) 4-Bromophenyl-phenylether	10.79	248	17026	3.406 ng	#	1
73) Di-n-butylphthalate	12.04	149	4561	Below Cal	#	42
74) Fluoranthene	12.74	202	162103	7.300 ng		95
77) Pyrene	12.74	202	162103	5.934 ng		95
80) Benzo(a)anthracene	14.14	228	47777	2.041 ng	#	82
81) 3,3'-Dichlorobenzidine	14.11	252	1168	Below Cal	#	38
82) Chrysene	14.18	228	60599	2.695 ng	#	80
87) Benzo(b)fluoranthene	15.23	252	69675	3.929 ng	#	30
88) Benzo(k)fluoranthene	15.23	252	69675	4.010 ng	#	34

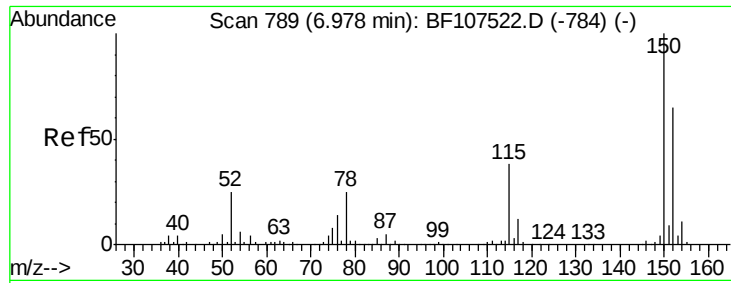
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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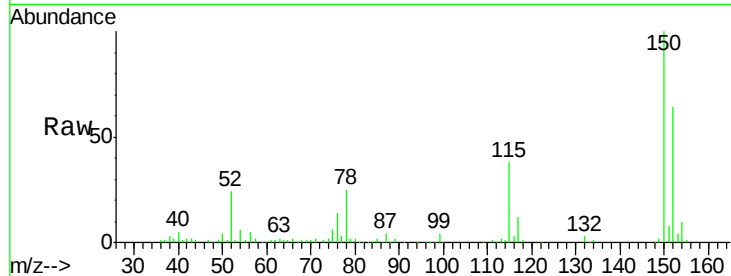


#1

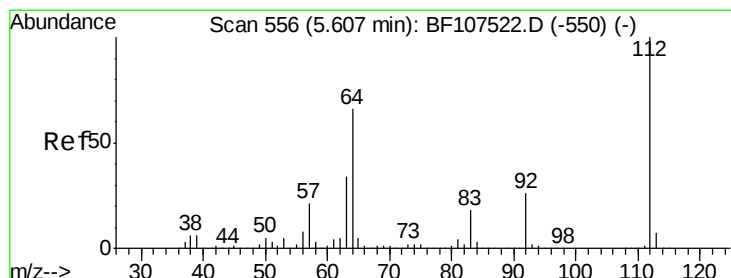
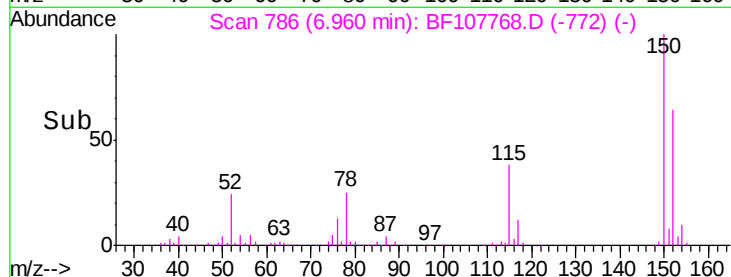
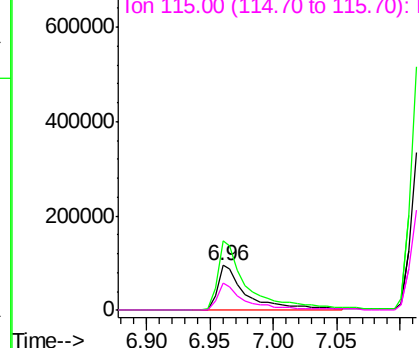
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 155710
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 59.7 50.1 75.1



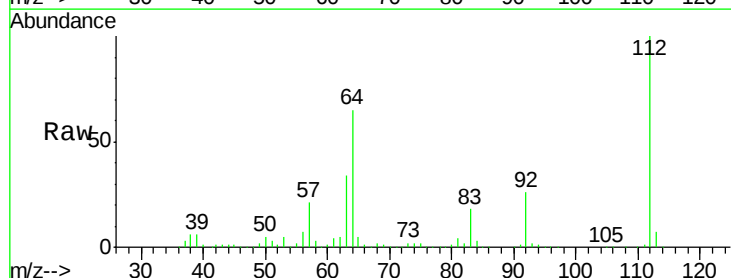
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



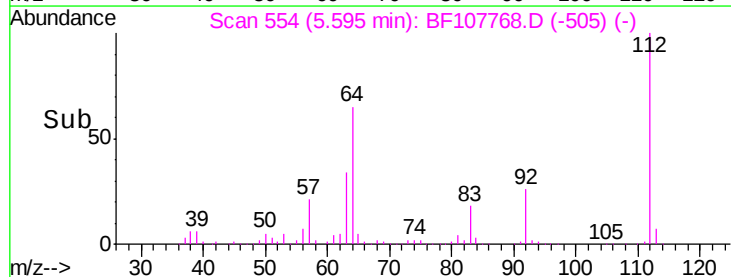
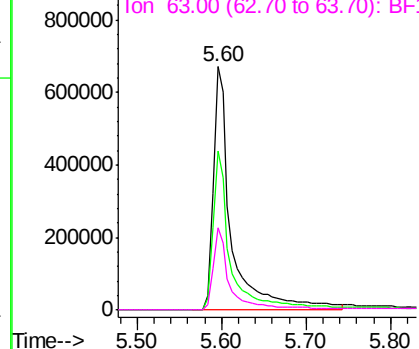
#5

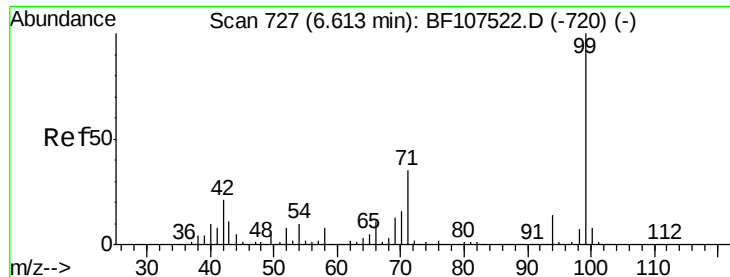
2-Fluorophenol
Concen: 105.476 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion:112 Resp: 1021496
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 33.8 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: 115.455 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

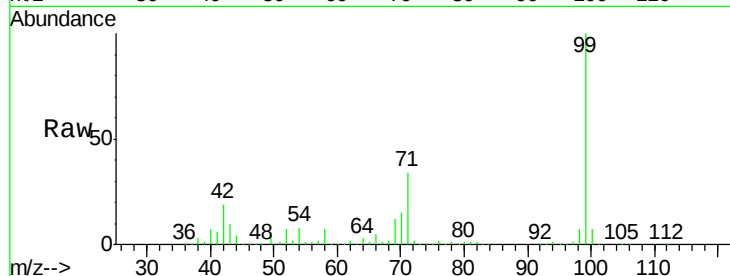
Tgt Ion: 99 Resp: 1342584

Ion Ratio Lower Upper

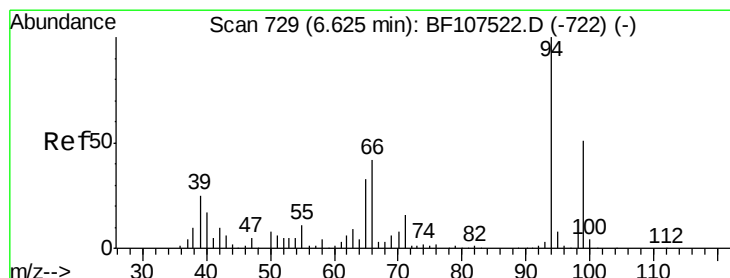
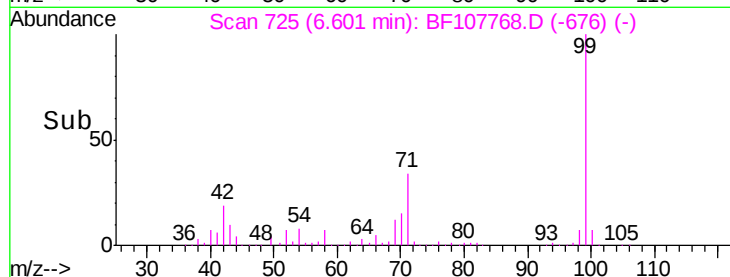
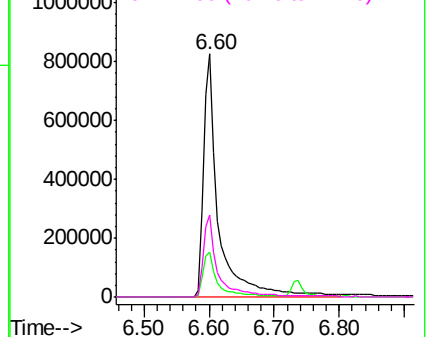
99 100

42 18.7 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.161 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

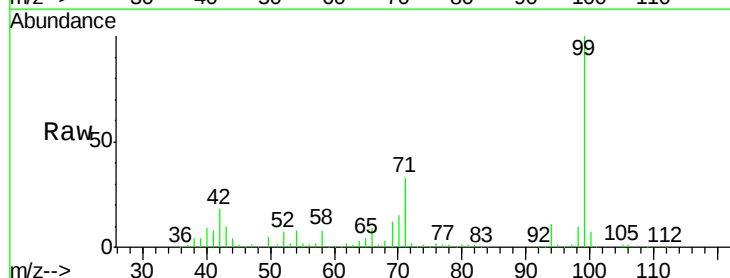
Tgt Ion: 94 Resp: 56911

Ion Ratio Lower Upper

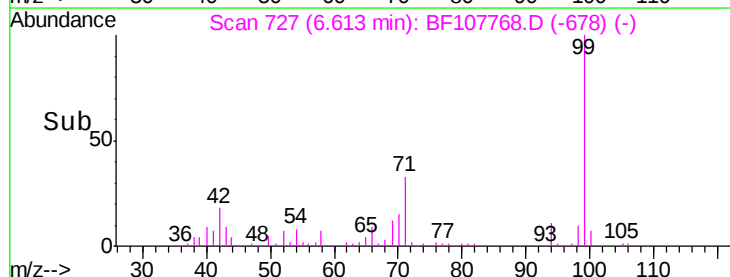
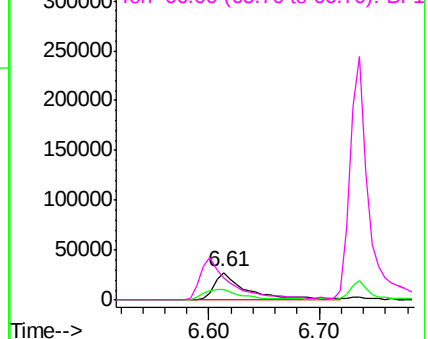
94 100

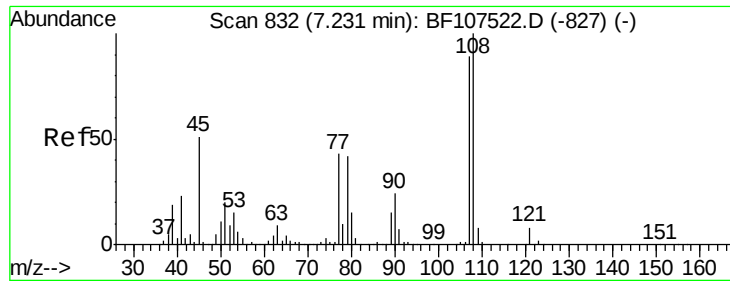
65 38.0 7.9 47.9

66 79.8 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

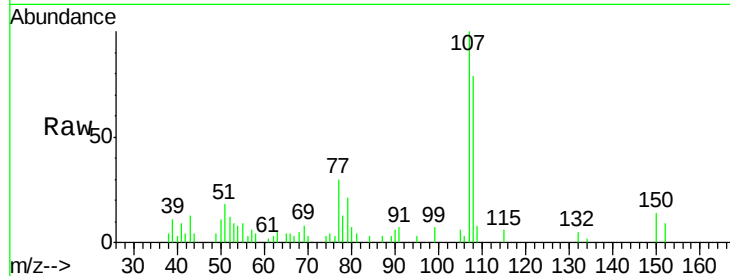




#17
2-Methylphenol
Concen: 6.449 ng
RT: 7.40 min Scan# 861
Delta R.T. 0.17 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
107	100		
108	79.2	91.7	137.5#
77	30.1	33.8	50.8#
79	21.2	33.8	50.8#



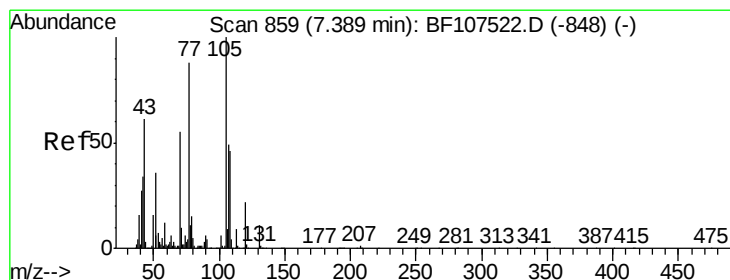
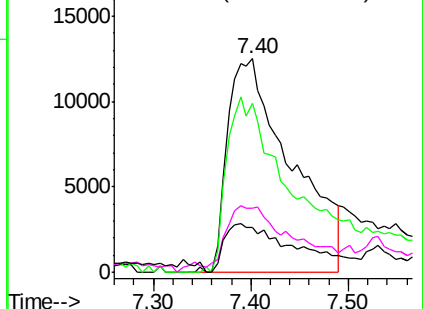
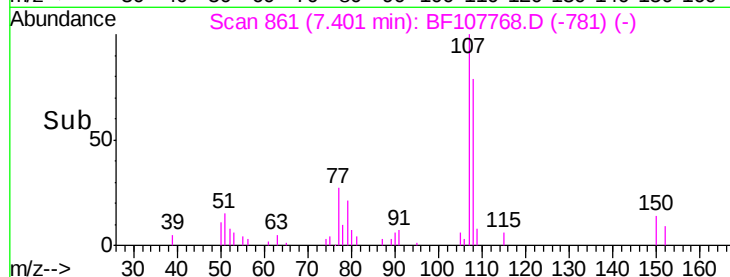
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

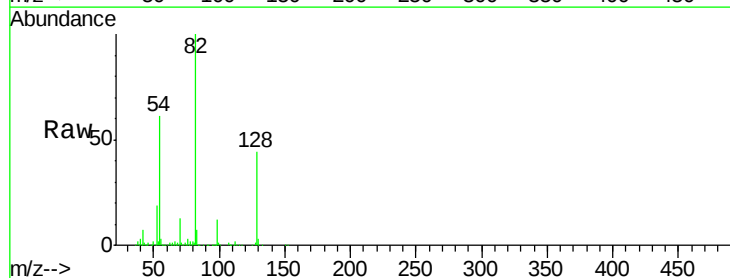
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 13.007 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.14 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion	Ratio	Lower	Upper
70	100		
42	53.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



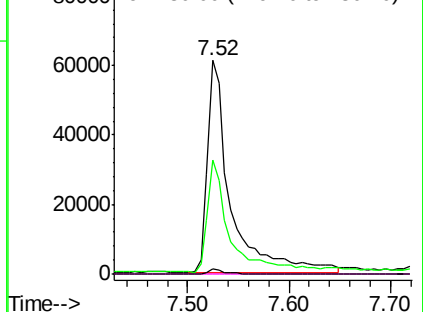
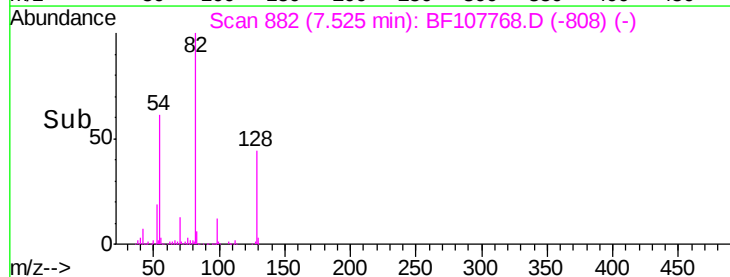
Abundance

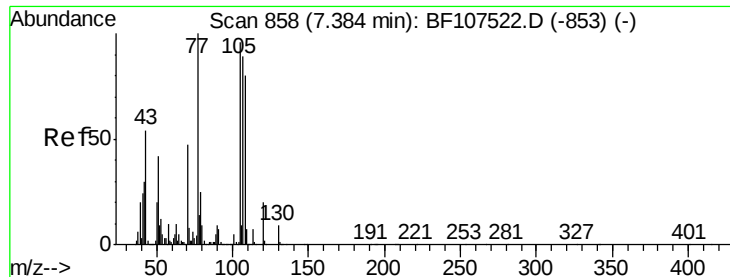
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

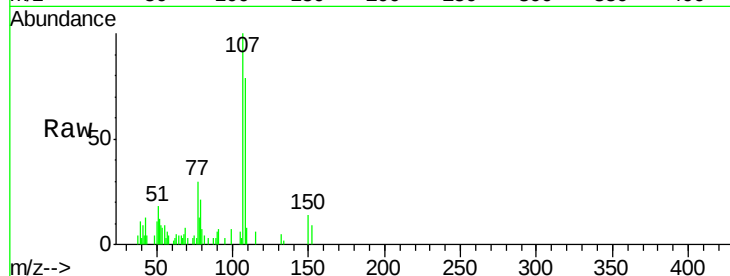




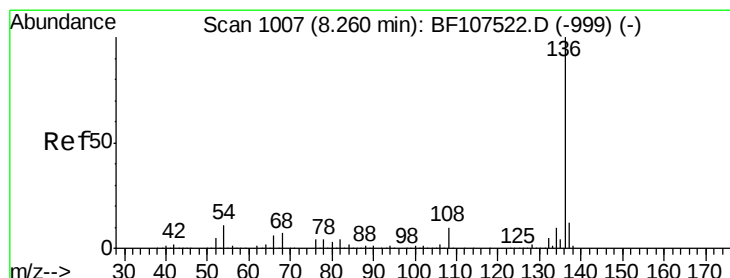
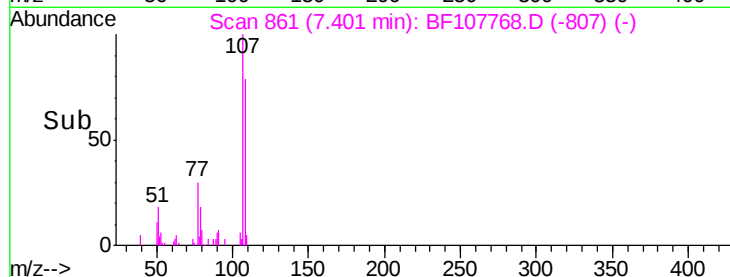
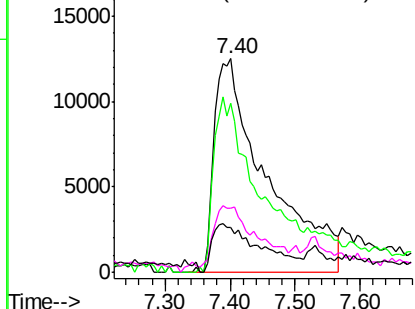
#20
3+4-Methylphenols
Concen: 6.671 ng
RT: 7.40 min Scan# 861
Delta R.T. 0.02 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:	107	Resp:	69858
Ion	Ratio	Lower	Upper
107	100		
108	79.2	68.2	108.2
77	30.1	26.7	66.7
79	21.2	6.3	46.3



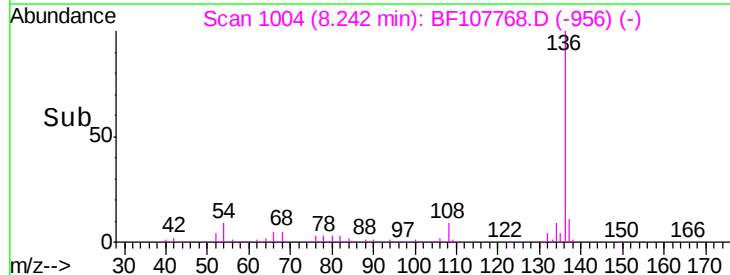
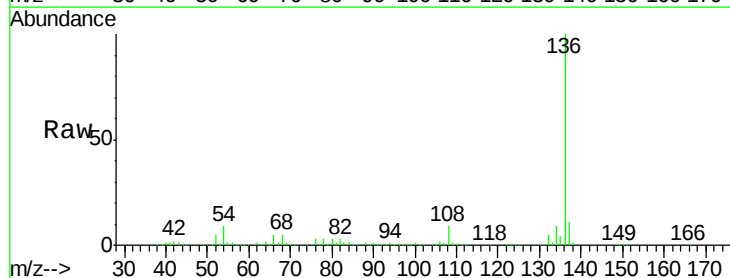
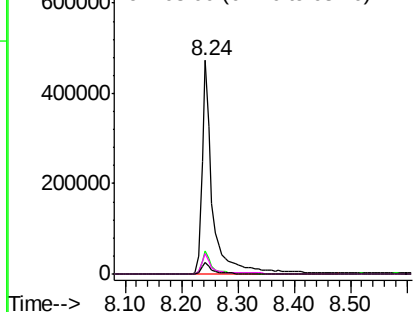
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

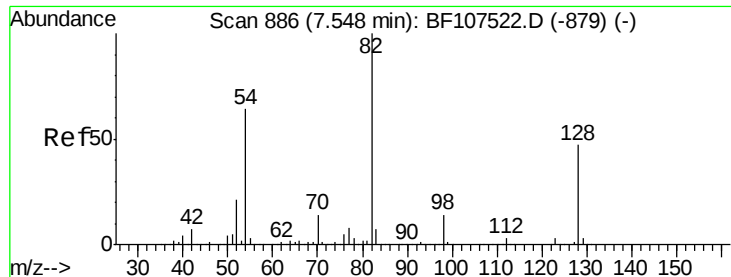


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion:	136	Resp:	630261
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.3	6.6	9.8
68	5.3	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

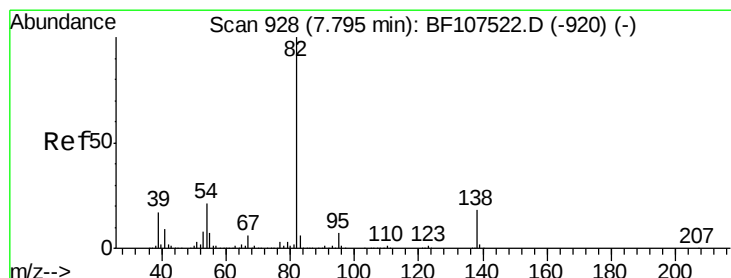
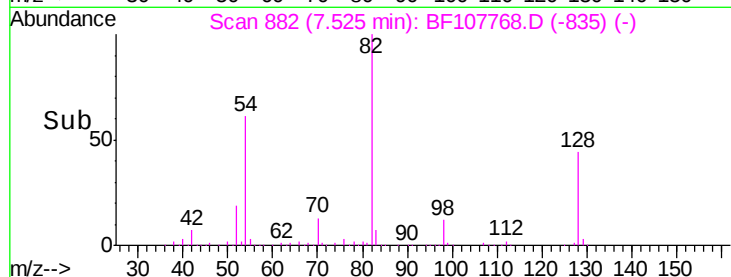
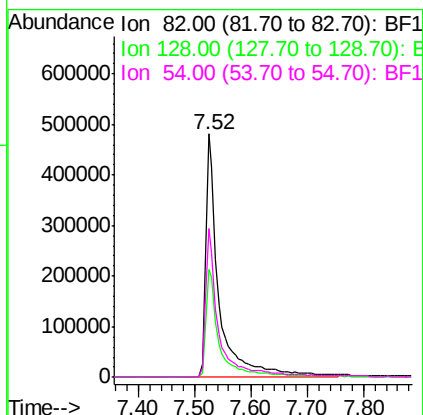
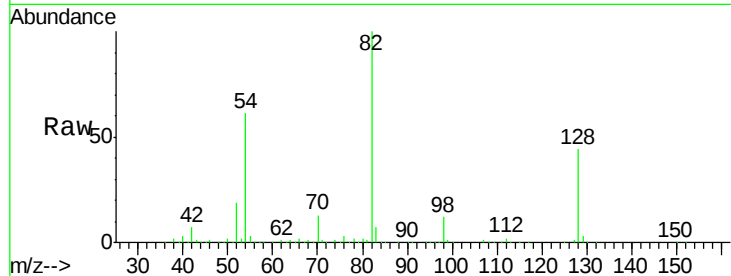




#23
Nitrobenzene-d5
Concen: 86.067 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

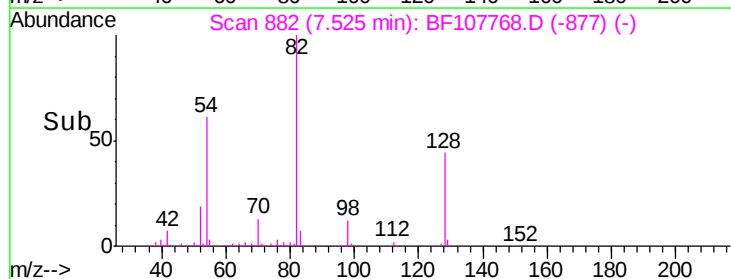
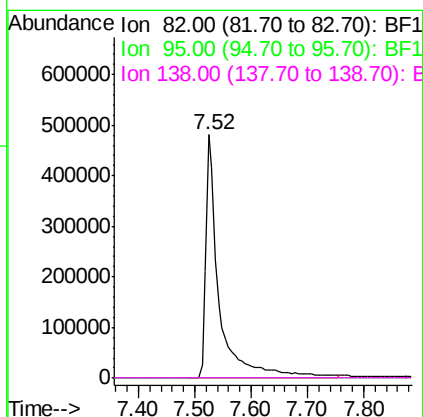
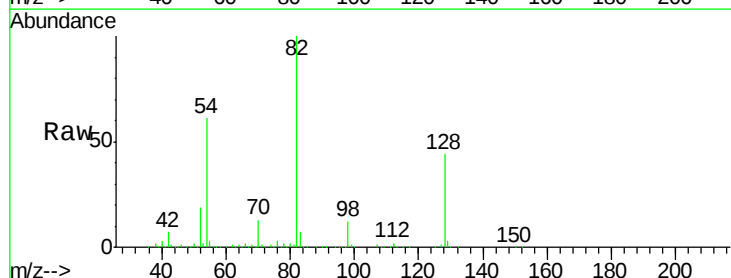
Instrument :
BNA_F
ClientSampled :

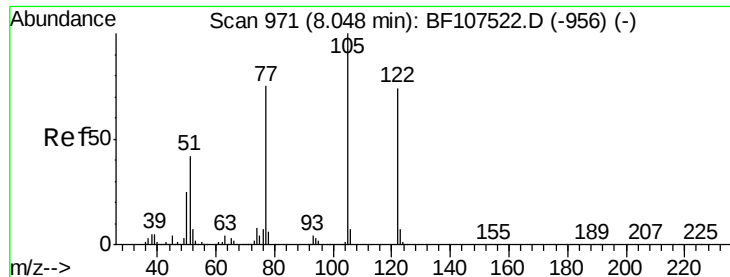
Tgt Ion: 82 Resp: 803774
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 61.4 41.4 62.2



#25
Isophorone
Concen: 40.309 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.27 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion: 82 Resp: 803774
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 8.269 ng

RT: 8.05 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

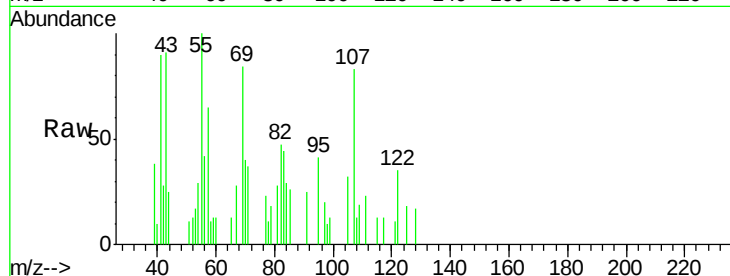
Tgt Ion:122 Resp: 2641

Ion Ratio Lower Upper

122 100

105 91.2 101.1 141.1#

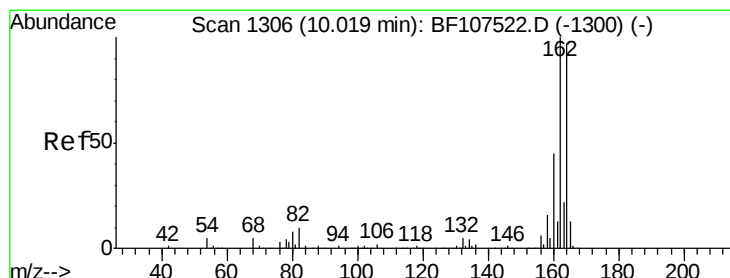
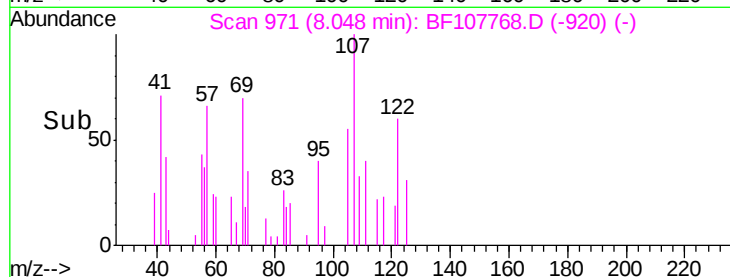
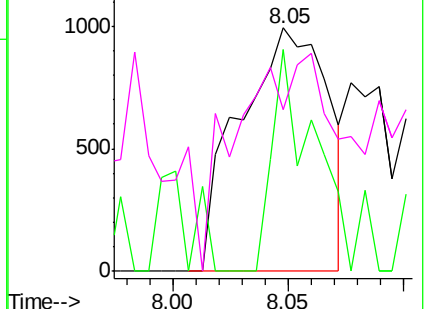
77 66.2 70.7 110.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

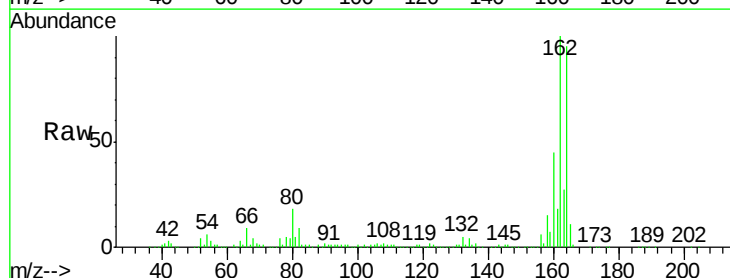
Tgt Ion:164 Resp: 243510

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

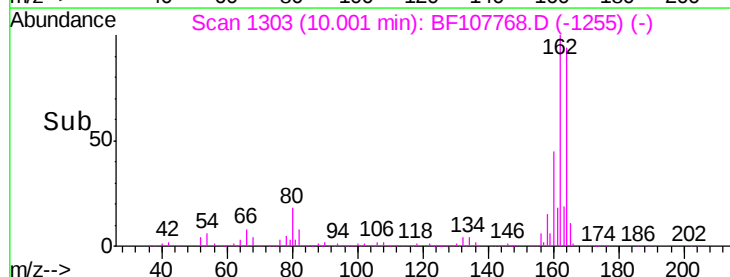
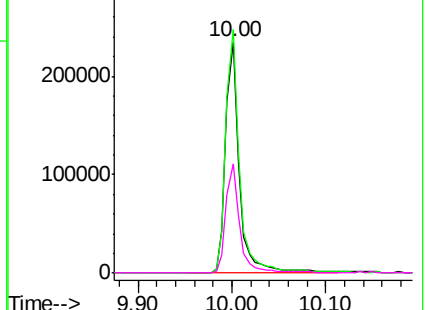
160 47.3 38.3 57.5

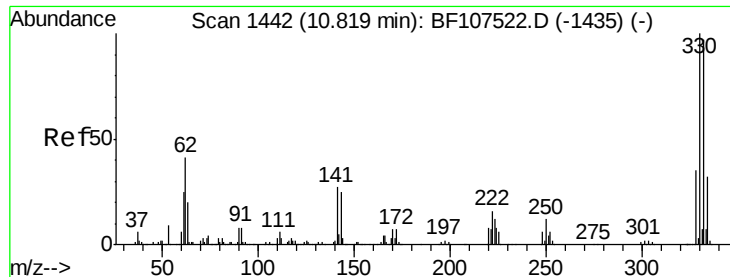


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

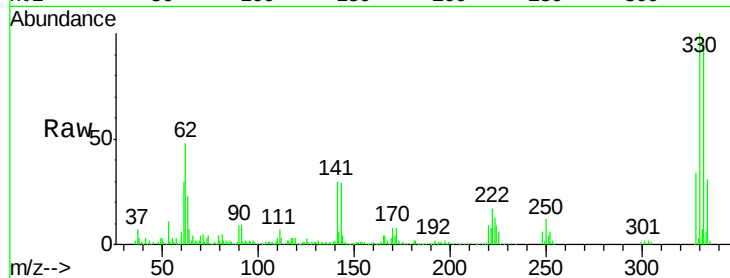




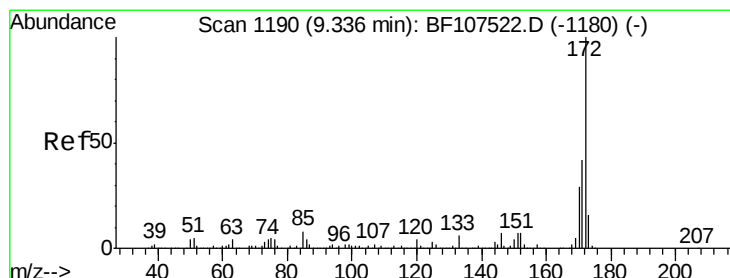
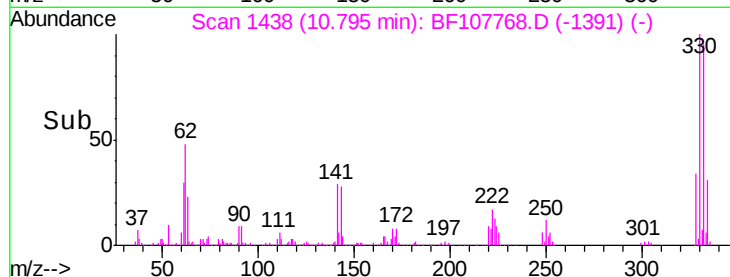
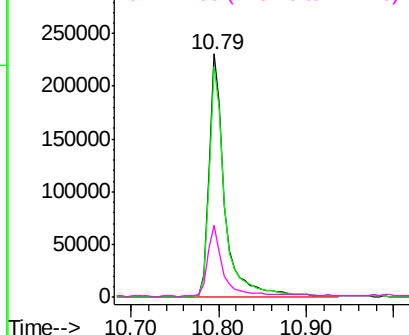
#41
 2,4,6-Tribromophenol
 Concen: 104.998 ng
 RT: 10.79 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107768.D
 Acq: 28 Jul 2018 1:19

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:330 Resp: 290749
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 27.8 29.9 44.9#

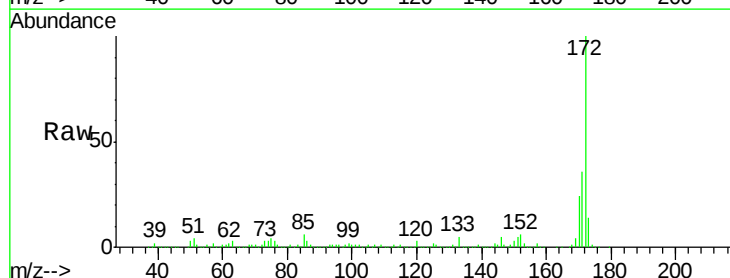


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

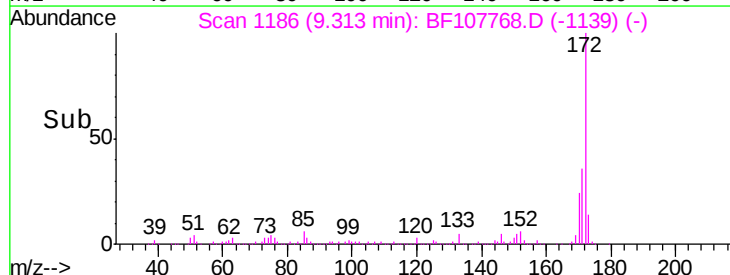
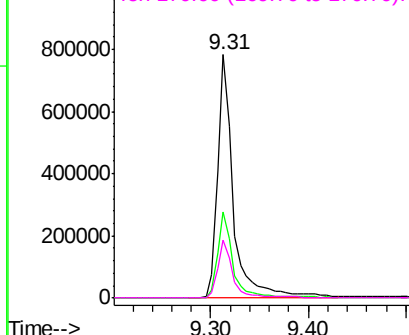


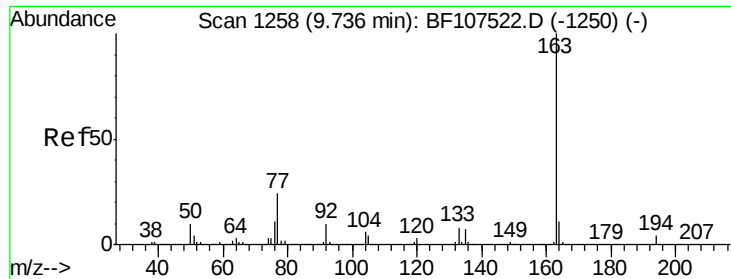
#44
 2-Fluorobiphenyl
 Concen: 56.866 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107768.D
 Acq: 28 Jul 2018 1:19

Tgt Ion:172 Resp: 890002
 Ion Ratio Lower Upper
 172 100
 171 35.7 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

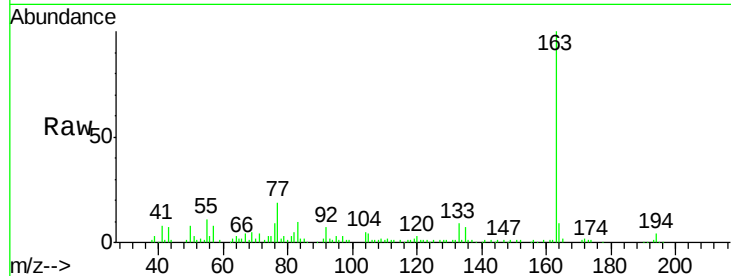




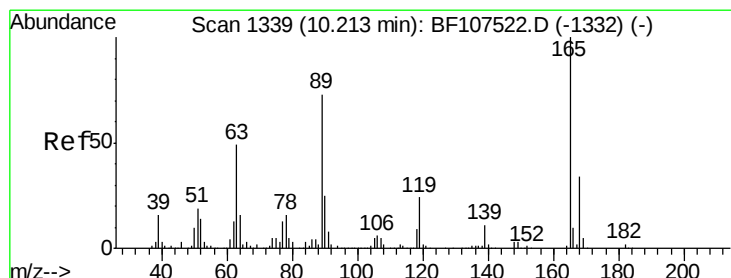
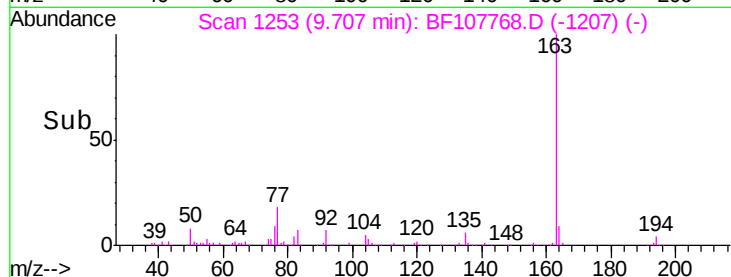
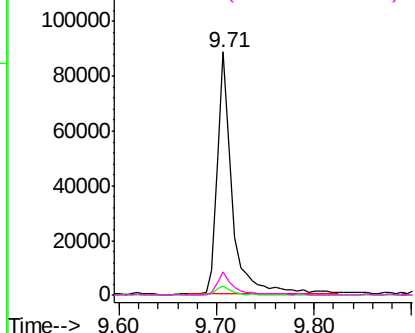
#49
Dimethylphthalate
Concen: 5.113 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 93841
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.4 8.2 12.2

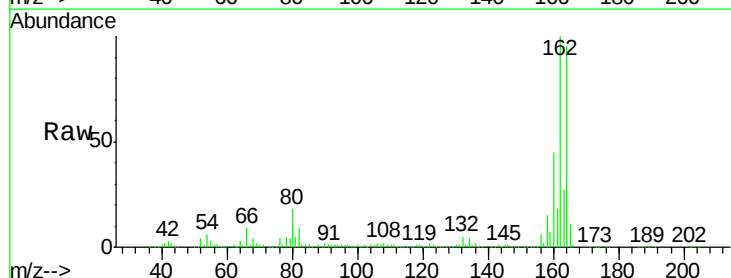


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

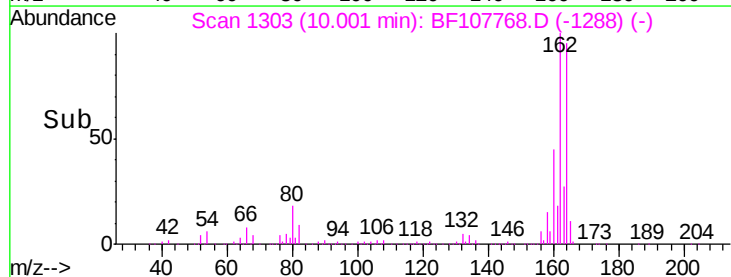
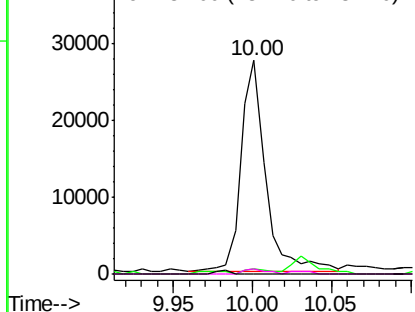


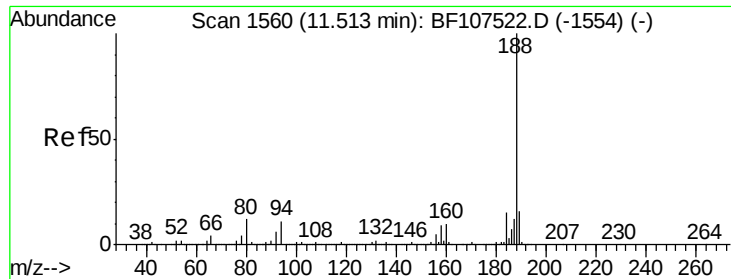
#56
2,4-Dinitrotoluene
Concen: 6.645 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.21 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion:165 Resp: 29227
Ion Ratio Lower Upper
165 100
63 2.5 36.4 54.6#
89 2.1 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: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

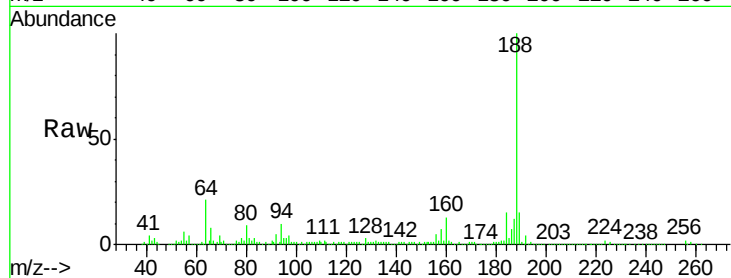
Tgt Ion:188 Resp: 424681

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

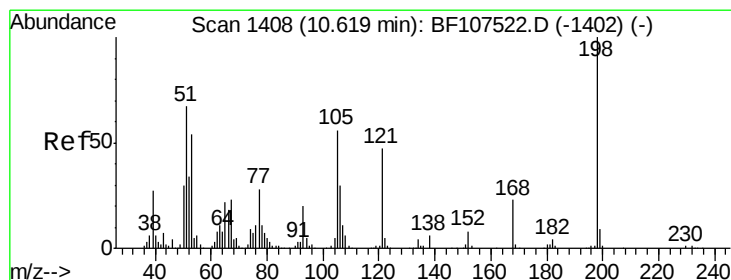
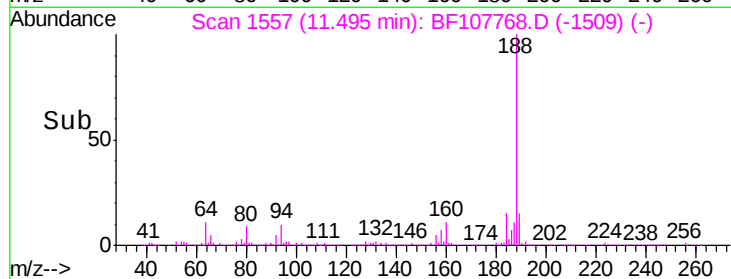
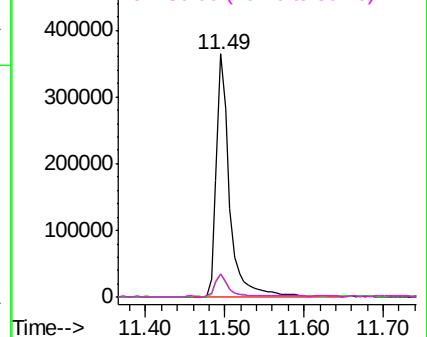
80 9.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 8.725 ng

RT: 10.74 min Scan# 1428

Delta R.T. 0.12 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

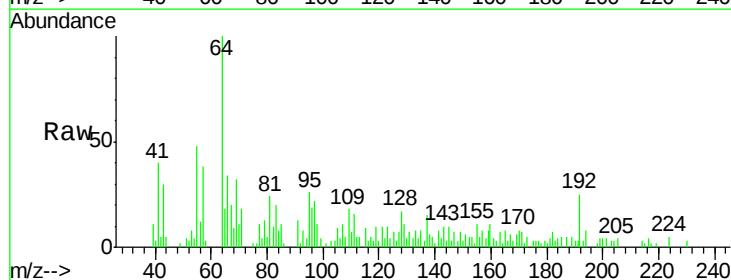
Tgt Ion:198 Resp: 112

Ion Ratio Lower Upper

198 100

51 219.2 37.7 77.7#

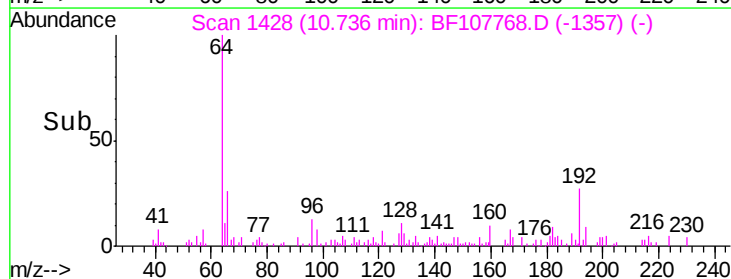
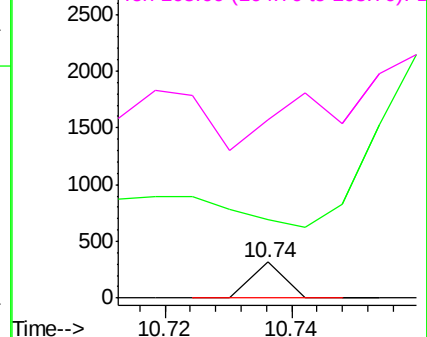
105 495.0 36.3 76.3#

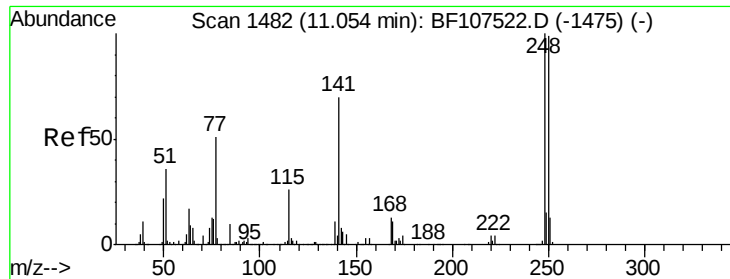


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

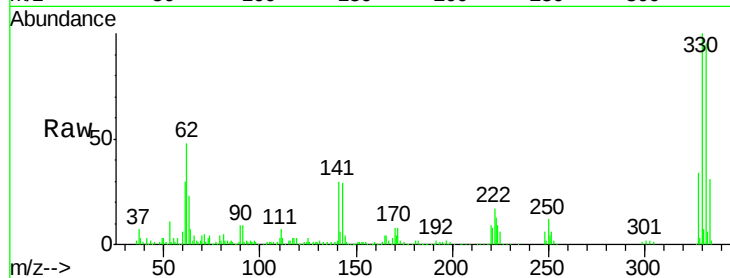




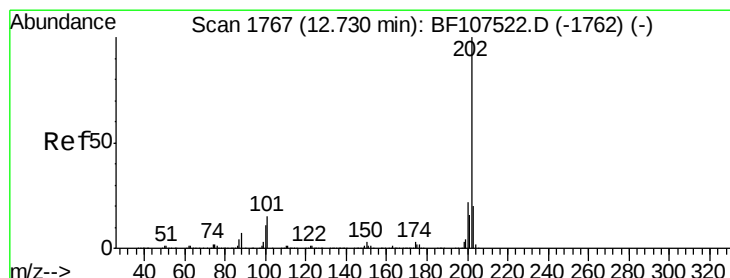
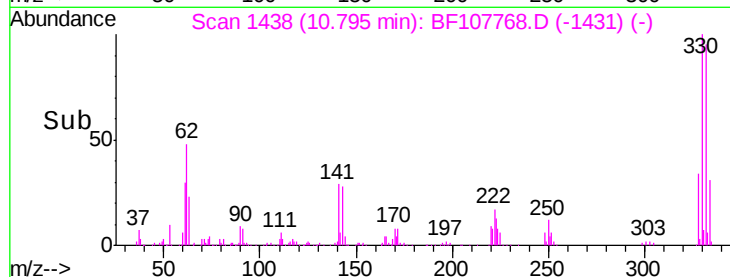
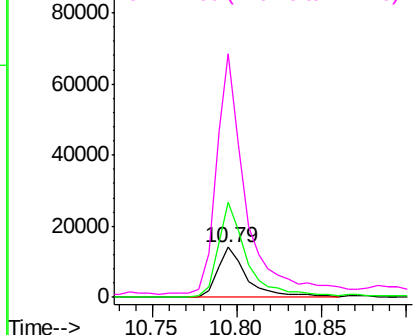
#66
4-Bromophenyl-phenylether
Concen: 3.406 ng
RT: 10.79 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 17026
Ion Ratio Lower Upper
248 100
250 188.9 76.9 115.3#
141 484.6 74.4 111.6#

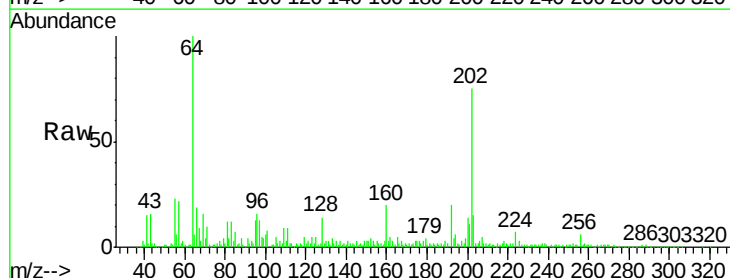


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

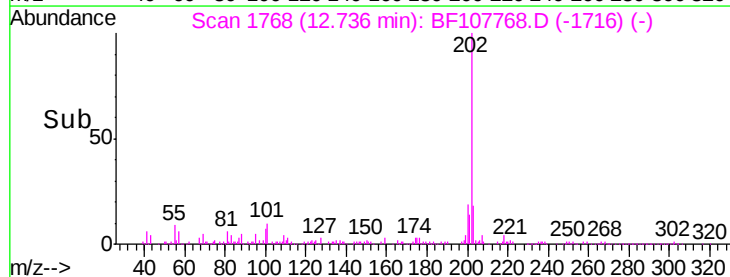
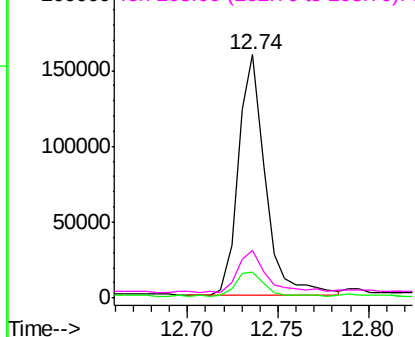


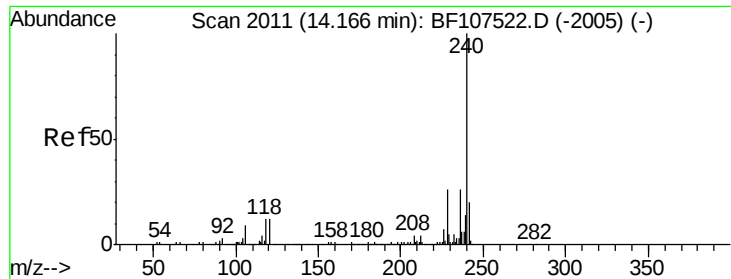
#74
Fluoranthene
Concen: 7.300 ng
RT: 12.74 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion:202 Resp: 162103
Ion Ratio Lower Upper
202 100
101 10.8 0.0 34.1
203 19.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

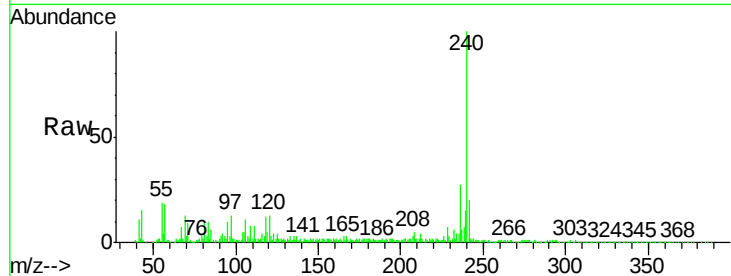
Tgt Ion:240 Resp: 399402

Ion Ratio Lower Upper

240 100

120 13.0 9.5 14.3

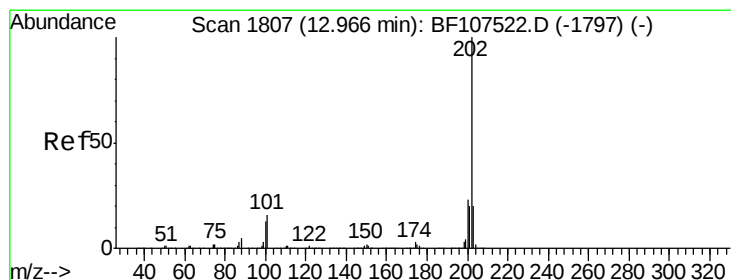
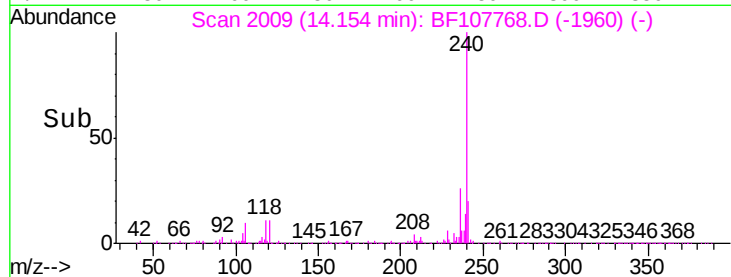
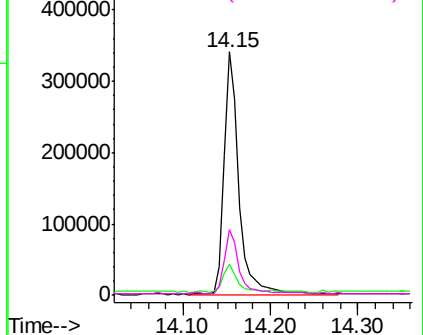
236 27.0 20.7 31.1



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



#77

Pyrene

Concen: 5.934 ng

RT: 12.74 min Scan# 1768

Delta R.T. -0.23 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

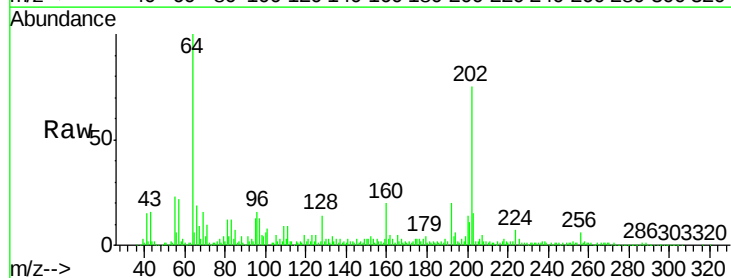
Tgt Ion:202 Resp: 162103

Ion Ratio Lower Upper

202 100

200 19.4 17.4 26.2

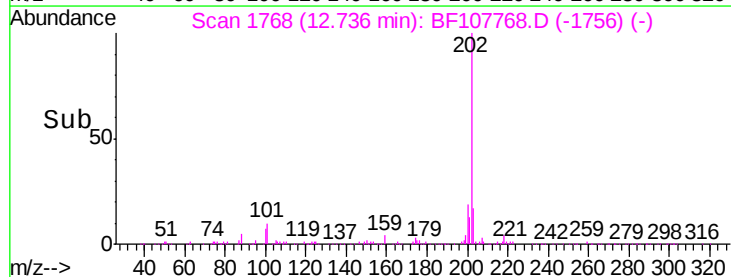
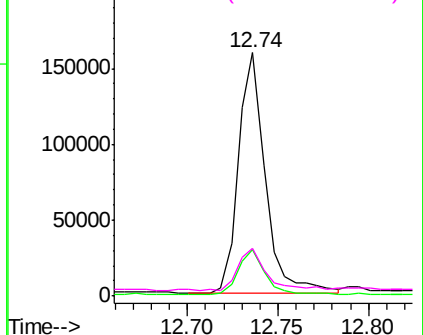
203 19.6 14.3 21.5

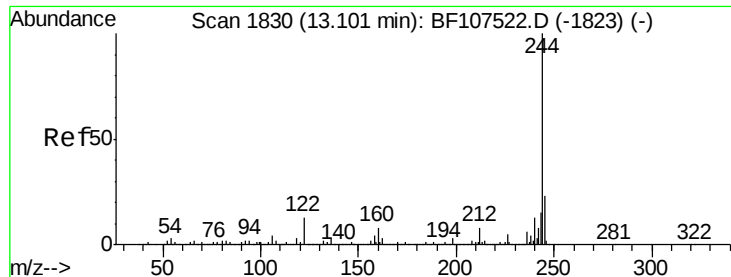


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.076 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

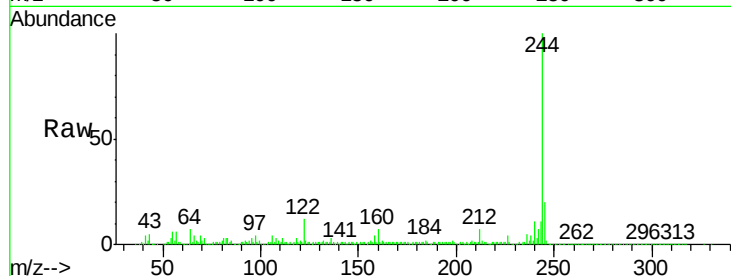
Tgt Ion:244 Resp: 828038

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

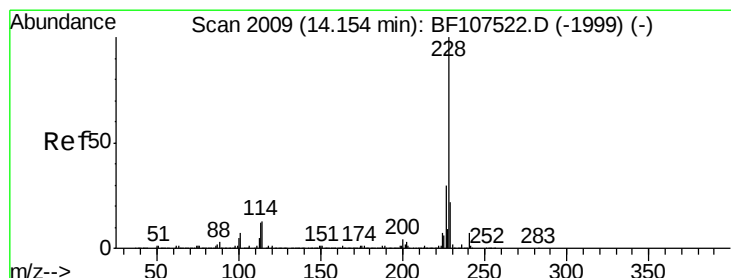
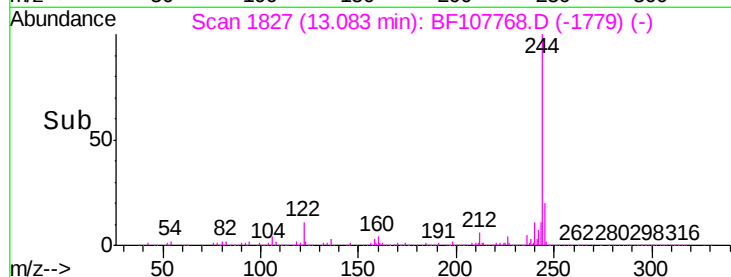
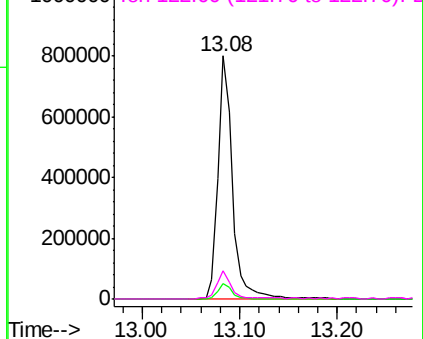
122 11.6 11.0 16.4



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: 2.041 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

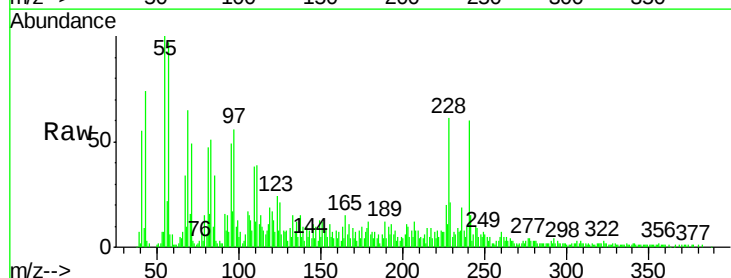
Tgt Ion:228 Resp: 47777

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

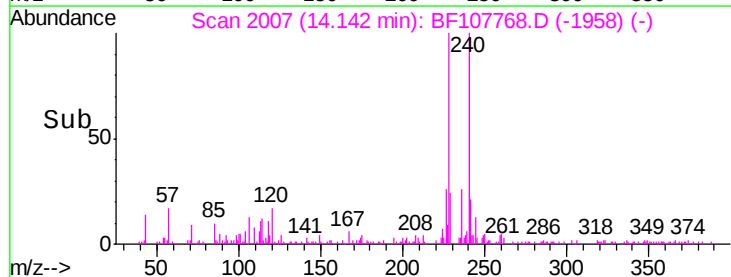
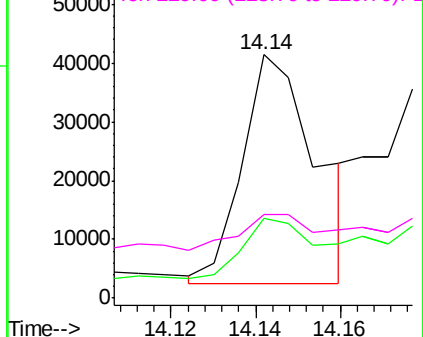
229 34.2 15.8 23.6#

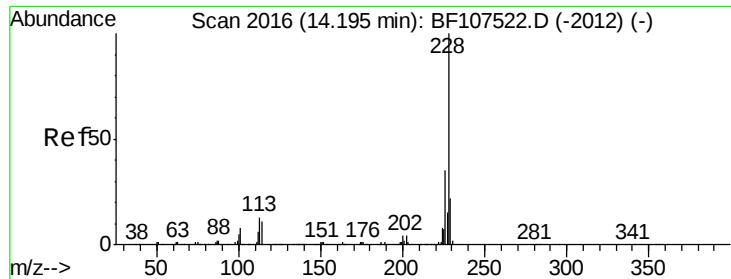


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.695 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

Instrument :

BNA_F

ClientSampleId :

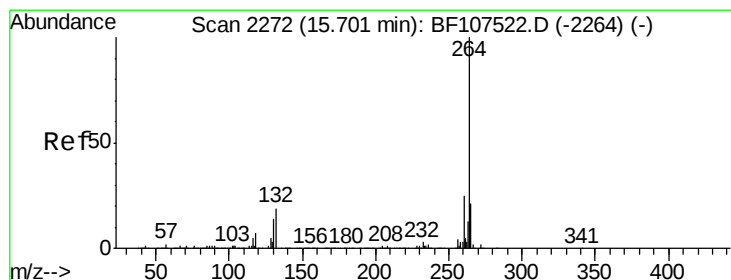
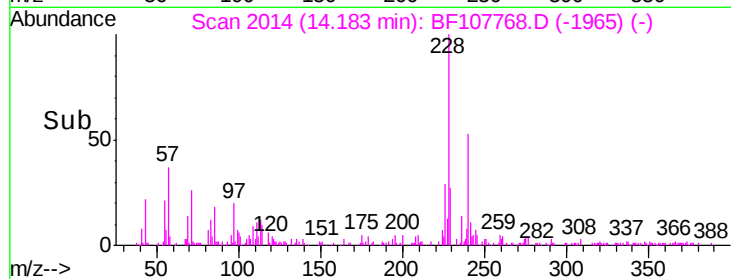
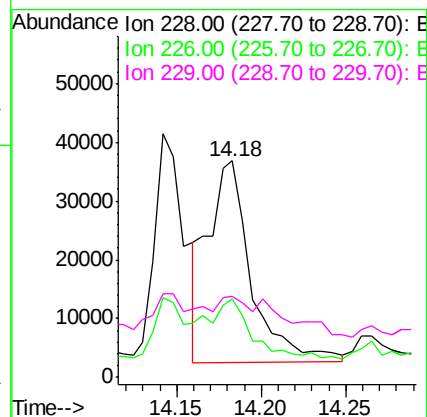
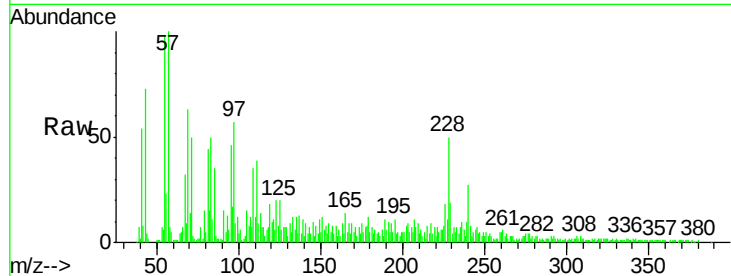
Tgt Ion:228 Resp: 60599

Ion Ratio Lower Upper

228 100

226 36.0 25.0 37.6

229 37.6 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107768.D

Acq: 28 Jul 2018 1:19

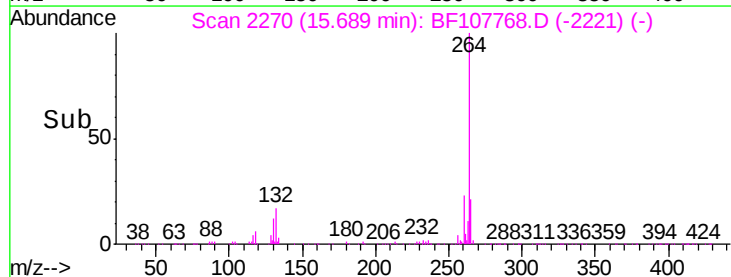
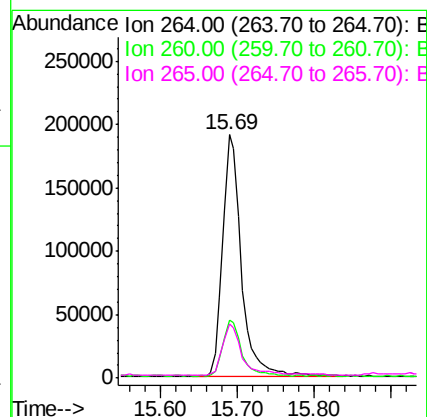
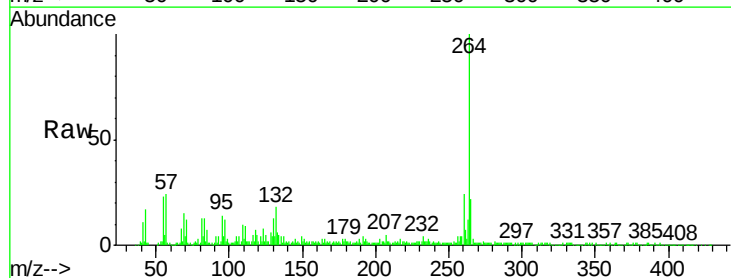
Tgt Ion:264 Resp: 324040

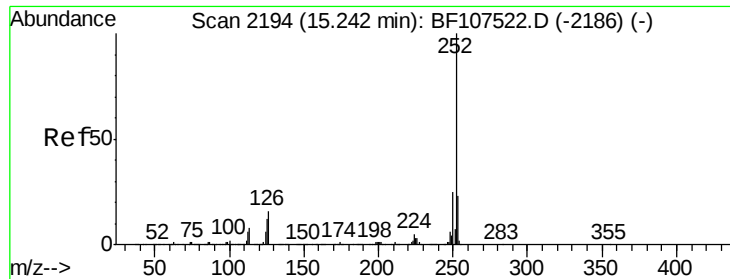
Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.3 17.5 26.3

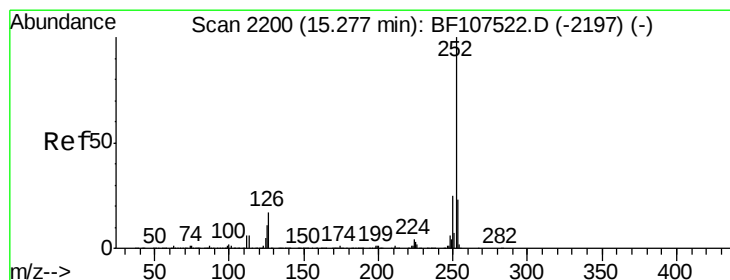
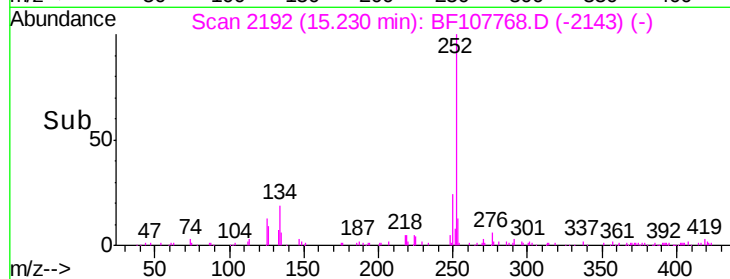
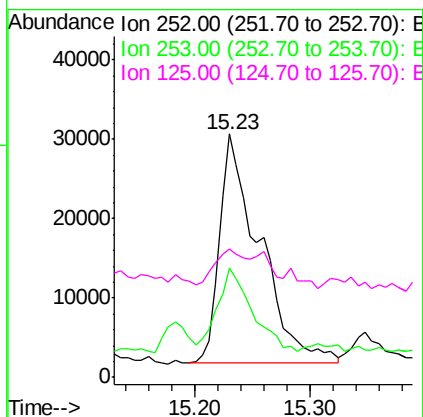
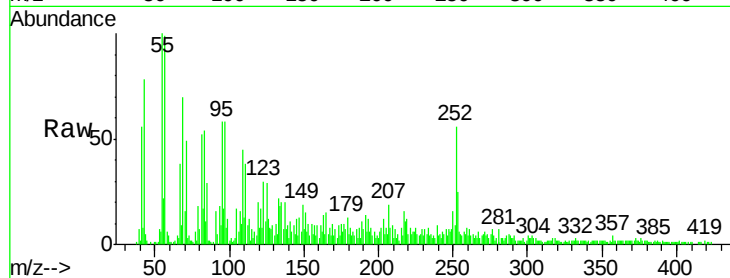




#87
Benzo(b)fluoranthene
Concen: 3.929 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.7	17.0	25.6#
125	52.6	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.010 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF107768.D
Acq: 28 Jul 2018 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.7	17.9	26.9#
125	52.6	10.2	15.2#

