

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107717.D
 Acq On : 26 Jul 2018 23:10
 Operator : JU/SJ
 Sample : J4109-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(10-12)

Quant Time: Jul 27 01:15:37 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	190028	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	784984	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	348106	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	615645	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	432369	20.00	ng	-0.02
86) Perylene-d12	15.67	264	475537	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1346057	113.89	ng	0.00
7) Phenol-d6	6.60	99	1619530	114.12	ng	-0.01
23) Nitrobenzene-d5	7.52	82	1059961	91.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	487362	123.12	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1879985	95.70	ng	-0.02
78) Terphenyl-d14	13.08	244	1356191	80.30	ng	-0.02

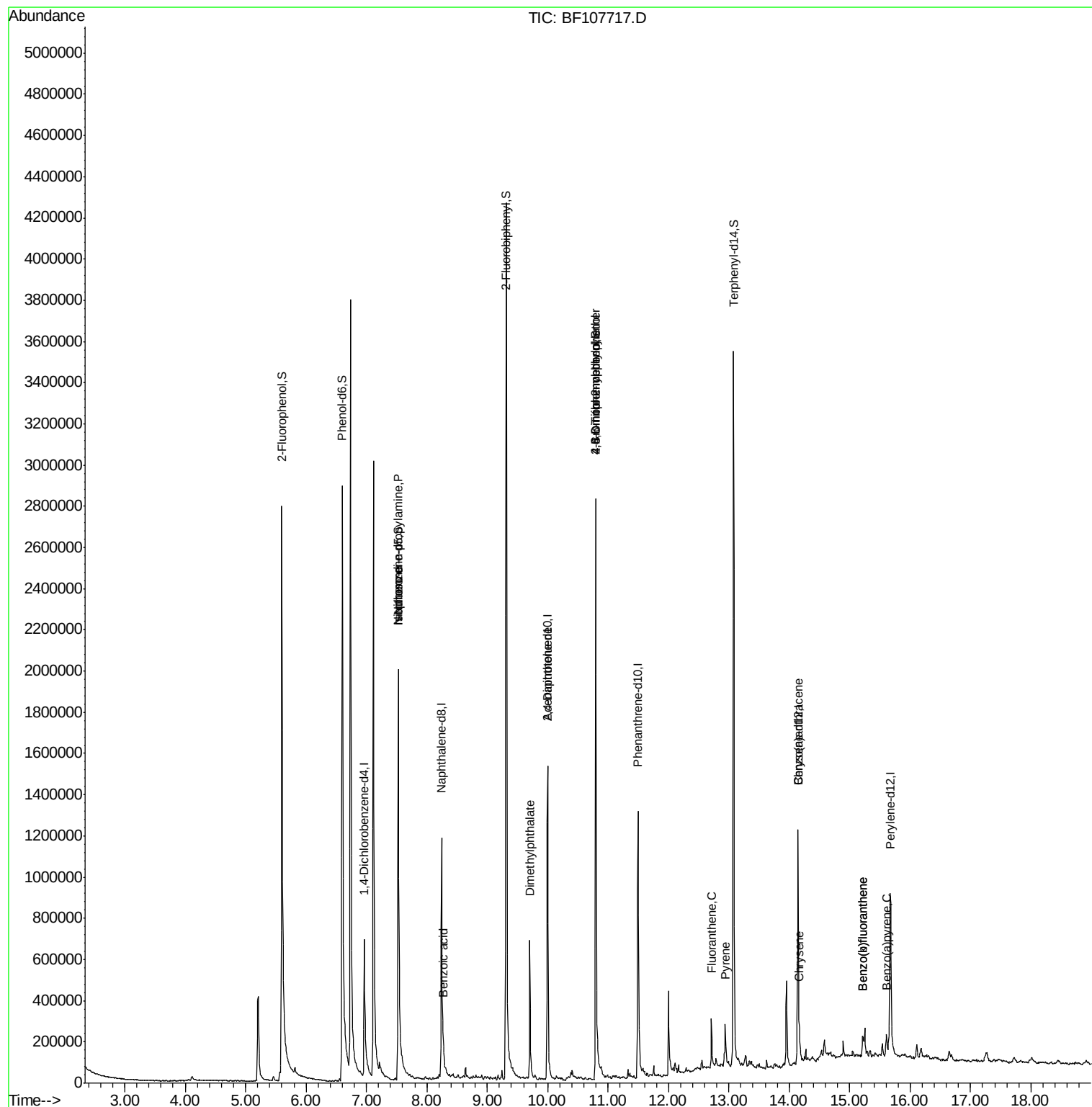
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	136735	14.914	ng	# 78
25) Isophorone	7.52	82	1059961	42.680	ng	# 64
32) Benzoic acid	8.28	122	118	7.913	ng	# 1
49) Dimethylphthalate	9.71	163	311082	11.857	ng	99
56) 2,4-Dinitrotoluene	10.00	165	44003	6.998	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	855	8.916	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	30093	4.152	ng	# 1
73) Di-n-butylphthalate	12.04	149	5312	Below Cal		# 88
74) Fluoranthene	12.71	202	113875	3.537	ng	95
77) Pyrene	12.94	202	105203	3.557	ng	98
80) Benzo(a)anthracene	14.14	228	65424	2.582	ng	94
81) 3,3'-Dichlorobenzidine	14.08	252	132	Below Cal		# 27
82) Chrysene	14.17	228	57982	2.382	ng	96
87) Benzo(b)fluoranthene	15.22	252	102564	3.941	ng	97
88) Benzo(k)fluoranthene	15.22	252	102564	4.022	ng	98
89) Benzo(a)pyrene	15.61	252	61806	2.596	ng	95

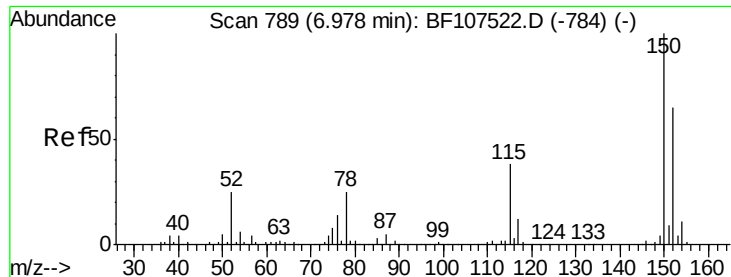
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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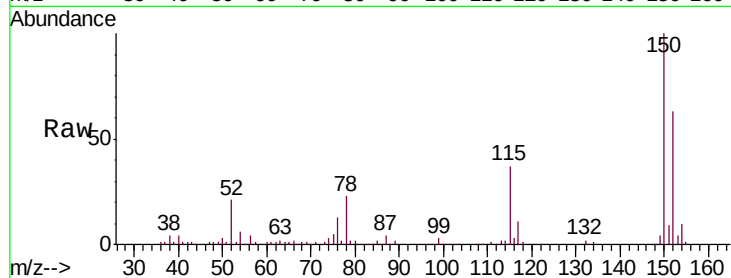


#1

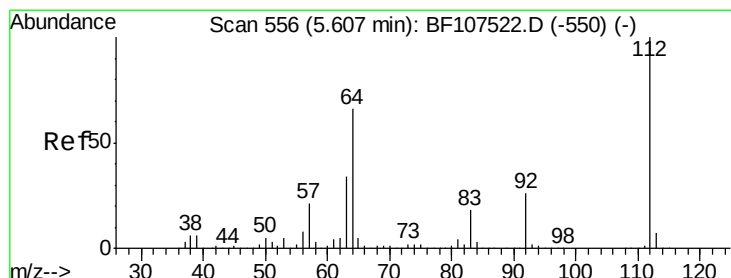
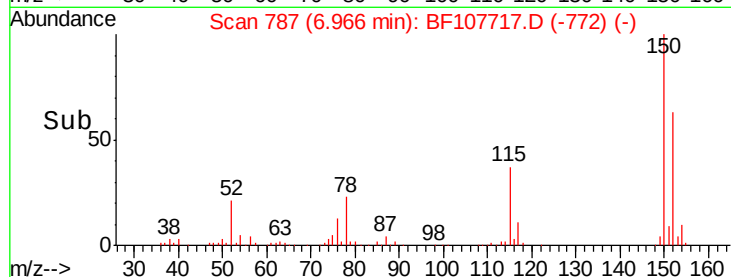
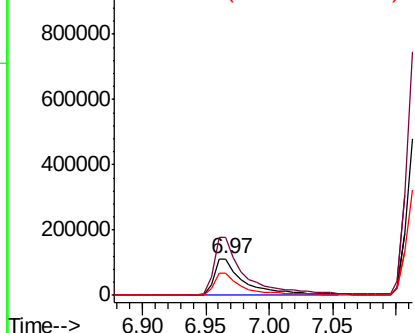
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
BNA_F
ClientSampleId :
SB-10(10-12)

Tgt Ion:152 Resp: 190028
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 59.5 50.1 75.1



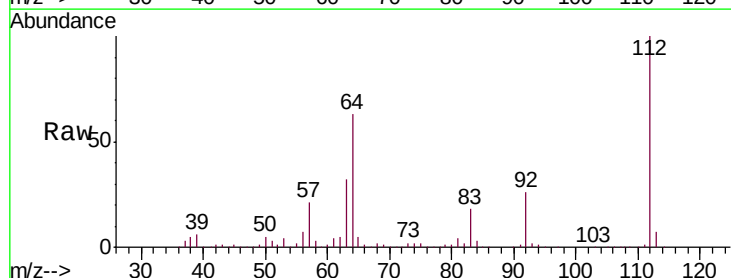
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



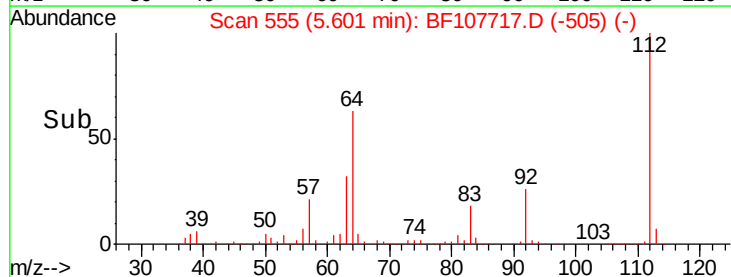
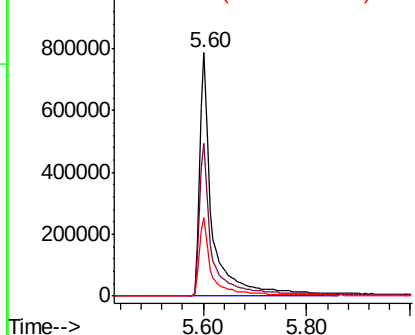
#5

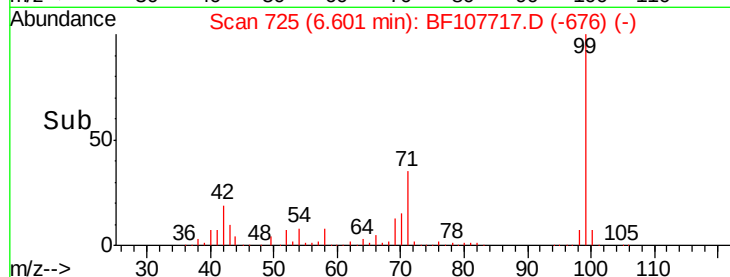
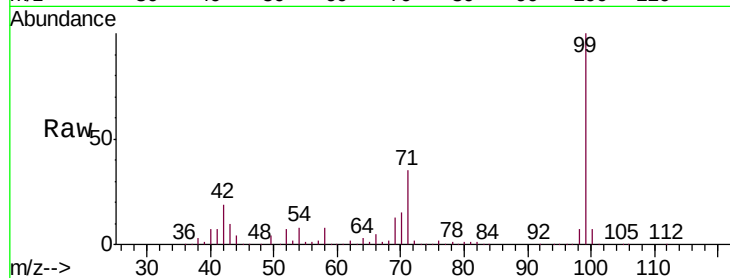
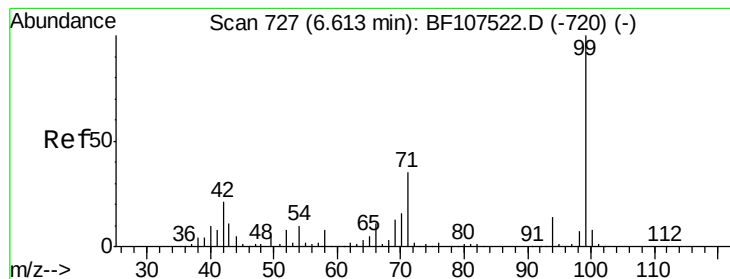
2-Fluorophenol
Concen: 113.889 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion:112 Resp: 1346057
Ion Ratio Lower Upper
112 100
64 62.8 47.9 71.9
63 32.4 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: 114.119 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

Instrument :

BNA_F

ClientSampleId :

SB-10(10-12)

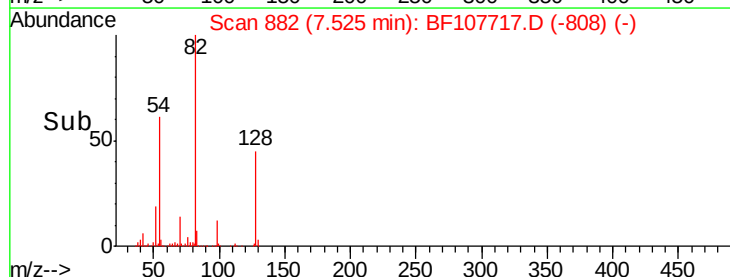
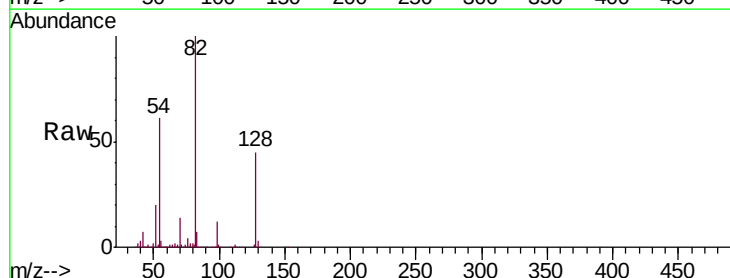
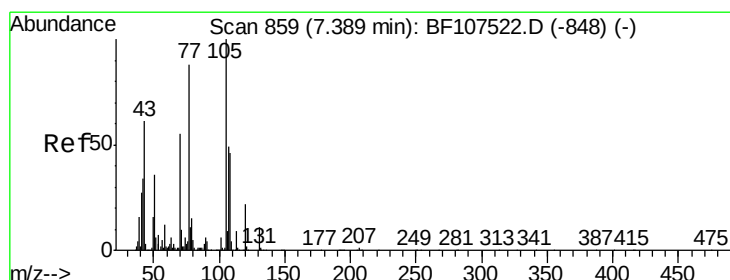
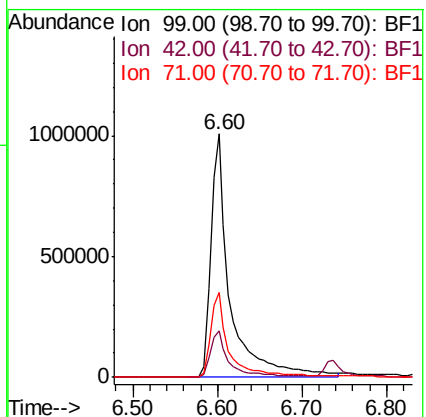
Tgt Ion: 99 Resp: 1619530

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.914 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

Tgt Ion: 70 Resp: 136735

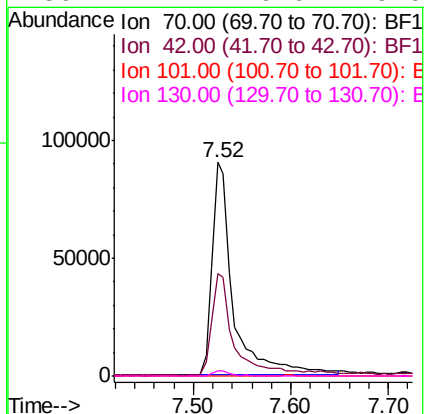
Ion Ratio Lower Upper

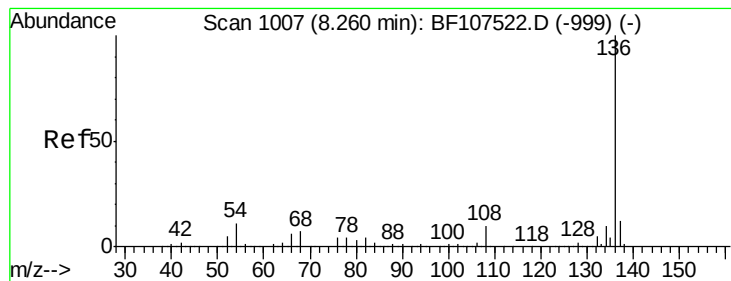
70 100

42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

Instrument :

BNA_F

ClientSampleId :

SB-10(10-12)

Tgt Ion:136 Resp: 784984

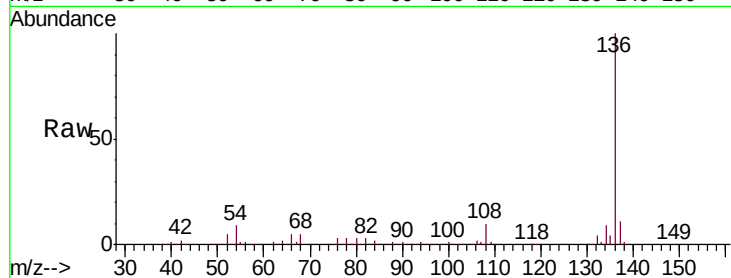
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.3 6.6 9.8

68 5.5 5.0 7.4

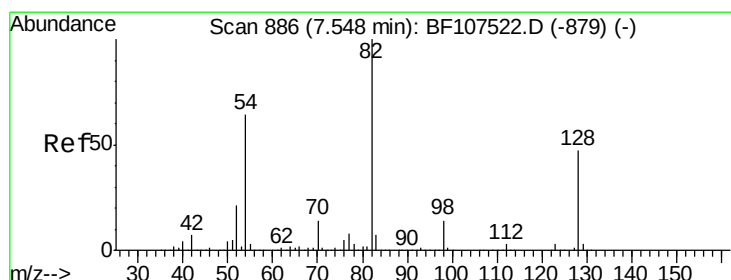
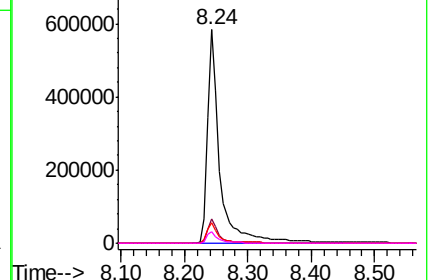
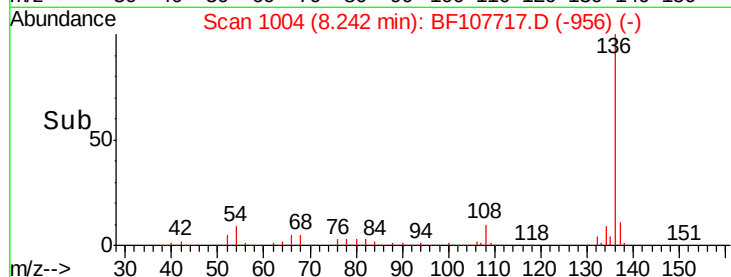


Abundance Ion 136.00 (135.70 to 136.70): E

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: 91.128 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

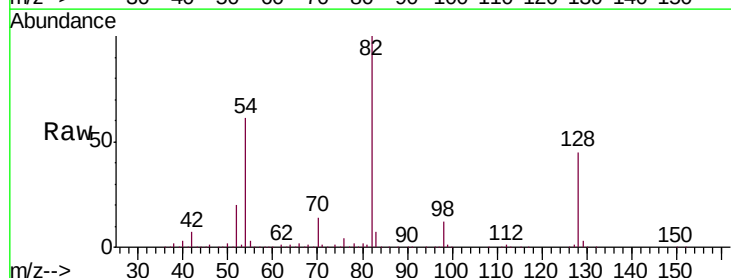
Tgt Ion: 82 Resp: 1059961

Ion Ratio Lower Upper

82 100

128 45.0 36.1 54.1

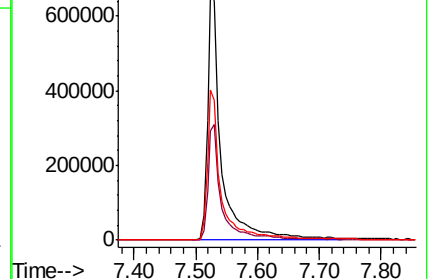
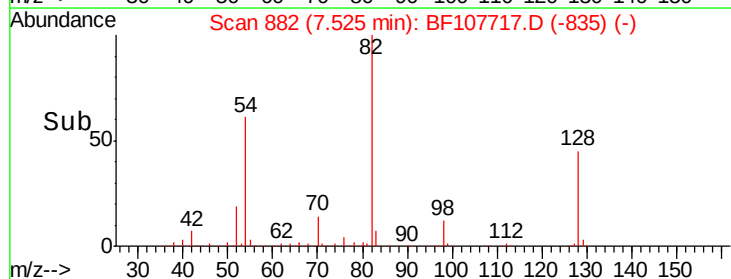
54 61.4 41.4 62.2

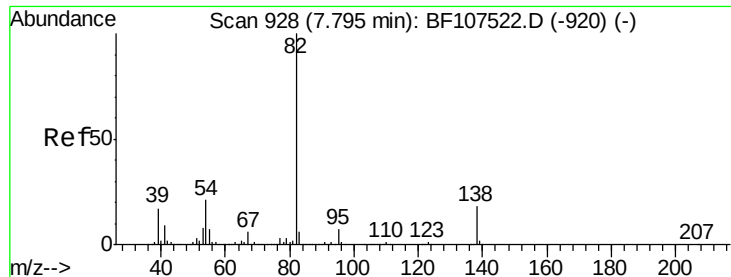


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.680 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF107717.D

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SB-10(10-12)

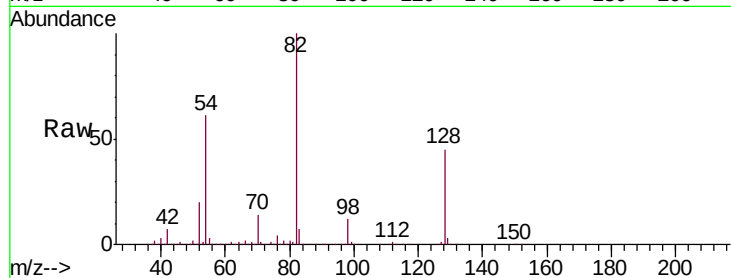
Tgt Ion: 82 Resp: 1059961

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

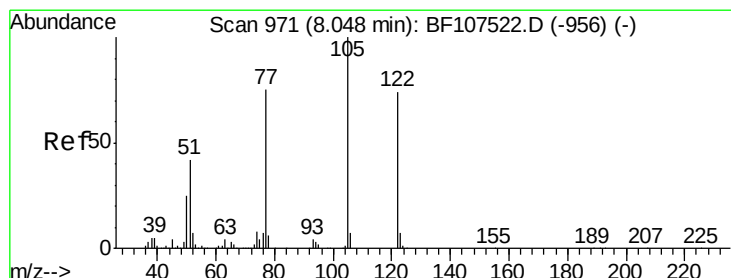
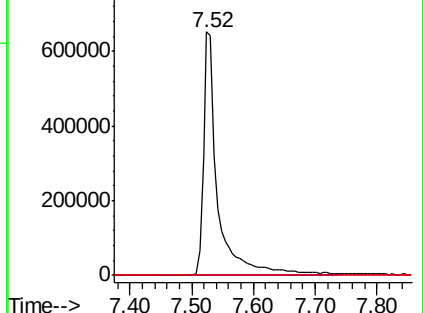
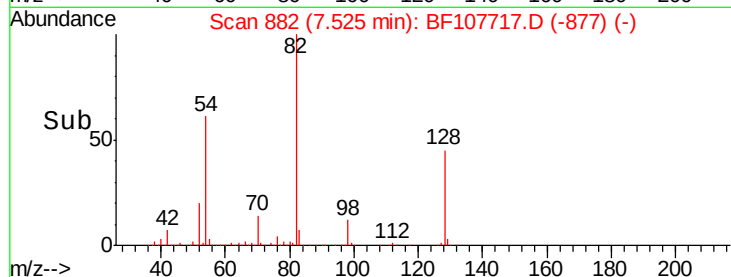
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.913 ng

RT: 8.28 min Scan# 1010

Delta R.T. 0.23 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

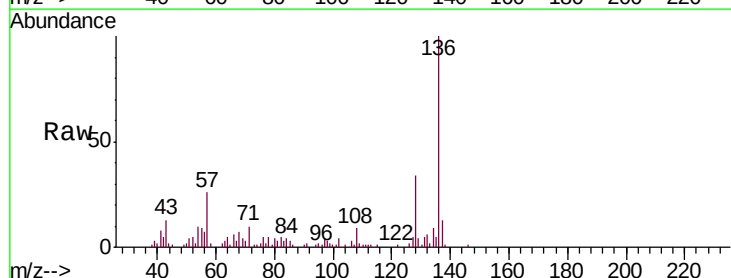
Tgt Ion: 122 Resp: 118

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

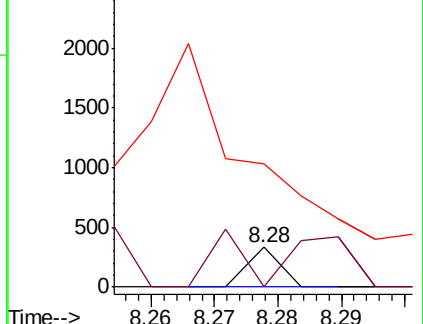
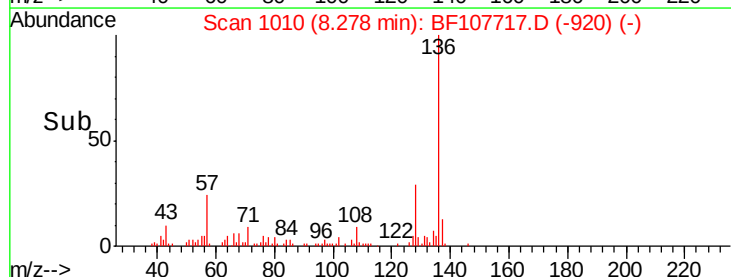
77 308.4 70.7 110.7#

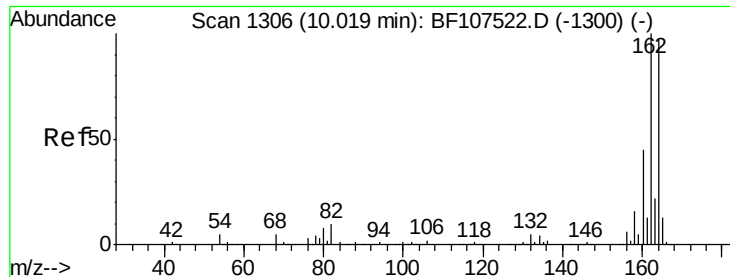


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

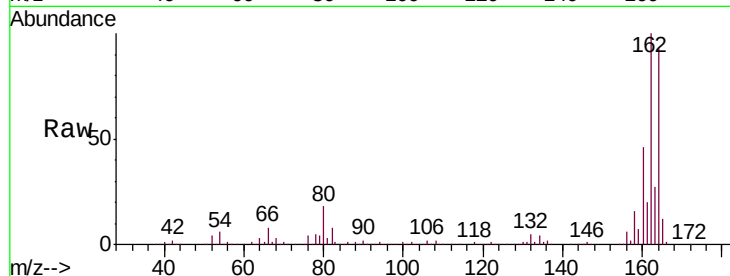




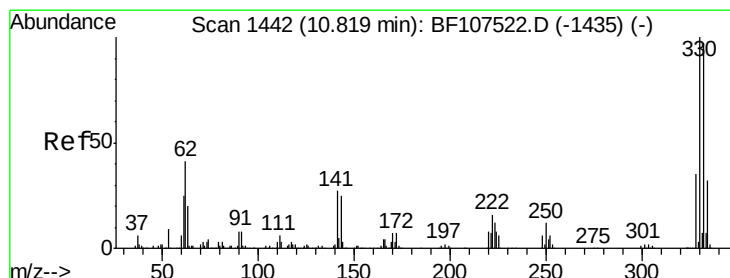
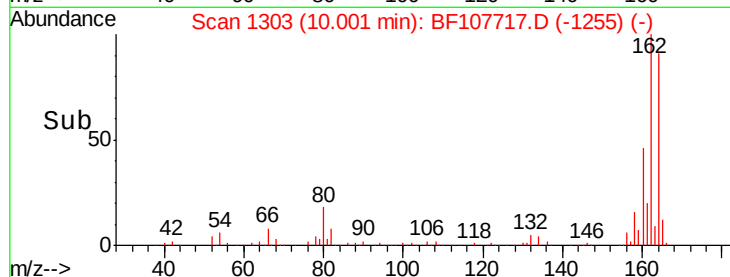
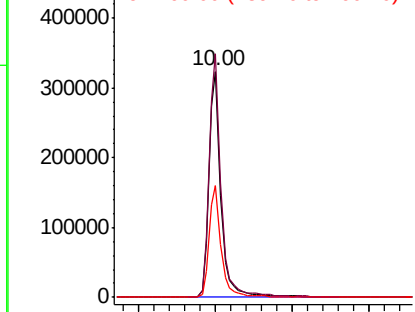
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
BNA_F
ClientSampleId :
SB-10(10-12)

Tgt Ion:164 Resp: 348106
Ion Ratio Lower Upper
164 100
162 107.9 86.1 129.1
160 49.7 38.3 57.5

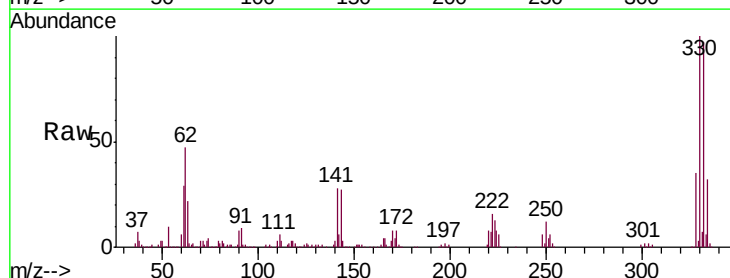


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

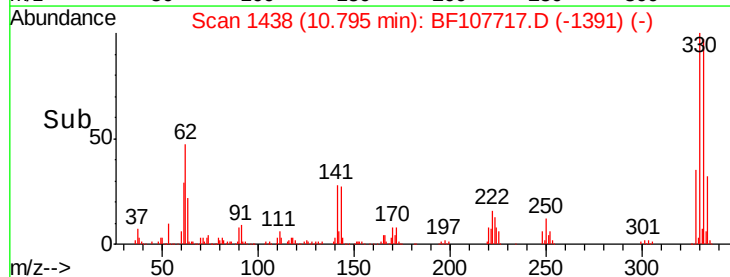
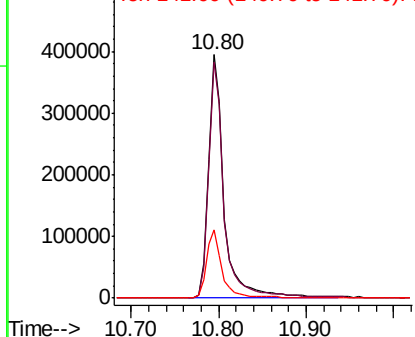


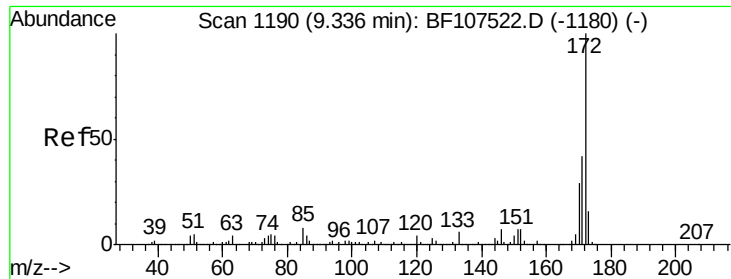
#41
2,4,6-Tribromophenol
Concen: 123.118 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion:330 Resp: 487362
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 28.9 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

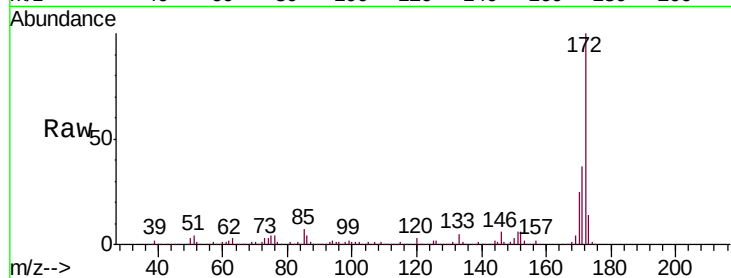




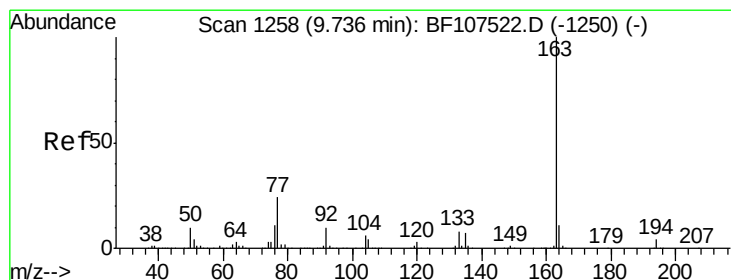
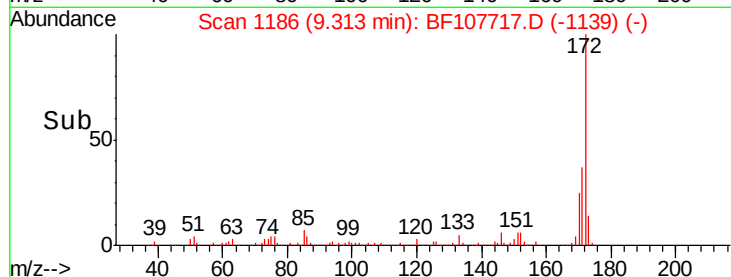
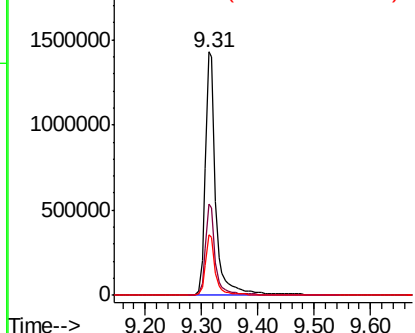
#44
2-Fluorobiphenyl
Concen: 95.699 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
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SB-10(10-12)

Tgt Ion:172 Resp: 1879985
Ion Ratio Lower Upper
172 100
171 37.4 29.7 44.5
170 24.8 19.6 29.4

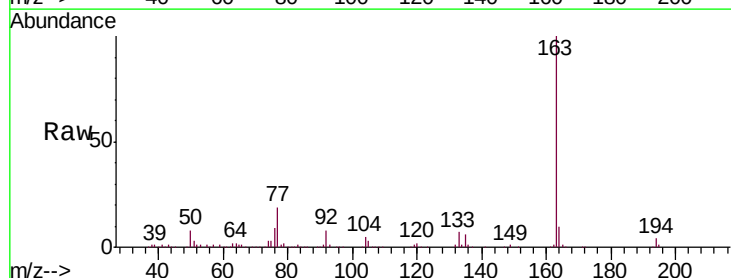


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

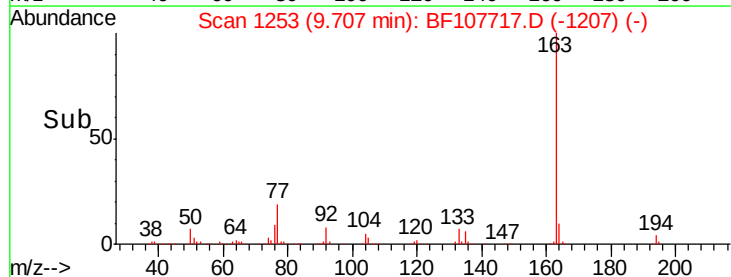
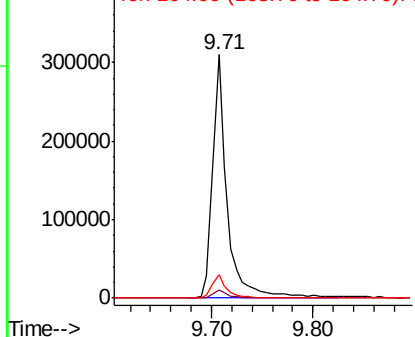


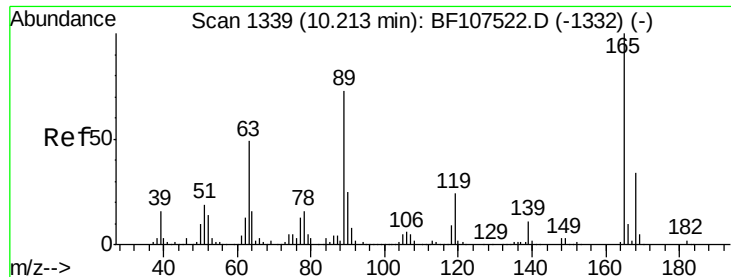
#49
Dimethylphthalate
Concen: 11.857 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion:163 Resp: 311082
Ion Ratio Lower Upper
163 100
194 3.5 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

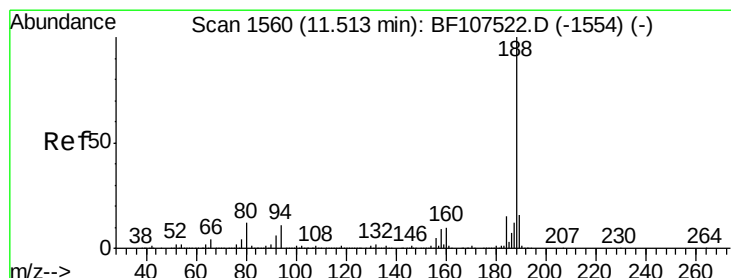
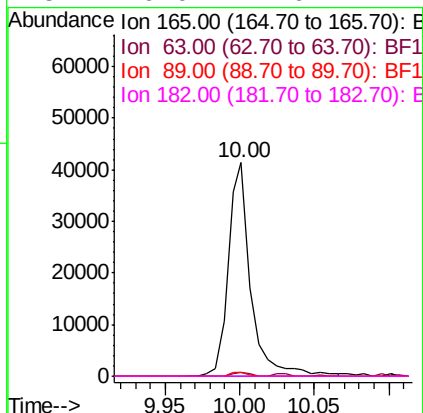
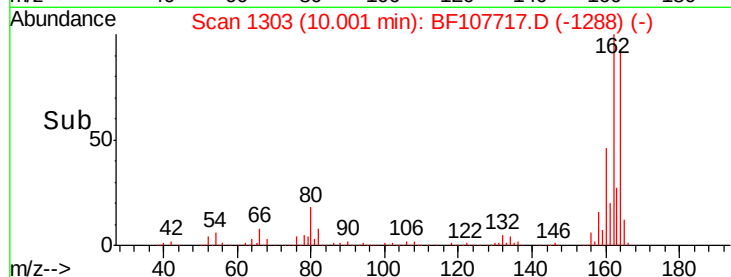
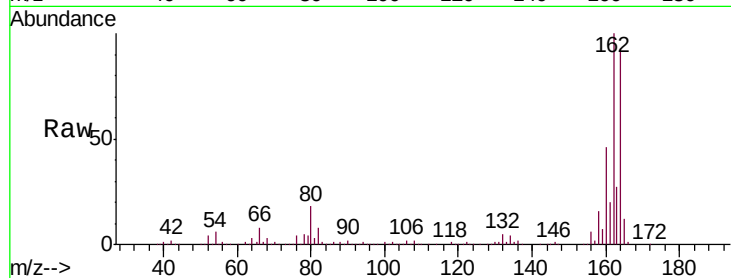




#56
 2,4-Dinitrotoluene
 Concen: 6.998 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF107717.D
 Acq: 26 Jul 2018 23:10

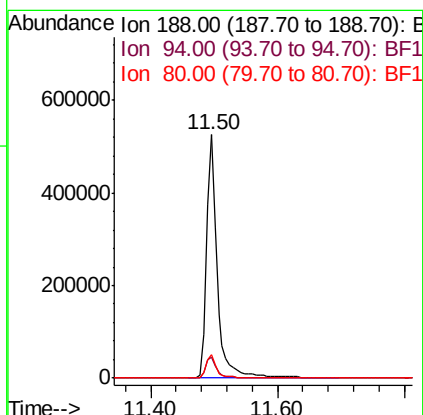
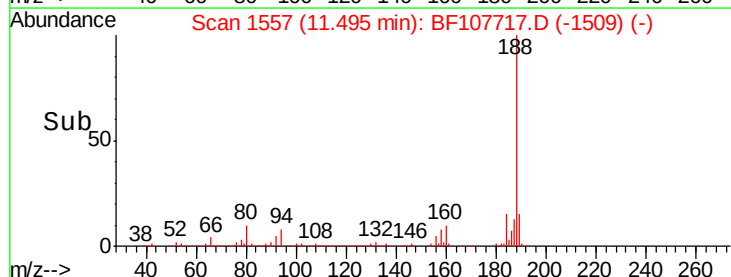
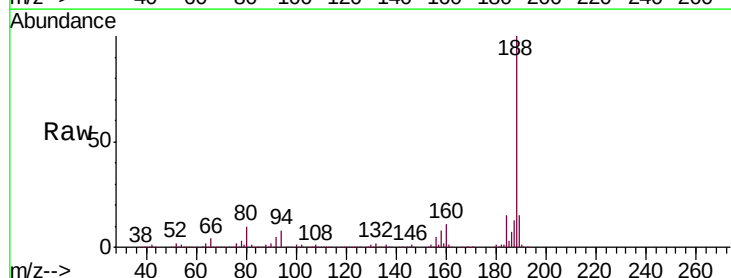
Instrument :
 BNA_F
 ClientSampleId :
 SB-10(10-12)

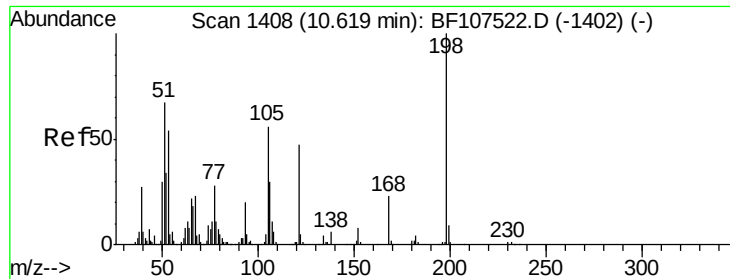
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107717.D
 Acq: 26 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.7	9.2	13.8

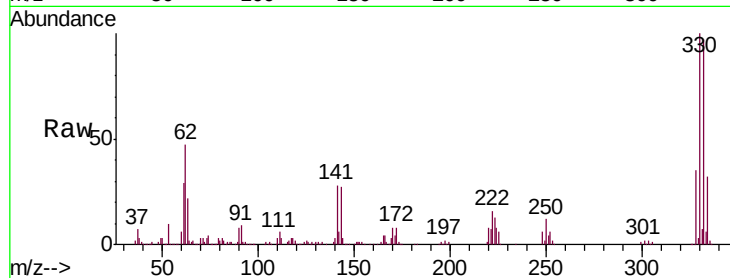




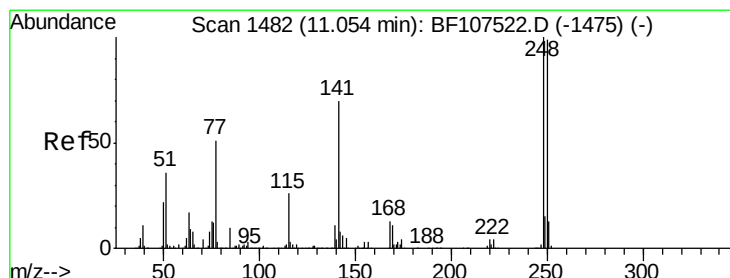
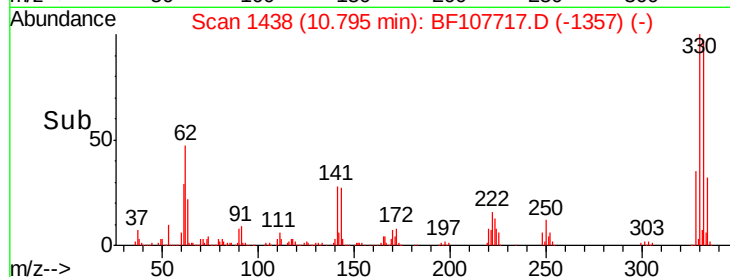
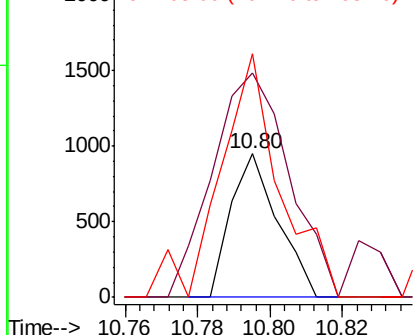
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.916 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF107717.D
 Acq: 26 Jul 2018 23:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(10-12)

Tgt Ion:198 Resp: 855
 Ion Ratio Lower Upper
 198 100
 51 157.0 37.7 77.7#
 105 169.8 36.3 76.3#

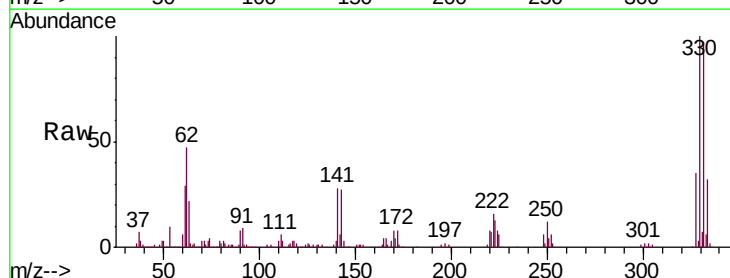


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

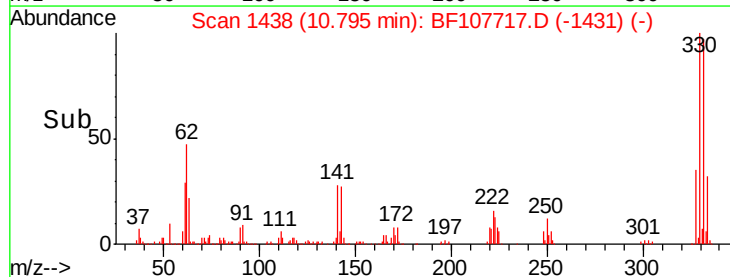
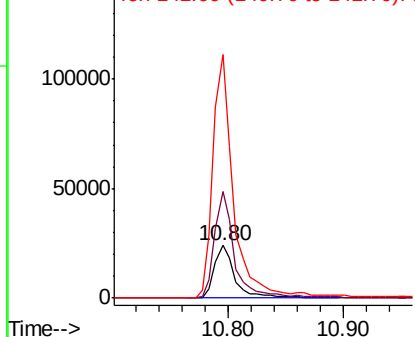


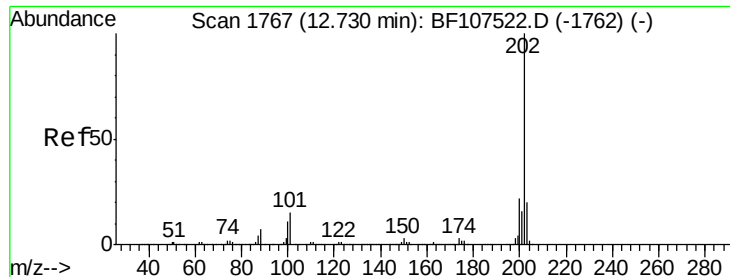
#66
 4-Bromophenyl-phenylether
 Concen: 4.152 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.26 min
 Lab File: BF107717.D
 Acq: 26 Jul 2018 23:10

Tgt Ion:248 Resp: 30093
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.9 115.3#
 141 461.9 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: 3.537 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

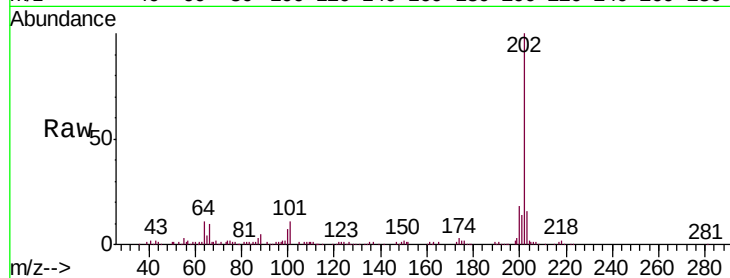
Instrument :

BNA_F

ClientSampleId :

SB-10(10-12)

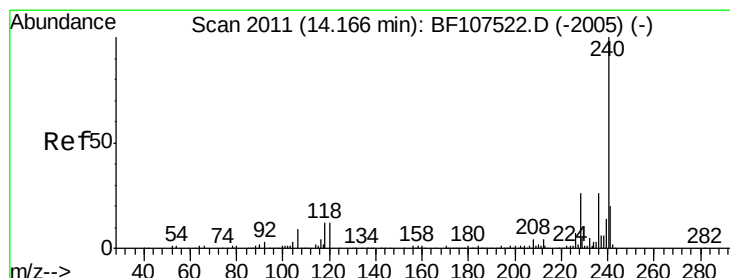
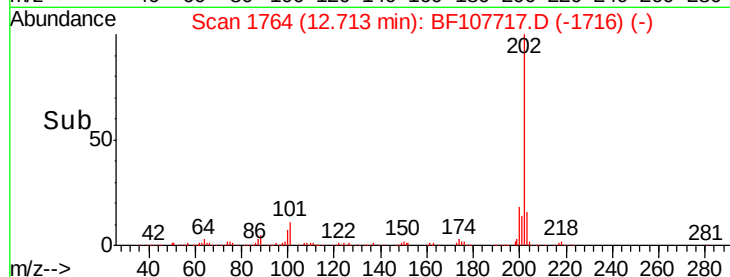
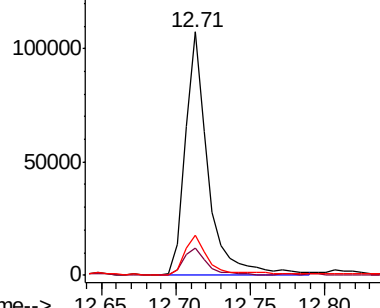
Tgt Ion:	202	Resp:	113875
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	16.3	0.0	38.1



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

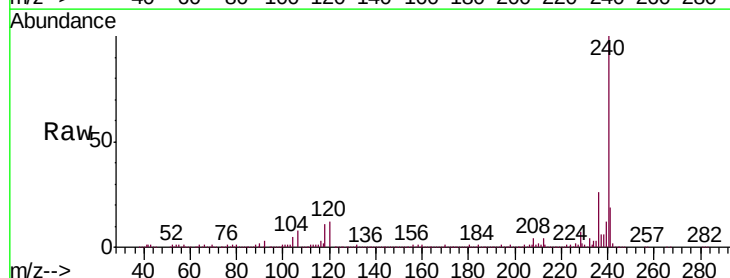
RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

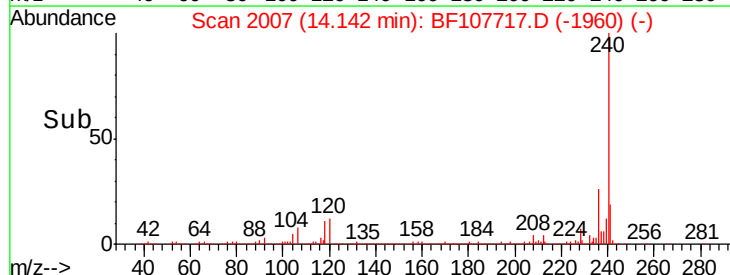
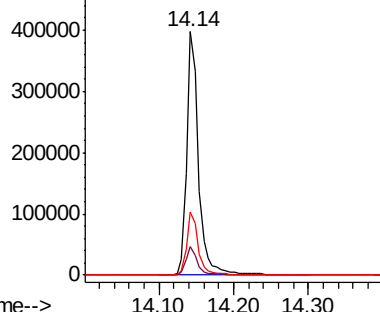
Tgt Ion:	240	Resp:	432369
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	25.9	20.7	31.1

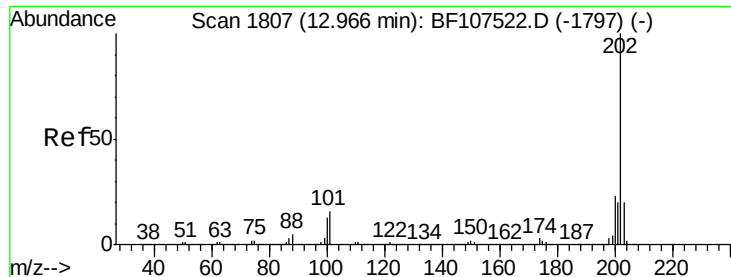


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.557 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

Instrument :

BNA_F

ClientSampleId :

SB-10(10-12)

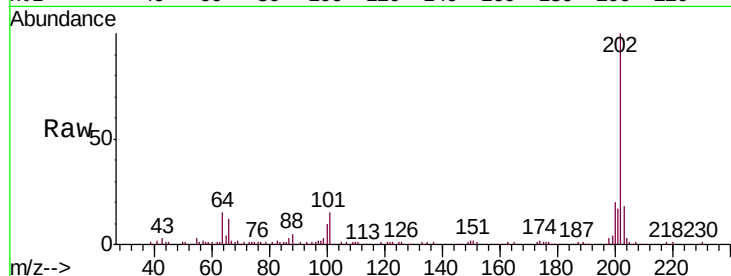
Tgt Ion:202 Resp: 105203

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

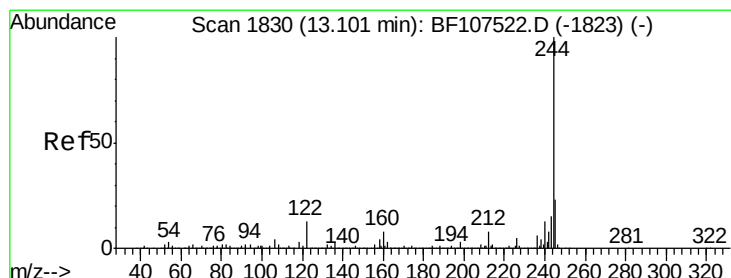
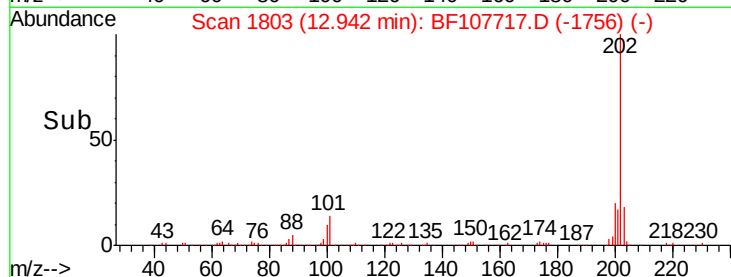
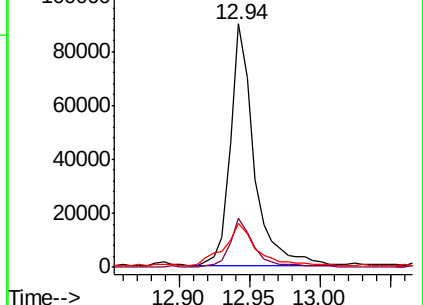
203 18.0 14.3 21.5



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: 80.301 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107717.D

Acq: 26 Jul 2018 23:10

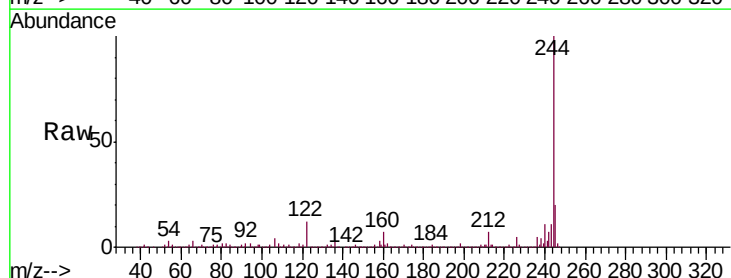
Tgt Ion:244 Resp: 1356191

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

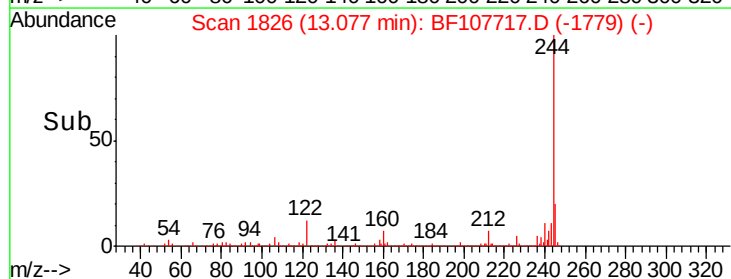
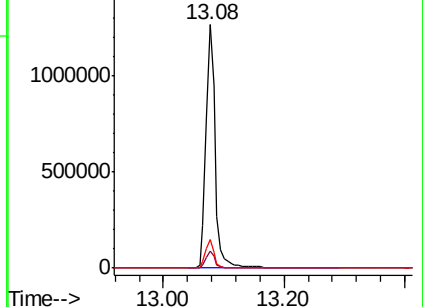
122 11.6 11.0 16.4

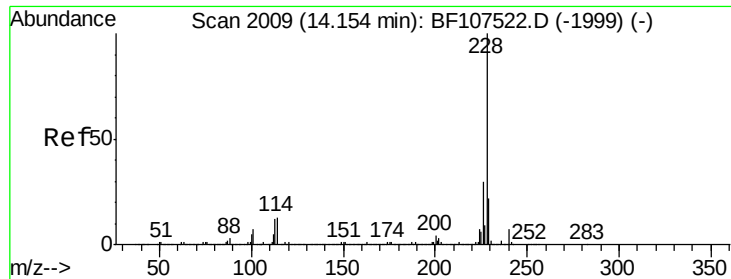


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

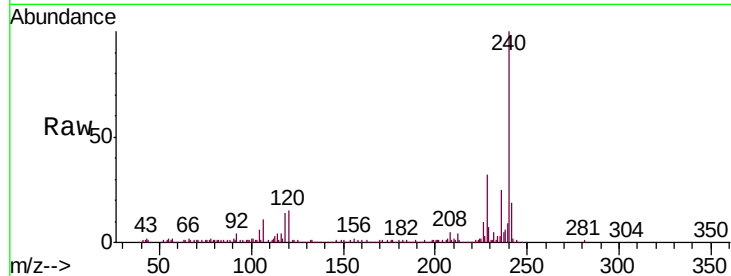




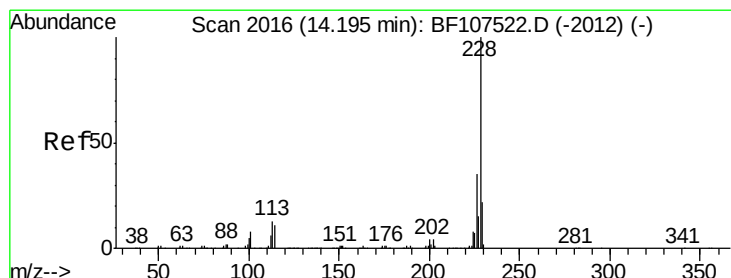
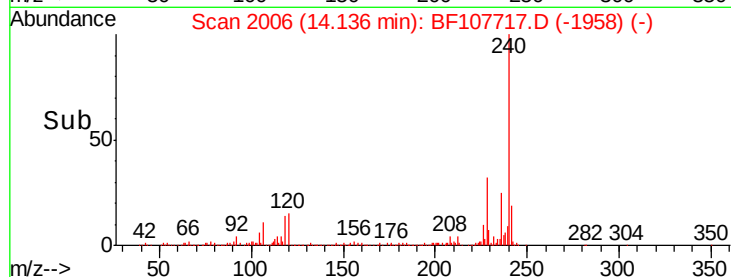
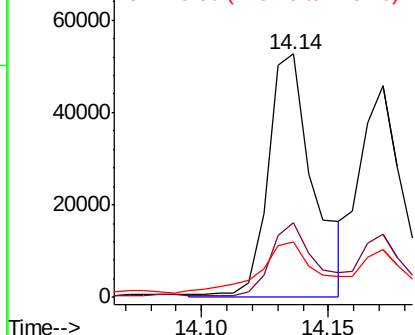
#80
Benzo(a)anthracene
Concen: 2.582 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
BNA_F
ClientSampleId :
SB-10(10-12)

Tgt Ion:228 Resp: 65424
Ion Ratio Lower Upper
228 100
226 30.8 22.6 33.8
229 22.8 15.8 23.6

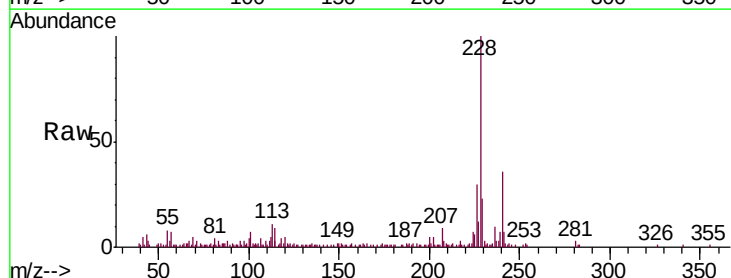


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

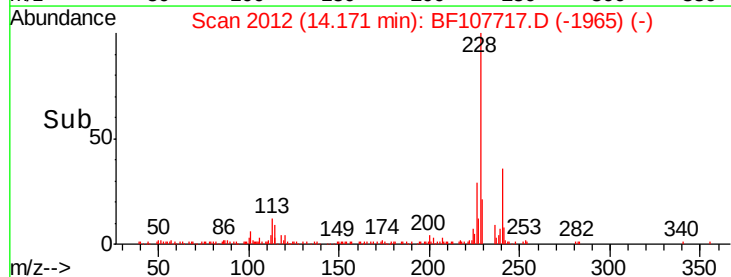
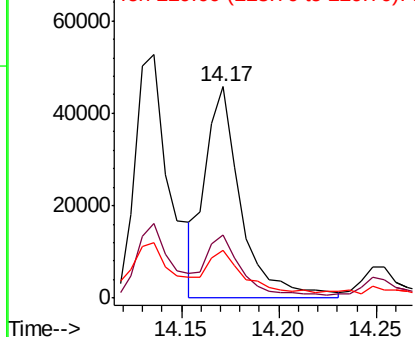


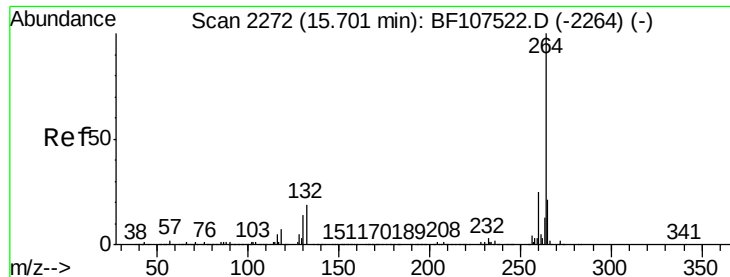
#82
Chrysene
Concen: 2.382 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion:228 Resp: 57982
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 22.7 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



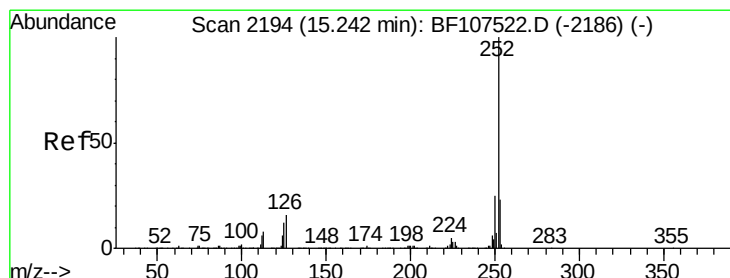
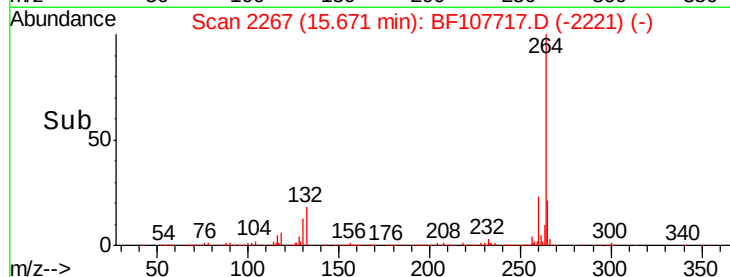
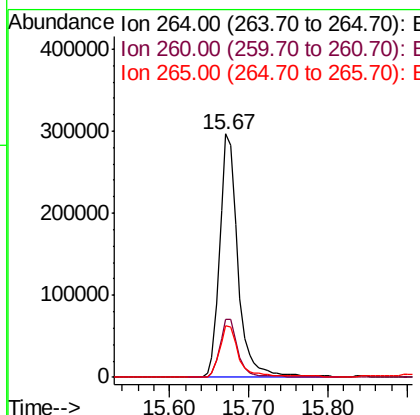
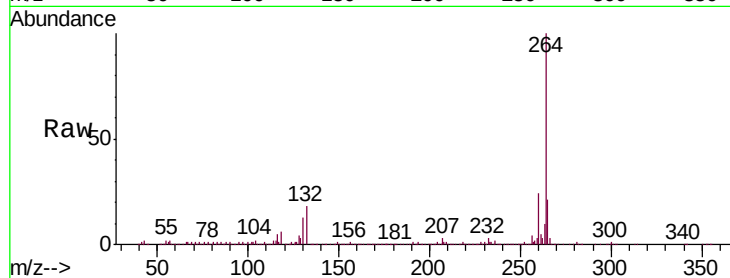


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.03 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
BNA_F
ClientSampleId :
SB-10(10-12)

Tgt Ion: 264 Resp: 475537

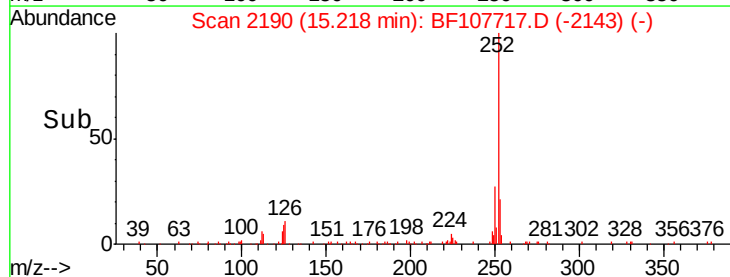
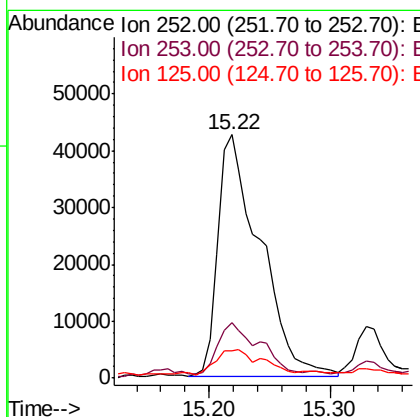
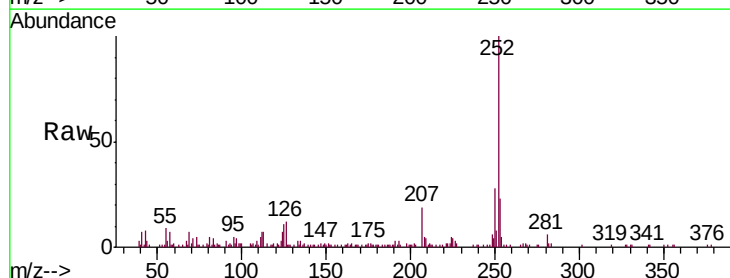
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3

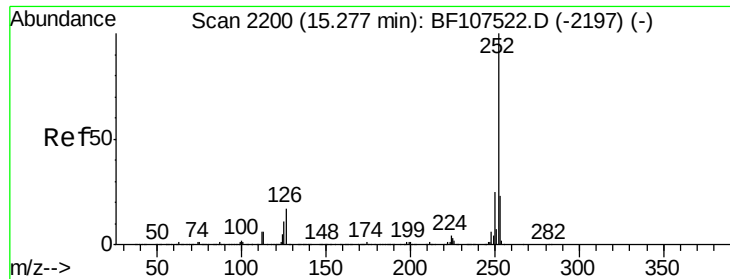


#87
Benzo(b)fluoranthene
Concen: 3.941 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion: 252 Resp: 102564

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	11.0	9.0	13.6

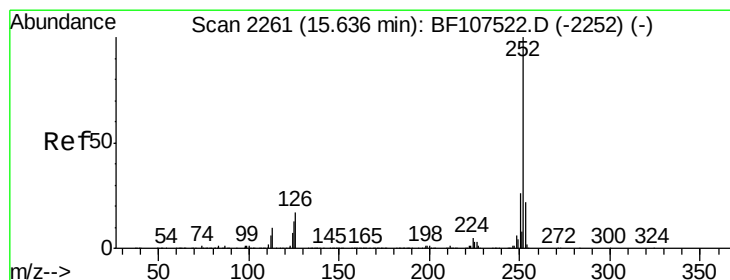
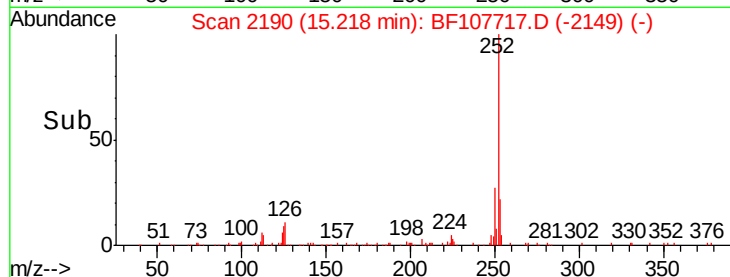
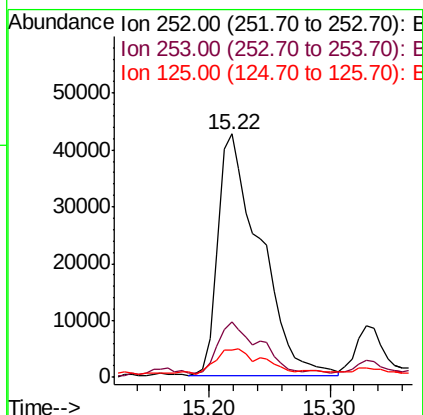
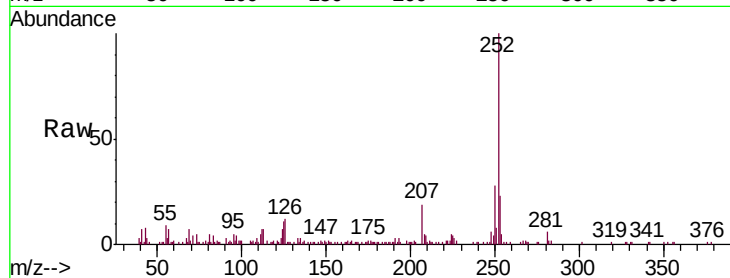




#88
Benzo(k)fluoranthene
Concen: 4.022 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.06 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Instrument :
BNA_F
ClientSampleId :
SB-10(10-12)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.0	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.596 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.03 min
Lab File: BF107717.D
Acq: 26 Jul 2018 23:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	12.5	9.8	14.6

