

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
 Data File : BF107610.D
 Acq On : 24 Jul 2018 9:12
 Operator : JU/SJ
 Sample : J4103-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 10:45:25 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	6.98	152	224103	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	804138	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	302025	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	597245	20.00	ng	0.00
75) Chrysene-d12	14.17	240	506029	20.00	ng	0.00
86) Perylene-d12	15.71	264	378389	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	867905	62.27	ng	0.00
7) Phenol-d6	6.61	99	1101527	65.82	ng	0.00
23) Nitrobenzene-d5	7.54	82	660518	55.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	244253	71.12	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1201333	63.37	ng	0.00
78) Terphenyl-d14	13.10	244	1250541	63.27	ng	0.00

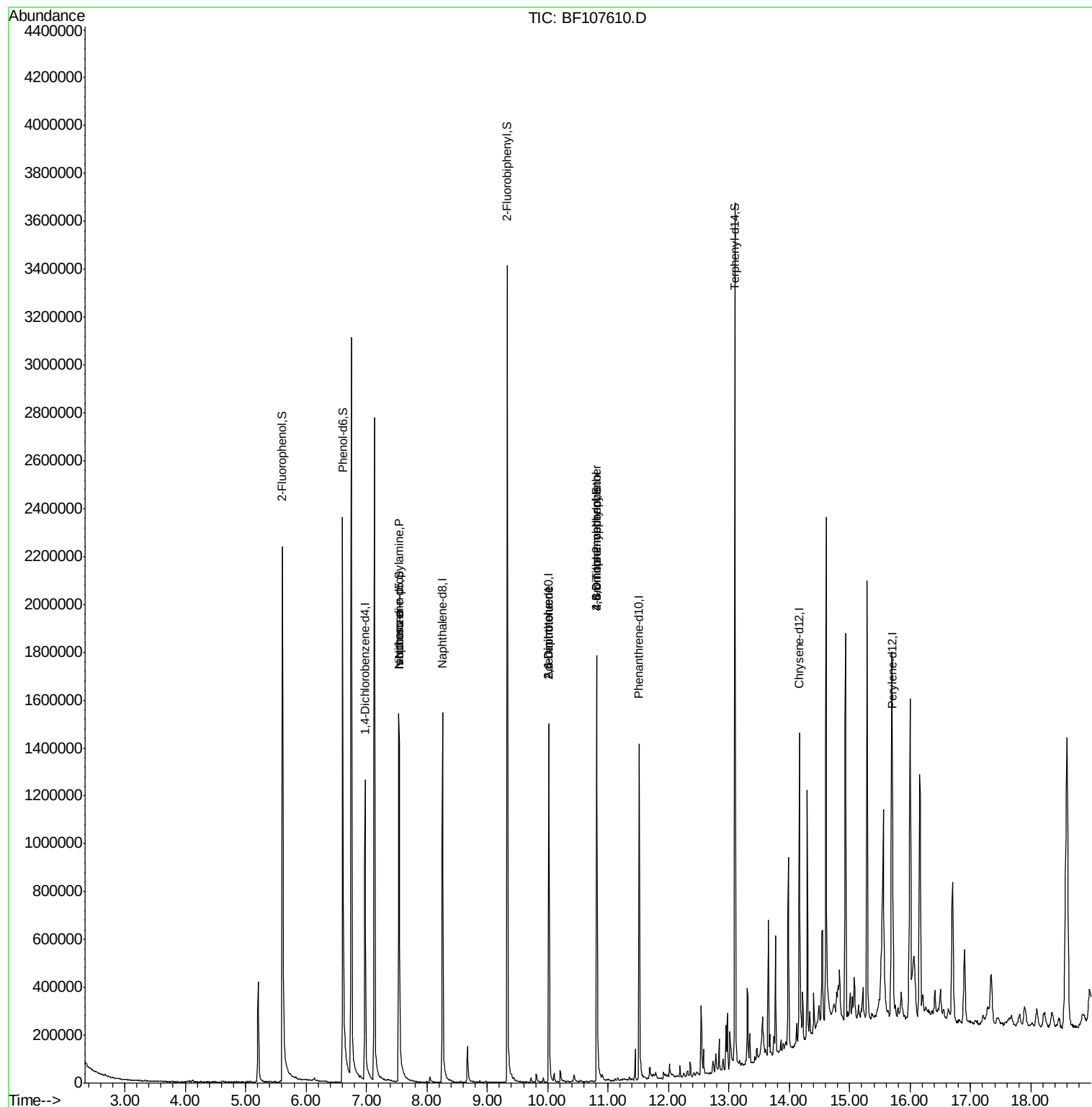
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.75	77	18625	Below Cal		88
19) n-Nitroso-di-n-propylamine	7.54	70	85359	7.895 ng	#	81
25) Isophorone	7.54	82	660515	25.962 ng	#	64
50) 2,6-Dinitrotoluene	10.02	165	38452	8.508 ng	#	26
56) 2,4-Dinitrotoluene	10.02	165	38558	7.068 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.81	198	198	8.737 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	14837	2.110 ng	#	1
73) Di-n-butylphthalate	12.06	149	8582	Below Cal	#	92
81) 3,3'-Dichlorobenzidine	14.11	252	109	Below Cal	#	1

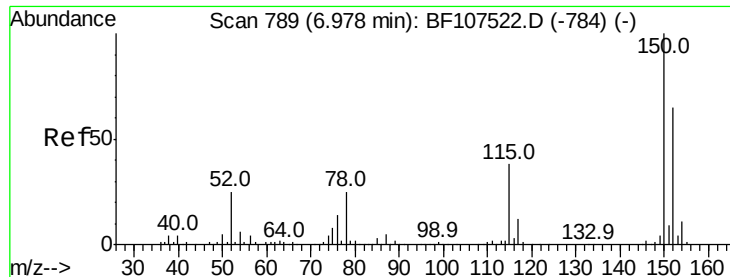
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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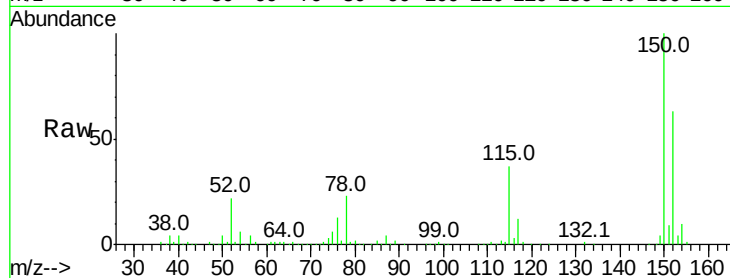


#1

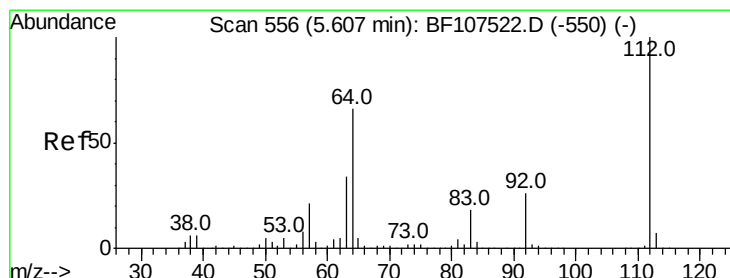
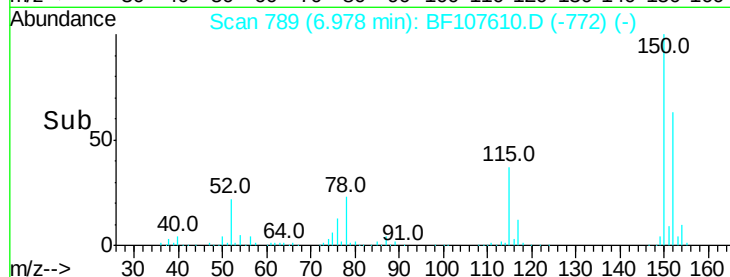
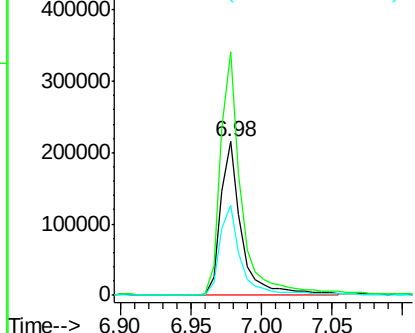
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	58.5	50.1	75.1



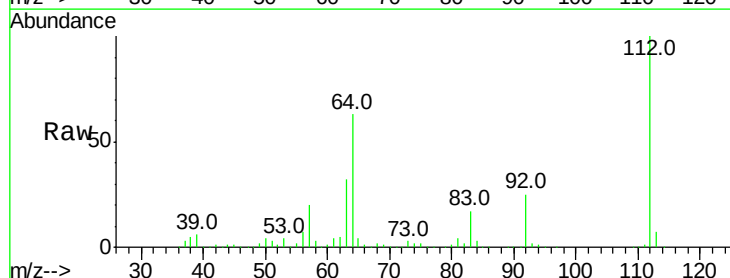
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



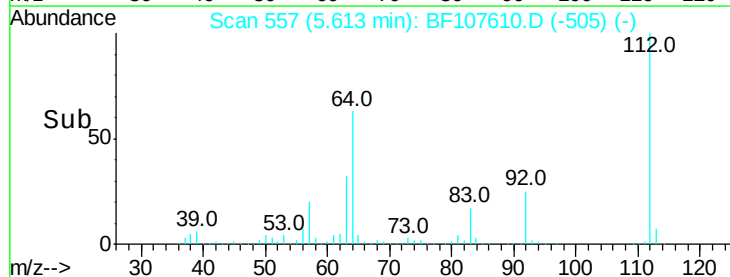
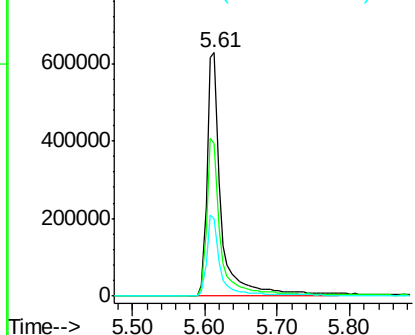
#5

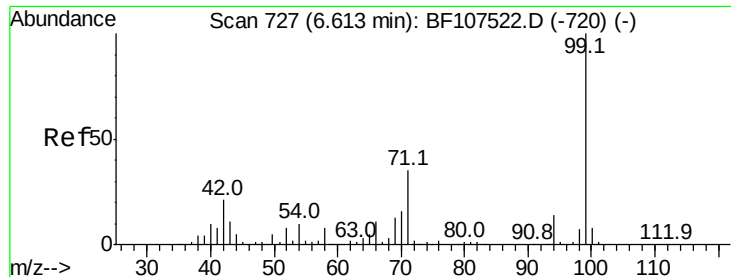
2-Fluorophenol
Concen: 62.267 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	31.8	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: 65.816 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

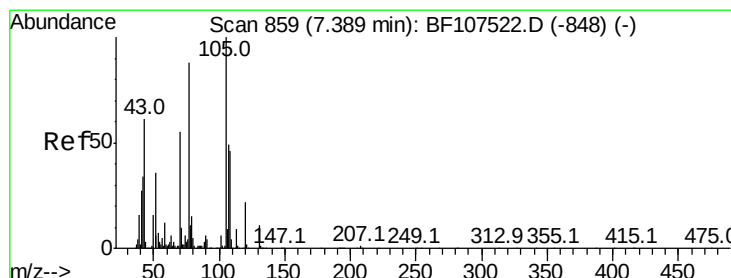
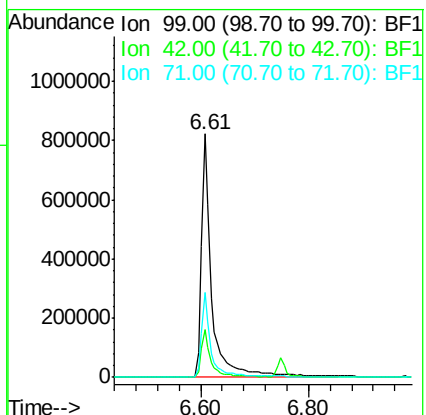
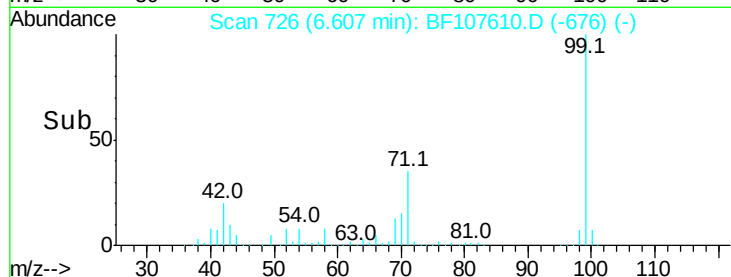
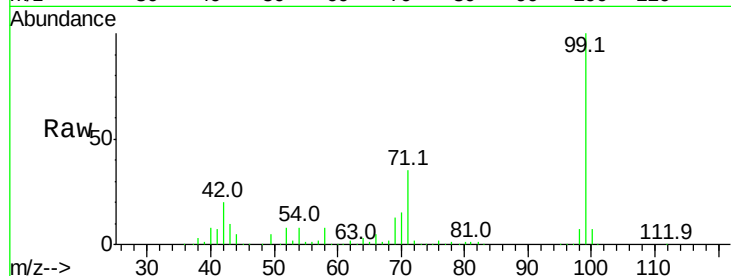
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1101527

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.5	21.7
71	34.6	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.895 ng

RT: 7.54 min Scan# 884

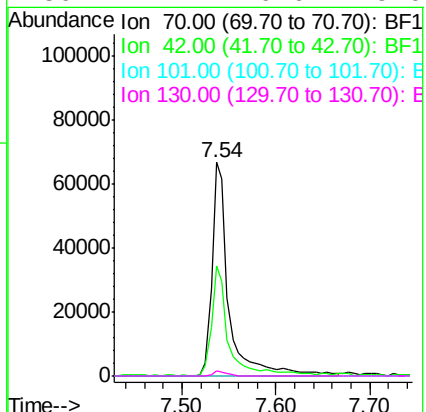
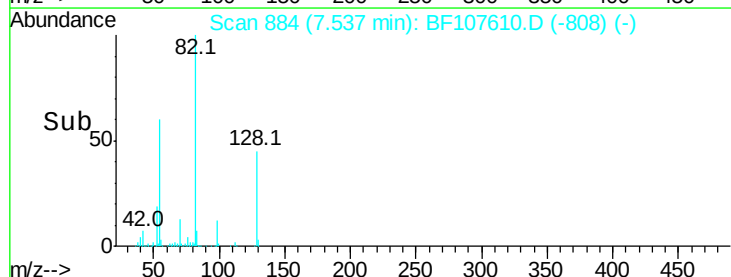
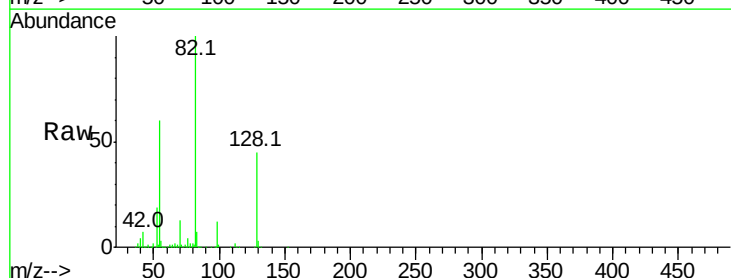
Delta R.T. 0.15 min

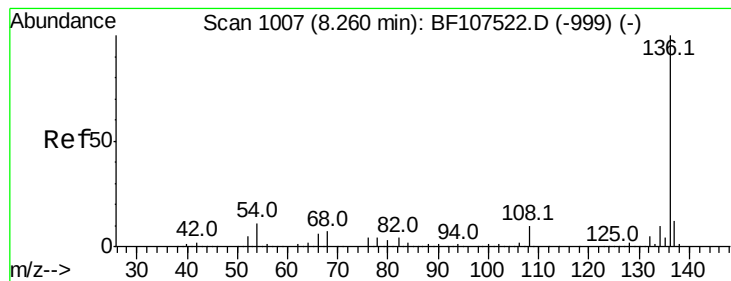
Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

Tgt Ion: 70 Resp: 85359

Ion	Ratio	Lower	Upper
70	100		
42	51.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 804138

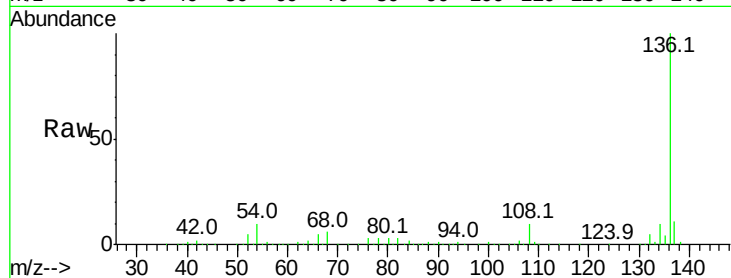
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.8 6.6 9.8

68 5.9 5.0 7.4

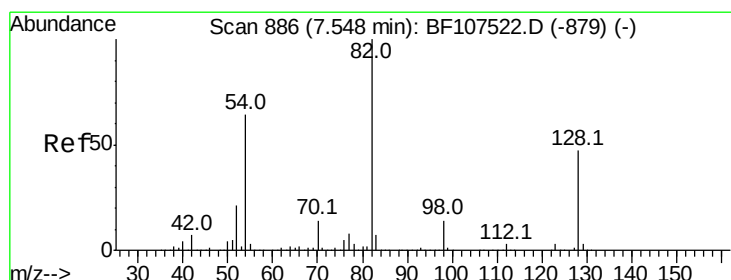
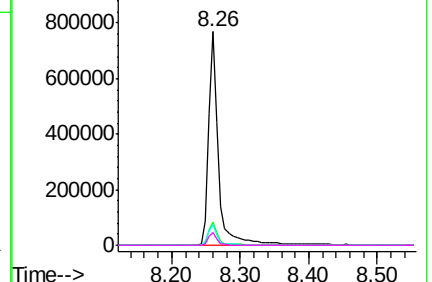
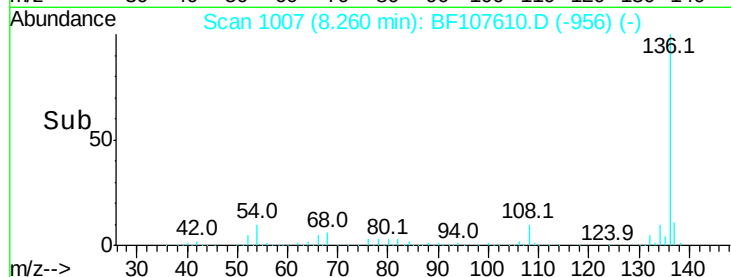


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.434 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

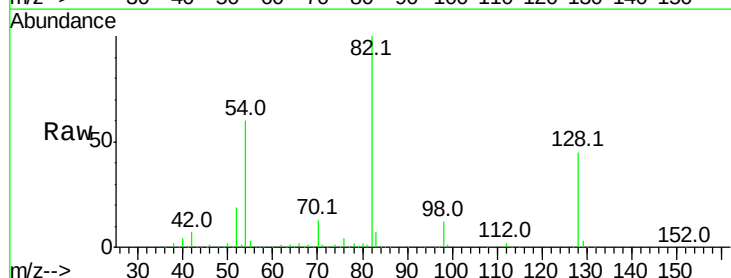
Tgt Ion: 82 Resp: 660518

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

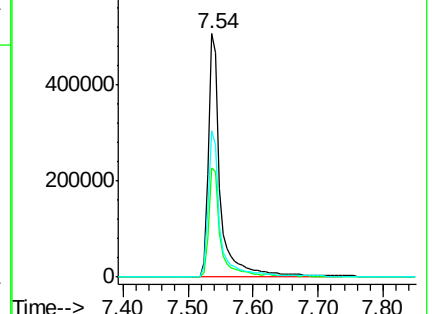
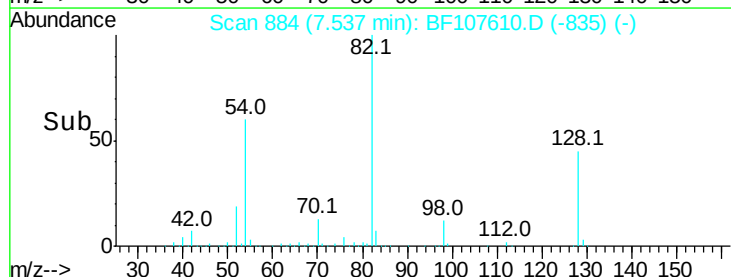
54 60.1 41.4 62.2

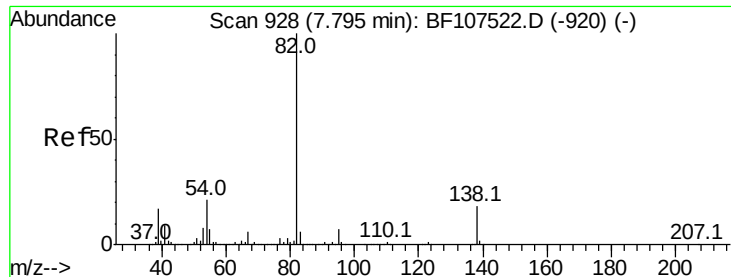


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 25.962 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

Instrument :

BNA_F

ClientSampleId :

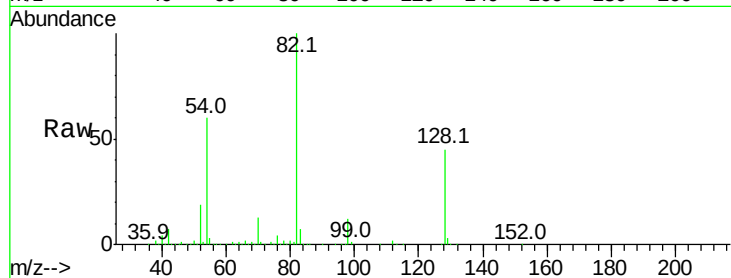
Tot Ion: 82 Resp: 660515

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

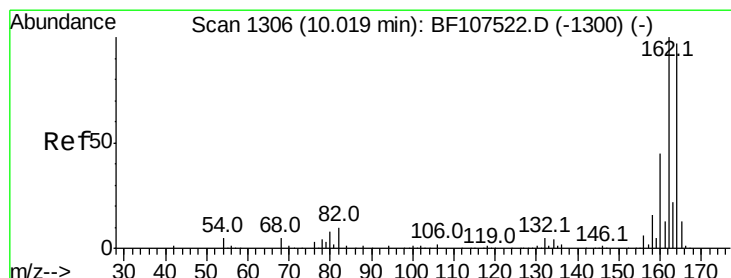
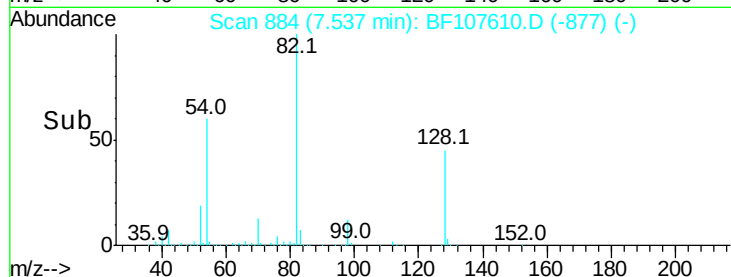
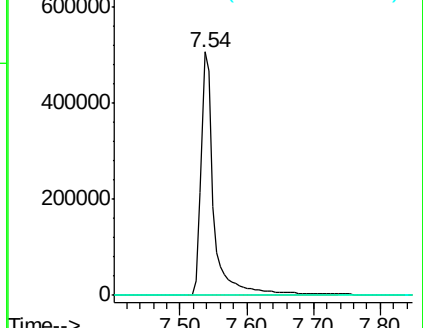
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

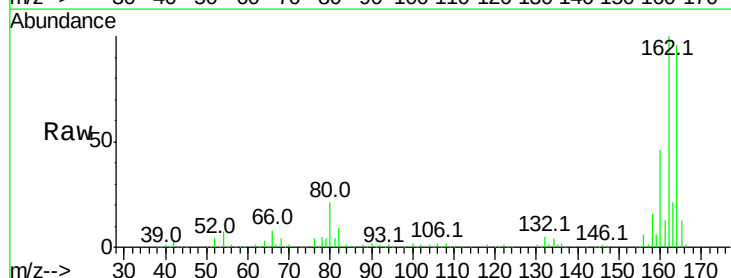
Tgt Ion:164 Resp: 302025

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

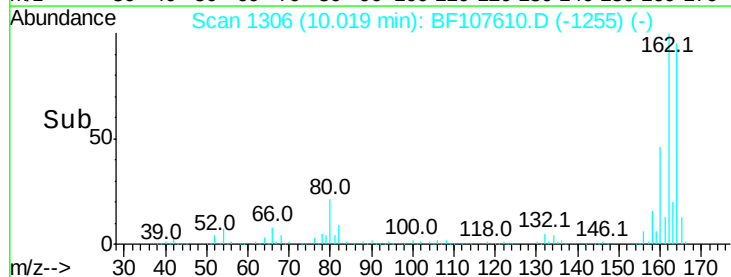
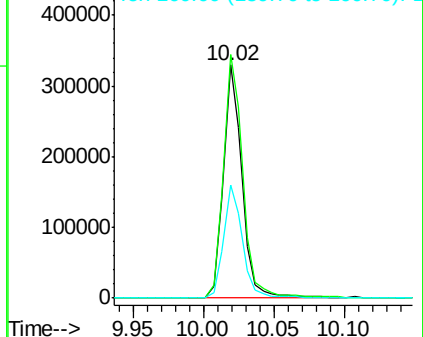
160 48.3 38.3 57.5

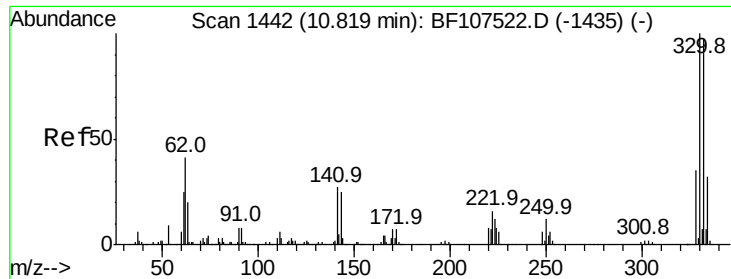


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

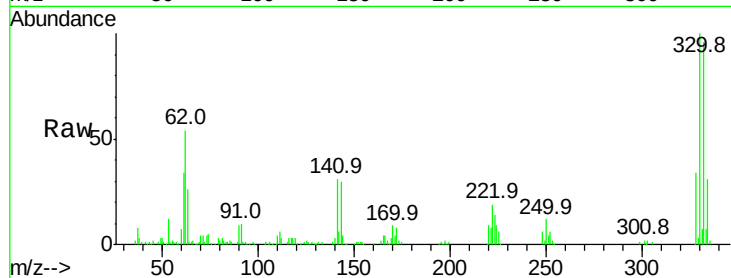




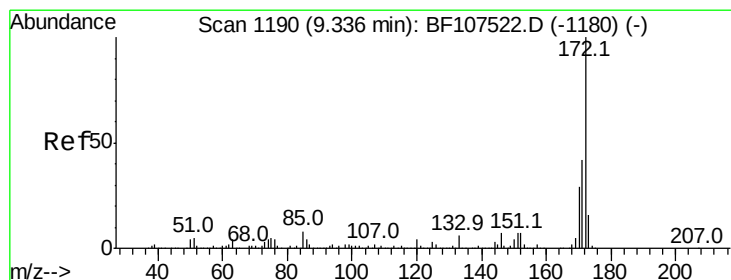
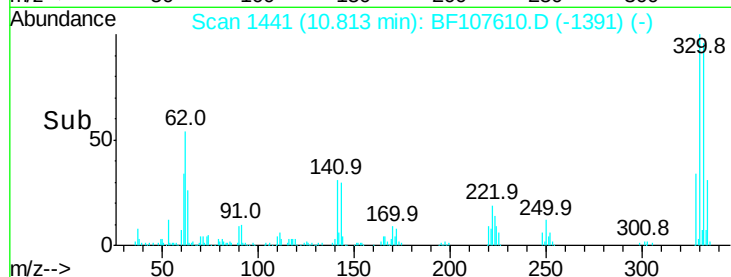
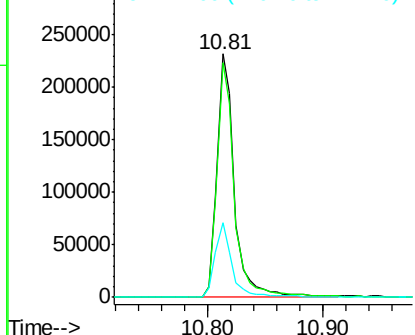
#41
 2,4,6-Tribromophenol
 Concen: 71.118 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF107610.D
 Acq: 24 Jul 2018 9:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 244253
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 30.0 29.9 44.9

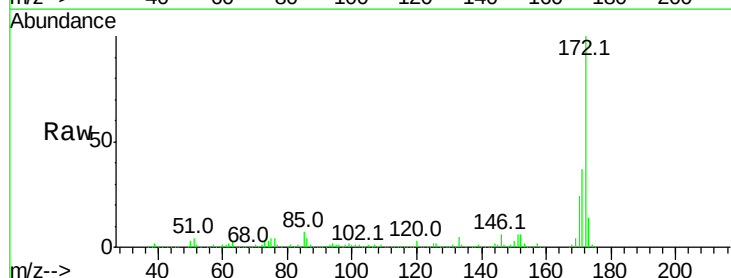


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

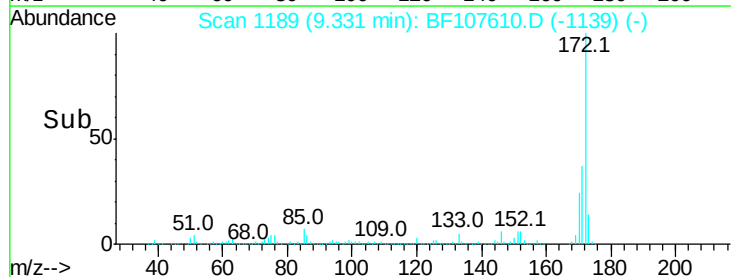
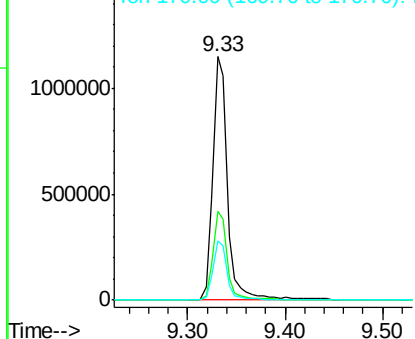


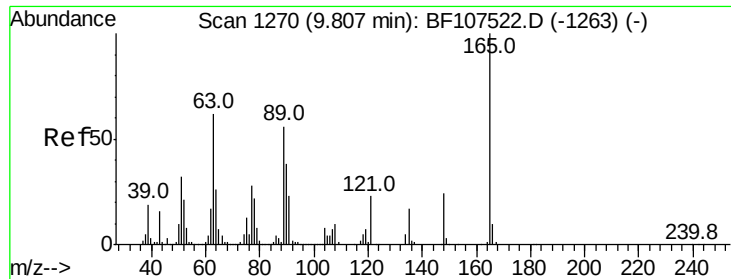
#44
 2-Fluorobiphenyl
 Concen: 63.369 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107610.D
 Acq: 24 Jul 2018 9:12

Tgt Ion:172 Resp: 1201333
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.3 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

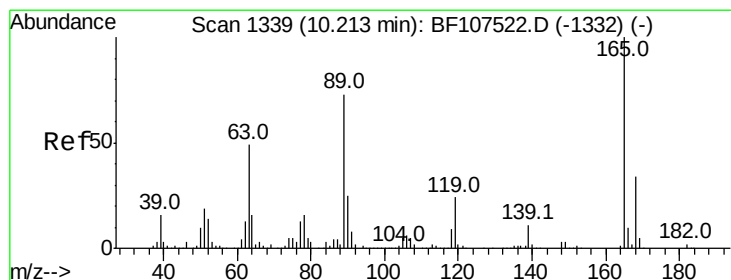
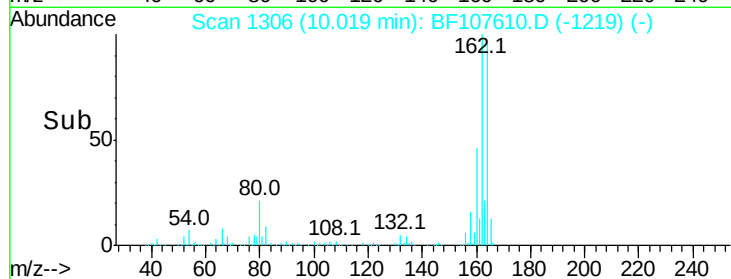
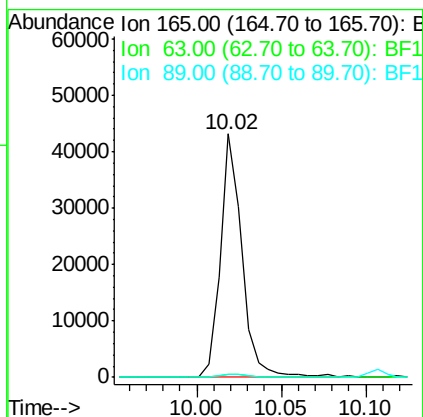
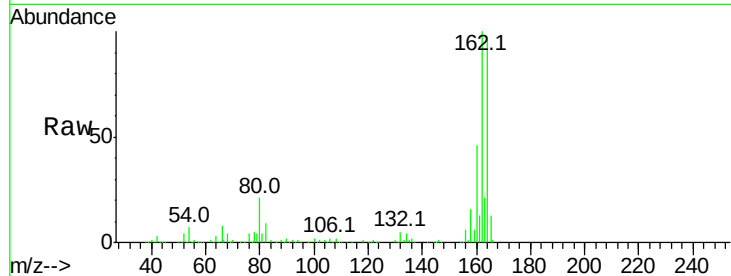




#50
 2,6-Dinitrotoluene
 Concen: 8.508 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. 0.21 min
 Lab File: BF107610.D
 Acq: 24 Jul 2018 9:12

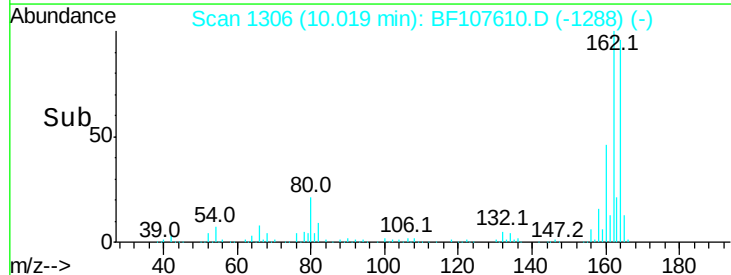
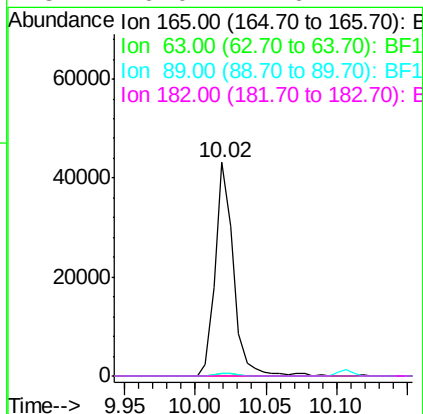
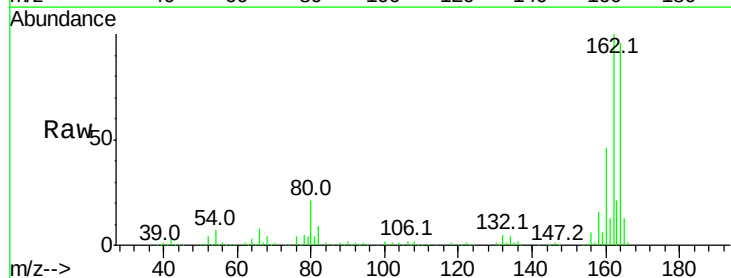
Instrument :
 BNA_F
 ClientSampleId :

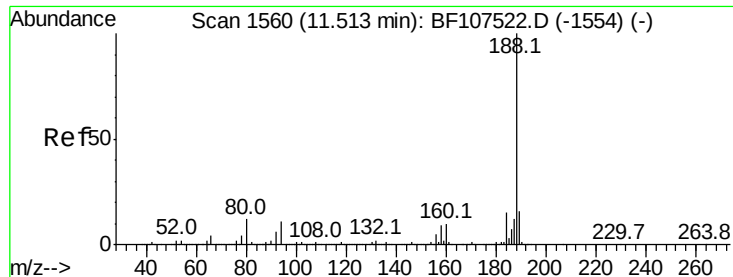
Tot Ion:165 Resp: 38452
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.4 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.068 ng
 RT: 10.02 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF107610.D
 Acq: 24 Jul 2018 9:12

Tgt Ion:165 Resp: 38558
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

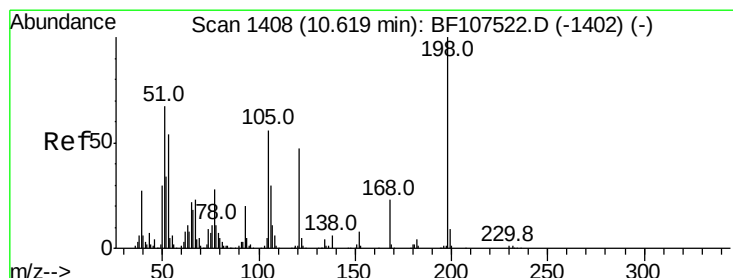
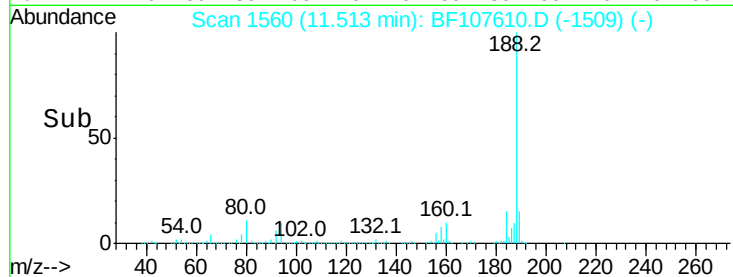
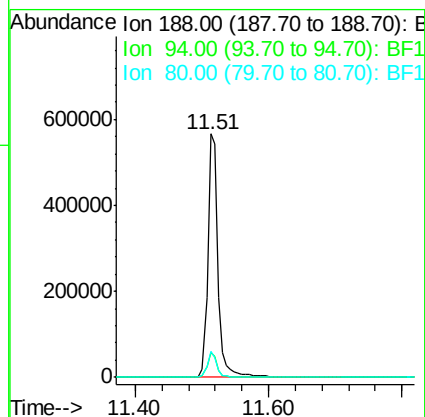
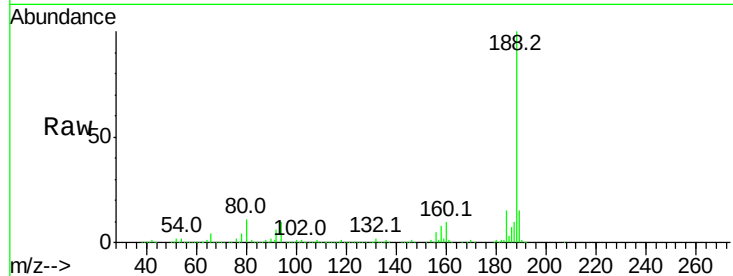




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

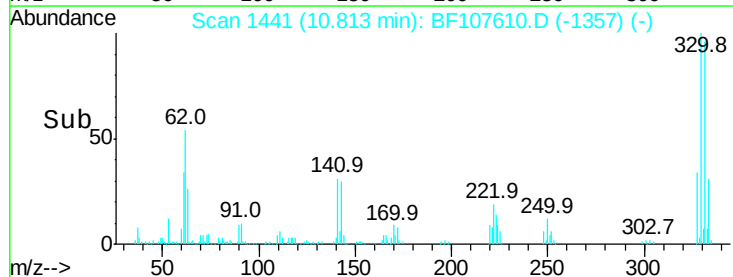
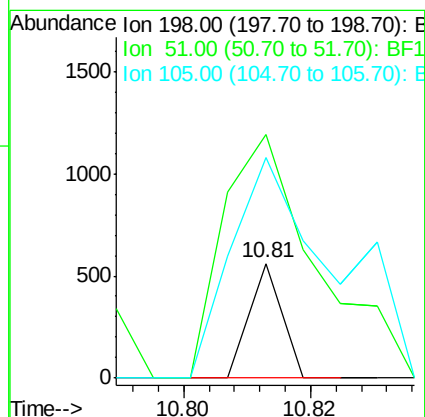
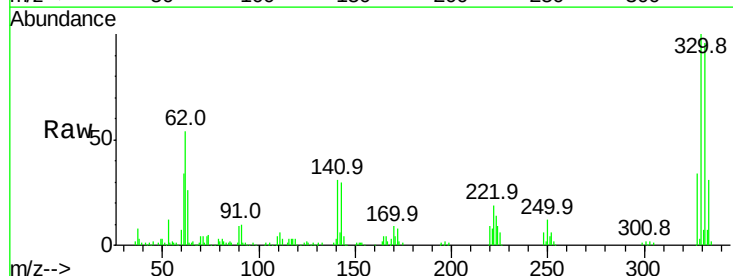
Instrument :
BNA_F
ClientSampleId :

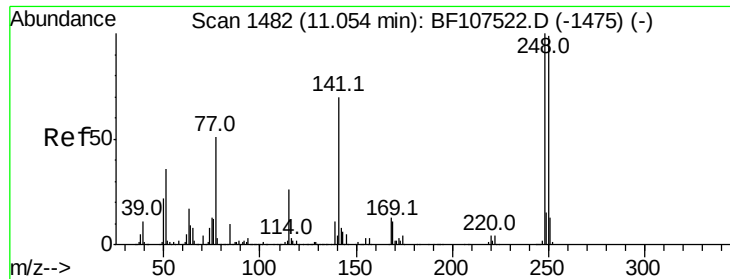
Tot Ion:188 Resp: 597245
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.737 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.19 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

Tgt Ion:198 Resp: 198
Ion Ratio Lower Upper
198 100
51 212.1 37.7 77.7#
105 191.6 36.3 76.3#

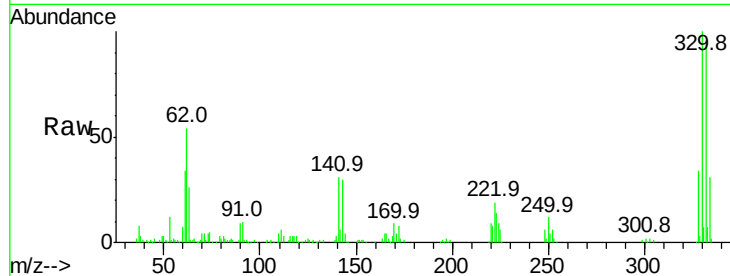




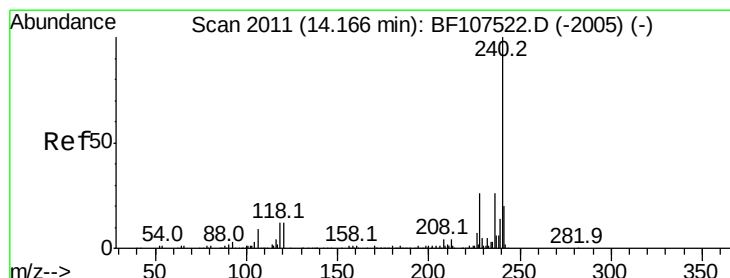
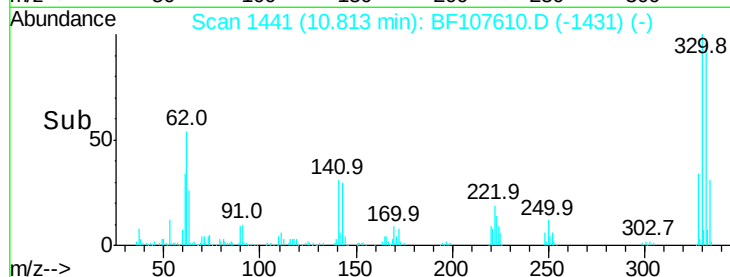
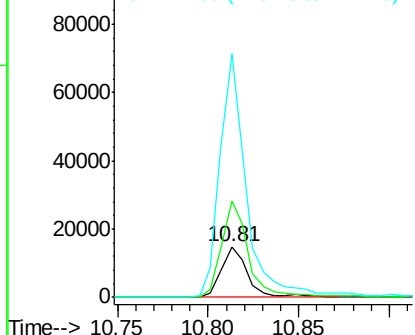
#66
4-Bromophenyl-phenylether
Concen: 2.110 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.24 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 14837
Ion Ratio Lower Upper
248 100
250 190.4 76.9 115.3#
141 479.1 74.4 111.6#

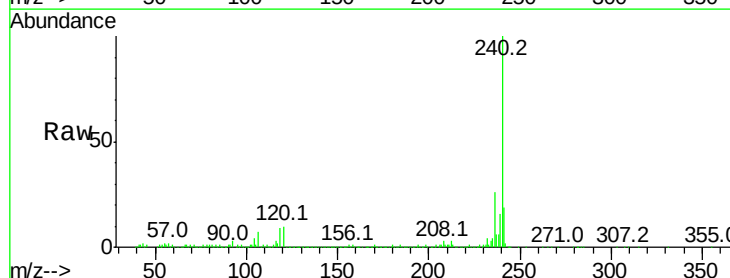


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

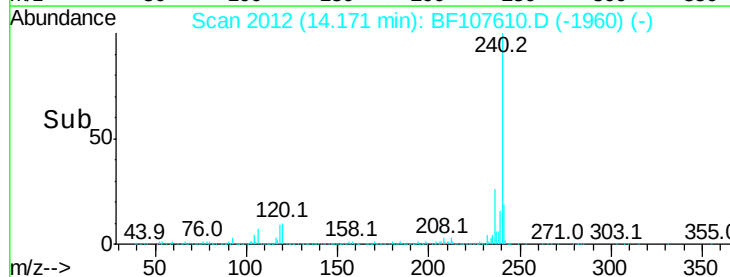
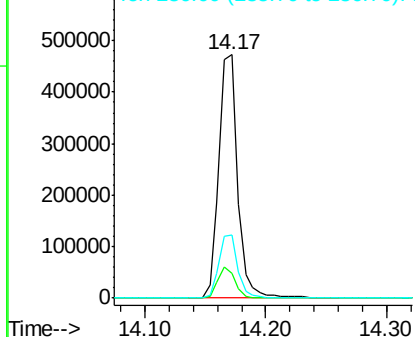


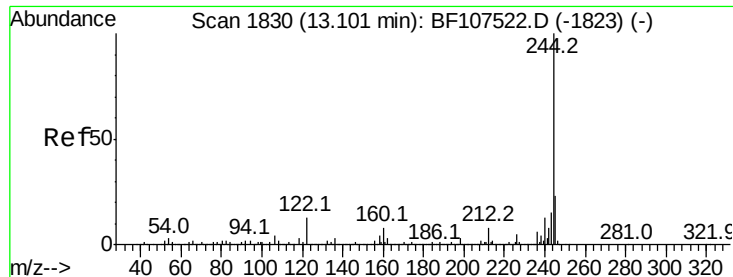
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF107610.D
Acq: 24 Jul 2018 9:12

Tgt Ion:240 Resp: 506029
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 26.0 20.7 31.1



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





#78

Terphenyl-d14

Concen: 63.267 ng

RT: 13.10 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

Instrument :

BNA_F

ClientSampleId :

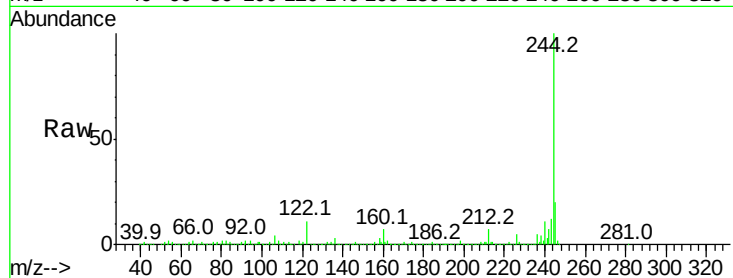
Tot Ion:244 Resp: 1250541

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.4	11.0	16.4

244 100

212 6.9 5.4 8.0

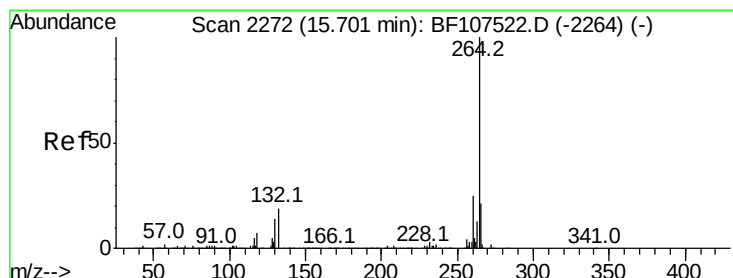
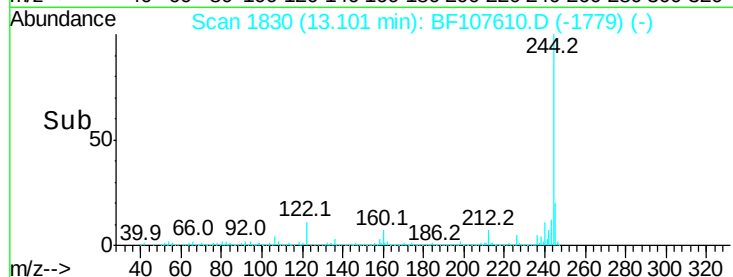
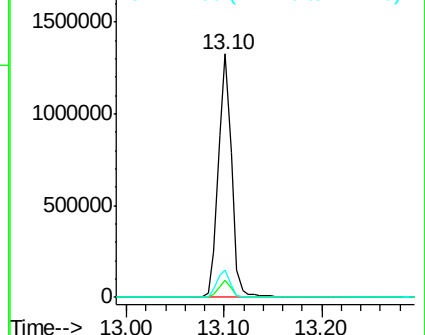
122 11.4 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF107610.D

Acq: 24 Jul 2018 9:12

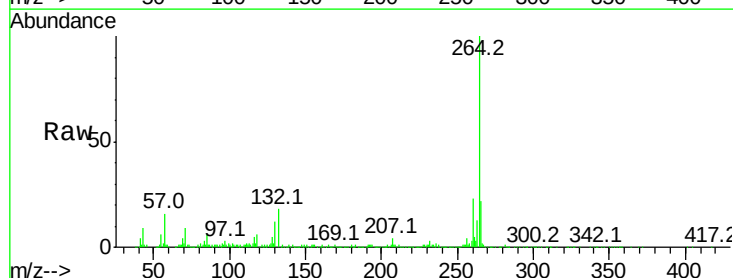
Tgt Ion:264 Resp: 378389

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3

264 100

260 23.4 19.2 28.8

265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

