

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\
 Data File : BF107645.D
 Acq On : 25 Jul 2018 4:53
 Operator : JU/SJ
 Sample : J4120-06
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 07:50:38 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	236551	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	862484	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	335495	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	569978	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	436659	20.00	ng	-0.02
86) Perylene-d12	15.68	264	355916	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1272318	86.48	ng	0.00
7) Phenol-d6	6.60	99	1557236	88.15	ng	-0.01
23) Nitrobenzene-d5	7.53	82	962197	75.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	326452	85.57	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1598336	80.38	ng	-0.01
78) Terphenyl-d14	13.08	244	1248438	73.19	ng	-0.02

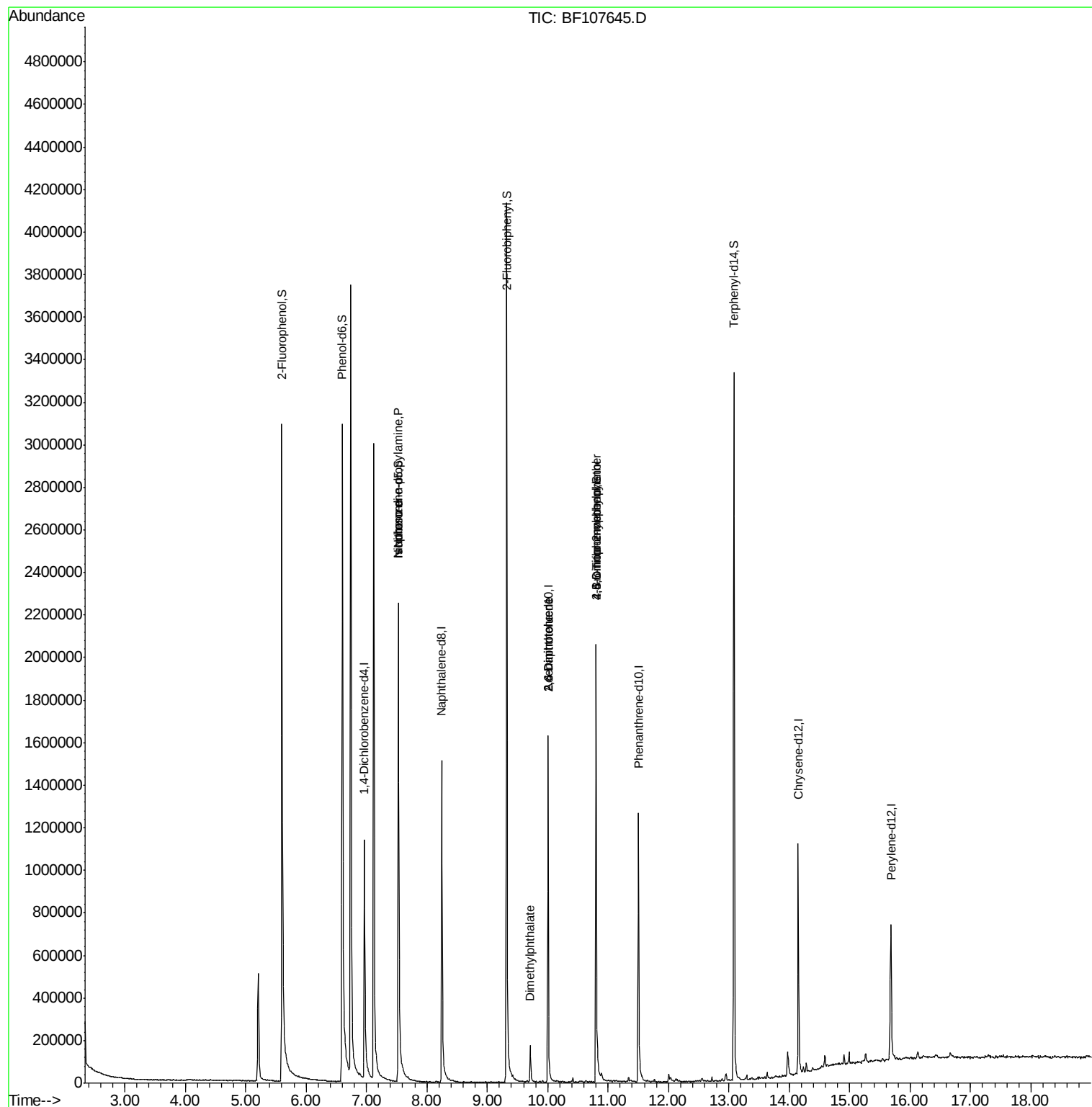
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2482	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.53	70	120969	10.600	ng	# 79
25) Isophorone	7.53	82	962192	35.262	ng	# 64
49) Dimethylphthalate	9.71	163	79853	3.158	ng	100
50) 2,6-Dinitrotoluene	10.01	165	40949	8.157	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	41097	6.782	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	482	8.824	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	19183	2.859	ng	# 1
73) Di-n-butylphthalate	12.04	149	3349	Below Cal	#	89
81) 3,3'-Dichlorobenzidine	14.11	252	269	Below Cal	#	27

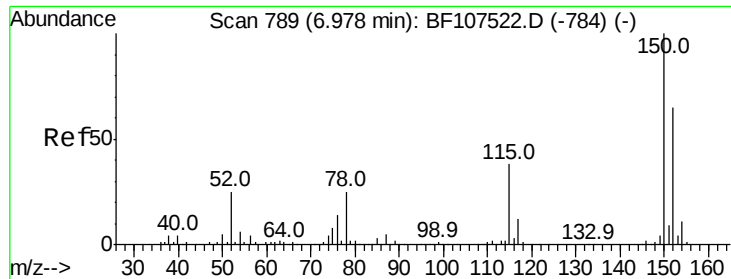
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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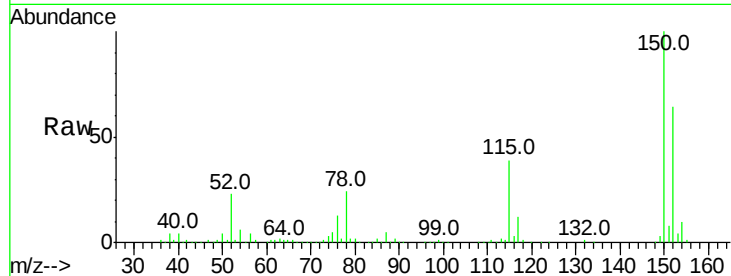


#1

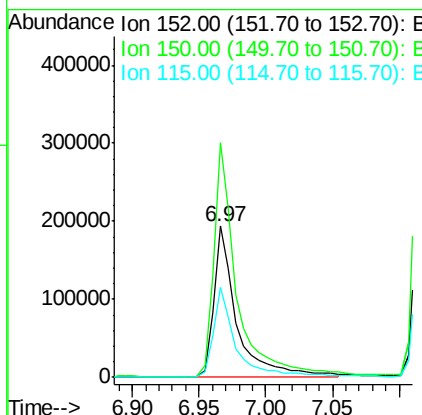
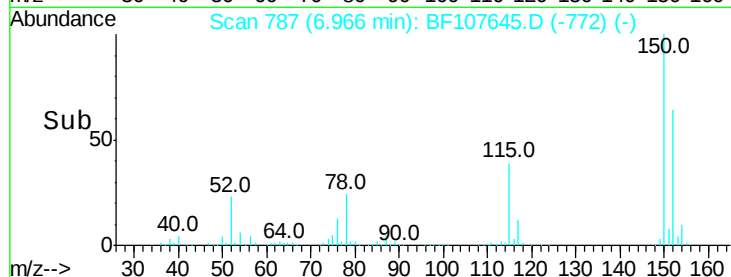
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107645.D
Acq: 25 Jul 2018 4:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 236551
Ion Ratio Lower Upper
152 100
150 155.3 124.6 186.8
115 59.8 50.1 75.1



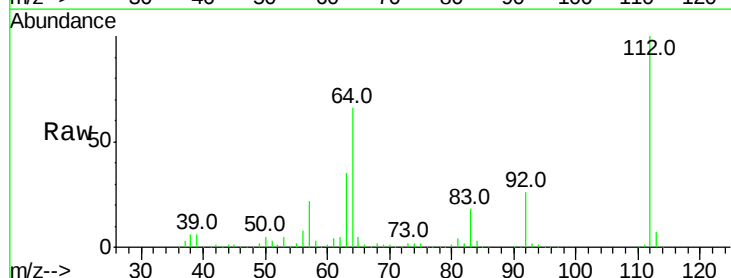
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



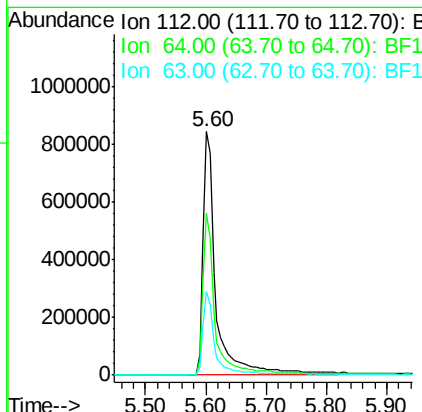
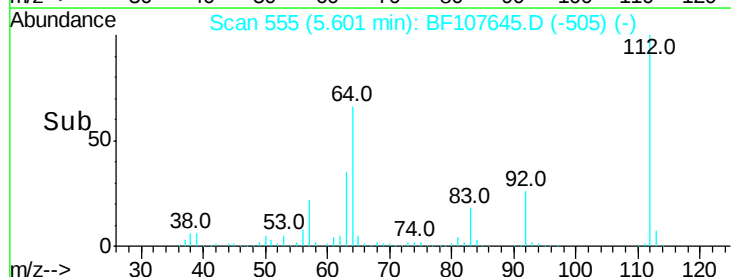
#5

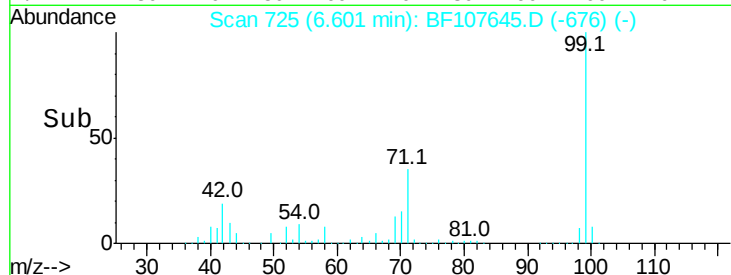
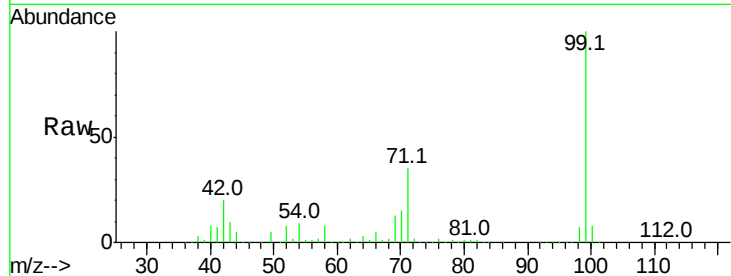
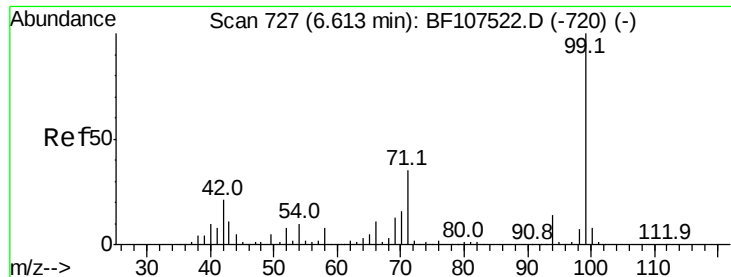
2-Fluorophenol
Concen: 86.478 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107645.D
Acq: 25 Jul 2018 4:53

Tgt Ion:112 Resp: 1272318
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 34.5 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: 88.149 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

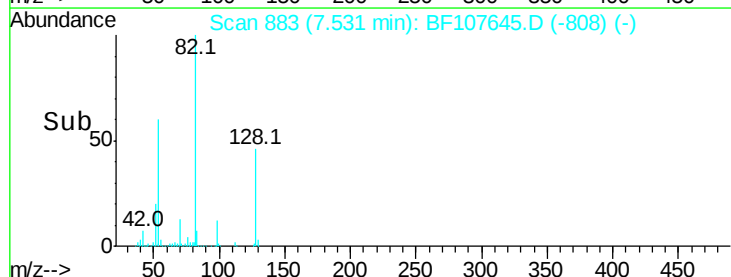
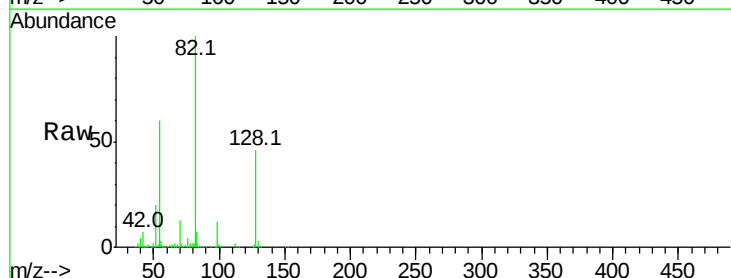
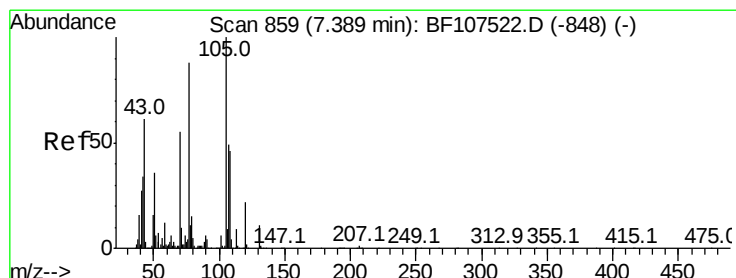
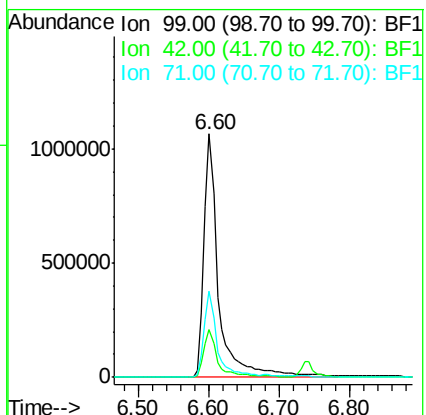
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1557236

Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	35.2	25.4	38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.600 ng

RT: 7.53 min Scan# 883

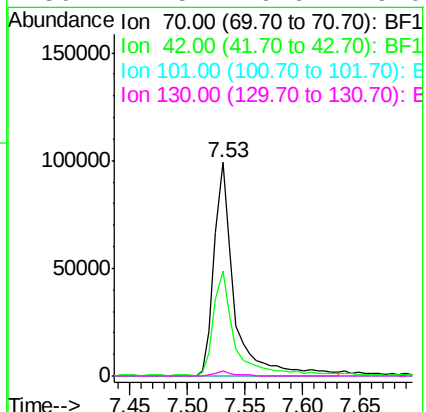
Delta R.T. 0.14 min

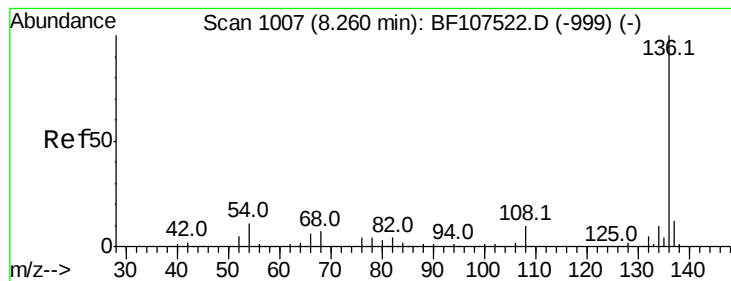
Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Tgt Ion: 70 Resp: 120969

Ion	Ratio	Lower	Upper
70	100		
42	49.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 862484

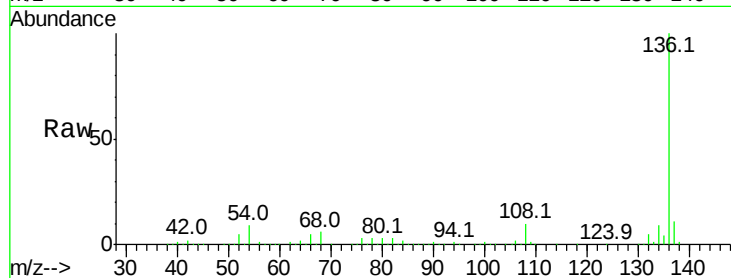
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.4 6.6 9.8

68 5.8 5.0 7.4

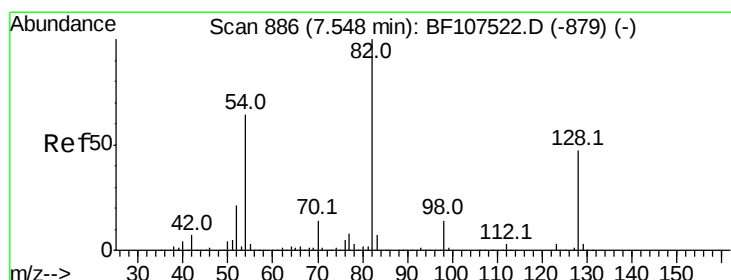
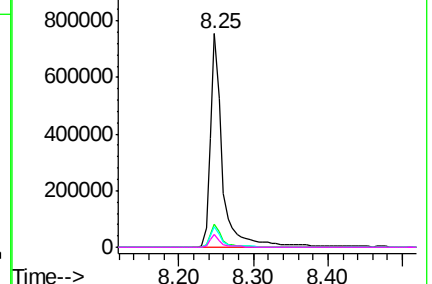
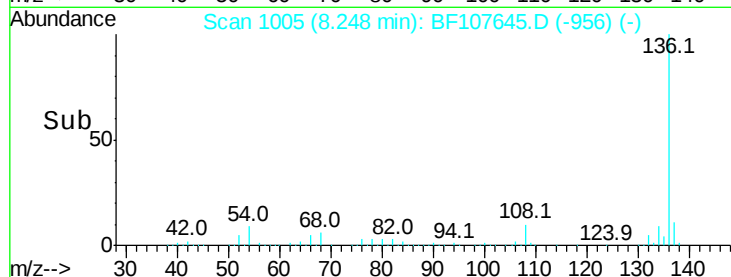


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.290 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

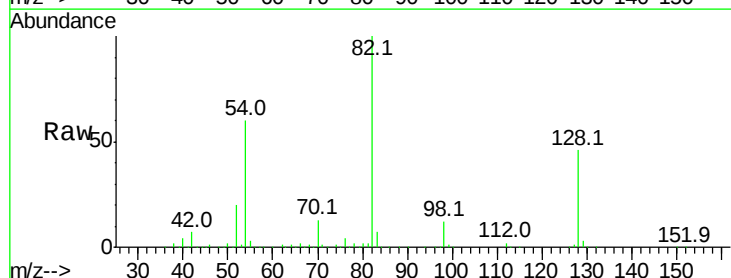
Tgt Ion: 82 Resp: 962197

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

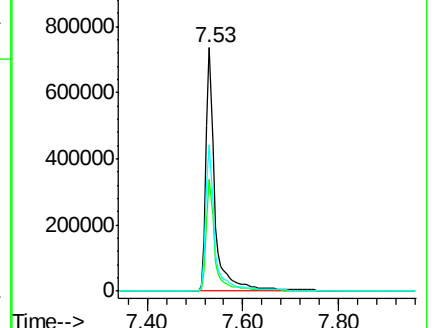
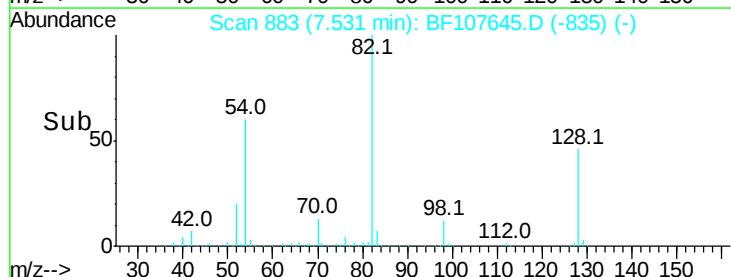
54 60.1 41.4 62.2

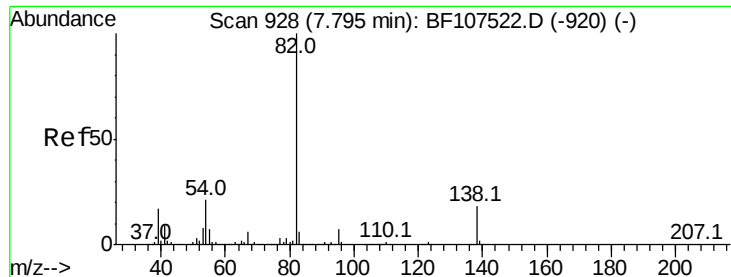


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.262 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Instrument :

BNA_F

ClientSampleId :

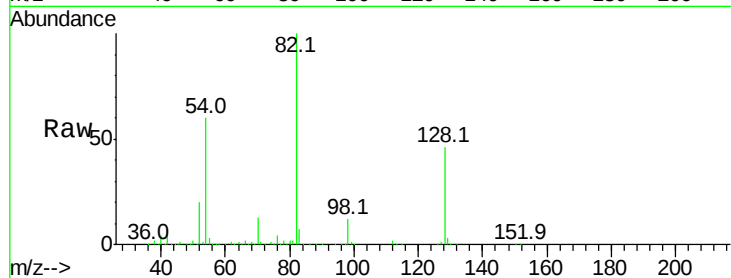
Tot Ion: 82 Resp: 962192

Ion Ratio Lower Upper

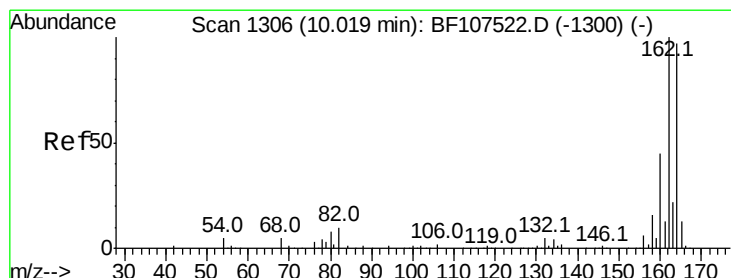
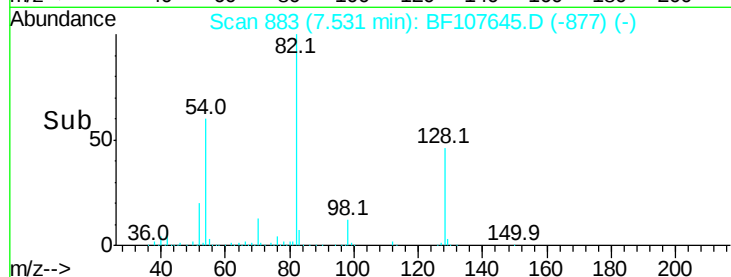
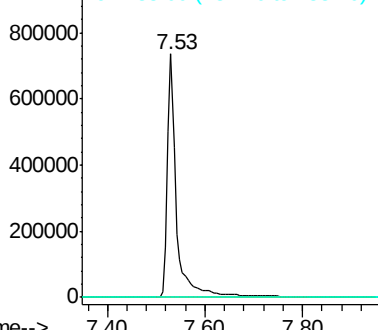
82 100

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: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

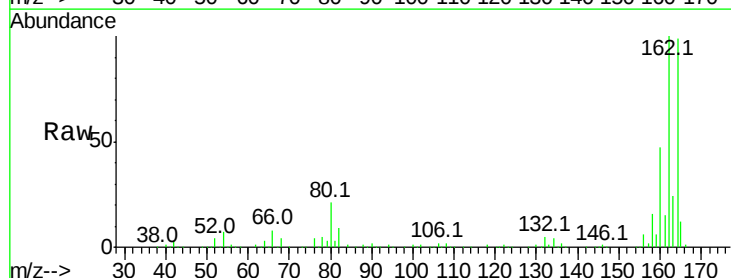
Tgt Ion: 164 Resp: 335495

Ion Ratio Lower Upper

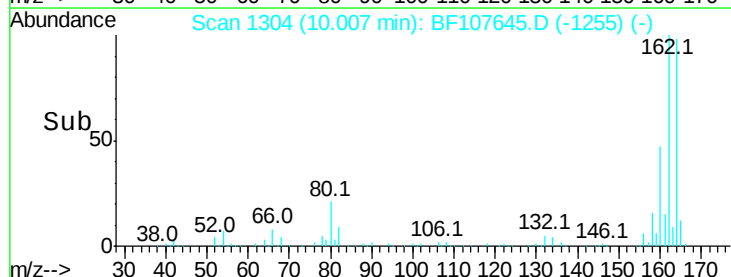
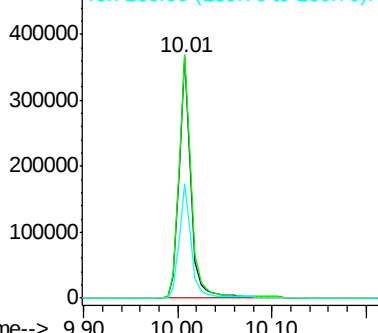
164 100

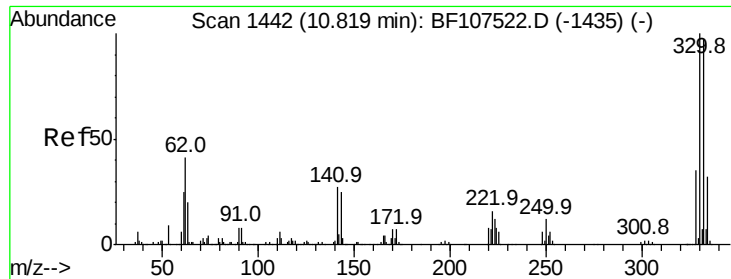
162 101.1 86.1 129.1

160 47.2 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

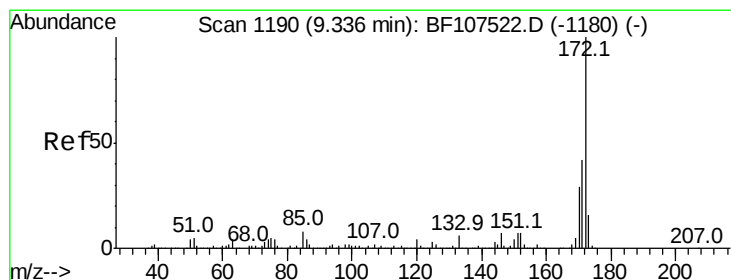
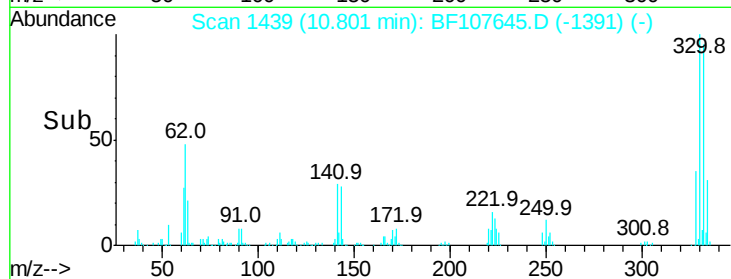
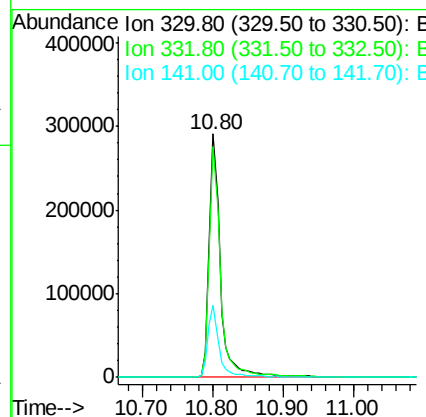
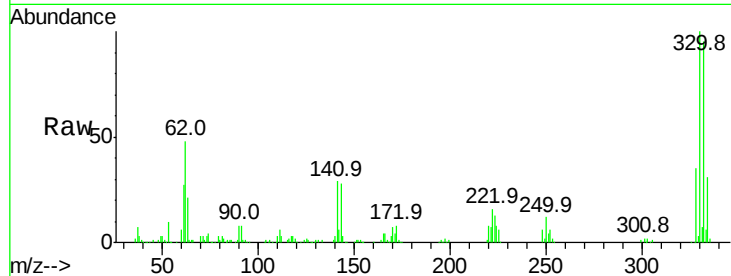




#41
 2,4,6-Tribromophenol
 Concen: 85.568 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107645.D
 Acq: 25 Jul 2018 4:53

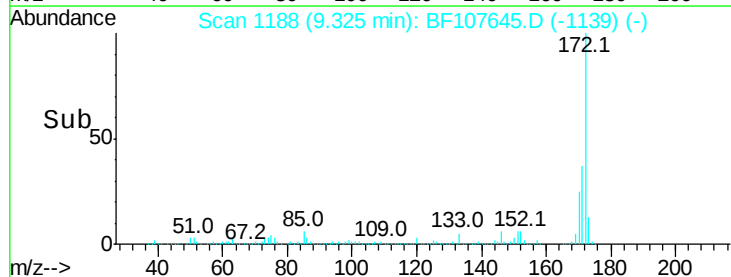
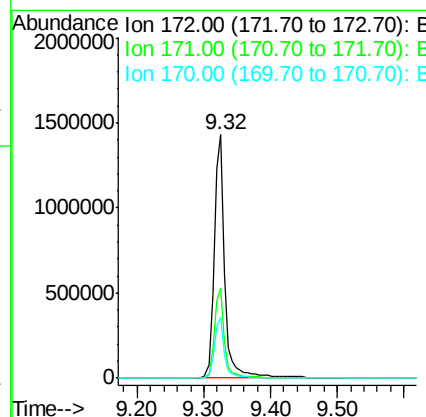
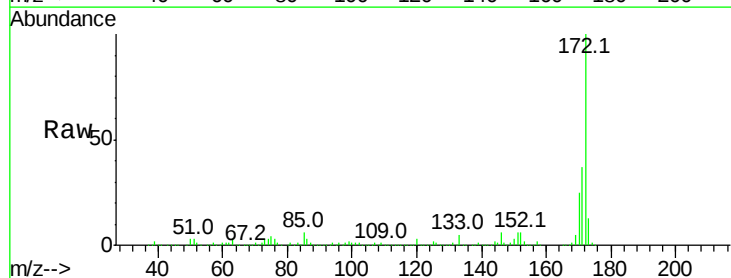
Instrument :
 BNA_F
 ClientSampled :

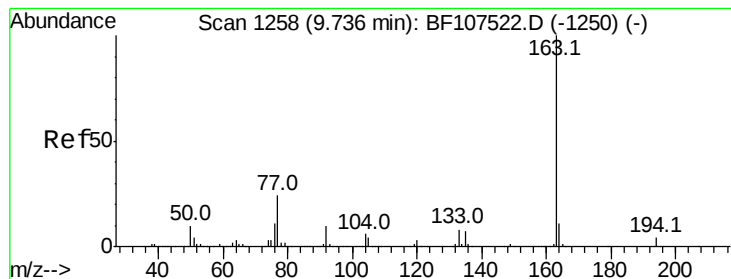
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	28.9	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 80.382 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107645.D
 Acq: 25 Jul 2018 4:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.8	19.6	29.4





#49

Dimethylphthalate

Concen: 3.158 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Instrument :

BNA_F

ClientSampled :

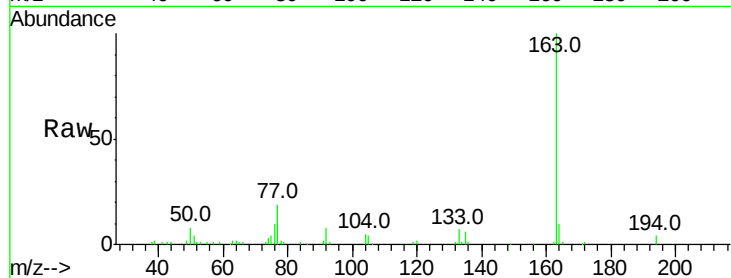
Tot Ion:163 Resp: 79853

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

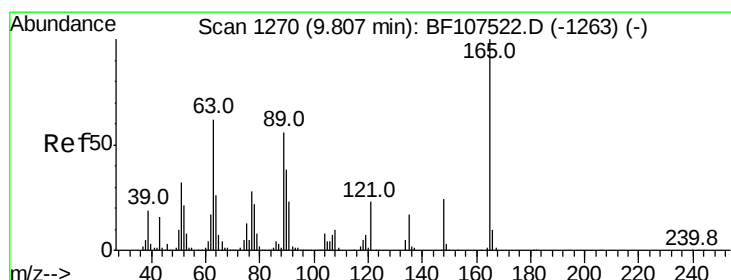
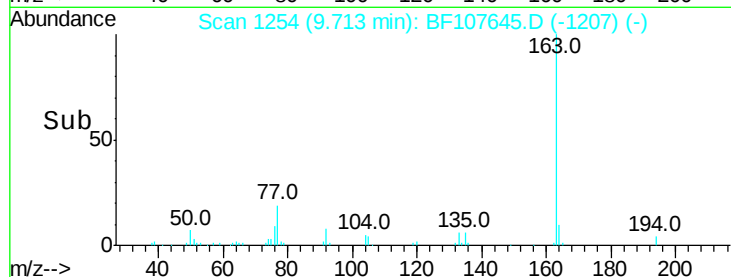
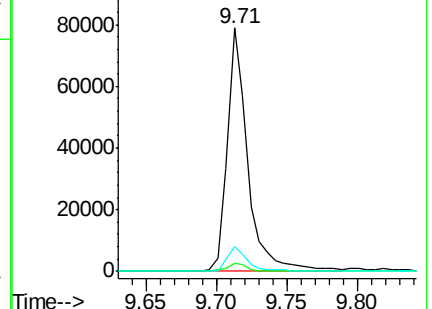
164 10.3 8.2 12.2



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: 8.157 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.20 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

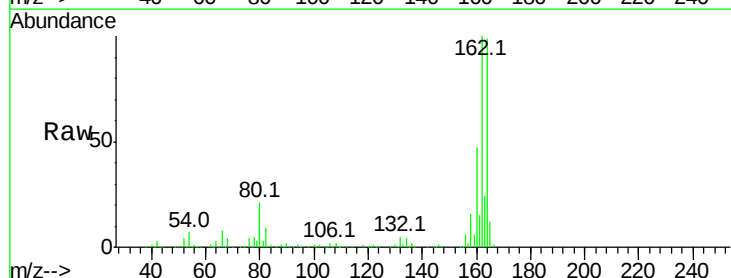
Tgt Ion:165 Resp: 40949

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

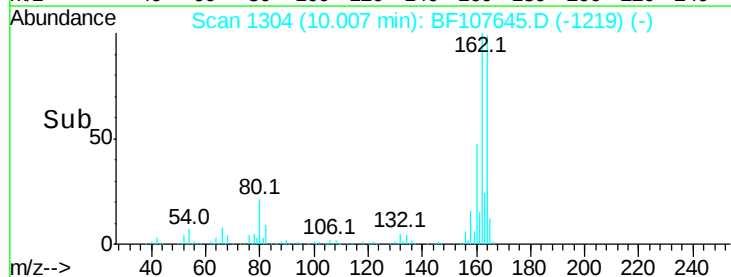
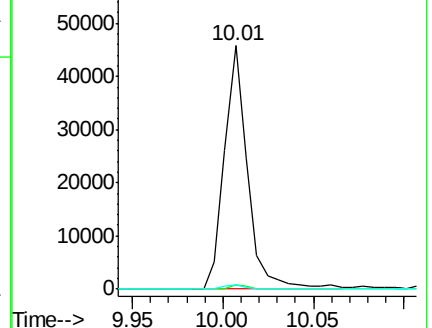
89 1.6 44.0 66.0#

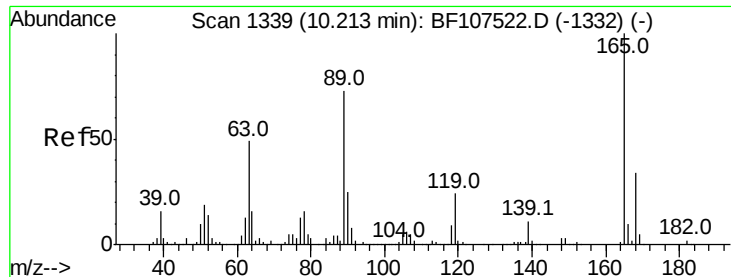


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

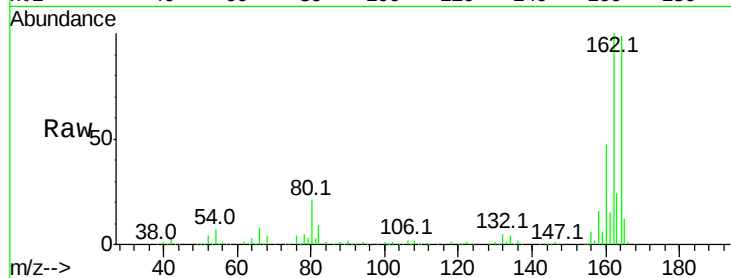




#56
2,4-Dinitrotoluene
Concen: 6.782 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107645.D
Acq: 25 Jul 2018 4:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

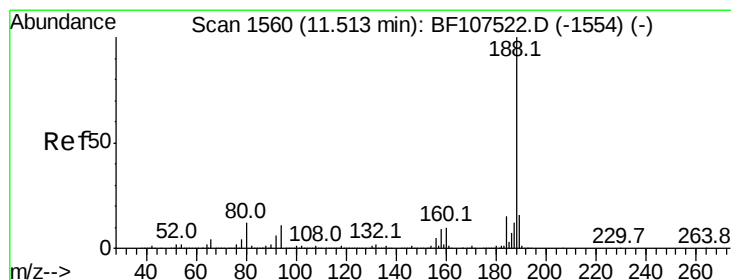
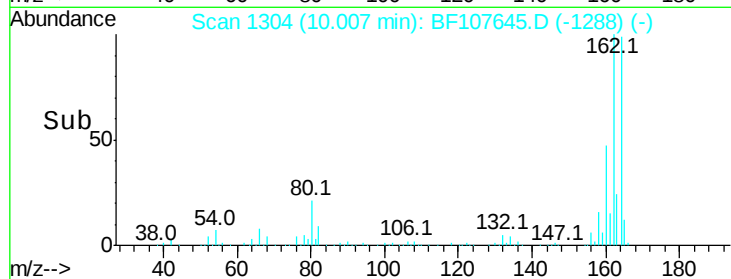
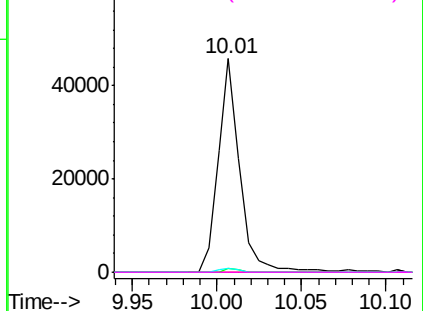


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

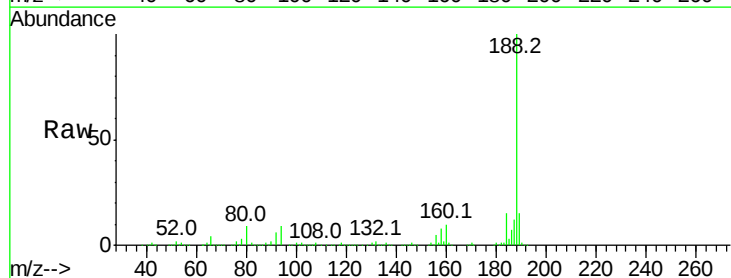
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107645.D
Acq: 25 Jul 2018 4:53

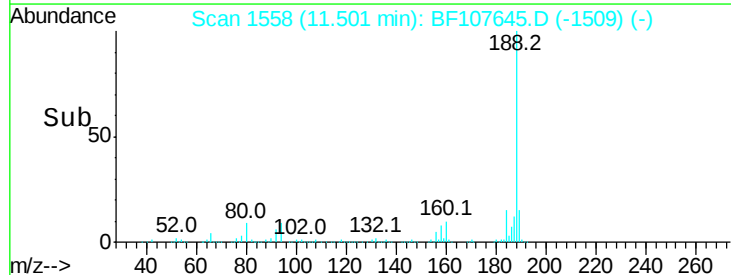
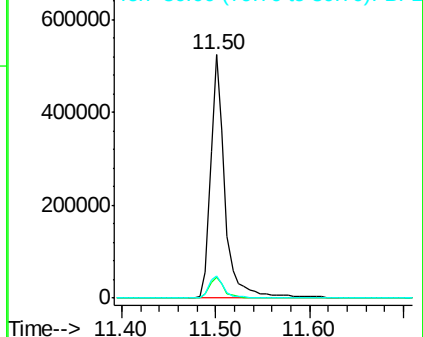
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

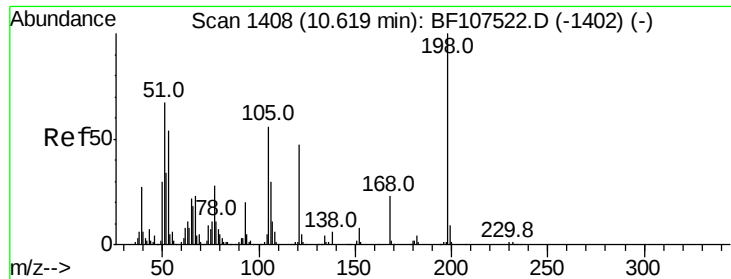


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.824 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Instrument :

BNA_F

ClientSampleId :

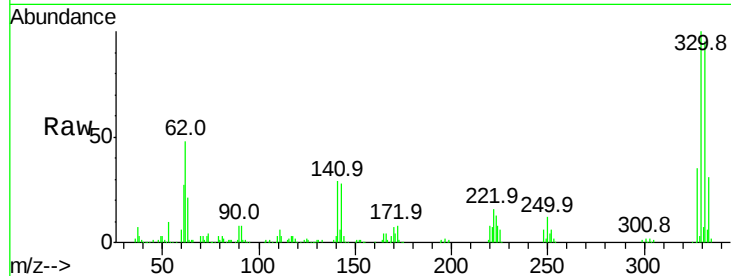
Tot Ion:198 Resp: 482

Ion Ratio Lower Upper

198 100

51 312.9 37.7 77.7#

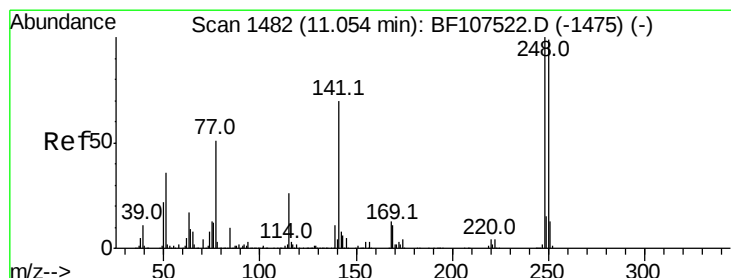
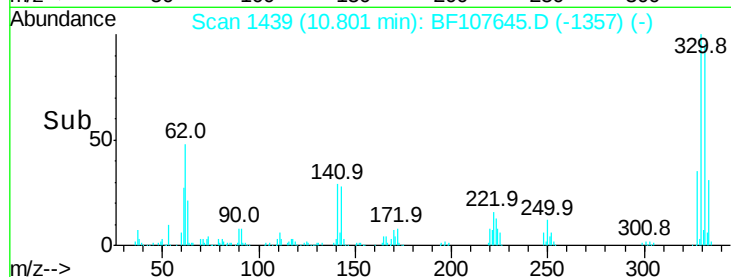
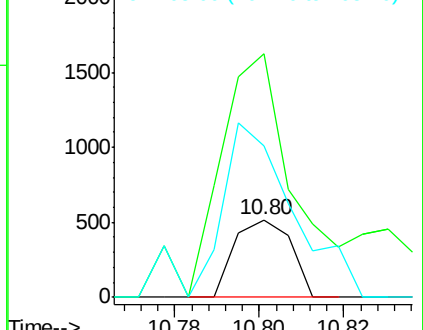
105 195.4 36.3 76.3#



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: 2.859 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.25 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

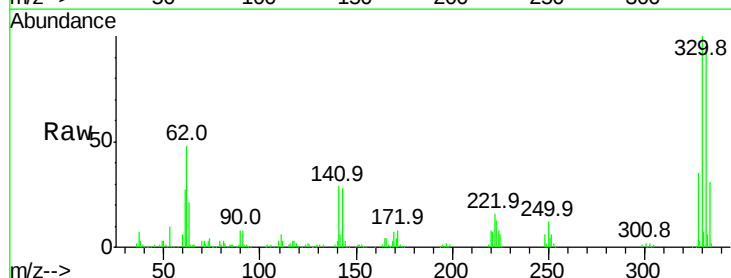
Tgt Ion:248 Resp: 19183

Ion Ratio Lower Upper

248 100

250 193.8 76.9 115.3#

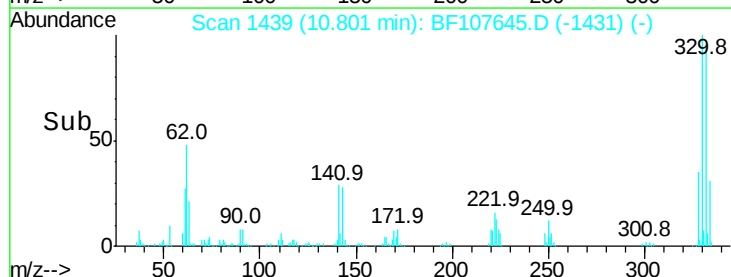
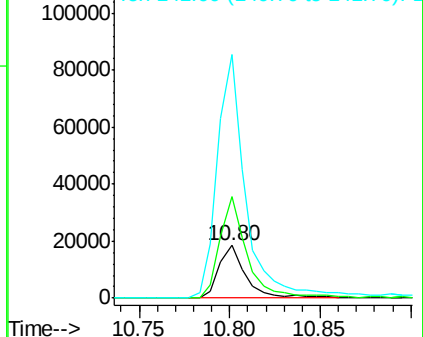
141 465.6 74.4 111.6#

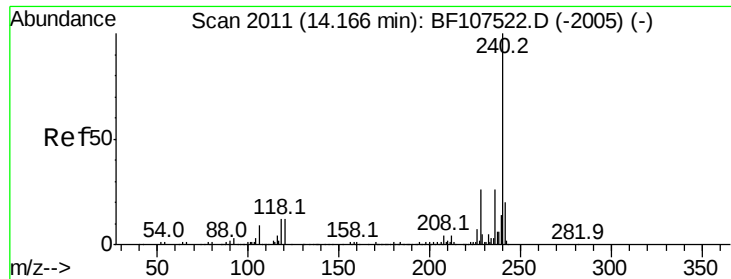


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

Instrument :

BNA_F

ClientSampled :

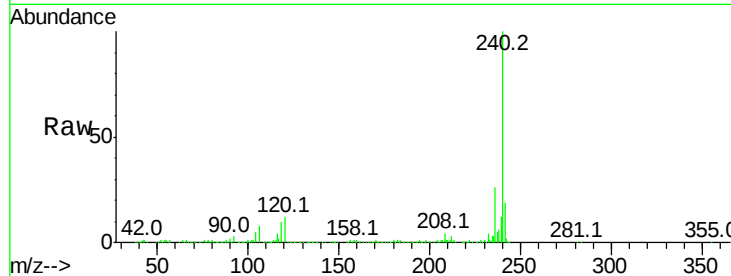
Tot Ion:240 Resp: 436659

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

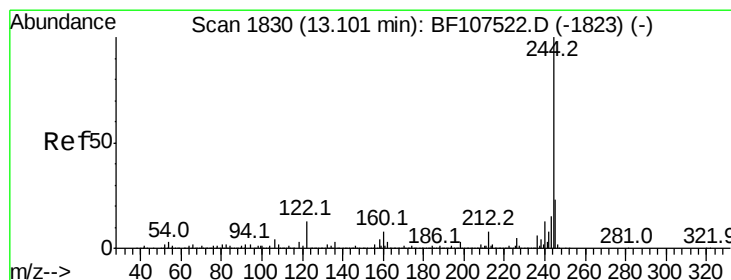
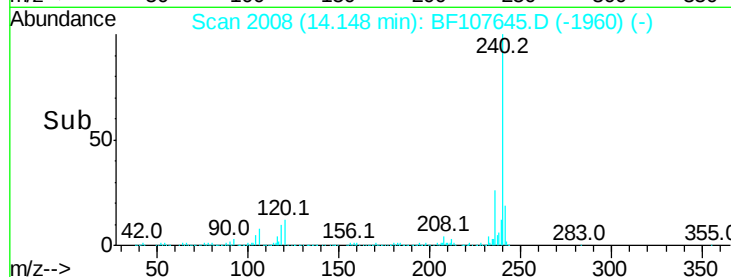
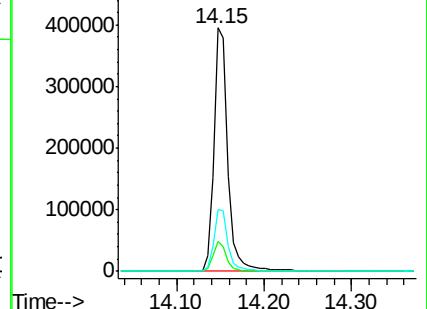
236 25.6 20.7 31.1



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: 73.195 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107645.D

Acq: 25 Jul 2018 4:53

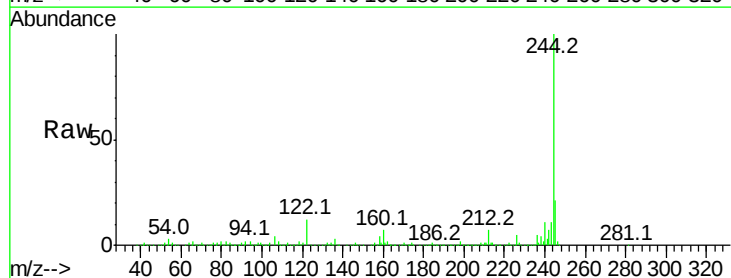
Tgt Ion:244 Resp: 1248438

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

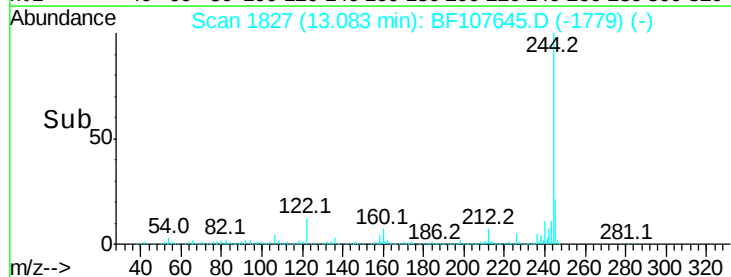
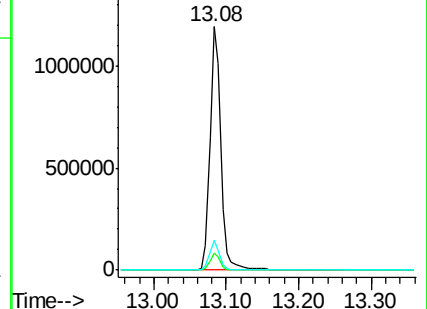
122 12.3 11.0 16.4

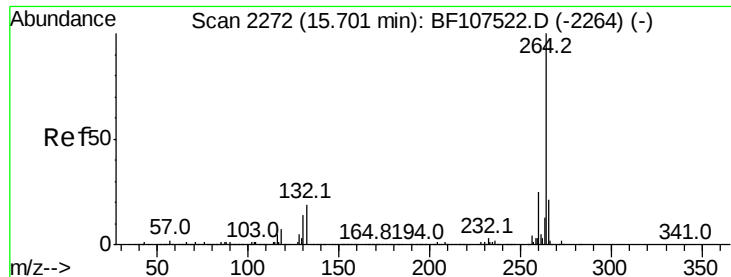


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

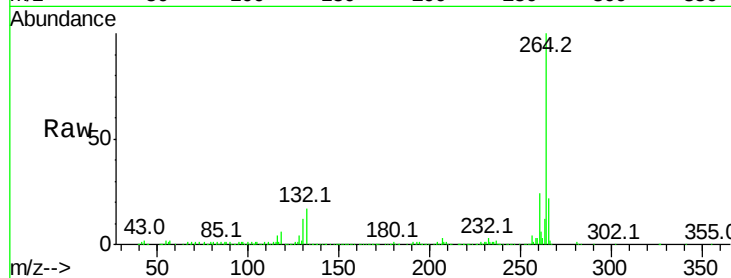




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107645.D
Acq: 25 Jul 2018 4:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	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

