

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107625.D
 Acq On : 24 Jul 2018 18:05
 Operator : JU/SJ
 Sample : J4096-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-12

Quant Time: Jul 25 01:03:16 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	250440	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	972957	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	397833	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	706494	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	554781	20.00	ng	-0.01
86) Perylene-d12	15.69	264	443075	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	695871	44.67	ng	0.00
7) Phenol-d6	6.60	99	896217	47.92	ng	-0.01
23) Nitrobenzene-d5	7.53	82	519744	36.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	190442	42.10	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	899450	31.18	ng	-0.02
78) Terphenyl-d14	13.08	244	699623	32.28	ng	-0.02

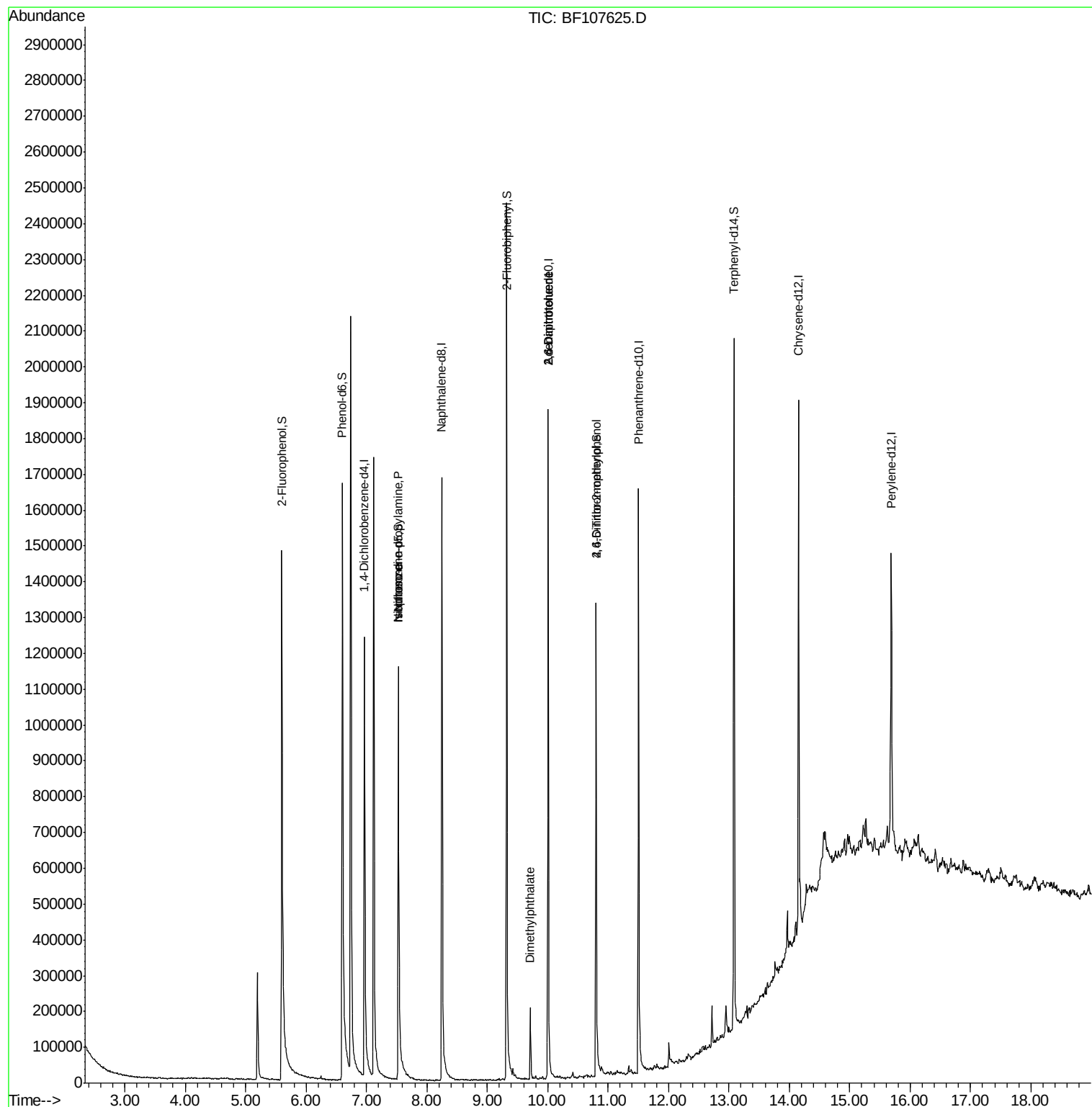
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	15930	Below Cal		84
19) n-Nitroso-di-n-propylamine	7.53	70	68359	5.658 ng	#	79
25) Isophorone	7.53	82	519744	16.884 ng	#	64
49) Dimethylphthalate	9.71	163	83269	2.777 ng		100
50) 2,6-Dinitrotoluene	10.01	165	50432	8.472 ng	#	26
56) 2,4-Dinitrotoluene	10.01	165	50432	7.018 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.80	198	361	8.767 ng	#	1
73) Di-n-butylphthalate	12.05	149	3997	Below Cal	#	94
81) 3,3'-Dichlorobenzidine	14.12	252	282	Below Cal	#	41

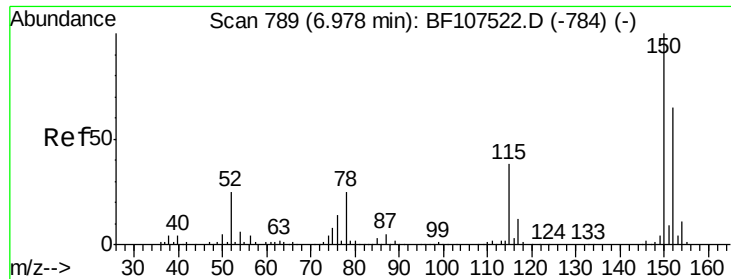
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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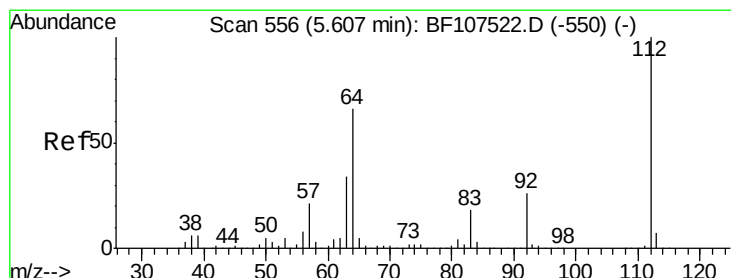
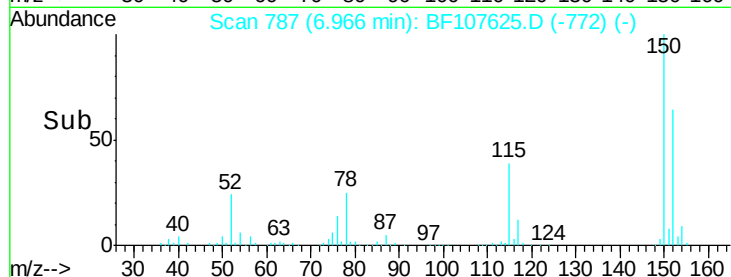
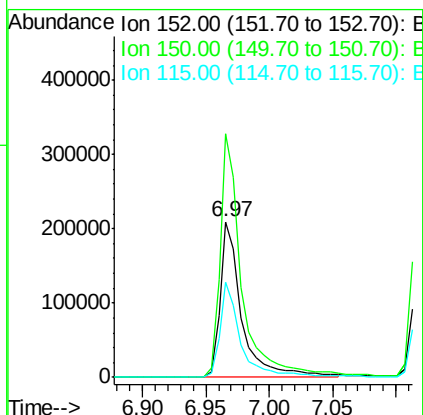
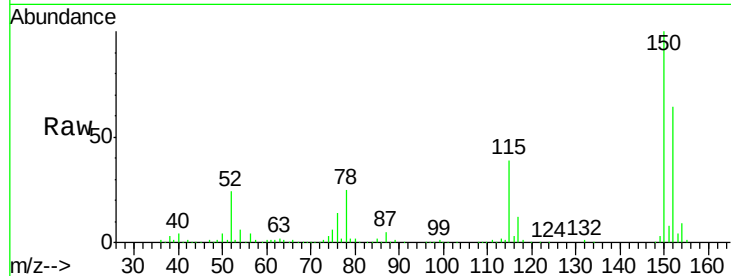


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

Instrument :
BNA_F
ClientSampleId :
DW-12

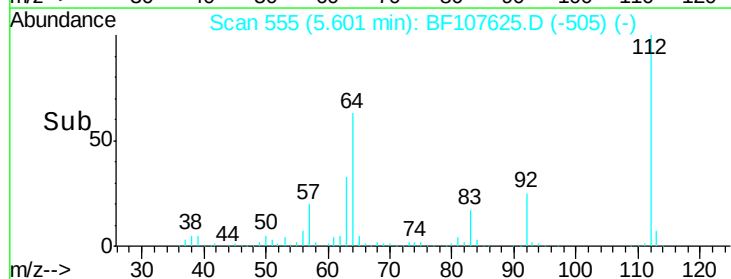
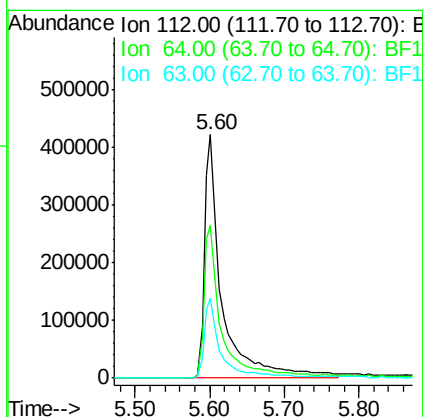
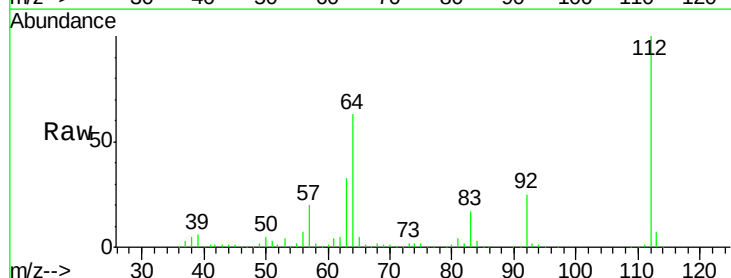
Tgt Ion:152 Resp: 250440
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 61.2 50.1 75.1

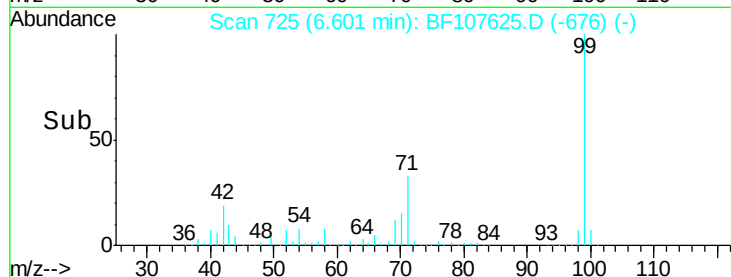
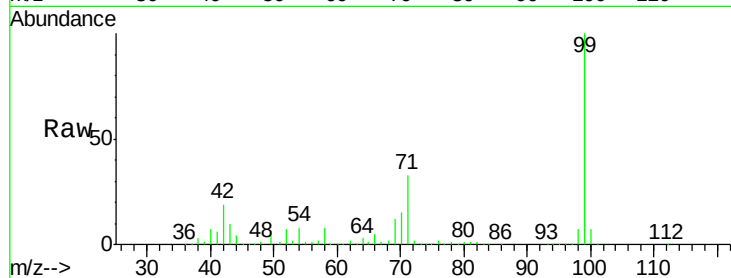
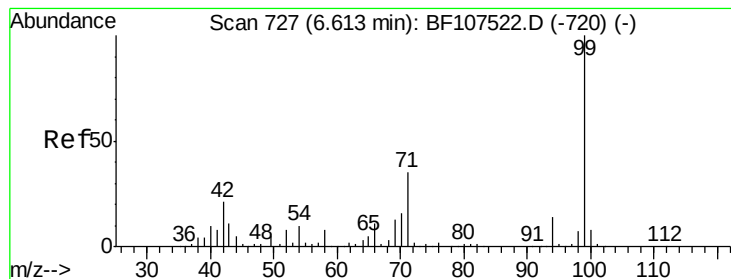


#5

2-Fluorophenol
Concen: 44.674 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

Tgt Ion:112 Resp: 695871
Ion Ratio Lower Upper
112 100
64 63.0 47.9 71.9
63 32.6 23.7 35.5





#7

Phenol-d6

Concen: 47.918 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

Instrument :

BNA_F

ClientSampleId :

DW-12

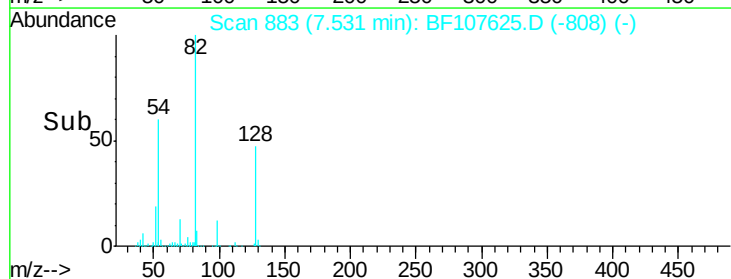
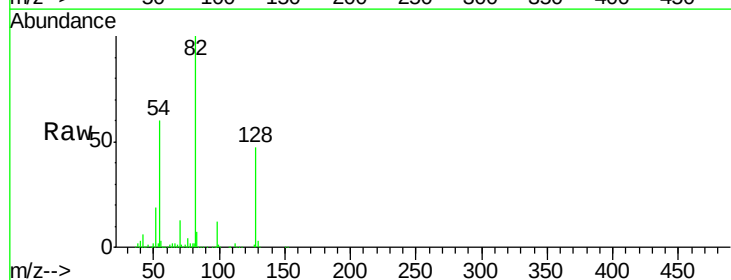
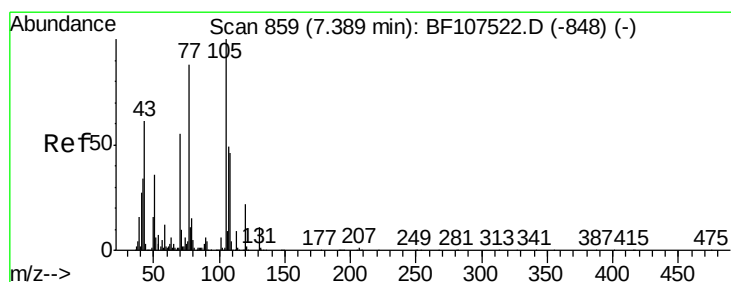
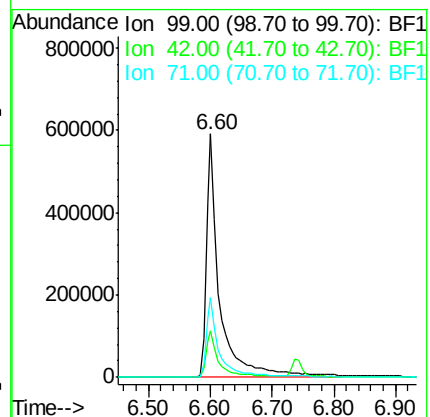
Tgt Ion: 99 Resp: 896217

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.658 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

Tgt Ion: 70 Resp: 68359

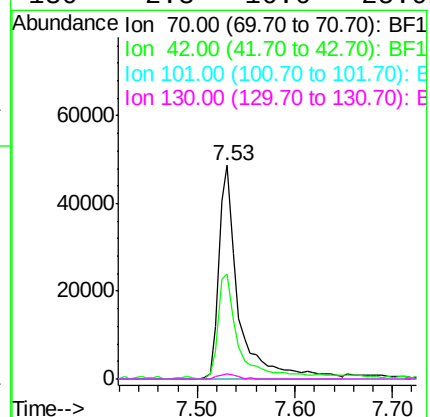
Ion Ratio Lower Upper

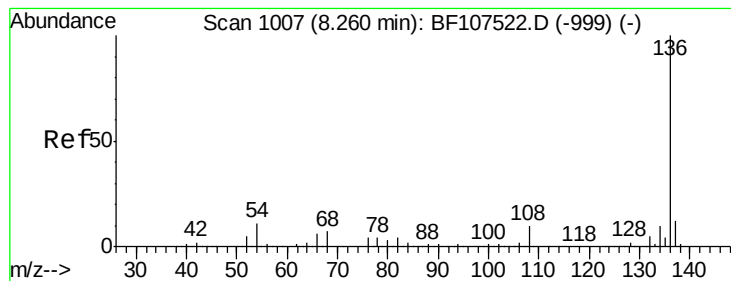
70 100

42 49.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 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: BF107625.D

Acq: 24 Jul 2018 18:05

Instrument :

BNA_F

ClientSampleId :

DW-12

Tgt Ion: 136 Resp: 972957

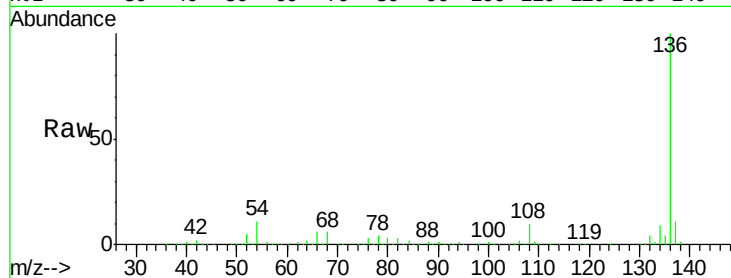
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 10.6 6.6 9.8#

68 5.8 5.0 7.4

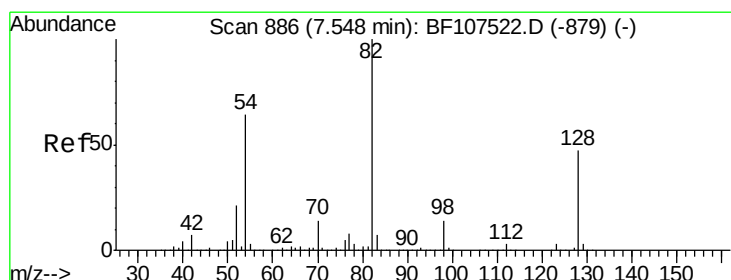
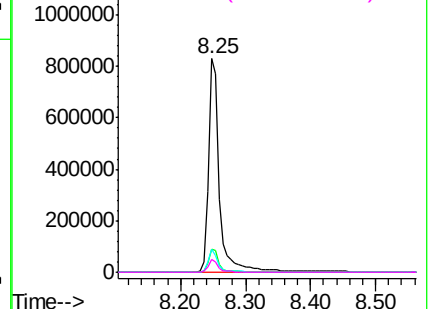
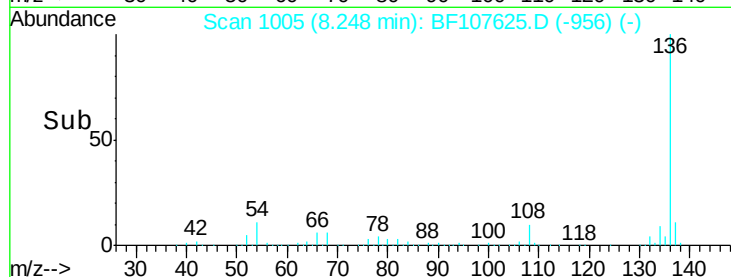


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.051 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

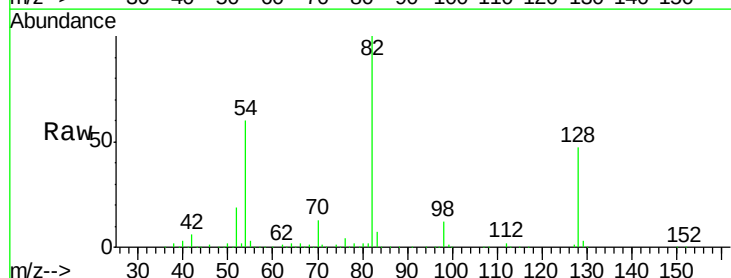
Tgt Ion: 82 Resp: 519744

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

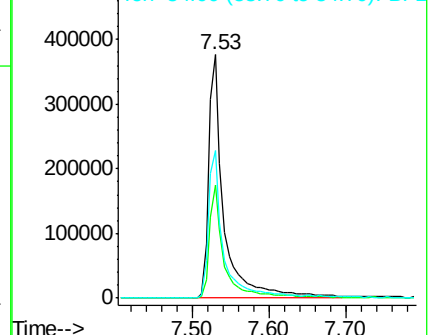
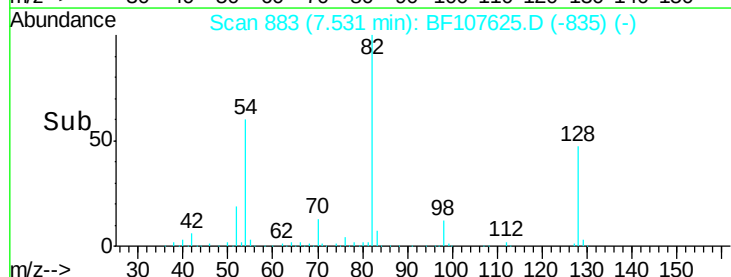
54 60.4 41.4 62.2

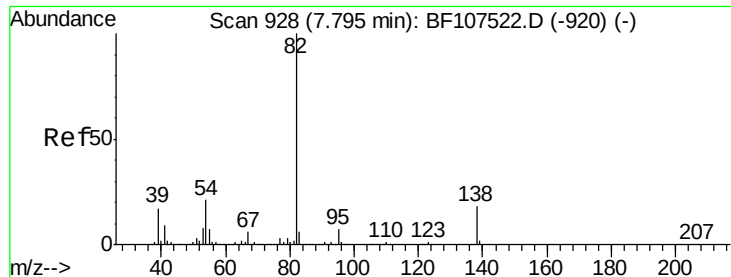


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.884 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

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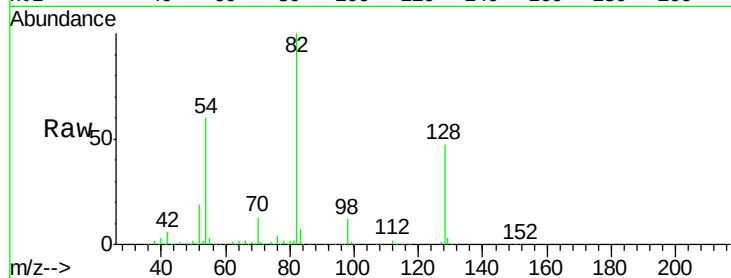
Tgt Ion: 82 Resp: 519744

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

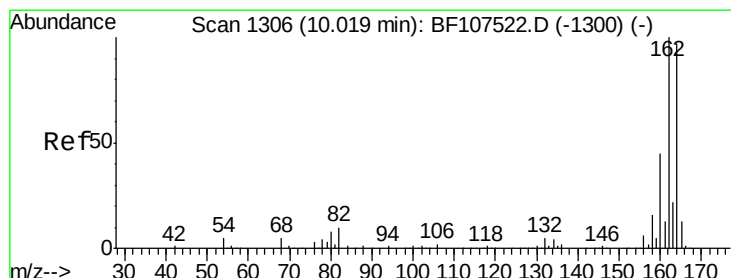
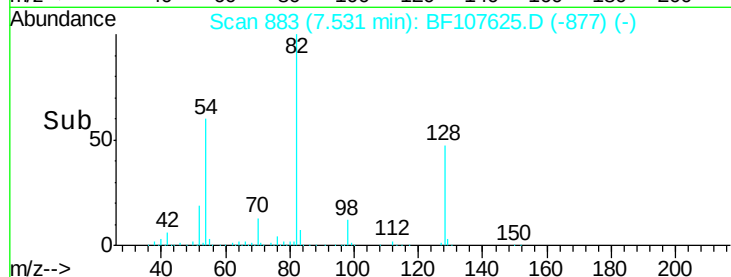
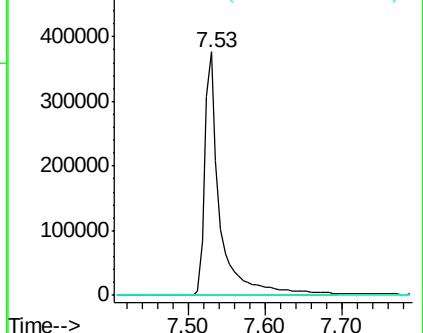
138 0.0 14.9 22.3#



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: BF107625.D

Acq: 24 Jul 2018 18:05

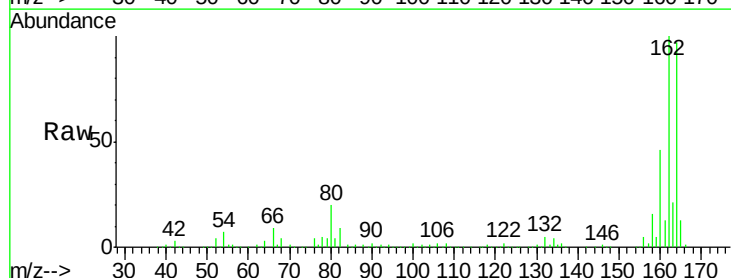
Tgt Ion: 164 Resp: 397833

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

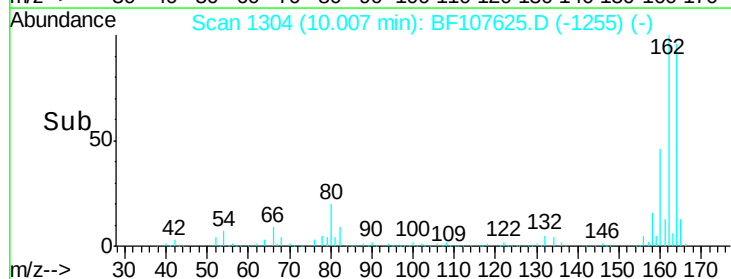
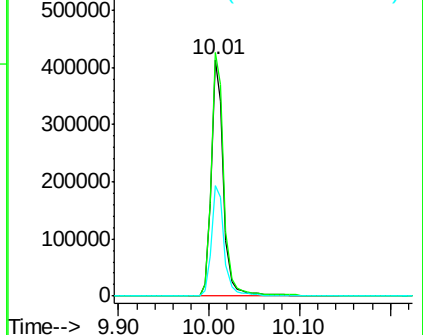
160 46.9 38.3 57.5

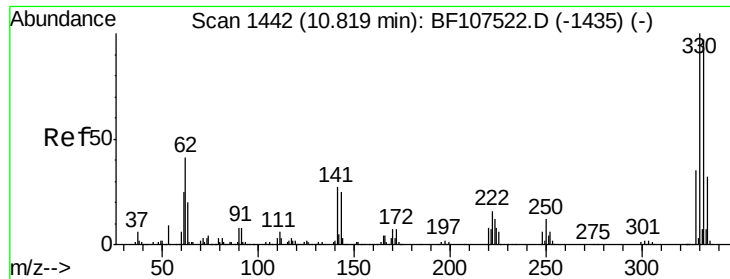


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

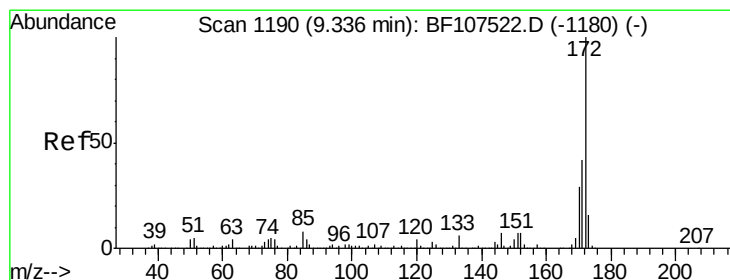
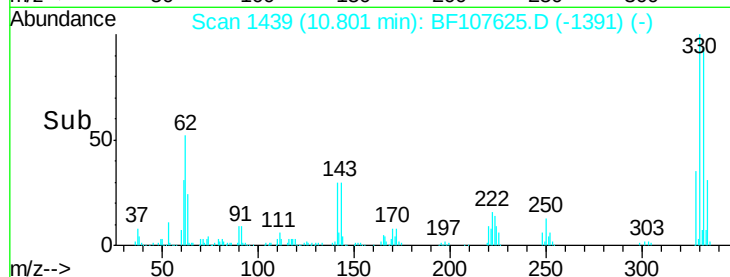
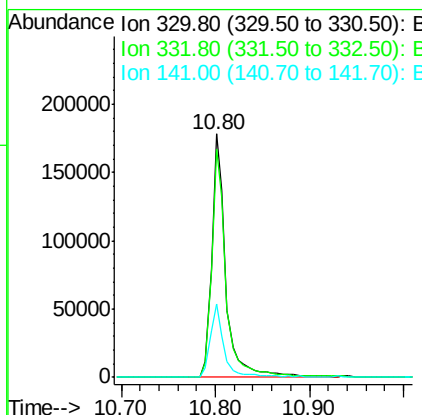
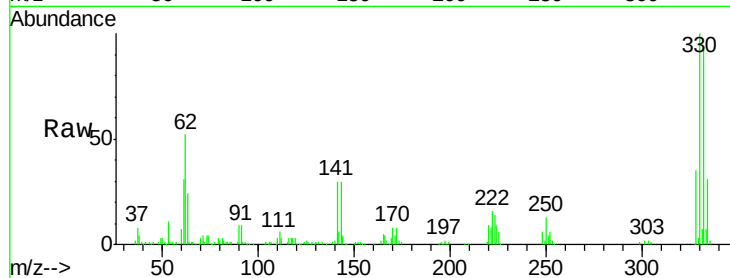




#41
 2,4,6-Tribromophenol
 Concen: 42.096 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107625.D
 Acq: 24 Jul 2018 18:05

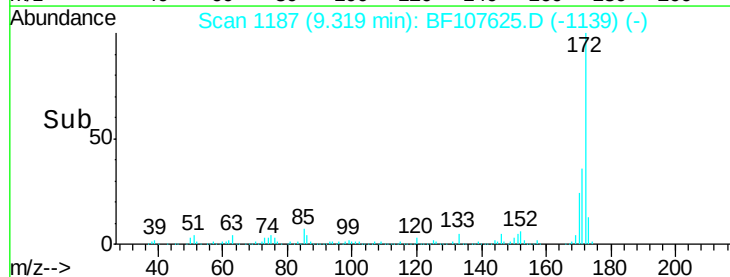
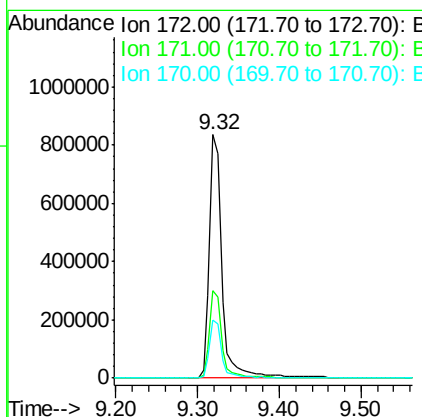
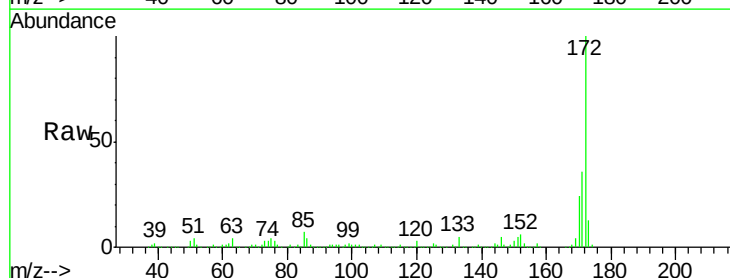
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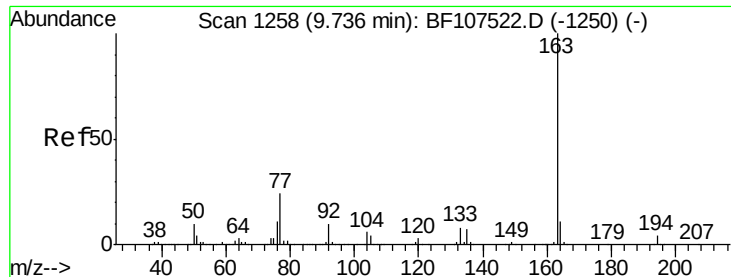
Tgt Ion:330 Resp: 190442
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 29.5 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 31.183 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107625.D
 Acq: 24 Jul 2018 18:05

Tgt Ion:172 Resp: 899450
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.0 19.6 29.4

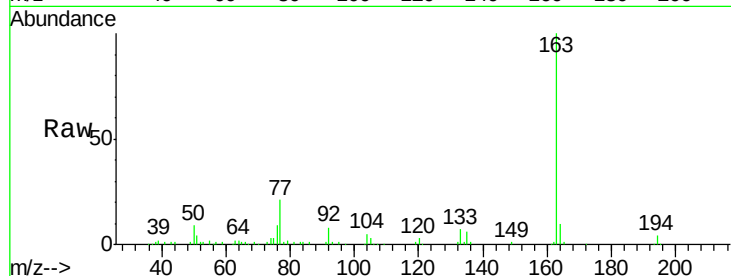




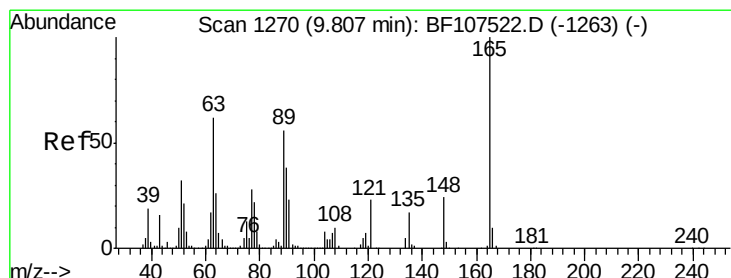
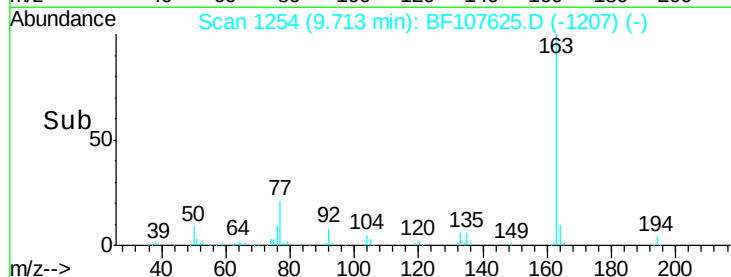
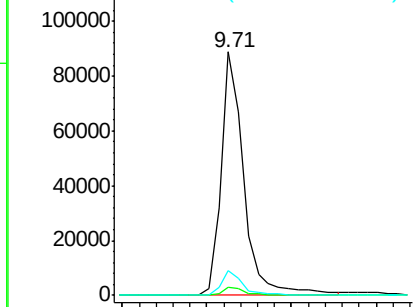
#49
Dimethylphthalate
Concen: 2.777 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

Instrument :
BNA_F
ClientSampleId :
DW-12

Tgt Ion:163 Resp: 83269
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.0 8.2 12.2

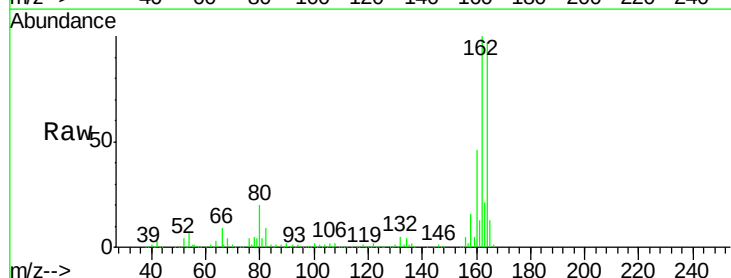


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

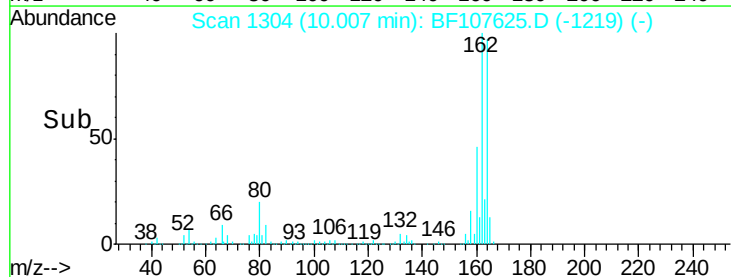
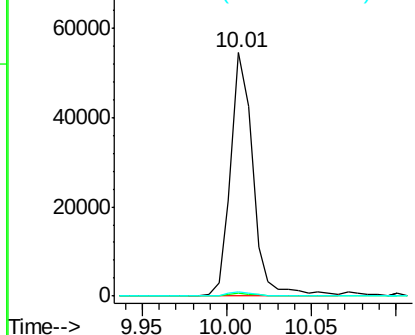


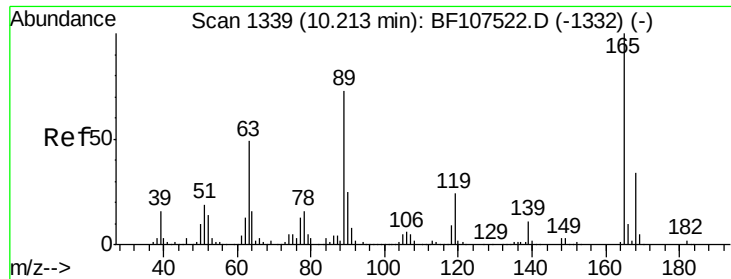
#50
2,6-Dinitrotoluene
Concen: 8.472 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.20 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

Tgt Ion:165 Resp: 50432
Ion Ratio Lower Upper
165 100
63 1.5 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

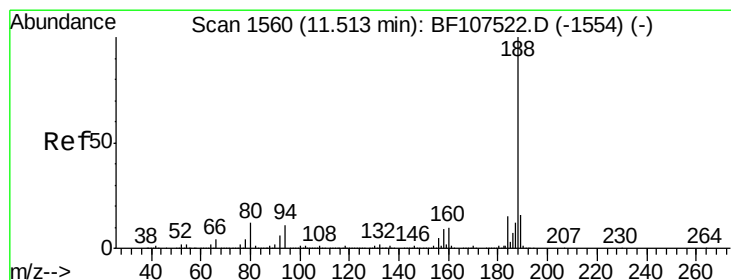
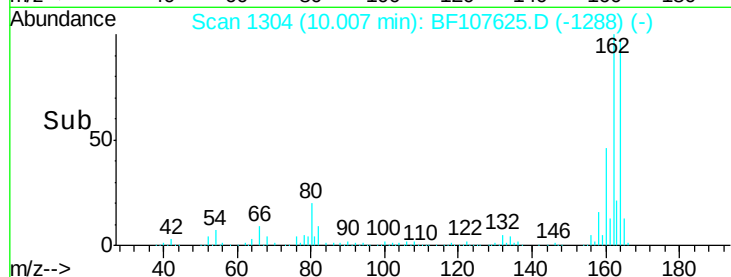
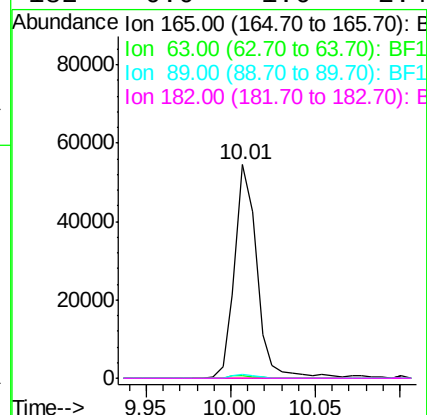
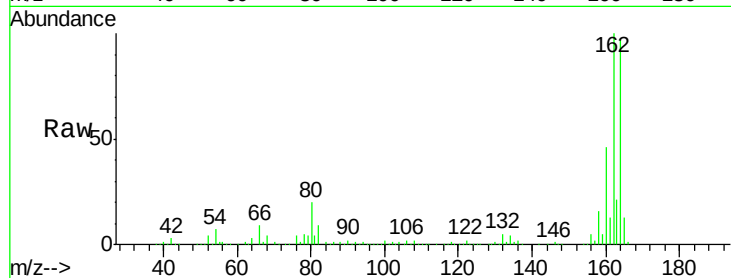




#56
2,4-Dinitrotoluene
Concen: 7.018 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

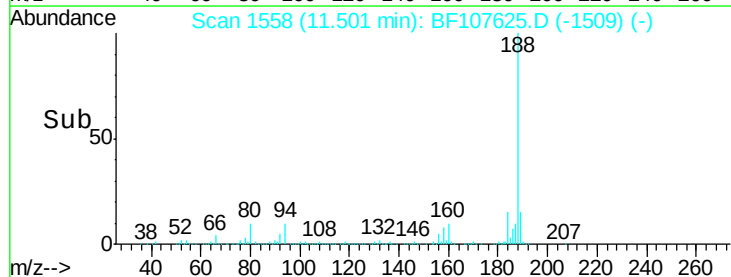
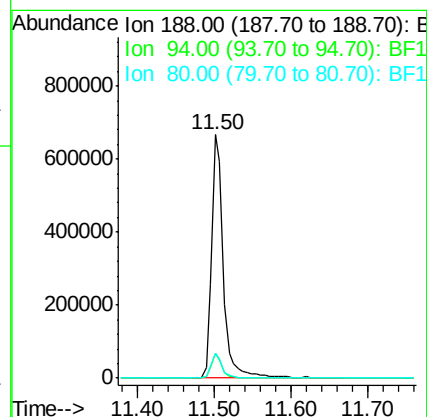
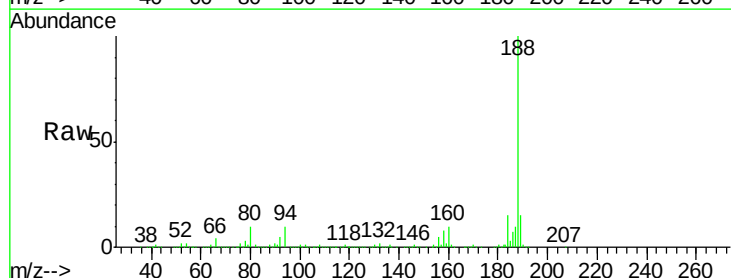
Instrument :
BNA_F
ClientSampleId :
DW-12

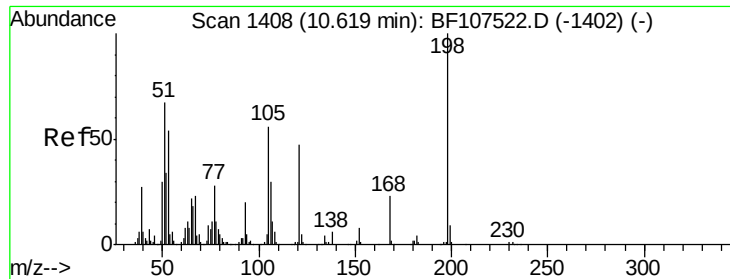
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107625.D
Acq: 24 Jul 2018 18:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.0	9.2	13.8

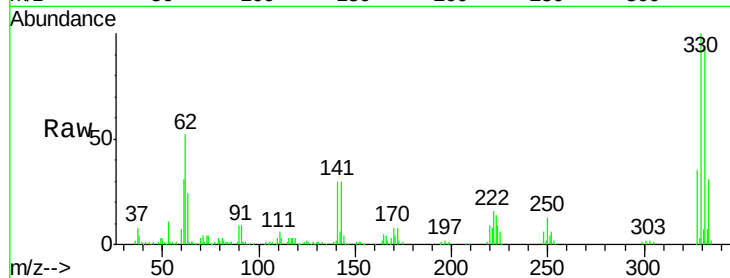




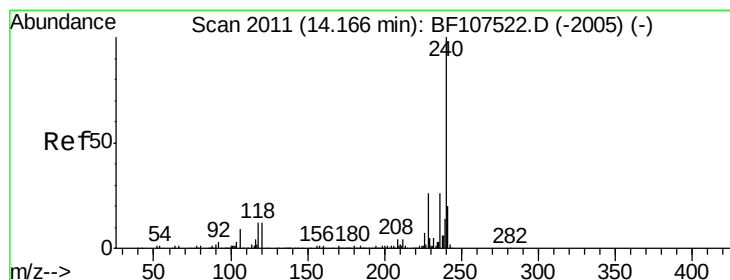
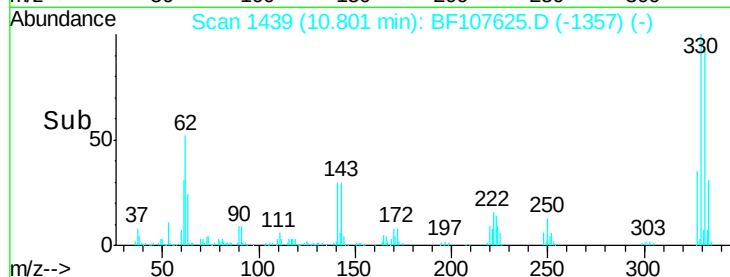
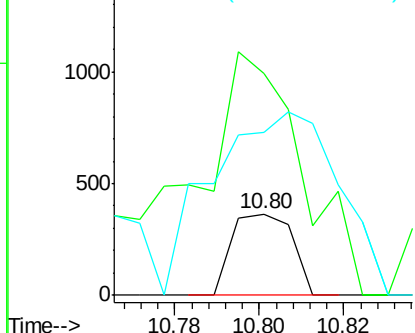
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.767 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.18 min
 Lab File: BF107625.D
 Acq: 24 Jul 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 DW-12

Tgt Ion:198 Resp: 361
 Ion Ratio Lower Upper
 198 100
 51 272.3 37.7 77.7#
 105 200.8 36.3 76.3#

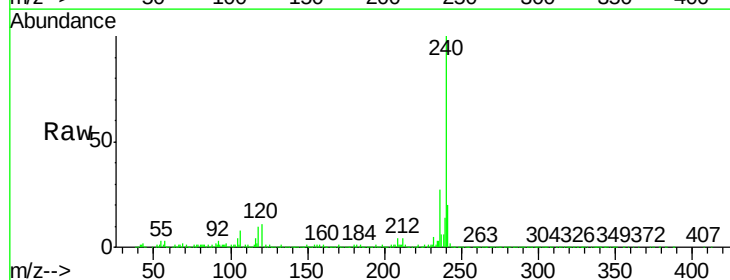


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

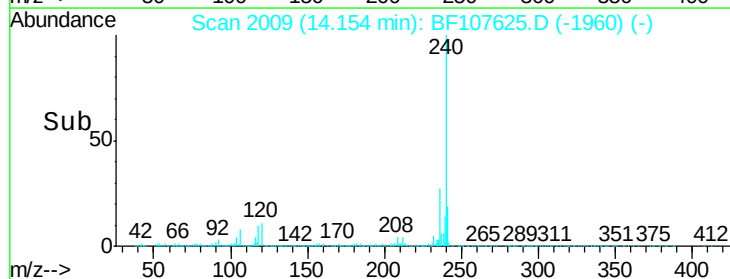
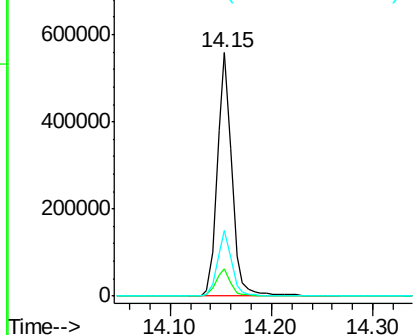


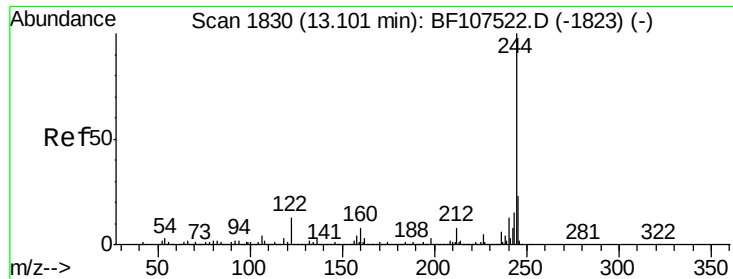
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF107625.D
 Acq: 24 Jul 2018 18:05

Tgt Ion:240 Resp: 554781
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.5 14.3
 236 27.1 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: 32.285 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

Instrument :

BNA_F

ClientSampleId :

DW-12

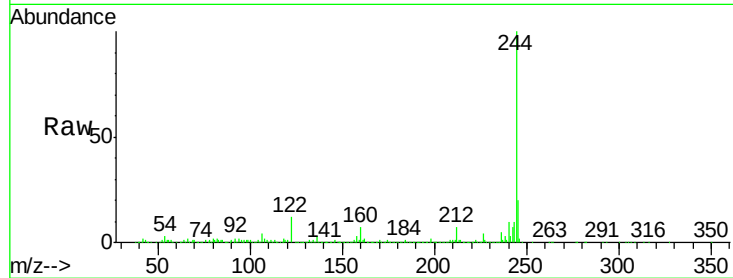
Tgt Ion:244 Resp: 699623

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

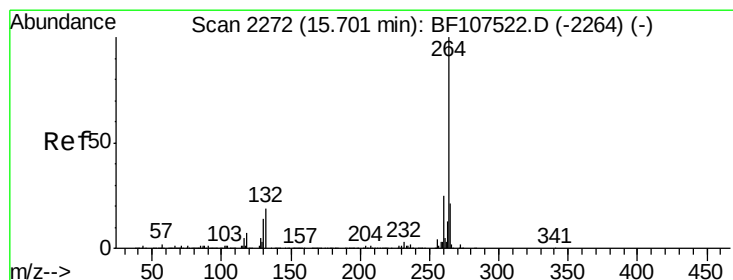
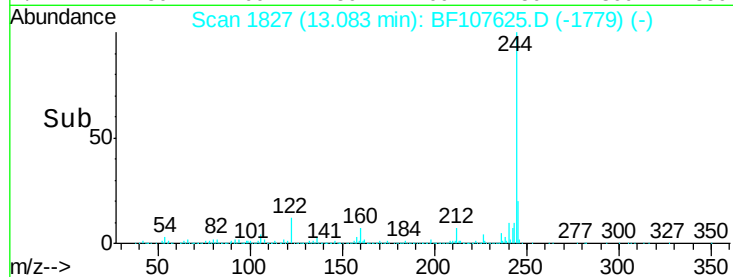
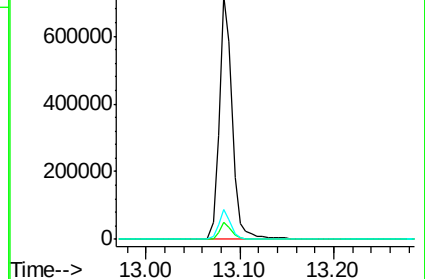
122 12.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107625.D

Acq: 24 Jul 2018 18:05

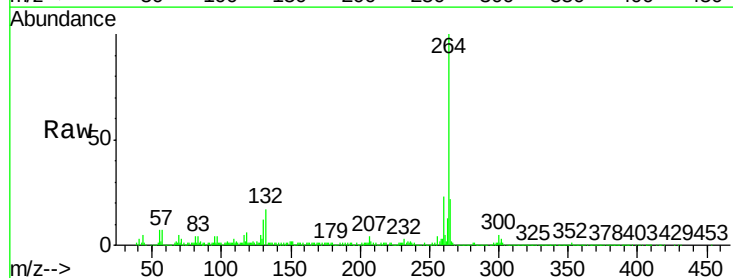
Tgt Ion:264 Resp: 443075

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.3 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

