

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
 Data File : BF107565.D
 Acq On : 21 Jul 2018 10:17
 Operator : JU/SJ
 Sample : J4061-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 071718-TIPC-F-D-S

Quant Time: Jul 23 03:27:36 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	310358	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1127766	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	398769	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	682201	20.00	ng	0.00
75) Chrysene-d12	14.16	240	718522	20.00	ng	0.00
86) Perylene-d12	15.69	264	571199	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	776253	40.21	ng	0.00
7) Phenol-d6	6.60	99	690539	29.79	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1710516	102.36	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	364823	80.45	ng	-0.01
44) 2-Fluorobiphenyl	9.33	172	2583107	126.58	ng	0.00
78) Terphenyl-d14	13.10	244	2137819	76.17	ng	0.00

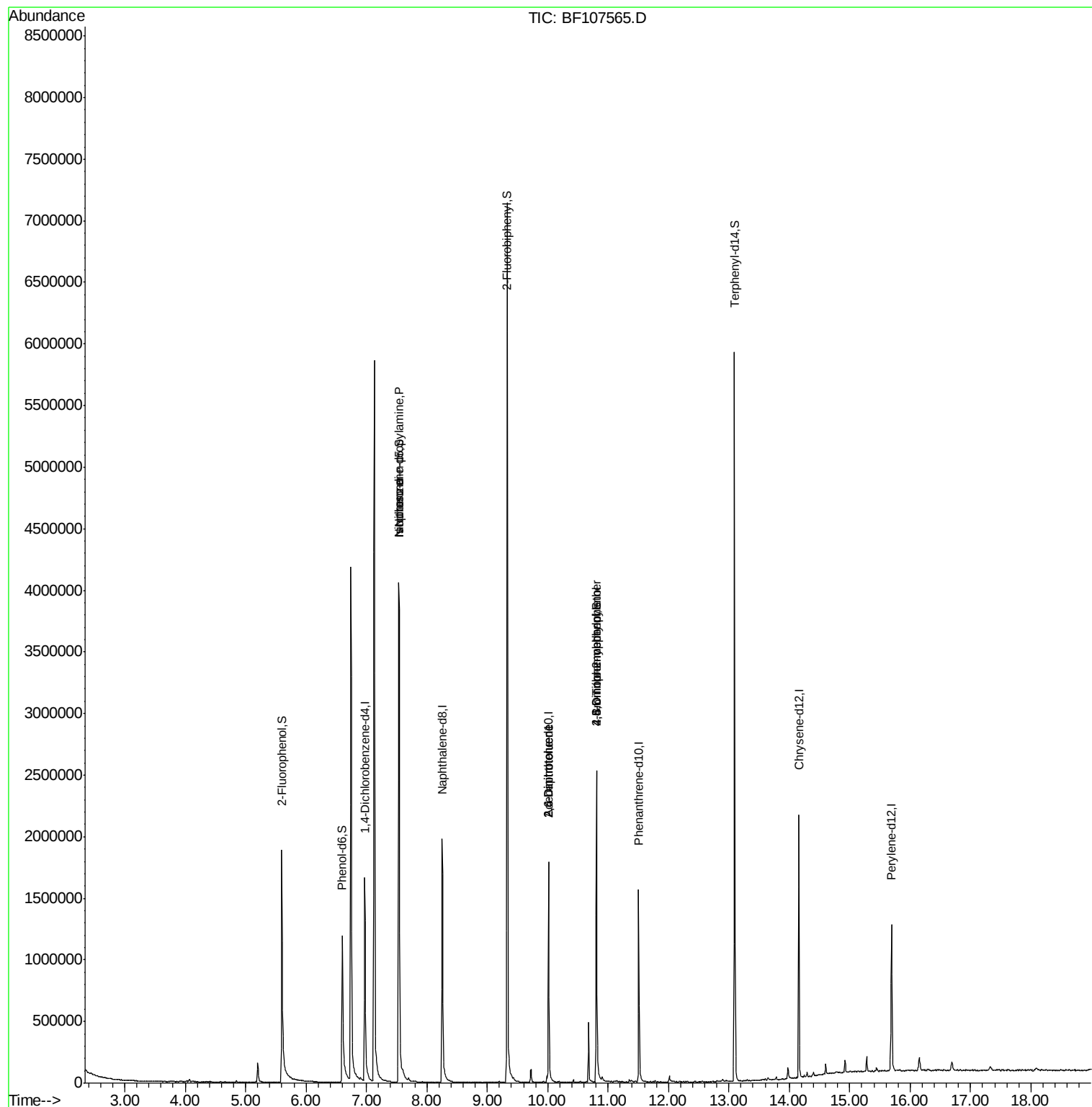
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	1311	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.54	70	228791	15.280	ng	# 81
25) Isophorone	7.54	82	1710505	47.940	ng	# 64
50) 2,6-Dinitrotoluene	10.01	165	52065	8.726	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	52065	7.229	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.81	198	662	8.845	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	22991	2.863	ng	# 1
73) Di-n-butylphthalate	12.05	149	1507	Below Cal	#	78

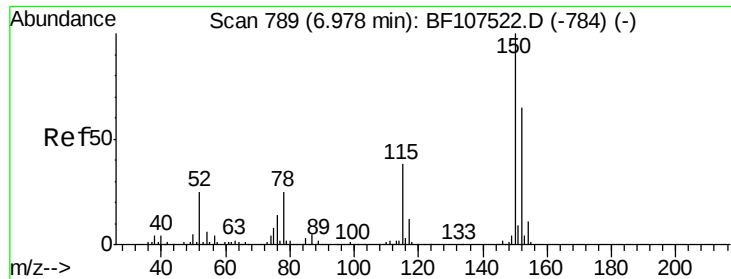
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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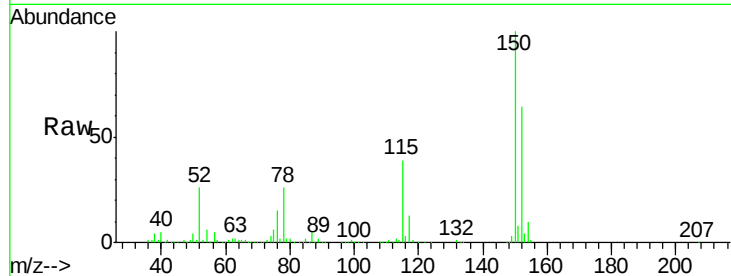


#1

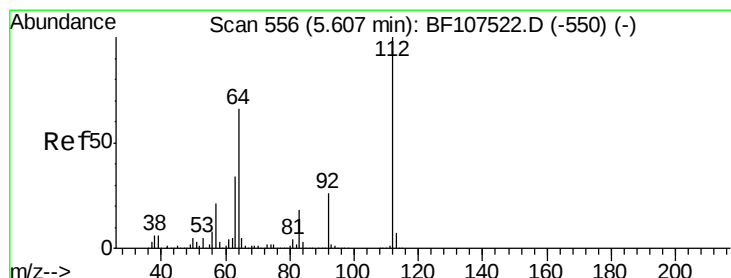
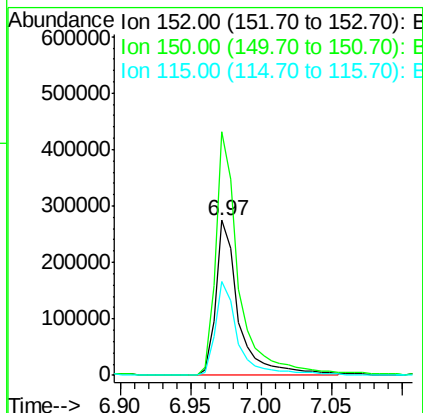
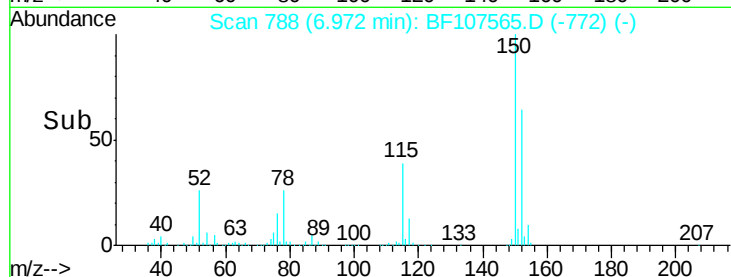
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Instrument :
BNA_F
ClientSampleId :
071718-TIPC-F-D-S

Tgt Ion:152 Resp: 310358
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 60.9 50.1 75.1



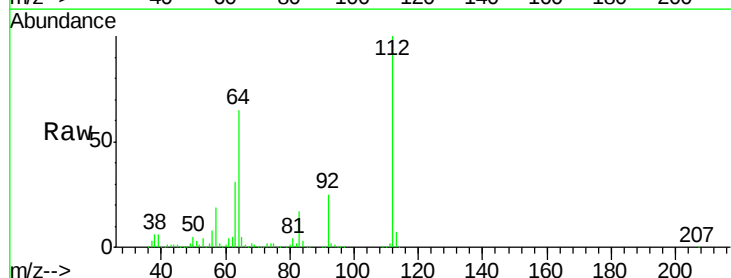
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



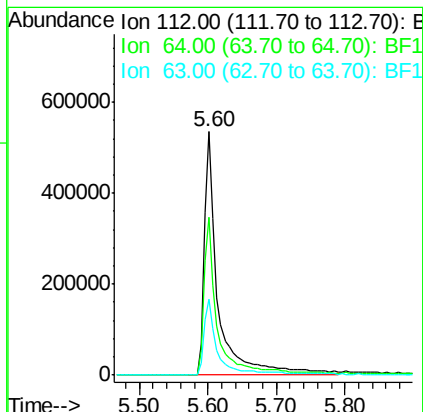
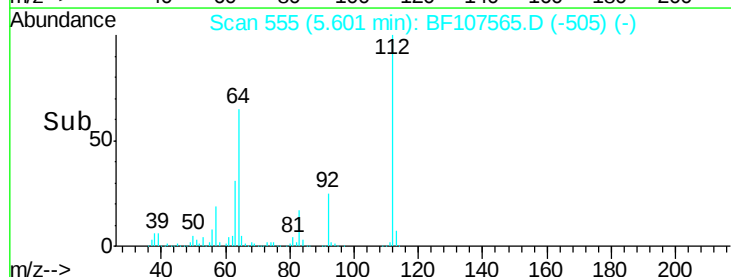
#5

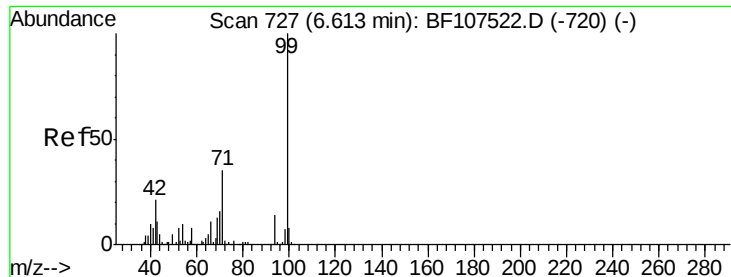
2-Fluorophenol
Concen: 40.214 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Tgt Ion:112 Resp: 776253
Ion Ratio Lower Upper
112 100
64 65.0 47.9 71.9
63 31.3 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: 29.793 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-S

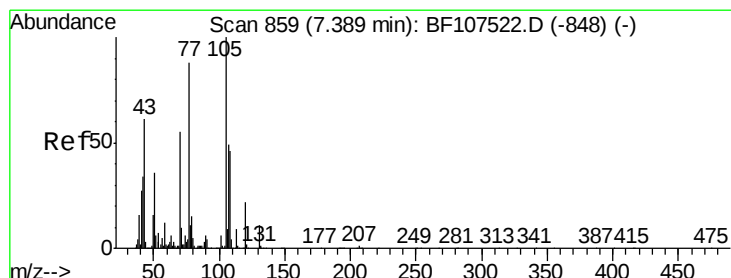
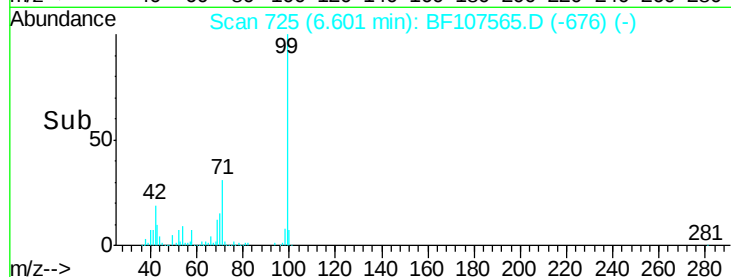
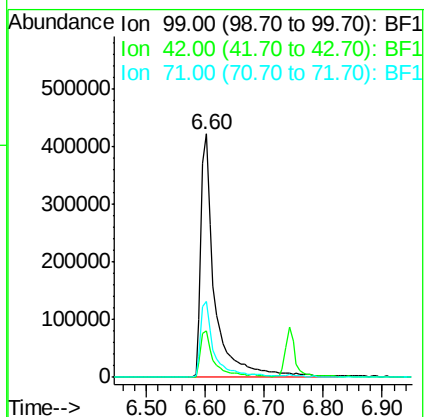
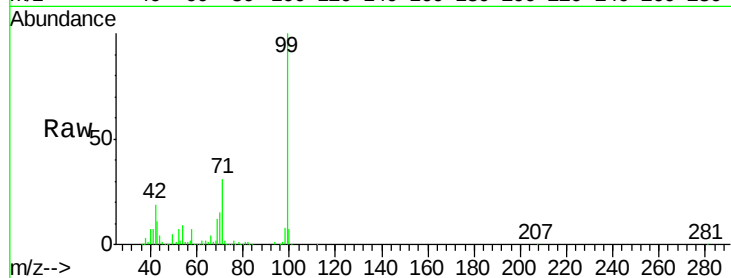
Tgt Ion: 99 Resp: 690539

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.280 ng

RT: 7.54 min Scan# 884

Delta R.T. 0.15 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

Tgt Ion: 70 Resp: 228791

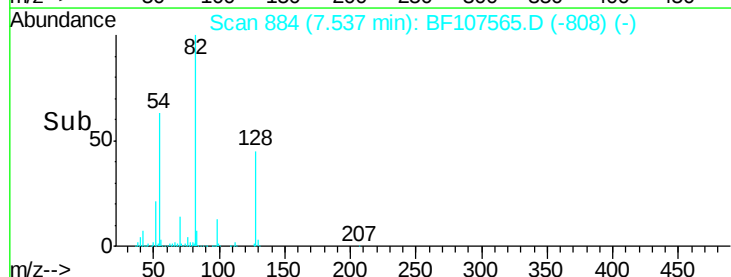
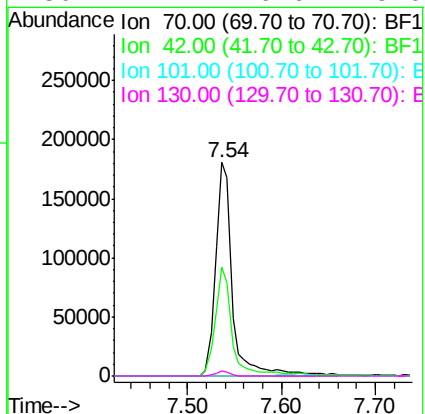
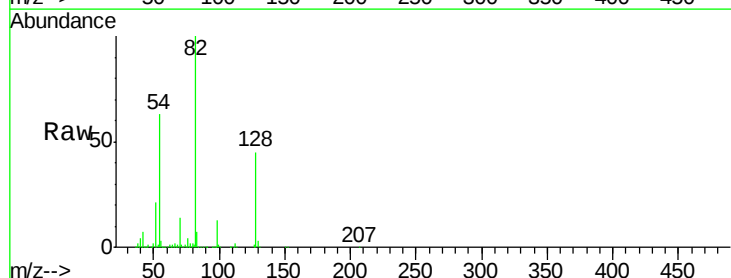
Ion Ratio Lower Upper

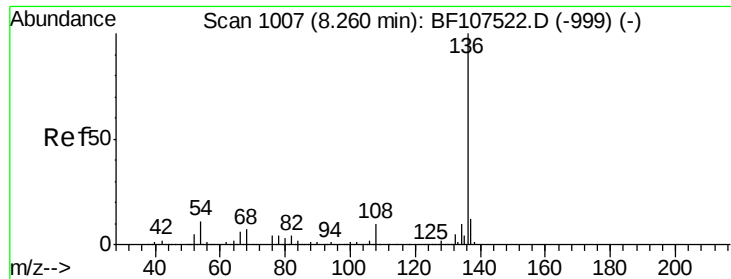
70 100

42 51.0 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

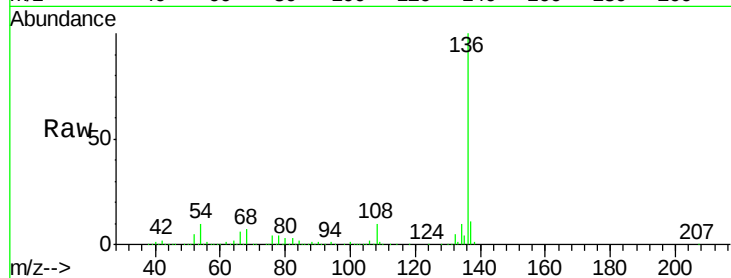




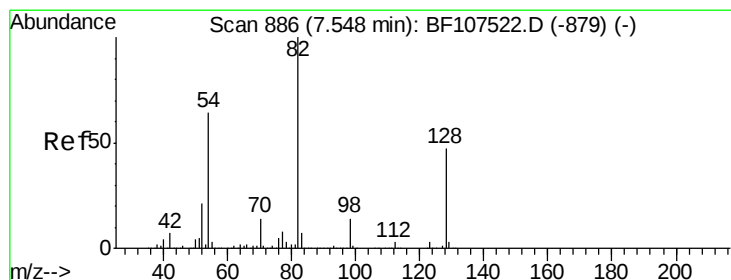
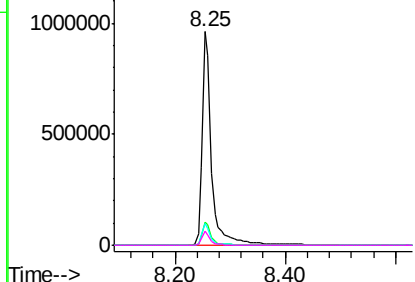
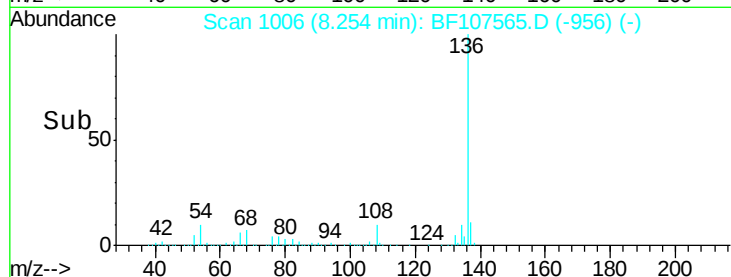
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Instrument :
BNA_F
ClientSampleId :
071718-TIPC-F-D-S

Tgt Ion:136 Resp: 1127766
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.3 6.6 9.8#
68 6.5 5.0 7.4

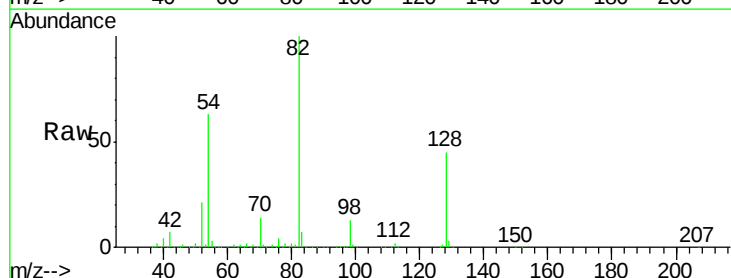


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

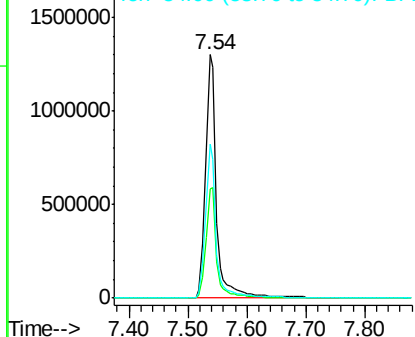
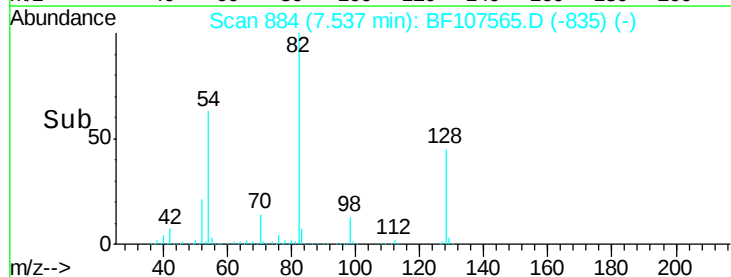


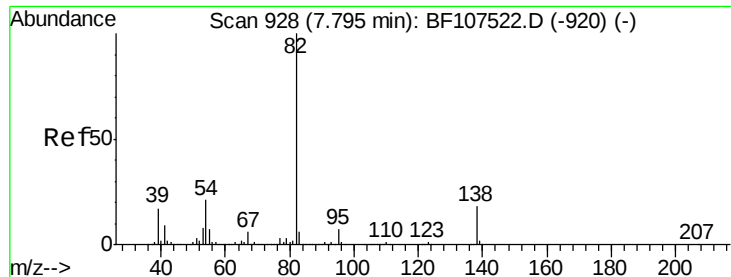
#23
Nitrobenzene-d5
Concen: 102.360 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Tgt Ion: 82 Resp: 1710516
Ion Ratio Lower Upper
82 100
128 44.8 36.1 54.1
54 63.2 41.4 62.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.940 ng

RT: 7.54 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-S

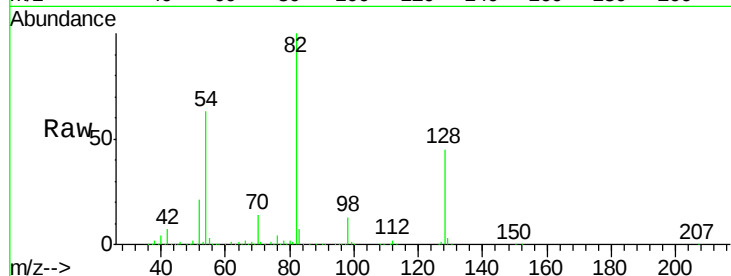
Tgt Ion: 82 Resp: 1710505

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

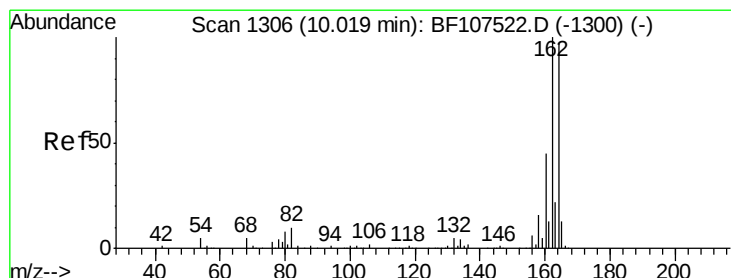
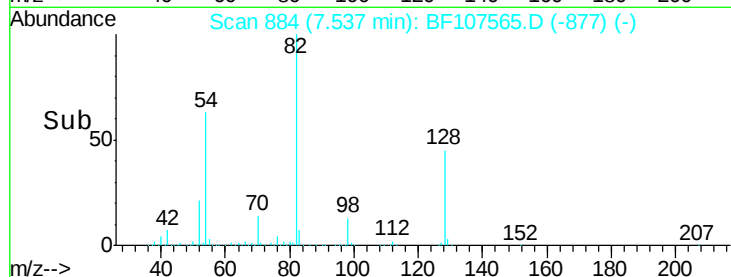
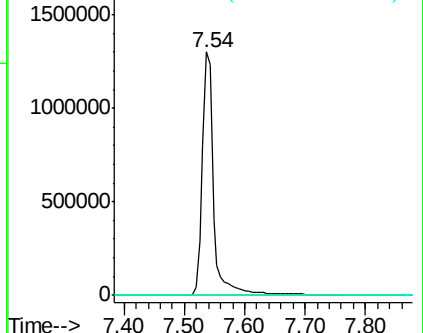
138 0.0 14.9 22.3#



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# 1305

Delta R.T. -0.01 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

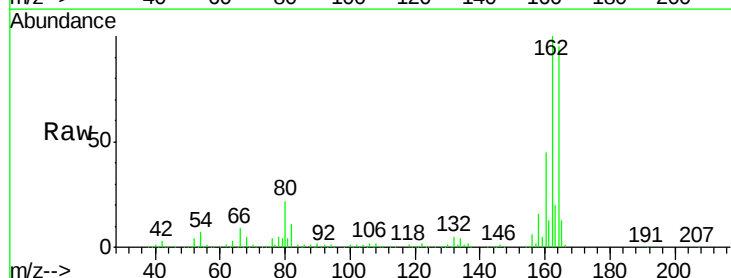
Tgt Ion: 164 Resp: 398769

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

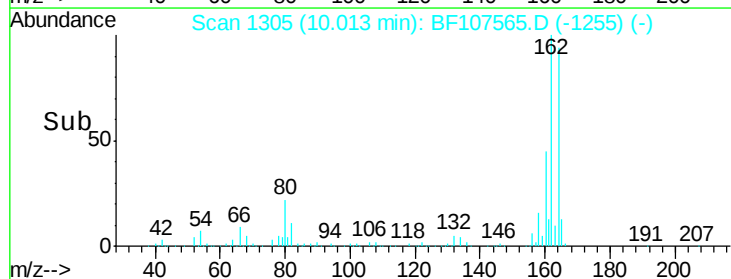
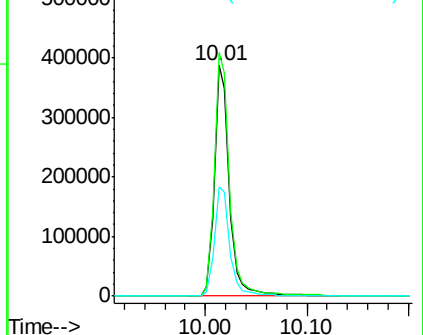
160 47.2 38.3 57.5

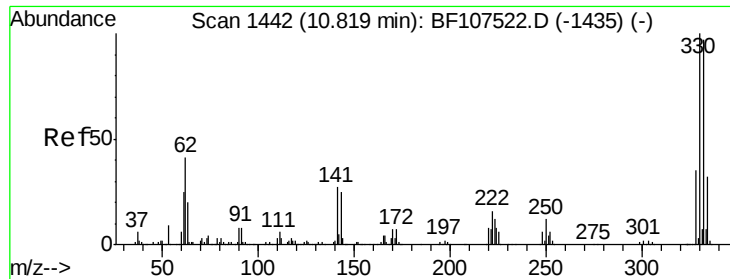


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

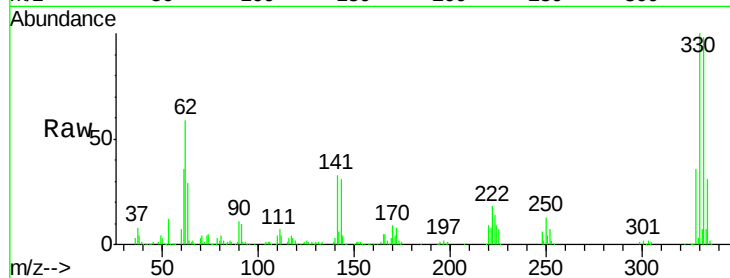




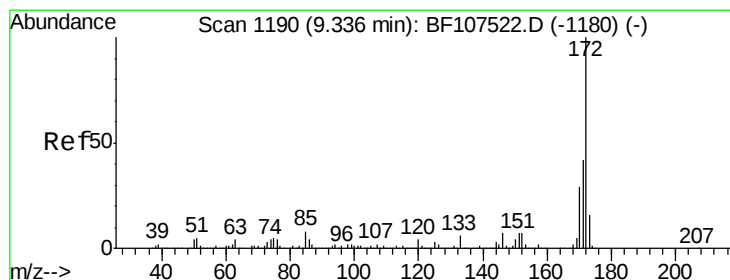
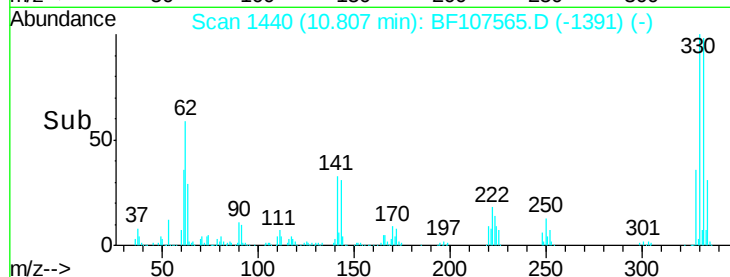
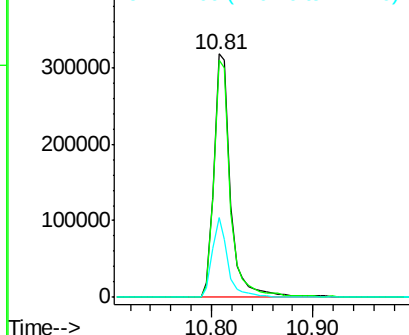
#41
 2,4,6-Tribromophenol
 Concen: 80.453 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107565.D
 Acq: 21 Jul 2018 10:17

Instrument :
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Tgt Ion:330 Resp: 364823
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 31.1 29.9 44.9

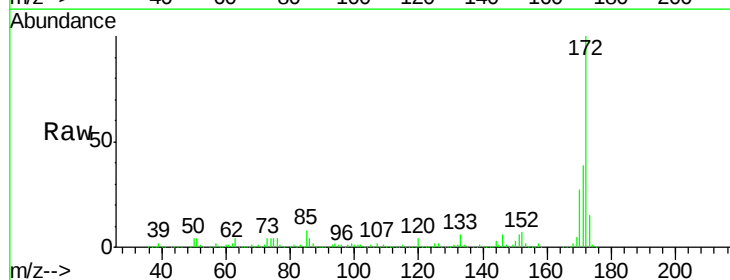


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

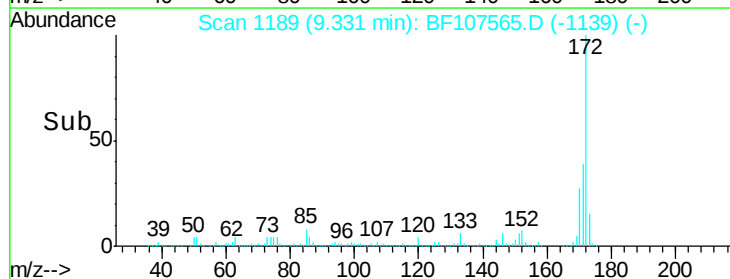
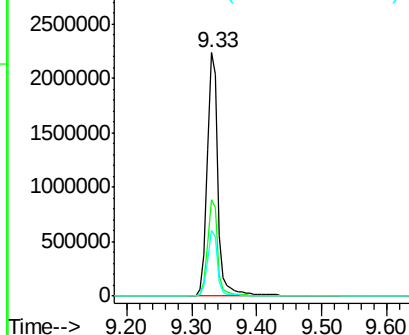


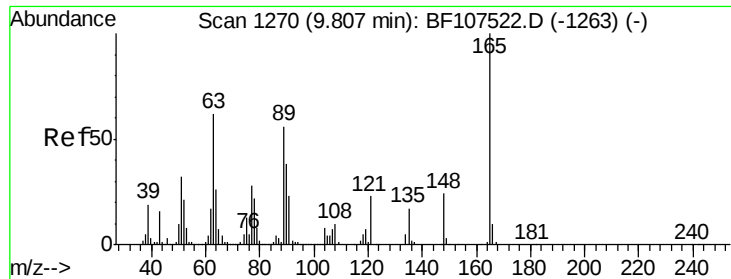
#44
 2-Fluorobiphenyl
 Concen: 126.578 ng
 RT: 9.33 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF107565.D
 Acq: 21 Jul 2018 10:17

Tgt Ion:172 Resp: 2583107
 Ion Ratio Lower Upper
 172 100
 171 39.4 29.7 44.5
 170 27.2 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

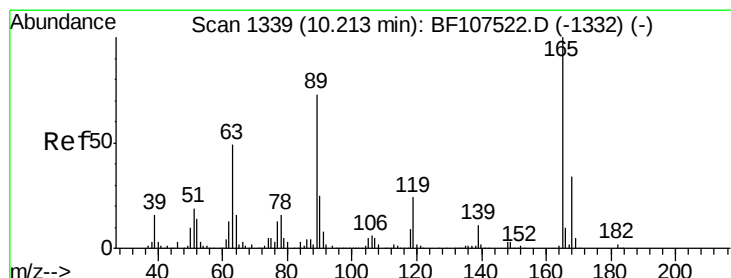
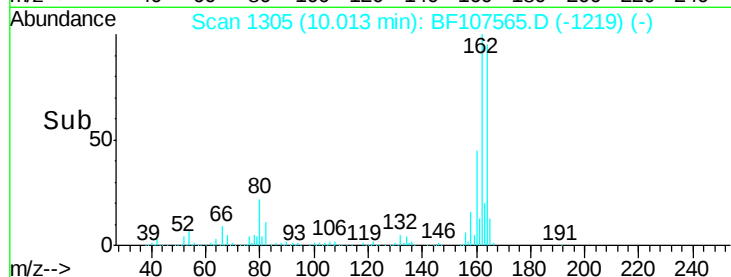
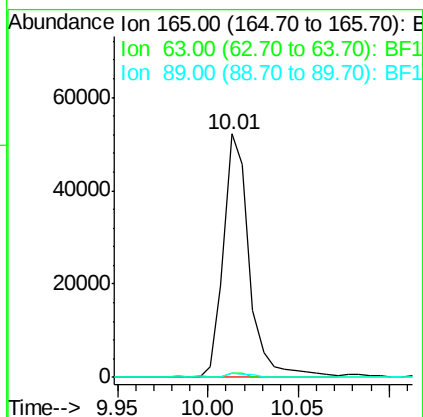
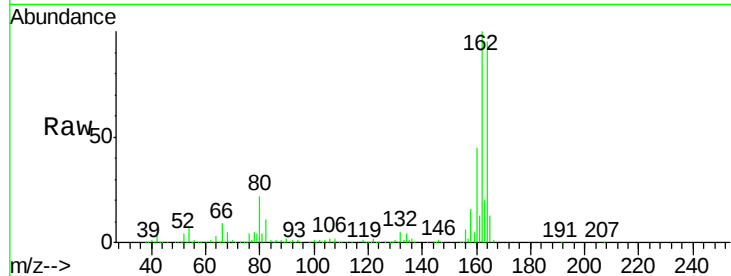




#50
2,6-Dinitrotoluene
Concen: 8.726 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

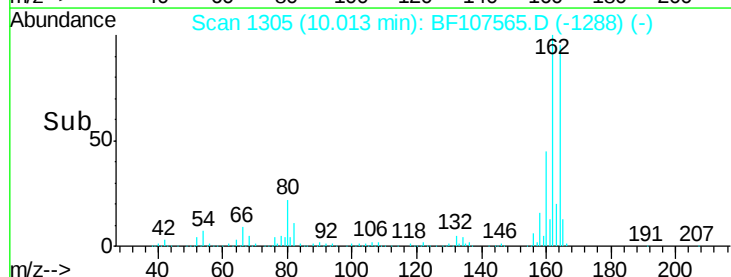
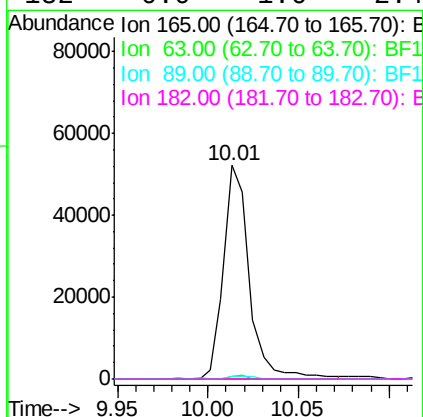
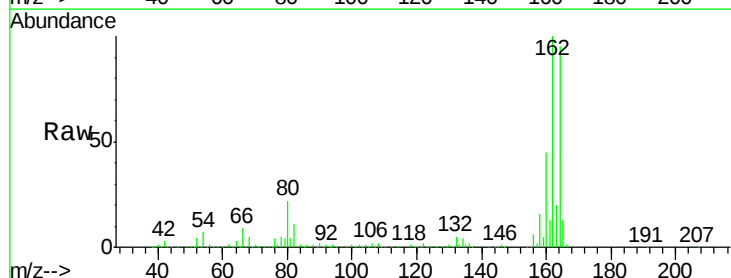
Instrument :
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071718-TIPC-F-D-S

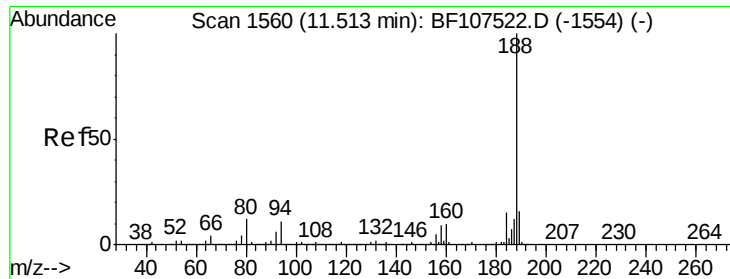
Tgt Ion:165 Resp: 52065
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.5 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 7.229 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Tgt Ion:165 Resp: 52065
Ion Ratio Lower Upper
165 100
63 1.5 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-S

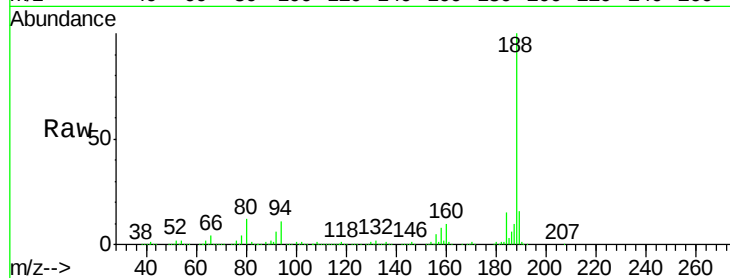
Tgt Ion:188 Resp: 682201

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

80 12.0 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

11.51

800000

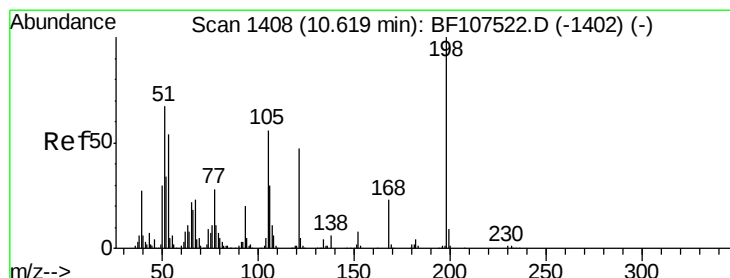
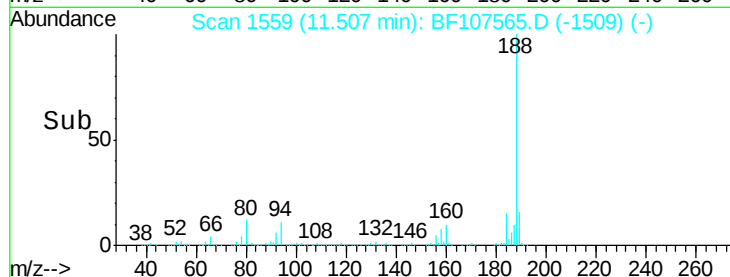
600000

400000

200000

0

Time--> 11.40 11.50 11.60 11.70



#64

4,6-Dinitro-2-methylphenol

Concen: 8.845 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

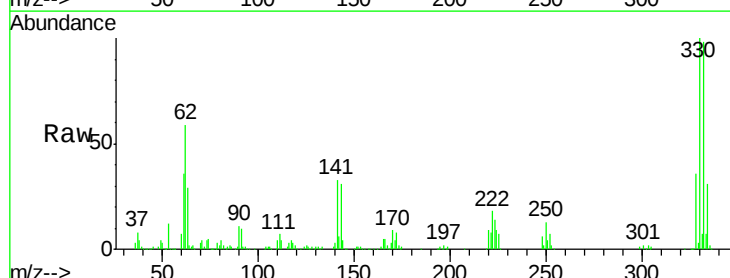
Tgt Ion:198 Resp: 662

Ion Ratio Lower Upper

198 100

51 167.1 37.7 77.7#

105 196.2 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

2000

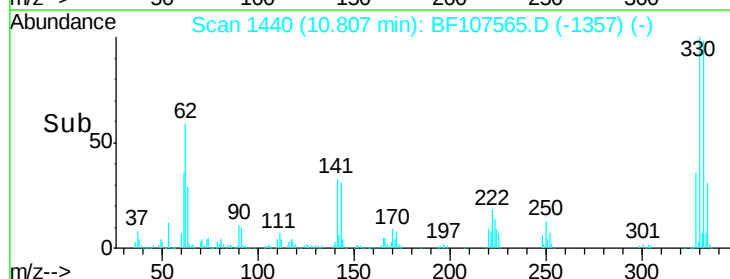
1500

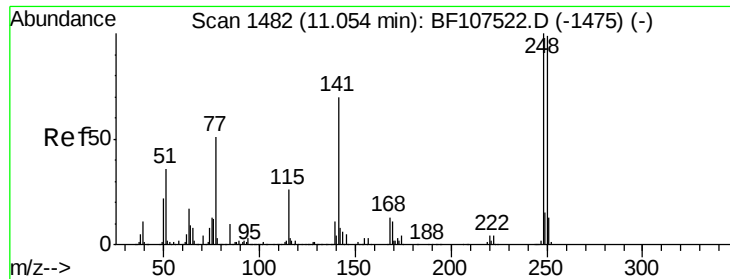
1000

500

0

Time--> 10.78 10.80 10.82

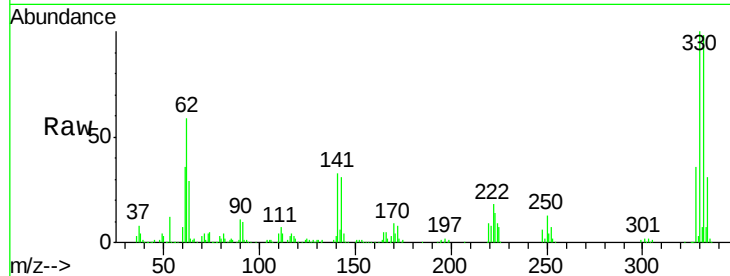




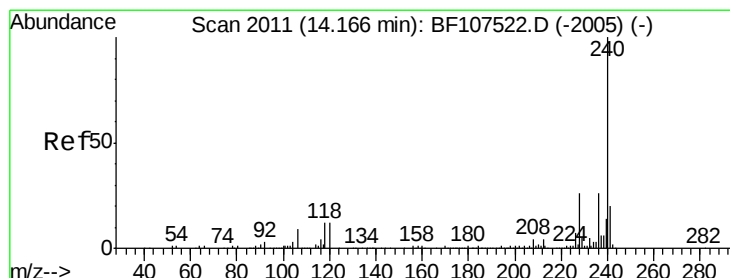
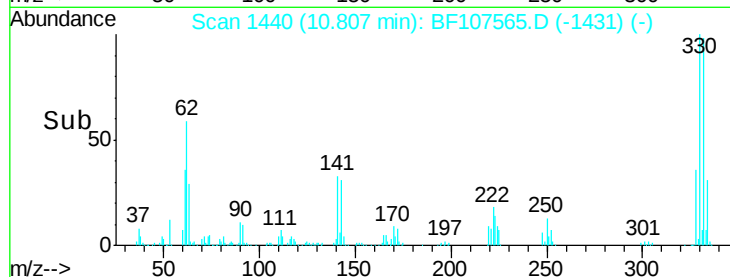
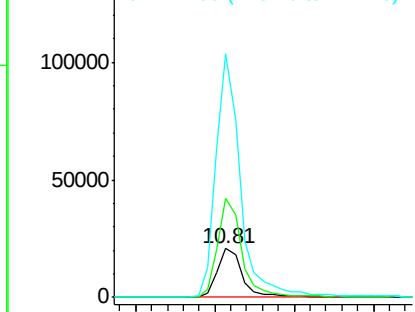
#66
4-Bromophenyl-phenylether
Concen: 2.863 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Instrument :
BNA_F
ClientSampleId :
071718-TIPC-F-D-S

Tgt Ion:248 Resp: 22991
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 501.7 74.4 111.6#

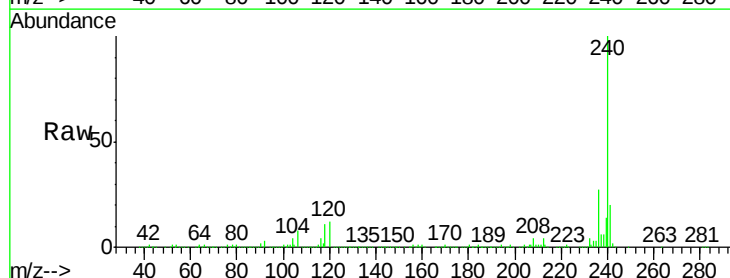


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

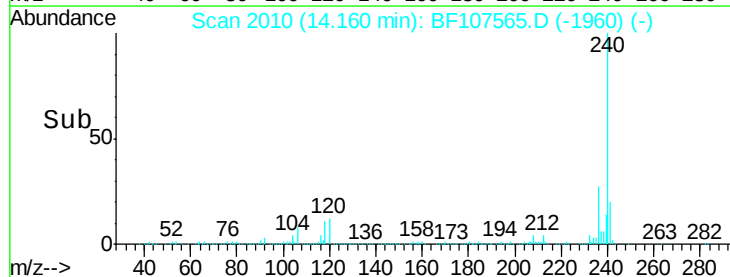
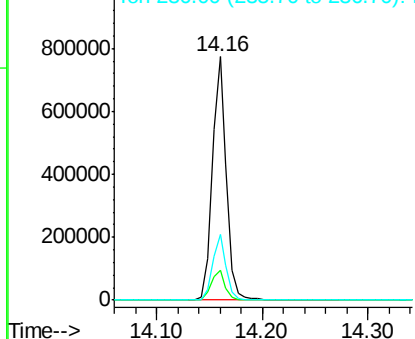


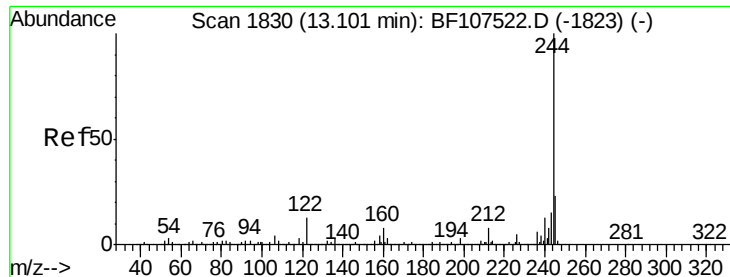
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107565.D
Acq: 21 Jul 2018 10:17

Tgt Ion:240 Resp: 718522
Ion Ratio Lower Upper
240 100
120 12.2 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





#78

Terphenyl-d14

Concen: 76.170 ng

RT: 13.10 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

Instrument :

BNA_F

ClientSampleId :

071718-TIPC-F-D-S

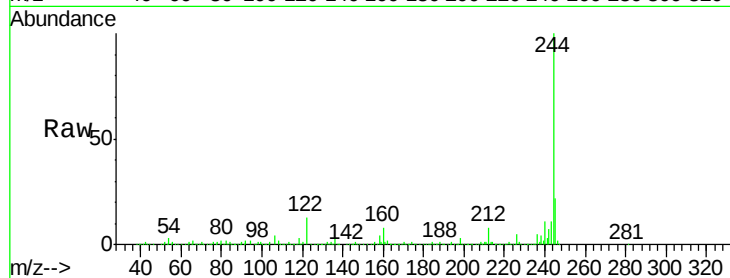
Tgt Ion:244 Resp: 2137819

Ion Ratio Lower Upper

244 100

212 7.6 5.4 8.0

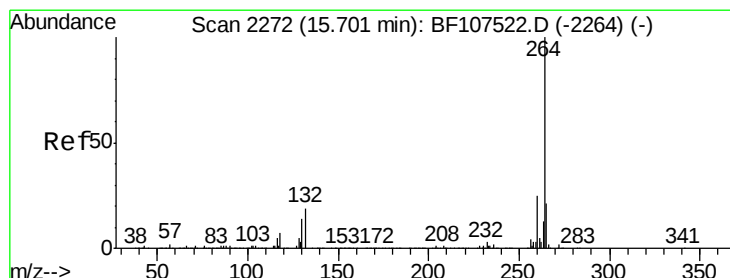
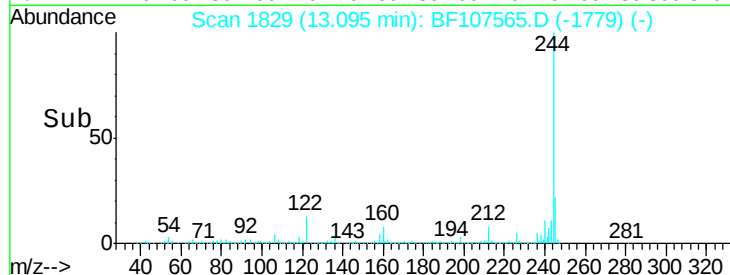
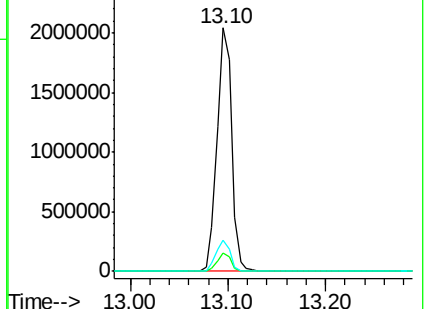
122 13.0 11.0 16.4



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# 2271

Delta R.T. -0.01 min

Lab File: BF107565.D

Acq: 21 Jul 2018 10:17

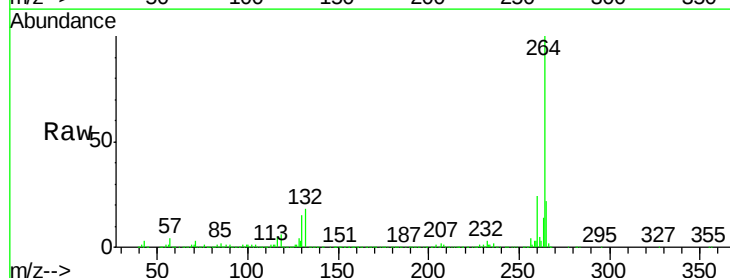
Tgt Ion:264 Resp: 571199

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.9 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

