

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107785.D
 Acq On : 28 Jul 2018 9:36
 Operator : JU/SJ
 Sample : J4199-06
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-A10

Quant Time: Jul 30 01:35:54 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	141827	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	545734	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	216797	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	393095	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	409009	20.00	ng	-0.02
86) Perylene-d12	15.68	264	335257	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	405308	45.95	ng	-0.01
7) Phenol-d6	6.60	99	369409	34.88	ng	-0.01
23) Nitrobenzene-d5	7.53	82	813129	100.55	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	314403	127.53	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1476077	138.08	ng	-0.02
78) Terphenyl-d14	13.08	244	1324327	82.89	ng	-0.02

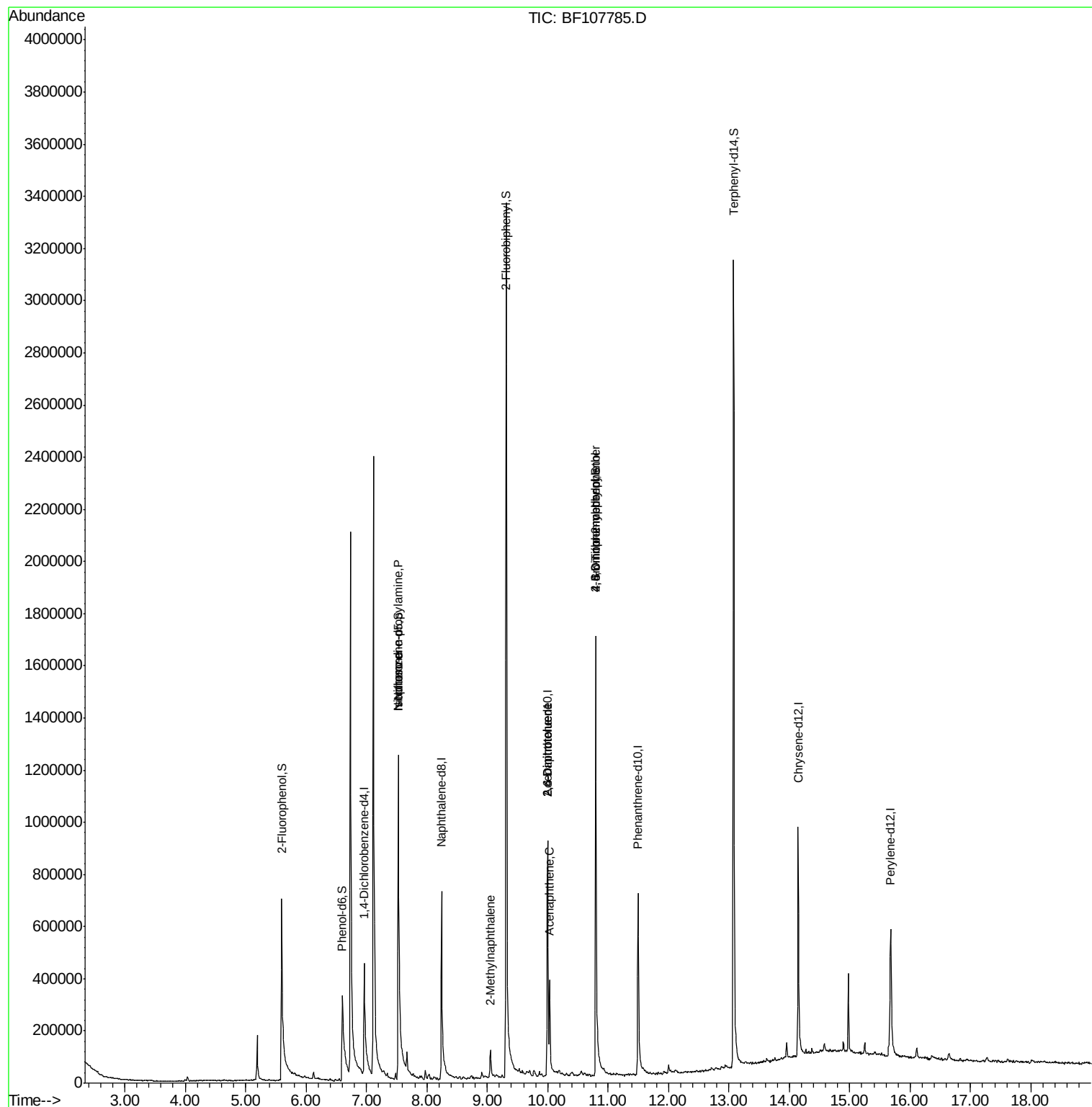
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	97043	14.182	ng	# 77
25) Isophorone	7.53	82	814643	47.182	ng	# 64
37) 2-Methylnaphthalene	9.05	142	36286	2.182	ng	# 96
50) 2,6-Dinitrotoluene	10.00	165	27616	8.513	ng	# 25
51) Acenaphthene	10.03	154	92981	6.843	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	28006	7.152	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.80	198	426	8.865	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18026	3.896	ng	# 1
73) Di-n-butylphthalate	12.04	149	1399	Below Cal		# 41
81) 3,3'-Dichlorobenzidine	13.95	252	113	Below Cal		# 1

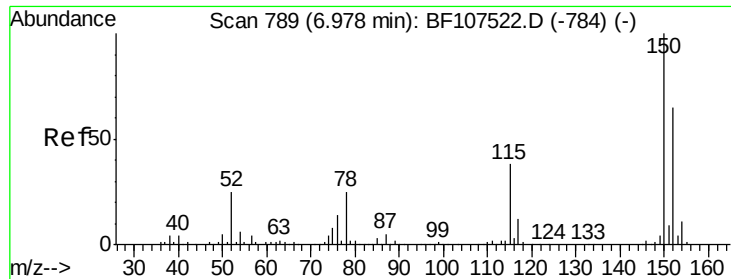
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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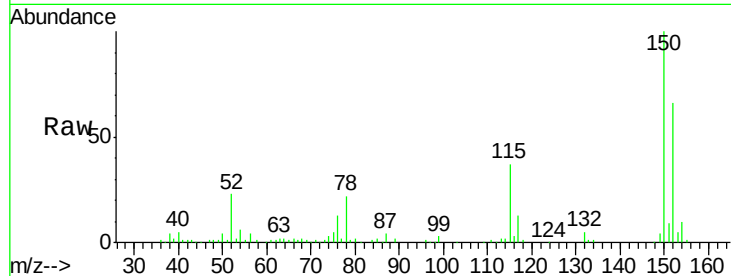


#1

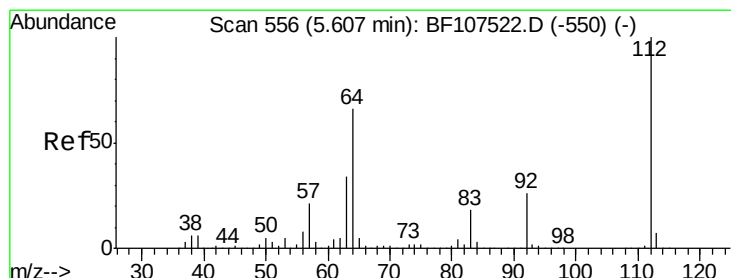
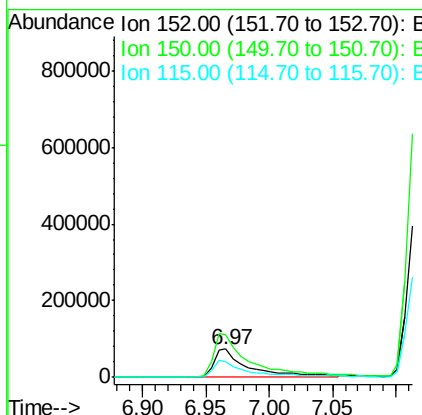
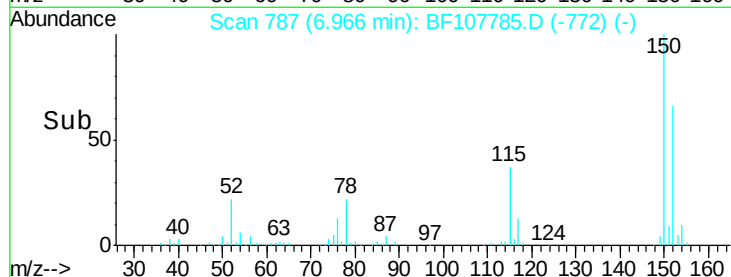
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Instrument :
BNA_F
ClientSampleId :
MW-A10

Tgt Ion:152 Resp: 141827
Ion Ratio Lower Upper
152 100
150 150.6 124.6 186.8
115 55.5 50.1 75.1



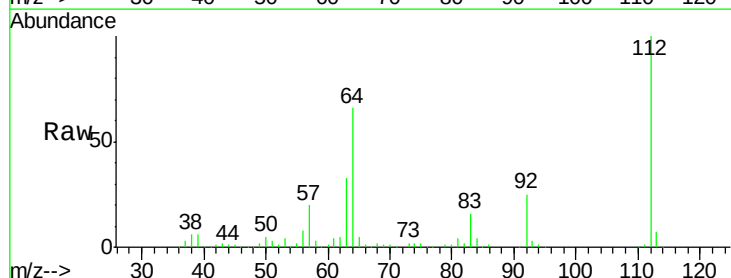
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



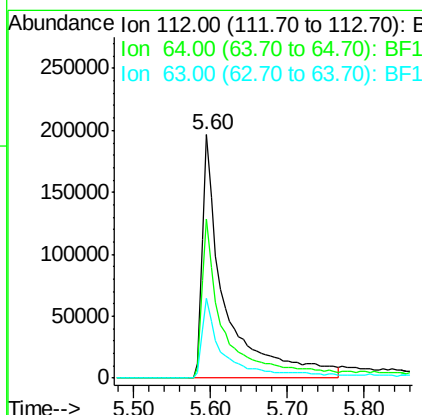
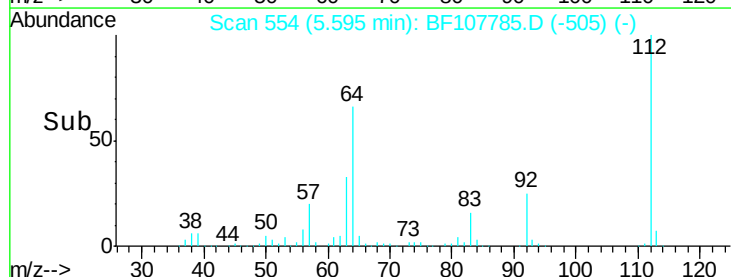
#5

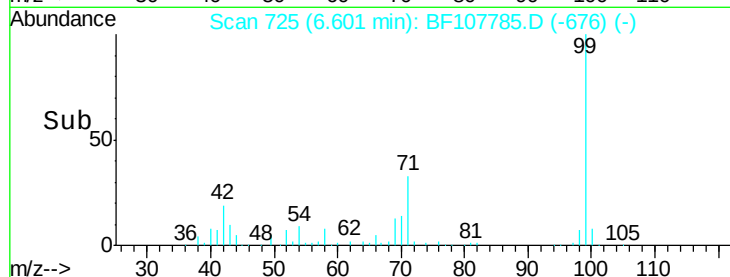
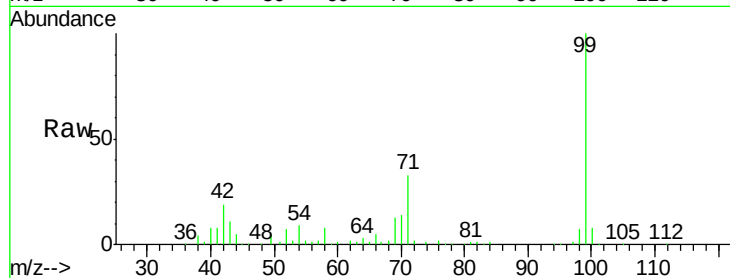
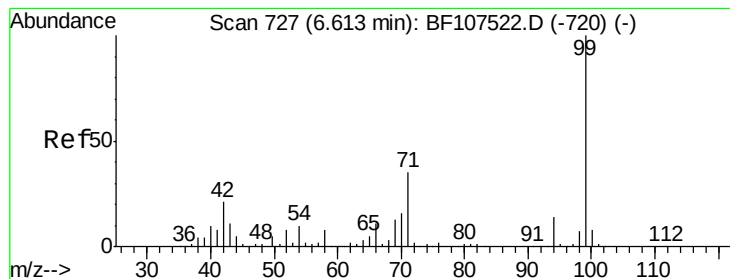
2-Fluorophenol
Concen: 45.947 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Tgt Ion:112 Resp: 405308
Ion Ratio Lower Upper
112 100
64 65.6 47.9 71.9
63 32.5 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: 34.877 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Instrument :

BNA_F

ClientSampleId :

MW-A10

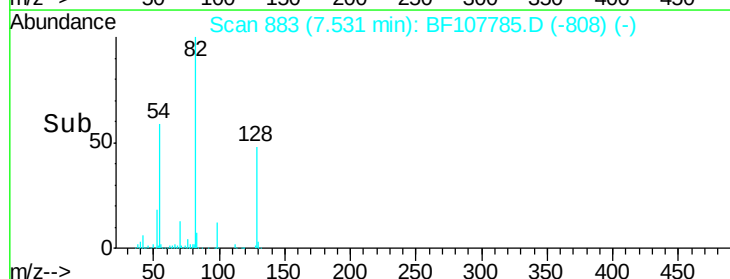
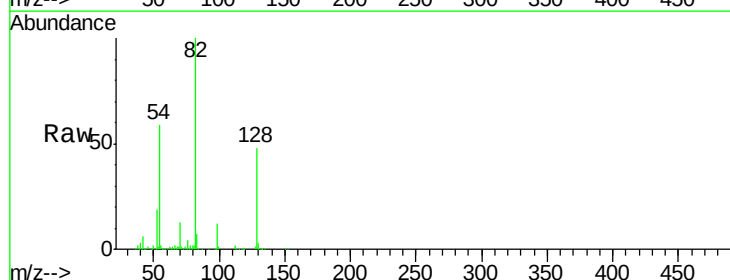
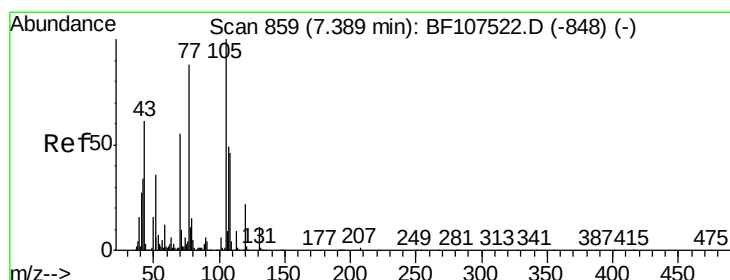
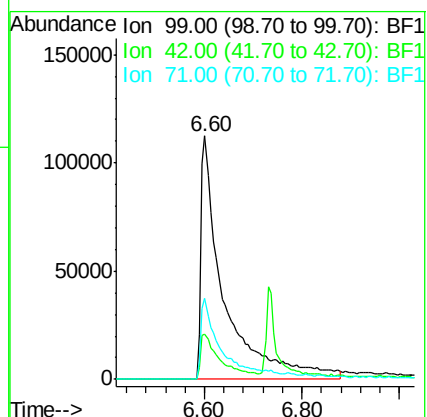
Tgt Ion: 99 Resp: 369409

Ion Ratio Lower Upper

99 100

42 18.7 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.182 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Tgt Ion: 70 Resp: 97043

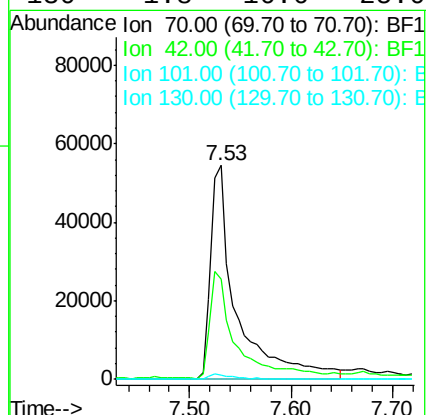
Ion Ratio Lower Upper

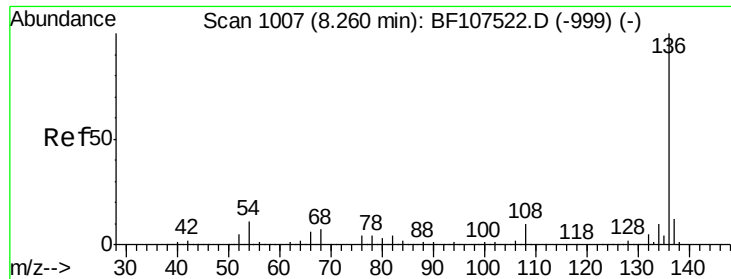
70 100

42 46.6 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

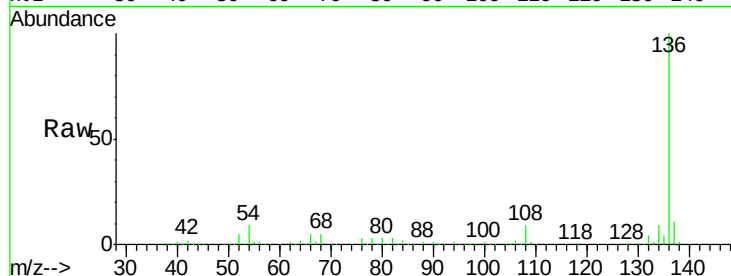




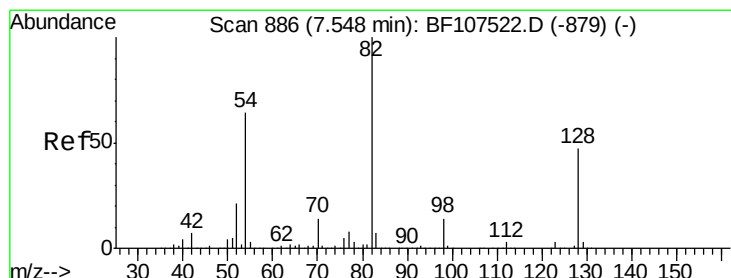
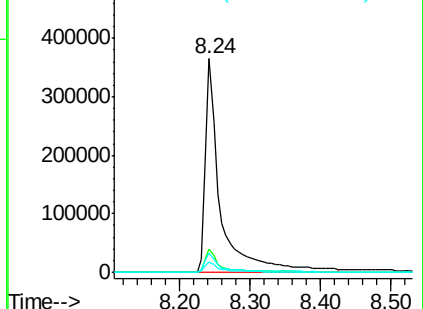
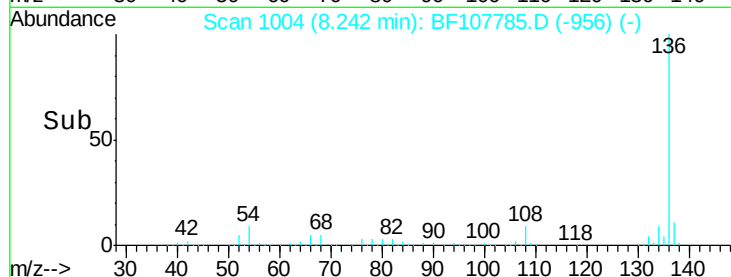
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Instrument :
BNA_F
ClientSampleId :
MW-A10

Tgt Ion:	136	Resp:	545734
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	6.6	9.8
68	5.1	5.0	7.4

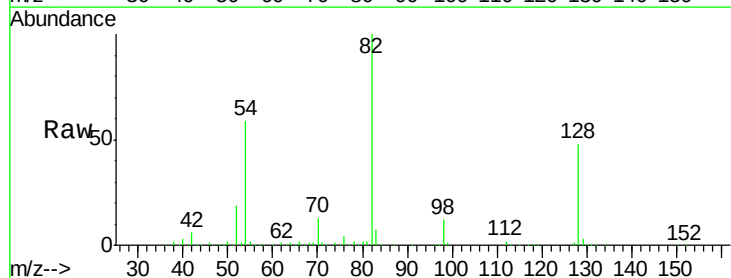


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

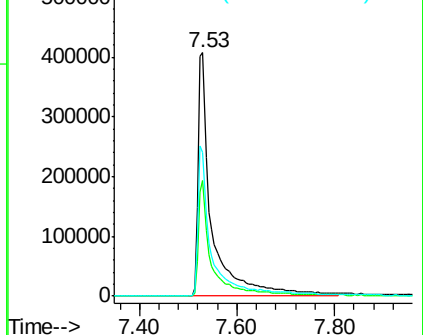
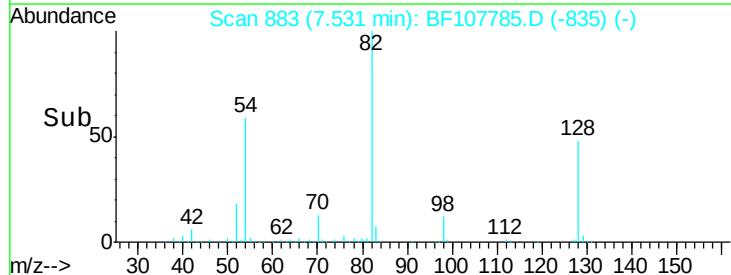


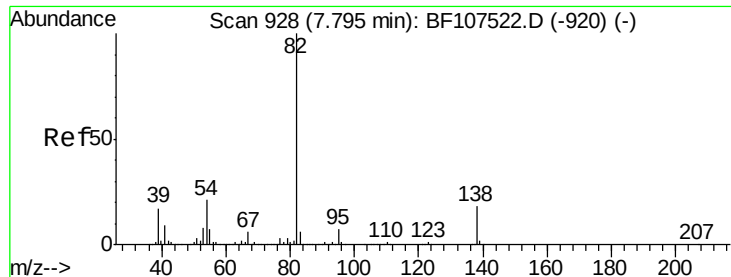
#23
Nitrobenzene-d5
Concen: 100.555 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Tgt Ion:	82	Resp:	813129
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	59.2	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

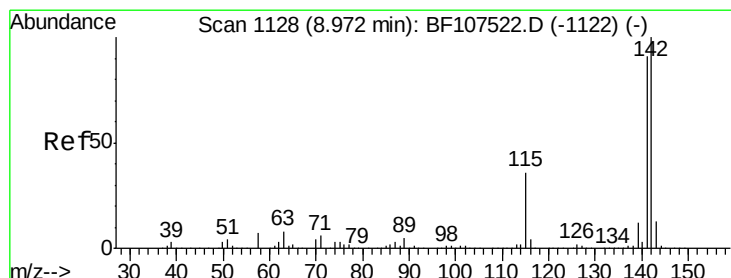
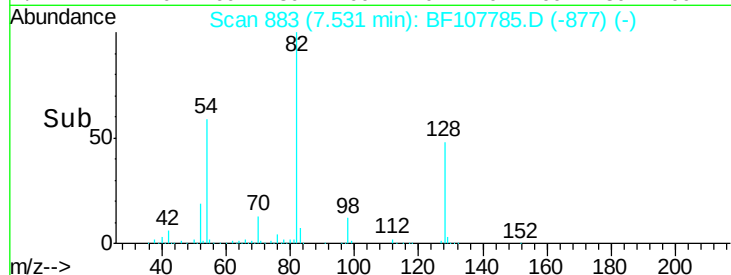
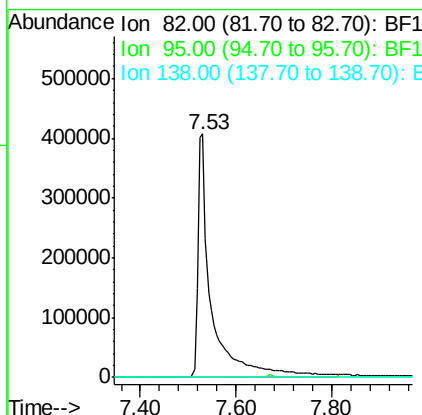
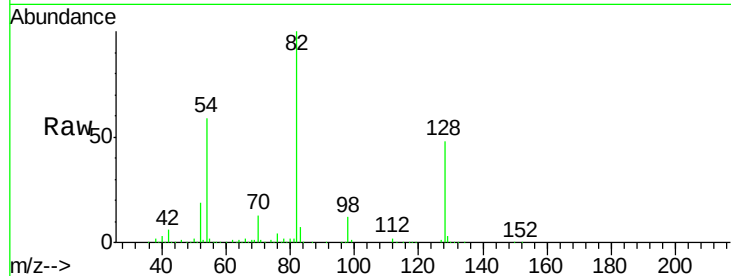




#25
Isophorone
Concen: 47.182 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

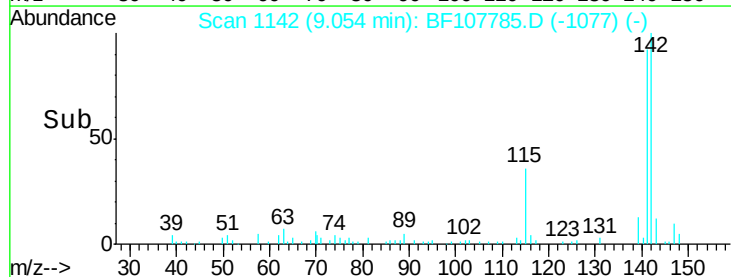
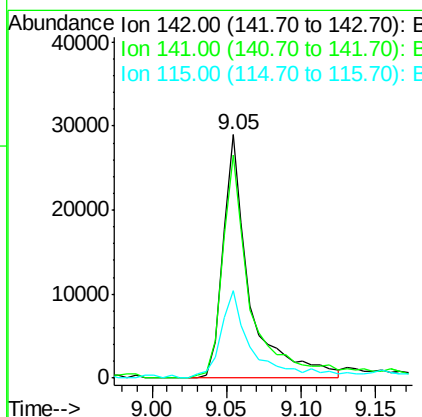
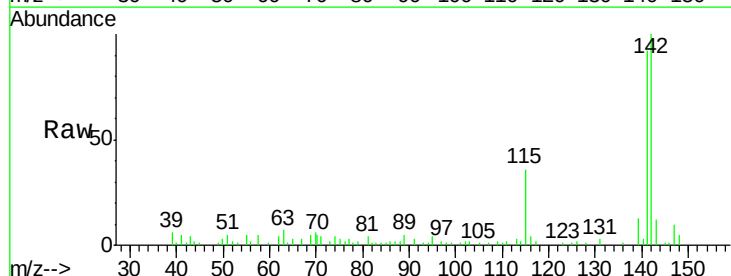
Instrument :
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ClientSampleId :
MW-A10

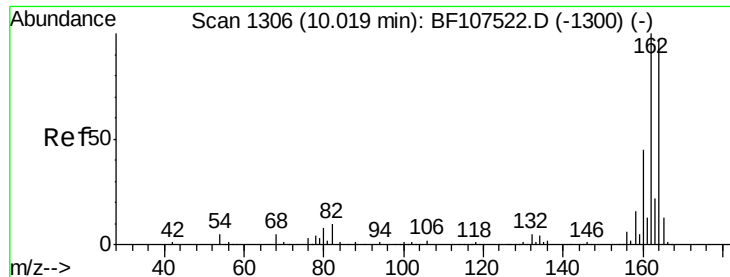
Tgt Ion: 82 Resp: 814643
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#37
2-Methylnaphthalene
Concen: 2.182 ng
RT: 9.05 min Scan# 1142
Delta R.T. 0.08 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Tgt Ion: 142 Resp: 36286
Ion Ratio Lower Upper
142 100
141 91.8 70.8 106.2
115 36.1 26.1 39.1

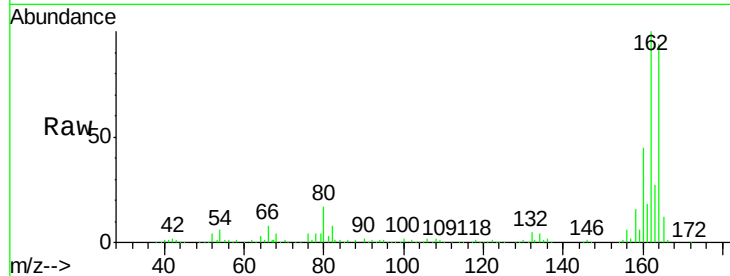




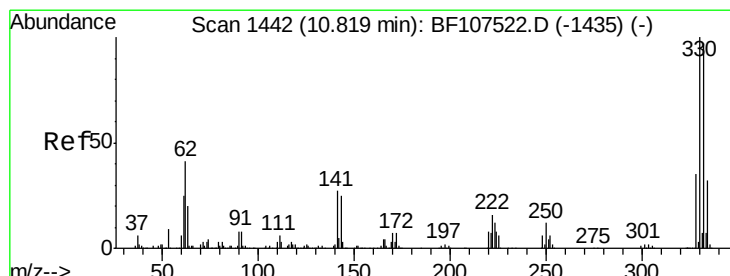
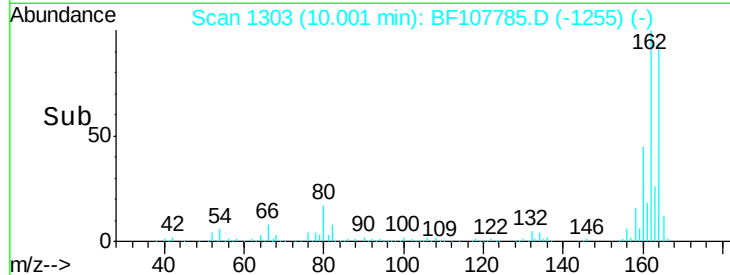
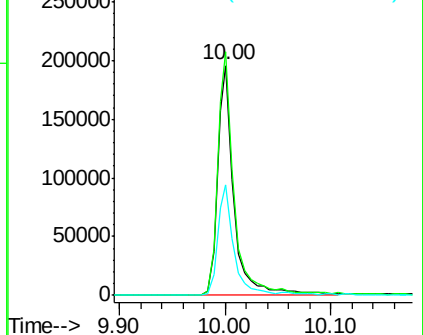
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107785.D
 Acq: 28 Jul 2018 9:36

Instrument :
 BNA_F
 ClientSampleId :
 MW-A10

Tgt Ion:164 Resp: 216797
 Ion Ratio Lower Upper
 164 100
 162 105.9 86.1 129.1
 160 48.0 38.3 57.5

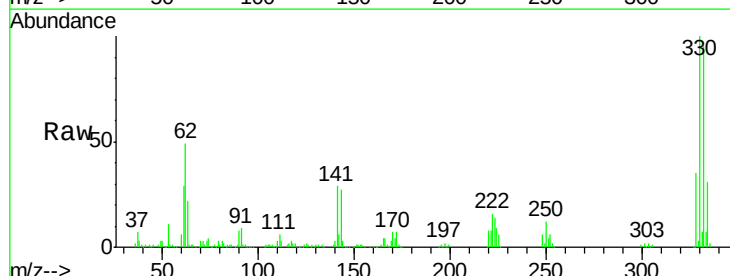


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

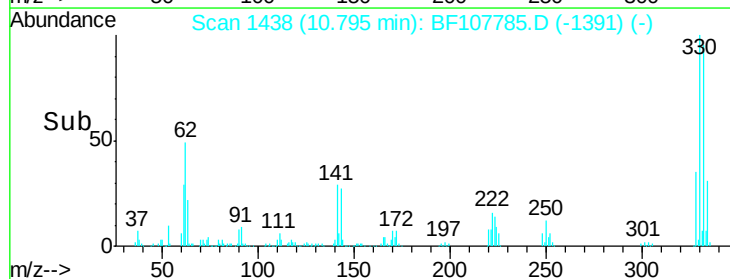
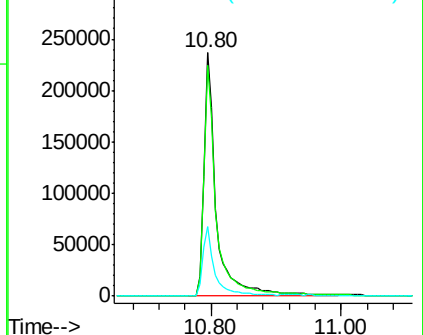


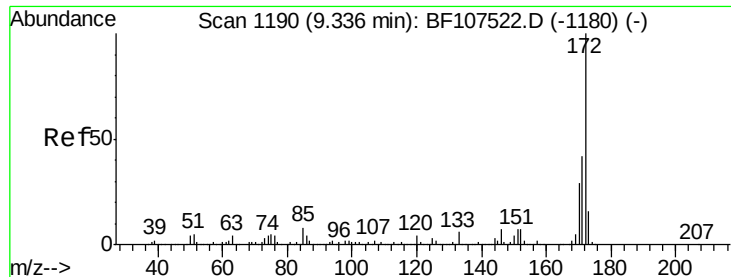
#41
 2,4,6-Tribromophenol
 Concen: 127.530 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107785.D
 Acq: 28 Jul 2018 9:36

Tgt Ion:330 Resp: 314403
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 28.0 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



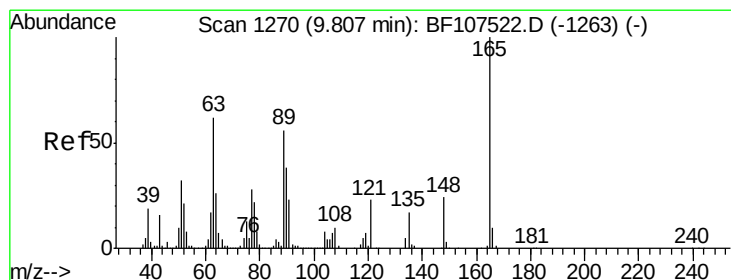
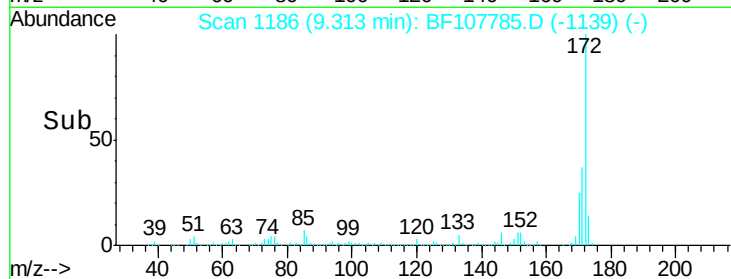
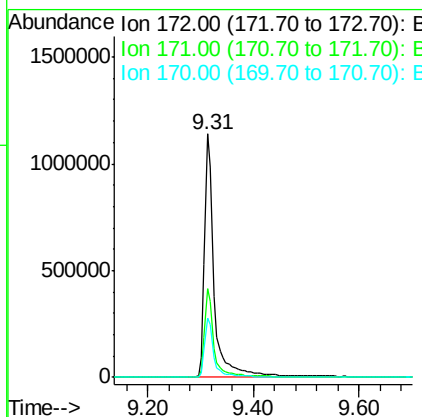
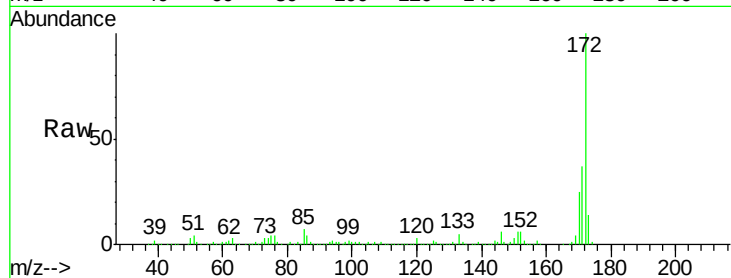


#44
 2-Fluorobiphenyl
 Concen: 138.084 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107785.D
 Acq: 28 Jul 2018 9:36

Instrument :
 BNA_F
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 MW-A10

Tgt Ion:172 Resp: 1476077

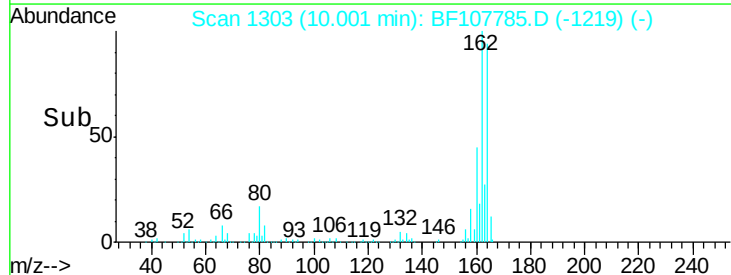
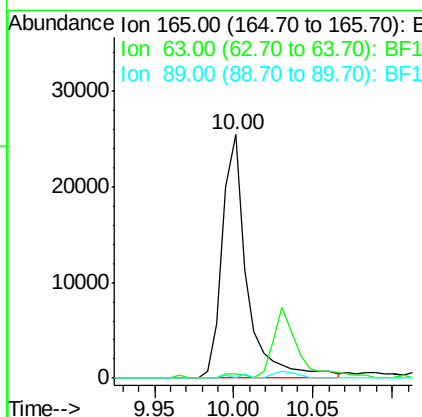
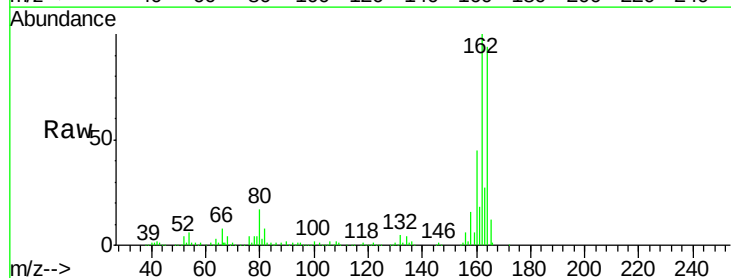
Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.5	19.6	29.4

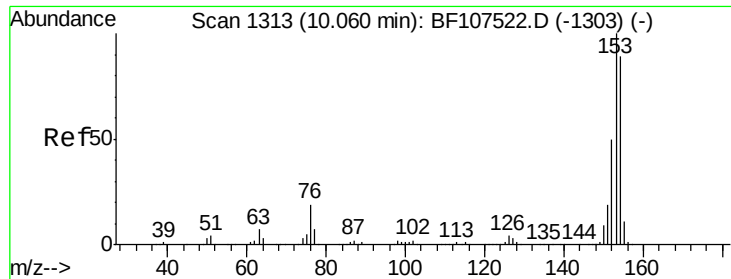


#50
 2,6-Dinitrotoluene
 Concen: 8.513 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.19 min
 Lab File: BF107785.D
 Acq: 28 Jul 2018 9:36

Tgt Ion:165 Resp: 27616

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	0.0	44.0	66.0#





#51

Acenaphthene

Concen: 6.843 ng

RT: 10.03 min Scan# 1308

Delta R.T. -0.03 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Instrument :

BNA_F

ClientSampleId :

MW-A10

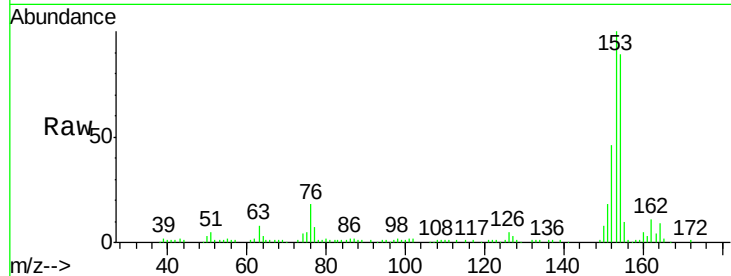
Tgt Ion:154 Resp: 92981

Ion Ratio Lower Upper

154 100

153 112.8 91.2 136.8

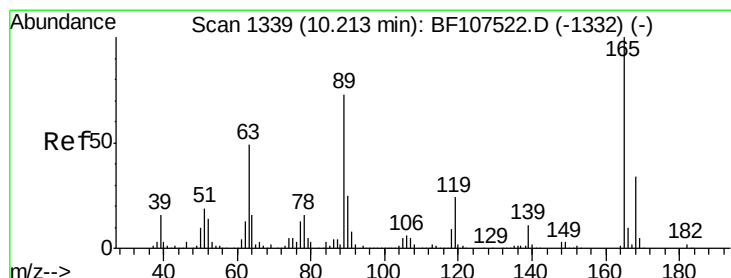
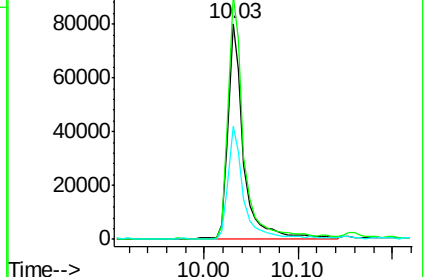
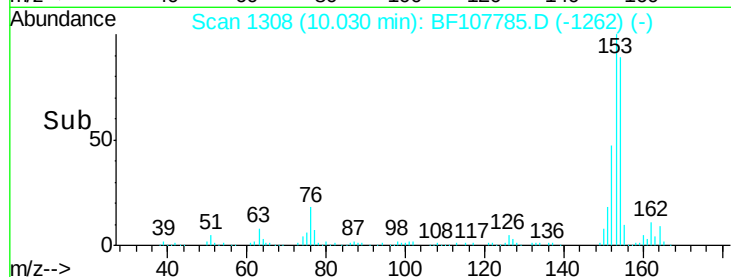
152 52.3 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 7.152 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Tgt Ion:165 Resp: 28006

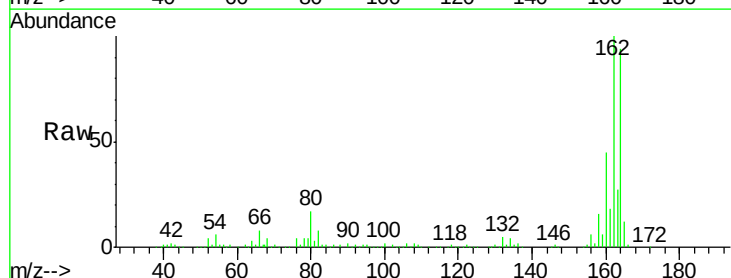
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

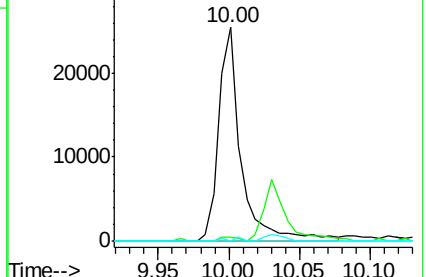
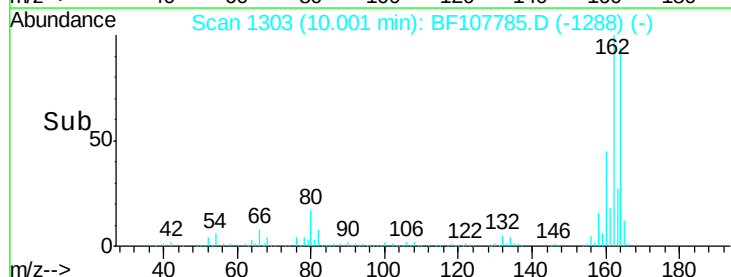


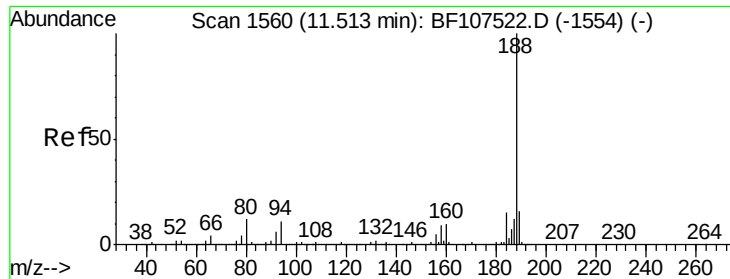
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1557

Delta R.T. -0.02 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Instrument :

BNA_F

ClientSampleId :

MW-A10

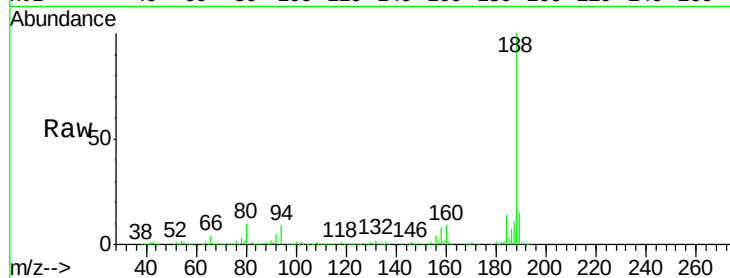
Tgt Ion:188 Resp: 393095

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

80 10.1 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

11.50

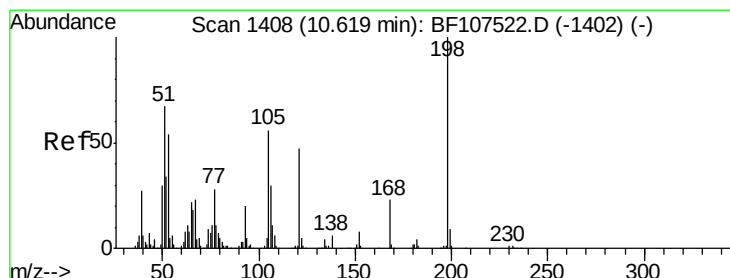
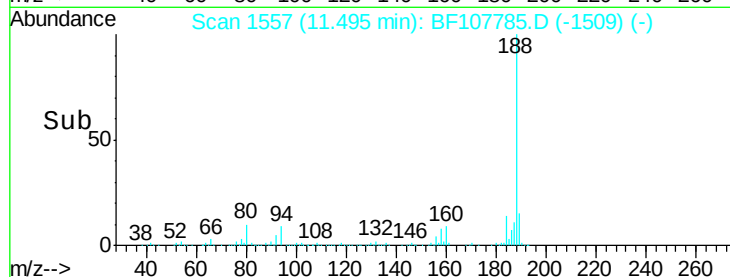
300000

200000

100000

0

Time--> 11.40 11.50 11.60 11.70



#64

4,6-Dinitro-2-methylphenol

Concen: 8.865 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

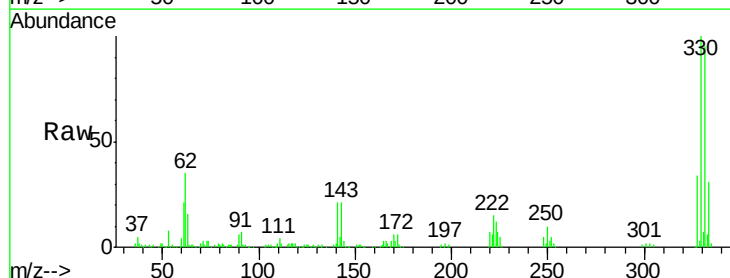
Tgt Ion:198 Resp: 426

Ion Ratio Lower Upper

198 100

51 187.1 37.7 77.7#

105 219.9 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

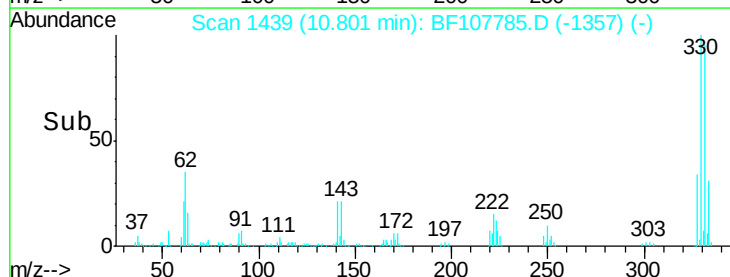
1500

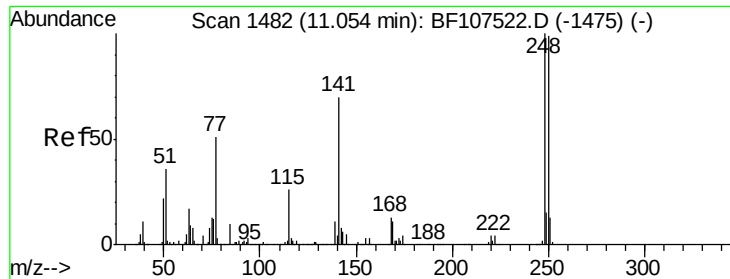
1000

500

0

Time--> 10.76 10.78 10.80 10.82

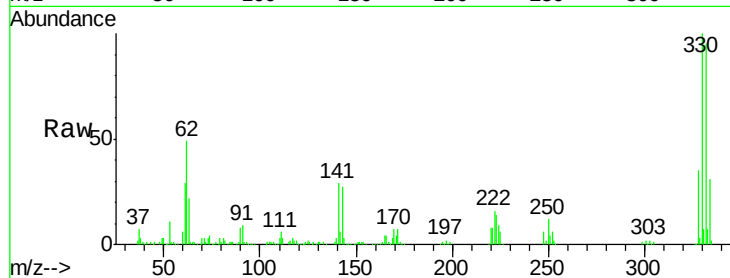




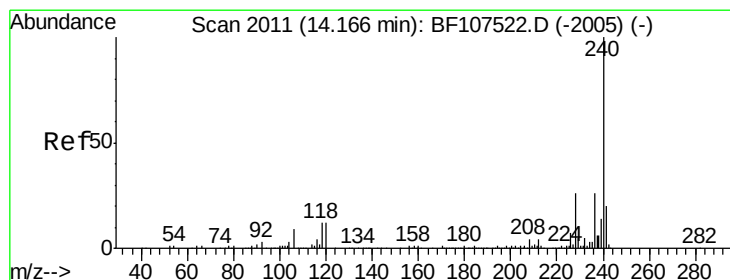
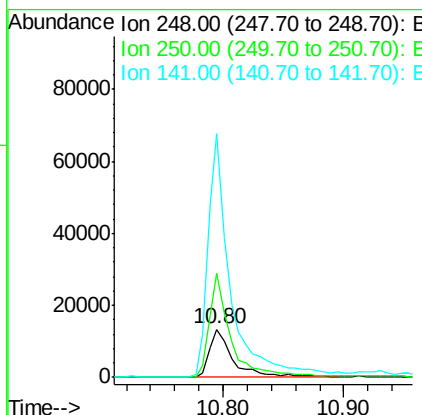
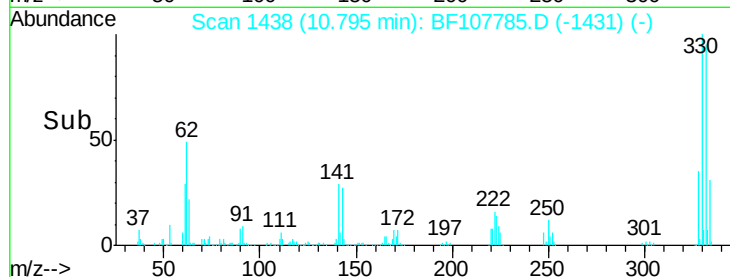
#66
4-Bromophenyl-phenylether
Concen: 3.896 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.26 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Instrument :
BNA_F
ClientSampleId :
MW-A10

Tgt Ion:248 Resp: 18026
Ion Ratio Lower Upper
248 100
250 216.6 76.9 115.3#
141 505.6 74.4 111.6#

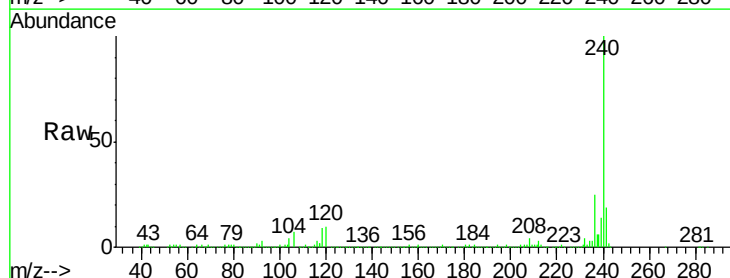


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

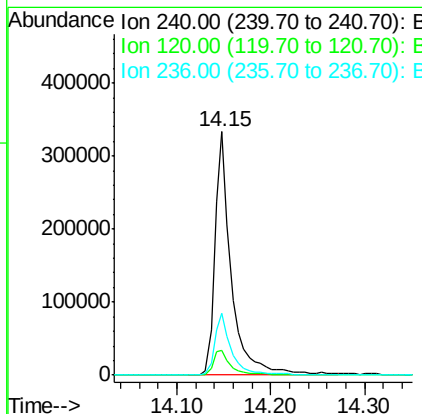
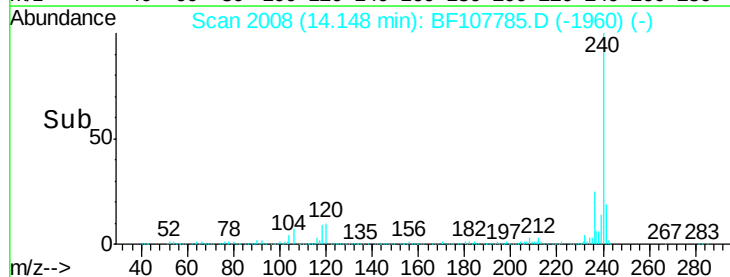


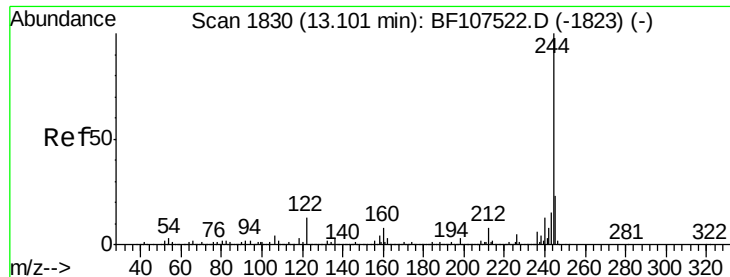
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF107785.D
Acq: 28 Jul 2018 9:36

Tgt Ion:240 Resp: 409009
Ion Ratio Lower Upper
240 100
120 10.4 9.5 14.3
236 25.4 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: 82.893 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

Instrument :

BNA_F

ClientSampleId :

MW-A10

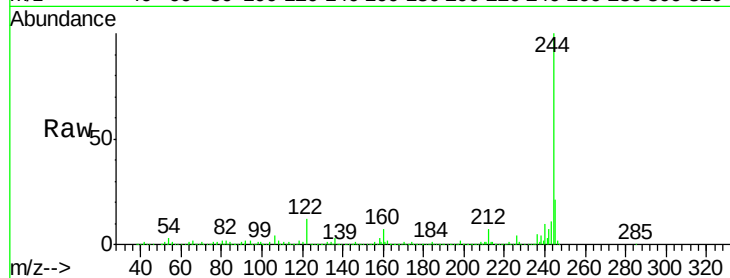
Tgt Ion:244 Resp: 1324327

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

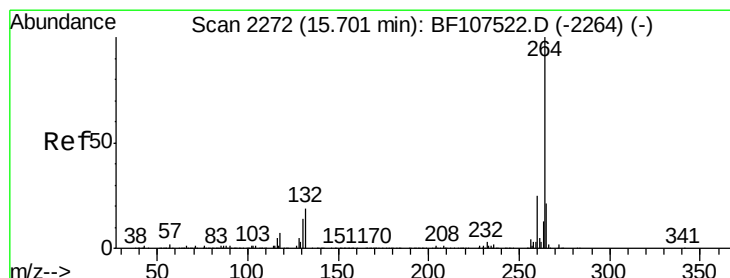
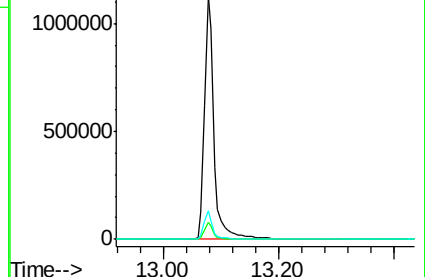
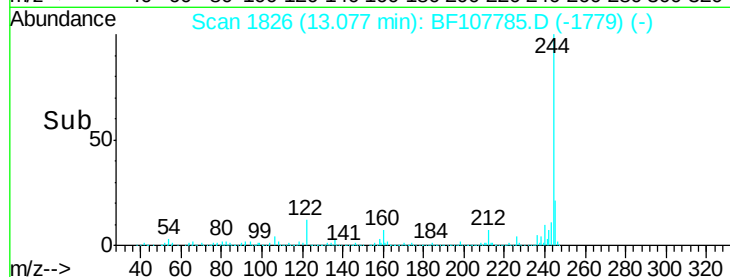
122 11.8 11.0 16.4



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: 15.68 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF107785.D

Acq: 28 Jul 2018 9:36

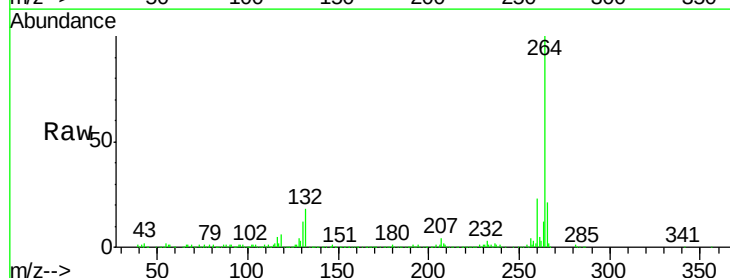
Tgt Ion:264 Resp: 335257

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.3 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

