

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107823.D
 Acq On : 31 Jul 2018 1:40
 Operator : JU/SJ
 Sample : J4210-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 02:09:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

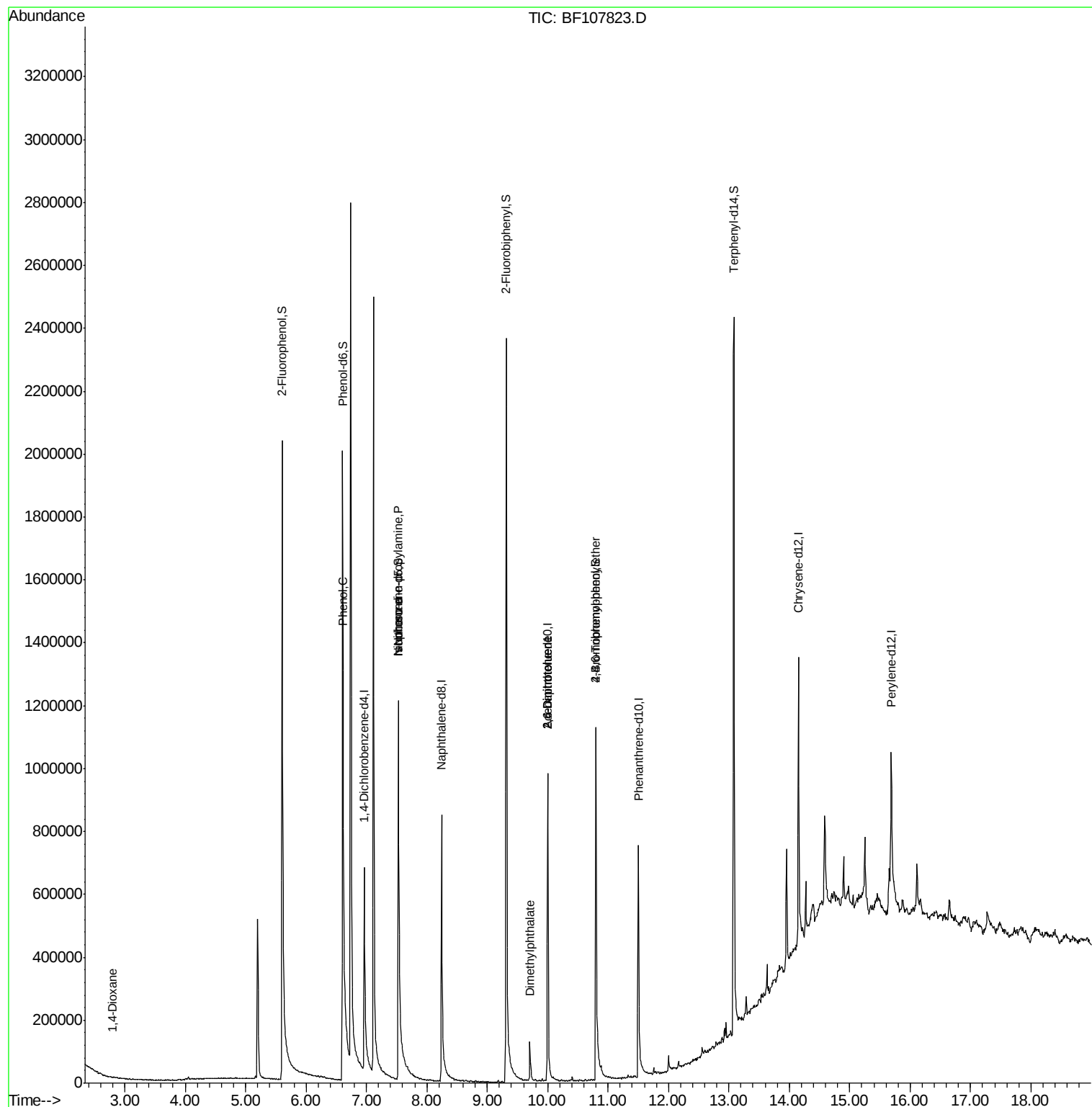
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	165180	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	648545	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	229032	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	412843	20.00	ng	0.00
75) Chrysene-d12	14.15	240	462367	20.00	ng	0.00
86) Perylene-d12	15.69	264	329708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	996169	102.50	ng	0.01
7) Phenol-d6	6.61	99	1166569	91.07	ng	0.00
23) Nitrobenzene-d5	7.53	82	765317	67.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	224410	72.11	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1079744	65.69	ng	0.00
78) Terphenyl-d14	13.08	244	1011131	47.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.80	88	359	5.863	ng	# 20
10) Phenol	6.62	94	49596	3.247	ng	# 40
19) n-Nitroso-di-n-propylamine	7.53	70	89952	11.070	ng	# 78
25) Isophorone	7.53	82	778826	42.147	ng	# 64
49) Dimethylphthalate	9.71	163	70365	4.091	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	29194	7.810	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	29377	5.979	ng	# 23
66) 4-Bromophenyl-phenylether	10.80	248	13016	2.705	ng	# 1

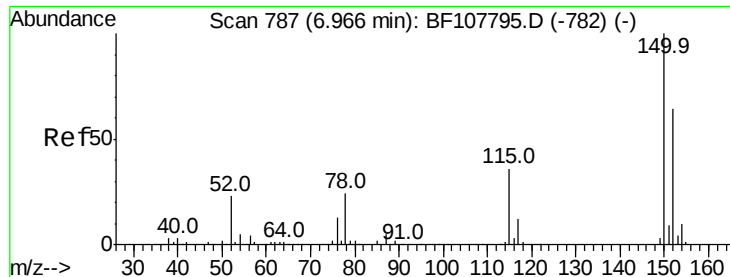
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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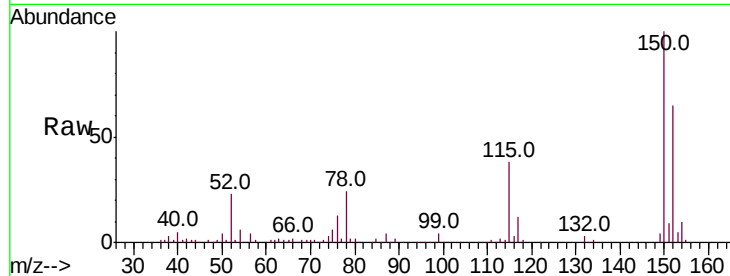


#1

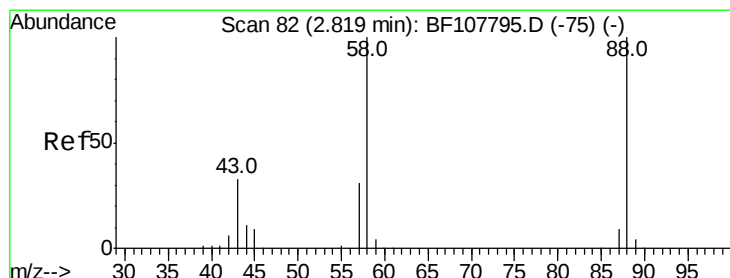
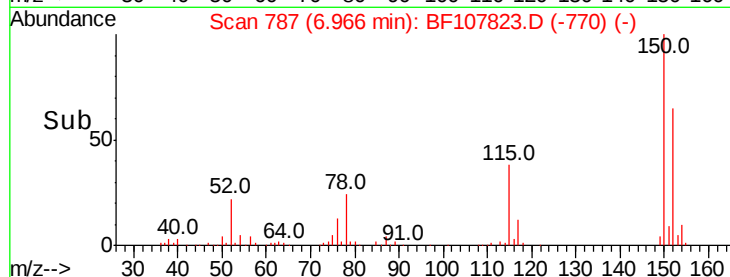
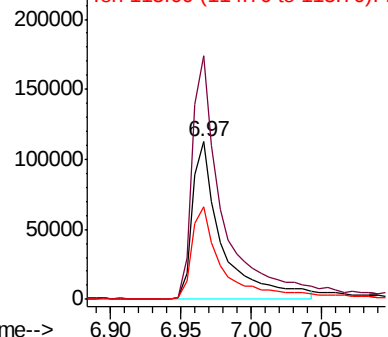
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107823.D
Acq: 31 Jul 2018 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 165180
Ion Ratio Lower Upper
152 100
150 154.4 124.6 186.8
115 58.6 50.1 75.1



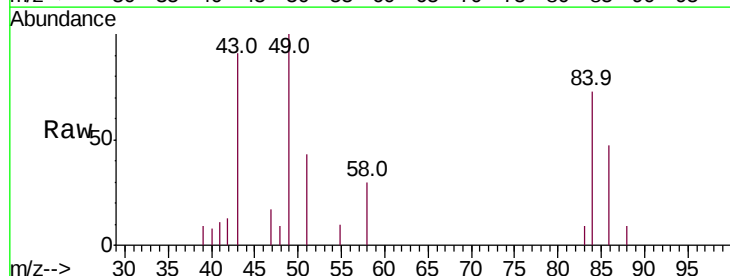
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



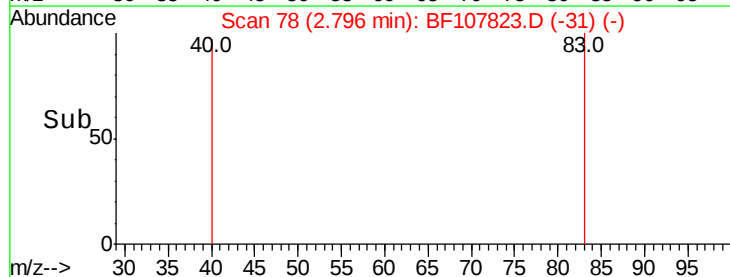
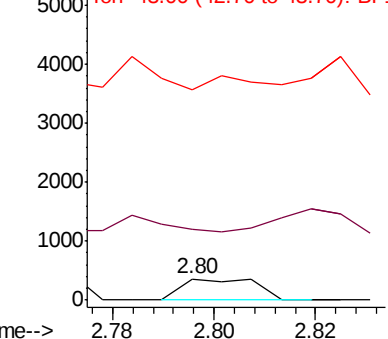
#2

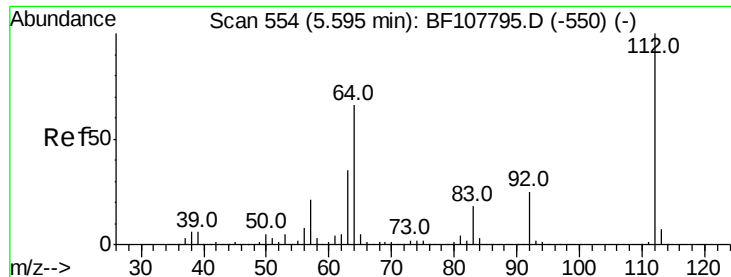
1,4-Dioxane
Concen: 5.863 ng
RT: 2.80 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF107823.D
Acq: 31 Jul 2018 1:40

Tgt Ion: 88 Resp: 359
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 102.496 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :
BNA_F
ClientSampleId :

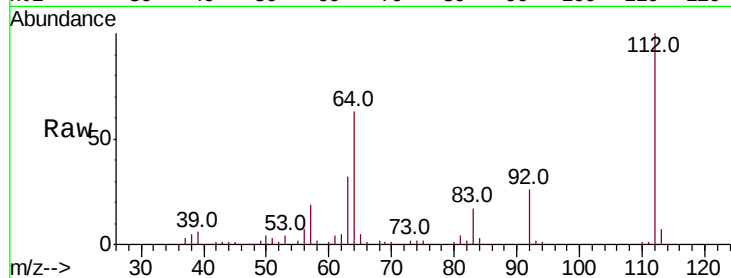
Tot Ion:112 Resp: 996169

Ion Ratio Lower Upper

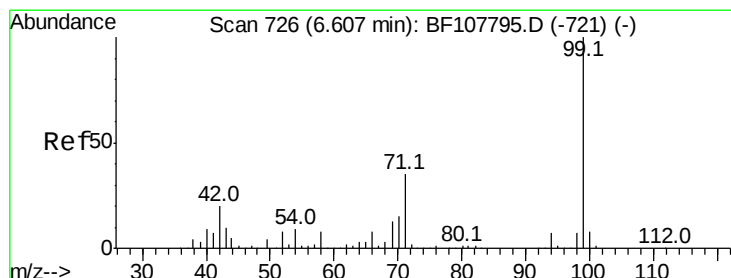
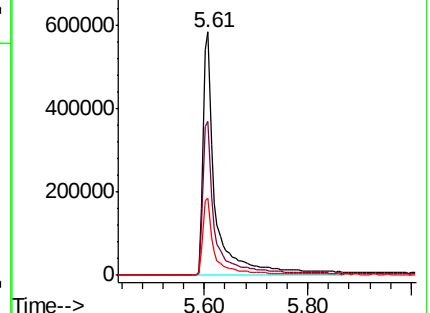
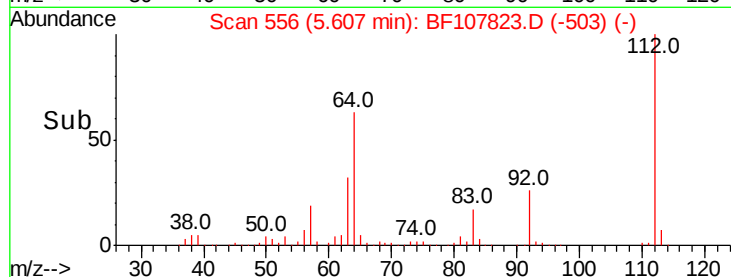
112 100

64 63.0 47.9 71.9

63 31.9 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: 91.073 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

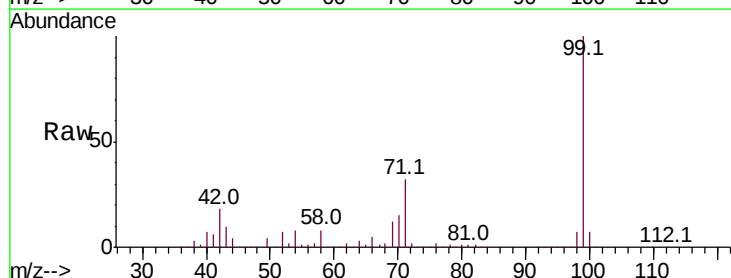
Tgt Ion: 99 Resp: 1166569

Ion Ratio Lower Upper

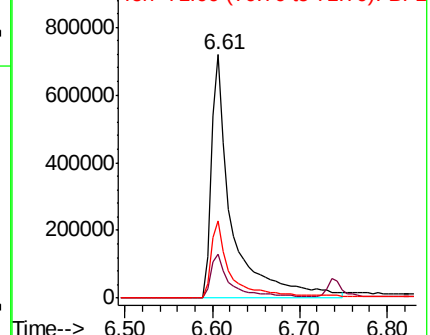
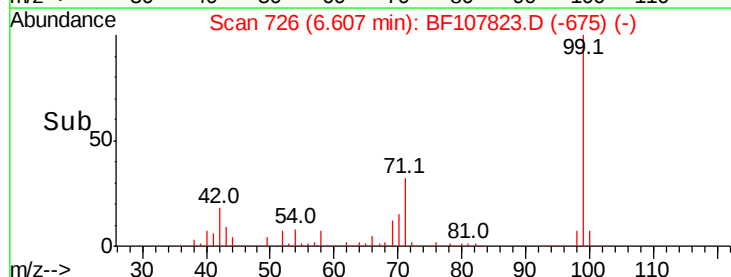
99 100

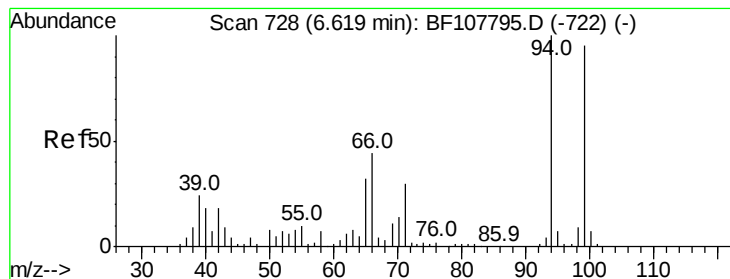
42 18.2 14.5 21.7

71 31.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 3.247 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :

BNA_F

ClientSampleId :

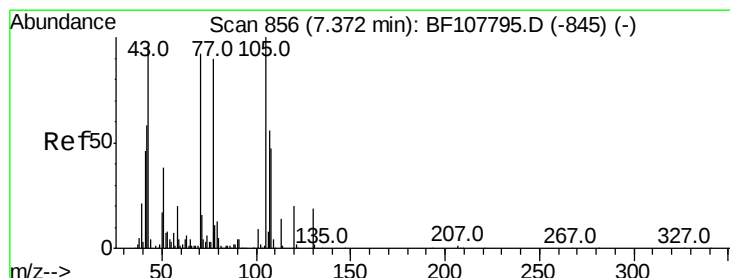
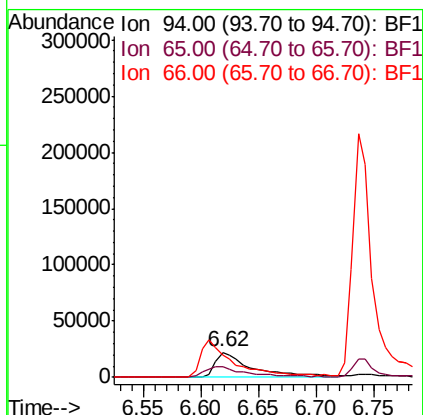
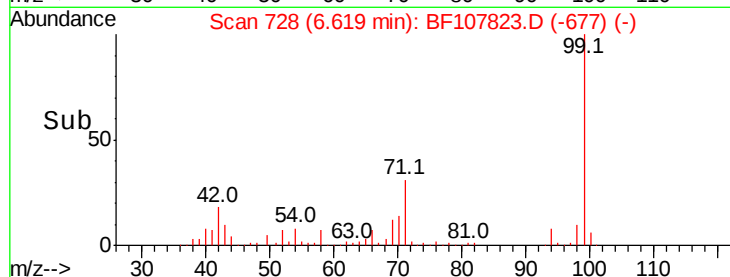
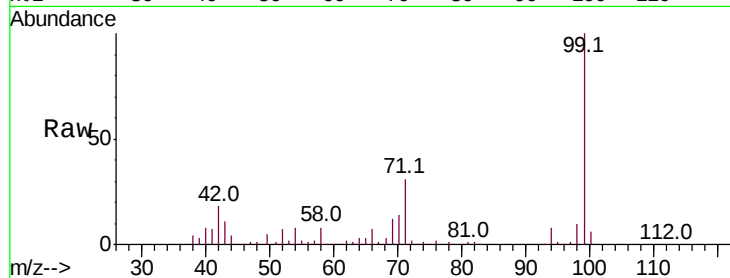
Tot Ion: 94 Resp: 49596

Ion Ratio Lower Upper

94 100

65 40.6 7.9 47.9

66 87.6 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 11.070 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.16 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Tgt Ion: 70 Resp: 89952

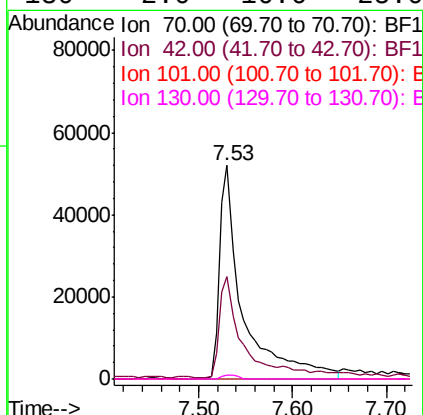
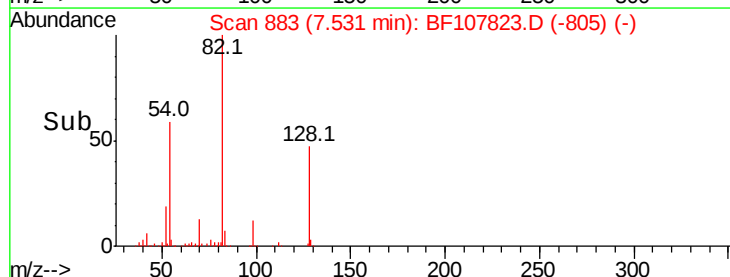
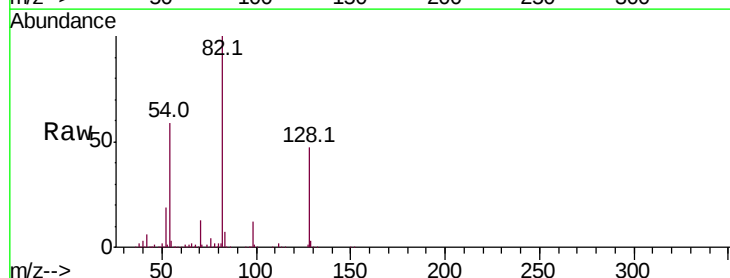
Ion Ratio Lower Upper

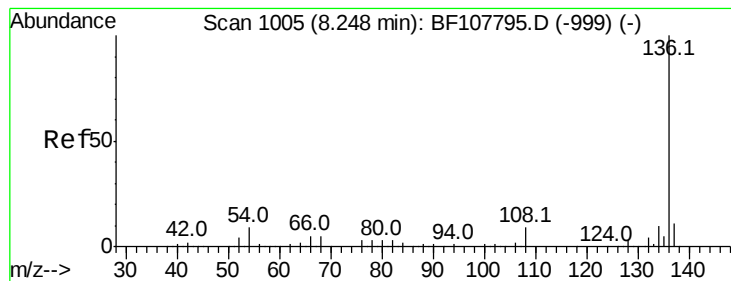
70 100

42 47.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 648545

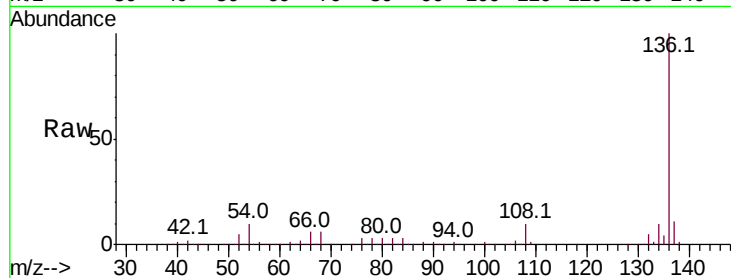
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 10.2 6.6 9.8#

68 6.3 5.0 7.4

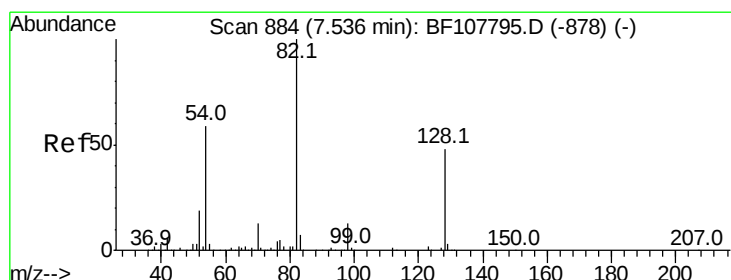
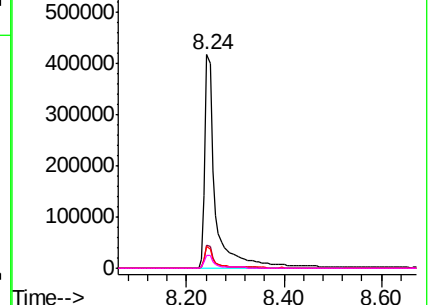
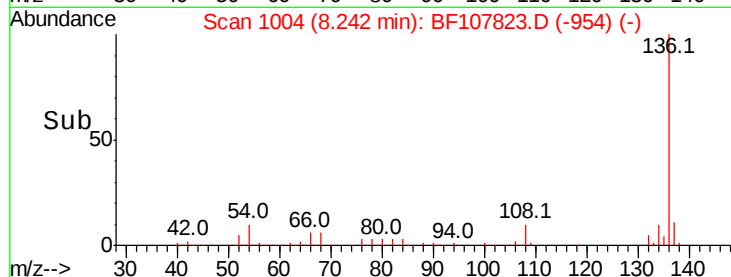


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.983 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

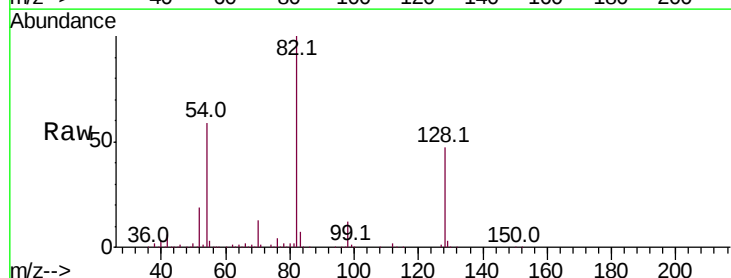
Tgt Ion: 82 Resp: 765317

Ion Ratio Lower Upper

82 100

128 46.9 36.1 54.1

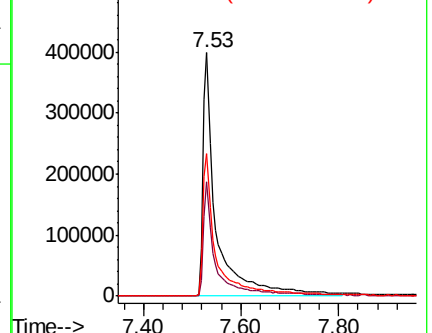
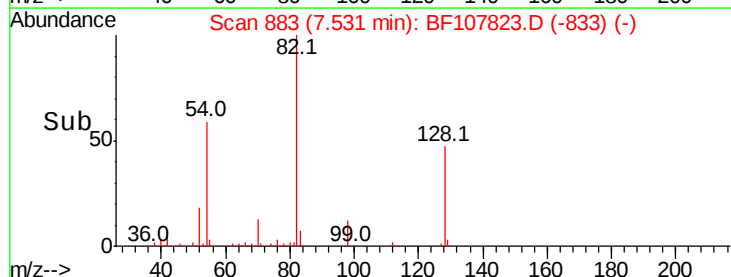
54 58.8 41.4 62.2

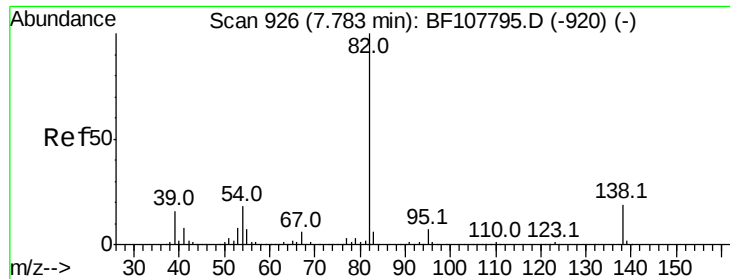


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.147 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :

BNA_F

ClientSampleId :

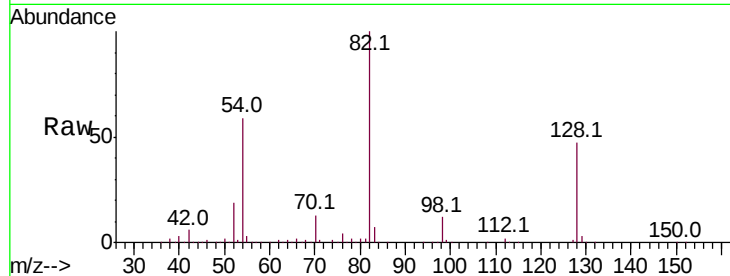
Tot Ion: 82 Resp: 778826

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

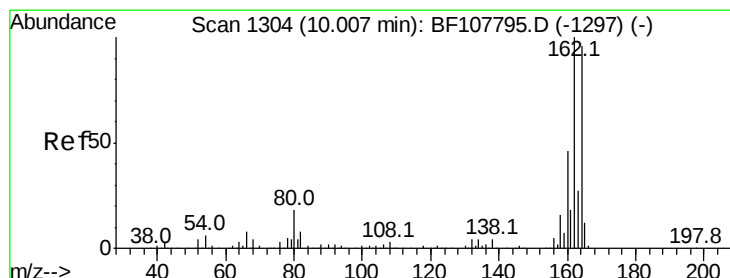
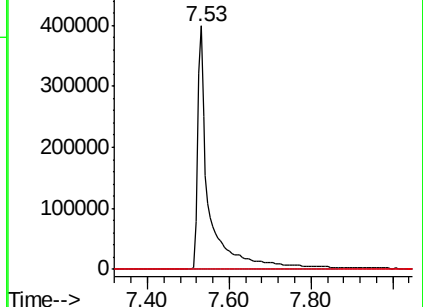
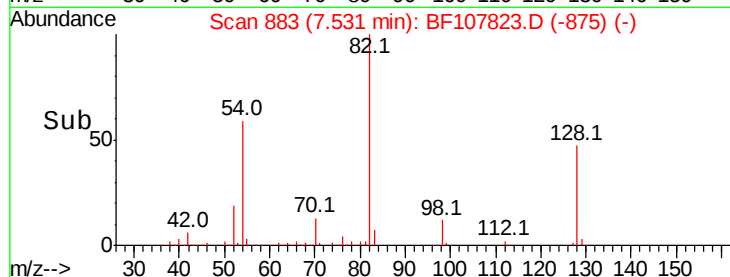
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

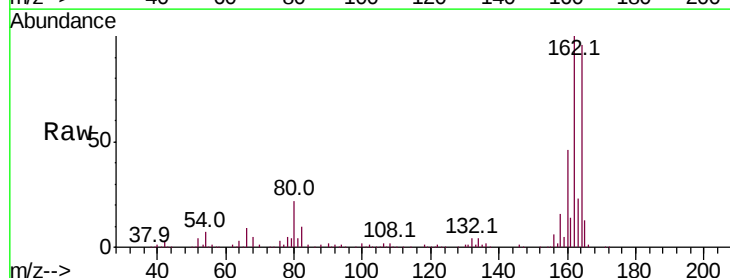
Tgt Ion:164 Resp: 229032

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

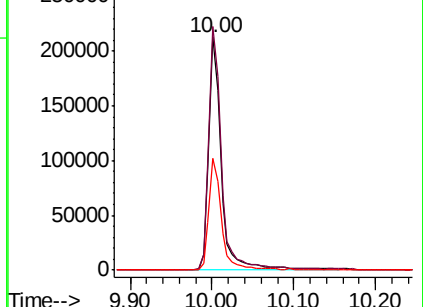
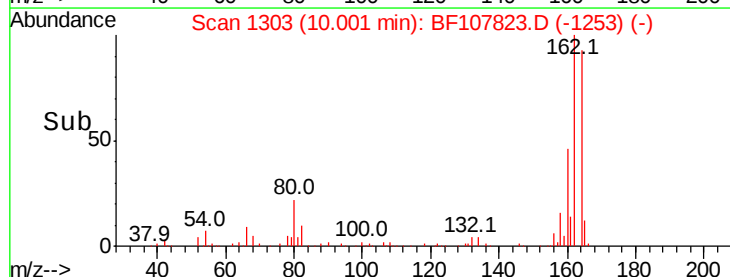
160 47.9 38.3 57.5

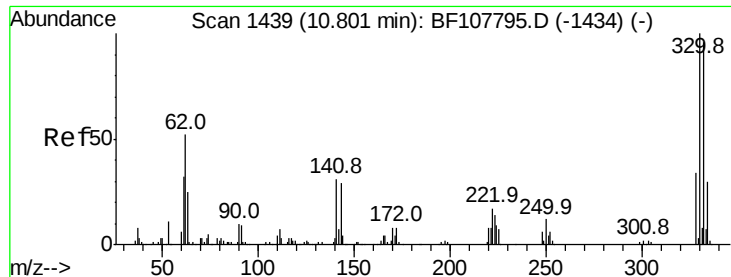


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

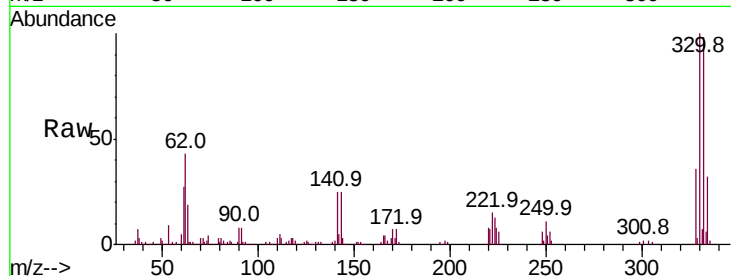




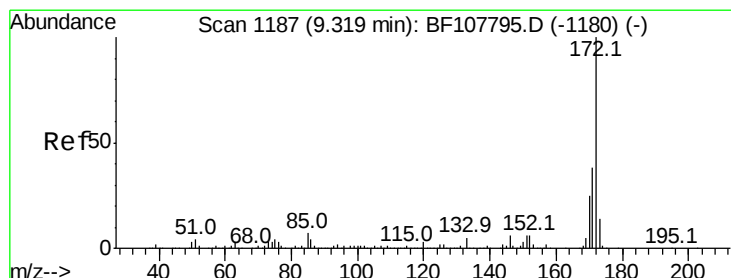
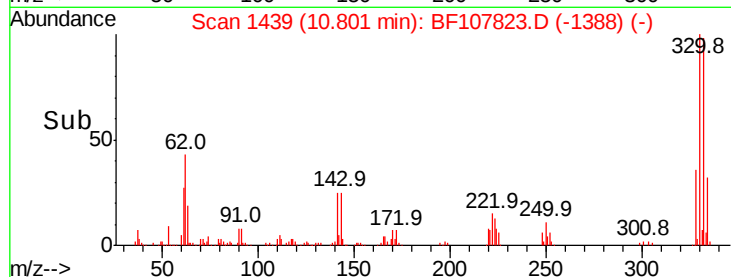
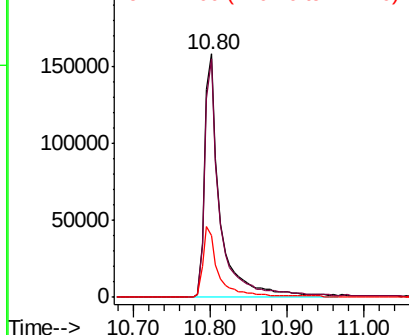
#41
 2,4,6-Tribromophenol
 Concen: 72.109 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107823.D
 Acq: 31 Jul 2018 1:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 224410
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 29.4 29.9 44.9#

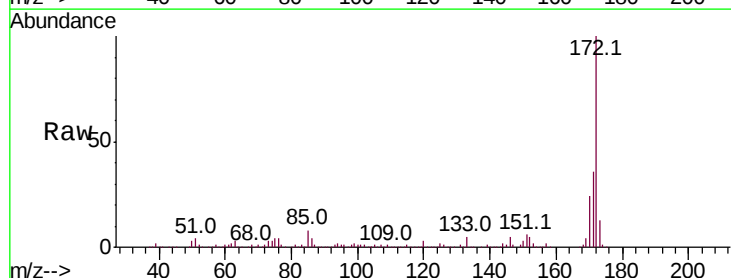


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

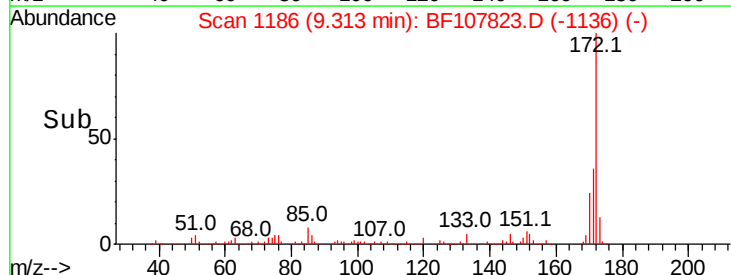
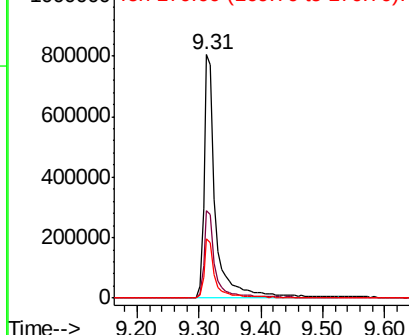


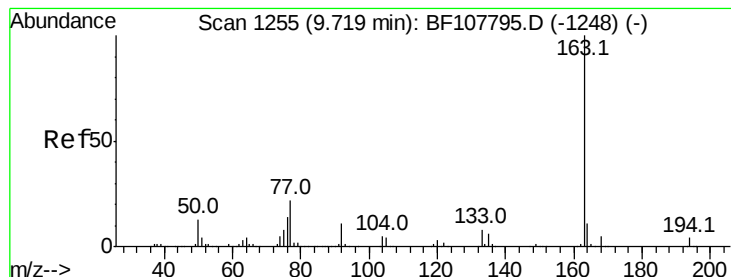
#44
 2-Fluorobiphenyl
 Concen: 65.694 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107823.D
 Acq: 31 Jul 2018 1:40

Tgt Ion:172 Resp: 1079744
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.2 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





#49

Dimethylphthalate

Concen: 4.091 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :

BNA_F

ClientSampleId :

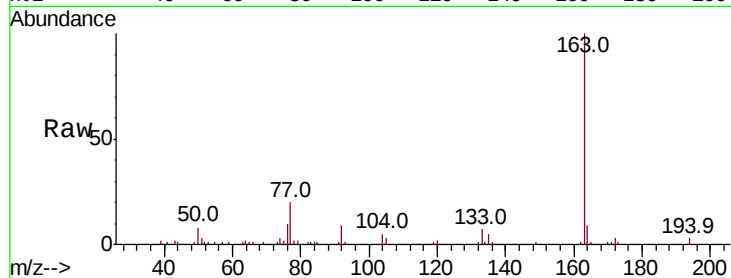
Tot Ion:163 Resp: 70365

Ion Ratio Lower Upper

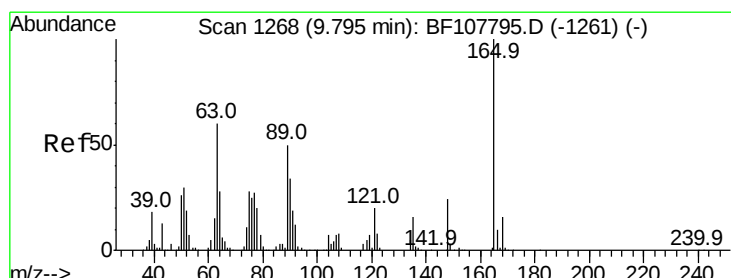
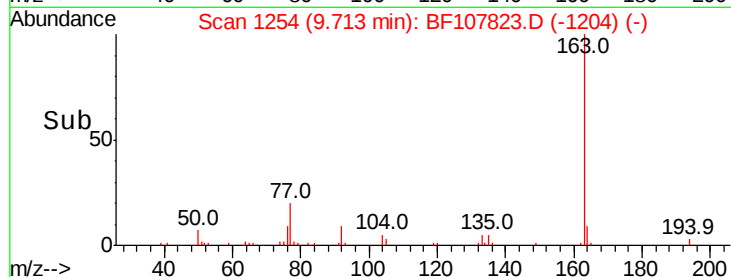
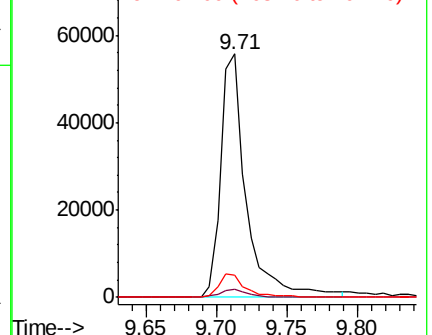
163 100

194 3.2 2.7 4.1

164 9.1 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: 7.810 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

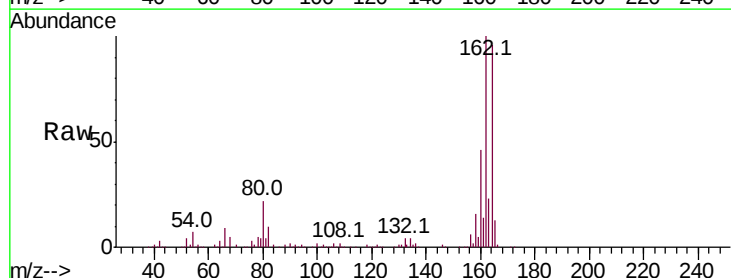
Tgt Ion:165 Resp: 29194

Ion Ratio Lower Upper

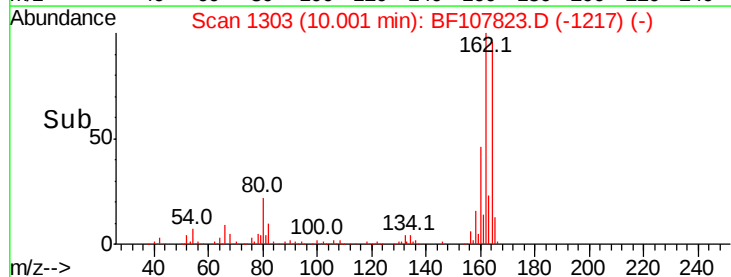
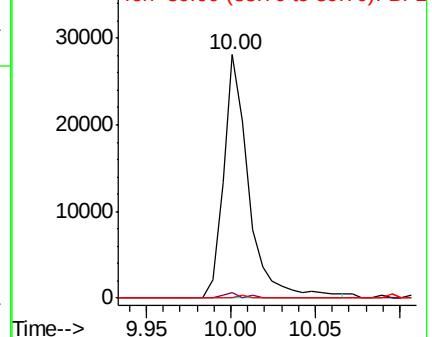
165 100

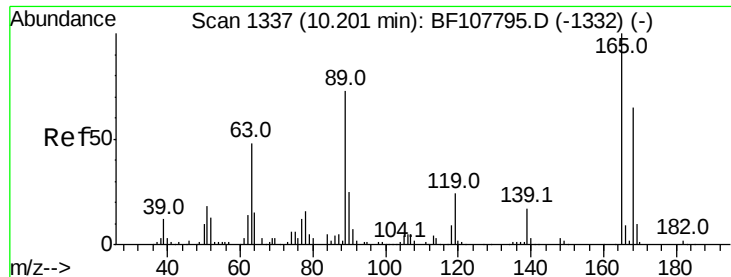
63 2.0 44.7 67.1#

89 0.0 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

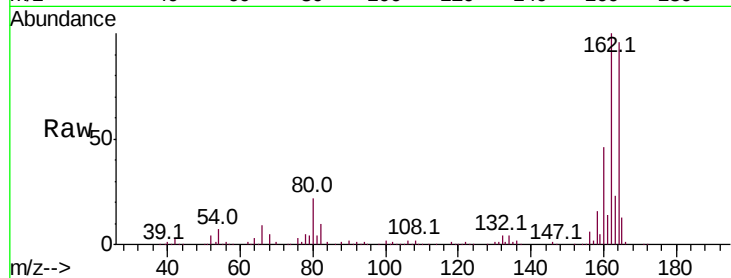




#56
 2,4-Dinitrotoluene
 Concen: 5.979 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107823.D
 Acq: 31 Jul 2018 1:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

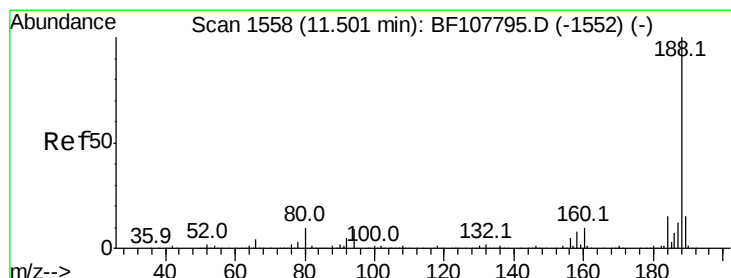
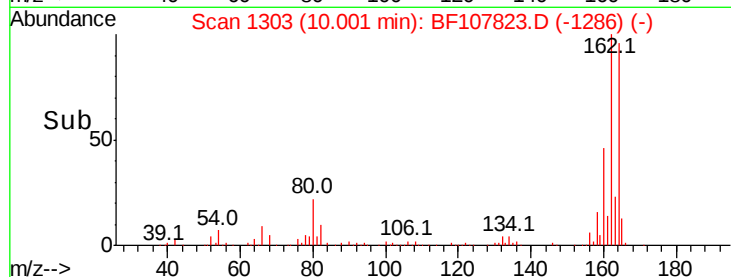
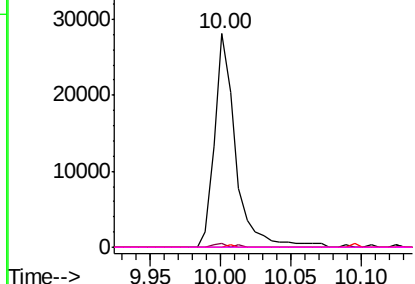


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

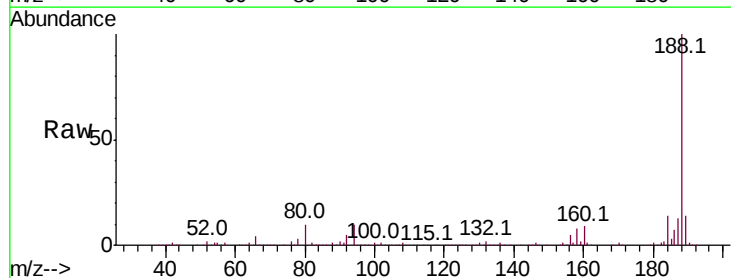
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107823.D
 Acq: 31 Jul 2018 1:40

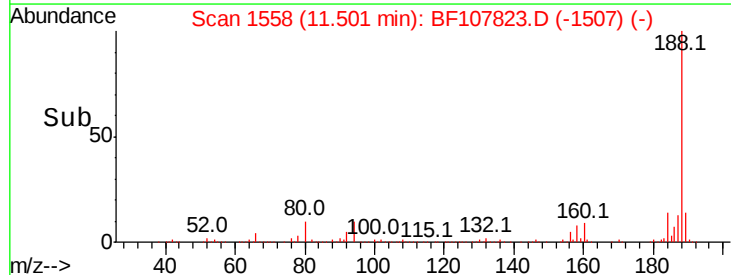
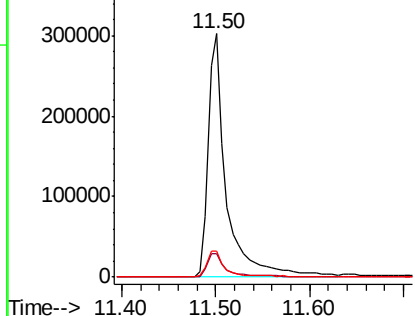
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

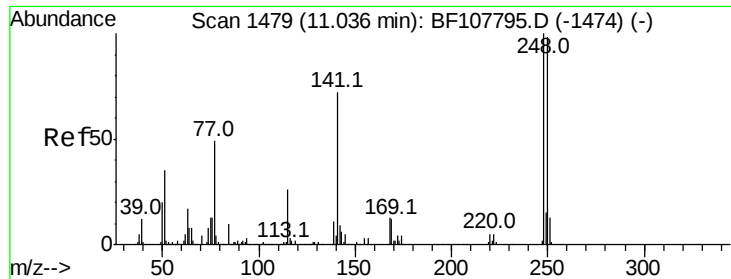


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

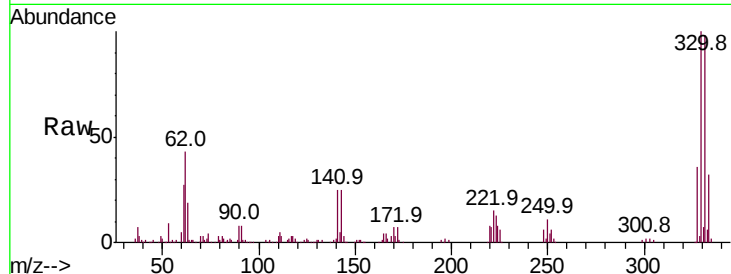




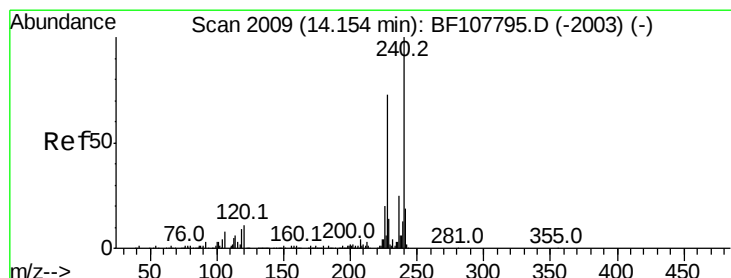
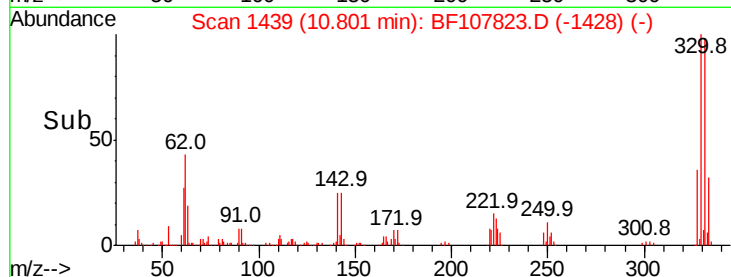
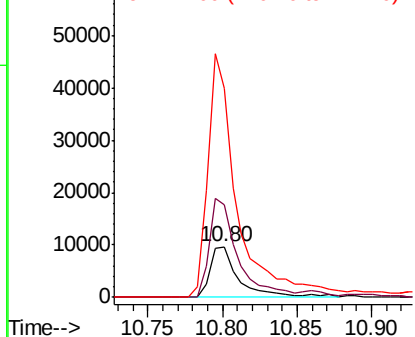
#66
4-Bromophenyl-phenylether
Concen: 2.705 ng
RT: 10.80 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF107823.D
Acq: 31 Jul 2018 1:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 13016
Ion Ratio Lower Upper
248 100
250 182.3 76.9 115.3#
141 411.2 74.4 111.6#

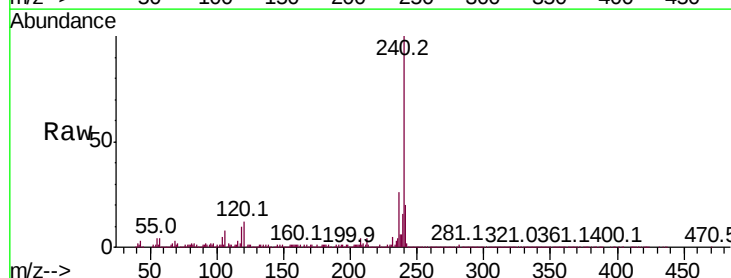


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

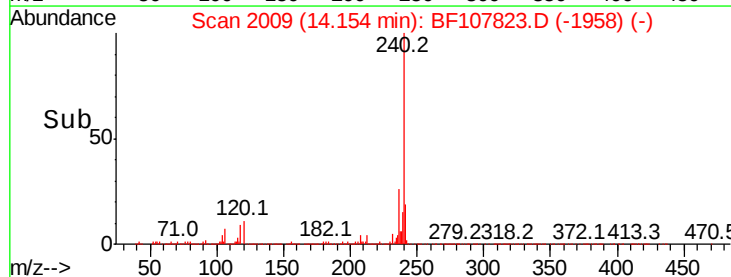
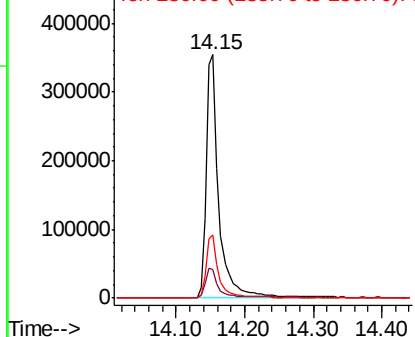


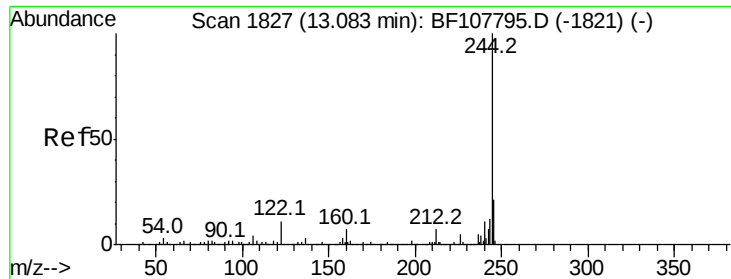
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107823.D
Acq: 31 Jul 2018 1:40

Tgt Ion:240 Resp: 462367
Ion Ratio Lower Upper
240 100
120 11.6 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: 47.420 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

Instrument :

BNA_F

ClientSampleId :

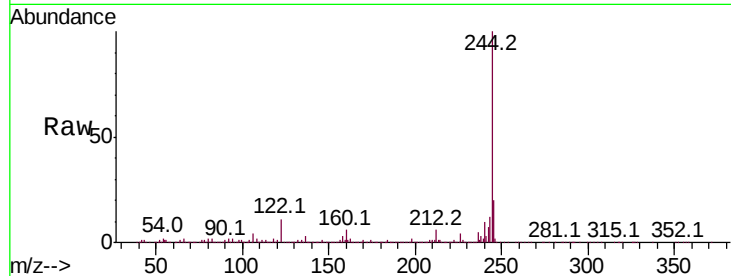
Tot Ion:244 Resp: 1011131

Ion Ratio Lower Upper

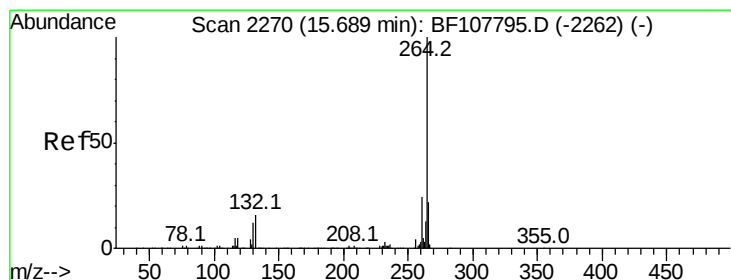
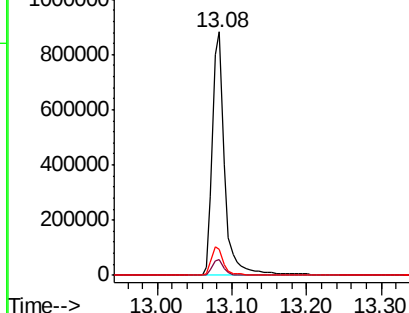
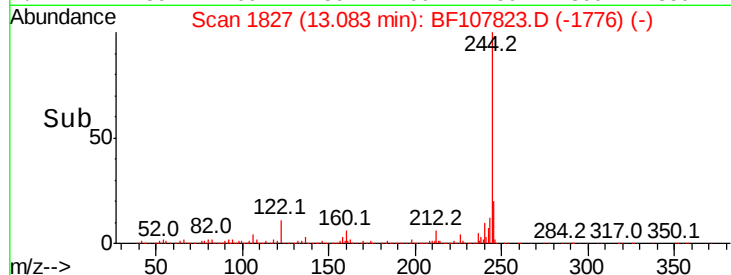
244 100

212 6.4 5.4 8.0

122 10.6 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
1200000
Ion 212.00 (211.70 to 212.70): E
1000000
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. 0.00 min

Lab File: BF107823.D

Acq: 31 Jul 2018 1:40

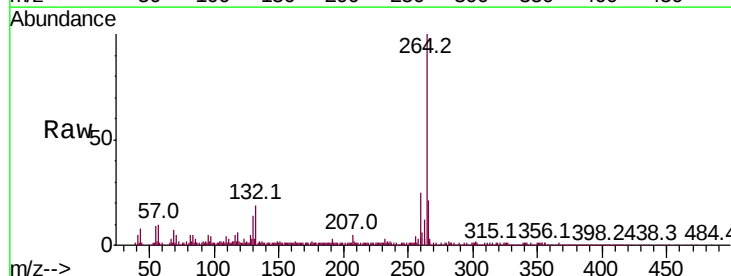
Tgt Ion:264 Resp: 329708

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.4 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
250000
Ion 260.00 (259.70 to 260.70): E
200000
Ion 265.00 (264.70 to 265.70): E

