

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112718\
 Data File : BF111028.D
 Acq On : 28 Nov 2018 00:41
 Operator : JU/SJ
 Sample : J5070-12
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 112118-CHDE-E-U-B

Quant Time: Nov 28 03:16:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

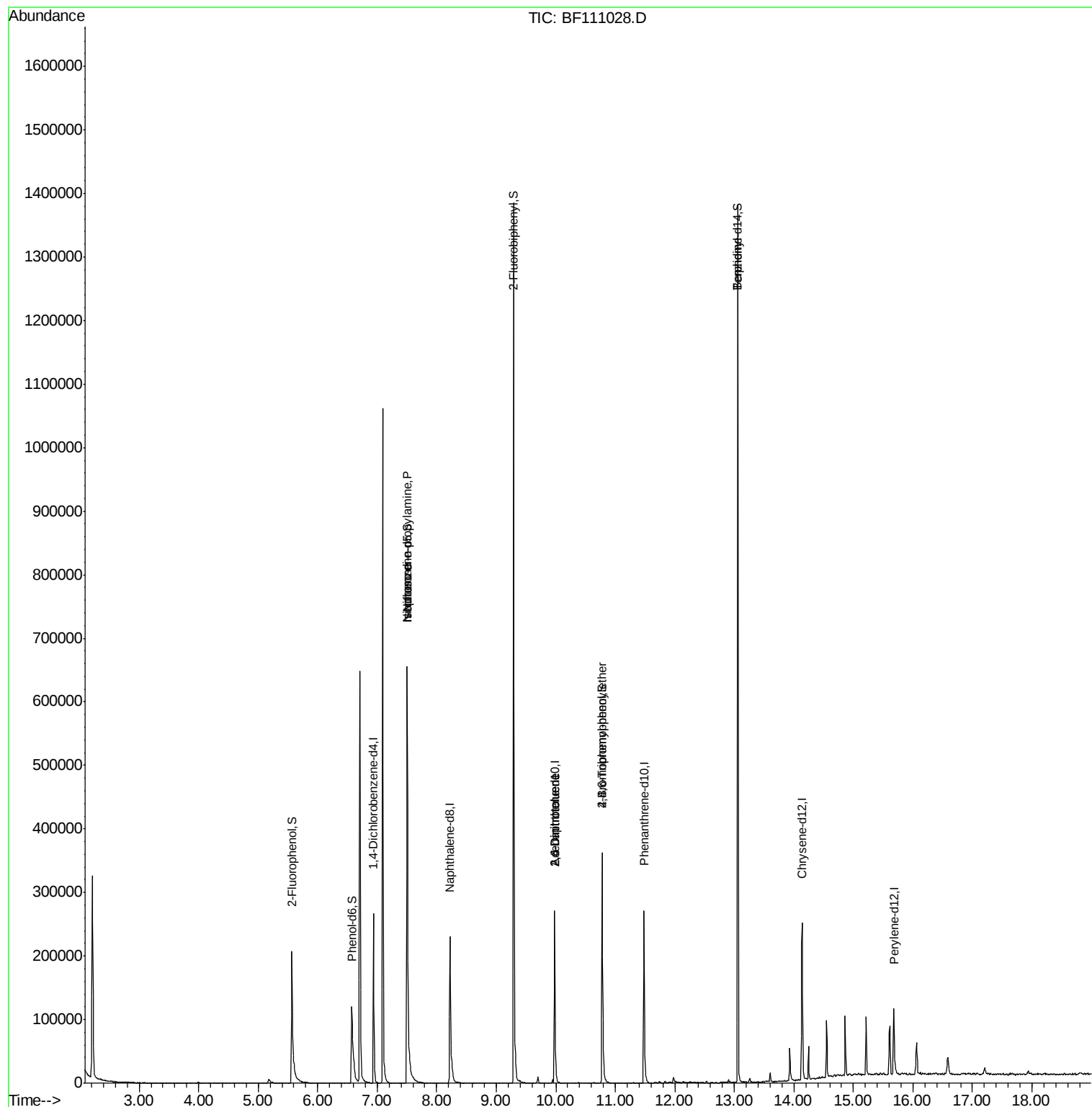
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	44942	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	168292	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	67794	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	128546	20.00	ng	0.00
76) Chrysene-d12	14.14	240	105183	20.00	ng	0.00
87) Perylene-d12	15.68	264	65715	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	106055	39.13	ng	0.01
7) Phenol-d6	6.57	99	78234	22.15	ng	0.00
23) Nitrobenzene-d5	7.50	82	272323	92.61	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	58906	87.49	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	452336	96.67	ng	0.00
79) Terphenyl-d14	13.06	244	475675	88.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	34482	14.989	ng	# 79
25) Isophorone	7.50	82	272323	56.456	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	8468	7.650	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	8468	5.897	ng	# 17
67) 4-Bromophenyl-phenylether	10.78	248	3467	2.476	ng	# 1
77) Benzidine	13.06	184	6447	2.396	ng	# 91

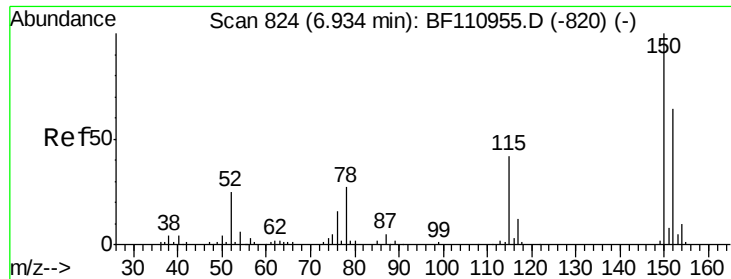
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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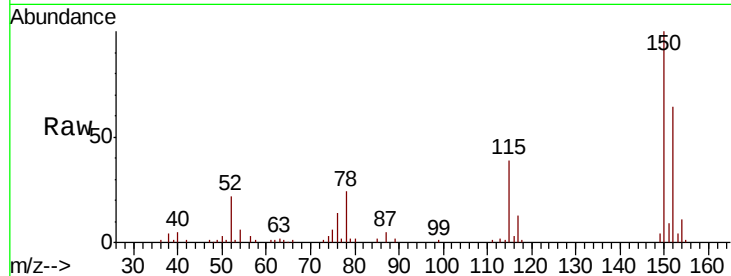




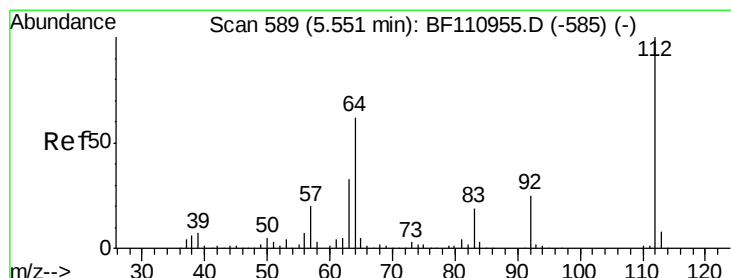
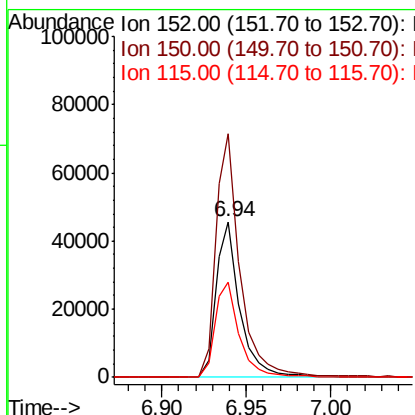
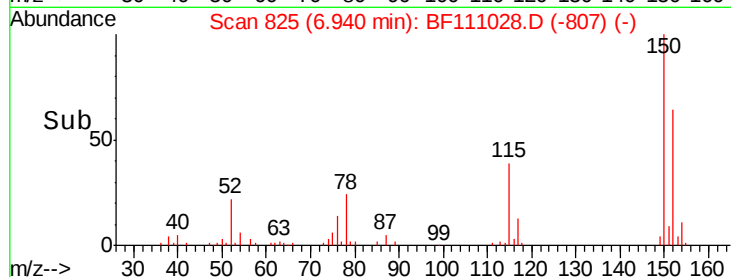
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BF111028.D
 Acq: 28 Nov 2018 00:41

Instrument :
 BNA_F
 ClientSampleId :
 112118-CHDE-E-U-B

Tgt Ion:152 Resp: 44942
 Ion Ratio Lower Upper
 152 100
 150 156.6 122.7 184.1
 115 61.0 49.1 73.7

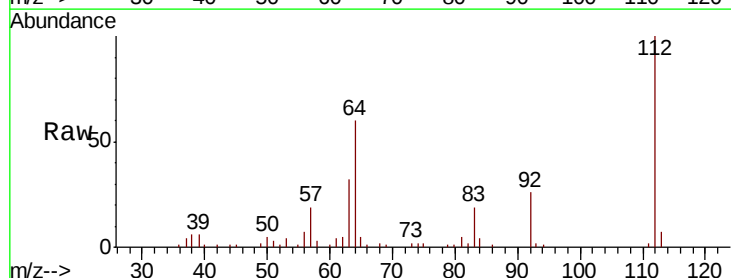


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

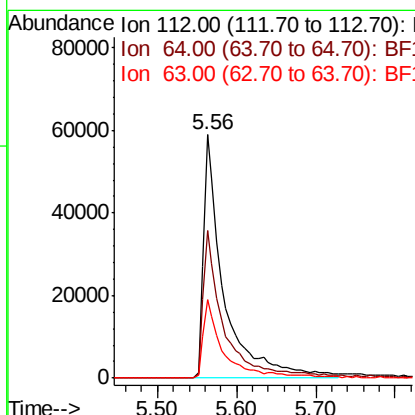
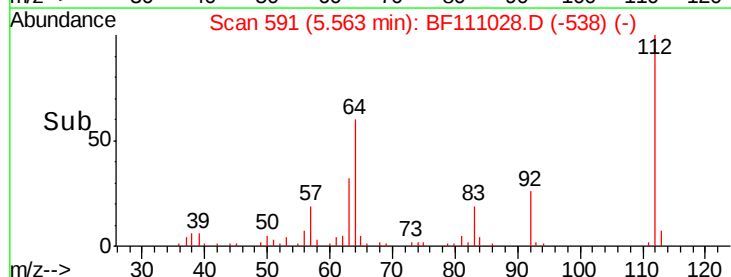


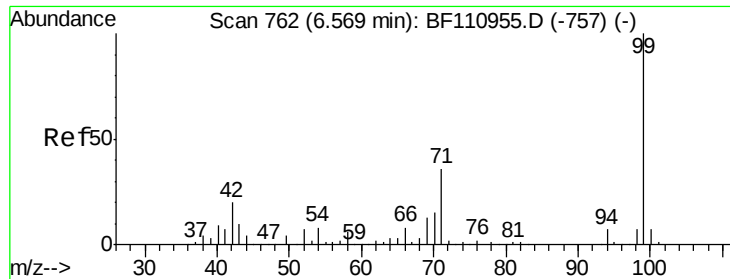
#5
 2-Fluorophenol
 Concen: 39.133 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: BF111028.D
 Acq: 28 Nov 2018 00:41

Tgt Ion:112 Resp: 106055
 Ion Ratio Lower Upper
 112 100
 64 60.4 44.1 66.1
 63 32.3 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: 22.152 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.01 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

112118-CHDE-E-U-B

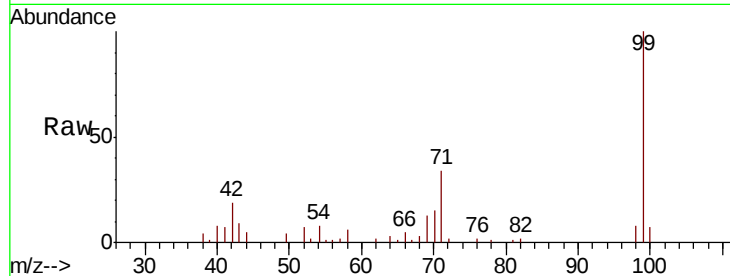
Tgt Ion: 99 Resp: 78234

Ion Ratio Lower Upper

99 100

42 19.2 15.8 23.6

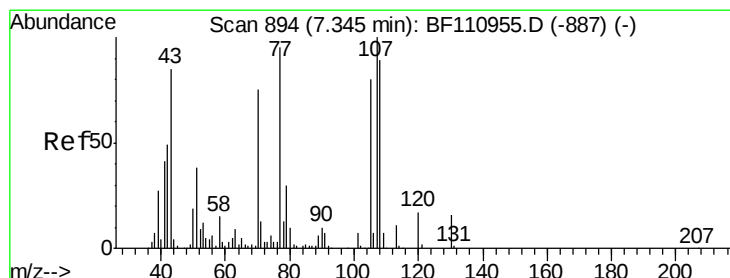
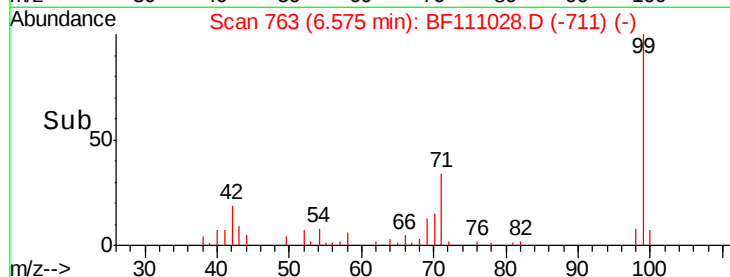
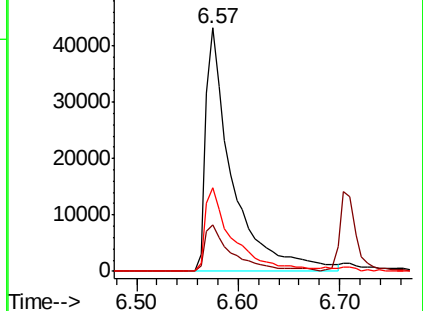
71 34.1 28.0 42.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.989 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.16 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Tgt Ion: 70 Resp: 34482

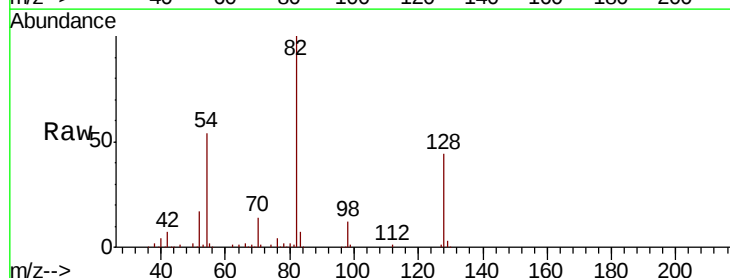
Ion Ratio Lower Upper

70 100

42 48.6 47.4 71.2

101 0.0 7.3 10.9#

130 2.1 16.2 24.2#

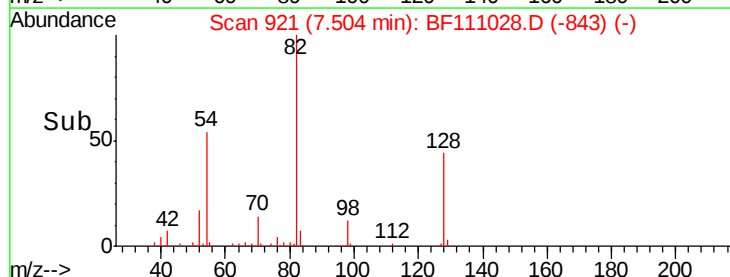
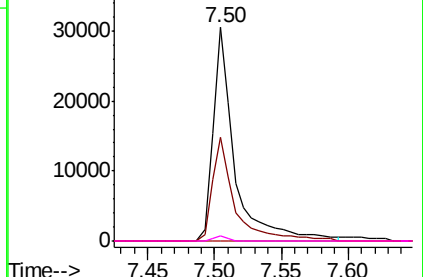


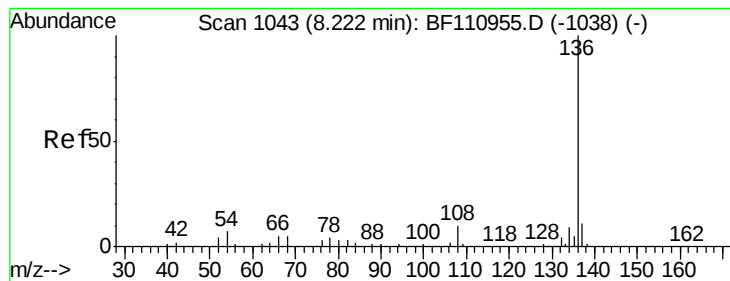
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

112118-CHDE-E-U-B

Tgt Ion: 136 Resp: 168292

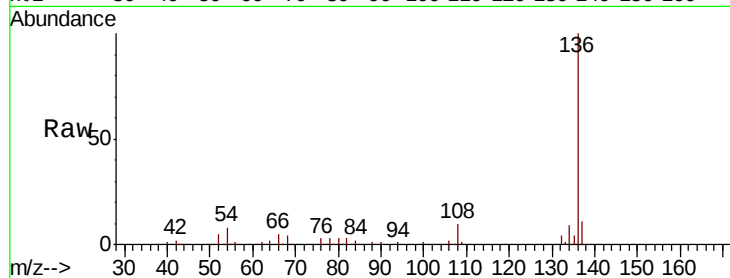
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.8 5.4 8.2

68 4.5 4.2 6.2

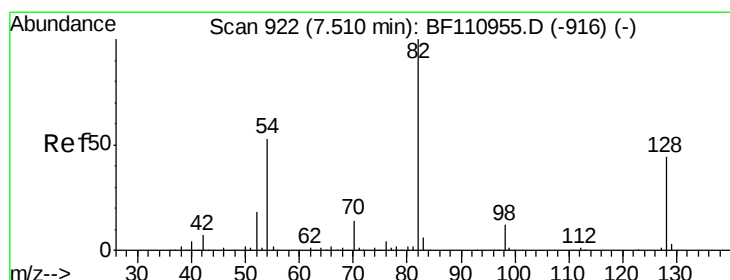
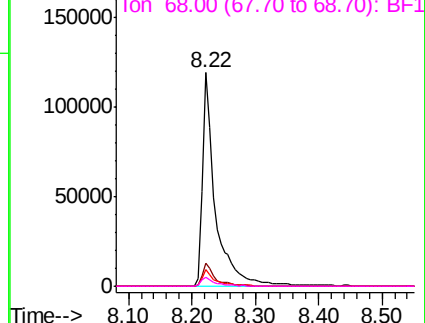
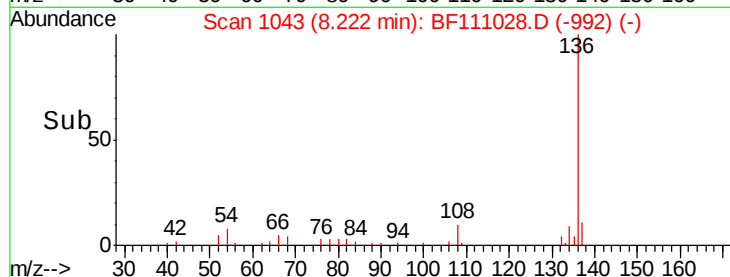


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.608 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

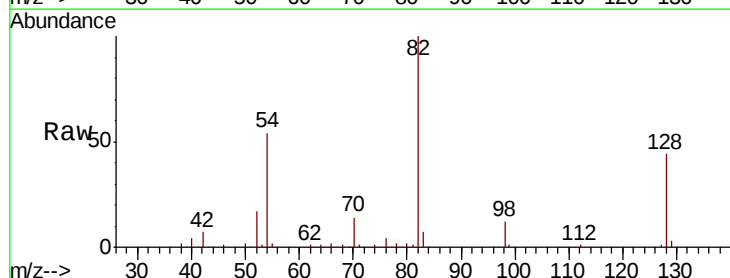
Tgt Ion: 82 Resp: 272323

Ion Ratio Lower Upper

82 100

128 44.1 34.2 51.2

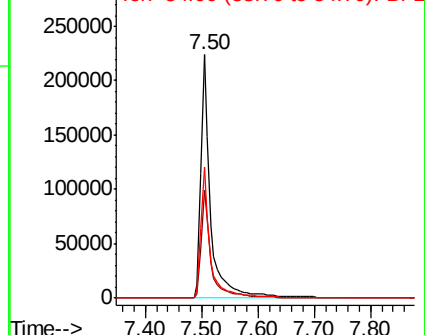
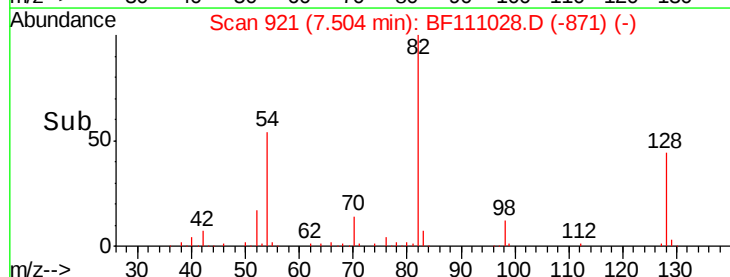
54 53.6 38.6 58.0

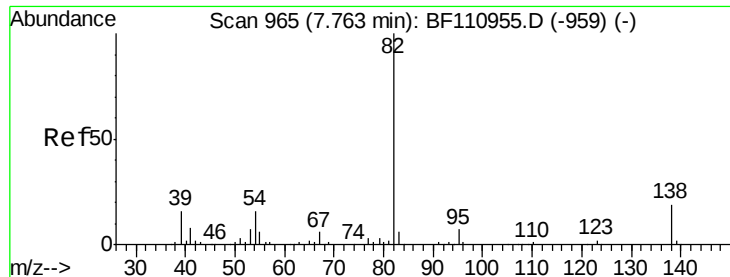


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.456 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

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BNA_F

ClientSampleId :

112118-CHDE-E-U-B

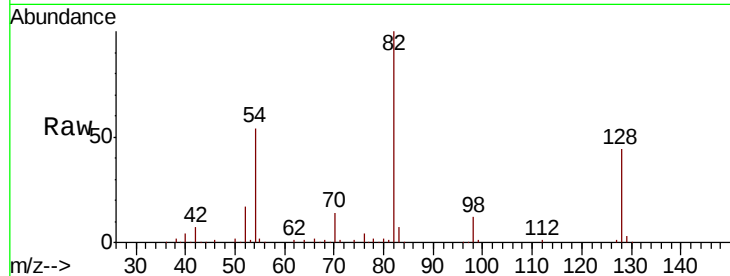
Tgt Ion: 82 Resp: 272323

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

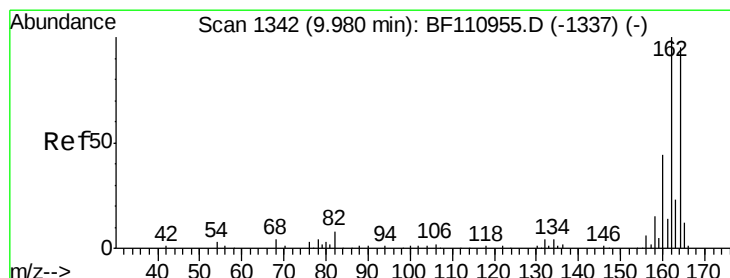
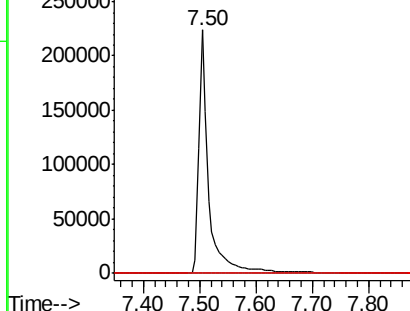
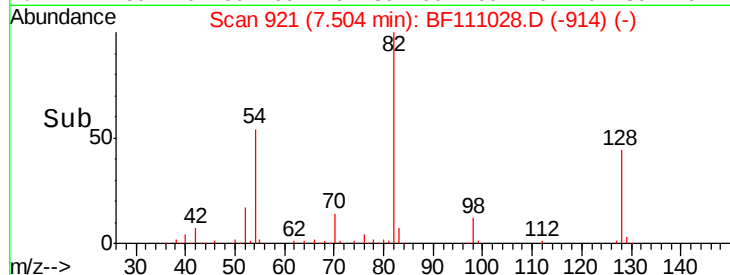
138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

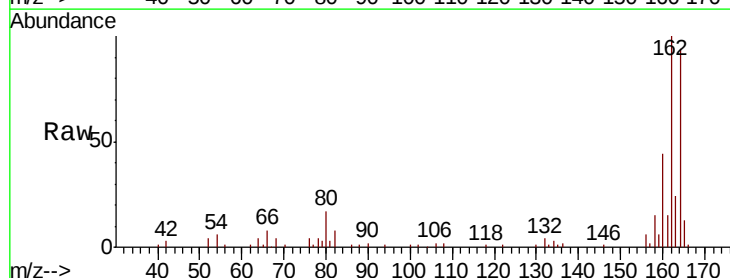
Tgt Ion: 164 Resp: 67794

Ion Ratio Lower Upper

164 100

162 105.9 83.0 124.6

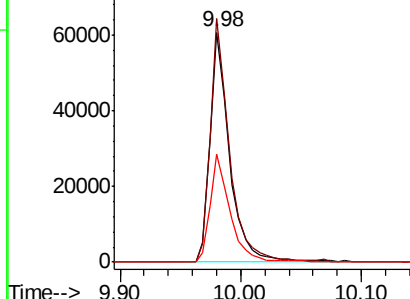
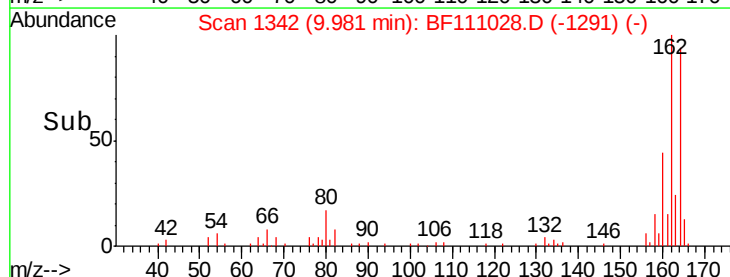
160 47.0 37.0 55.6

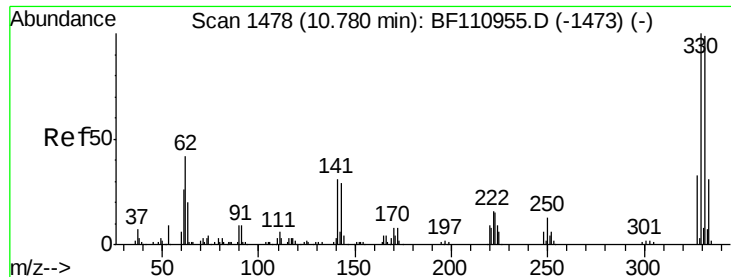


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.490 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Instrument :

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ClientSampleId :

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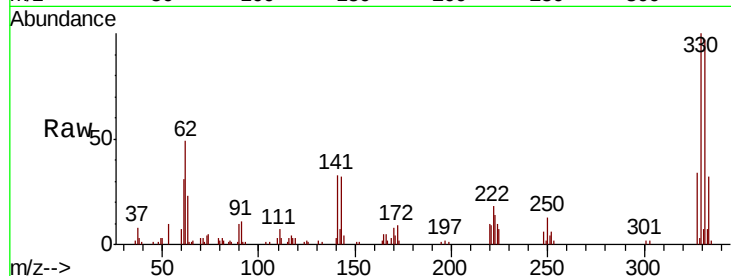
Tgt Ion:330 Resp: 58906

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

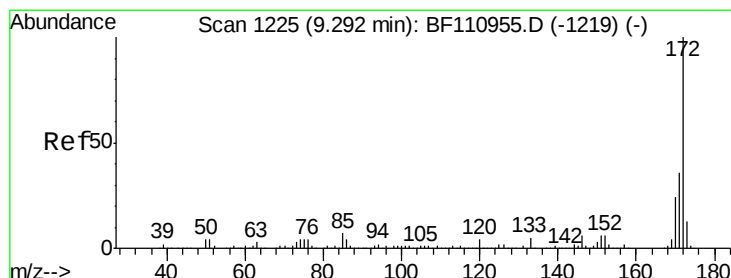
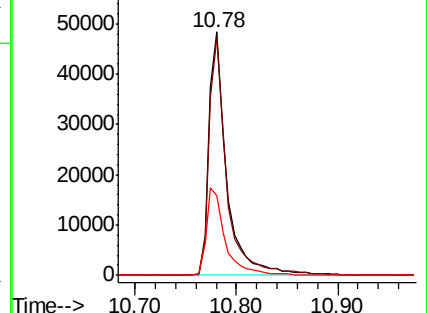
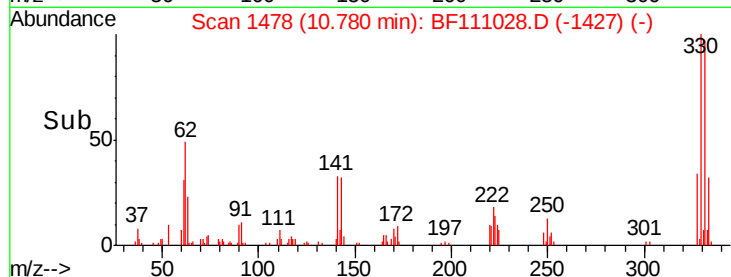
141 37.9 27.0 40.4



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



#45

2-Fluorobiphenyl

Concen: 96.665 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.00 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

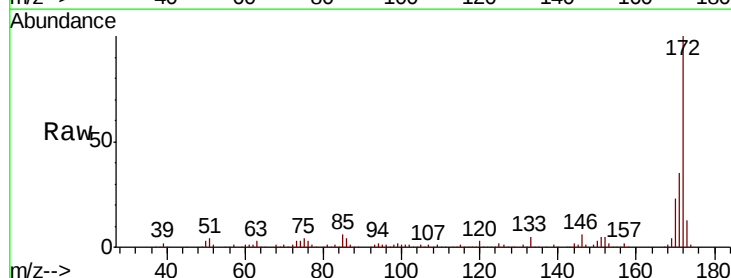
Tgt Ion:172 Resp: 452336

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

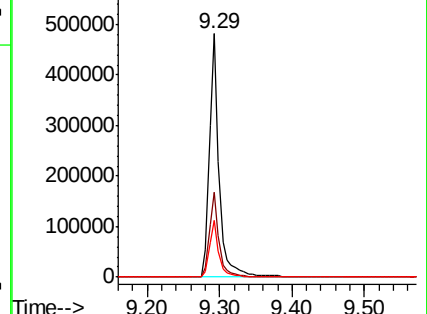
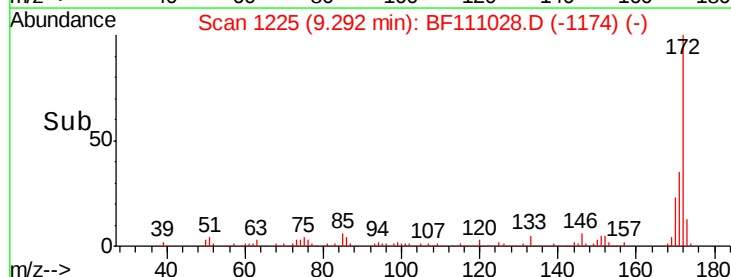
170 23.1 19.7 29.5

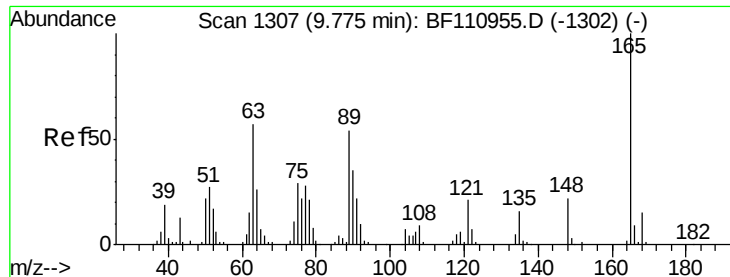


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.650 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.21 min

Lab File: BF111028.D

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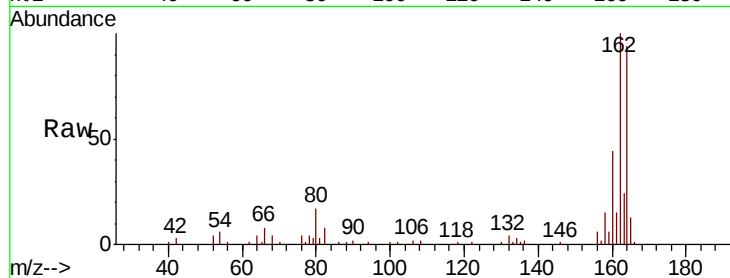
Tgt Ion:165 Resp: 8468

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

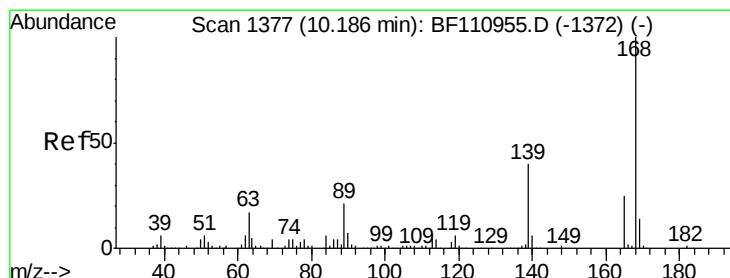
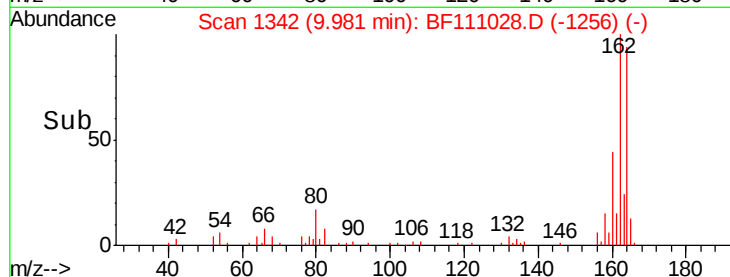
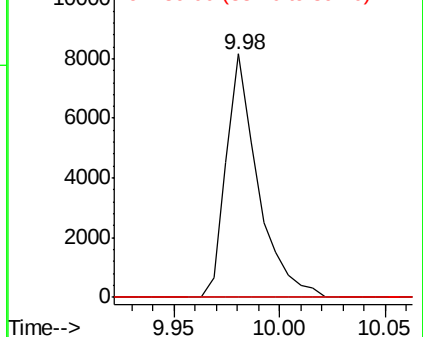
89 0.0 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 5.897 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.21 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Tgt Ion:165 Resp: 8468

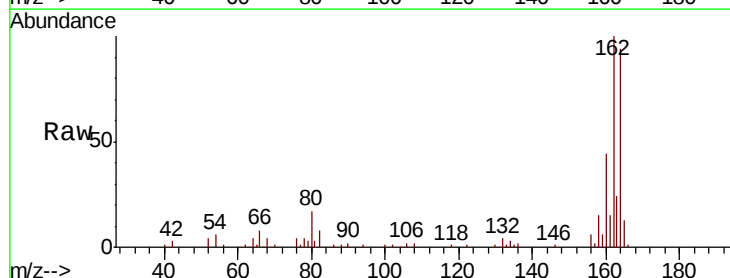
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

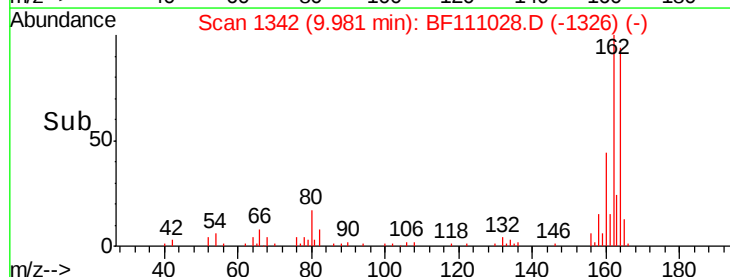
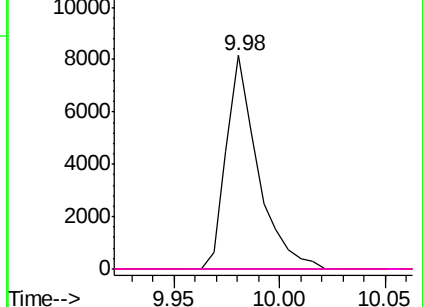


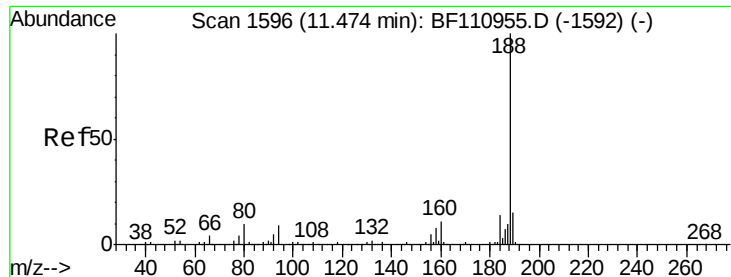
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

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112118-CHDE-E-U-B

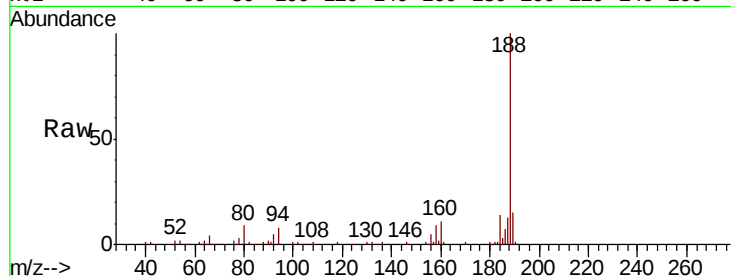
Tgt Ion:188 Resp: 128546

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

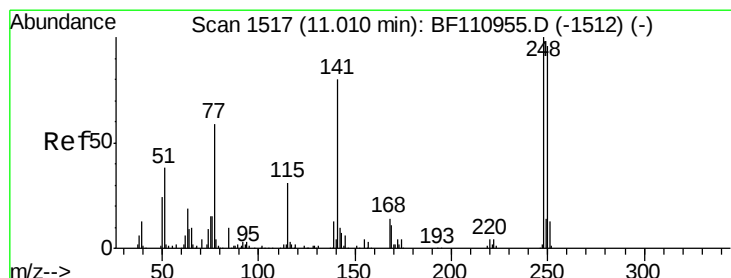
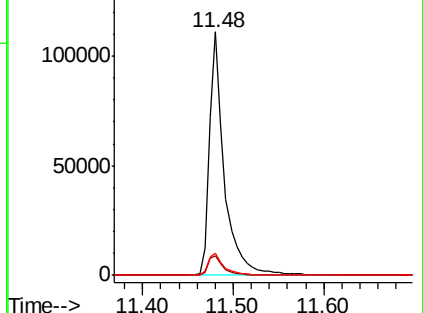
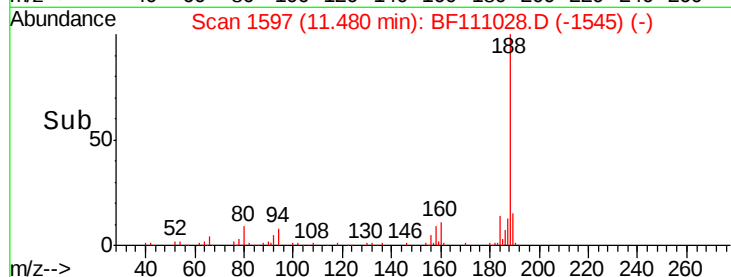
80 9.4 7.9 11.9



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



#67

4-Bromophenyl-phenylether

Concen: 2.476 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.23 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

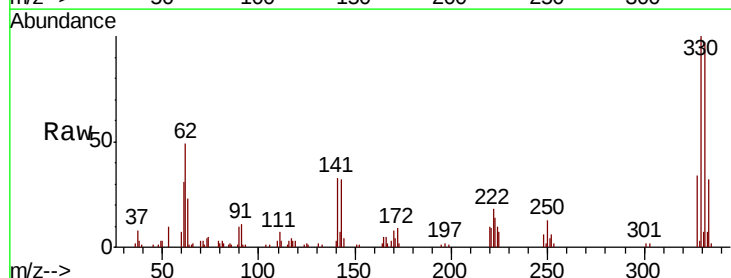
Tgt Ion:248 Resp: 3467

Ion Ratio Lower Upper

248 100

250 214.3 79.4 119.2#

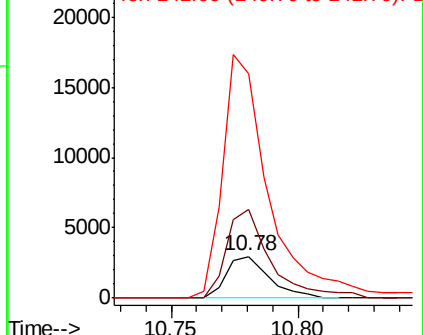
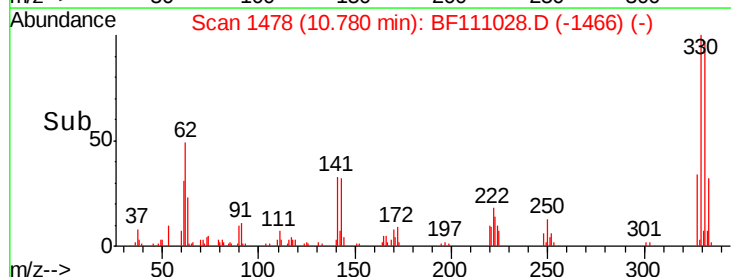
141 541.3 55.9 83.9#

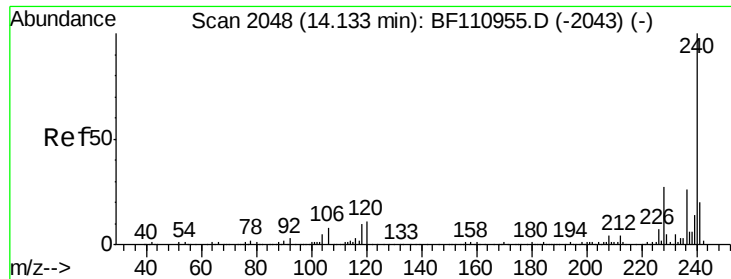


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

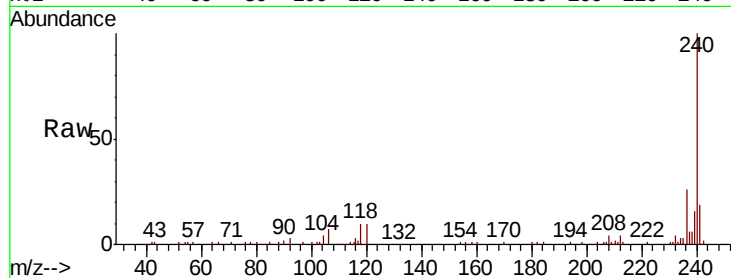




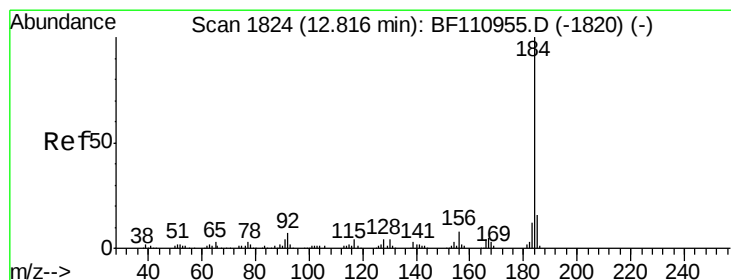
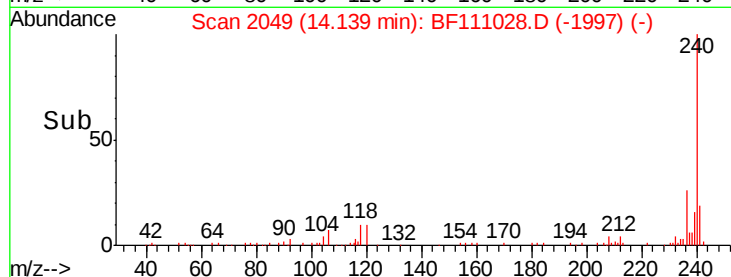
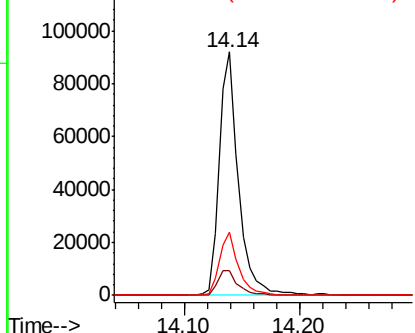
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.01 min
Lab File: BF111028.D
Acq: 28 Nov 2018 00:41

Instrument :
BNA_F
ClientSampleId :
112118-CHDE-E-U-B

Tgt Ion:240 Resp: 105183
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 25.7 21.2 31.8

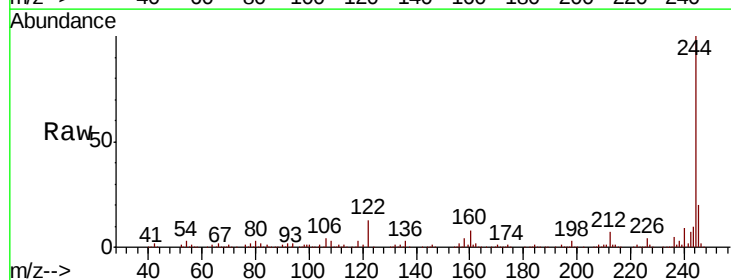


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

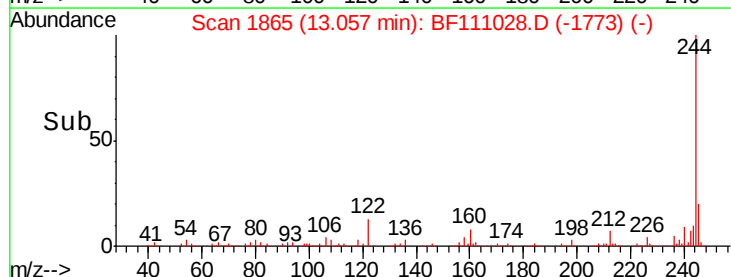
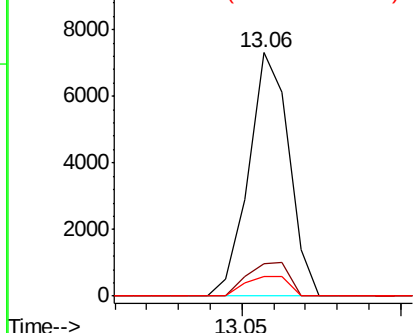


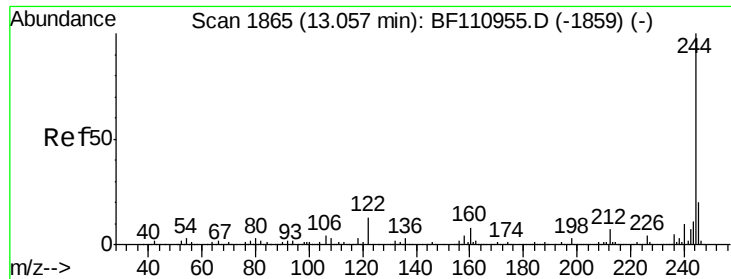
#77
Benzidine
Concen: 2.396 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.24 min
Lab File: BF111028.D
Acq: 28 Nov 2018 00:41

Tgt Ion:184 Resp: 6447
Ion Ratio Lower Upper
184 100
185 13.1 13.4 20.2#
183 8.0 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.034 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.00 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

Instrument :

BNA_F

ClientSampleId :

112118-CHDE-E-U-B

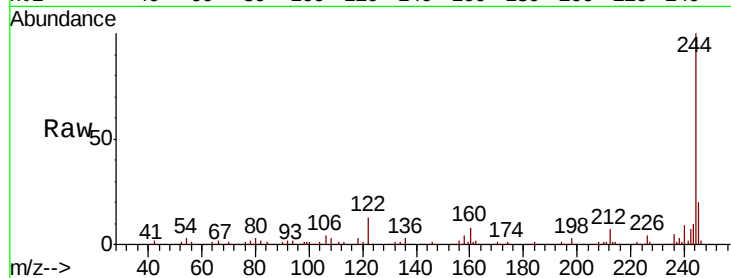
Tgt Ion:244 Resp: 475675

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

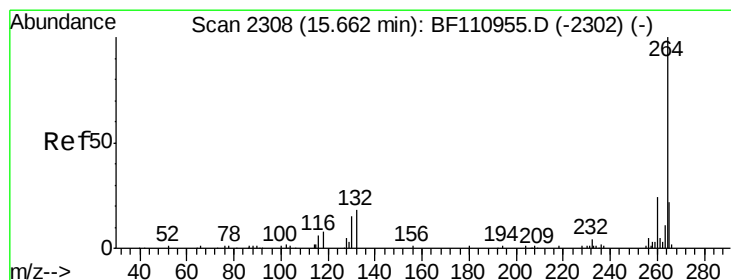
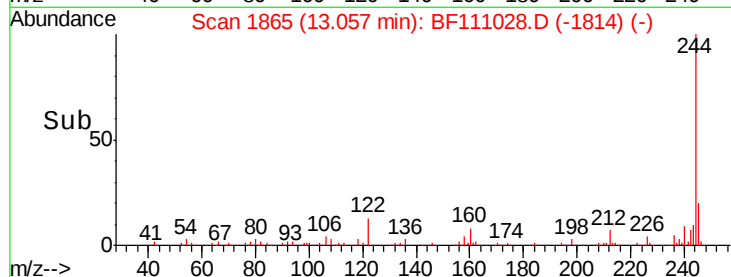
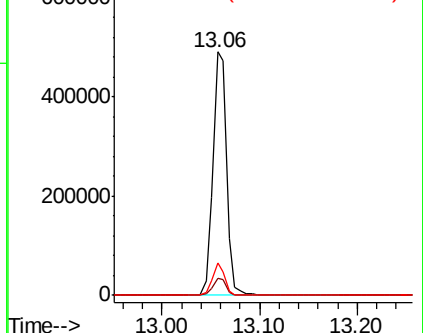
122 13.4 8.7 13.1#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. 0.01 min

Lab File: BF111028.D

Acq: 28 Nov 2018 00:41

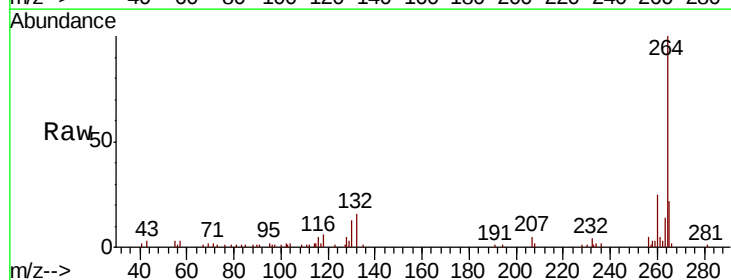
Tgt Ion:264 Resp: 65715

Ion Ratio Lower Upper

264 100

260 25.3 18.7 28.1

265 21.5 16.7 25.1



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

