

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112618\
 Data File : BF110991.D
 Acq On : 27 Nov 2018 4:48
 Operator : JU/SJ
 Sample : J6061-15
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 112018-DBRI-E-U-B

Quant Time: Nov 27 06:32:41 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 03:04:49 2018
 Response via : Initial Calibration

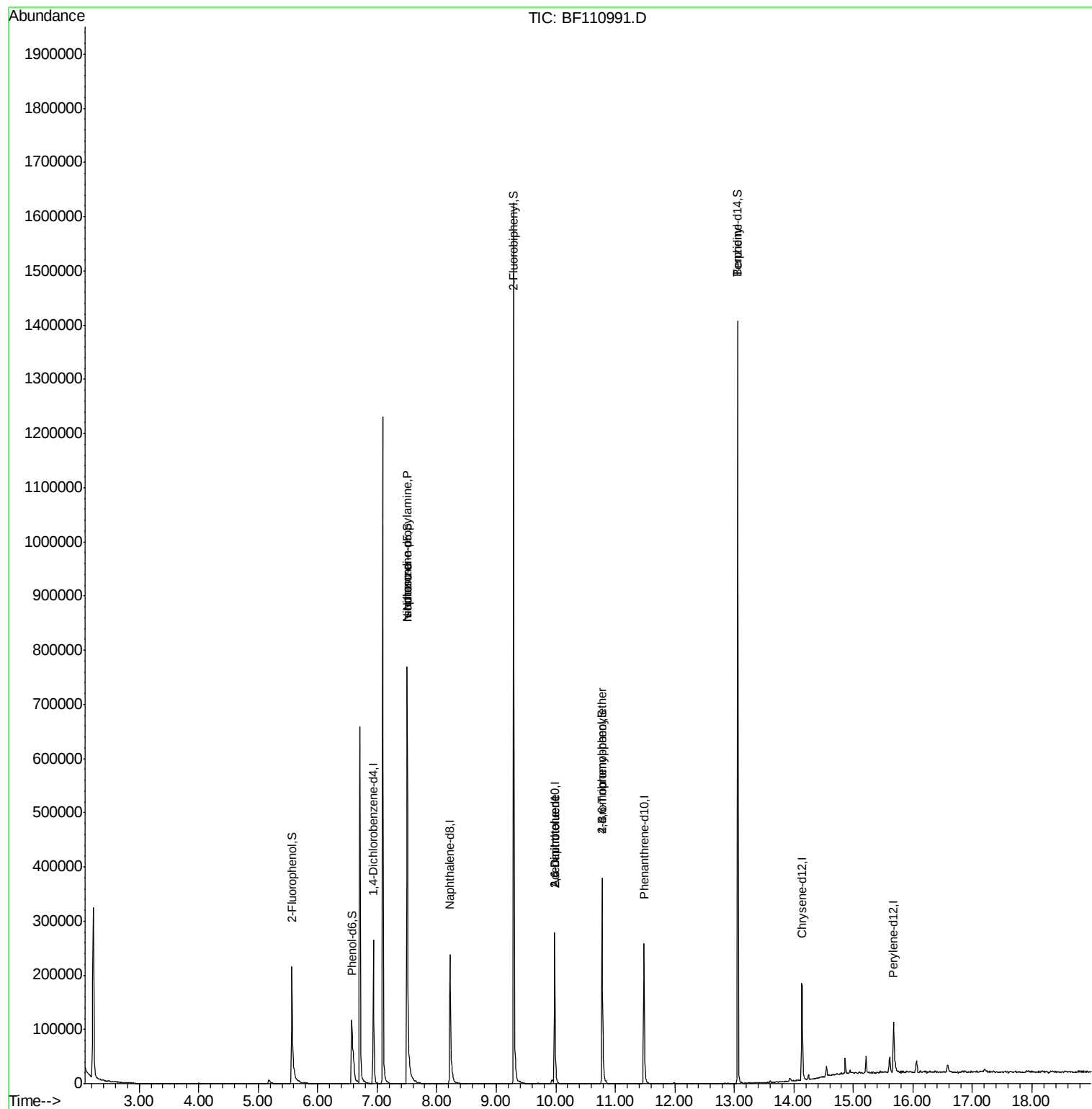
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	46070	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	173027	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	69692	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	128265	20.00	ng	0.00
76) Chrysene-d12	14.13	240	82707	20.00	ng	0.00
87) Perylene-d12	15.67	264	61956	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	108306	38.99	ng	0.00
7) Phenol-d6	6.57	99	75268	20.79	ng	-0.02
23) Nitrobenzene-d5	7.50	82	295550	97.76	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	57709	83.38	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	513349	106.72	ng	0.00
79) Terphenyl-d14	13.06	244	468787	110.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.50	70	38890	16.491	ng	# 79
25) Isophorone	7.50	82	295550	59.595	ng	# 67
51) 2,6-Dinitrotoluene	9.98	165	8782	7.718	ng	# 21
57) 2,4-Dinitrotoluene	9.98	165	8782	5.949	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	3406	2.438	ng	# 1
77) Benzidine	13.06	184	6064	2.866	ng	# 95

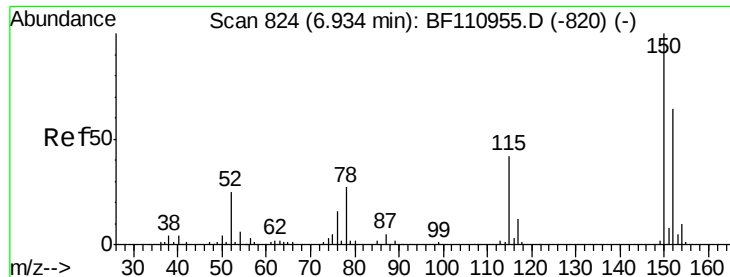
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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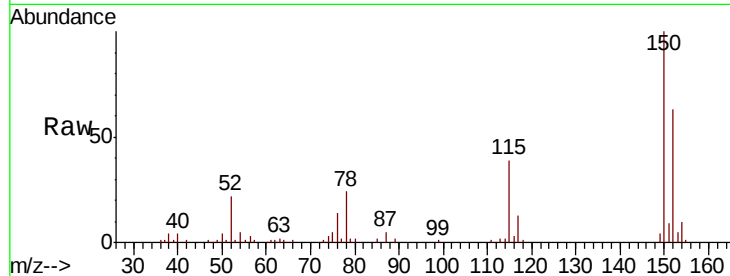




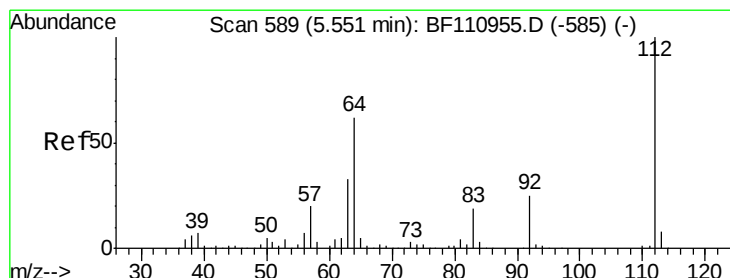
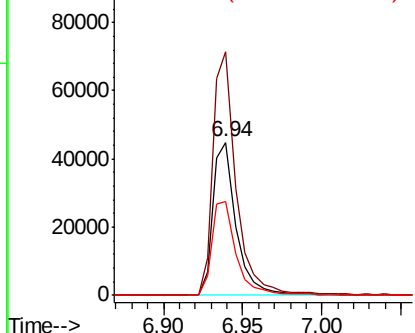
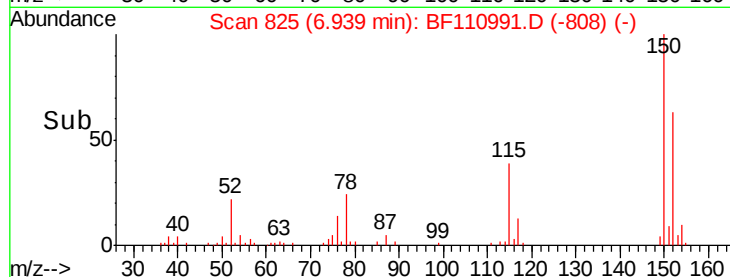
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BF110991.D
 Acq: 27 Nov 2018 4:48

Instrument :
 BNA_F
 ClientSampleId :
 112018-DBRI-E-U-B

Tgt Ion:152 Resp: 46070
 Ion Ratio Lower Upper
 152 100
 150 158.9 122.7 184.1
 115 61.3 49.1 73.7

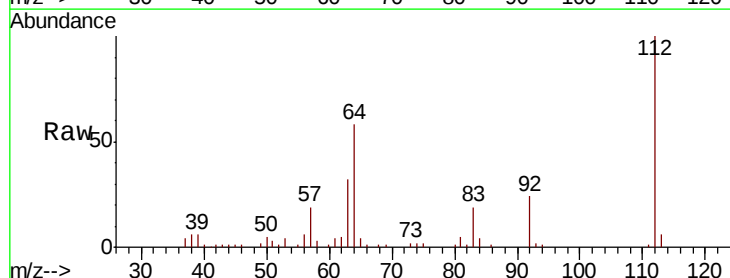


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

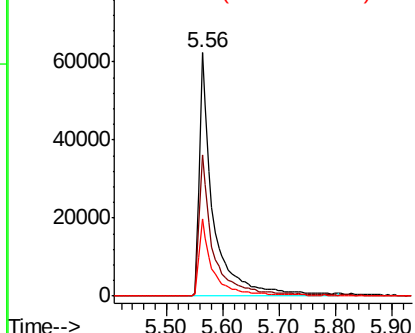
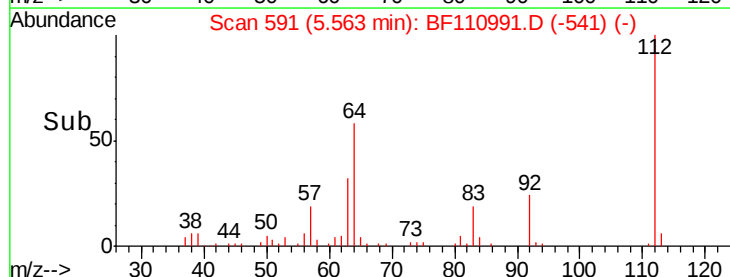


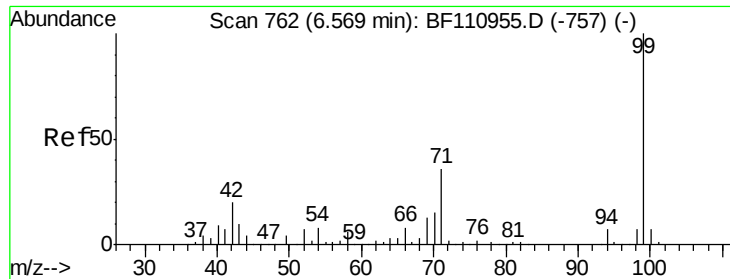
#5
 2-Fluorophenol
 Concen: 38.985 ng
 RT: 5.56 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF110991.D
 Acq: 27 Nov 2018 4:48

Tgt Ion:112 Resp: 108306
 Ion Ratio Lower Upper
 112 100
 64 58.0 44.1 66.1
 63 31.8 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: 20.790 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.02 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Instrument :

BNA_F

ClientSampleId :

112018-DBRI-E-U-B

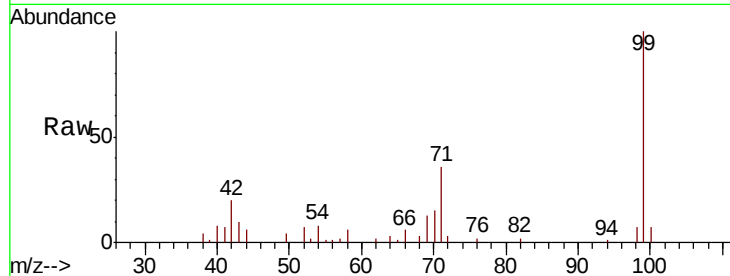
Tgt Ion: 99 Resp: 75268

Ion Ratio Lower Upper

99 100

42 20.2 15.8 23.6

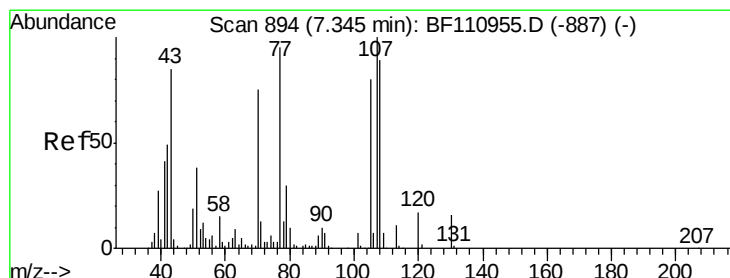
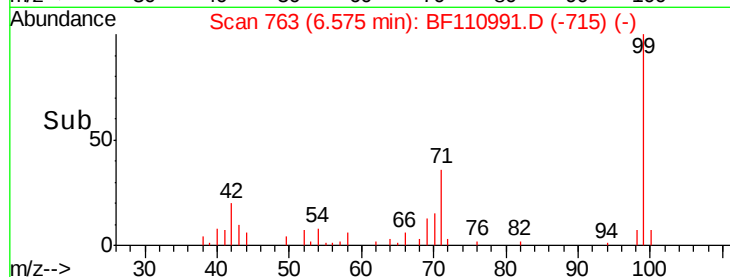
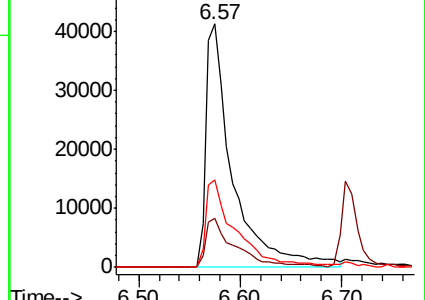
71 36.0 28.0 42.0



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: 16.491 ng

RT: 7.50 min Scan# 921

Delta R.T. 0.15 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Tgt Ion: 70 Resp: 38890

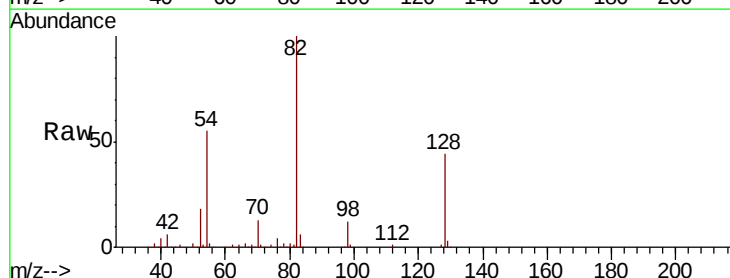
Ion Ratio Lower Upper

70 100

42 48.8 47.4 71.2

101 0.0 7.3 10.9#

130 2.2 16.2 24.2#

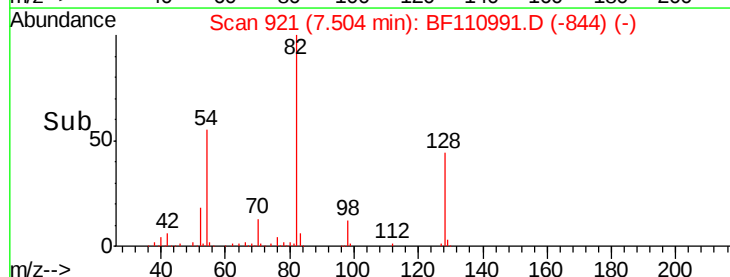
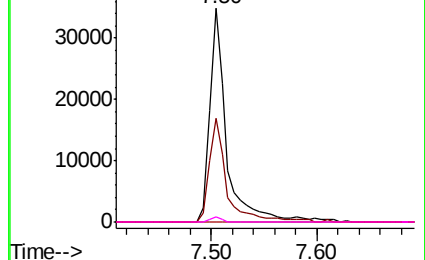


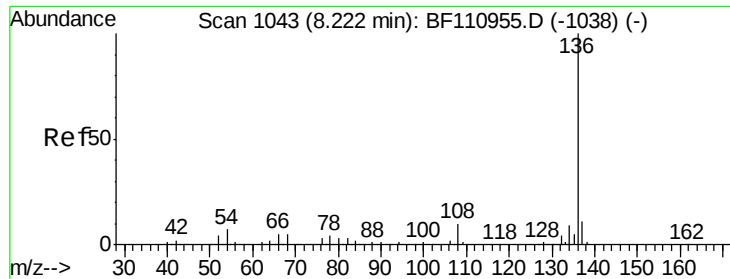
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

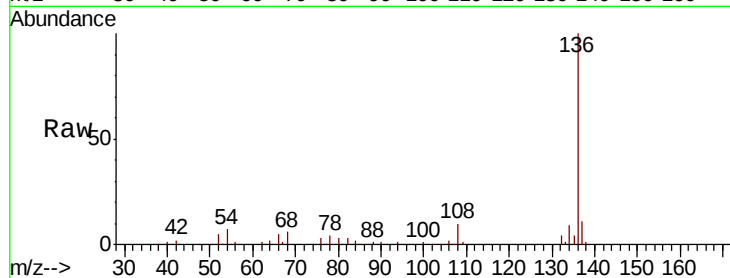




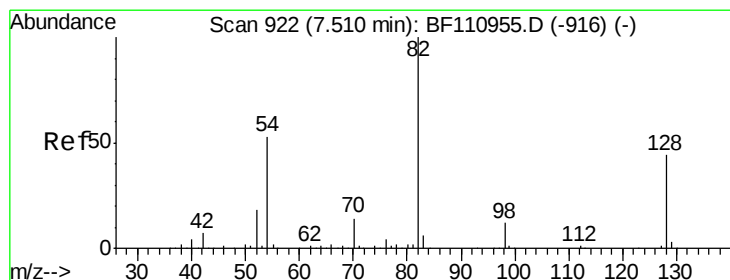
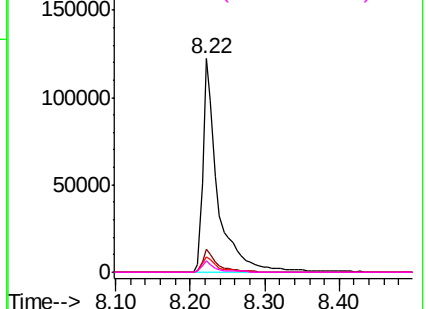
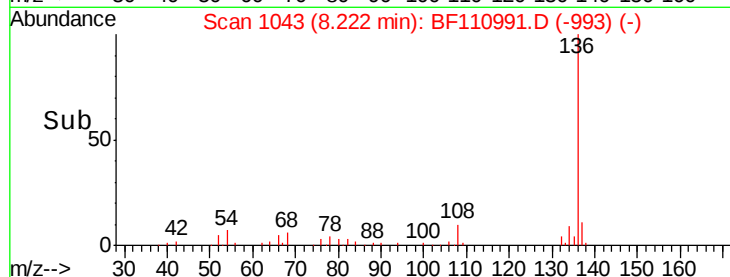
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110991.D
Acq: 27 Nov 2018 4:48

Instrument :
BNA_F
ClientSampleId :
112018-DBRI-E-U-B

Tgt Ion:	136	Resp:	173027
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.4	8.2
68	5.5	4.2	6.2

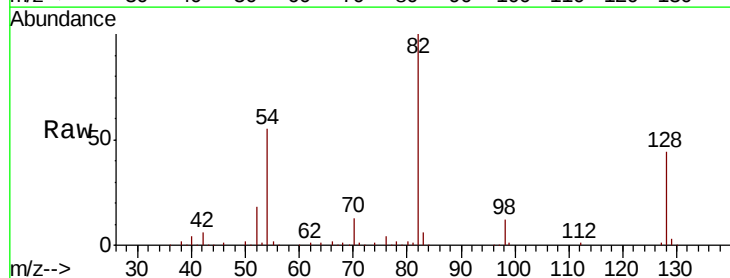


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

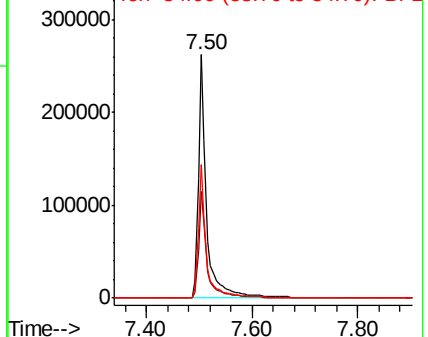
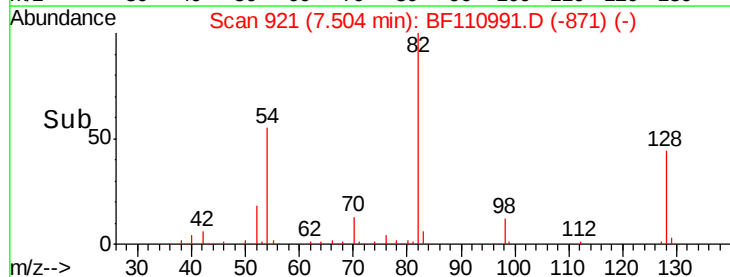


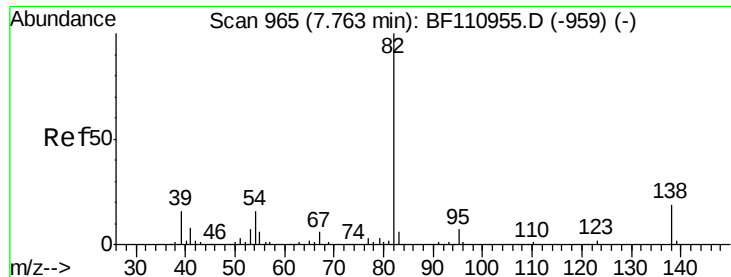
#23
Nitrobenzene-d5
Concen: 97.757 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110991.D
Acq: 27 Nov 2018 4:48

Tgt Ion:	82	Resp:	295550
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.2	51.2
54	54.6	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: 59.595 ng

RT: 7.50 min Scan# 921

Delta R.T. -0.26 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Instrument :

BNA_F

ClientSampleId :

112018-DBRI-E-U-B

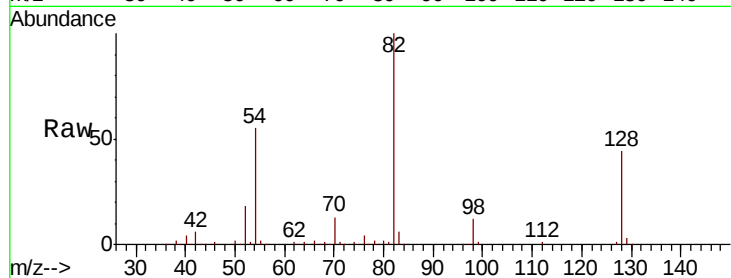
Tgt Ion: 82 Resp: 295550

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

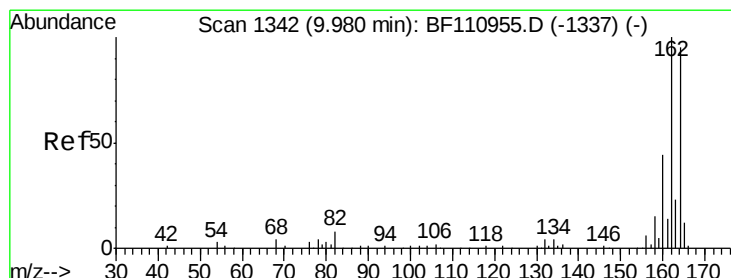
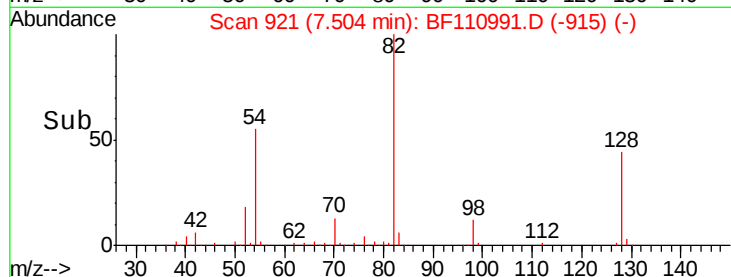
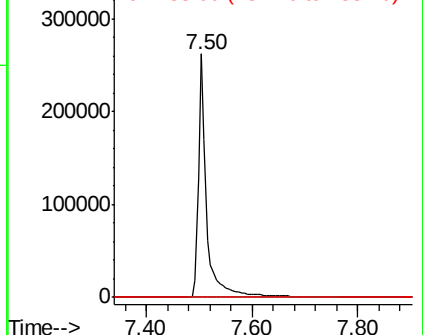
138 0.0 13.2 19.8#



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: BF110991.D

Acq: 27 Nov 2018 4:48

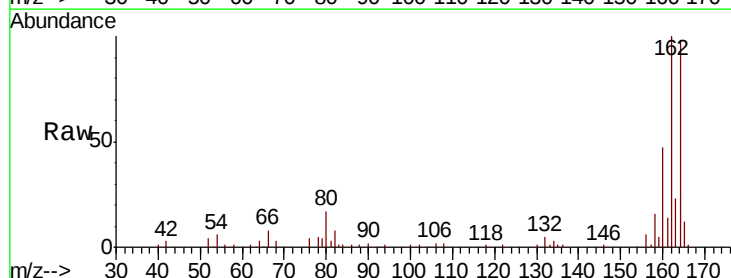
Tgt Ion: 164 Resp: 69692

Ion Ratio Lower Upper

164 100

162 102.3 83.0 124.6

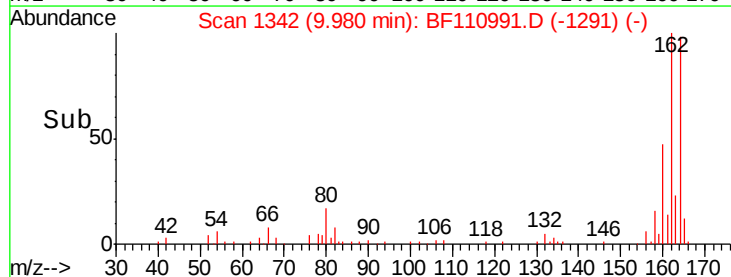
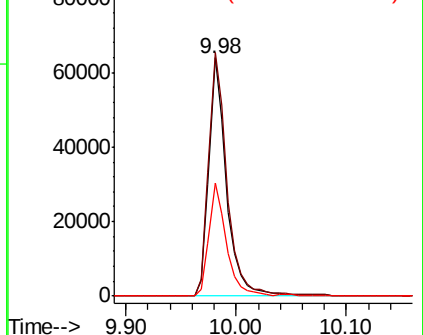
160 47.7 37.0 55.6

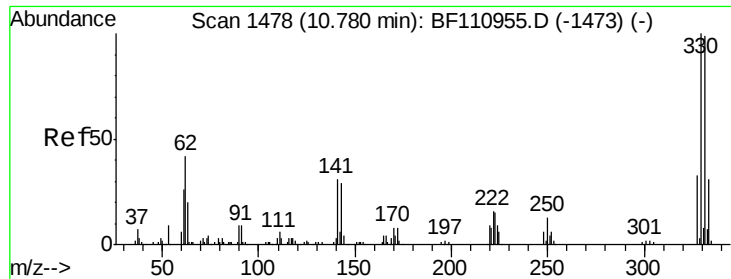


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 83.378 ng

RT: 10.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Instrument :

BNA_F

ClientSampleId :

112018-DBRI-E-U-B

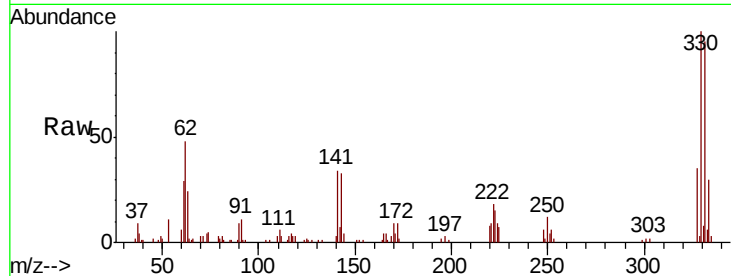
Tgt Ion:330 Resp: 57709

Ion Ratio Lower Upper

330 100

332 95.1 77.1 115.7

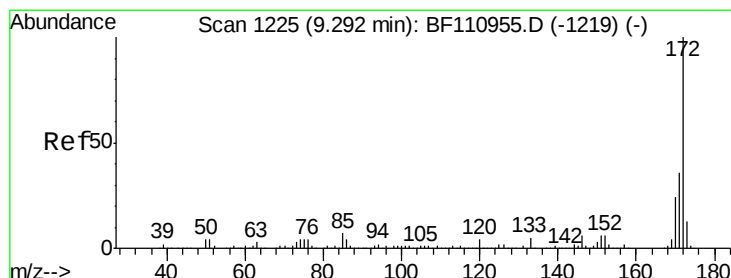
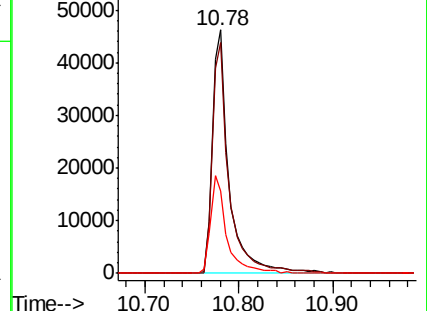
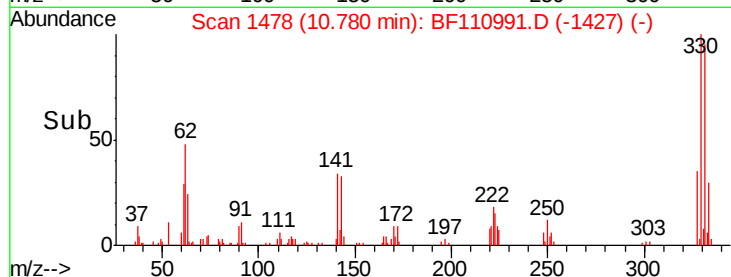
141 38.6 27.0 40.4



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: 106.716 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

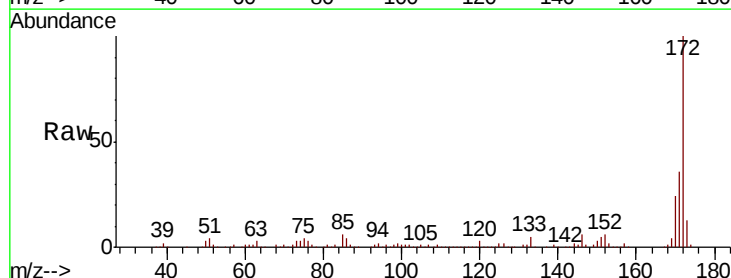
Tgt Ion:172 Resp: 513349

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

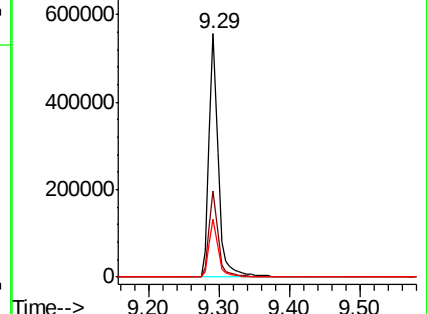
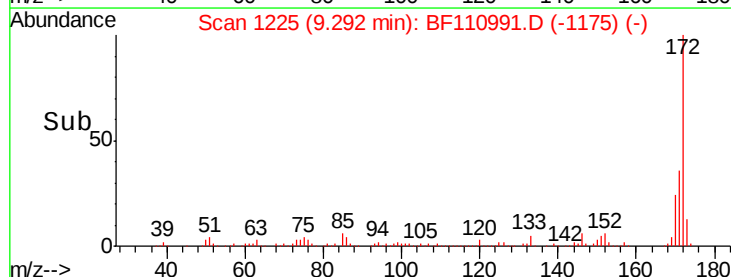
170 23.9 19.7 29.5

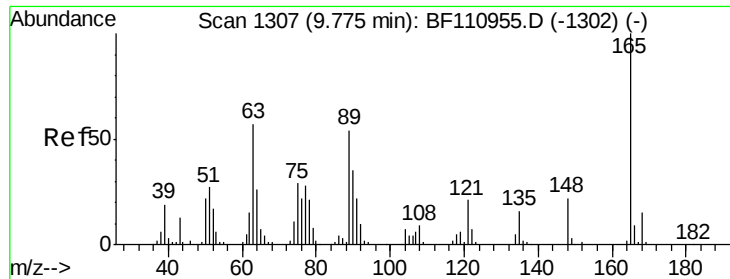


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

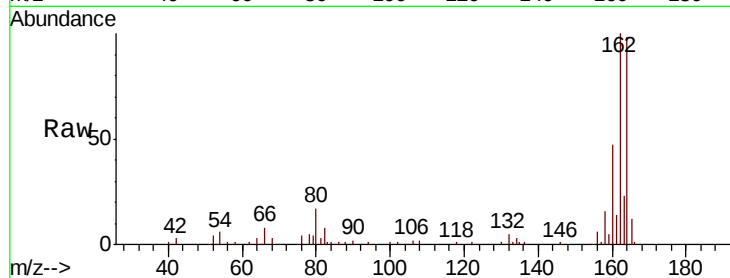




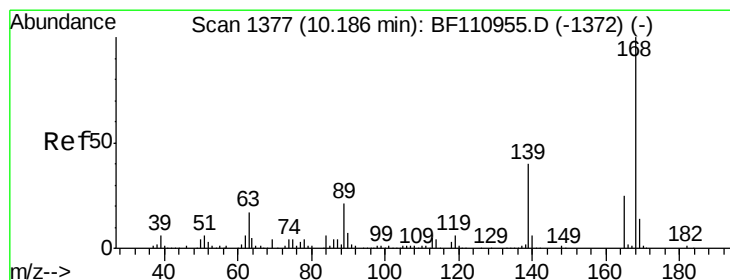
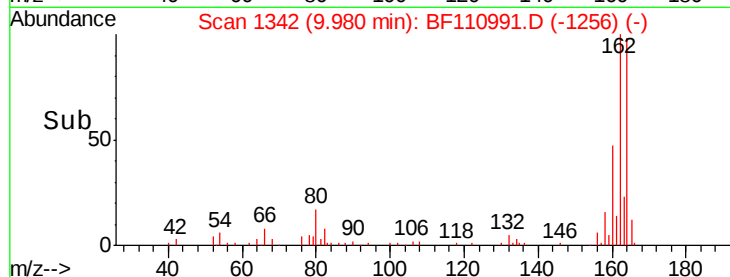
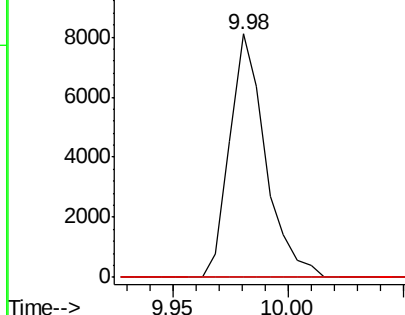
#51
 2,6-Dinitrotoluene
 Concen: 7.718 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110991.D
 Acq: 27 Nov 2018 4:48

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



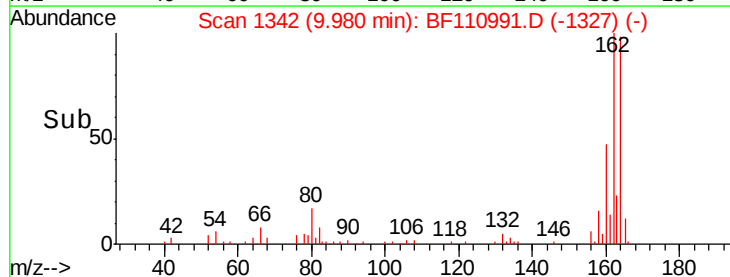
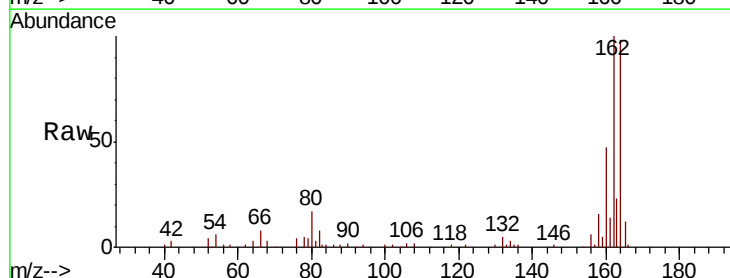
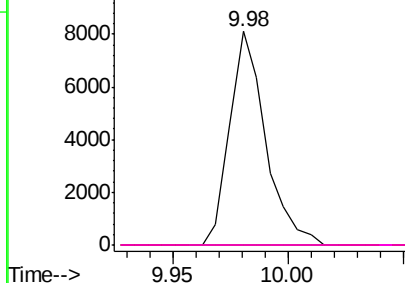
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

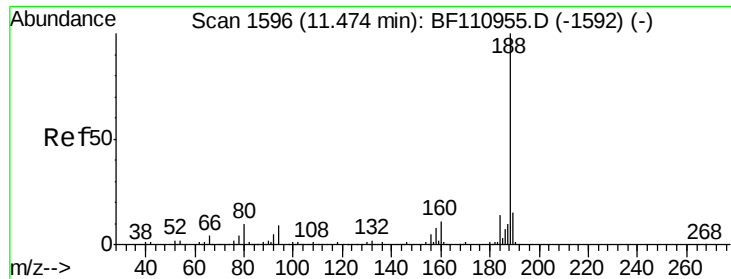


#57
 2,4-Dinitrotoluene
 Concen: 5.949 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110991.D
 Acq: 27 Nov 2018 4:48

Tgt 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. 0.00 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Instrument :

BNA_F

ClientSampleId :

112018-DBRI-E-U-B

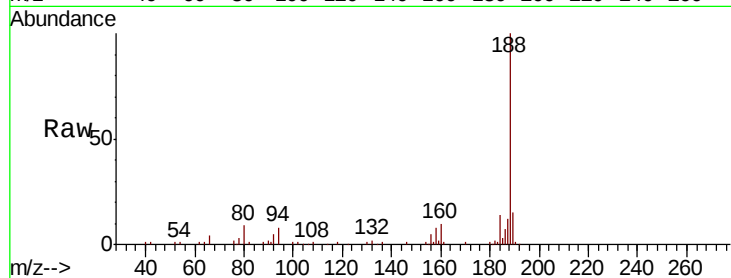
Tgt Ion:188 Resp: 128265

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

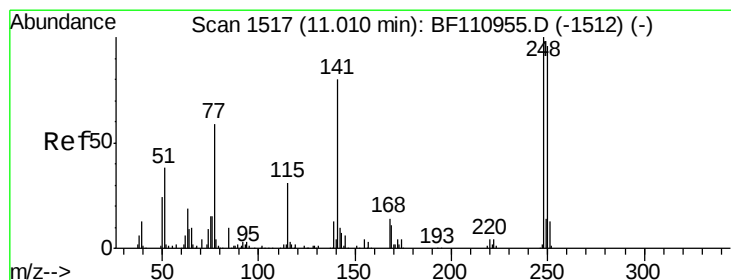
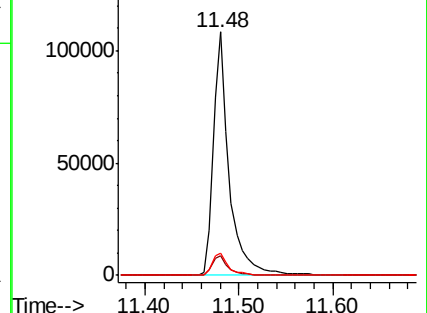
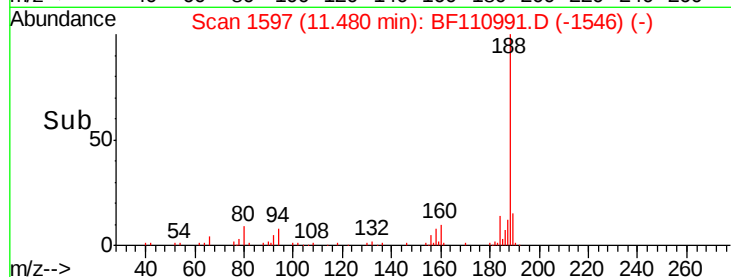
80 9.3 7.9 11.9



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: 2.438 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.24 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

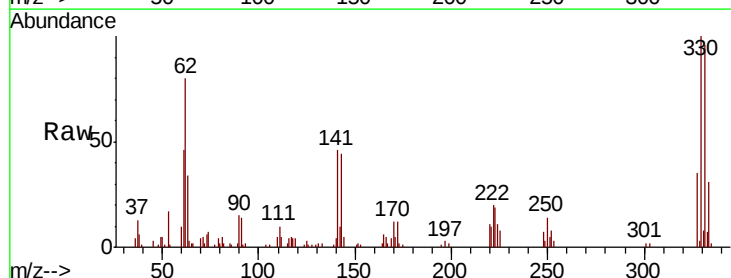
Tgt Ion:248 Resp: 3406

Ion Ratio Lower Upper

248 100

250 189.2 79.4 119.2#

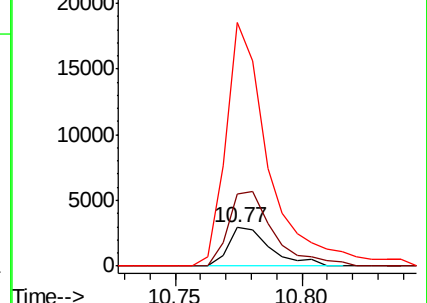
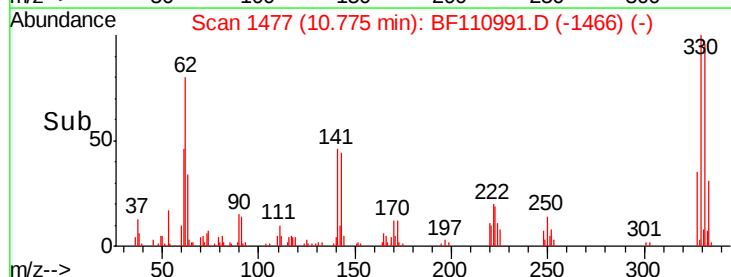
141 637.2 55.9 83.9#

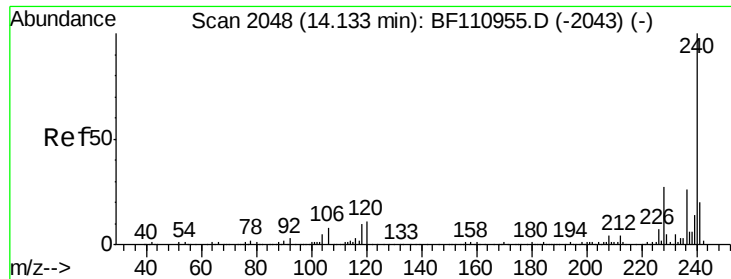


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

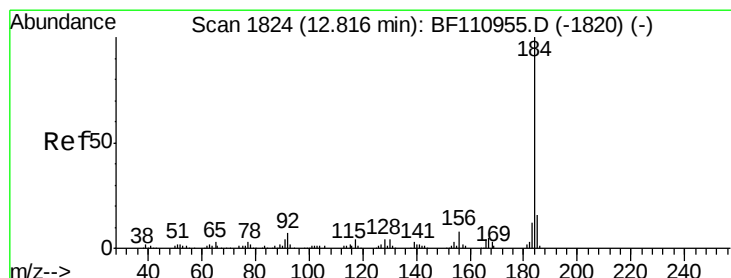
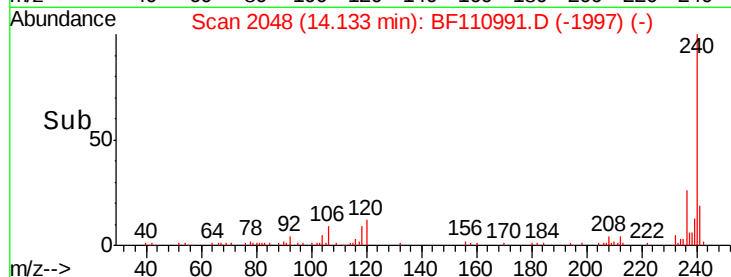
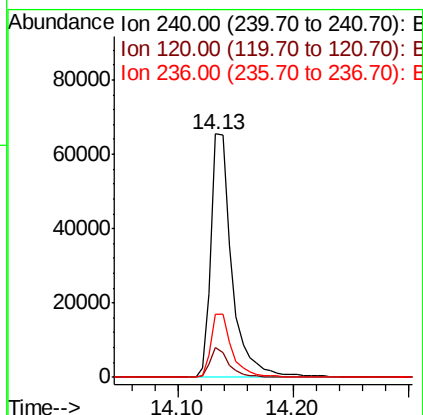
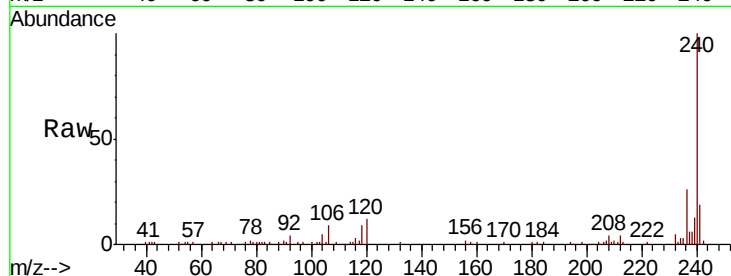




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.00 min
Lab File: BF110991.D
Acq: 27 Nov 2018 4:48

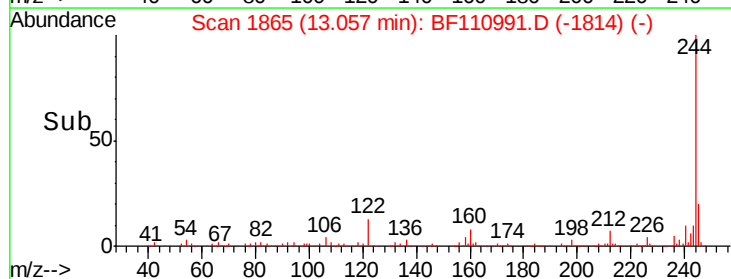
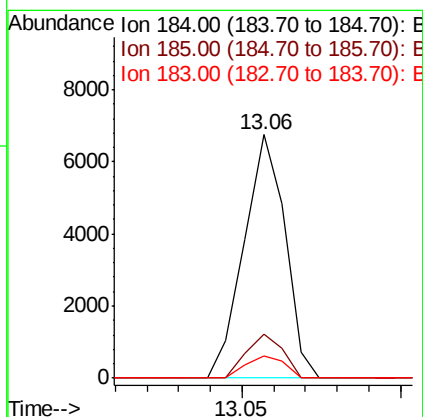
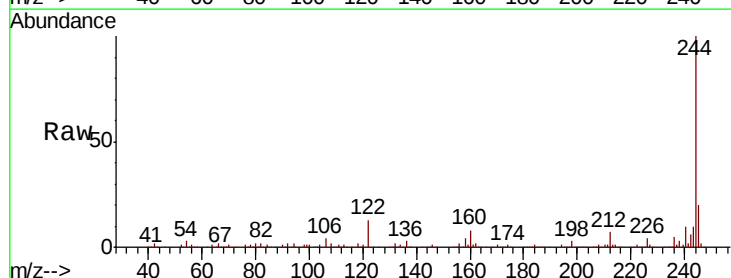
Instrument :
BNA_F
ClientSampleId :
112018-DBRI-E-U-B

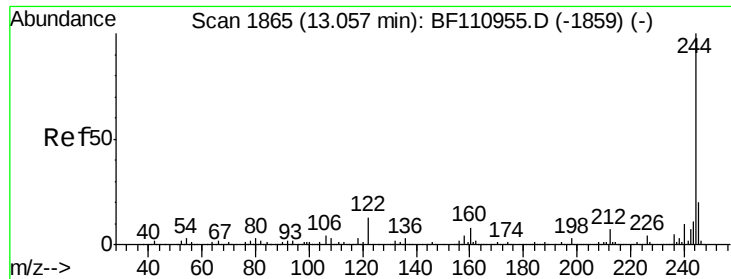
Tgt Ion:240 Resp: 82707
Ion Ratio Lower Upper
240 100
120 12.4 8.3 12.5
236 25.7 21.2 31.8



#77
Benzidine
Concen: 2.866 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.00 min
Lab File: BF110991.D
Acq: 27 Nov 2018 4:48

Tgt Ion:184 Resp: 6064
Ion Ratio Lower Upper
184 100
185 18.3 13.4 20.2
183 9.3 9.4 14.2#





#79

Terphenyl-d14

Concen: 110.337 ng

RT: 13.06 min Scan# 1865

Delta R.T. 0.00 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

Instrument :

BNA_F

ClientSampleId :

112018-DBRI-E-U-B

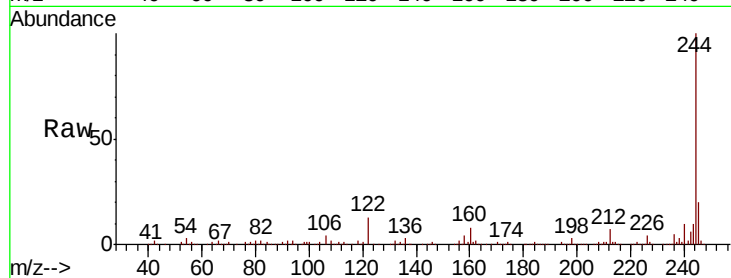
Tgt Ion:244 Resp: 468787

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

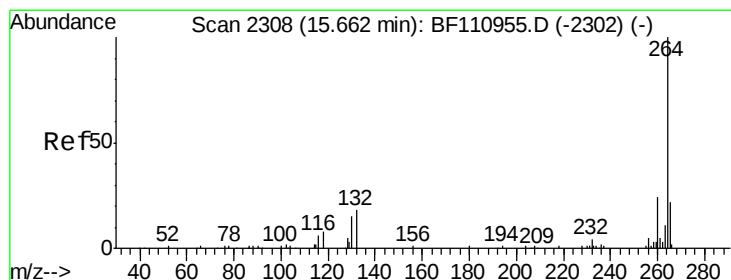
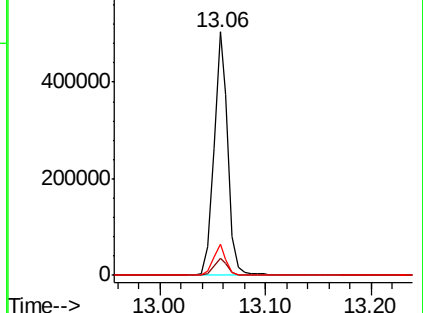
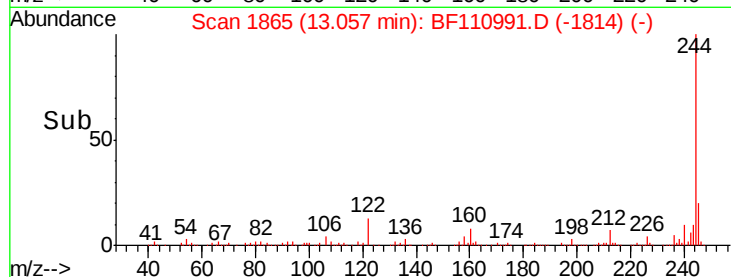
122 12.5 8.7 13.1



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: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF110991.D

Acq: 27 Nov 2018 4:48

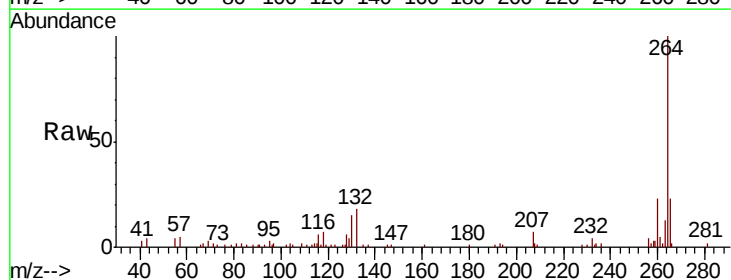
Tgt Ion:264 Resp: 61956

Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 23.0 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

