

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111218\
 Data File : BF110699.D
 Acq On : 13 Nov 2018 3:33
 Operator : JU/SJ
 Sample : J5904-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 110818-DBRI-F-U-S

Quant Time: Nov 13 07:19:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

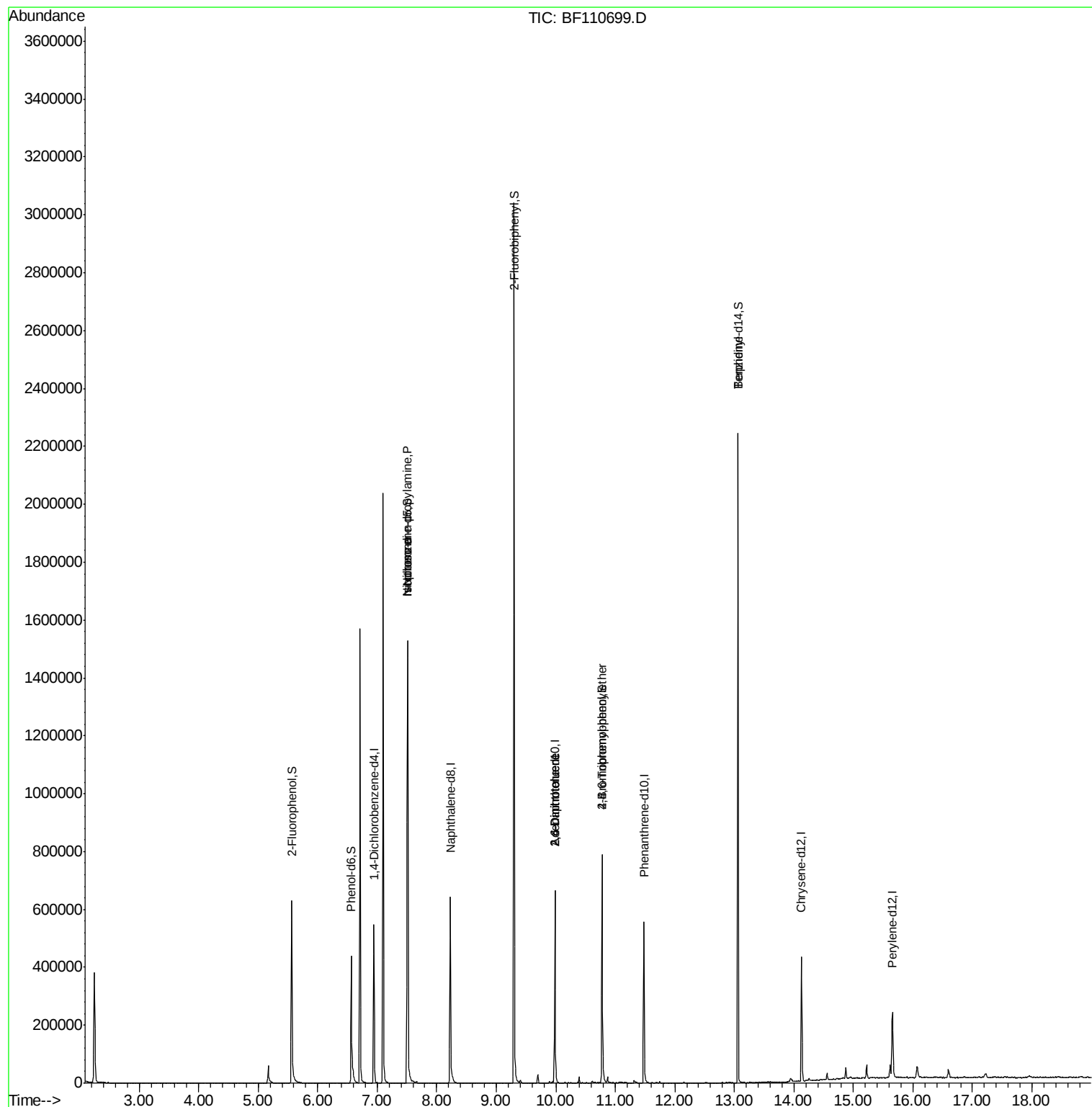
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	82935	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	343160	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	148163	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	235006	20.00	ng	0.00
76) Chrysene-d12	14.13	240	162692	20.00	ng	-0.01
87) Perylene-d12	15.66	264	123455	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	212982	41.71	ng	0.00
7) Phenol-d6	6.56	99	163916	25.11	ng	-0.01
23) Nitrobenzene-d5	7.51	82	584588	98.11	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	99202	66.45	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1043944	100.63	ng	0.00
79) Terphenyl-d14	13.06	244	702595	80.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	77980	18.710	ng	# 79
25) Isophorone	7.51	82	584584	59.857	ng	# 67
51) 2,6-Dinitrotoluene	9.99	165	18947	7.791	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	18947	5.992	ng	# 17
67) 4-Bromophenyl-phenylether	10.77	248	6120	2.356	ng	# 1
77) Benzidine	13.06	184	9124	2.039	ng	95

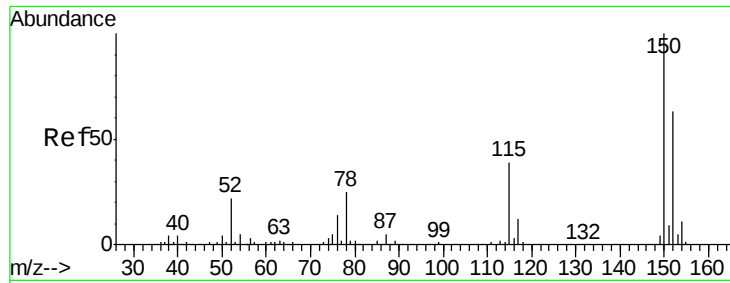
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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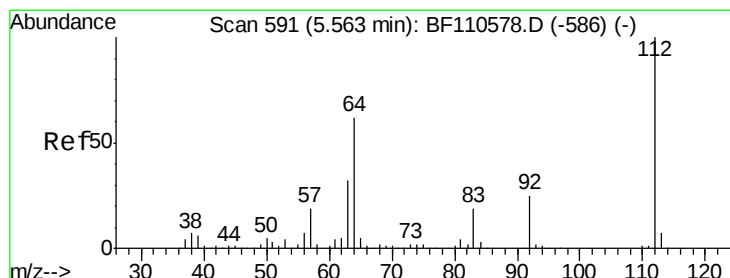
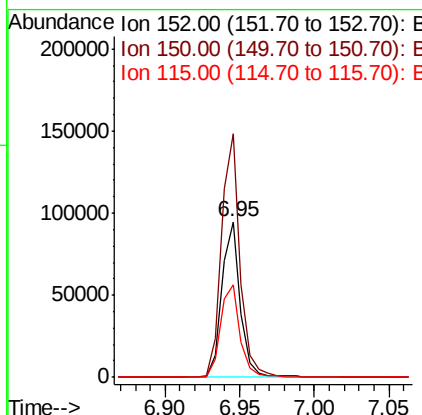
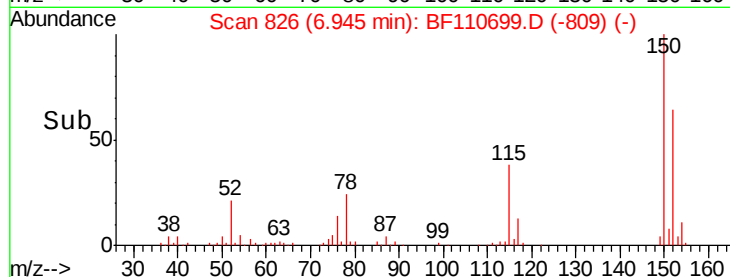
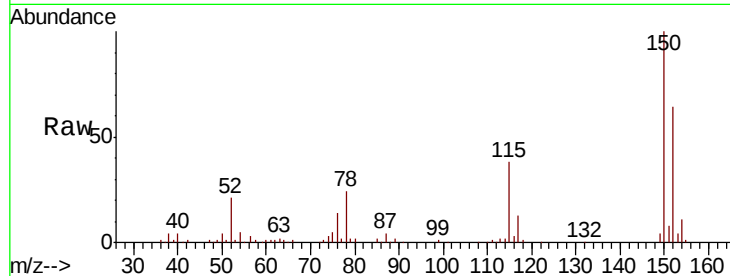




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

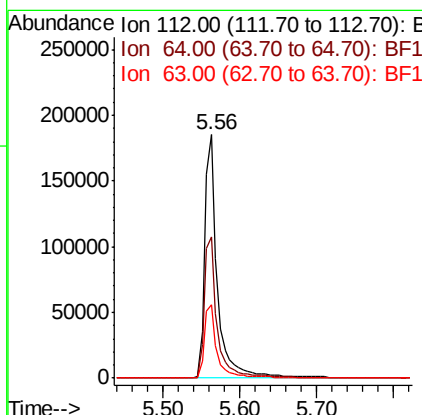
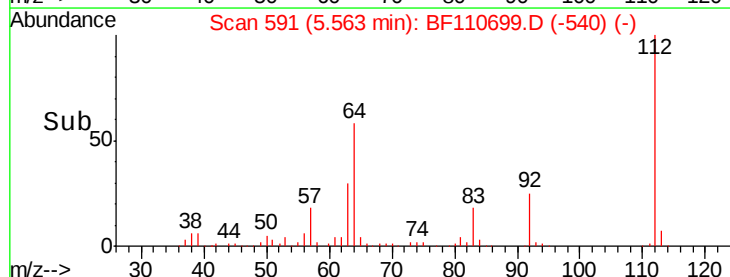
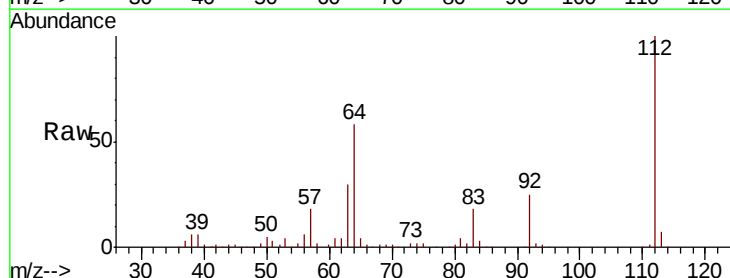
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 BNA_F
 ClientSampleId :
 110818-DBRI-F-U-S

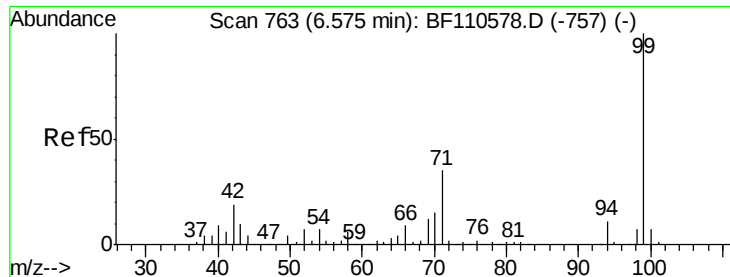
Tgt Ion:	152	Resp:	82935
Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.7	184.1
115	59.8	49.1	73.7



#5
 2-Fluorophenol
 Concen: 41.713 ng
 RT: 5.56 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

Tgt Ion:	112	Resp:	212982
Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 25.105 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

Instrument :

BNA_F

ClientSampleId :

110818-DBRI-F-U-S

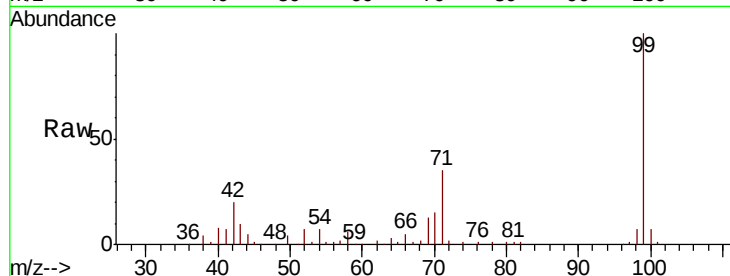
Tgt Ion: 99 Resp: 163916

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

71 35.0 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

200000

150000

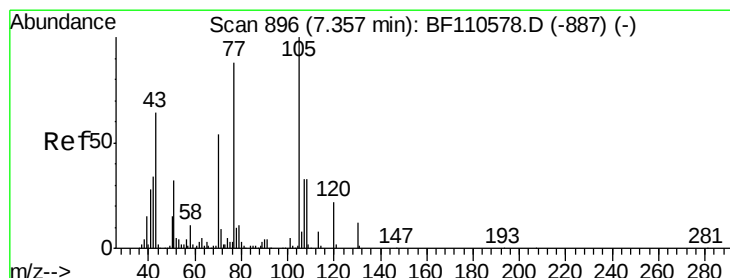
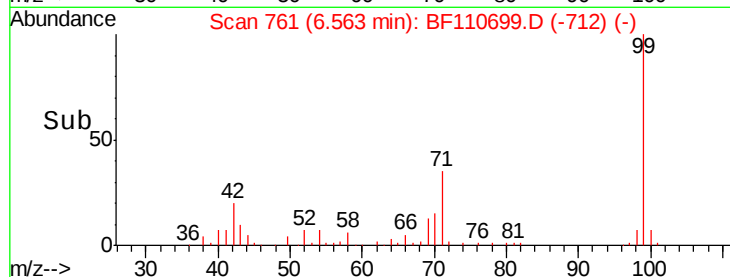
100000

50000

0

6.50 6.55 6.60 6.65 6.70

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 18.710 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

Tgt Ion: 70 Resp: 77980

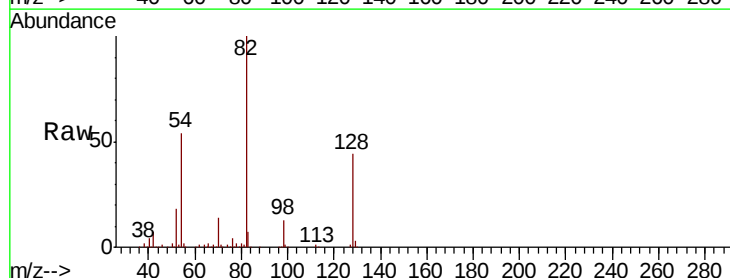
Ion Ratio Lower Upper

70 100

42 48.8 47.4 71.2

101 0.0 7.3 10.9#

130 1.9 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

100000

80000

60000

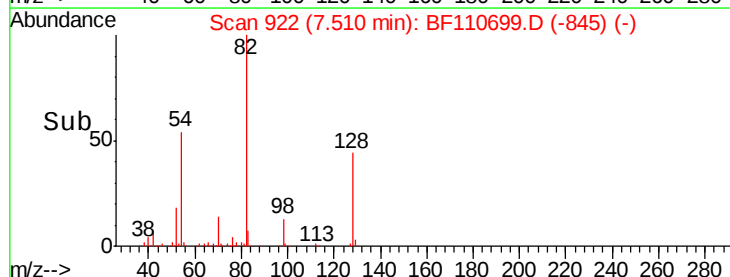
40000

20000

0

7.45 7.50 7.55 7.60

Time-->

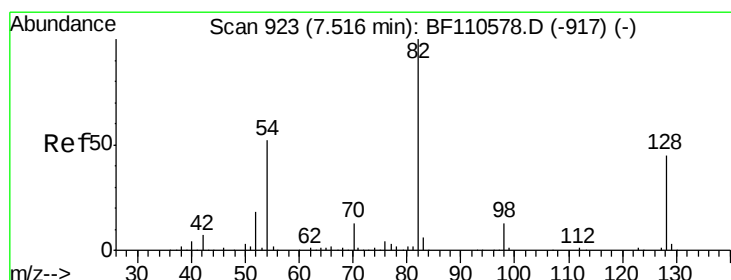
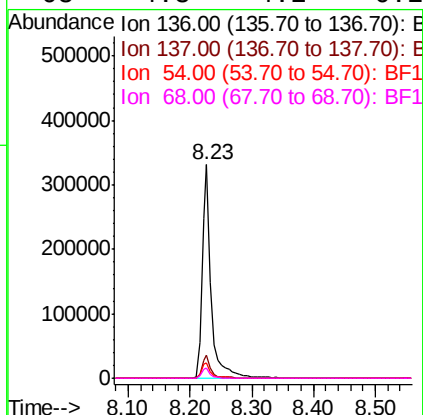
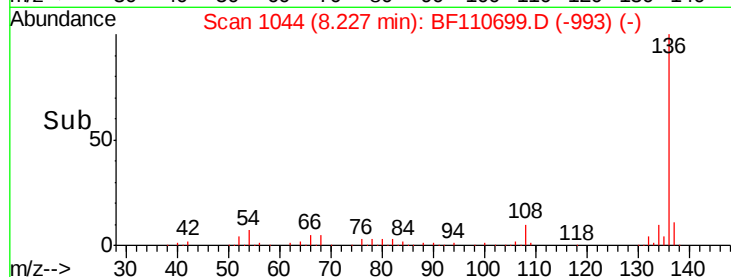
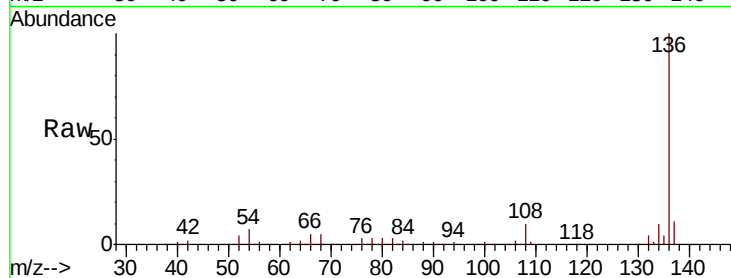




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

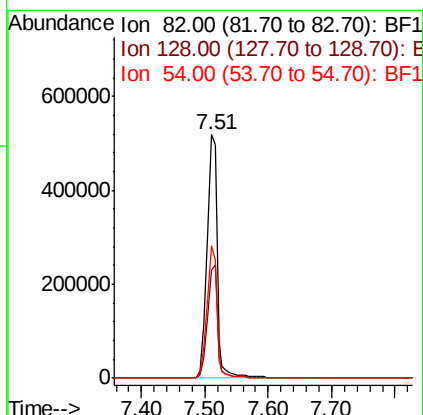
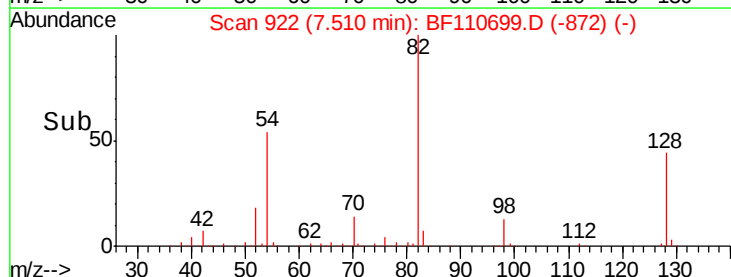
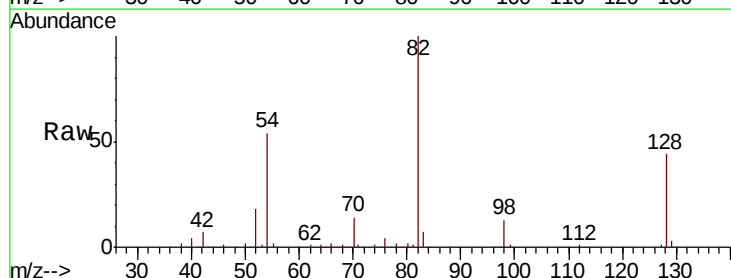
Instrument :
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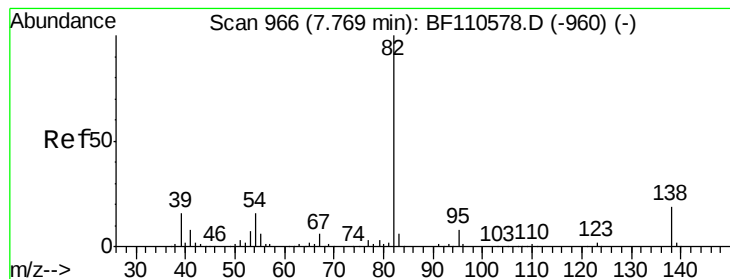
Tgt Ion:	136	Resp:	343160
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.4	5.4	8.2
68	4.8	4.2	6.2



#23
Nitrobenzene-d5
Concen: 98.106 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

Tgt Ion:	82	Resp:	584588
Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.2	51.2
54	54.3	38.6	58.0





#25

Isophorone

Concen: 59.857 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

Instrument :

BNA_F

ClientSampleId :

110818-DBRI-F-U-S

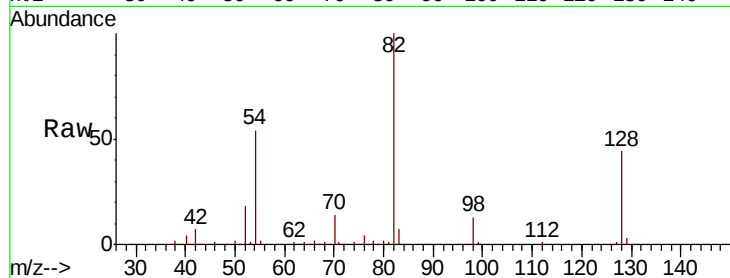
Tgt Ion: 82 Resp: 584584

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

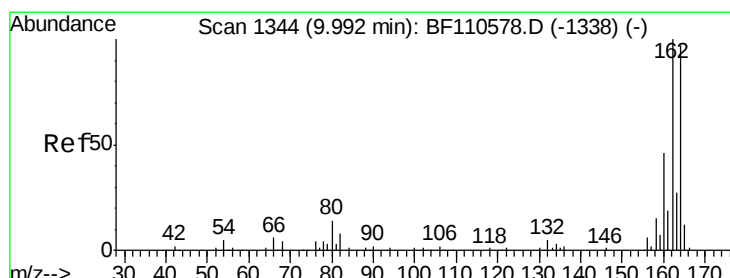
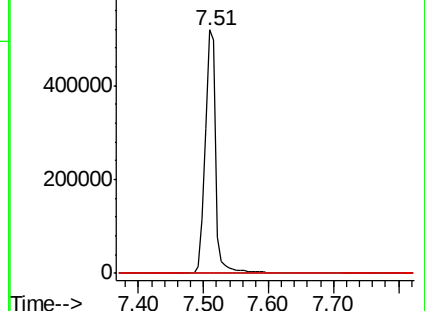
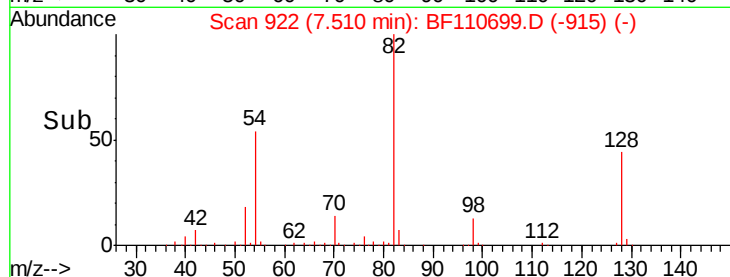
138 0.0 13.2 19.8#



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: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

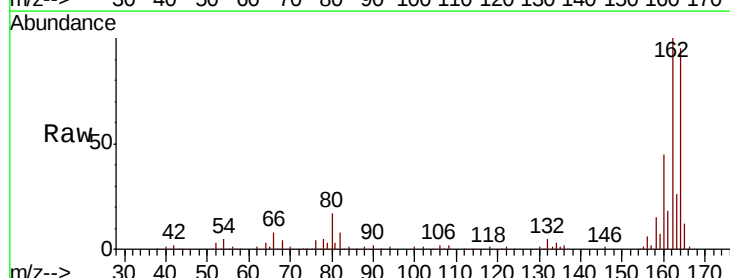
Tgt Ion: 164 Resp: 148163

Ion Ratio Lower Upper

164 100

162 104.7 83.0 124.6

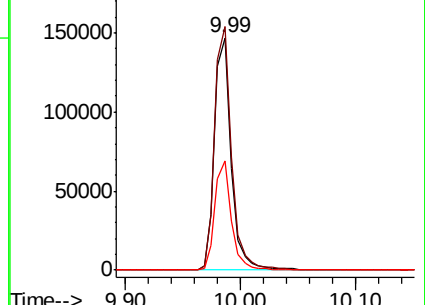
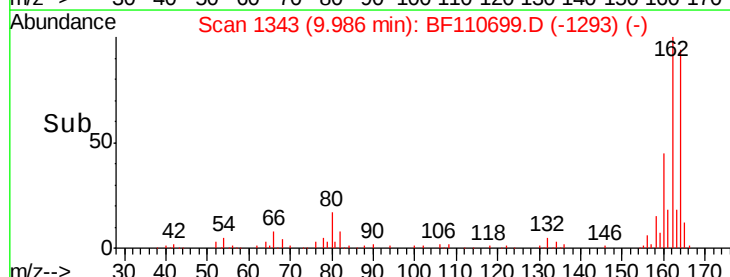
160 47.2 37.0 55.6

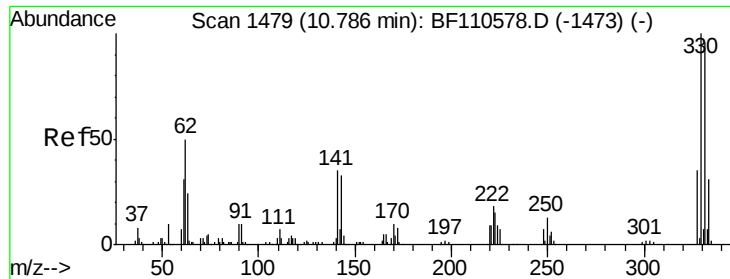


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

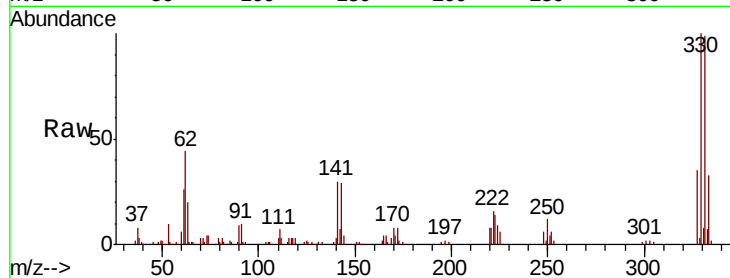




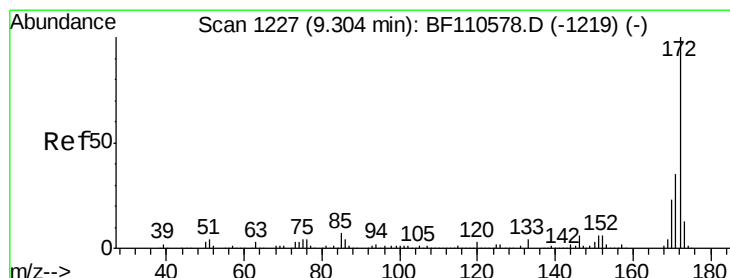
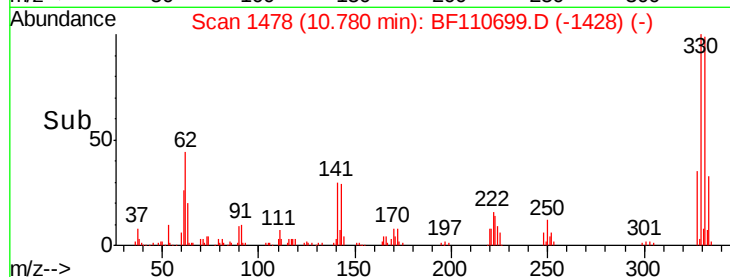
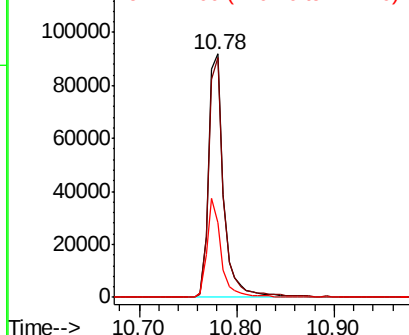
#42
 2,4,6-Tribromophenol
 Concen: 66.448 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

Instrument :
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 ClientSampleId :
 110818-DBRI-F-U-S

Tgt Ion:330 Resp: 99202
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.1 115.7
 141 37.4 27.0 40.4

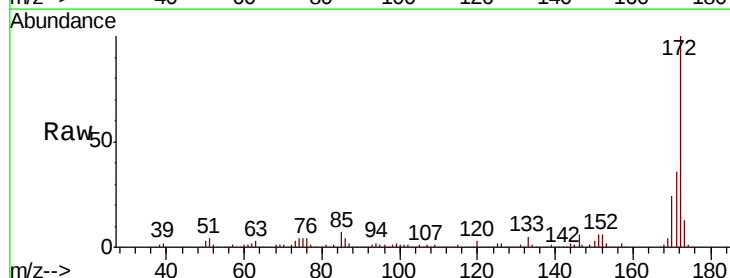


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

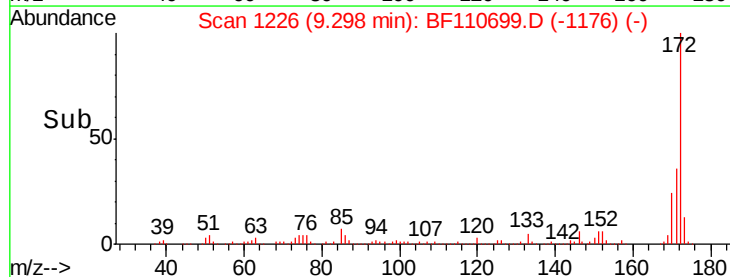
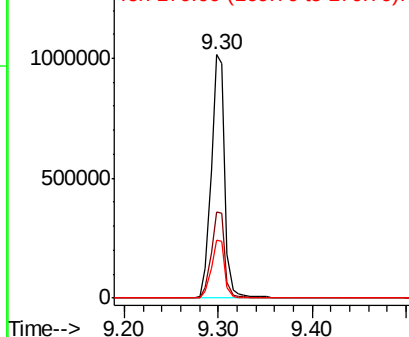


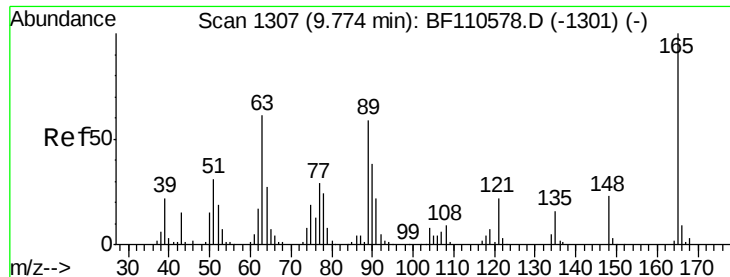
#45
 2-Fluorobiphenyl
 Concen: 100.628 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

Tgt Ion:172 Resp: 1043944
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.7 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

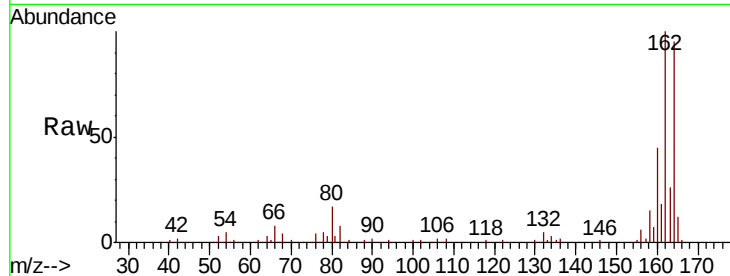




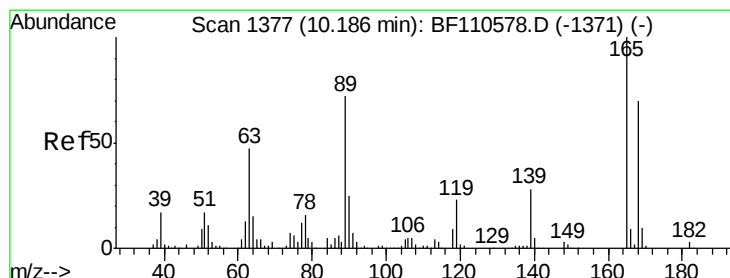
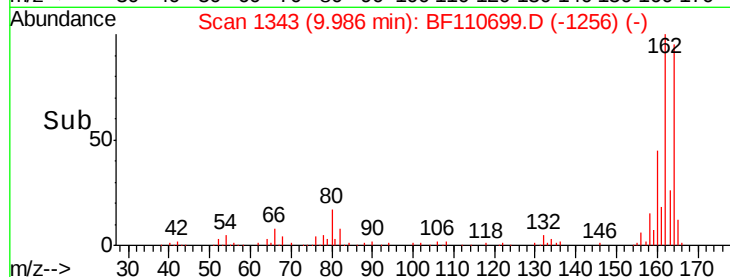
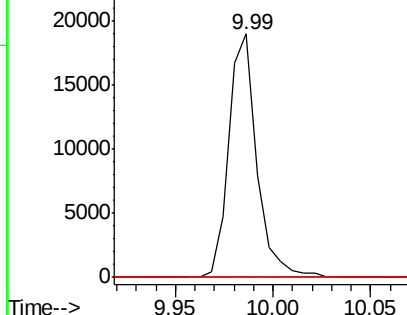
#51
 2,6-Dinitrotoluene
 Concen: 7.791 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

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 BNA_F
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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#



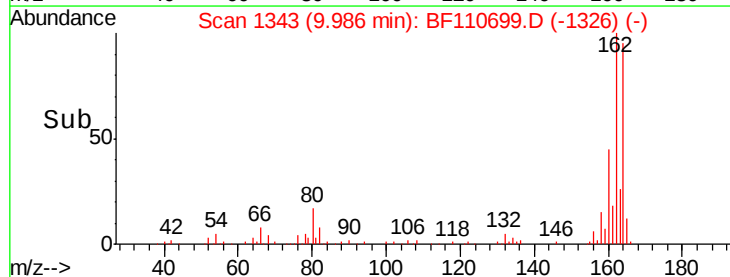
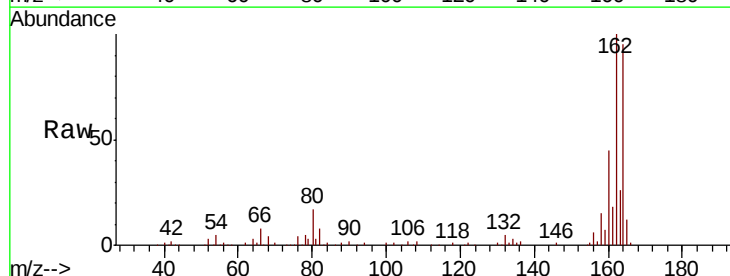
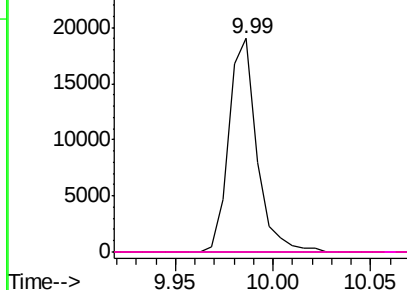
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

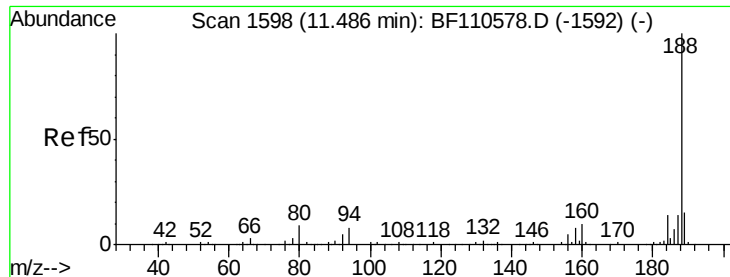


#57
 2,4-Dinitrotoluene
 Concen: 5.992 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110699.D
 Acq: 13 Nov 2018 3:33

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

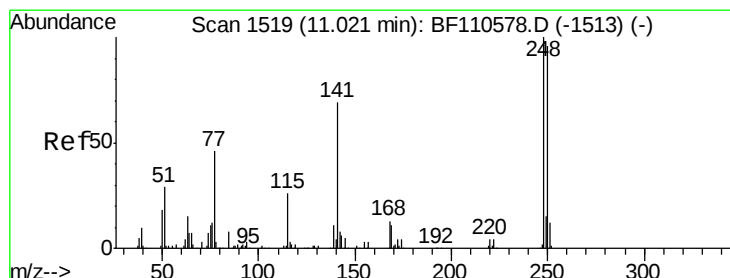
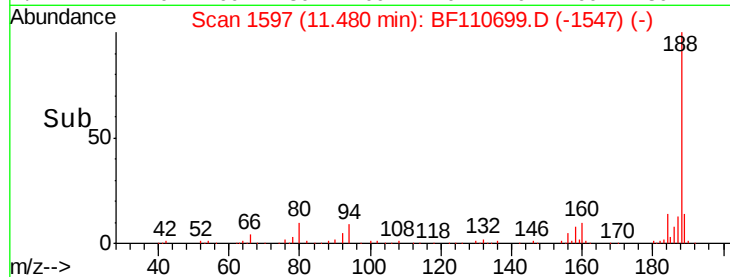
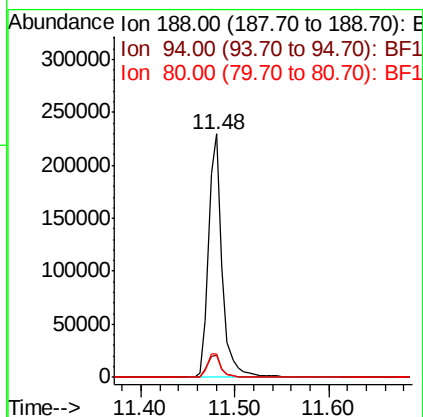
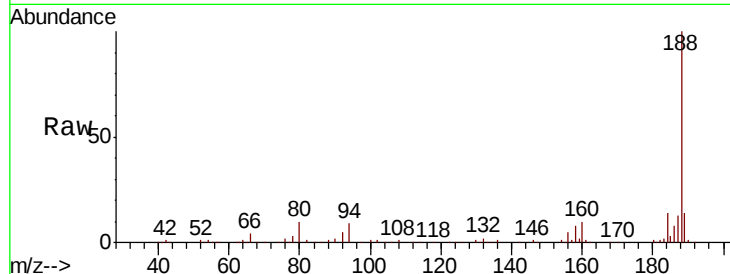




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

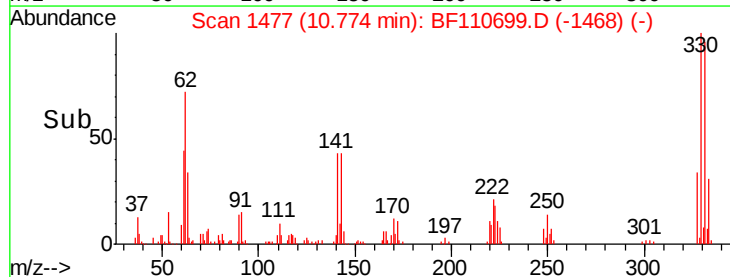
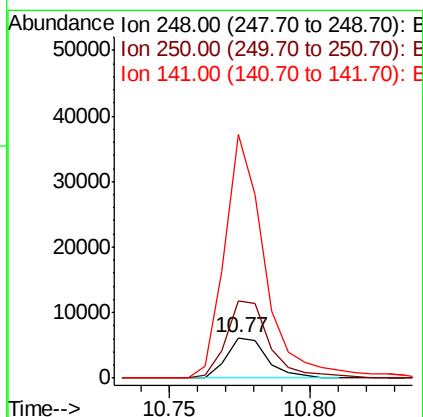
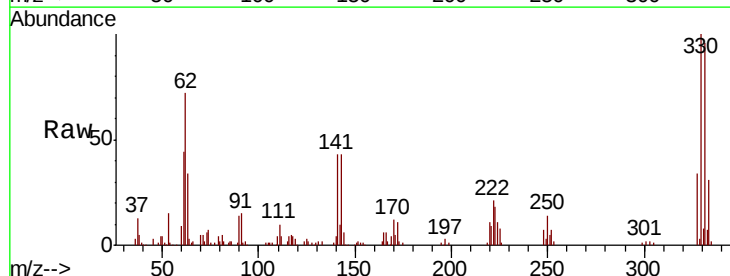
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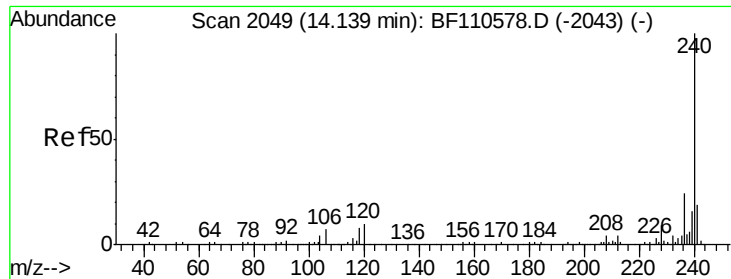
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.6	7.9	11.9



#67
4-Bromophenyl-phenylether
Concen: 2.356 ng
RT: 10.77 min Scan# 1477
Delta R.T. -0.25 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.1	79.4	119.2#
141	602.0	55.9	83.9#

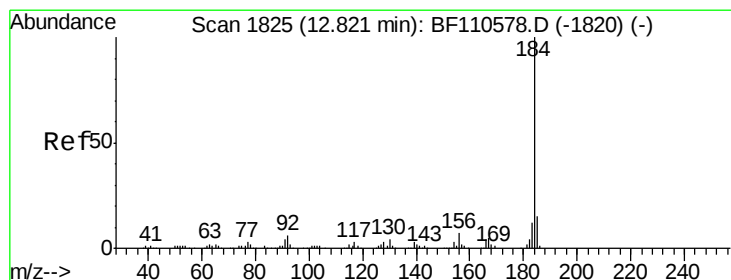
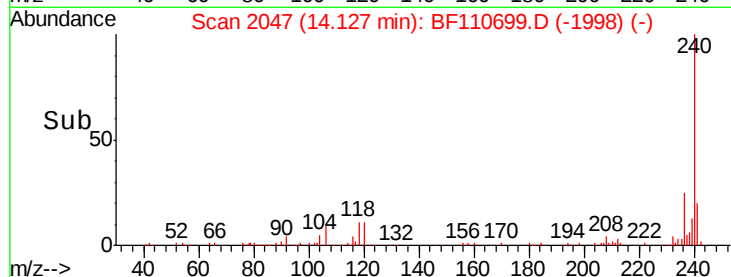
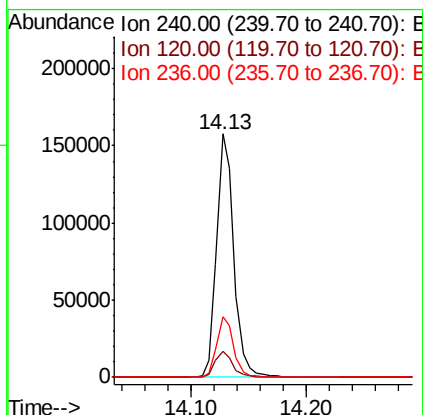
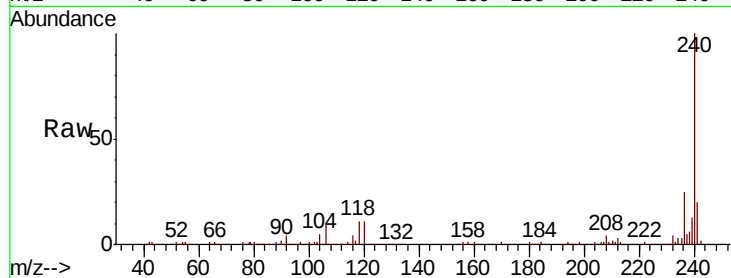




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

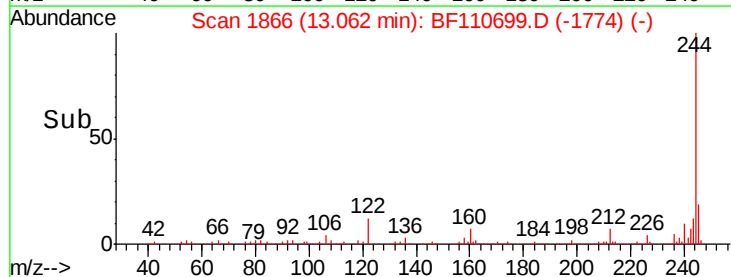
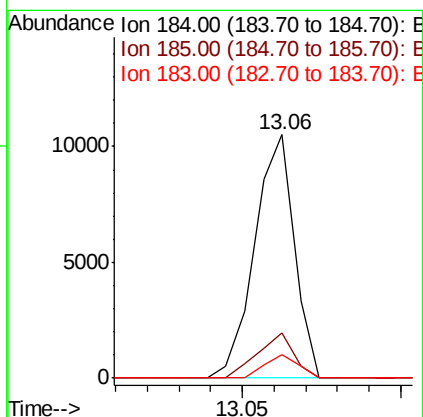
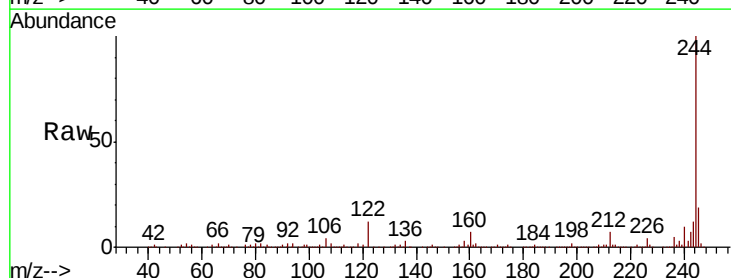
Instrument :
BNA_F
ClientSampleId :
110818-DBRI-F-U-S

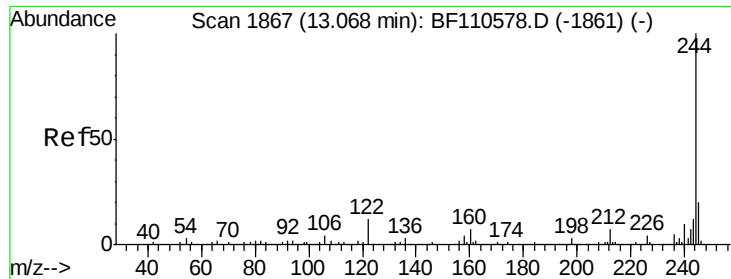
Tgt Ion:240 Resp: 162692
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 24.7 21.2 31.8



#77
Benzidine
Concen: 2.039 ng
RT: 13.06 min Scan# 1866
Delta R.T. 0.24 min
Lab File: BF110699.D
Acq: 13 Nov 2018 3:33

Tgt Ion:184 Resp: 9124
Ion Ratio Lower Upper
184 100
185 18.8 13.4 20.2
183 9.6 9.4 14.2





#79

Terphenyl-d14

Concen: 80.876 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

Instrument :

BNA_F

ClientSampleId :

110818-DBRI-F-U-S

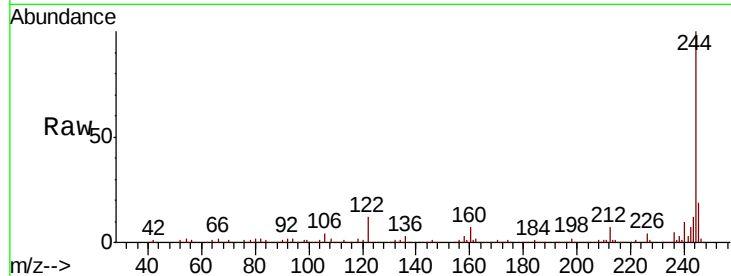
Tgt Ion:244 Resp: 702595

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

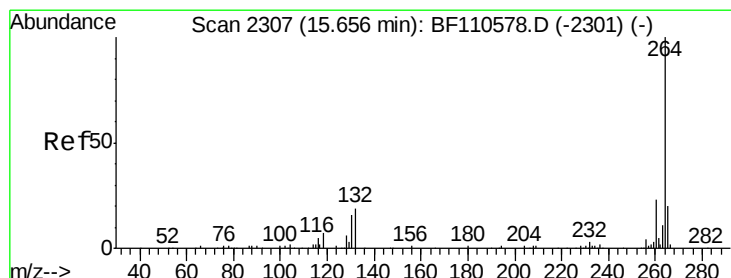
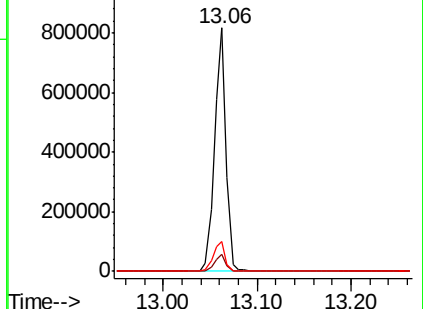
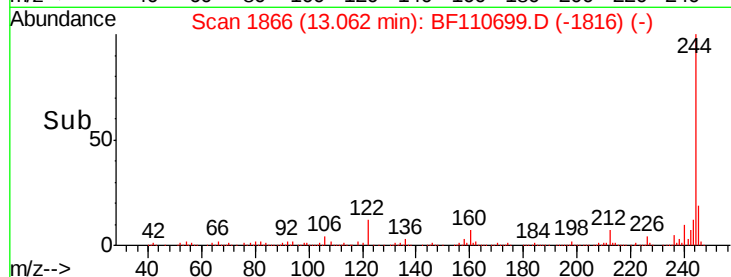
122 12.1 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BF110699.D

Acq: 13 Nov 2018 3:33

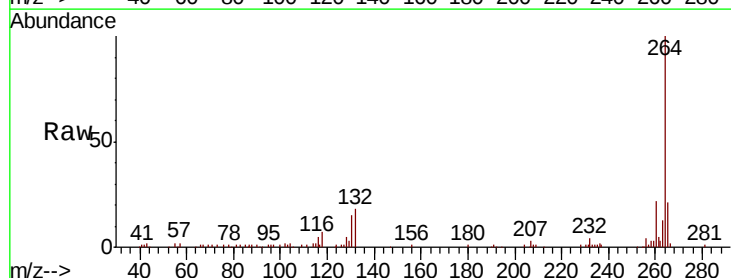
Tgt Ion:264 Resp: 123455

Ion Ratio Lower Upper

264 100

260 22.0 18.7 28.1

265 20.9 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

