

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022119\
 Data File : BF112659.D
 Acq On : 21 Feb 2019 18:12
 Operator : JU/SJ
 Sample : K1538-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-11-A-D

Quant Time: Feb 21 21:48:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

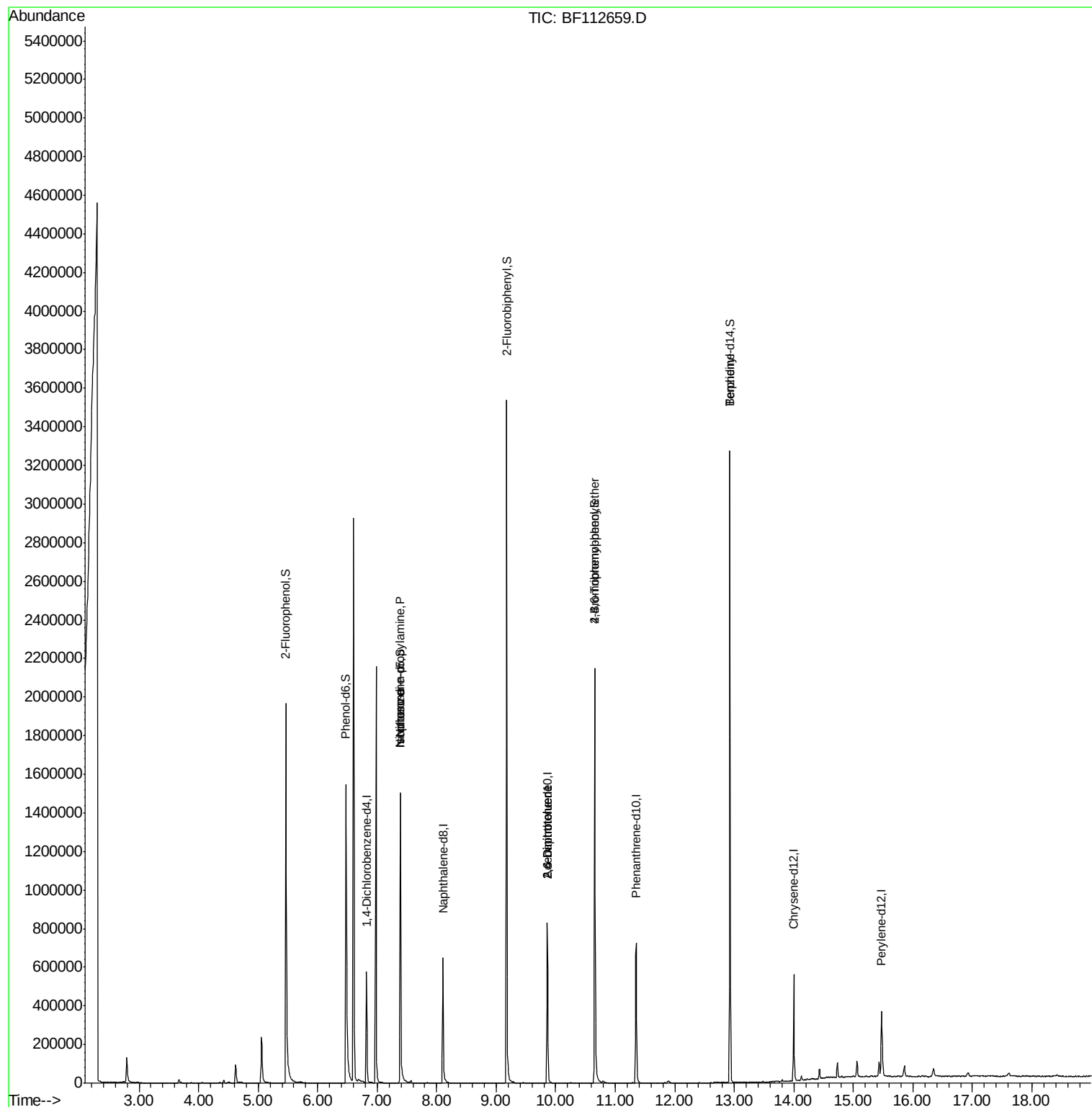
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	92111	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	355454	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	172623	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	322826	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	207874	20.00	ng	-0.01
87) Perylene-d12	15.47	264	191103	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	633830	146.16	ng	-0.01
7) Phenol-d6	6.47	99	693499	115.09	ng	-0.02
23) Nitrobenzene-d5	7.39	82	605591	98.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	295073	146.85	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1205915	98.80	ng	-0.03
79) Terphenyl-d14	12.93	244	1172386	106.22	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	82900	19.951	ng	# 77
25) Isophorone	7.39	82	605587	62.575	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	21725	7.233	ng	# 35
57) 2,4-Dinitrotoluene	9.86	165	21725	5.681	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17837	4.698	ng	# 1
77) Benzidine	12.93	184	17066	2.983	ng	98

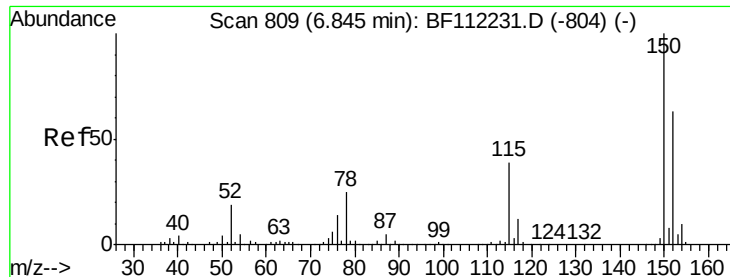
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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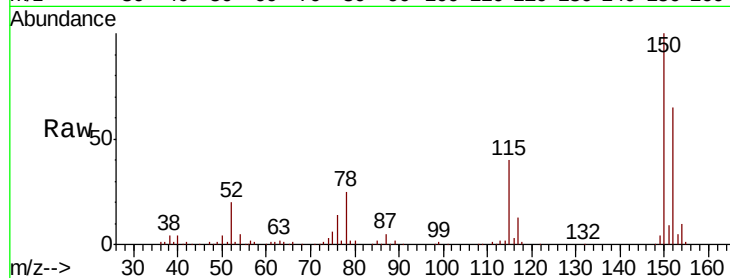


#1

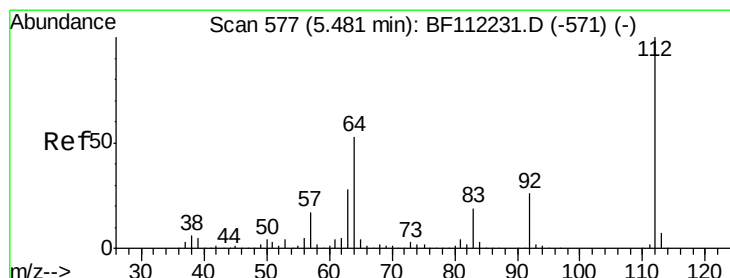
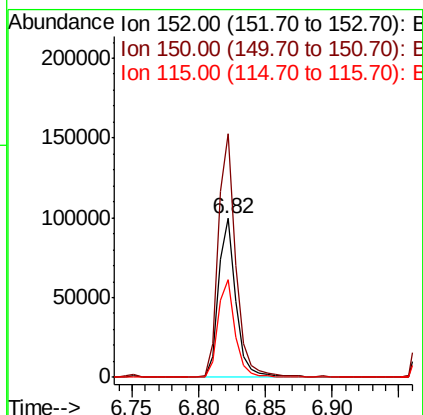
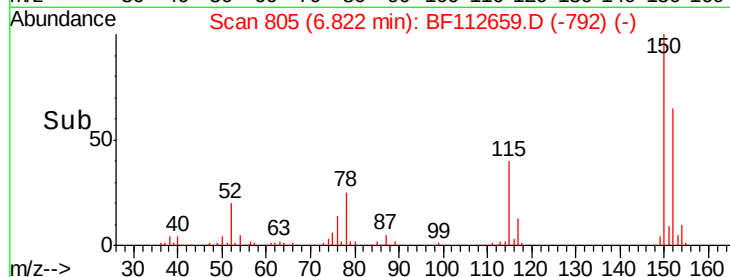
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112659.D
Acq: 21 Feb 2019 18:12

Instrument :
BNA_F
ClientSampleId :
M-11-A-D

Tgt Ion:152 Resp: 92111
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 61.5 45.5 68.3



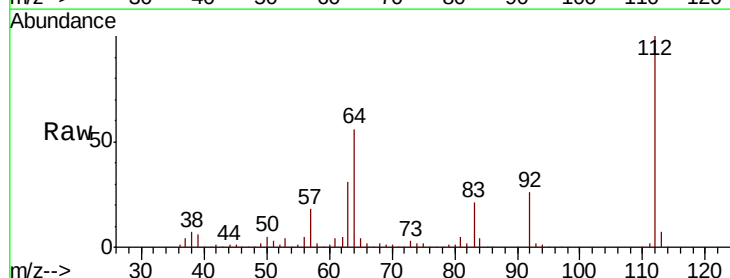
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



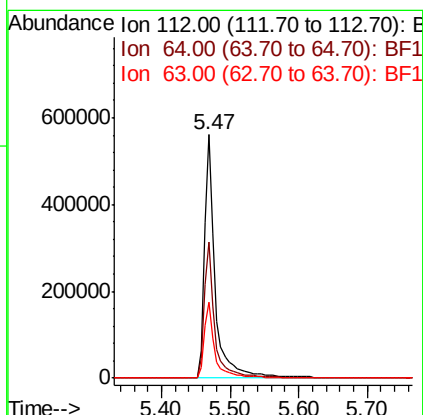
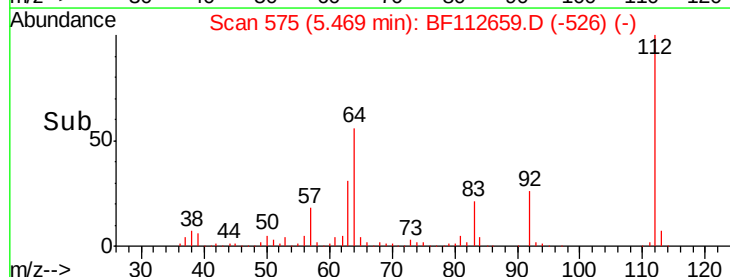
#5

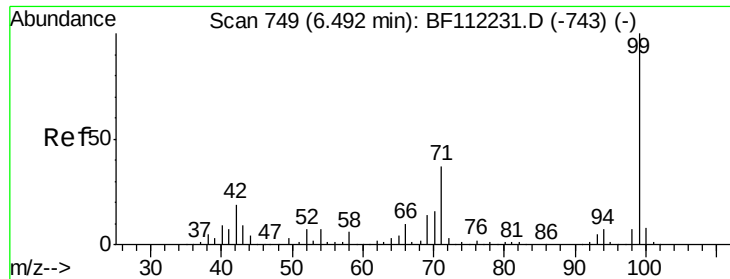
2-Fluorophenol
Concen: 146.160 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112659.D
Acq: 21 Feb 2019 18:12

Tgt Ion:112 Resp: 633830
Ion Ratio Lower Upper
112 100
64 55.7 45.7 68.5
63 31.1 23.6 35.4



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: 115.087 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Instrument :

BNA_F

ClientSampleId :

M-11-A-D

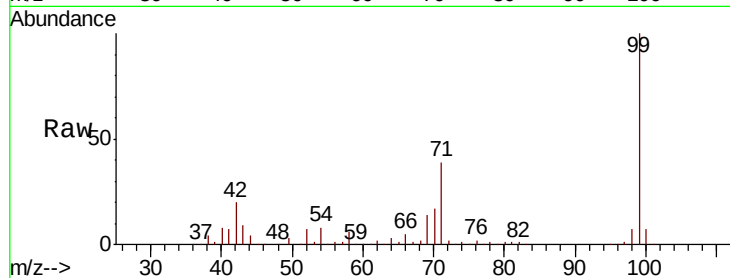
Tgt Ion: 99 Resp: 693499

Ion Ratio Lower Upper

99 100

42 20.3 15.1 22.7

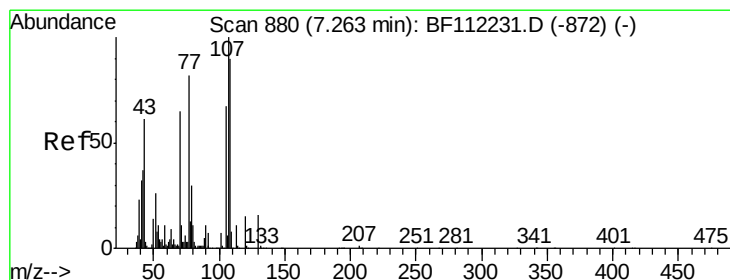
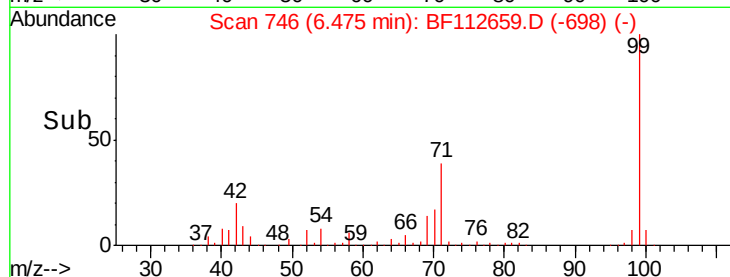
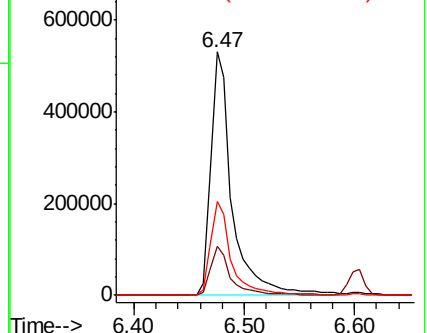
71 38.7 26.9 40.3



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: 19.951 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.12 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Tgt Ion: 70 Resp: 82900

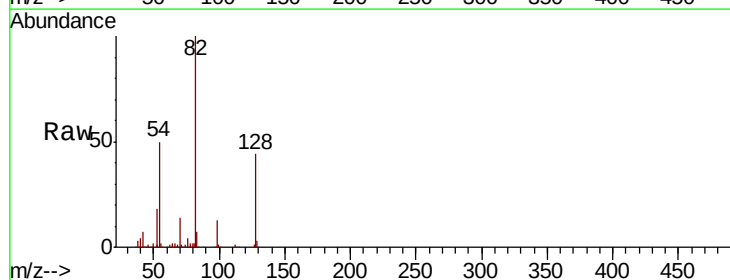
Ion Ratio Lower Upper

70 100

42 48.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.1 18.4 27.6#

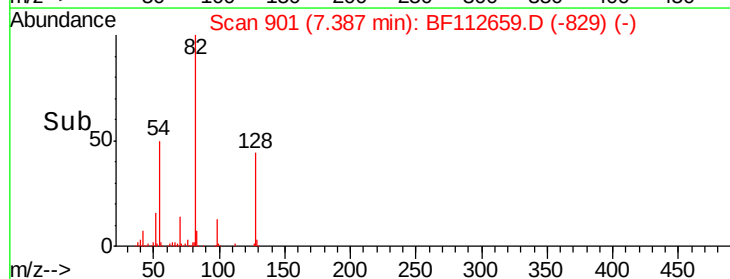
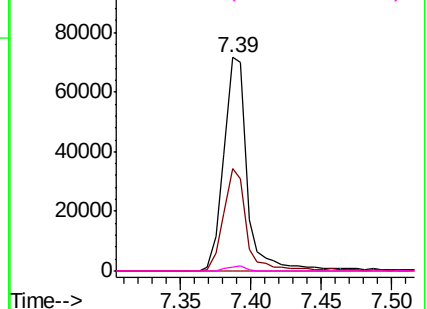


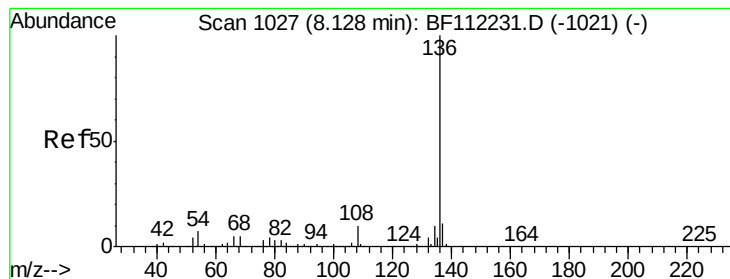
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Instrument :

BNA_F

ClientSampleId :

M-11-A-D

Tgt Ion: 136 Resp: 355454

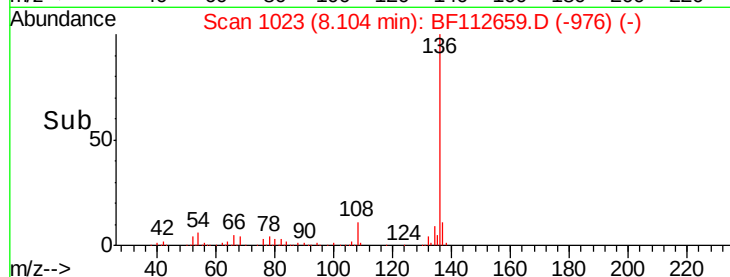
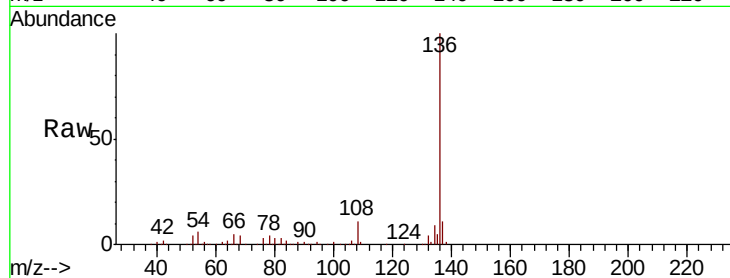
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.2 5.9 8.9

68 4.2 5.1 7.7#

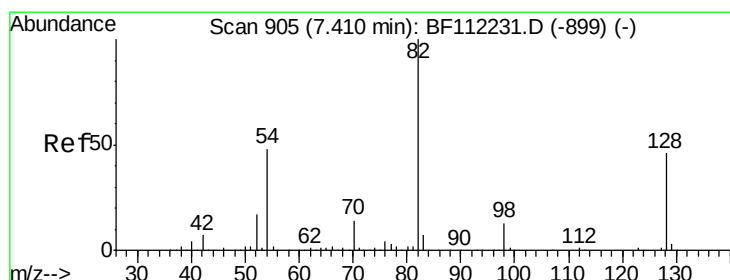
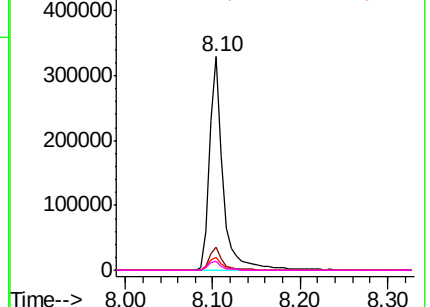


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.167 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

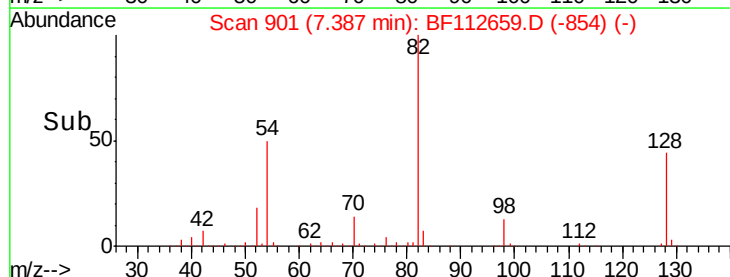
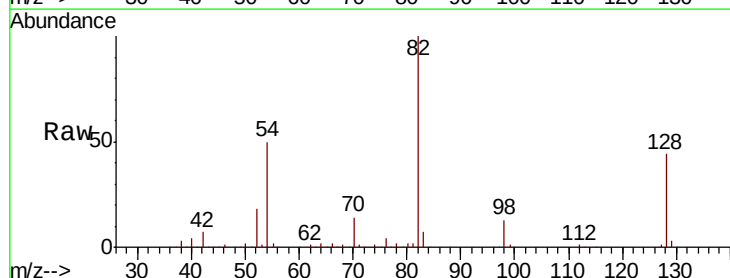
Tgt Ion: 82 Resp: 605591

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

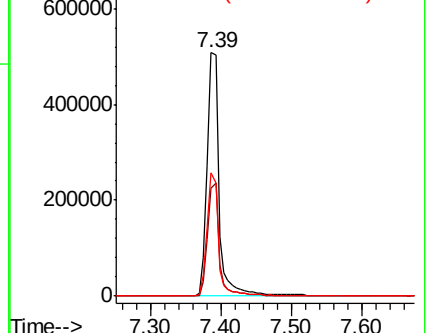
54 50.4 39.7 59.5

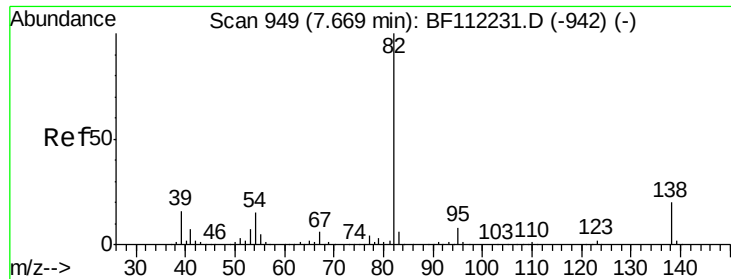


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 62.575 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Instrument :

BNA_F

ClientSampleId :

M-11-A-D

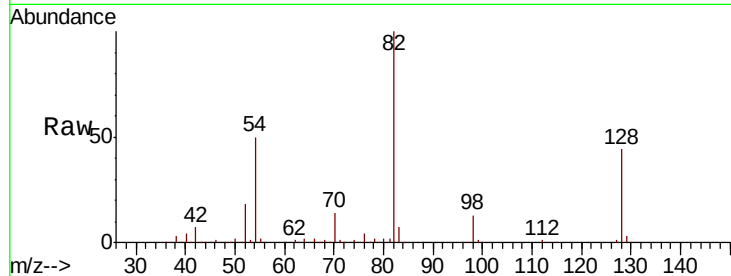
Tgt Ion: 82 Resp: 605587

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

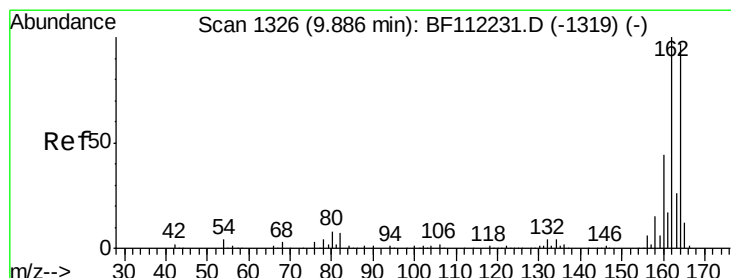
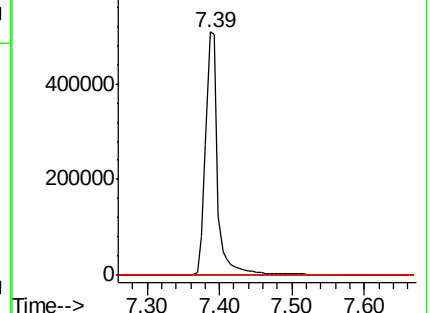
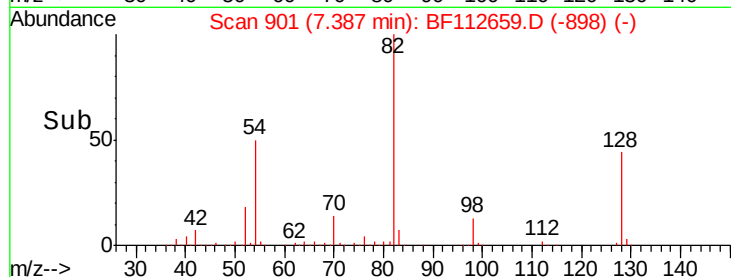
138 0.0 15.4 23.0#



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: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

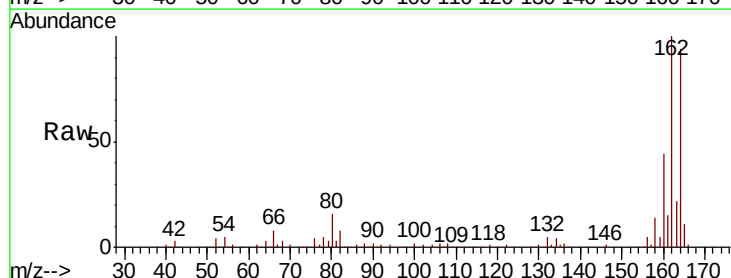
Tgt Ion: 164 Resp: 172623

Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.4

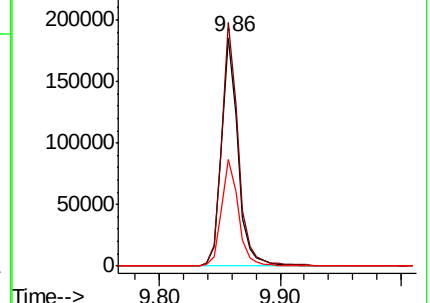
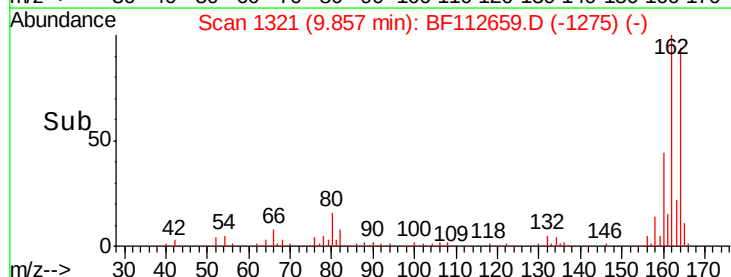
160 46.4 36.2 54.4

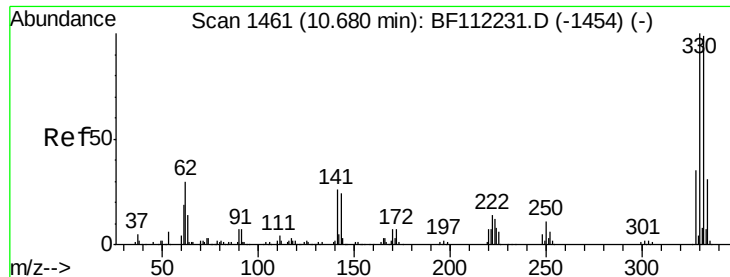


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

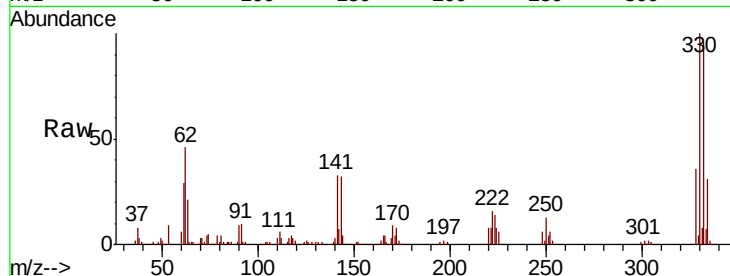




#42
 2,4,6-Tribromophenol
 Concen: 146.855 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112659.D
 Acq: 21 Feb 2019 18:12

Instrument :
 BNA_F
 ClientSampleId :
 M-11-A-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	34.5	24.3	36.5

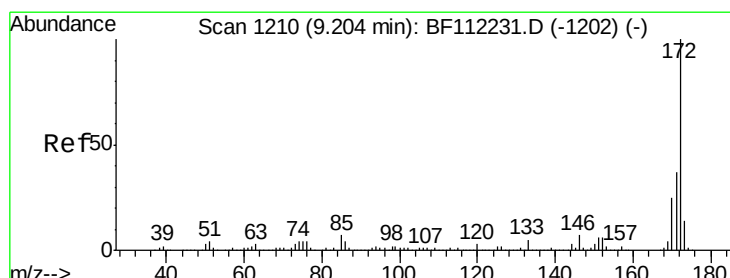
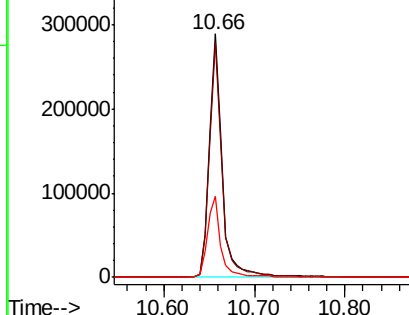
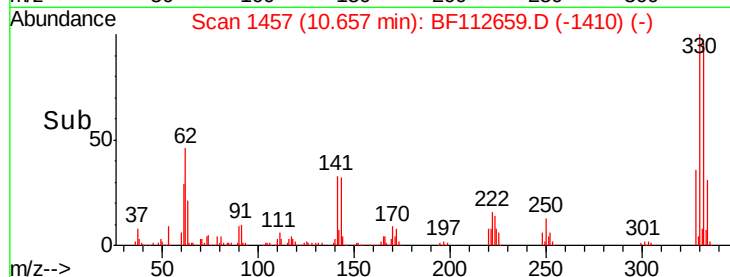


Abundance

Ion 329.80 (329.50 to 330.50): E

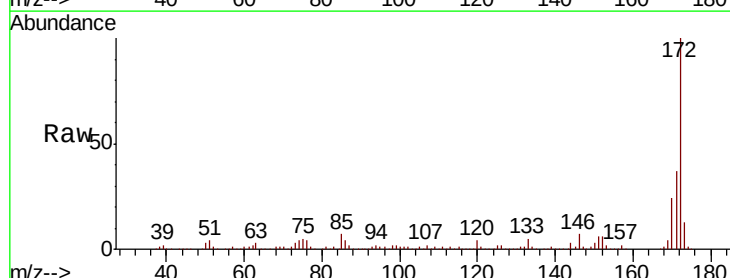
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 98.803 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF112659.D
 Acq: 21 Feb 2019 18:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.5	45.7
170	23.7	20.2	30.4

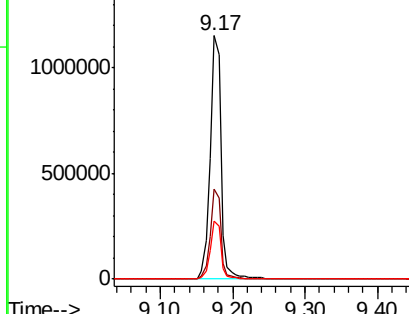
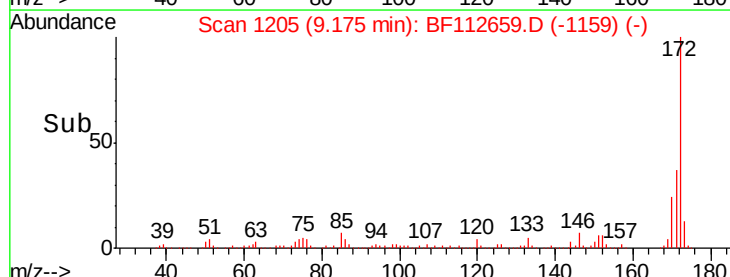


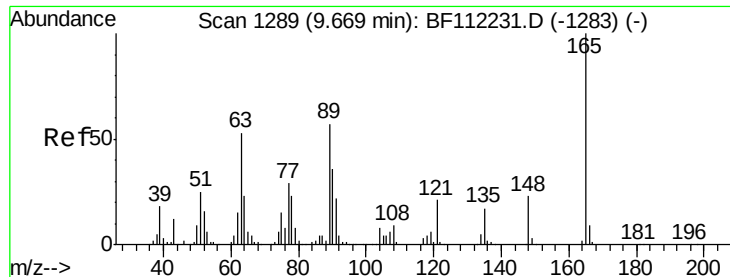
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.233 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Instrument :

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ClientSampleId :

M-11-A-D

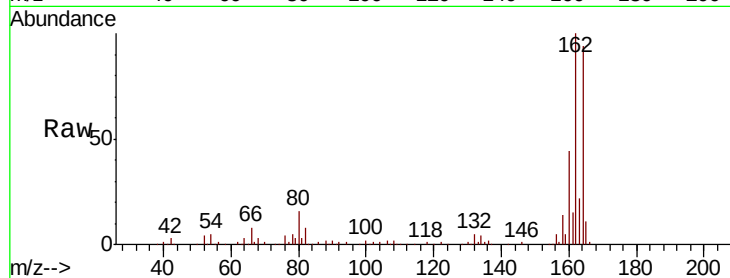
Tgt Ion:165 Resp: 21725

Ion Ratio Lower Upper

165 100

63 1.7 33.8 50.8#

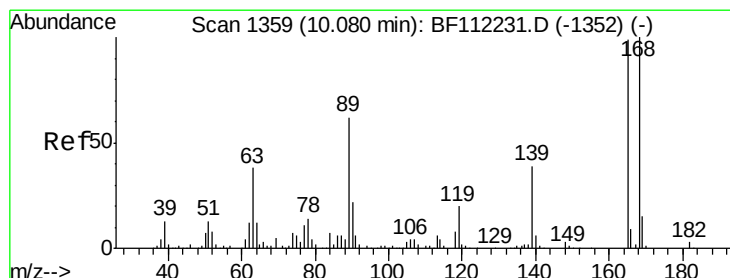
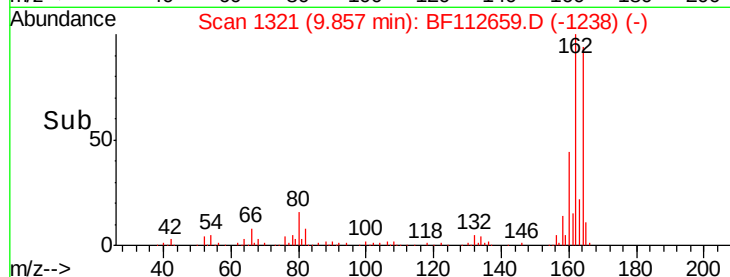
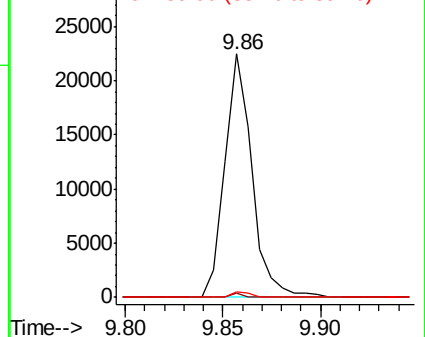
89 2.2 36.9 55.3#



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: 5.681 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Tgt Ion:165 Resp: 21725

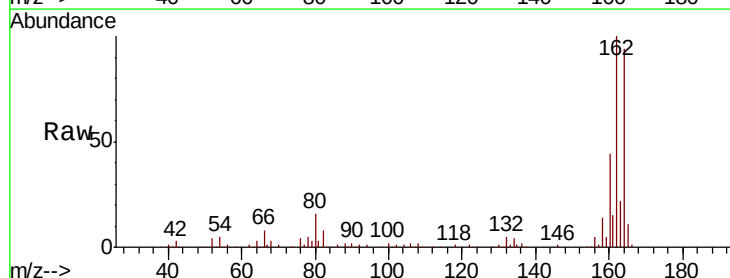
Ion Ratio Lower Upper

165 100

63 1.7 27.9 41.9#

89 2.2 47.9 71.9#

182 0.0 2.2 3.4#

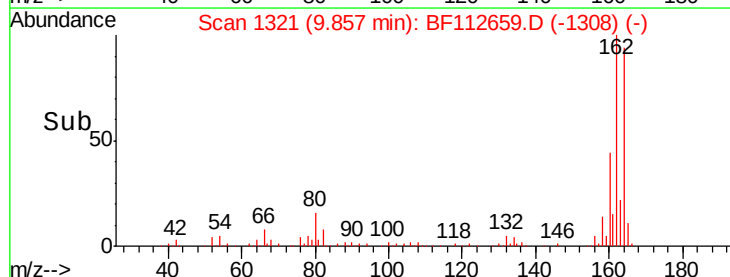
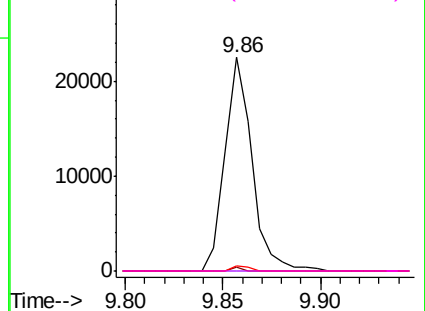


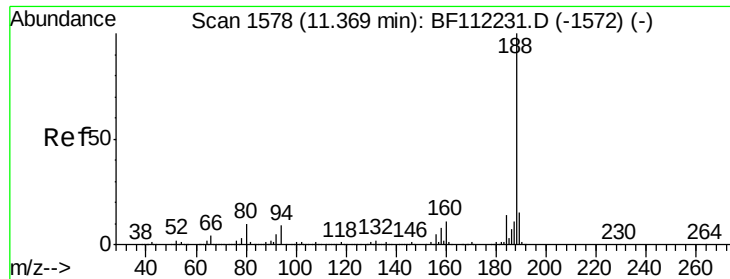
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

Instrument :

BNA_F

ClientSampleId :

M-11-A-D

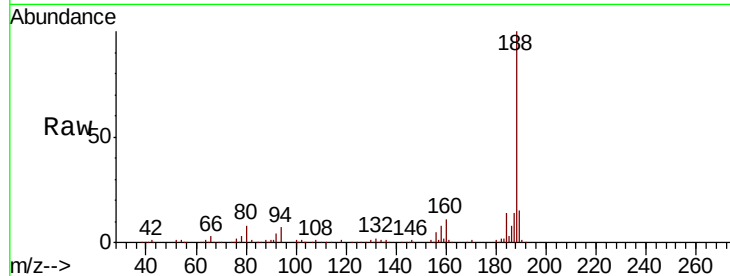
Tgt Ion:188 Resp: 322826

Ion Ratio Lower Upper

188 100

94 7.3 8.2 12.2#

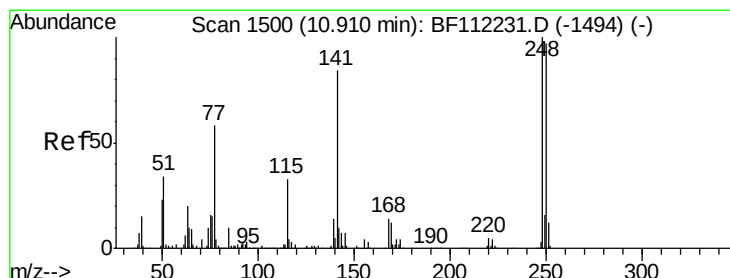
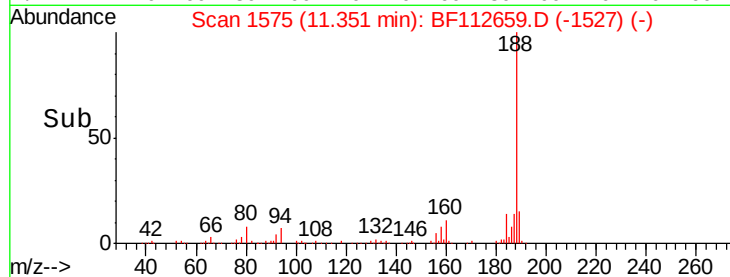
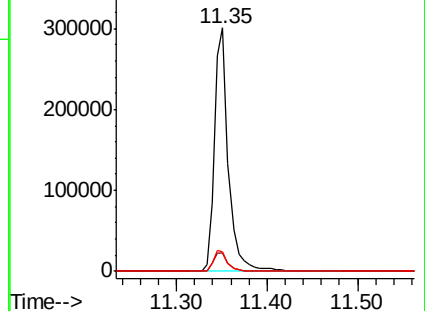
80 8.0 8.9 13.3#



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: 4.698 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112659.D

Acq: 21 Feb 2019 18:12

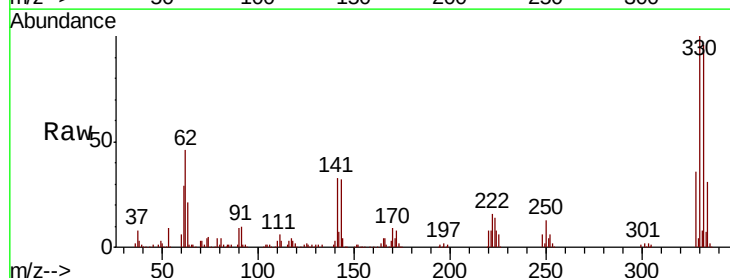
Tgt Ion:248 Resp: 17837

Ion Ratio Lower Upper

248 100

250 205.3 79.7 119.5#

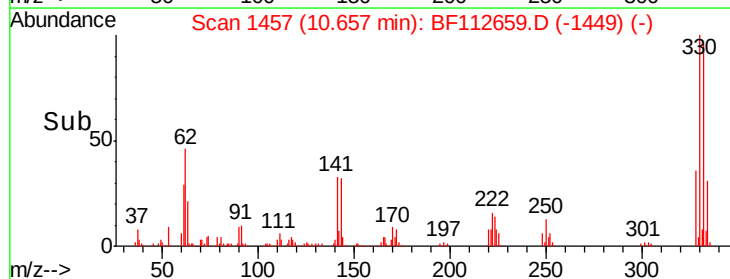
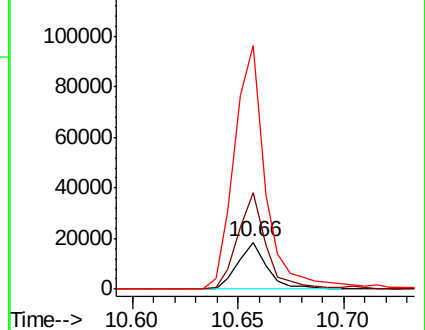
141 518.8 60.3 90.5#

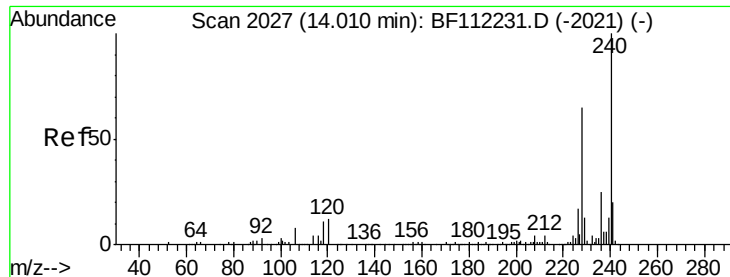


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

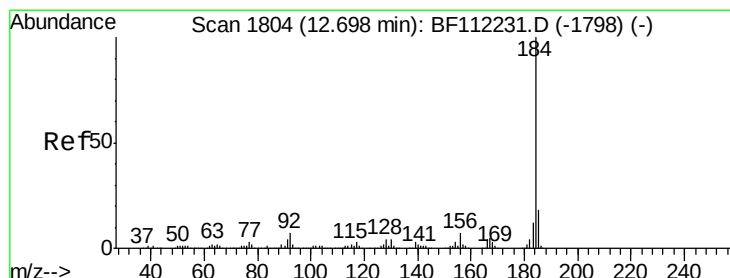
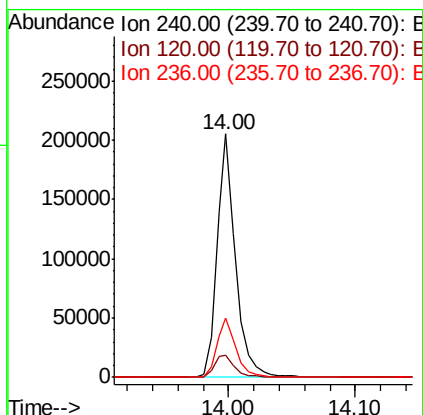
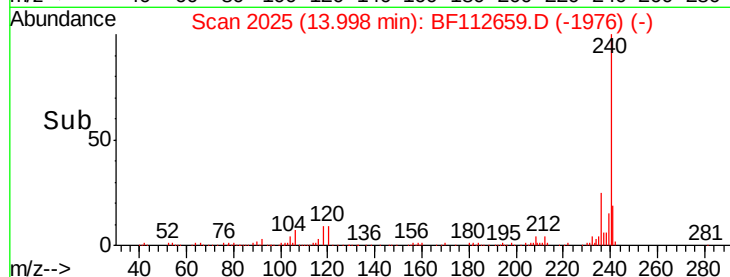
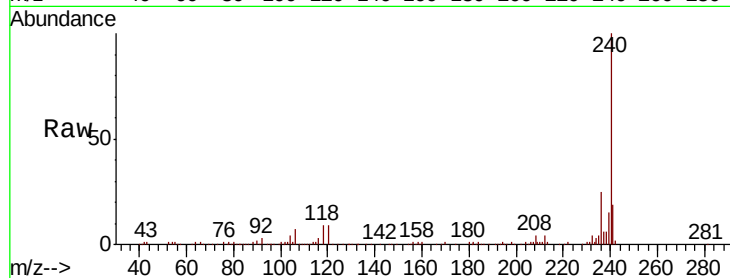




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112659.D
Acq: 21 Feb 2019 18:12

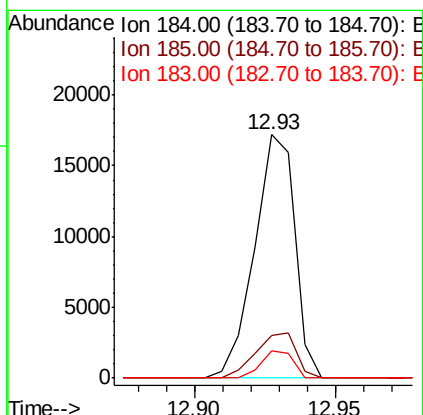
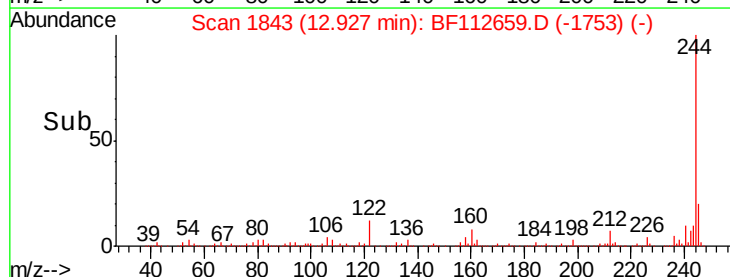
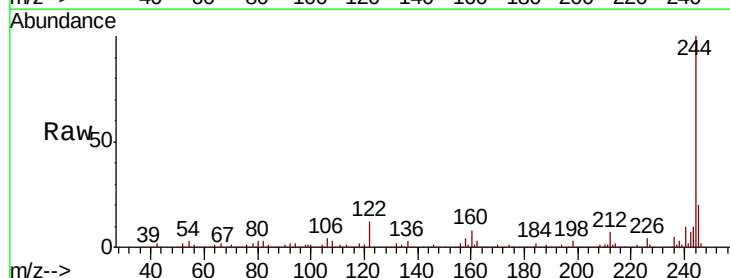
Instrument :
BNA_F
ClientSampleId :
M-11-A-D

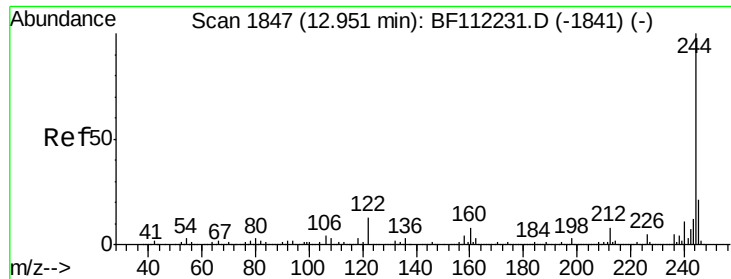
Tgt Ion:240 Resp: 207874
Ion Ratio Lower Upper
240 100
120 9.2 9.0 13.6
236 24.5 20.7 31.1



#77
Benzidine
Concen: 2.983 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.23 min
Lab File: BF112659.D
Acq: 21 Feb 2019 18:12

Tgt Ion:184 Resp: 17066
Ion Ratio Lower Upper
184 100
185 17.5 13.9 20.9
183 11.2 10.0 15.0

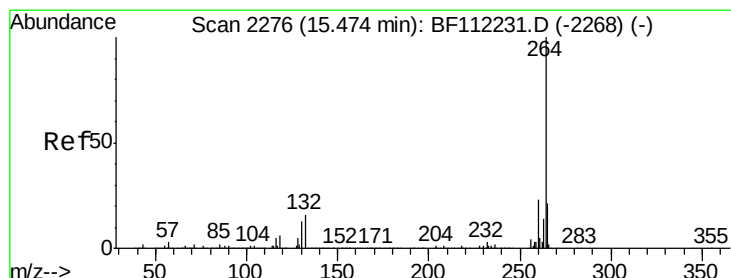
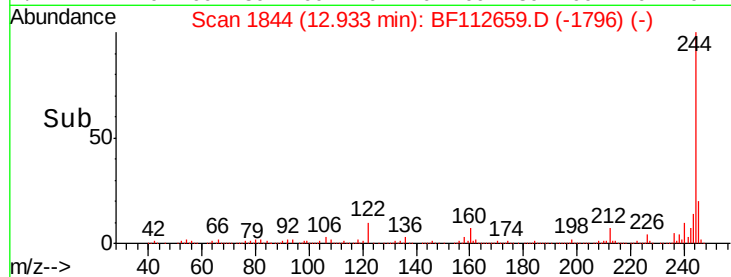
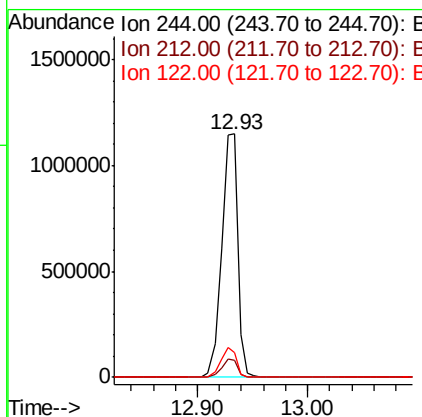
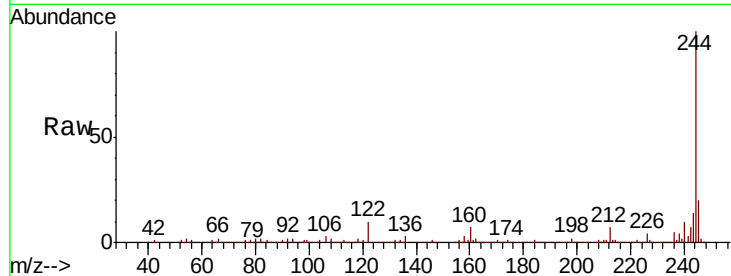




#79
 Terphenyl-d14
 Concen: 106.224 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.02 min
 Lab File: BF112659.D
 Acq: 21 Feb 2019 18:12

Instrument :
 BNA_F
 ClientSampleId :
 M-11-A-D

Tgt Ion:244 Resp: 1172386
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 9.9 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112659.D
 Acq: 21 Feb 2019 18:12

Tgt Ion:264 Resp: 191103
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.2 27.2
 265 21.8 17.0 25.4

