

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\
 Data File : BF112430.D
 Acq On : 6 Feb 2019 19:54
 Operator : JU/SJ
 Sample : K1379-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

Quant Time: Feb 06 23:55:11 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

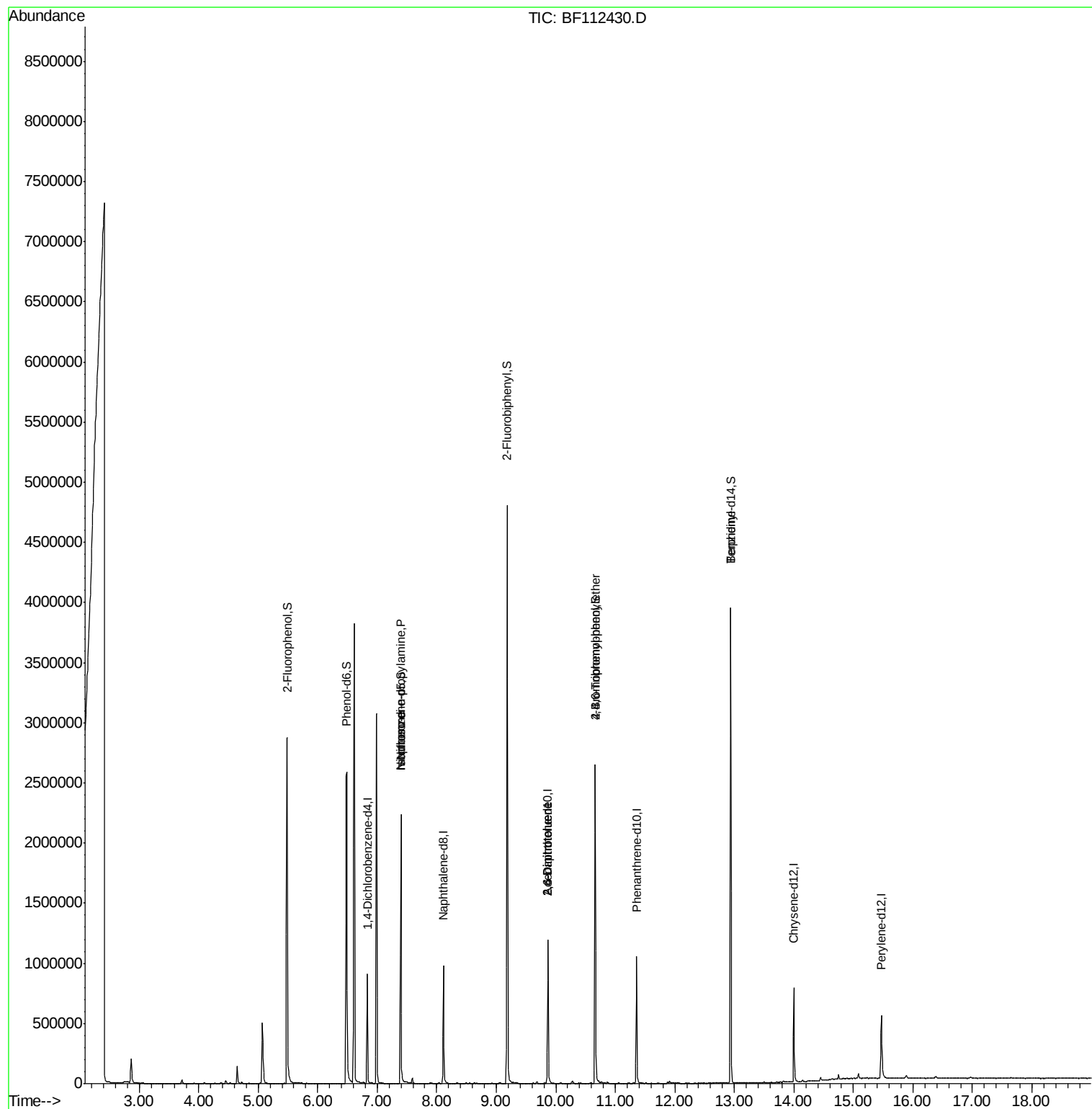
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	138672	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	530132	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	249635	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	402833	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	299735	20.00	ng	-0.01
87) Perylene-d12	15.47	264	283865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	930472	142.52	ng	0.00
7) Phenol-d6	6.49	99	1060955	116.95	ng	0.00
23) Nitrobenzene-d5	7.40	82	801359	87.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	353294	121.59	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1587583	89.95	ng	-0.02
79) Terphenyl-d14	12.94	244	1287209	80.88	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	108225	17.301	ng	# 74
25) Isophorone	7.40	82	801349	55.519	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	31413	7.232	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	31413	5.680	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	21355	4.507	ng	# 1
77) Benzidine	12.94	184	16972	2.057	ng	96

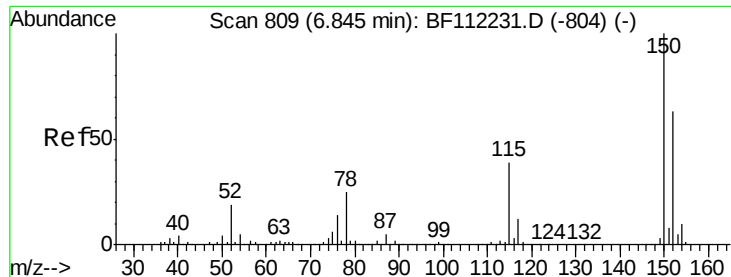
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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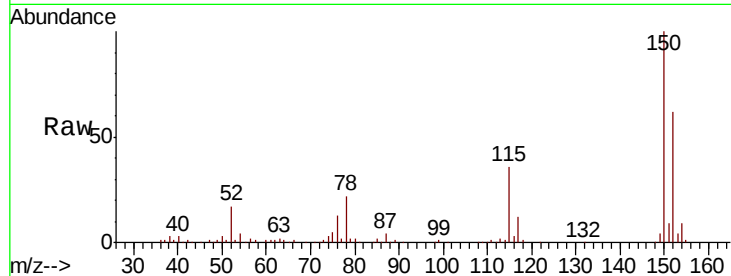


#1

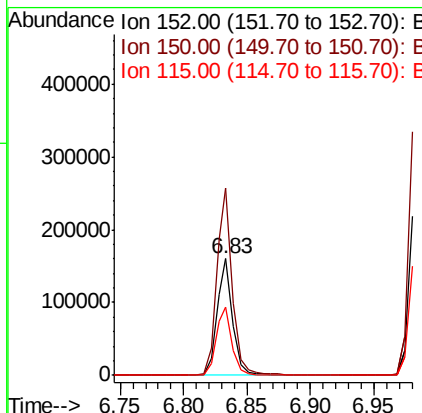
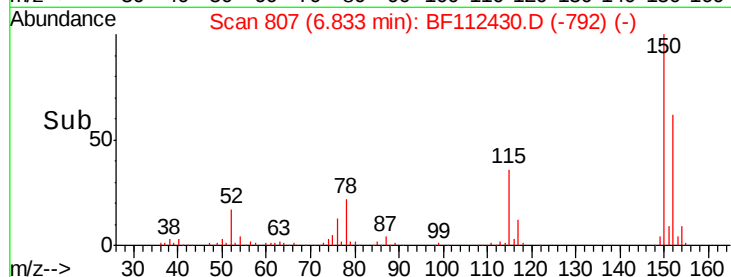
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

Tgt Ion:152 Resp: 138672
 Ion Ratio Lower Upper
 152 100
 150 160.7 127.4 191.0
 115 58.2 45.5 68.3



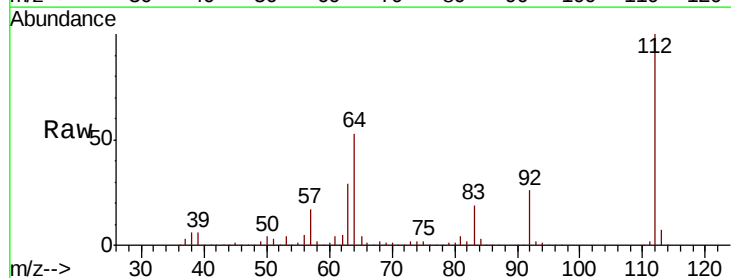
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



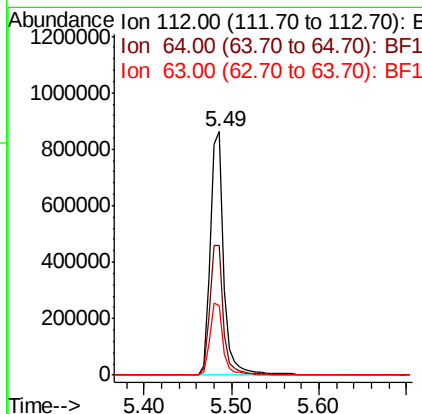
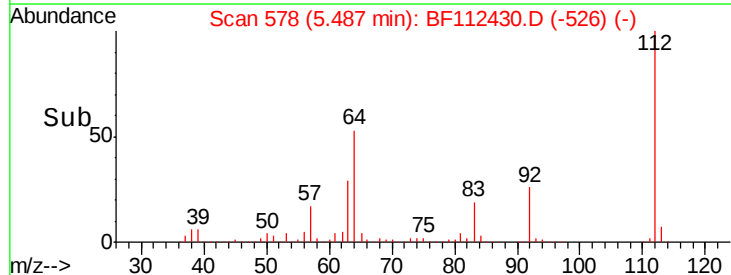
#5

2-Fluorophenol
 Concen: 142.522 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

Tgt Ion:112 Resp: 930472
 Ion Ratio Lower Upper
 112 100
 64 53.1 45.7 68.5
 63 28.5 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: 116.950 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampleId :

HR-6A

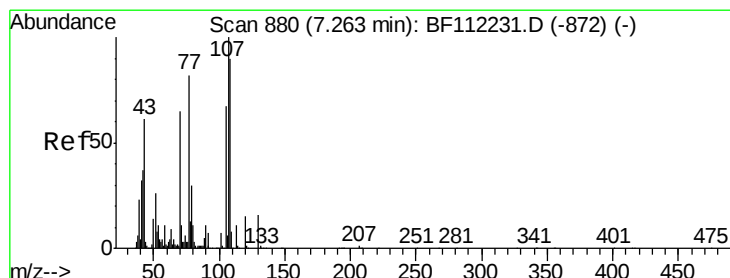
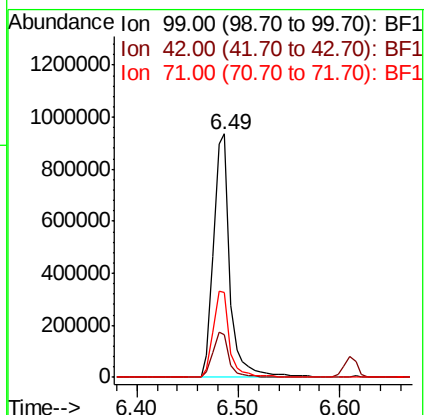
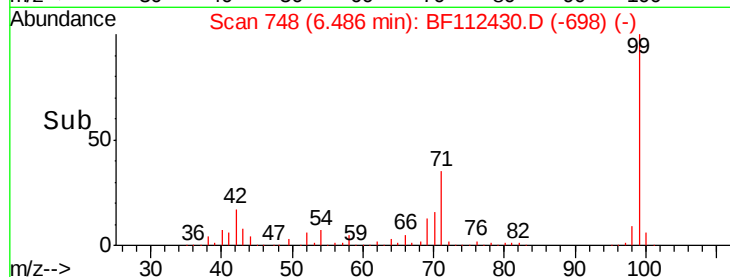
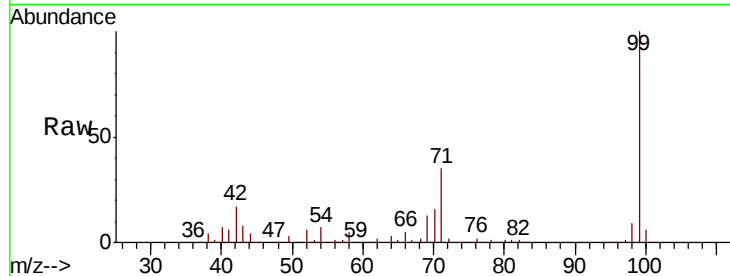
Tgt Ion: 99 Resp: 1060955

Ion Ratio Lower Upper

99 100

42 17.3 15.1 22.7

71 34.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.301 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Tgt Ion: 70 Resp: 108225

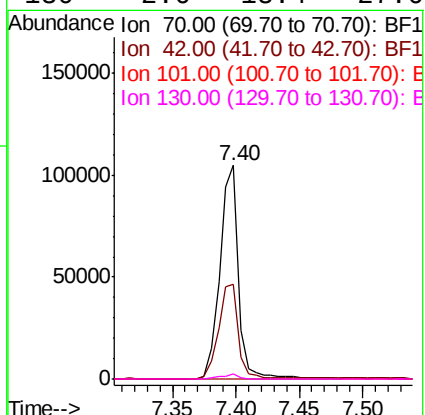
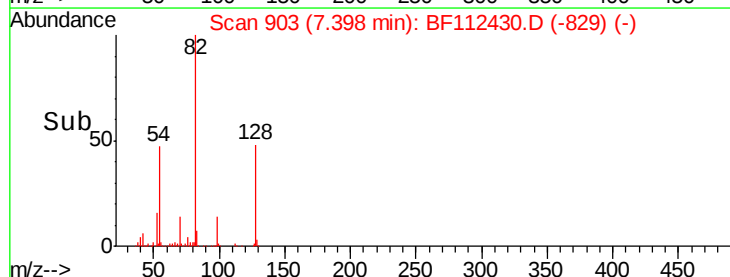
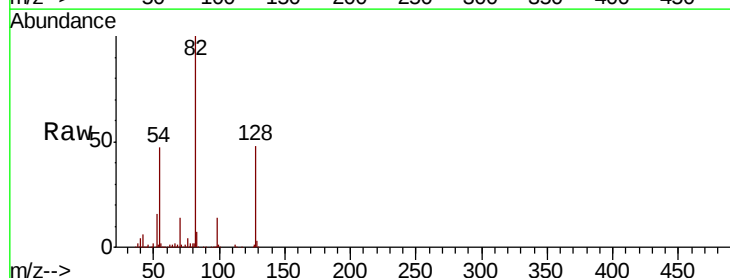
Ion Ratio Lower Upper

70 100

42 44.6 47.6 71.4#

101 0.0 7.9 11.9#

130 2.6 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampleId :

HR-6A

Tgt Ion: 136 Resp: 530132

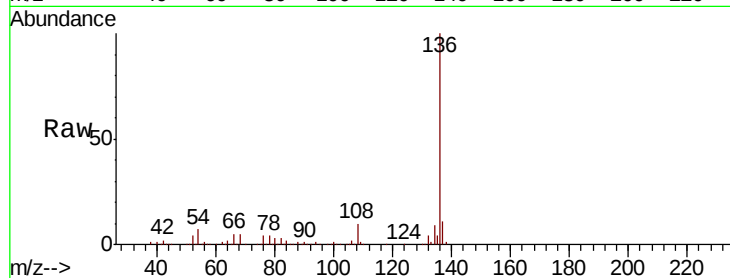
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.7 5.9 8.9

68 5.0 5.1 7.7#

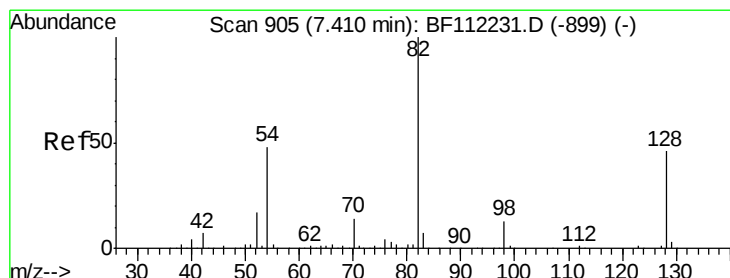
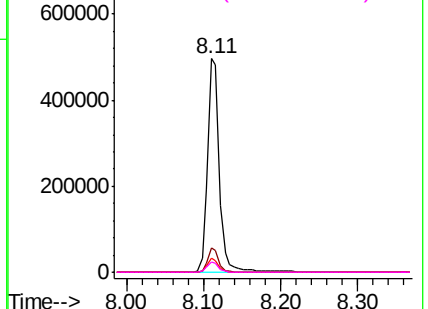
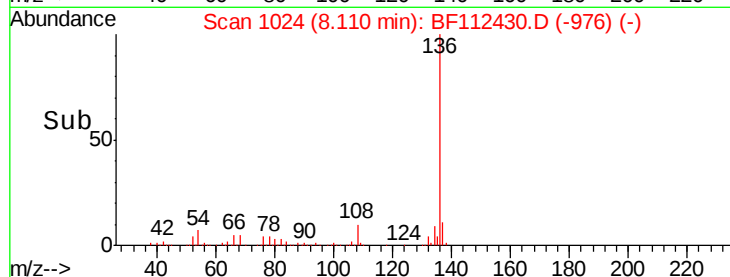


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.099 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

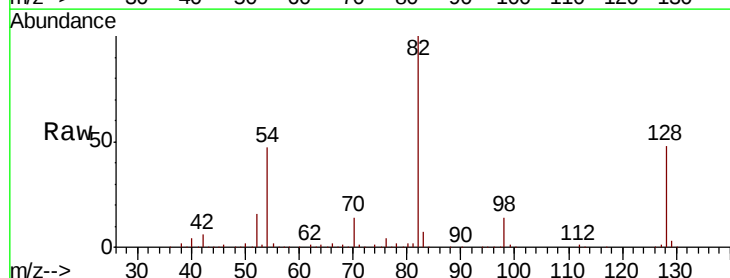
Tgt Ion: 82 Resp: 801359

Ion Ratio Lower Upper

82 100

128 48.5 37.8 56.8

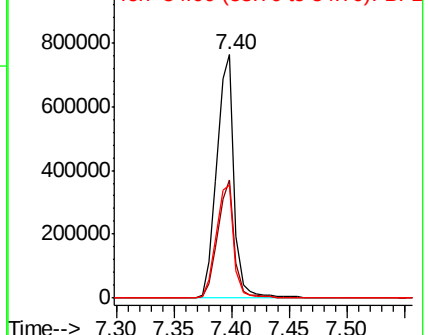
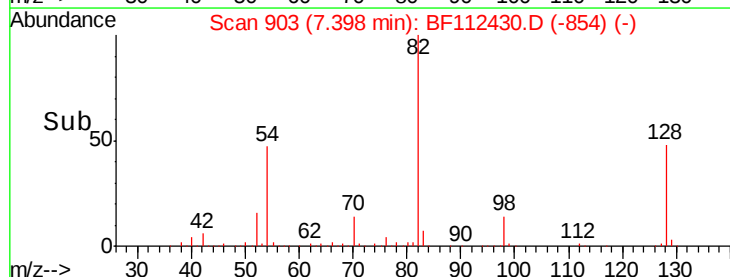
54 46.5 39.7 59.5



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: 55.519 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampleId :

HR-6A

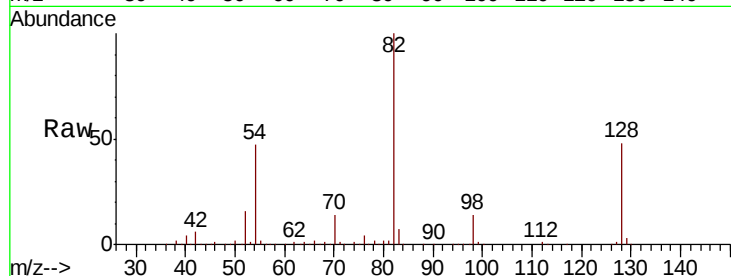
Tgt Ion: 82 Resp: 801349

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

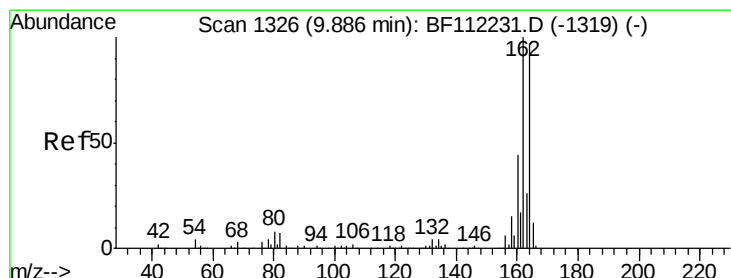
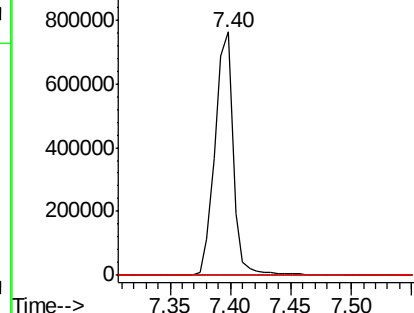
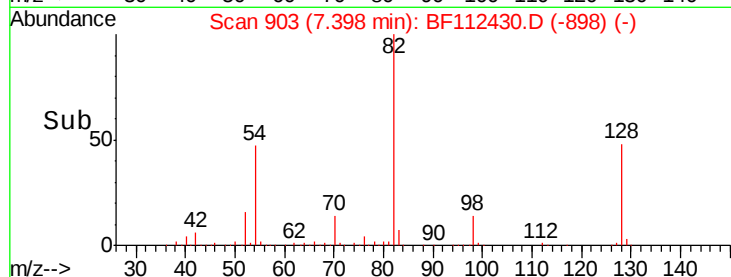
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

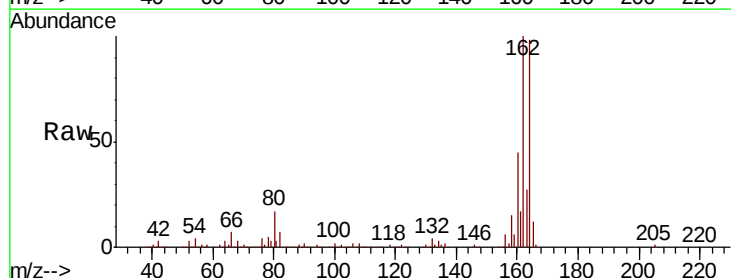
Tgt Ion: 164 Resp: 249635

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.4

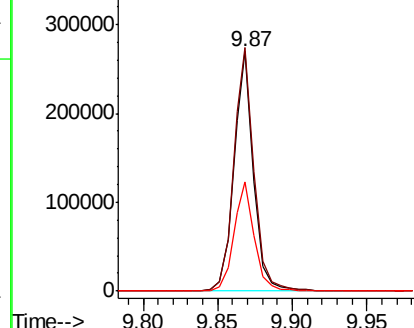
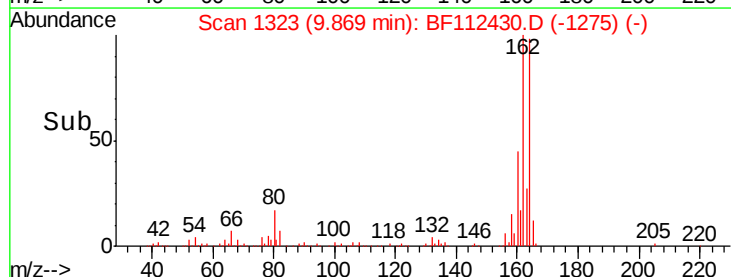
160 45.9 36.2 54.4



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

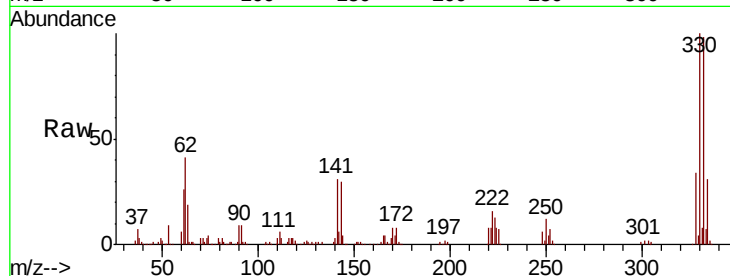




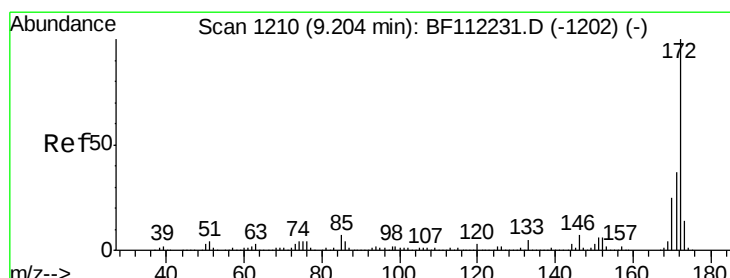
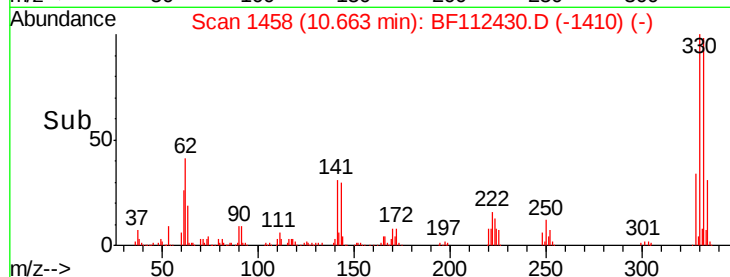
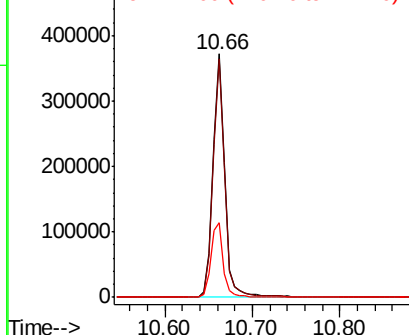
#42
 2,4,6-Tribromophenol
 Concen: 121.587 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

Tgt Ion:330 Resp: 353294
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 32.3 24.3 36.5

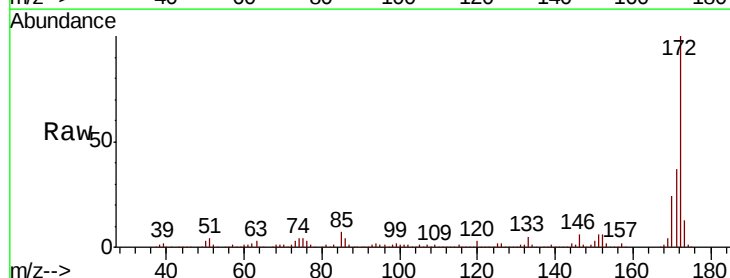


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

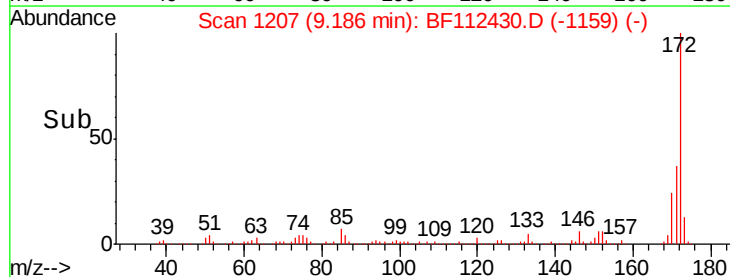
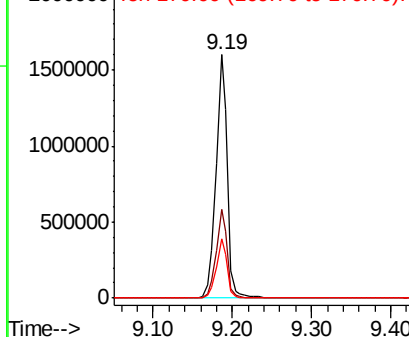


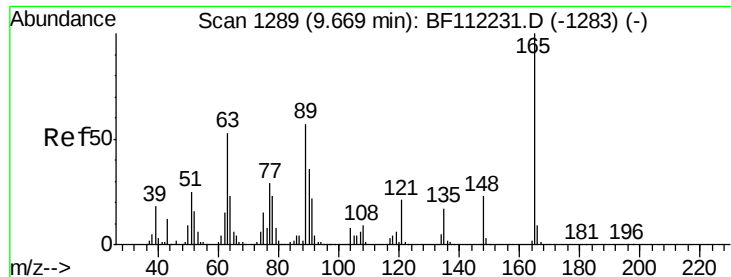
#45
 2-Fluorobiphenyl
 Concen: 89.946 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

Tgt Ion:172 Resp: 1587583
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.5 45.7
 170 24.3 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

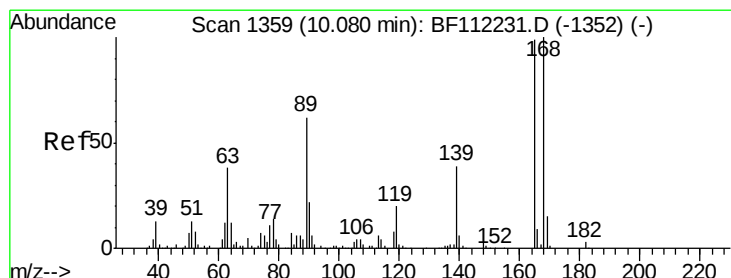
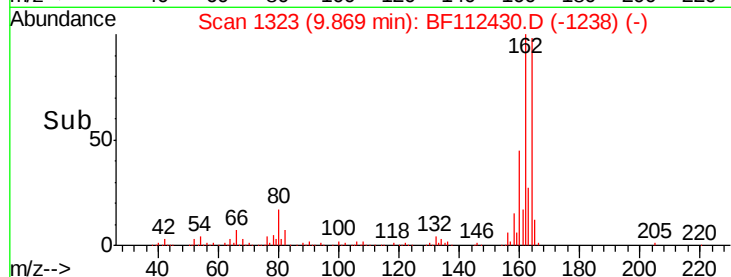
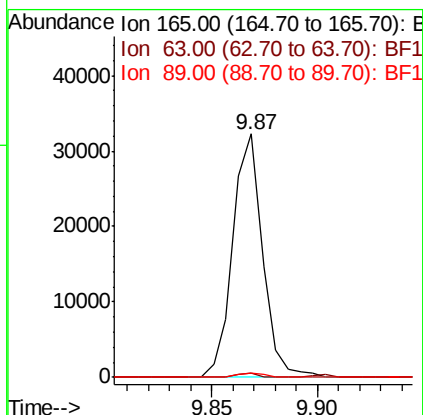
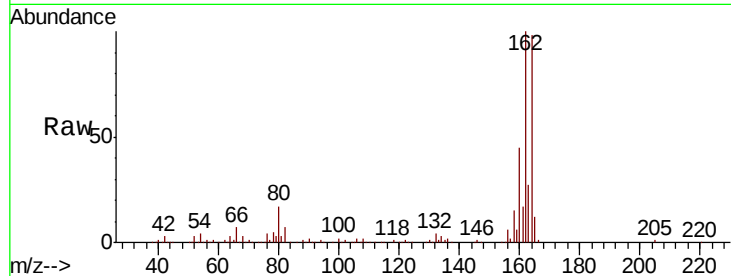




#51
 2,6-Dinitrotoluene
 Concen: 7.232 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

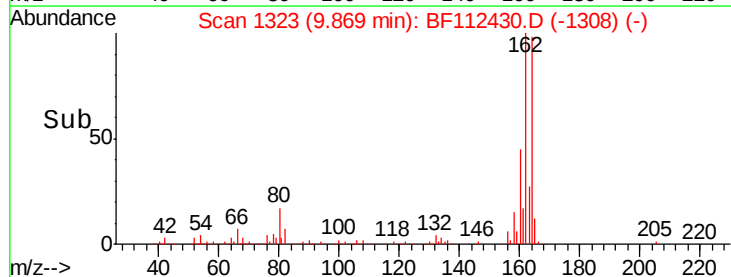
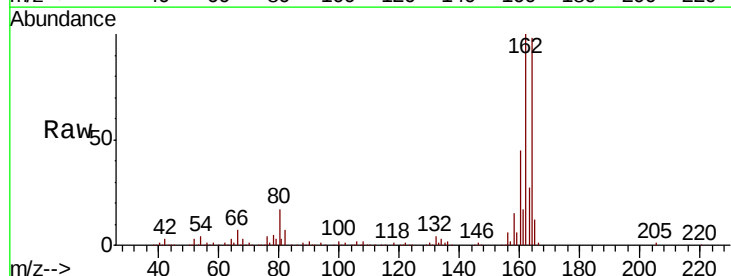
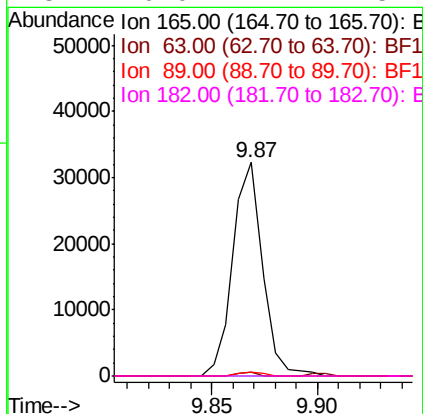
Instrument :
 BNA_F
 ClientSampleId :
 HR-6A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.8	50.8#
89	1.7	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.680 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112430.D
 Acq: 6 Feb 2019 19:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	27.9	41.9#
89	1.7	47.9	71.9#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampled :

HR-6A

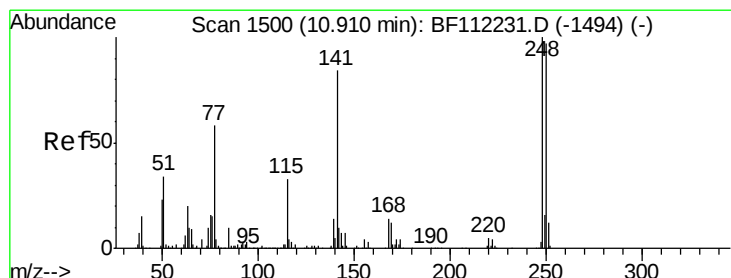
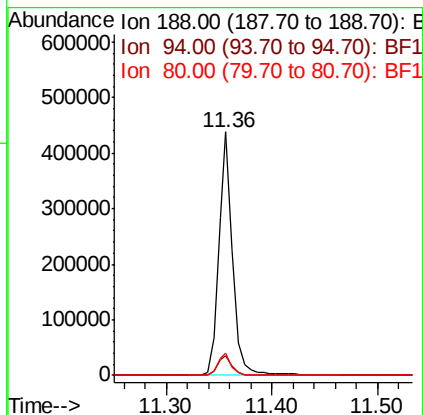
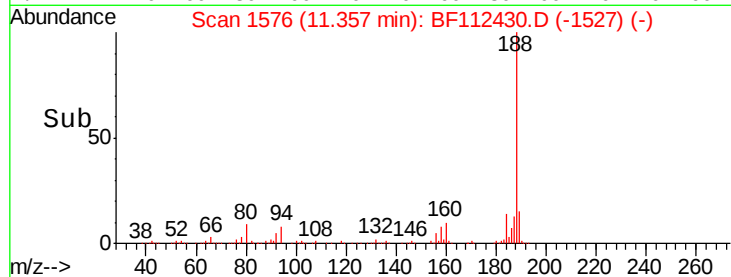
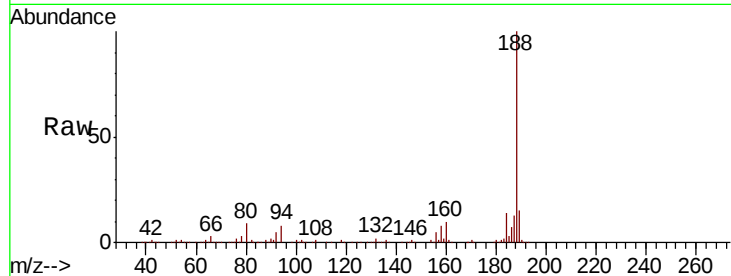
Tgt Ion:188 Resp: 402833

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

80 9.0 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 4.507 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.25 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

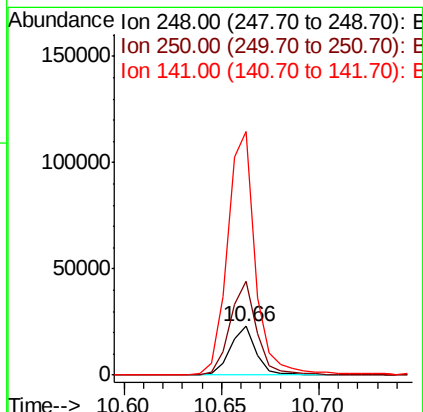
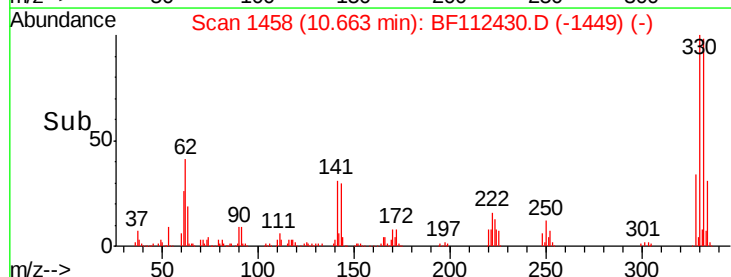
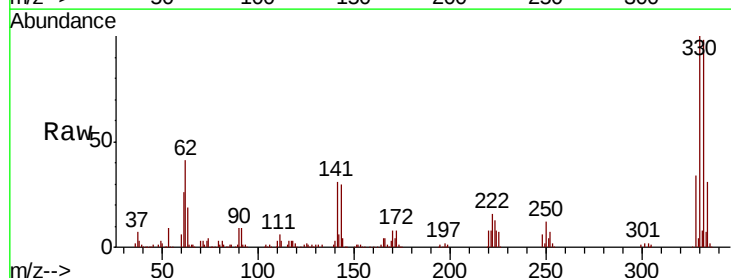
Tgt Ion:248 Resp: 21355

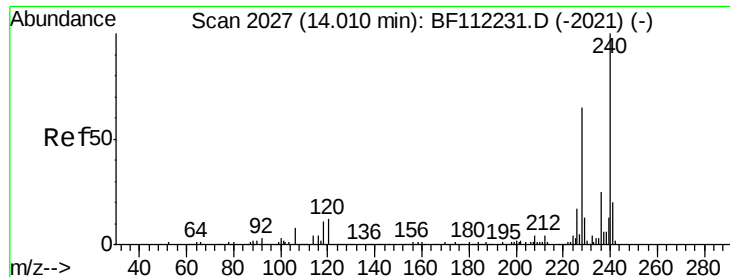
Ion Ratio Lower Upper

248 100

250 191.8 79.7 119.5#

141 497.9 60.3 90.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampleId :

HR-6A

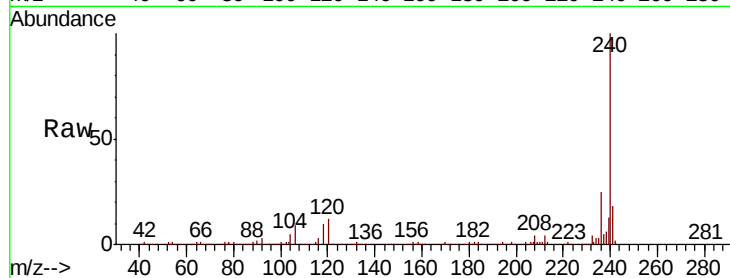
Tgt Ion:240 Resp: 299735

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

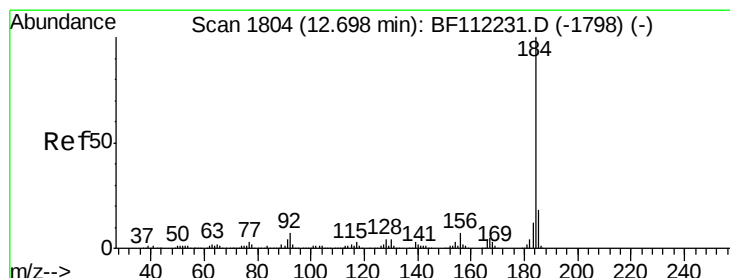
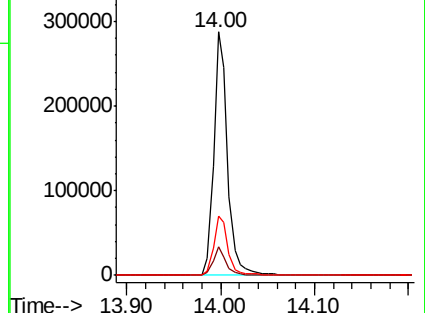
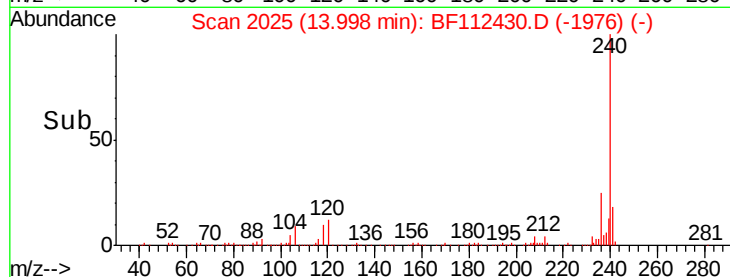
236 24.5 20.7 31.1



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



#77

Benzidine

Concen: 2.057 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.24 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

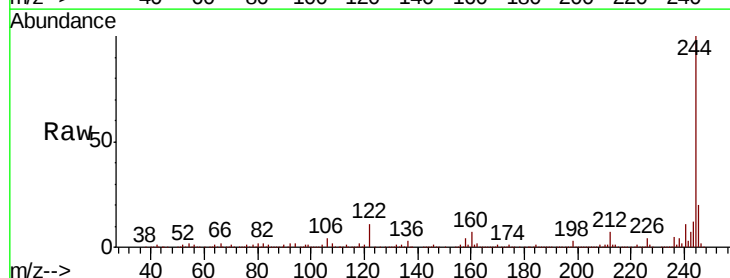
Tgt Ion:184 Resp: 16972

Ion Ratio Lower Upper

184 100

185 19.3 13.9 20.9

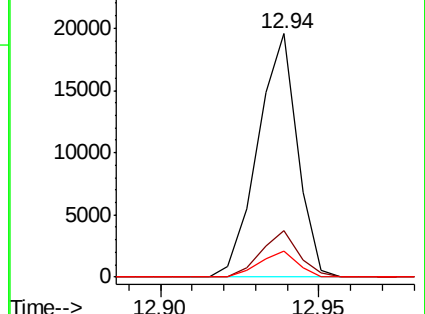
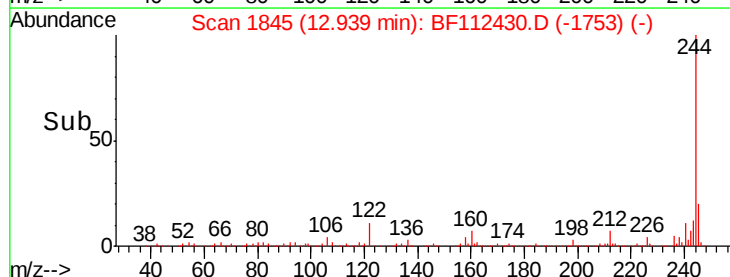
183 10.8 10.0 15.0



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: 80.884 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

Instrument :

BNA_F

ClientSampleId :

HR-6A

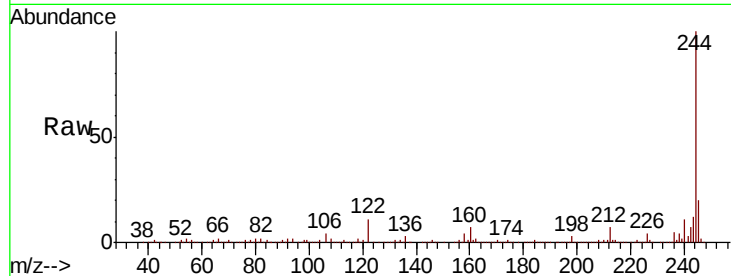
Tgt Ion:244 Resp: 1287209

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

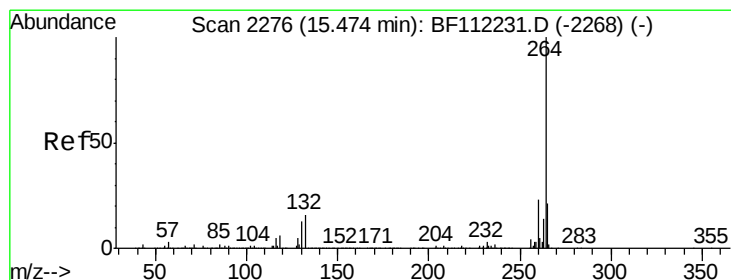
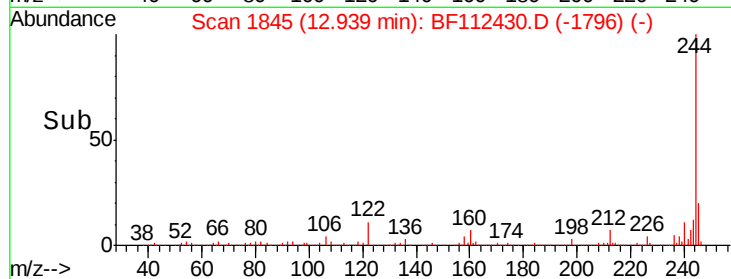
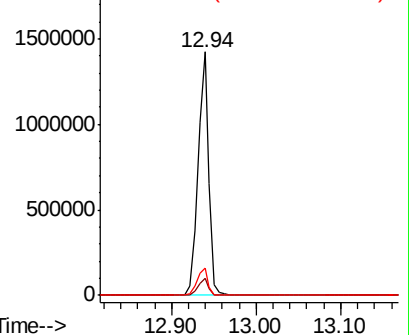
122 11.3 9.8 14.6



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112430.D

Acq: 6 Feb 2019 19:54

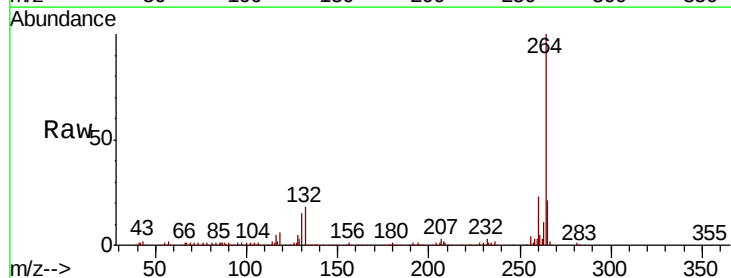
Tgt Ion:264 Resp: 283865

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 21.4 17.0 25.4



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

