

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112637.D
 Acq On : 20 Feb 2019 13:01
 Operator : JU/SJ
 Sample : K1528-01DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 16:48:44 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	75319	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	304517	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	156335	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	314633	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	269437	20.00	ng	-0.02
87) Perylene-d12	15.47	264	237905	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	46295	13.06	ng	-0.01
7) Phenol-d6	6.49	99	34363	6.97	ng	0.00
23) Nitrobenzene-d5	7.39	82	88887	16.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	45390	24.94	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	199963	18.09	ng	-0.03
79) Terphenyl-d14	12.92	244	247995	17.34	ng	-0.03

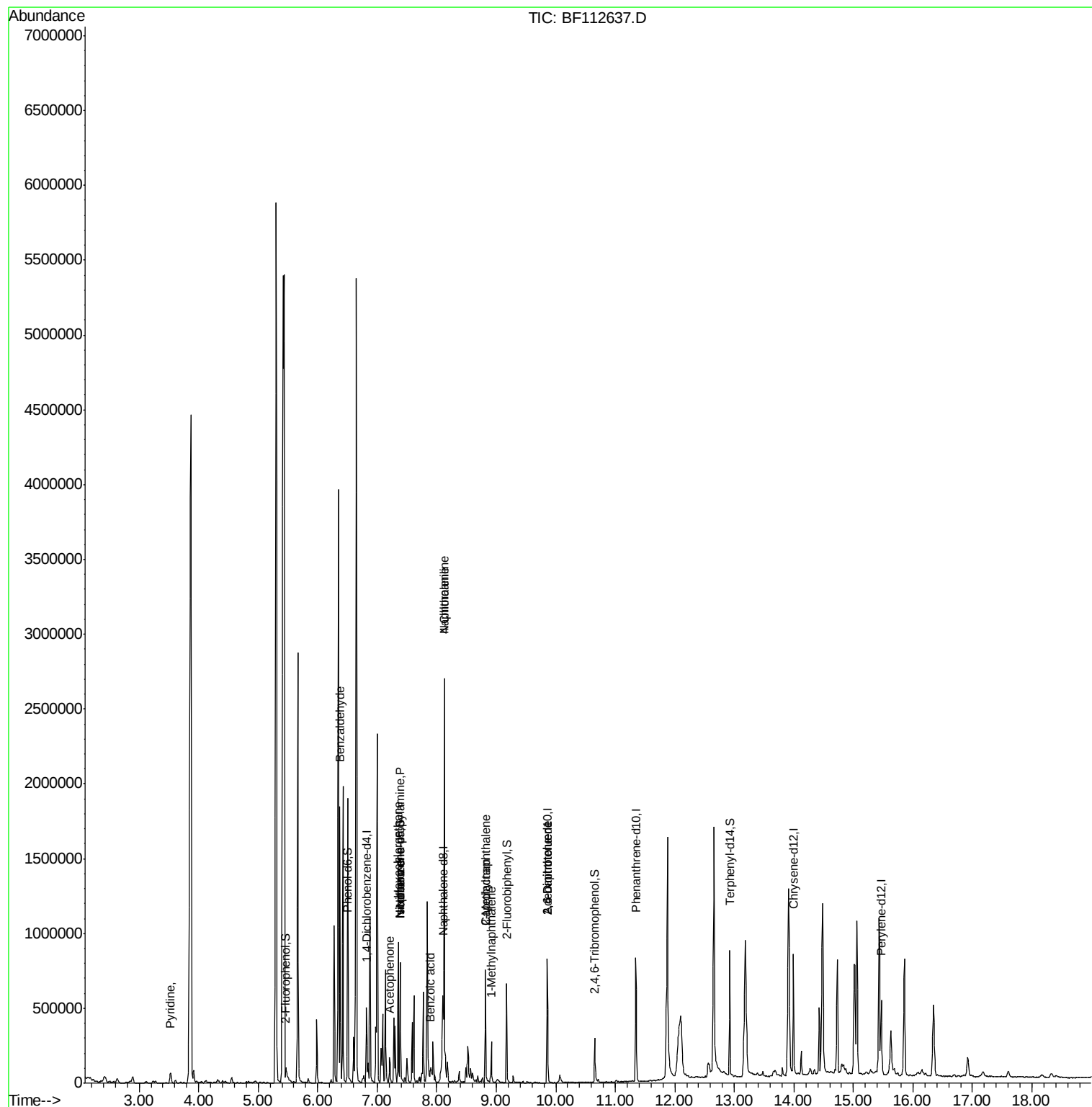
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.53	79	10230	2.847	ng	# 47
9) Benzaldehyde	6.37	77	80636	31.310	ng	# 1
18) Hexachloroethane	7.35	117	72647	36.184	ng	# 1
19) n-Nitroso-di-n-propylamine	7.39	70	11857	3.490	ng	# 92
22) Acetophenone	7.21	105	65978	8.898	ng	# 55
24) Nitrobenzene	7.38	77	12002	2.274	ng	# 1
25) Isophorone	7.39	82	88887	10.721	ng	# 63
31) Naphthalene	8.13	128	1103804	77.511	ng	# 99
32) Benzoic acid	7.90	122	19929	8.990	ng	# 88
33) 4-Chloroaniline	8.13	127	154006	24.837	ng	# 35
35) Caprolactam	8.82	113	4279	2.789	ng	# 1
37) 2-Methylnaphthalene	8.82	142	192425	19.738	ng	# 98
38) 1-Methylnaphthalene	8.92	142	77437	8.287	ng	# 98
51) 2,6-Dinitrotoluene	9.86	165	19673	7.232	ng	# 32
57) 2,4-Dinitrotoluene	9.86	165	19673	5.681	ng	# 30

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

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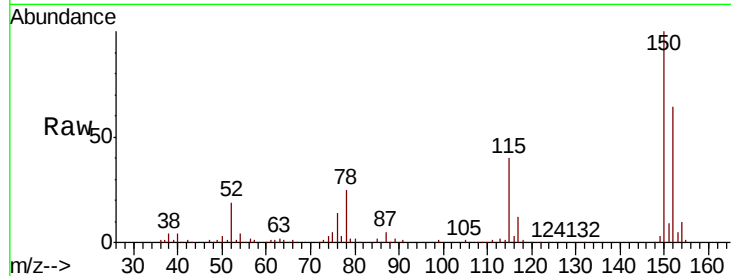


#1

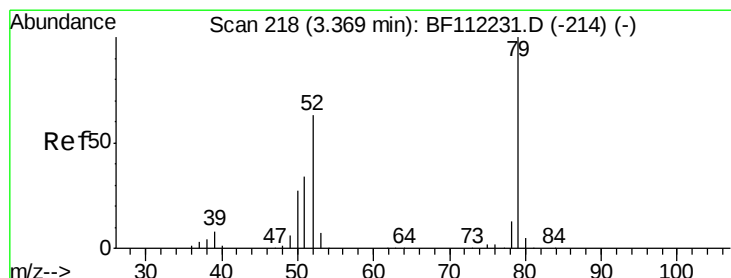
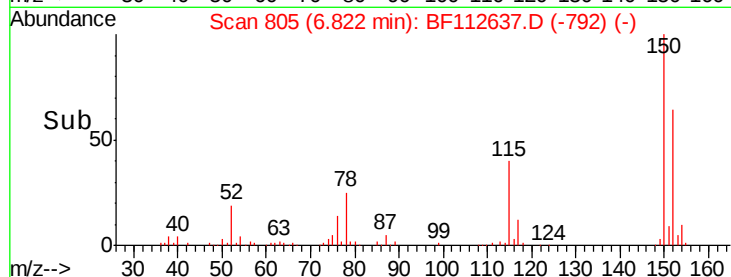
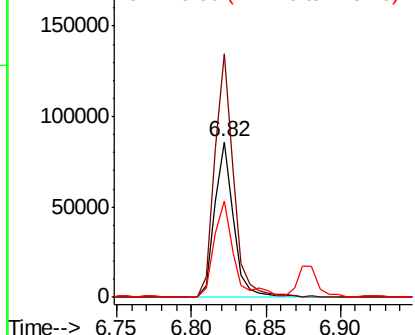
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75319
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.0
115 61.9 45.5 68.3



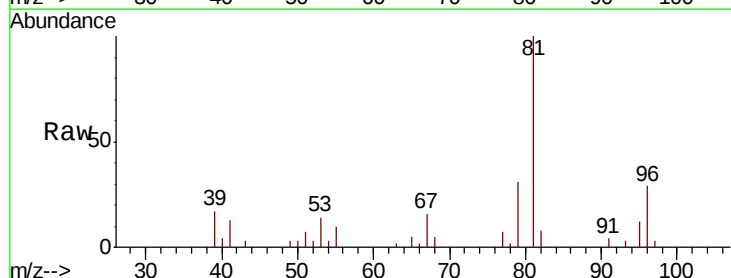
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



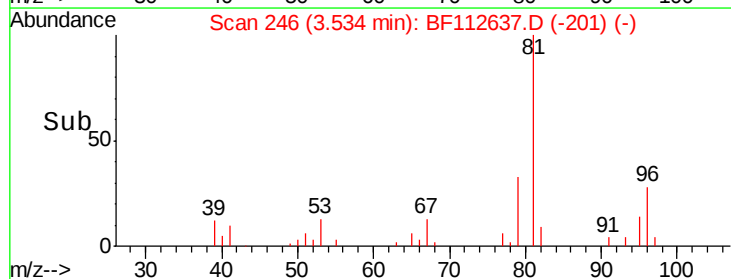
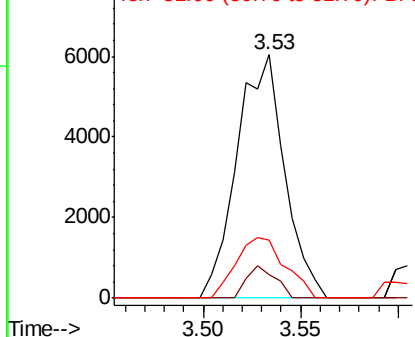
#3

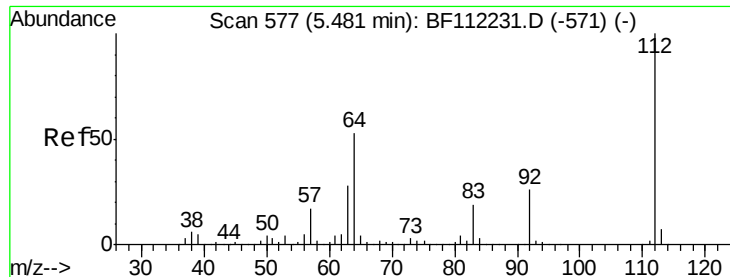
Pyridine
Concen: 2.847 ng
RT: 3.53 min Scan# 246
Delta R.T. 0.16 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Tgt Ion: 79 Resp: 10230
Ion Ratio Lower Upper
79 100
52 9.4 52.4 78.6#
51 23.6 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 13.056 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampleId :

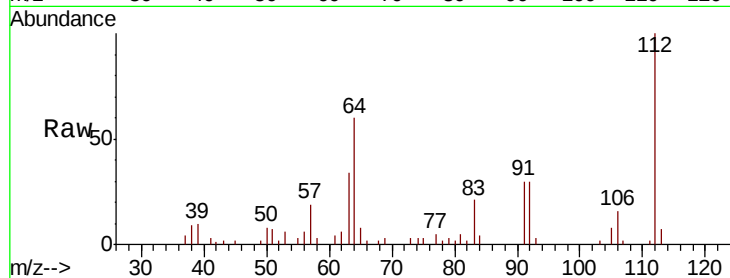
Tot Ion:112 Resp: 46295

Ion Ratio Lower Upper

112 100

64 59.7 45.7 68.5

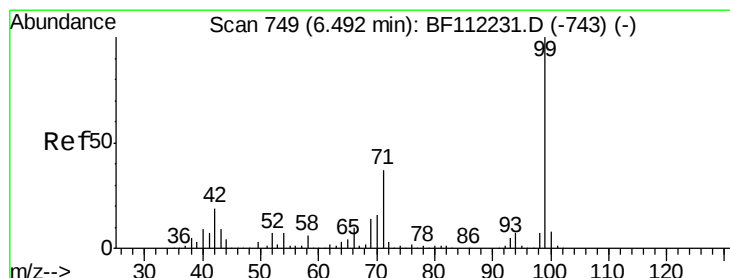
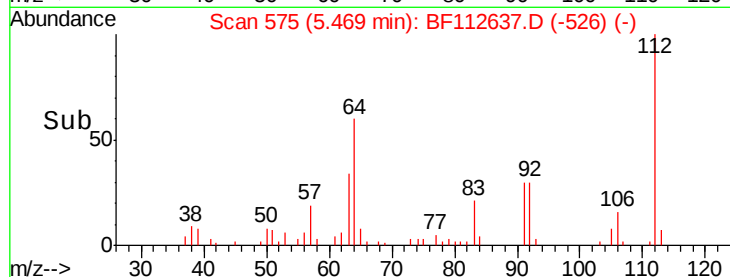
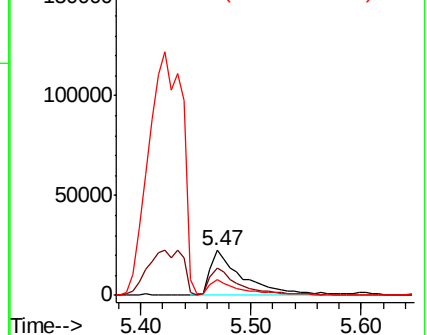
63 34.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 6.974 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

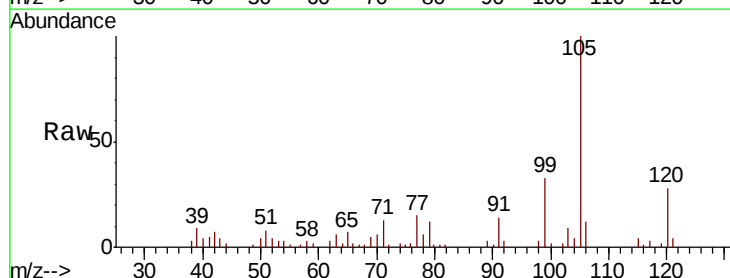
Tgt Ion: 99 Resp: 34363

Ion Ratio Lower Upper

99 100

42 22.0 15.1 22.7

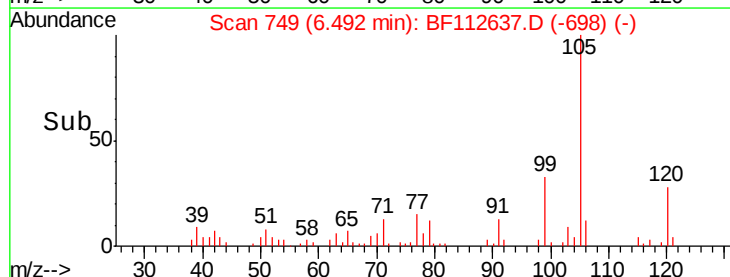
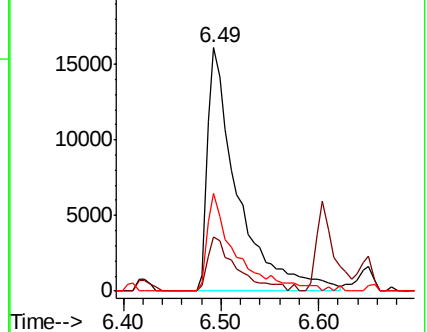
71 40.1 26.9 40.3

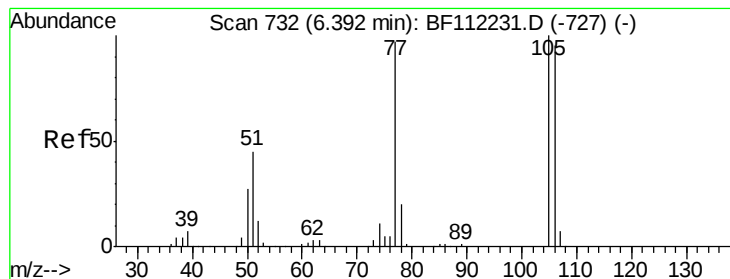


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 31.310 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampleId :

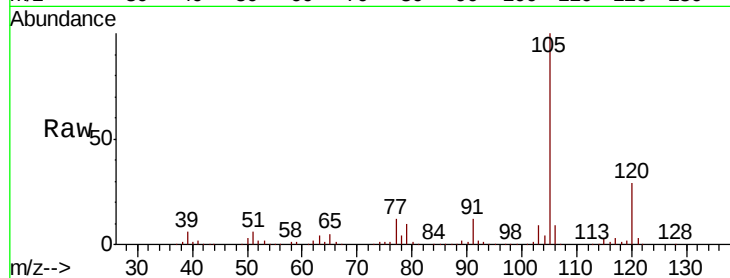
Tot Ion: 77 Resp: 80636

Ion Ratio Lower Upper

77 100

105 814.5 80.8 120.8#

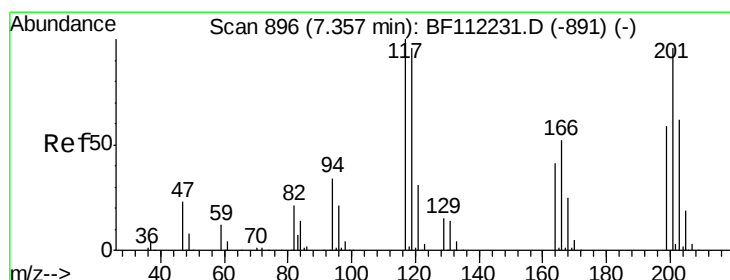
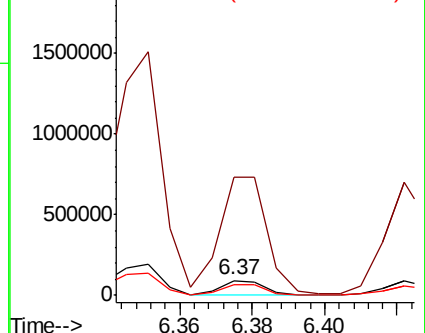
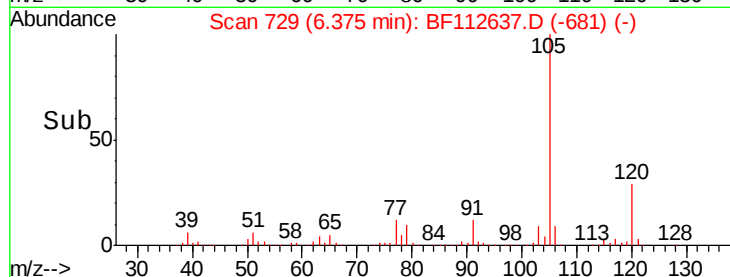
106 73.8 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF112231.D (-727) (-)

Ion 105.00 (104.70 to 105.70): BF112231.D (-727) (-)

Ion 106.00 (105.70 to 106.70): BF112231.D (-727) (-)



#18

Hexachloroethane

Concen: 36.184 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

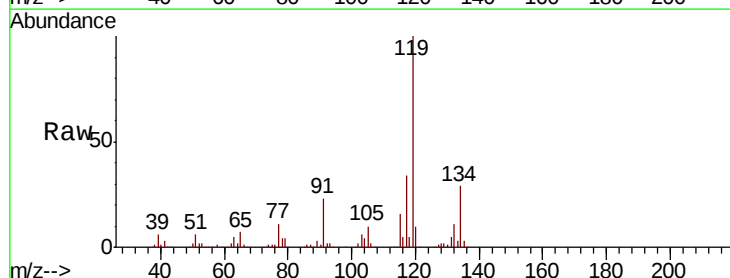
Tgt Ion: 117 Resp: 72647

Ion Ratio Lower Upper

117 100

119 292.4 77.0 115.4#

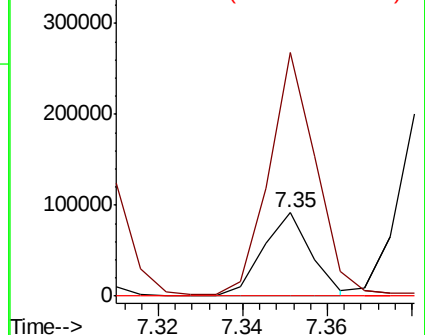
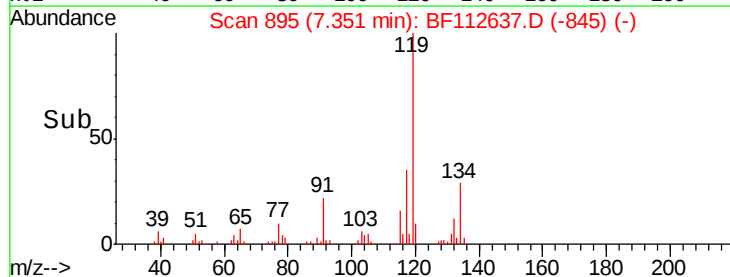
201 0.0 74.1 111.1#

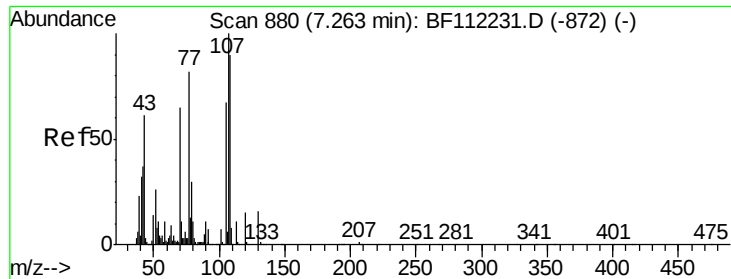


Abundance Ion 117.00 (116.70 to 117.70): BF112231.D (-891) (-)

Ion 119.00 (118.70 to 119.70): BF112231.D (-891) (-)

Ion 201.00 (200.70 to 201.70): BF112231.D (-891) (-)

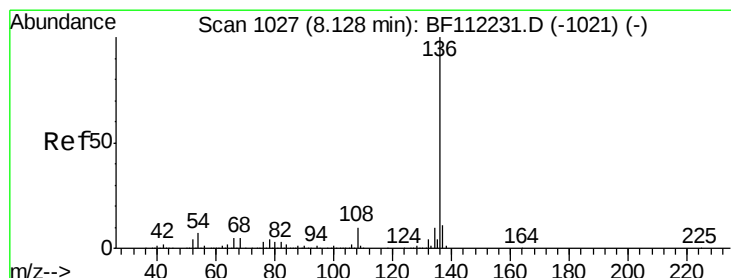
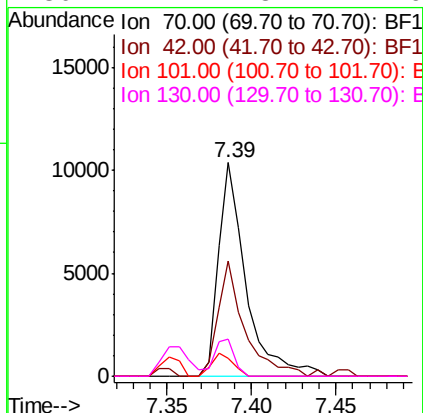
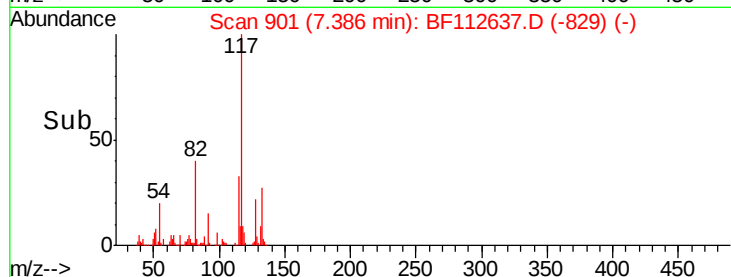
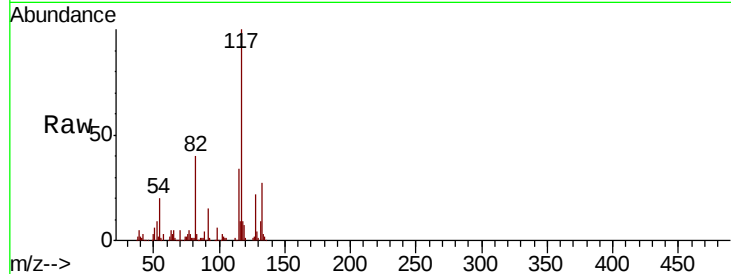




#19
n-Nitroso-di-n-propylamine
Concen: 3.490 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

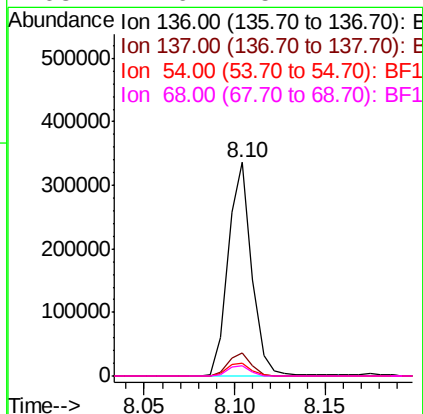
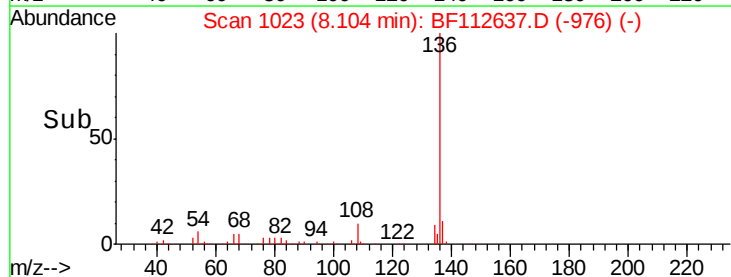
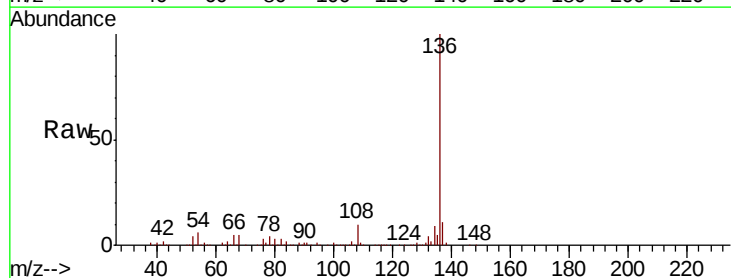
Instrument :
BNA_F
ClientSampleId :

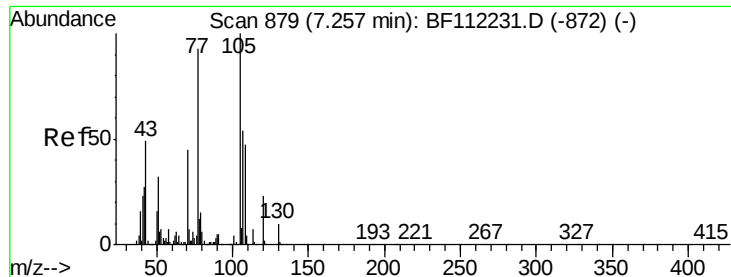
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.9	47.6	71.4
101	8.5	7.9	11.9
130	17.2	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	6.0	5.9	8.9
68	4.6	5.1	7.7#





#22

Acetophenone

Concen: 8.898 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.05 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 65978

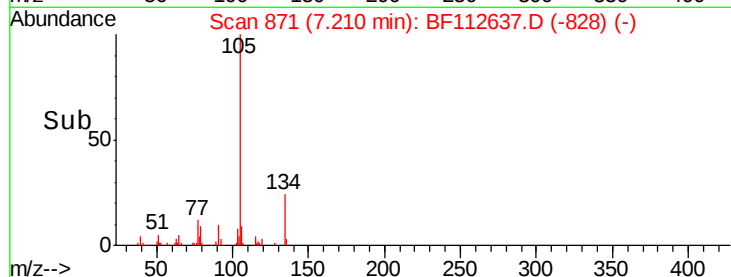
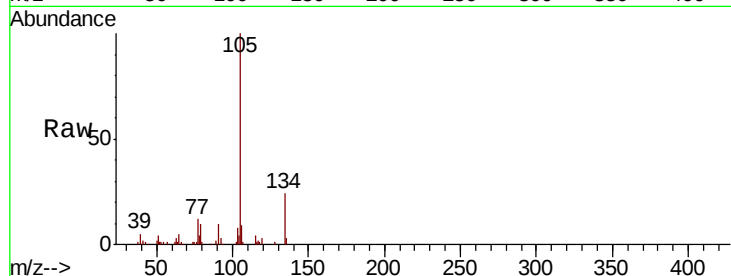
Ion Ratio Lower Upper

105 100

71 0.0 4.6 6.8#

51 4.5 25.0 37.6#

120 0.0 19.0 28.4#

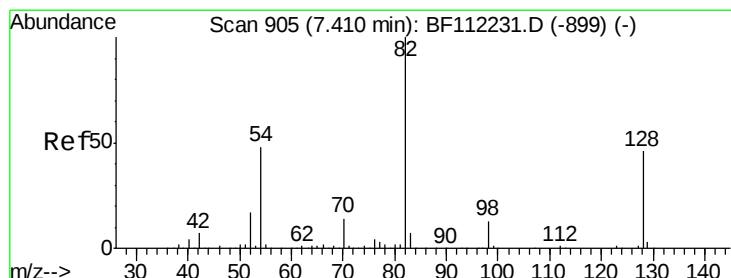
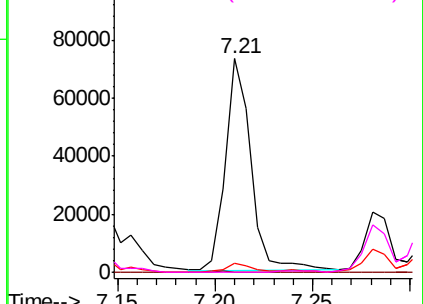


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 16.819 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

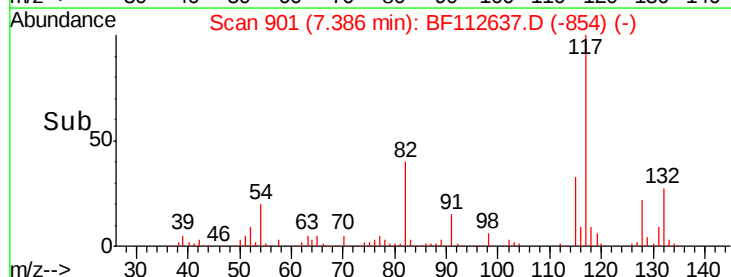
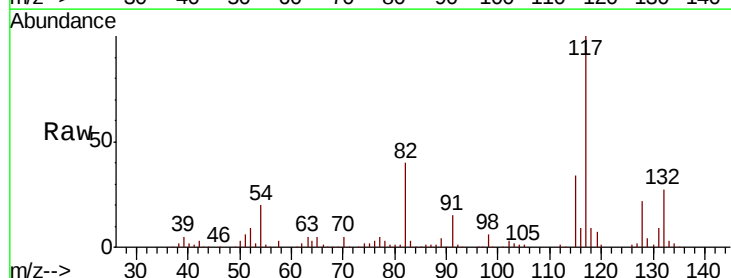
Tgt Ion: 82 Resp: 88887

Ion Ratio Lower Upper

82 100

128 55.4 37.8 56.8

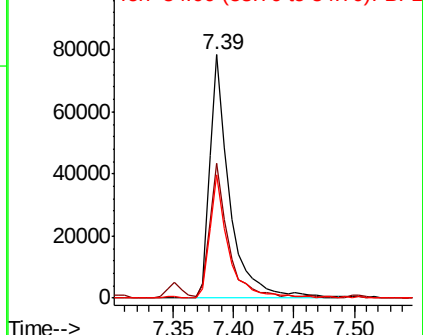
54 50.4 39.7 59.5

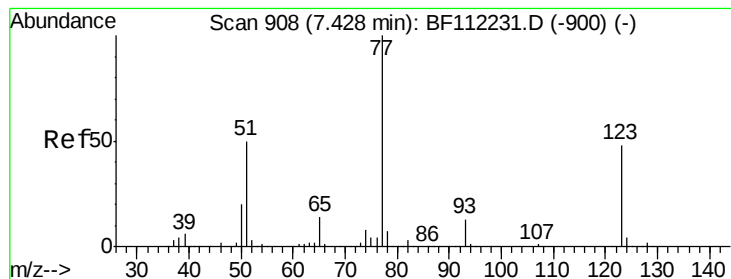


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 2.274 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampled :

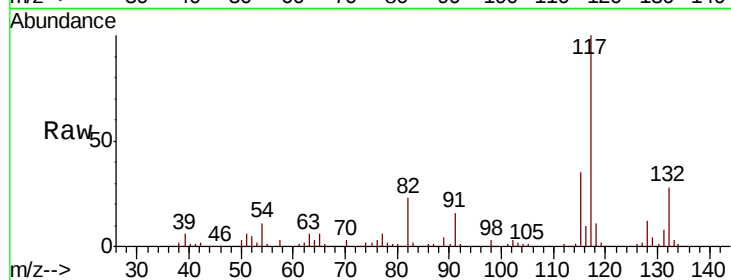
Tot Ion: 77 Resp: 12002

Ion Ratio Lower Upper

77 100

123 0.0 38.4 57.6#

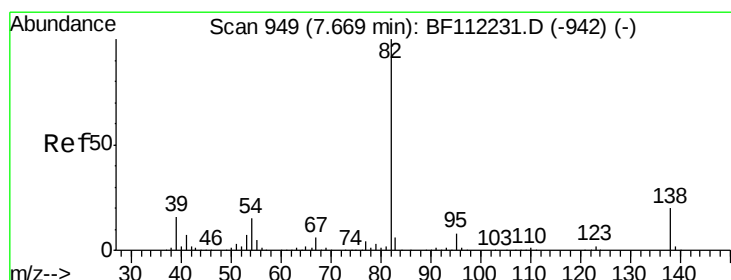
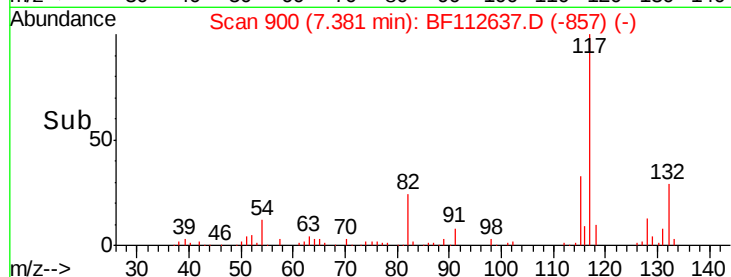
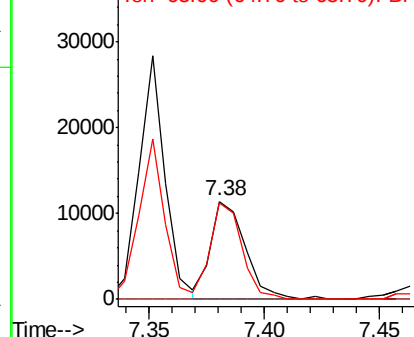
65 98.4 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 10.721 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

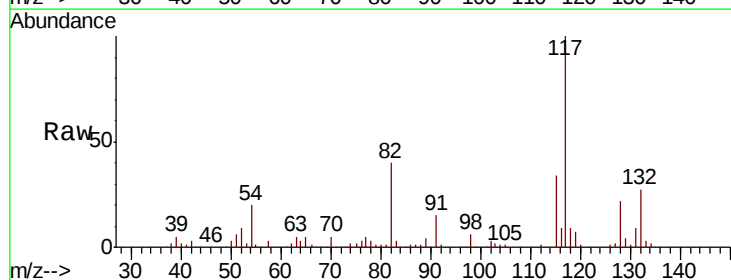
Tgt Ion: 82 Resp: 88887

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

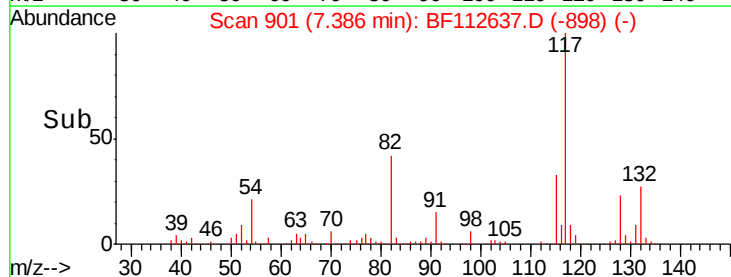
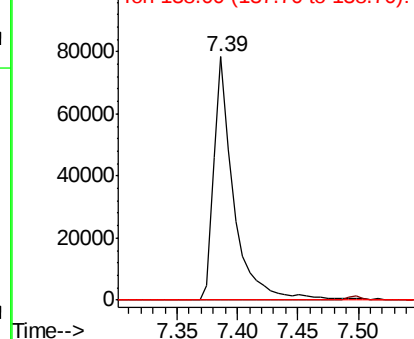
138 0.0 15.4 23.0#

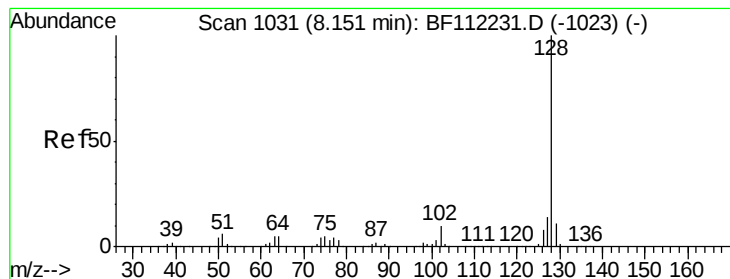


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 77.511 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampleId :

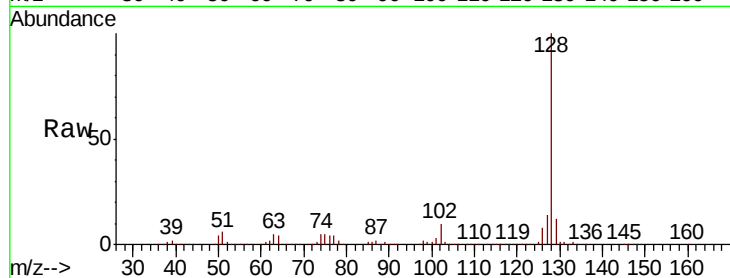
Tot Ion:128 Resp: 1103804

Ion Ratio Lower Upper

128 100

129 11.5 9.6 14.4

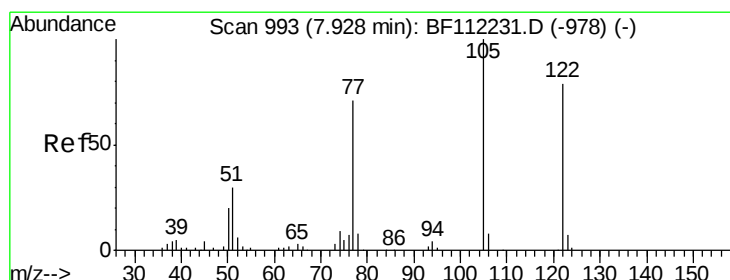
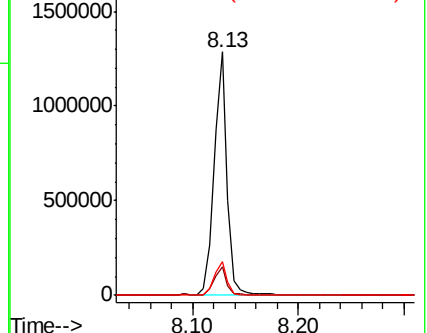
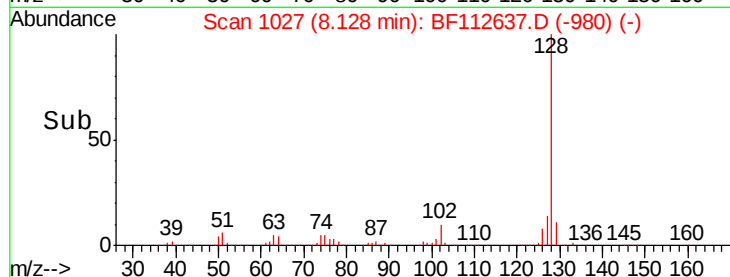
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.990 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.03 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

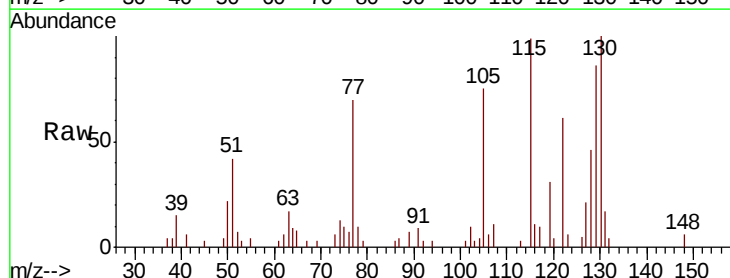
Tgt Ion:122 Resp: 19929

Ion Ratio Lower Upper

122 100

105 123.1 101.2 141.2

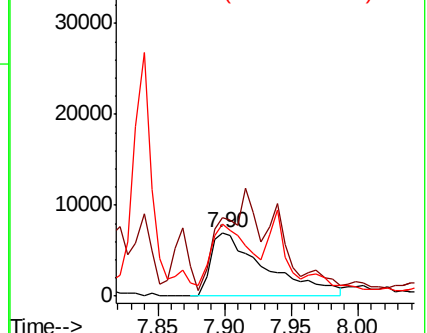
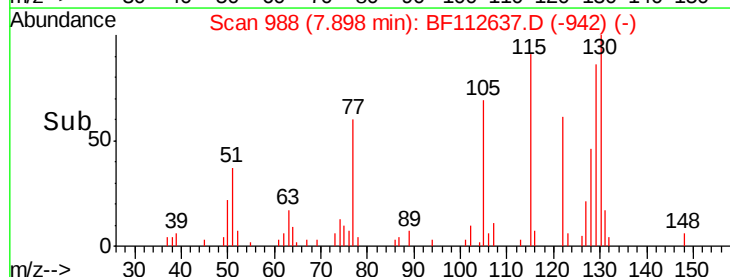
77 114.2 70.4 110.4#

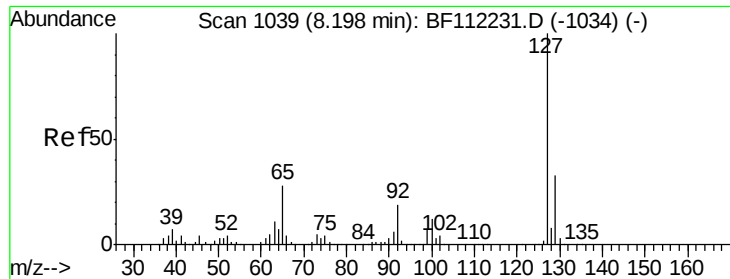


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

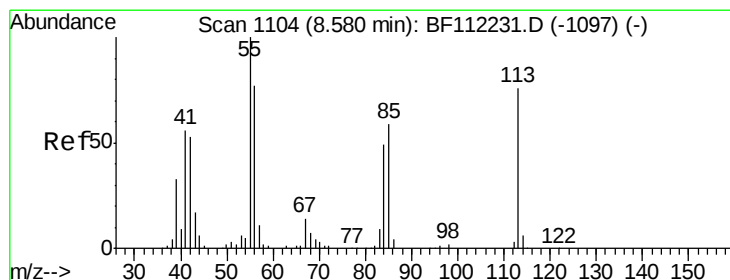
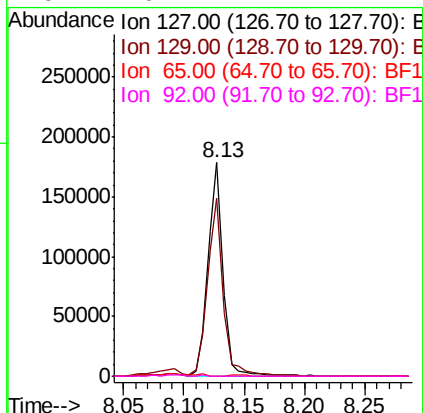
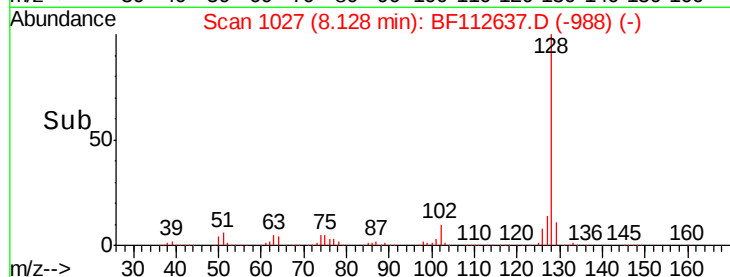
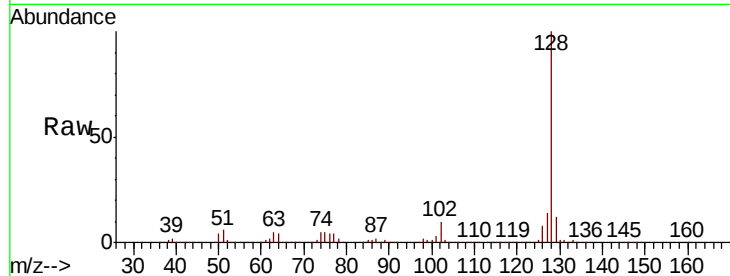




#33
4-Chloroaniline
Concen: 24.837 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.07 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

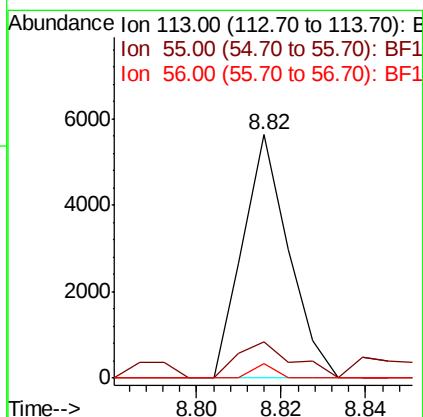
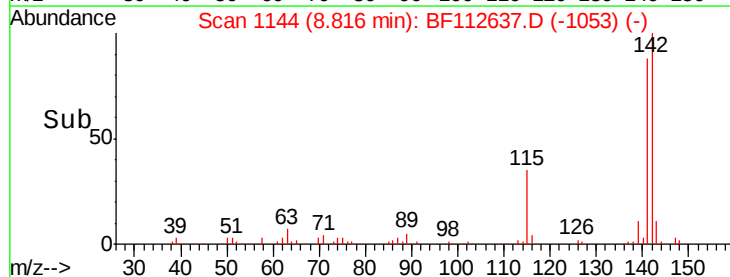
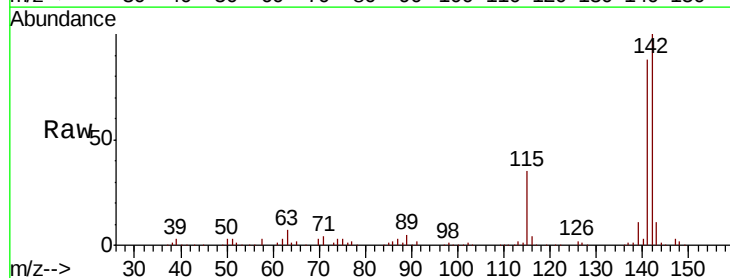
Instrument :
BNA_F
ClientSampled :

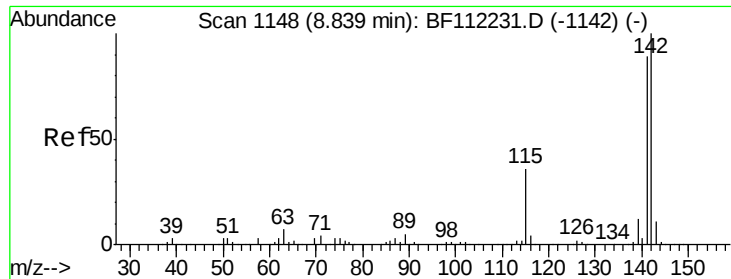
Tot Ion:127 Resp: 154006
Ion Ratio Lower Upper
127 100
129 83.1 26.6 39.8#
65 0.0 21.4 32.2#
92 0.2 14.2 21.2#



#35
Caprolactam
Concen: 2.789 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.24 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Tgt Ion:113 Resp: 4279
Ion Ratio Lower Upper
113 100
55 14.9 121.6 161.6#
56 6.2 86.7 126.7#

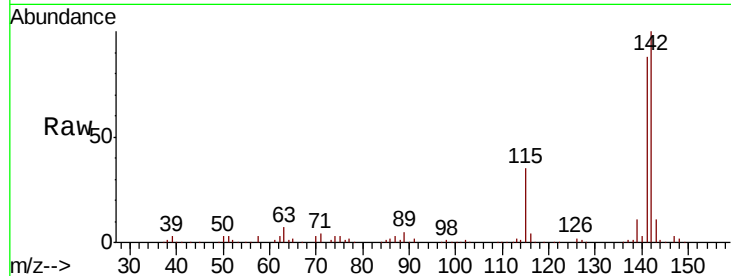




#37
2-Methylnaphthalene
Concen: 19.738 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3
115	35.1	24.9	37.3

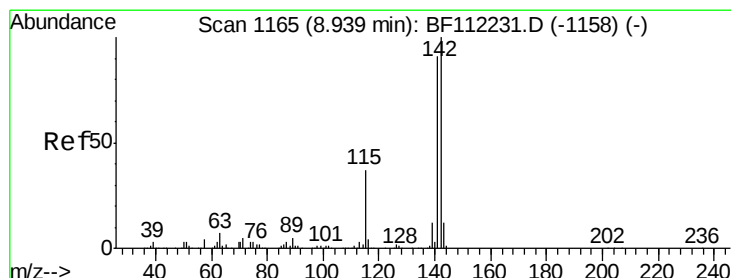
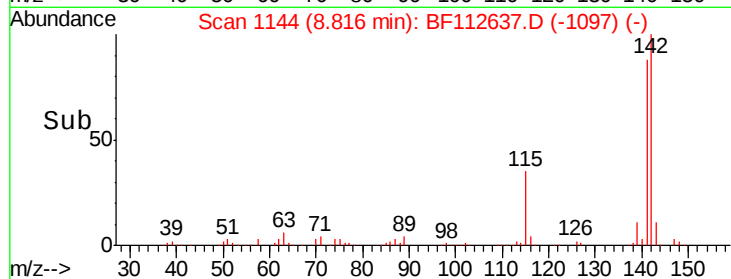
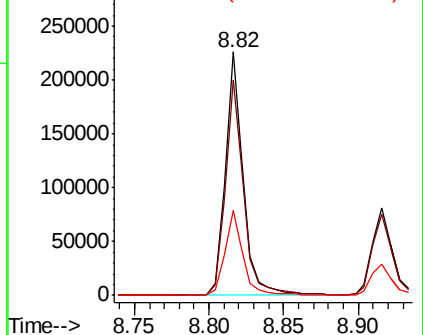


Abundance

Ion 142.00 (141.70 to 142.70): E

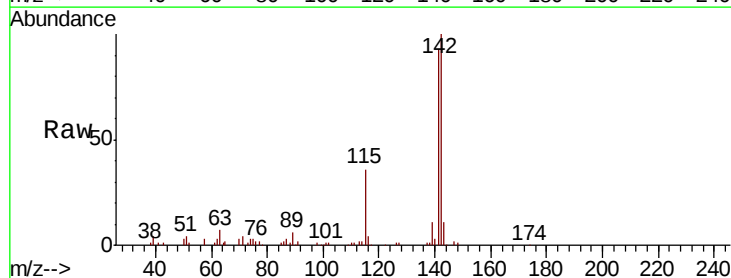
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 8.287 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.6	108.8
116	3.8	2.8	4.2

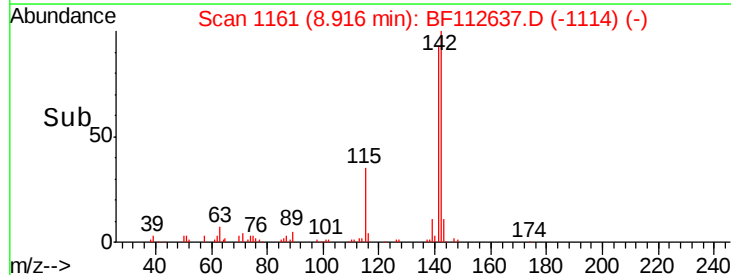
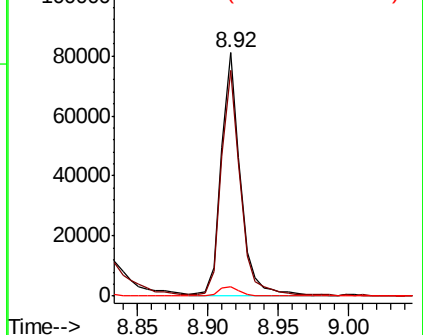


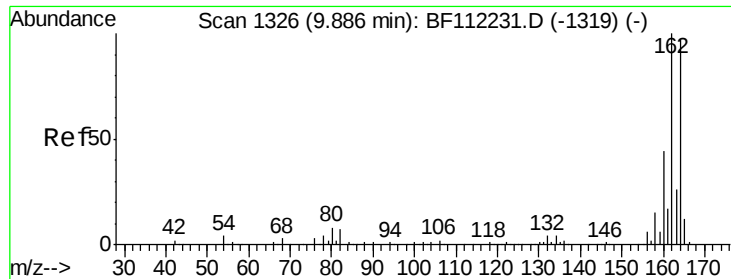
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

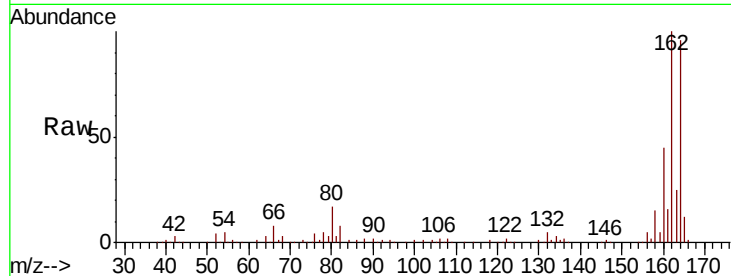




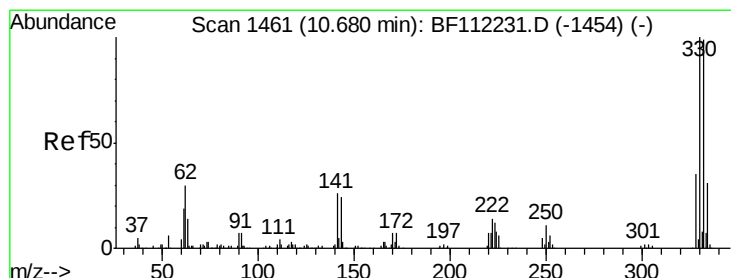
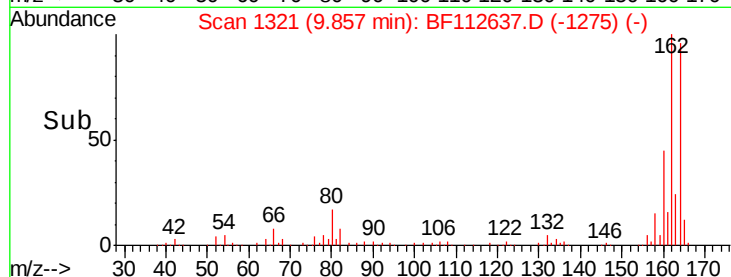
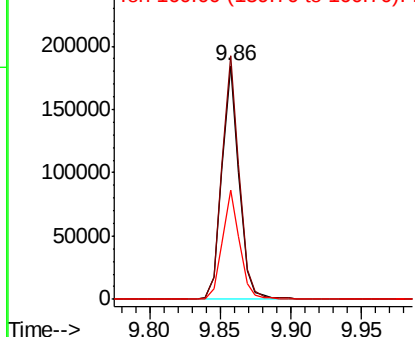
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 156335
 Ion Ratio Lower Upper
 164 100
 162 104.1 82.2 123.4
 160 46.6 36.2 54.4

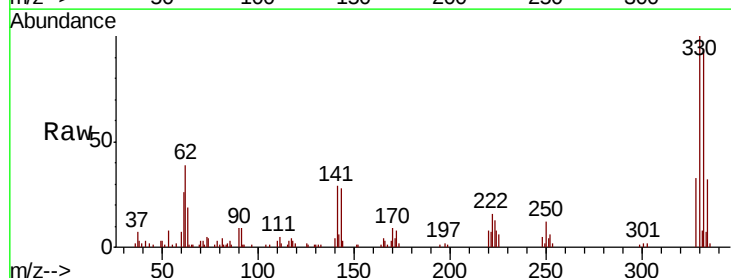


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

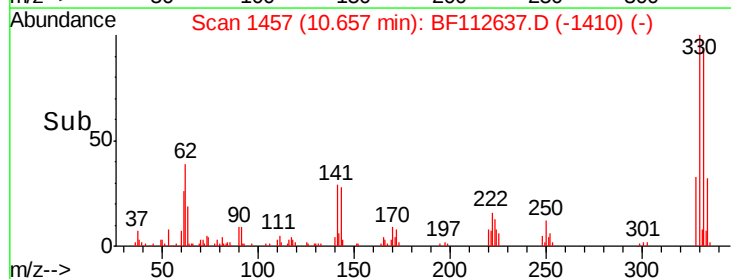
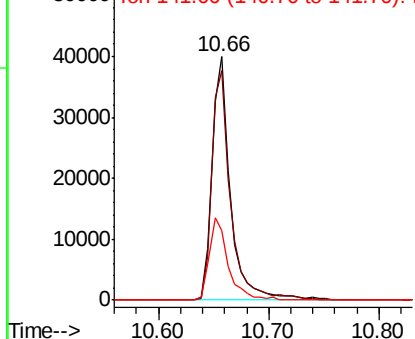


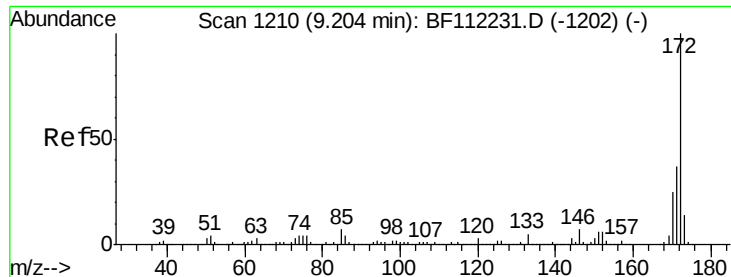
#42
 2,4,6-Tribromophenol
 Concen: 24.944 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

Tgt Ion:330 Resp: 45390
 Ion Ratio Lower Upper
 330 100
 332 96.5 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: 18.090 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

Instrument :

BNA_F

ClientSampleId :

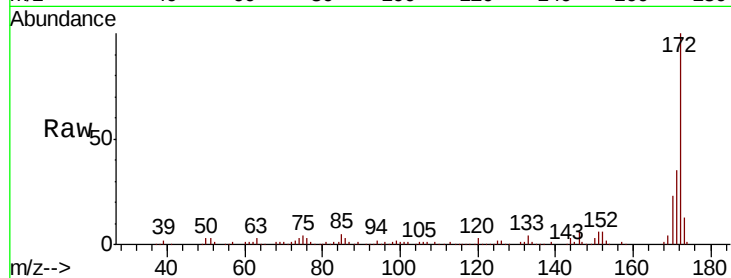
Tot Ion:172 Resp: 199963

Ion Ratio Lower Upper

172 100

171 34.7 30.5 45.7

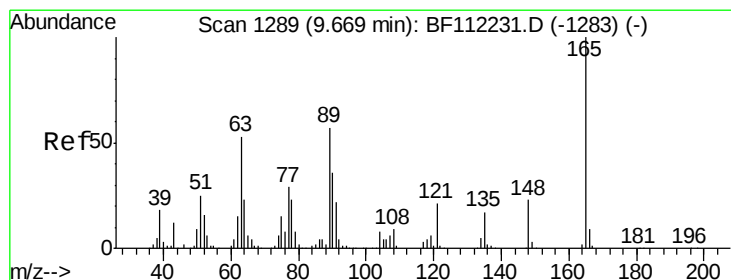
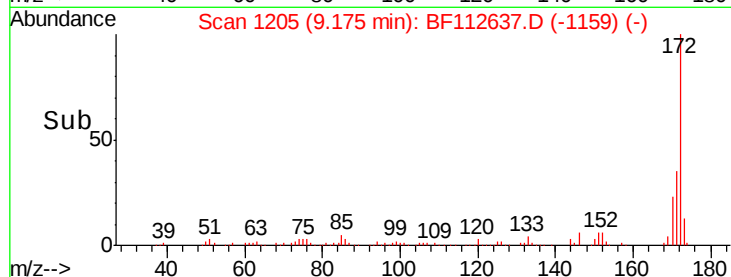
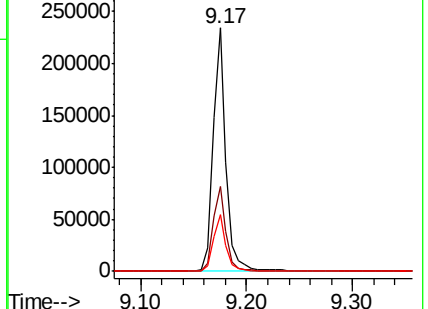
170 23.4 20.2 30.4



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: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112637.D

Acq: 20 Feb 2019 13:01

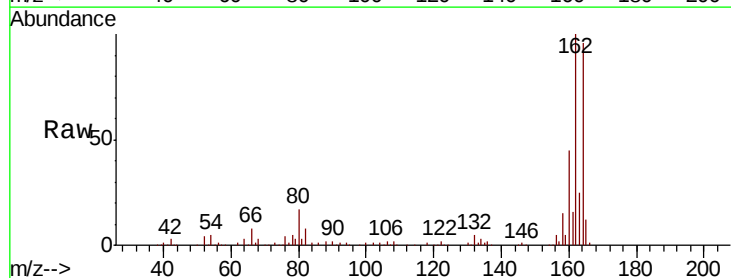
Tgt Ion:165 Resp: 19673

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

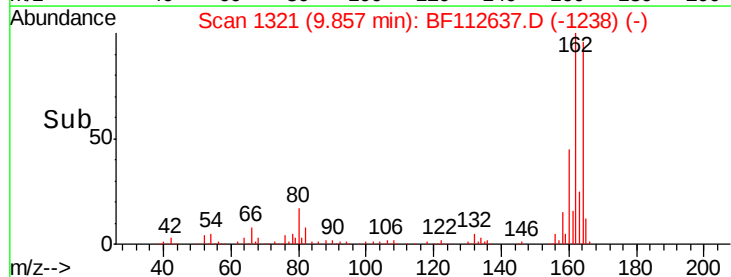
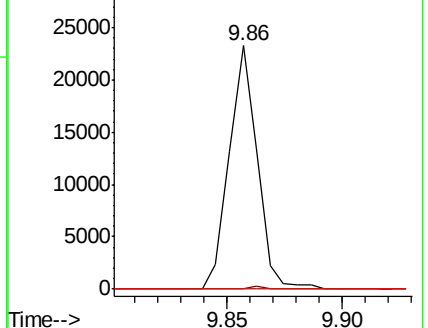
89 0.0 36.9 55.3#

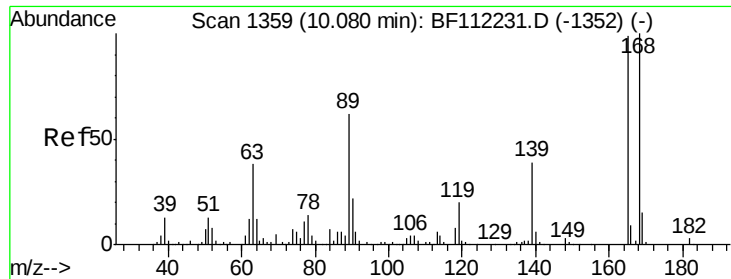


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

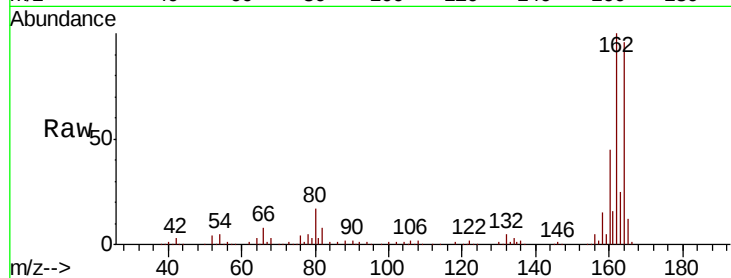




#57
 2,4-Dinitrotoluene
 Concen: 5.681 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.22 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

Instrument :
 BNA_F
 ClientSampleId :

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

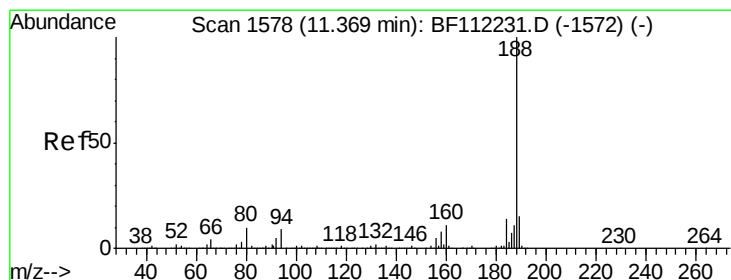
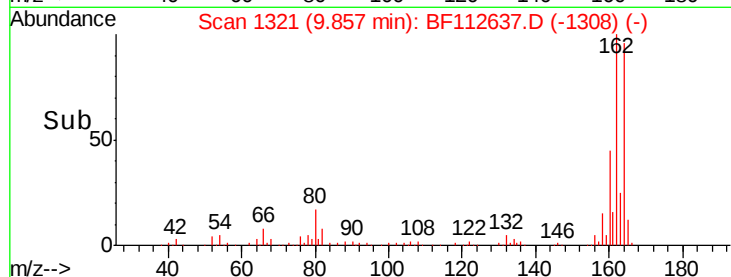
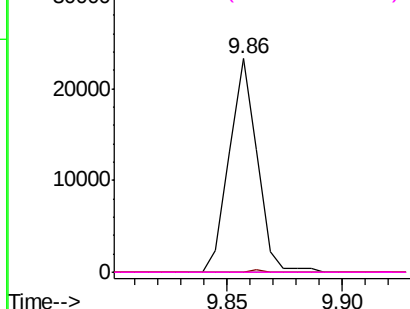


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

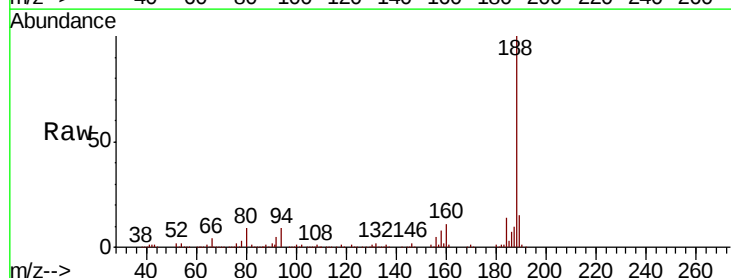
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

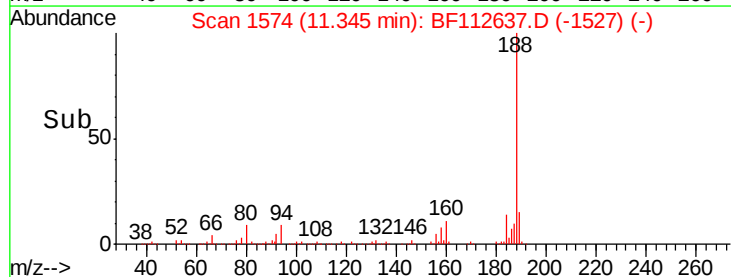
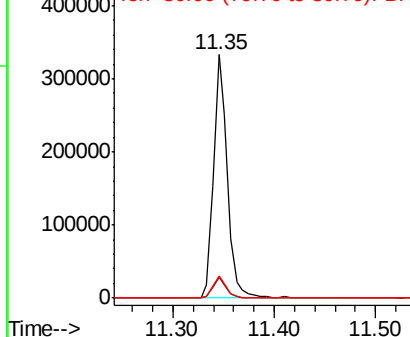
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	9.2	8.9	13.3

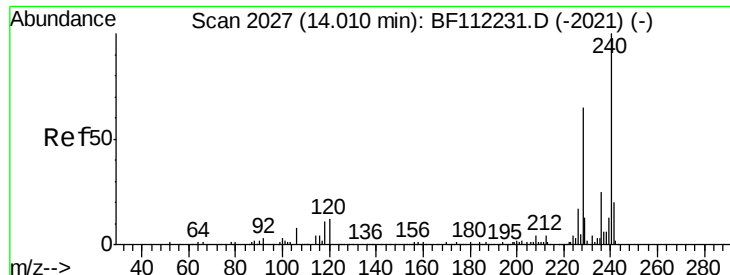


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

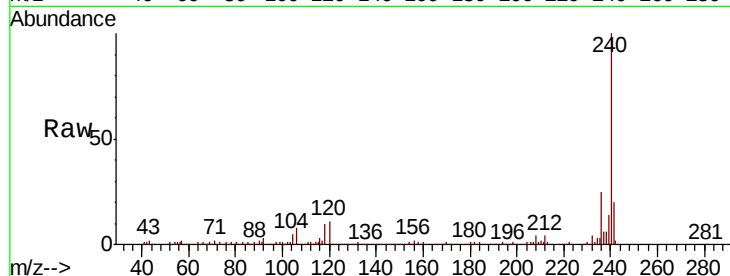




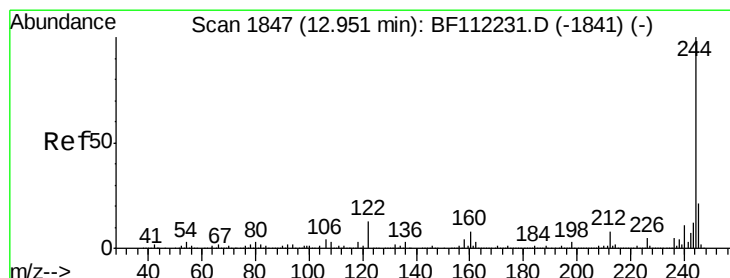
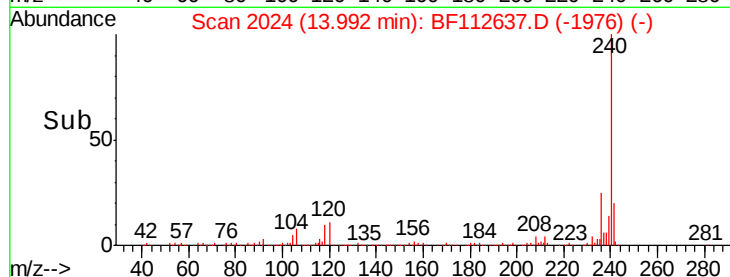
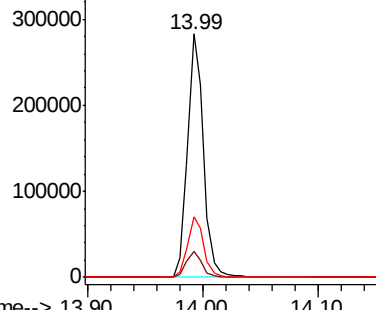
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.0	13.6
236	24.7	20.7	31.1

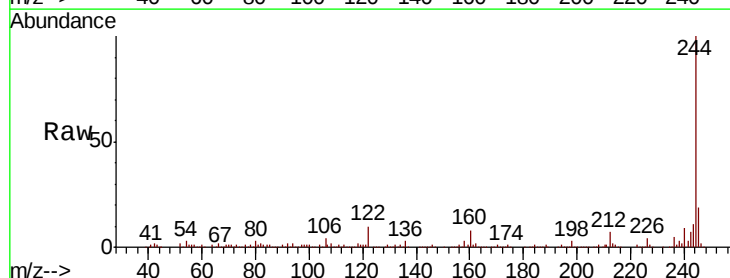


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

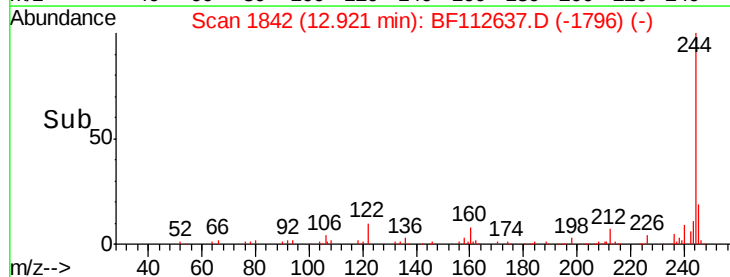
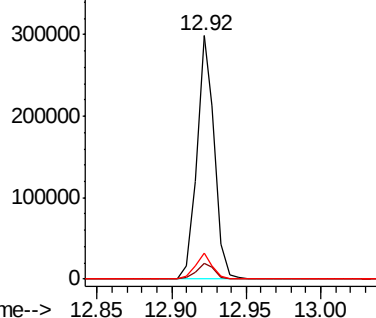


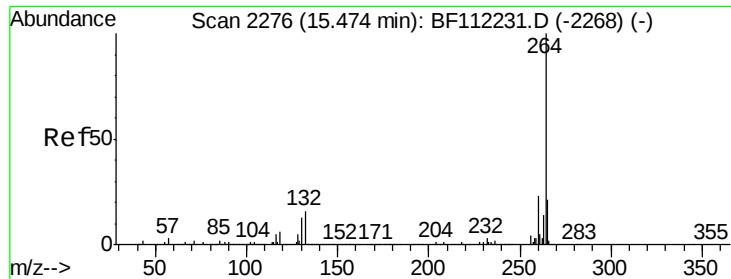
#79
 Terphenyl-d14
 Concen: 17.336 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BF112637.D
 Acq: 20 Feb 2019 13:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.5	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

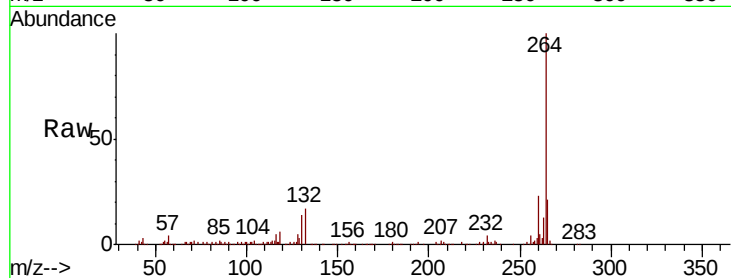




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112637.D
Acq: 20 Feb 2019 13:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	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

