

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112458.D
 Acq On : 8 Feb 2019 14:37
 Operator : JU/SJ
 Sample : K1409-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(14-17)

Quant Time: Feb 09 04:56:22 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

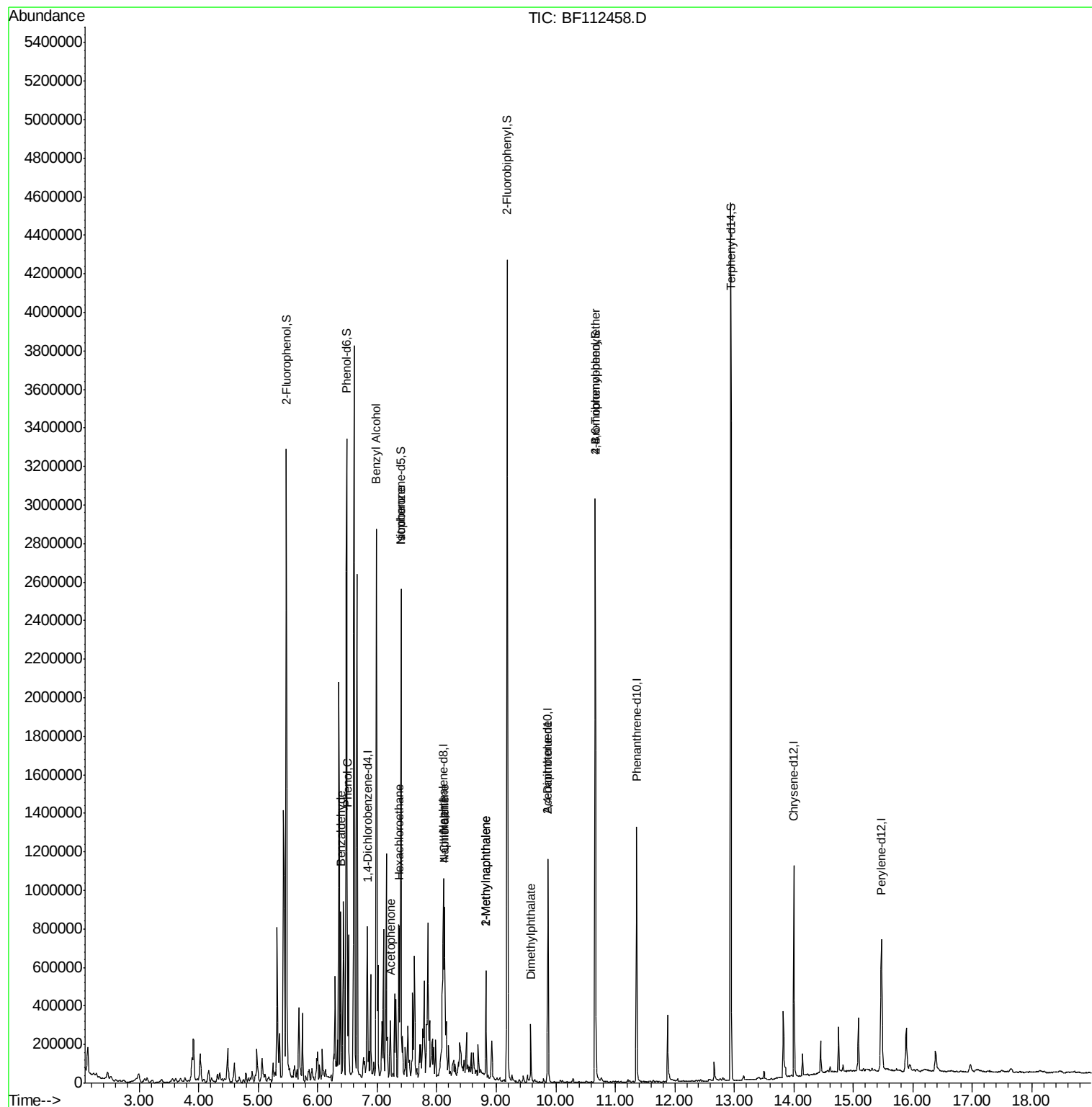
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	123698	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	483627	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	242307	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	476872	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	398624	20.00	ng	0.00
87) Perylene-d12	15.47	264	323269	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	936278	160.77	ng	0.00
7) Phenol-d6	6.49	99	1171851	144.81	ng	0.00
23) Nitrobenzene-d5	7.40	82	726576	86.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	387222	137.29	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1436632	83.86	ng	-0.02
79) Terphenyl-d14	12.94	244	1558734	73.65	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.39	77	29543	6.985	ng	# 1
10) Phenol	6.50	94	30020	3.381	ng	# 86
15) Benzyl Alcohol	6.99	79	14999	2.199	ng	# 43
18) Hexachloroethane	7.36	117	60389	18.314	ng	# 1
22) Acetophenone	7.22	105	86409	7.337	ng	# 54
25) Isophorone	7.40	82	720021	54.682	ng	# 64
31) Naphthalene	8.13	128	285686	12.632	ng	# 98
33) 4-Chloroaniline	8.13	127	39470	4.008	ng	# 34
37) 2-Methylnaphthalene	8.83	142	158027	10.207	ng	# 99
38) 1-Methylnaphthalene	8.83	142	158027	10.649	ng	# 97
50) Dimethylphthalate	9.58	163	128951	6.850	ng	# 98
57) 2,4-Dinitrotoluene	9.87	165	31231	5.818	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	23110	4.120	ng	# 1

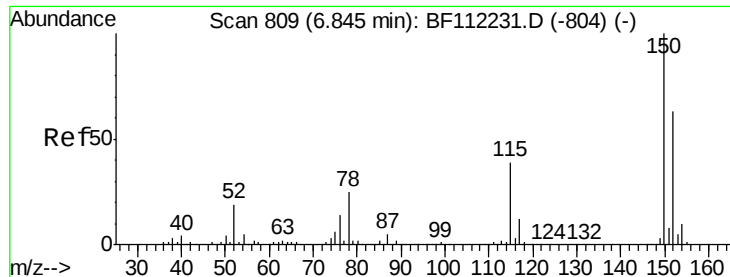
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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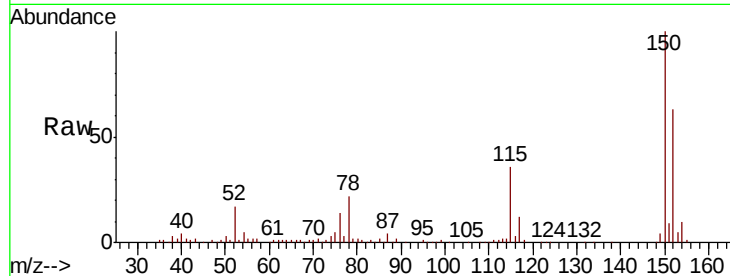




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112458.D
 Acq: 8 Feb 2019 14:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-08(14-17)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	127.4	191.0
115	56.9	45.5	68.3

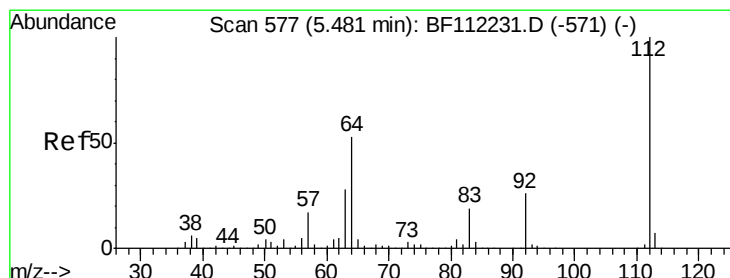
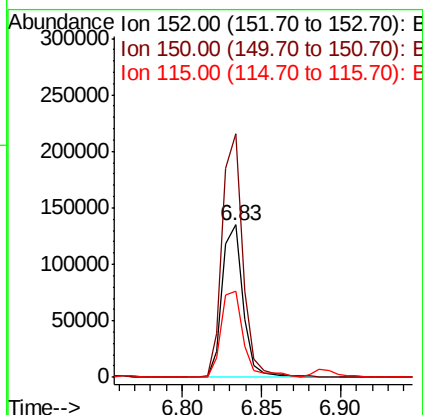
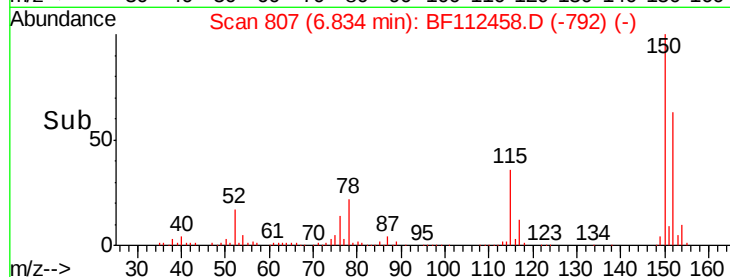


Abundance

Ion 152.00 (151.70 to 152.70): E

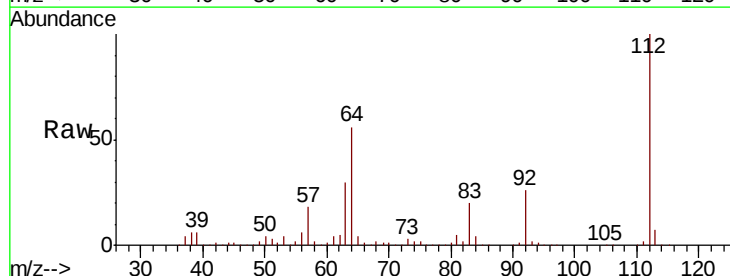
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 160.772 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112458.D
 Acq: 8 Feb 2019 14:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	45.7	68.5
63	29.7	23.6	35.4

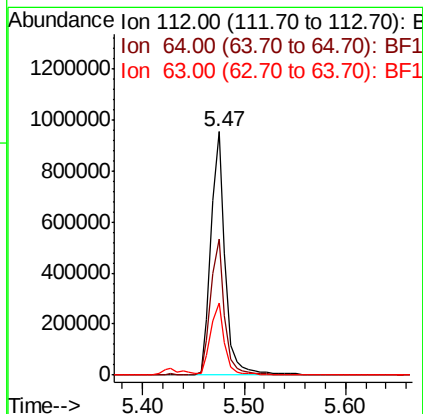
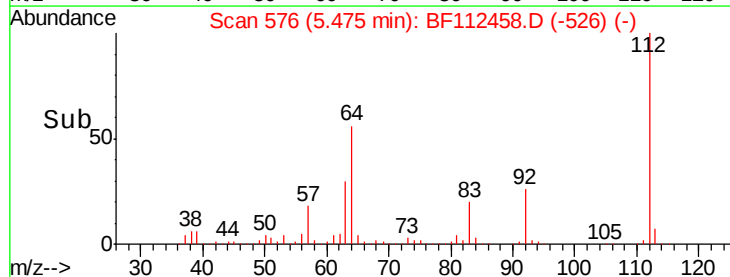


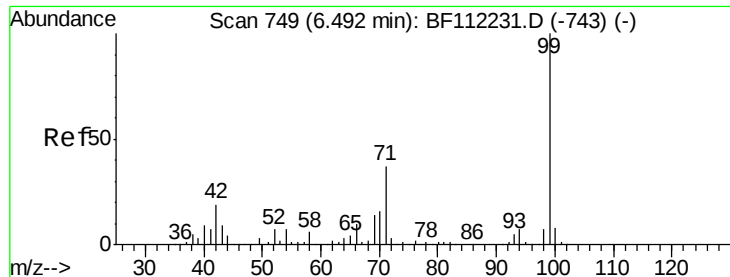
Abundance

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: 144.812 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

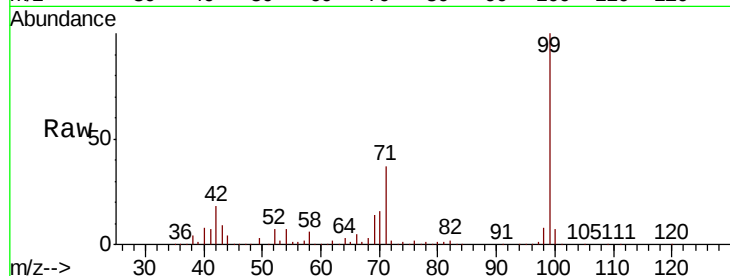
Tot Ion: 99 Resp: 1171851

Ion Ratio Lower Upper

99 100

42 18.5 15.1 22.7

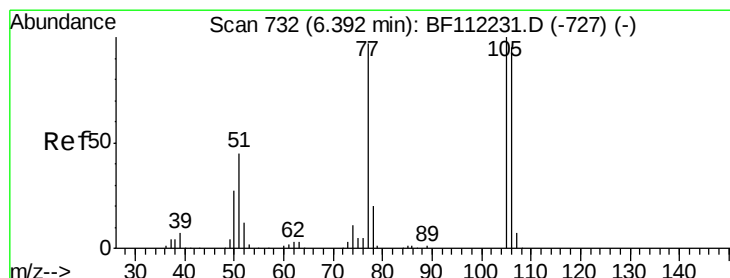
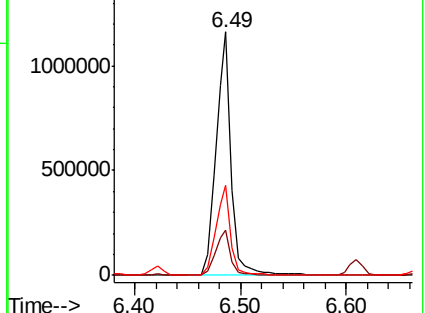
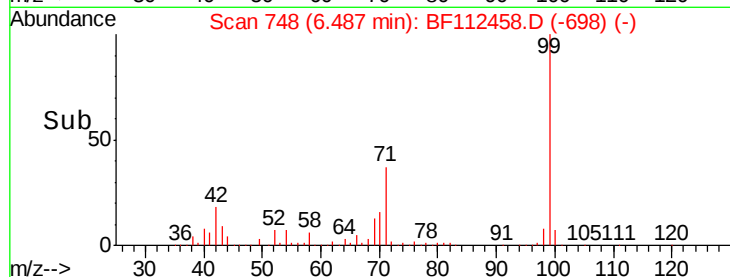
71 36.7 26.9 40.3



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



#9

Benzaldehyde

Concen: 6.985 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

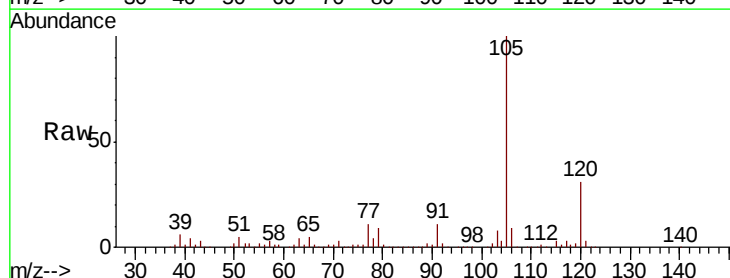
Tgt Ion: 77 Resp: 29543

Ion Ratio Lower Upper

77 100

105 911.4 80.8 120.8#

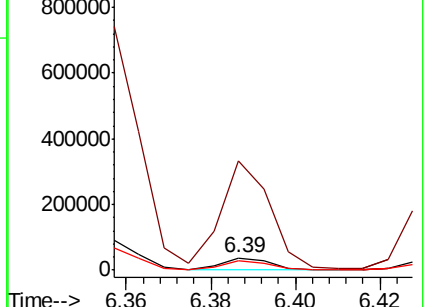
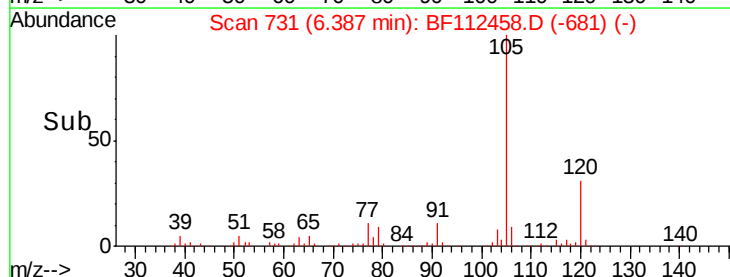
106 82.7 75.7 115.7

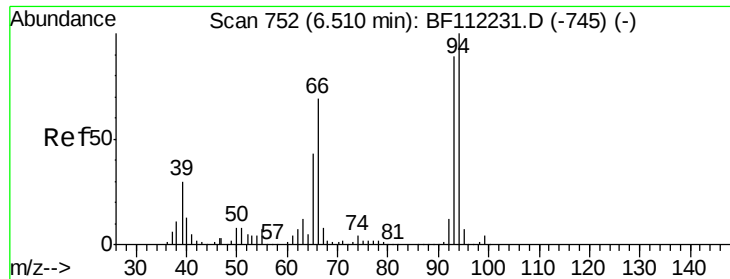


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.381 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

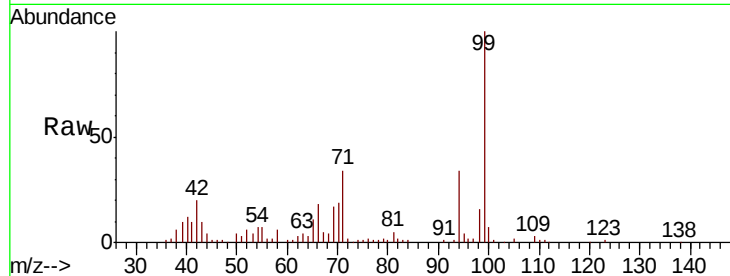
Tot Ion: 94 Resp: 30020

Ion Ratio Lower Upper

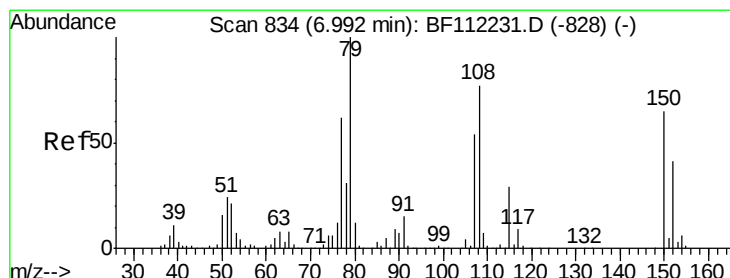
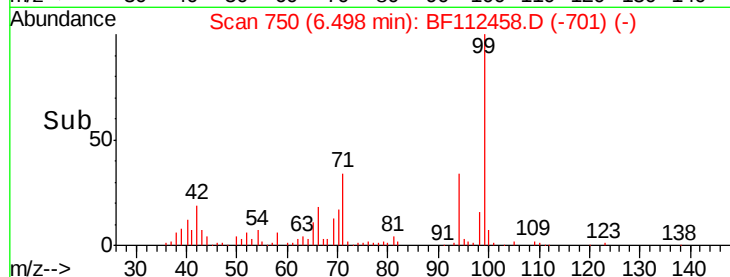
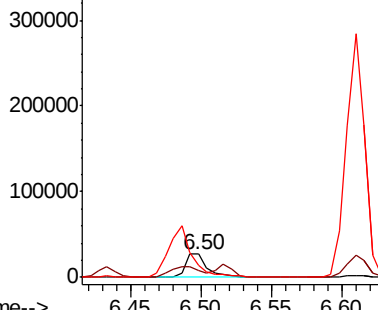
94 100

65 31.3 20.3 60.3

66 52.4 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 2.199 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

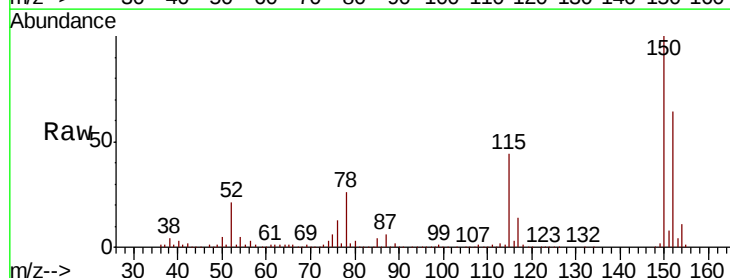
Tgt Ion: 79 Resp: 14999

Ion Ratio Lower Upper

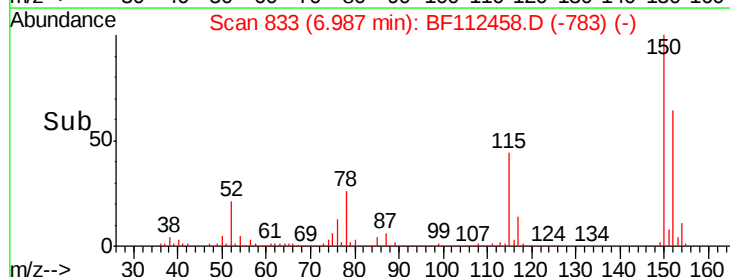
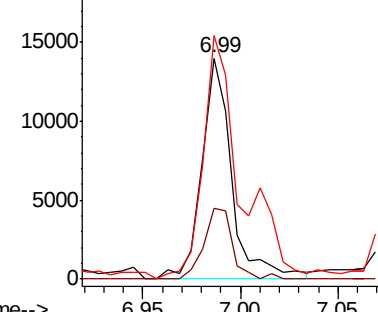
79 100

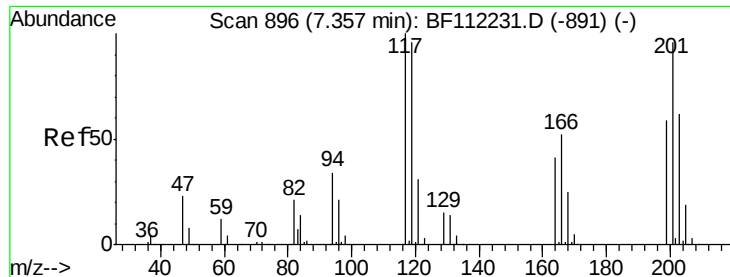
108 32.0 64.2 96.2#

77 110.3 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#18

Hexachloroethane

Concen: 18.314 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

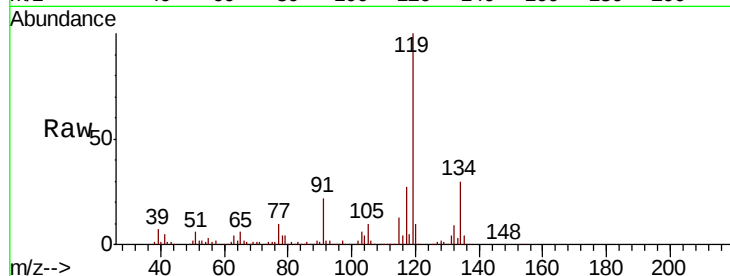
Tot Ion:117 Resp: 60389

Ion Ratio Lower Upper

117 100

119 368.2 77.0 115.4#

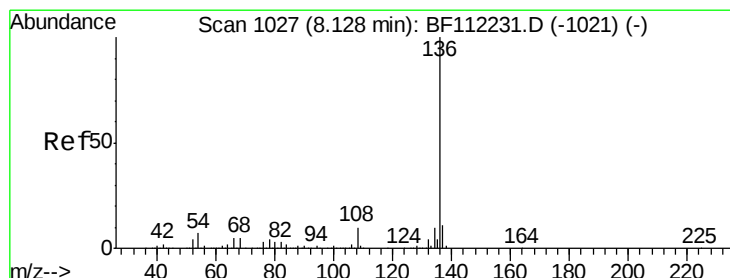
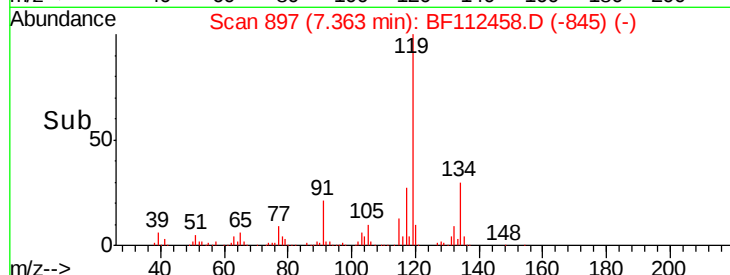
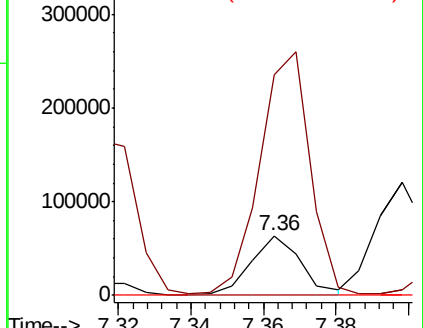
201 0.0 74.1 111.1#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Tgt Ion:136 Resp: 483627

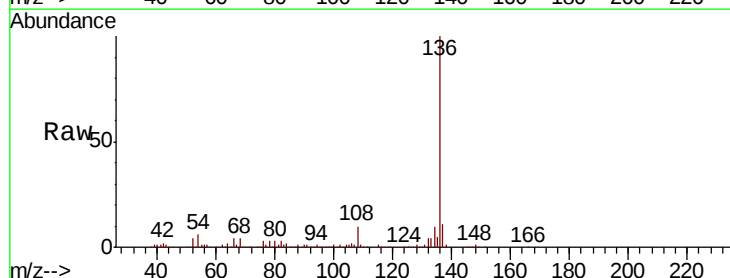
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 5.9 5.9 8.9#

68 4.4 5.1 7.7#

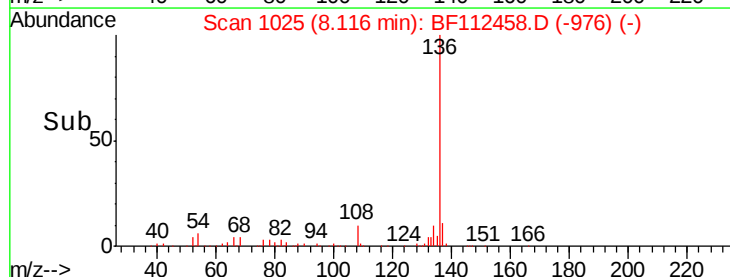
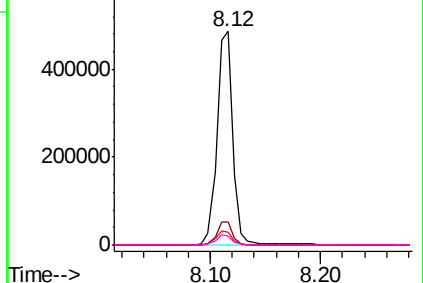


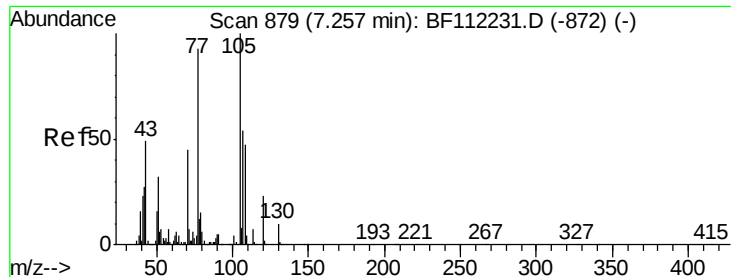
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 7.337 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.04 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

Tot Ion:105 Resp: 86409

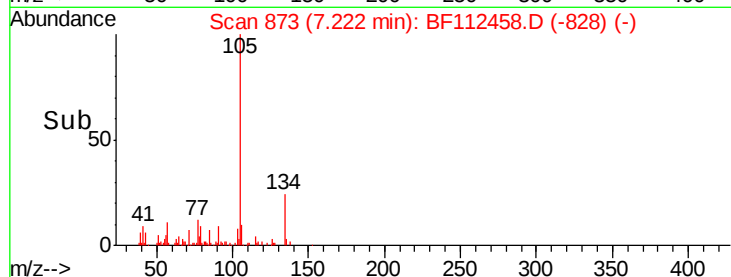
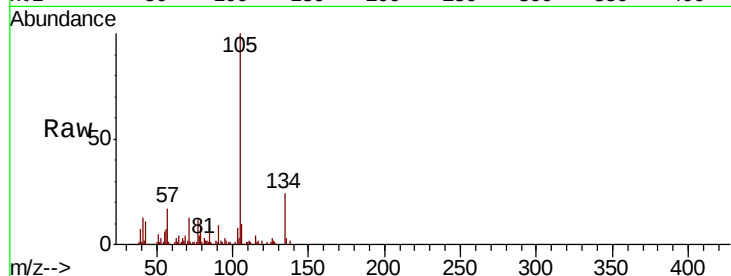
Ion Ratio Lower Upper

105 100

71 12.6 4.6 6.8#

51 4.7 25.0 37.6#

120 0.0 19.0 28.4#

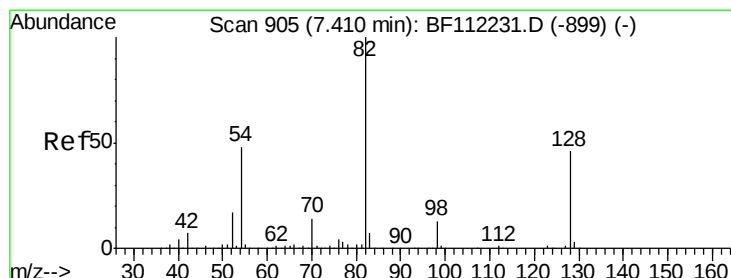
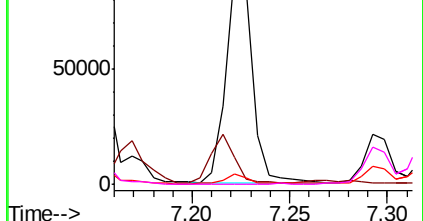


Abundance Ion 105.00 (104.70 to 105.70): E

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: 86.565 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

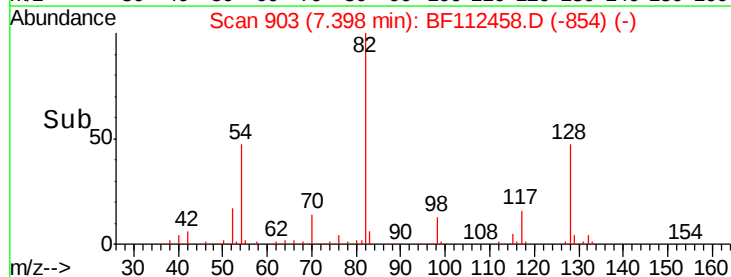
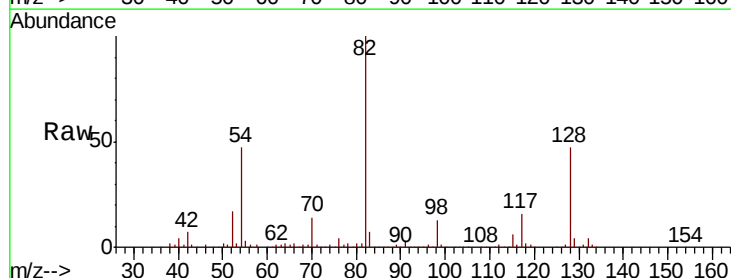
Tgt Ion: 82 Resp: 726576

Ion Ratio Lower Upper

82 100

128 47.4 37.8 56.8

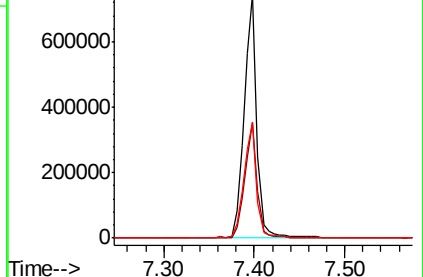
54 47.5 39.7 59.5

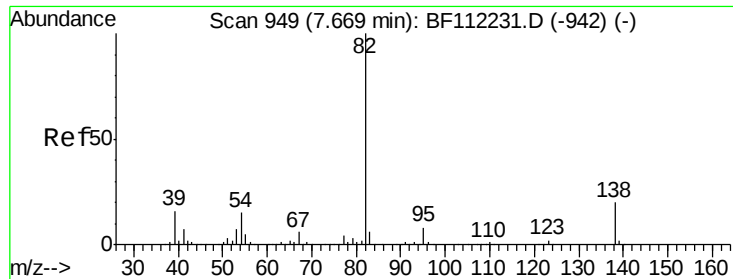


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.682 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

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SB-08(14-17)

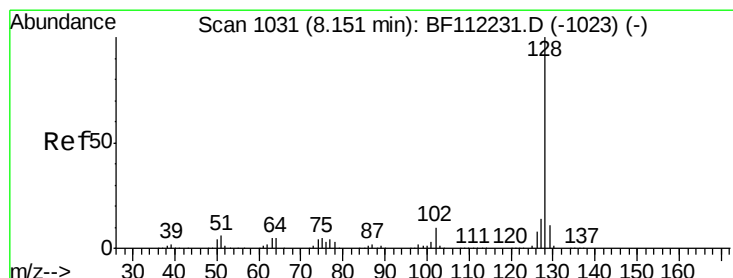
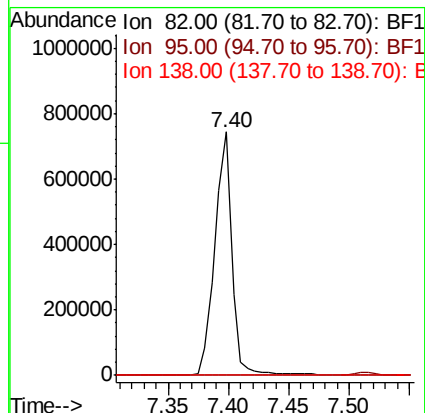
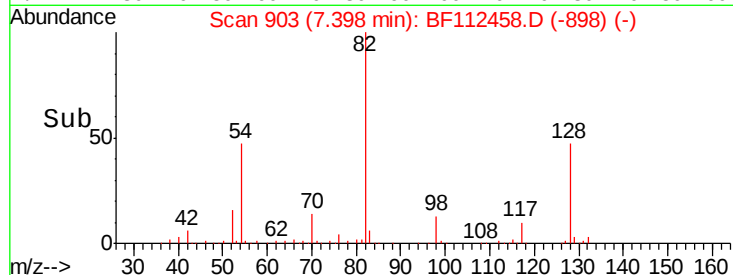
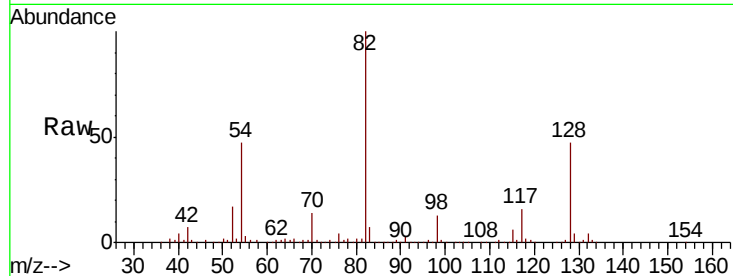
Tot Ion: 82 Resp: 720021

Ion Ratio Lower Upper

82 100

95 0.2 5.7 8.5#

138 0.0 15.4 23.0#



#31

Naphthalene

Concen: 12.632 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

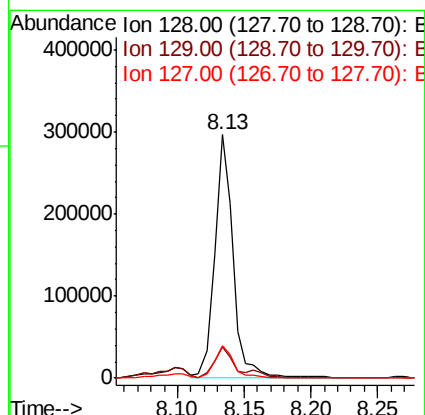
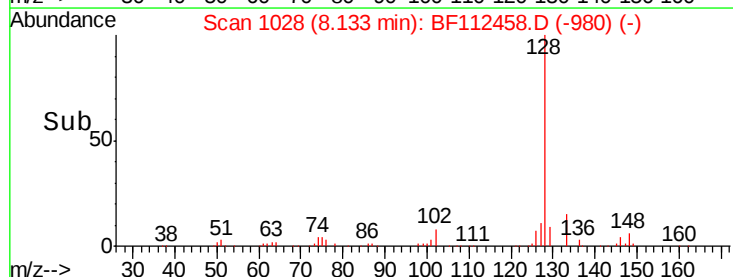
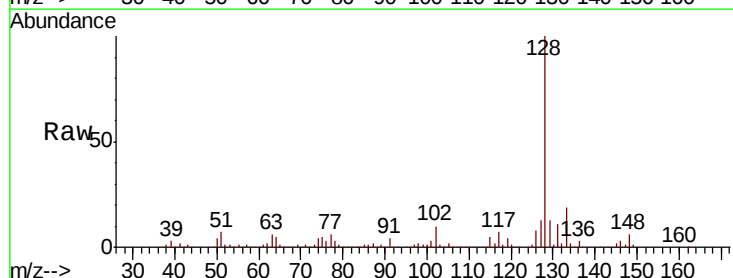
Tgt Ion: 128 Resp: 285686

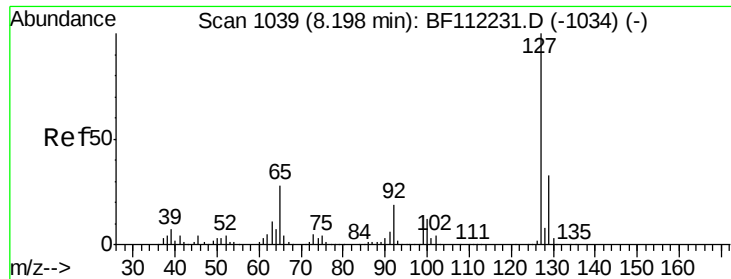
Ion Ratio Lower Upper

128 100

129 12.8 9.6 14.4

127 13.4 11.1 16.7

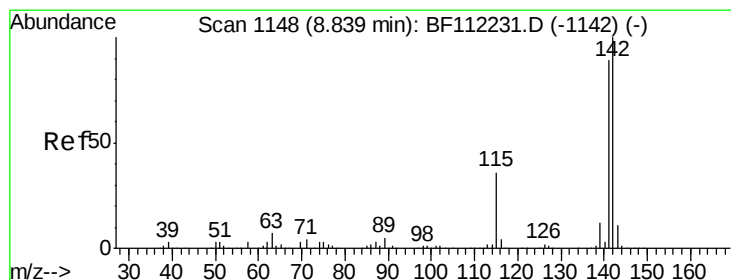
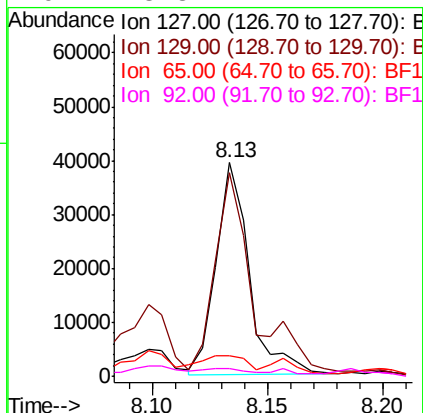
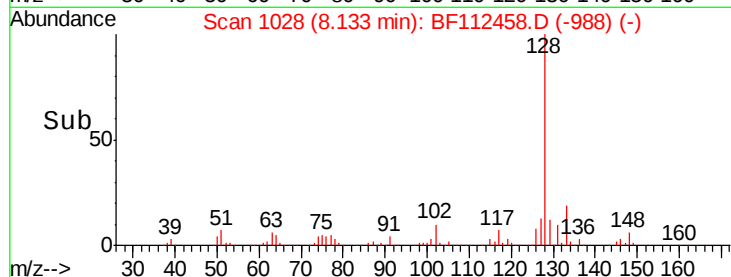
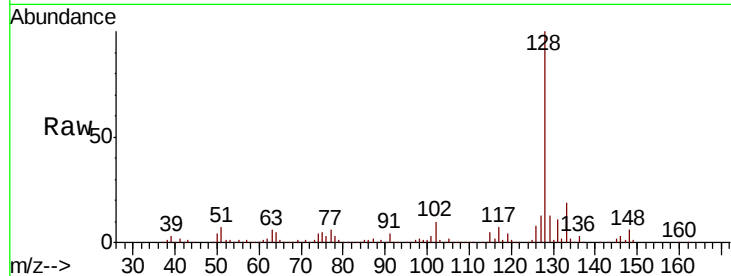




#33
4-Chloroaniline
Concen: 4.008 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF112458.D
Acq: 8 Feb 2019 14:37

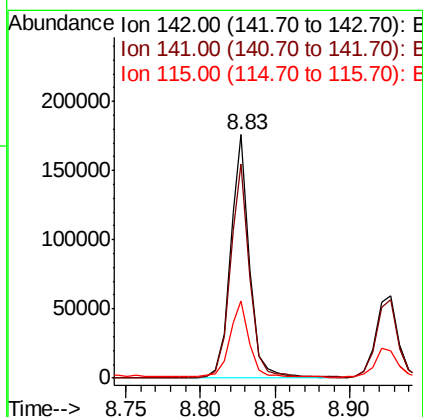
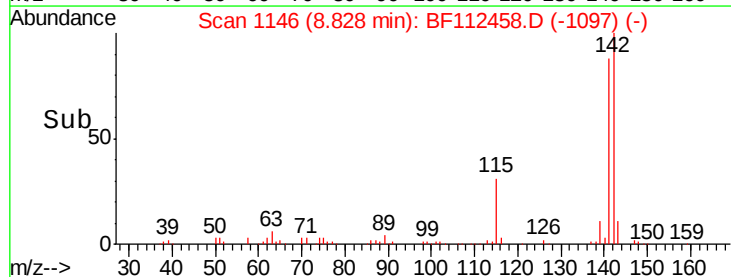
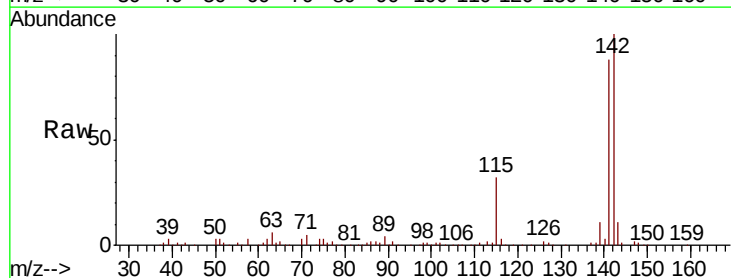
Instrument :
BNA_F
ClientSampleId :
SB-08(14-17)

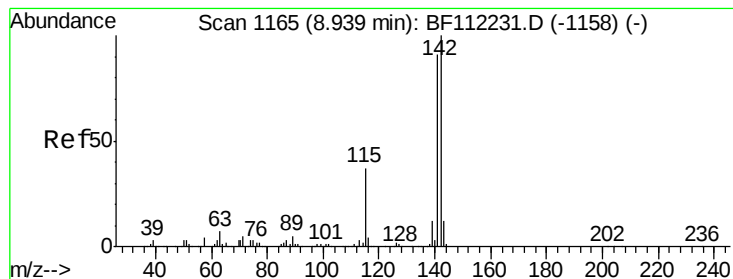
Tot Ion:127 Resp: 39470
Ion Ratio Lower Upper
127 100
129 95.5 26.6 39.8#
65 9.5 21.4 32.2#
92 3.3 14.2 21.2#



#37
2-Methylnaphthalene
Concen: 10.207 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF112458.D
Acq: 8 Feb 2019 14:37

Tgt Ion:142 Resp: 158027
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3
115 31.6 24.9 37.3





#38

1-Methylnaphthalene

Concen: 10.649 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.11 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

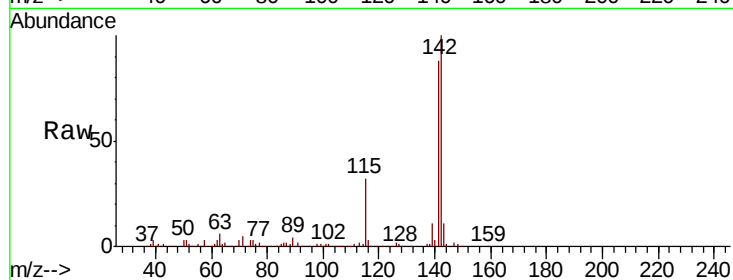
Tot Ion:142 Resp: 158027

Ion Ratio Lower Upper

142 100

141 88.0 72.6 108.8

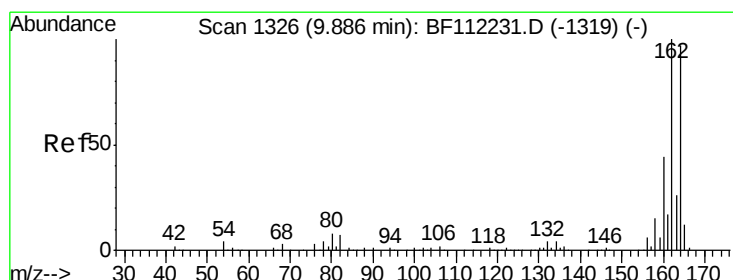
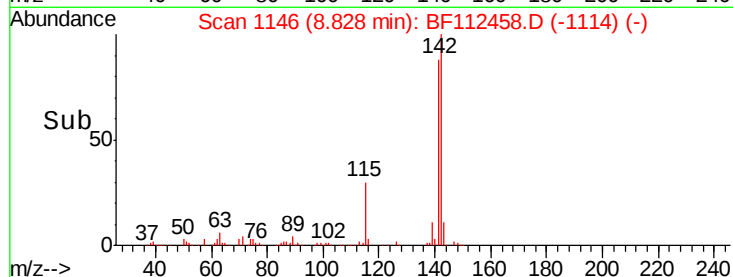
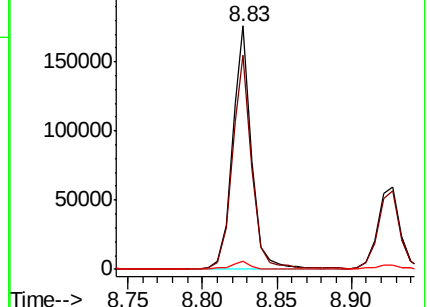
116 3.4 2.8 4.2



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

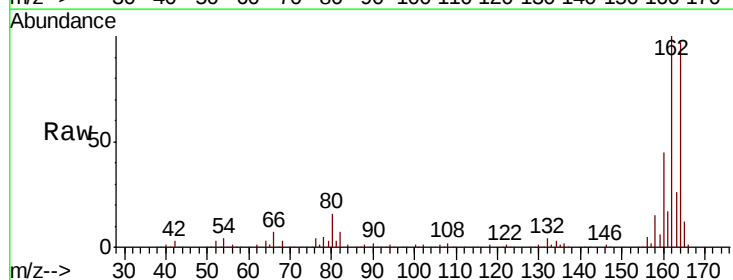
Tgt Ion:164 Resp: 242307

Ion Ratio Lower Upper

164 100

162 103.5 82.2 123.4

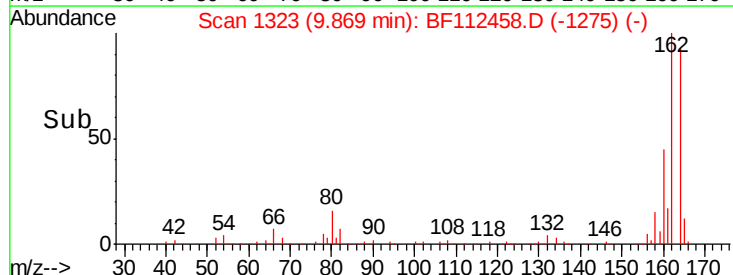
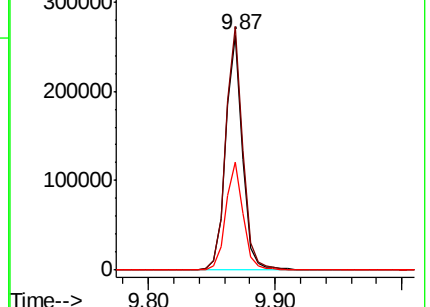
160 46.1 36.2 54.4

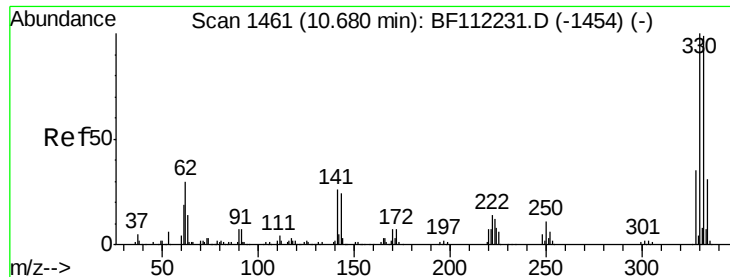


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 137.294 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

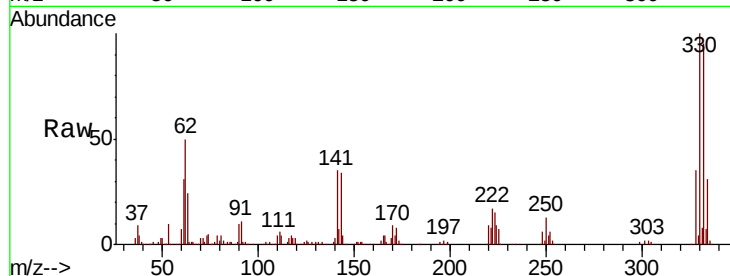
Tot Ion:330 Resp: 387222

Ion Ratio Lower Upper

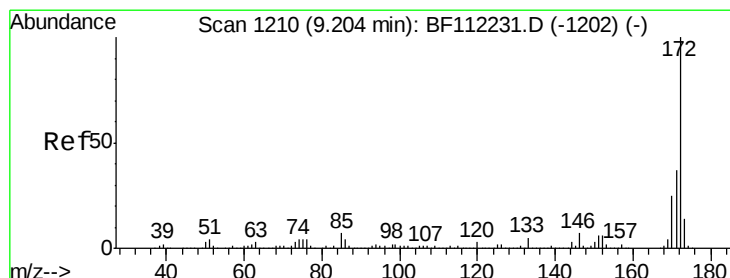
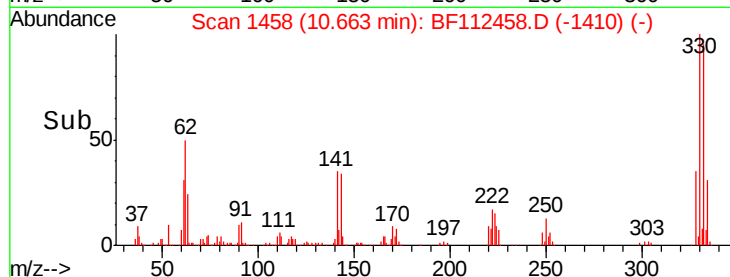
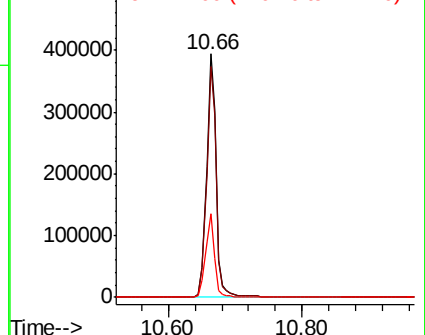
330 100

332 95.6 76.6 114.8

141 32.2 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: 83.856 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

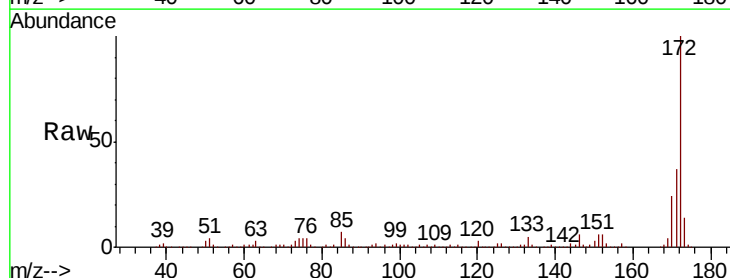
Tgt Ion:172 Resp: 1436632

Ion Ratio Lower Upper

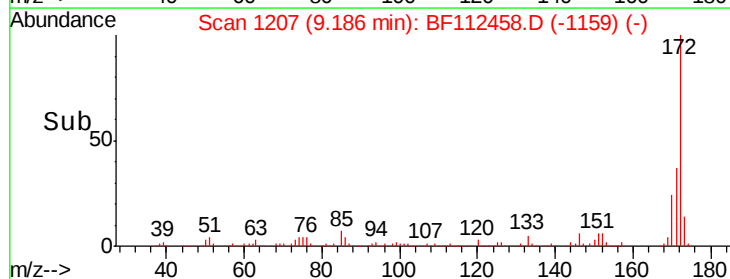
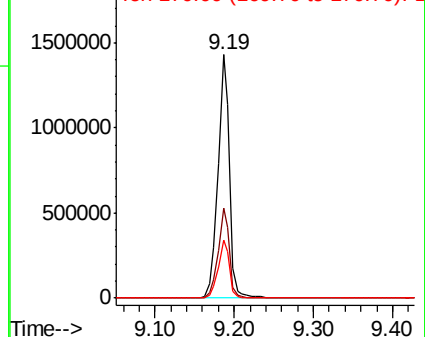
172 100

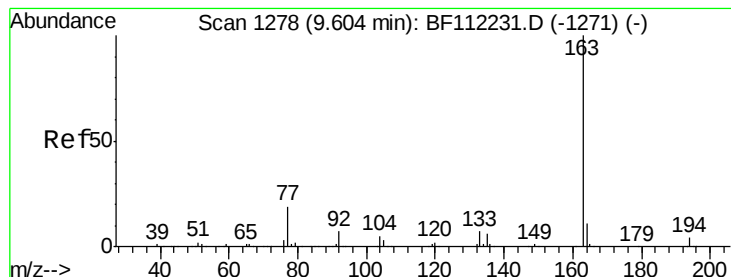
171 36.8 30.5 45.7

170 23.8 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





#50

Dimethylphthalate

Concen: 6.850 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Instrument :

BNA_F

ClientSampleId :

SB-08(14-17)

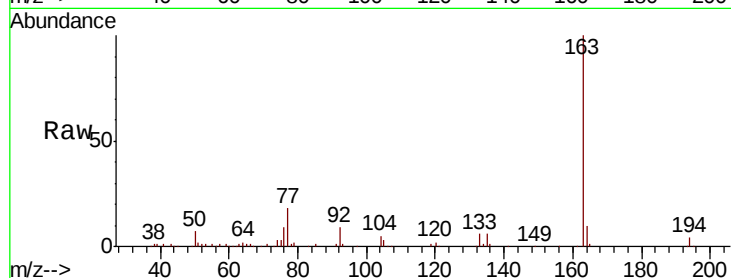
Tot Ion:163 Resp: 128951

Ion Ratio Lower Upper

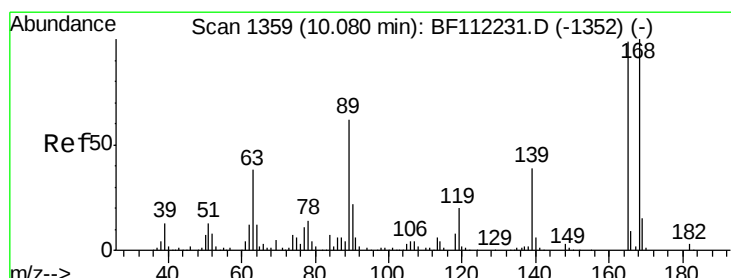
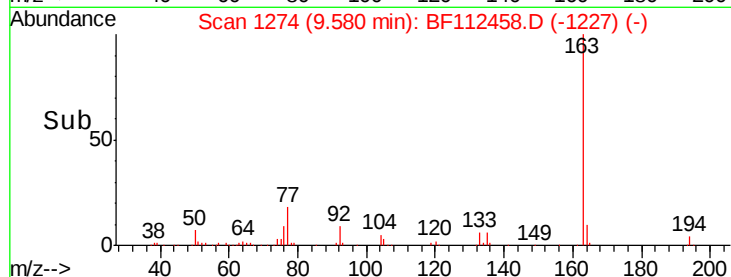
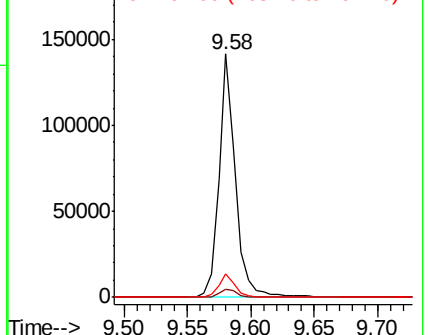
163 100

194 3.5 3.3 4.9

164 9.7 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.818 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112458.D

Acq: 8 Feb 2019 14:37

Tgt Ion:165 Resp: 31231

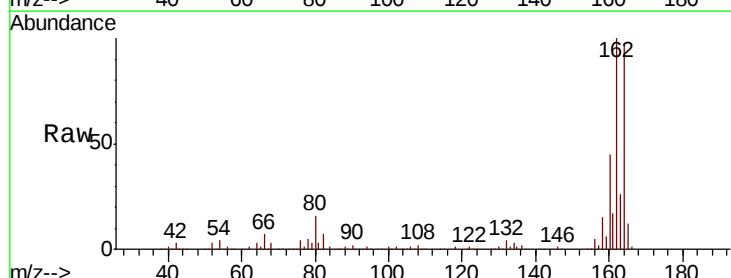
Ion Ratio Lower Upper

165 100

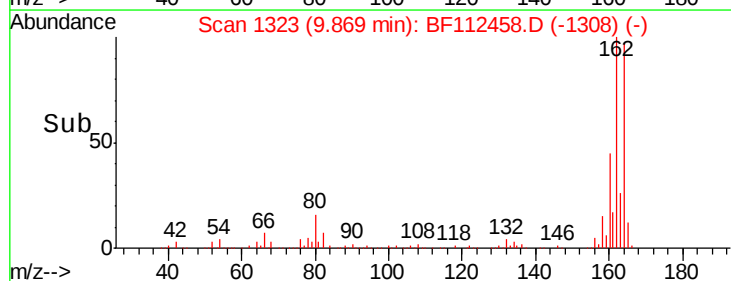
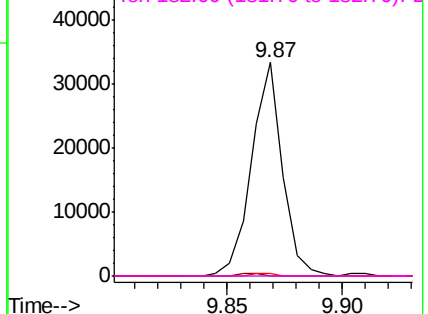
63 0.0 27.9 41.9#

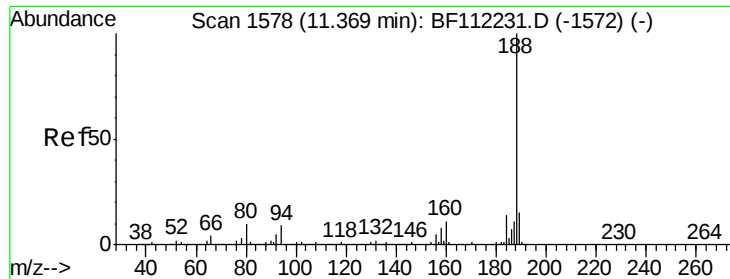
89 1.3 47.9 71.9#

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

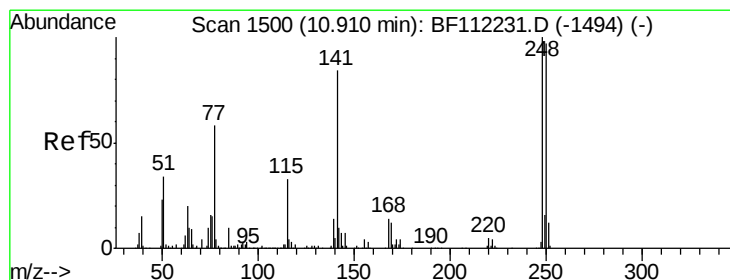
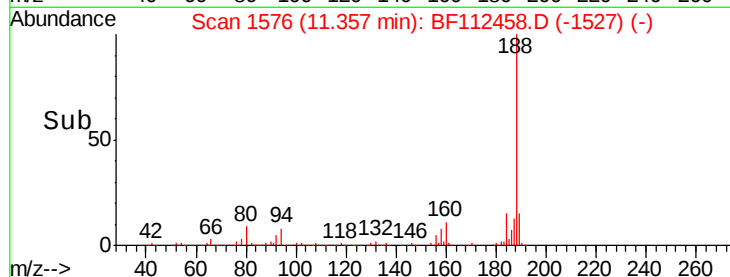
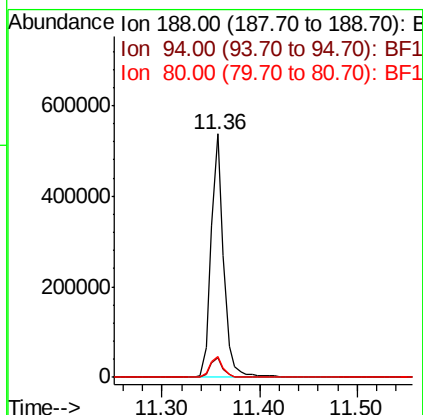
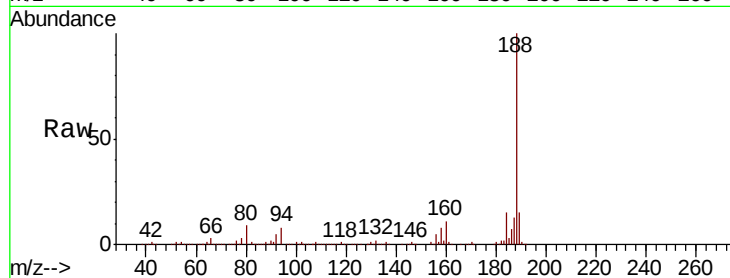




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112458.D
Acq: 8 Feb 2019 14:37

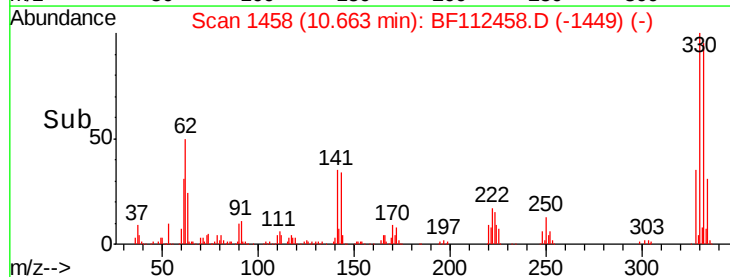
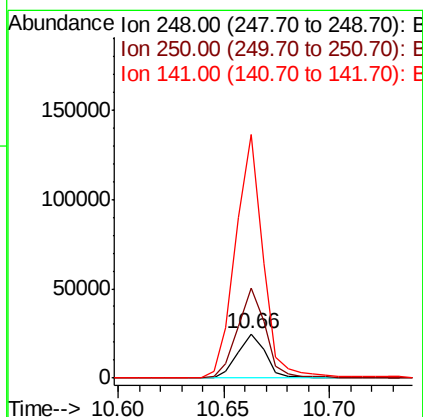
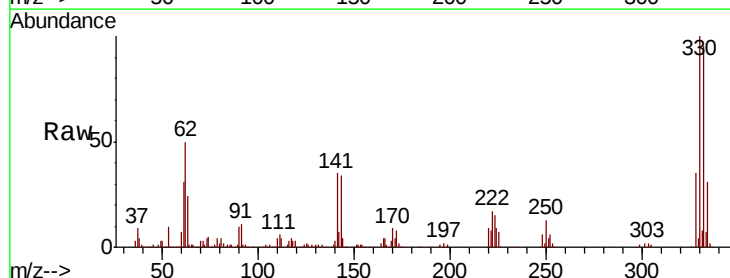
Instrument :
BNA_F
ClientSampleId :
SB-08(14-17)

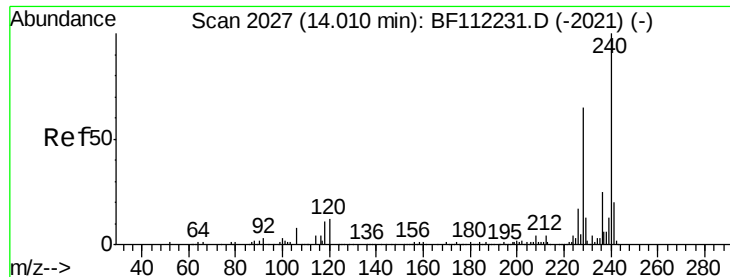
Tot Ion:188 Resp: 476872
Ion Ratio Lower Upper
188 100
94 8.0 8.2 12.2#
80 8.8 8.9 13.3#



#67
4-Bromophenyl-phenylether
Concen: 4.120 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112458.D
Acq: 8 Feb 2019 14:37

Tgt Ion:248 Resp: 23110
Ion Ratio Lower Upper
248 100
250 202.6 79.7 119.5#
141 548.7 60.3 90.5#

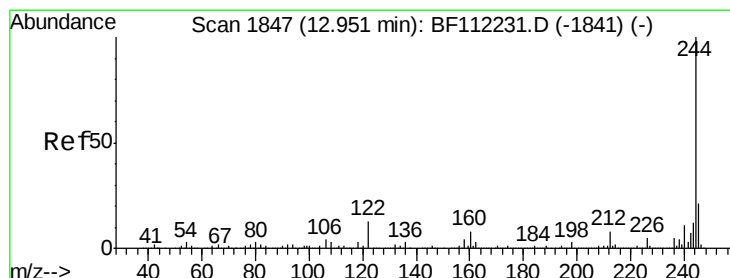
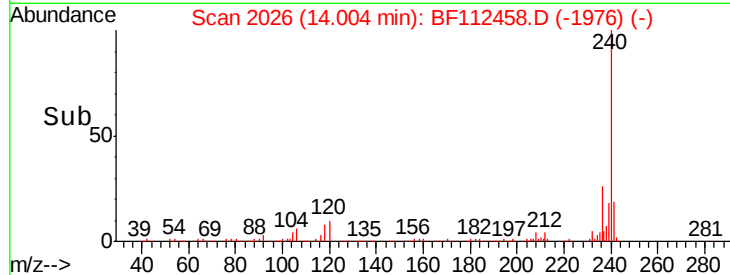
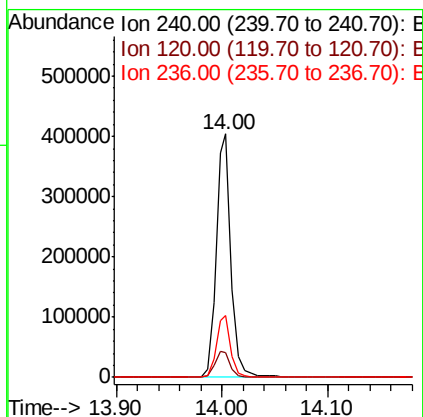
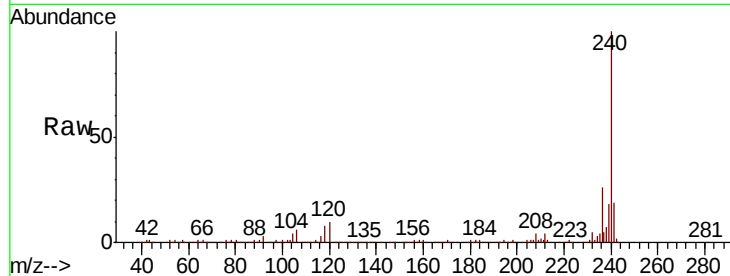




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112458.D
 Acq: 8 Feb 2019 14:37

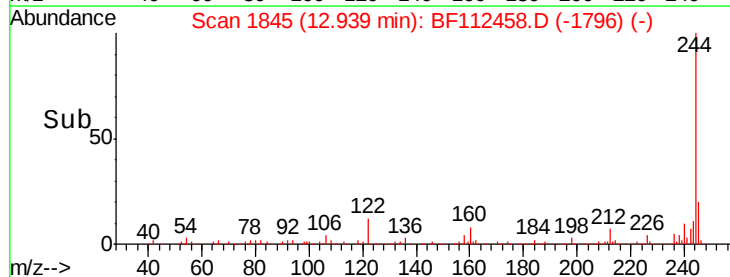
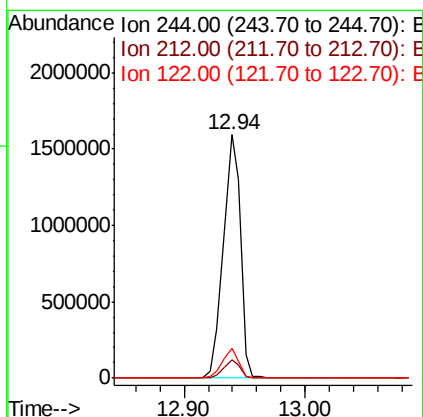
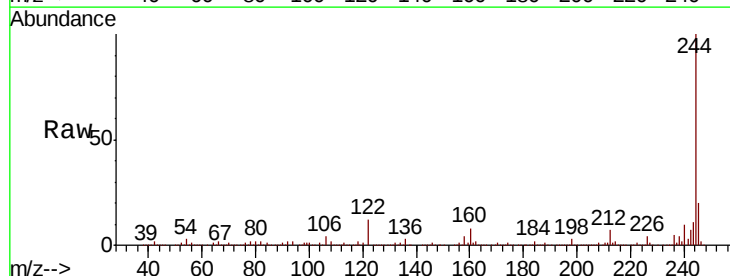
Instrument :
 BNA_F
 ClientSampleId :
 SB-08(14-17)

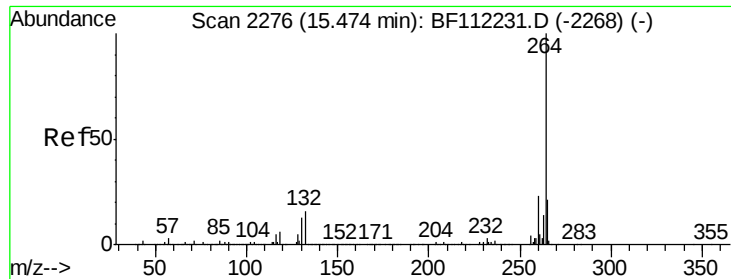
Tot Ion:240 Resp: 398624
 Ion Ratio Lower Upper
 240 100
 120 10.0 9.0 13.6
 236 25.6 20.7 31.1



#79
 Terphenyl-d14
 Concen: 73.648 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112458.D
 Acq: 8 Feb 2019 14:37

Tgt Ion:244 Resp: 1558734
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 12.2 9.8 14.6





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112458.D
Acq: 8 Feb 2019 14:37

Instrument :
BNA_F
ClientSampleId :
SB-08(14-17)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.2	27.2
265	21.3	17.0	25.4

