

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020719\
 Data File : BF112440.D
 Acq On : 7 Feb 2019 16:12
 Operator : JU/SJ
 Sample : K1401-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200050

Quant Time: Feb 09 03:13:10 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

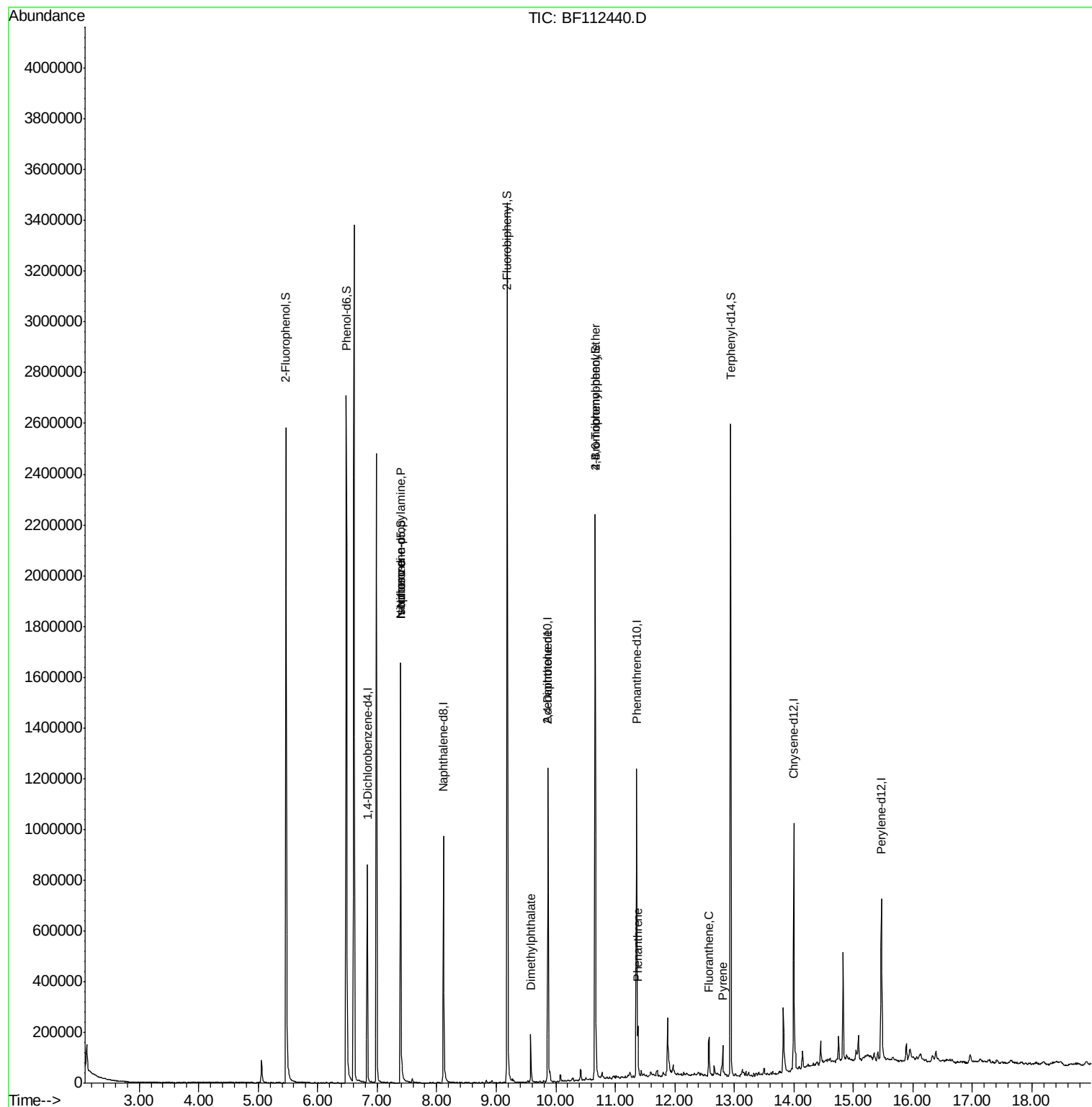
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	133375	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	524273	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	244688	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	438905	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318668	20.00	ng	-0.01
87) Perylene-d12	15.47	264	299319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	768560	122.40	ng	-0.01
7) Phenol-d6	6.48	99	976608	111.93	ng	-0.01
23) Nitrobenzene-d5	7.39	82	607957	66.82	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	274401	96.35	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1086764	62.82	ng	-0.02
79) Terphenyl-d14	12.94	244	898002	53.08	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	81781	13.593	ng	# 77
25) Isophorone	7.39	82	607953	42.591	ng	# 63
50) Dimethylphthalate	9.58	163	83491	4.392	ng	100
57) 2,4-Dinitrotoluene	9.87	165	32032	5.910	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17377	3.366	ng	# 1
71) Phenanthrene	11.38	178	65963	2.891	ng	97
75) Fluoranthene	12.57	202	60267	2.463	ng	96
78) Pyrene	12.80	202	49181	2.229	ng	99

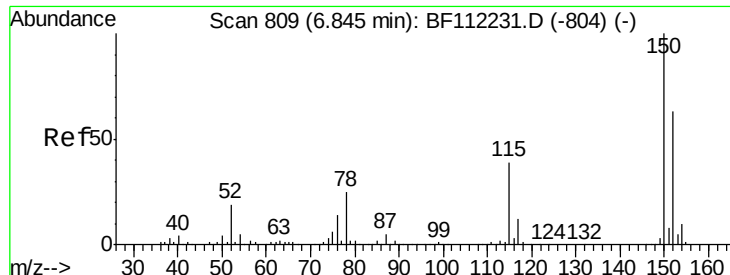
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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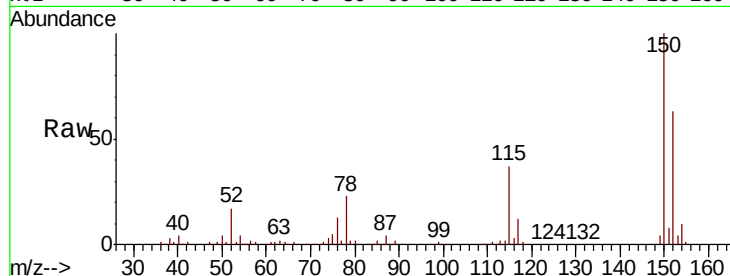


#1

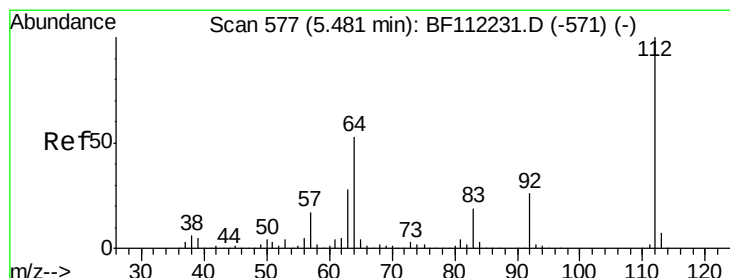
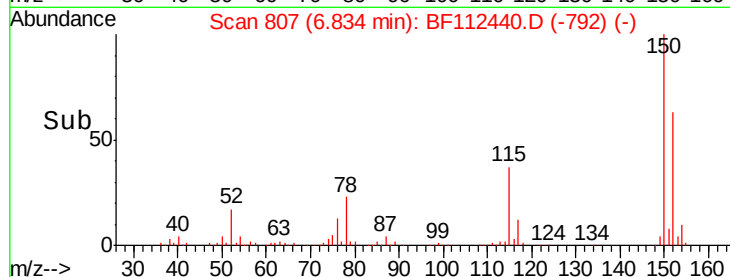
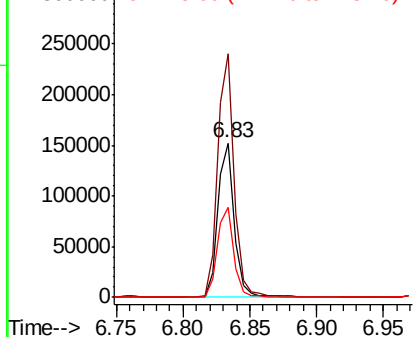
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112440.D
Acq: 7 Feb 2019 16:12

Instrument :
BNA_F
ClientSampleId :
RBR-200050

Tot Ion:152 Resp: 133375
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 58.7 45.5 68.3



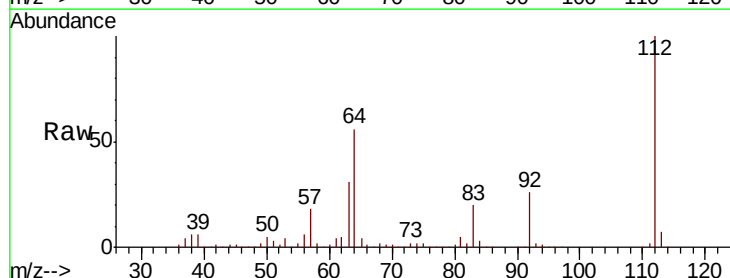
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



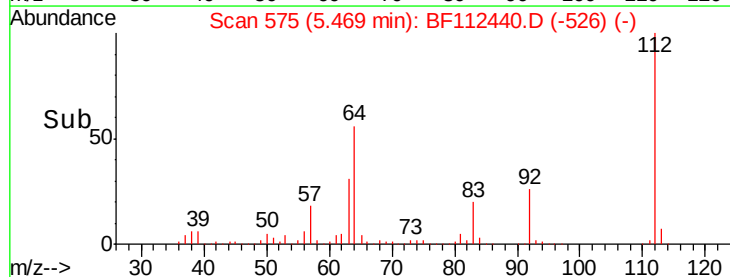
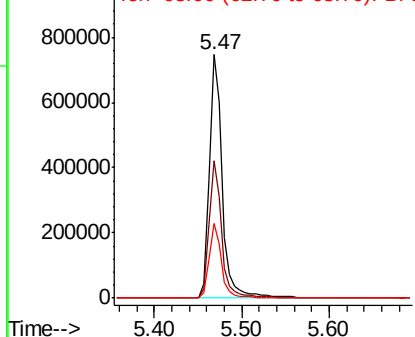
#5

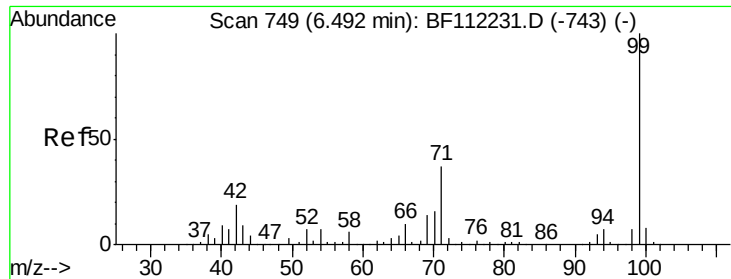
2-Fluorophenol
Concen: 122.397 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112440.D
Acq: 7 Feb 2019 16:12

Tgt Ion:112 Resp: 768560
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 30.5 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: 111.928 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

BNA_F

ClientSampleId :

RBR-200050

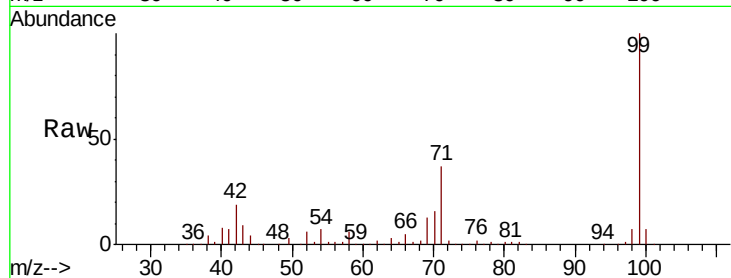
Tot Ion: 99 Resp: 976608

Ion Ratio Lower Upper

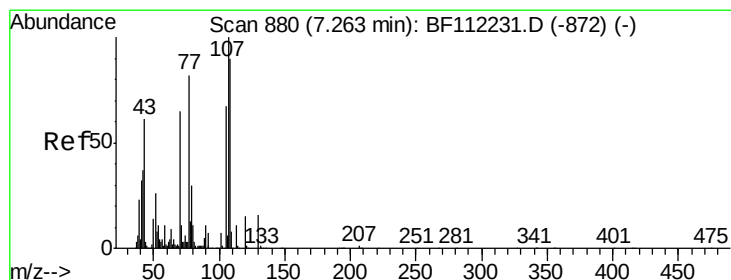
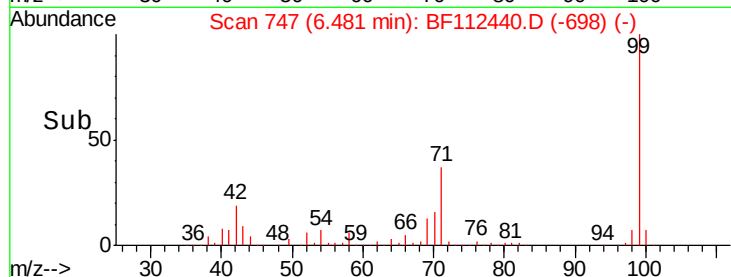
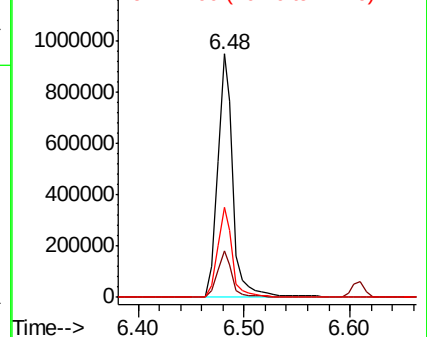
99 100

42 19.3 15.1 22.7

71 36.8 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: 13.593 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Tgt Ion: 70 Resp: 81781

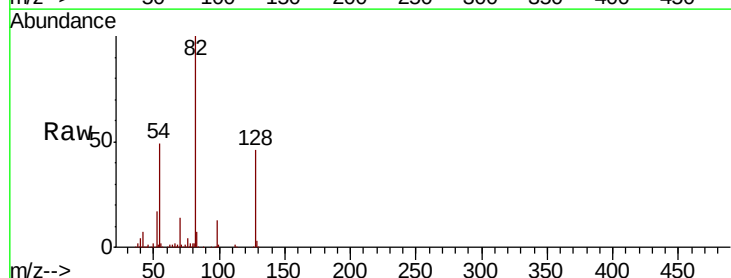
Ion Ratio Lower Upper

70 100

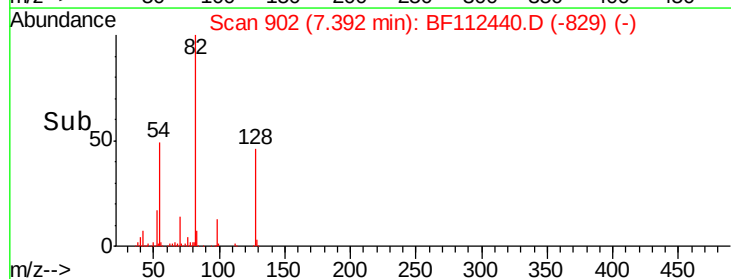
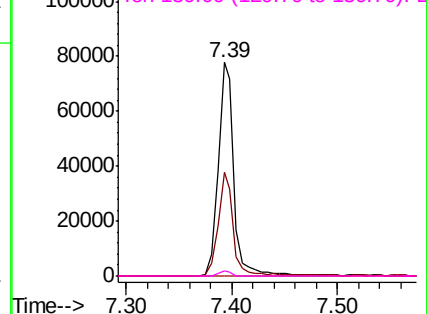
42 48.7 47.6 71.4

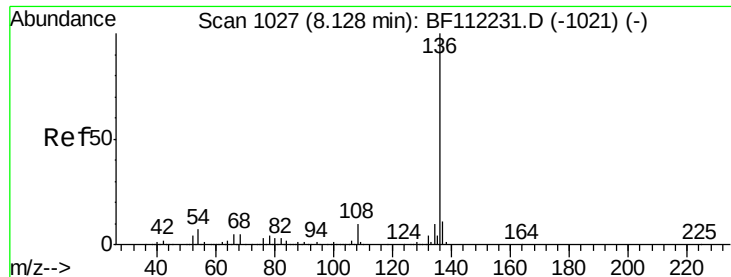
101 0.0 7.9 11.9#

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

BNA_F

ClientSampleId :

RBR-200050

Tot Ion:136 Resp: 524273

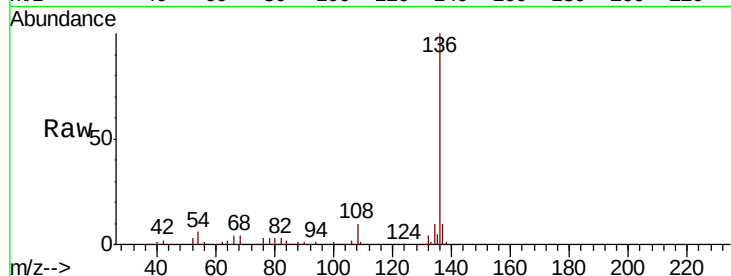
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.8 5.9 8.9#

68 4.4 5.1 7.7#

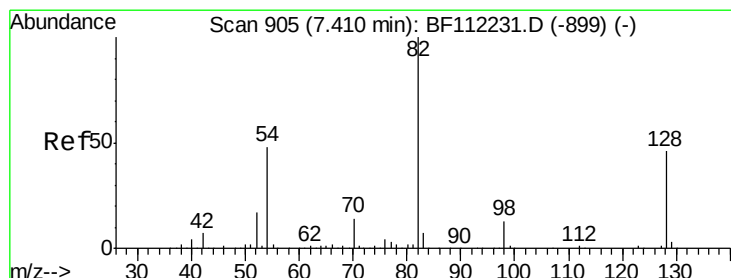
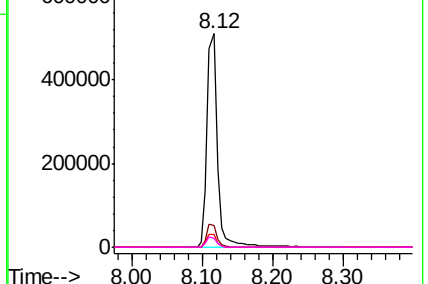
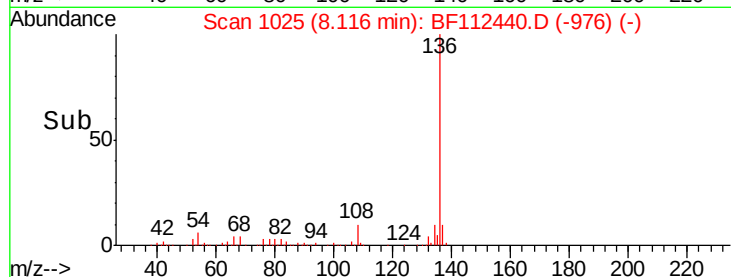


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 66.817 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

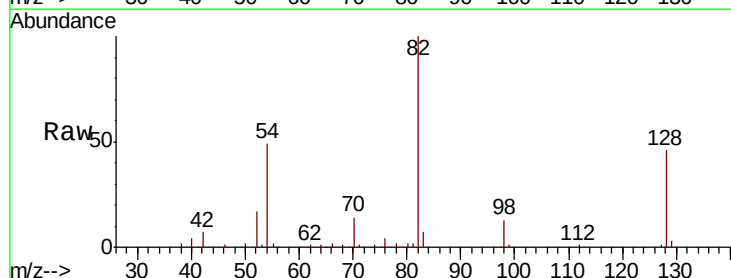
Tgt Ion: 82 Resp: 607957

Ion Ratio Lower Upper

82 100

128 45.8 37.8 56.8

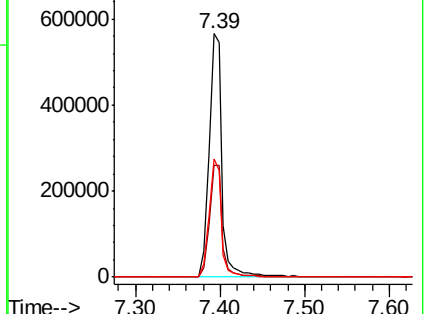
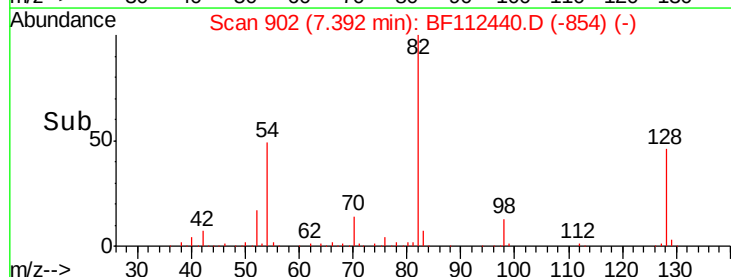
54 48.7 39.7 59.5

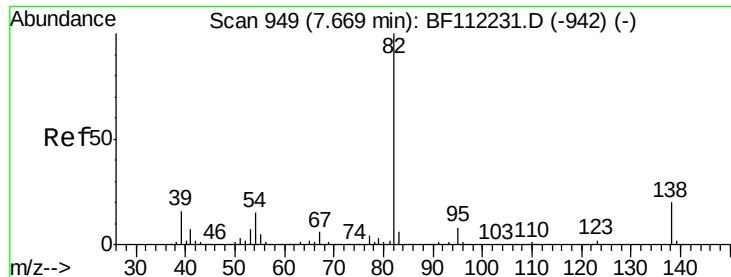


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.591 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

BNA_F

ClientSampled :

RBR-200050

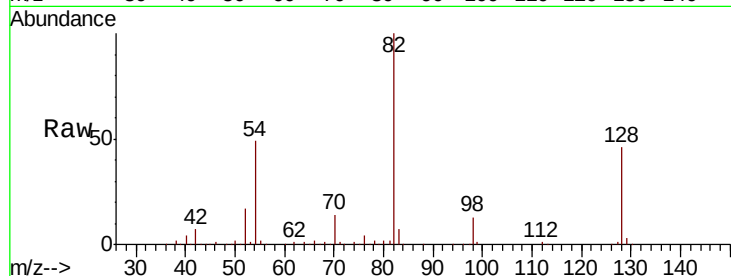
Tot Ion: 82 Resp: 607953

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

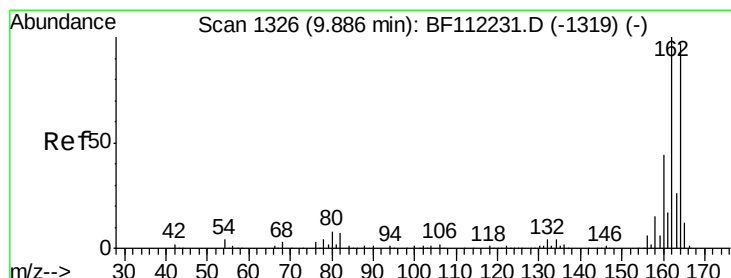
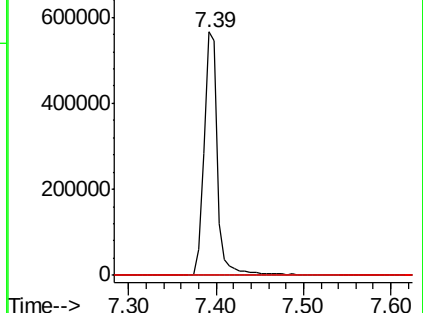
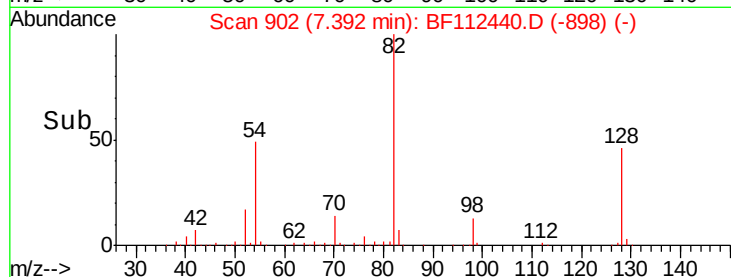
138 0.0 15.4 23.0#



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: BF112440.D

Acq: 7 Feb 2019 16:12

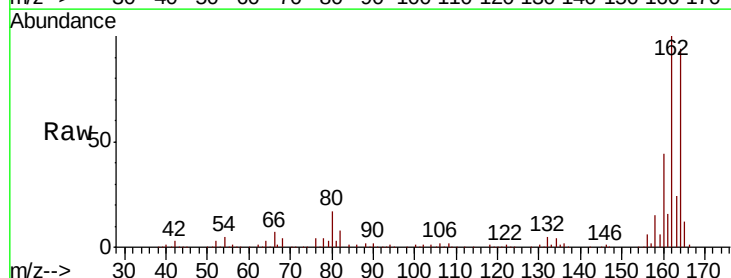
Tgt Ion: 164 Resp: 244688

Ion Ratio Lower Upper

164 100

162 106.0 82.2 123.4

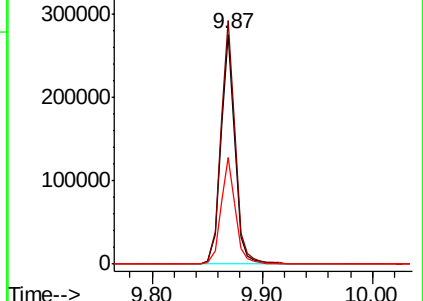
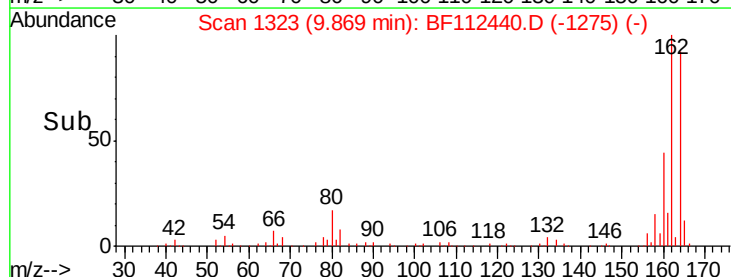
160 46.3 36.2 54.4

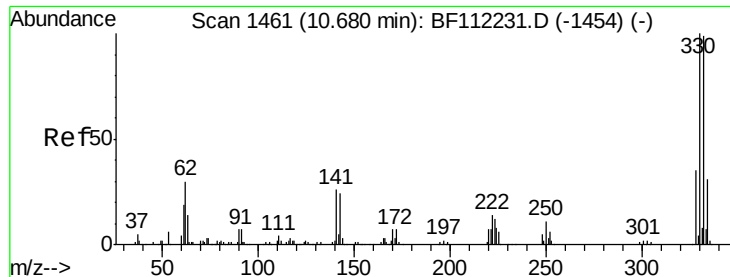


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 96.345 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

BNA_F

ClientSampleId :

RBR-200050

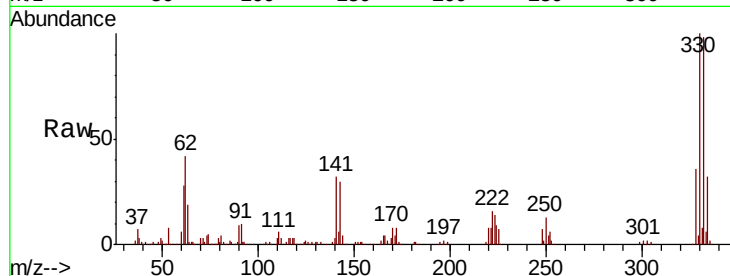
Tot Ion:330 Resp: 274401

Ion Ratio Lower Upper

330 100

332 97.4 76.6 114.8

141 32.4 24.3 36.5

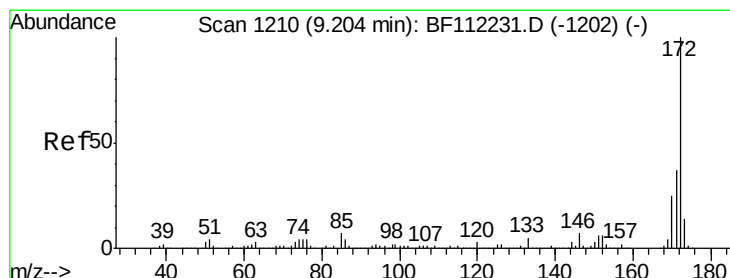
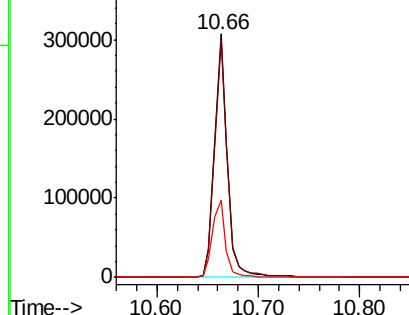
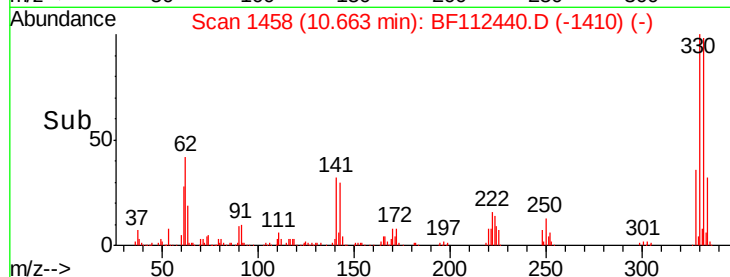


Abundance

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: 62.817 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

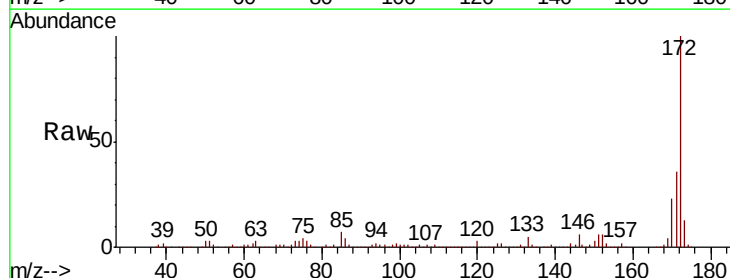
Tgt Ion:172 Resp: 1086764

Ion Ratio Lower Upper

172 100

171 36.1 30.5 45.7

170 23.5 20.2 30.4

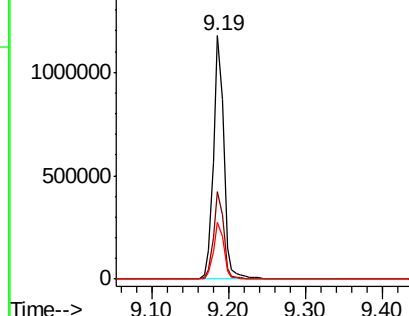
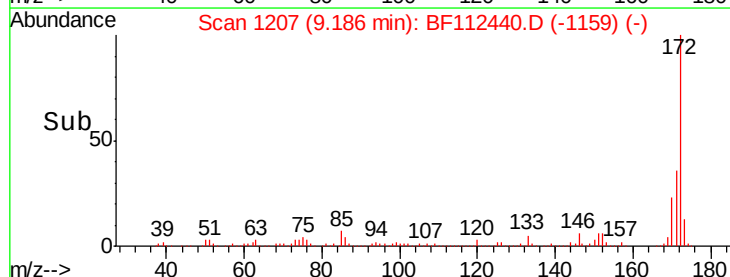


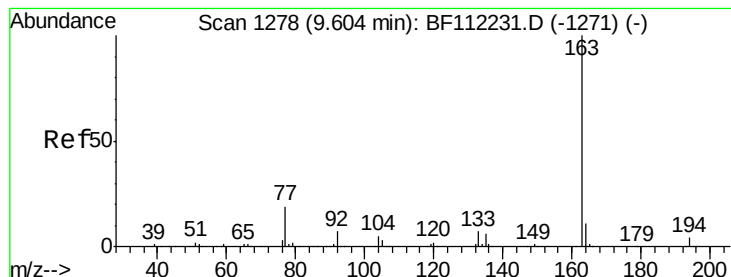
Abundance

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: 4.392 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

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ClientSampleId :

RBR-200050

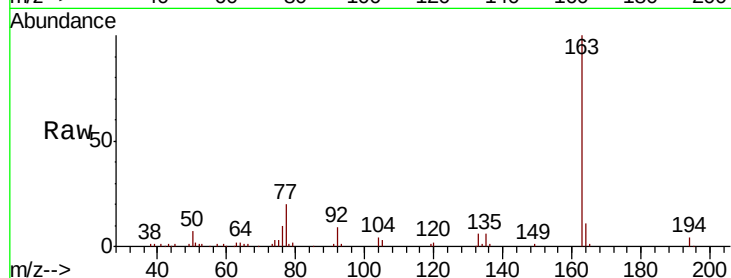
Tot Ion:163 Resp: 83491

Ion Ratio Lower Upper

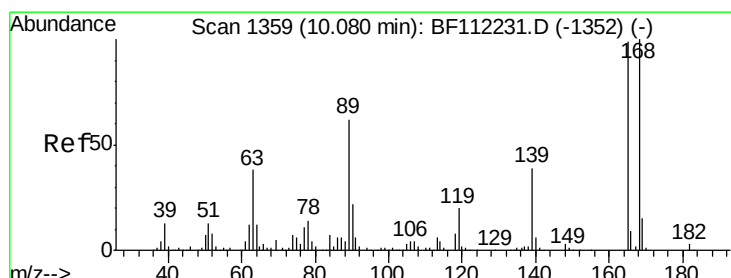
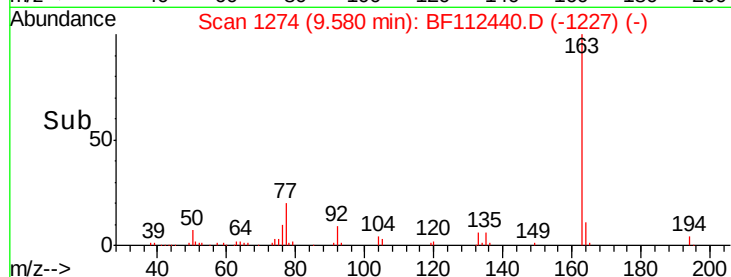
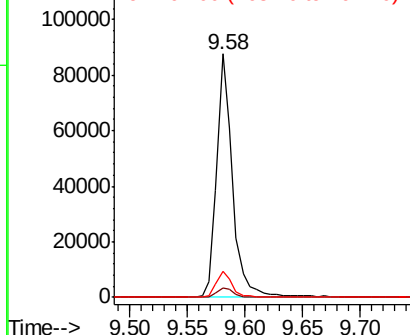
163 100

194 4.1 3.3 4.9

164 10.6 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: 5.910 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Tgt Ion:165 Resp: 32032

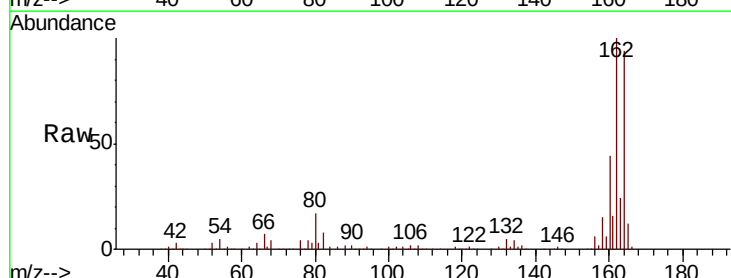
Ion Ratio Lower Upper

165 100

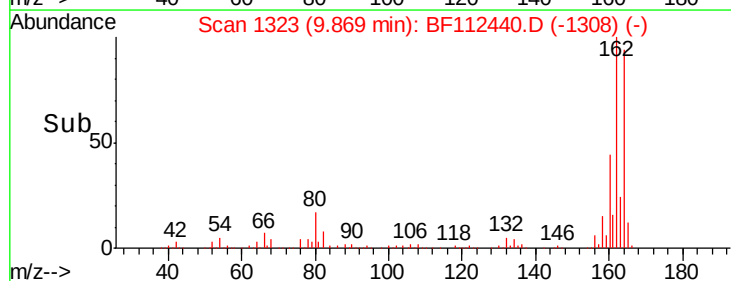
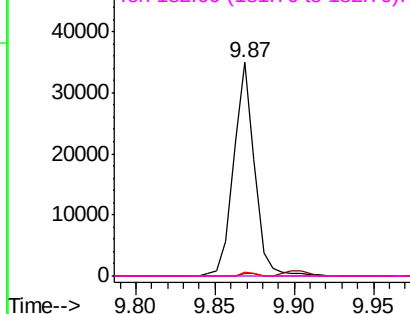
63 1.1 27.9 41.9#

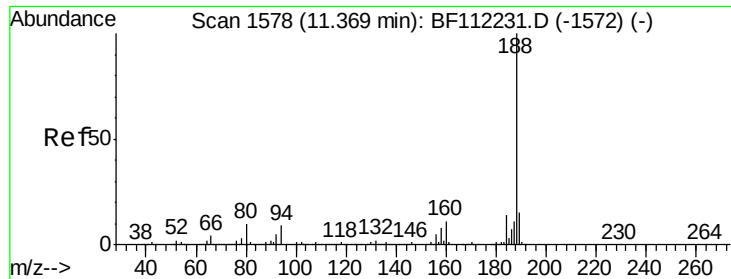
89 2.0 47.9 71.9#

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

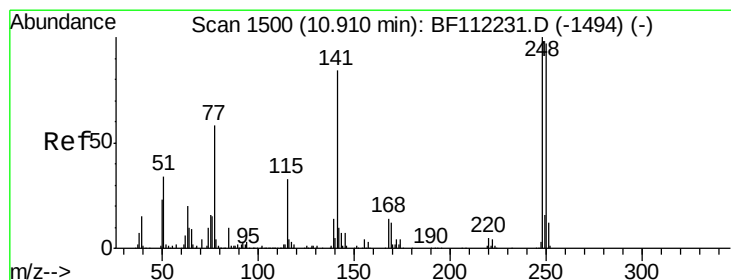
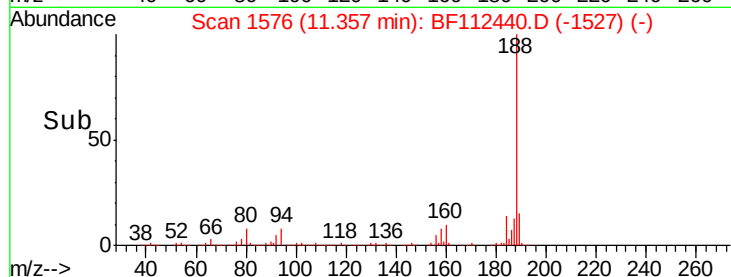
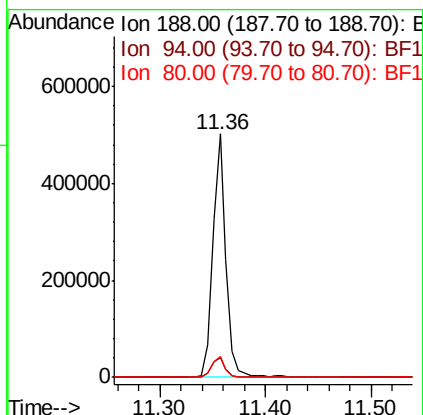
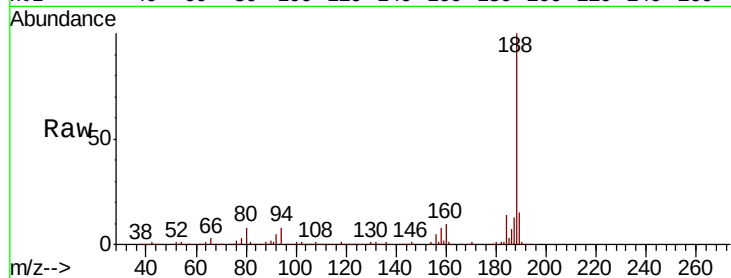




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112440.D
 Acq: 7 Feb 2019 16:12

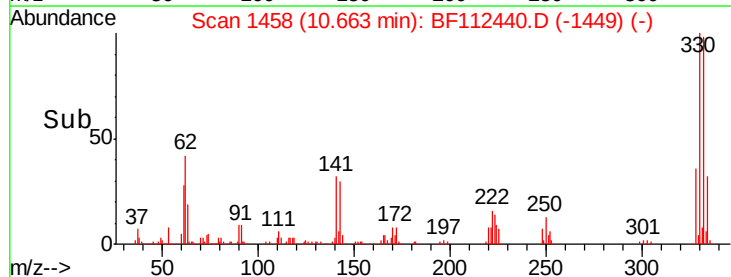
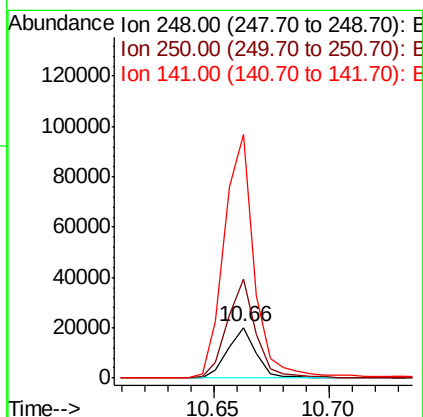
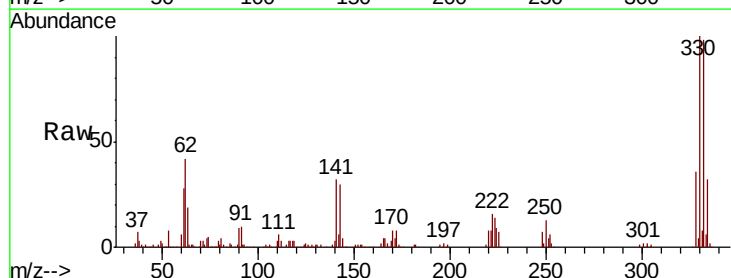
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200050

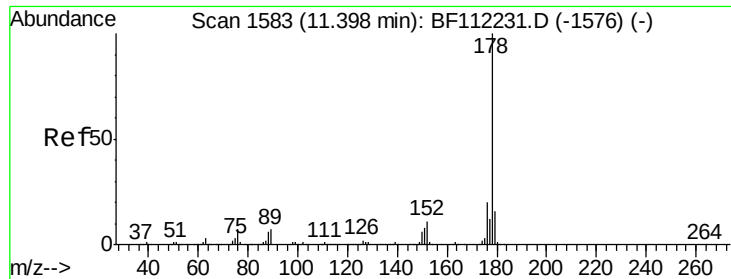
Tot Ion:188 Resp: 438905
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.2 12.2#
 80 8.5 8.9 13.3#



#67
 4-Bromophenyl-phenylether
 Concen: 3.366 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112440.D
 Acq: 7 Feb 2019 16:12

Tgt Ion:248 Resp: 17377
 Ion Ratio Lower Upper
 248 100
 250 194.3 79.7 119.5#
 141 479.9 60.3 90.5#





#71

Phenanthrene

Concen: 2.891 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

Instrument :

BNA_F

ClientSampleId :

RBR-200050

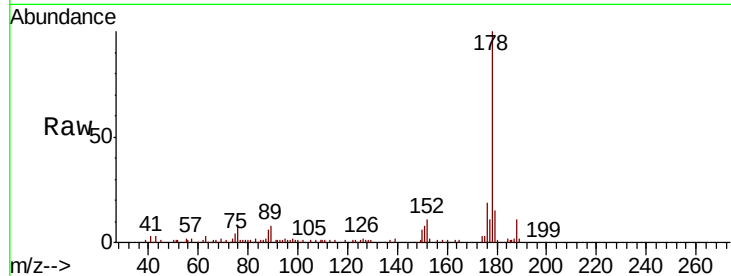
Tot Ion:178 Resp: 65963

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

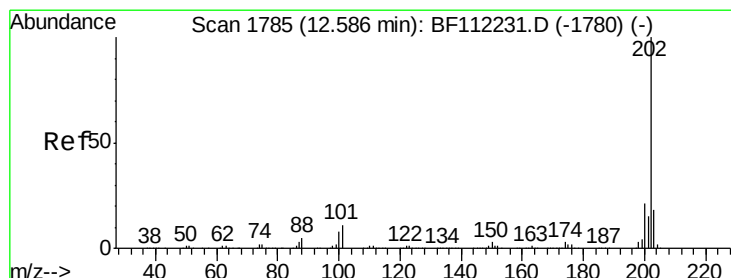
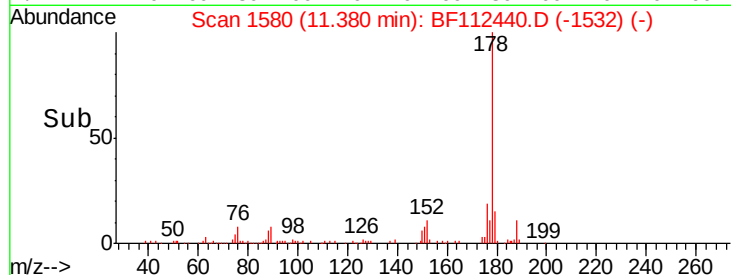
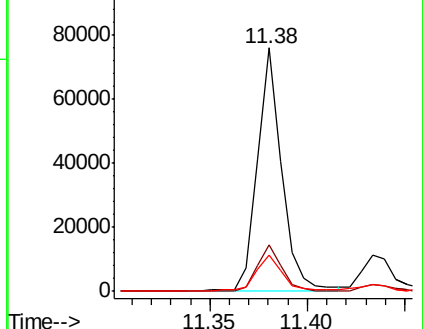
179 15.0 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 2.463 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112440.D

Acq: 7 Feb 2019 16:12

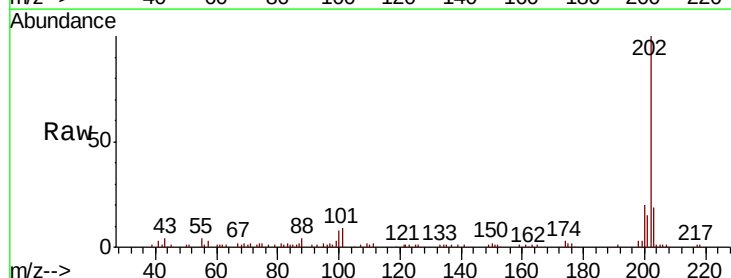
Tgt Ion:202 Resp: 60267

Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.8

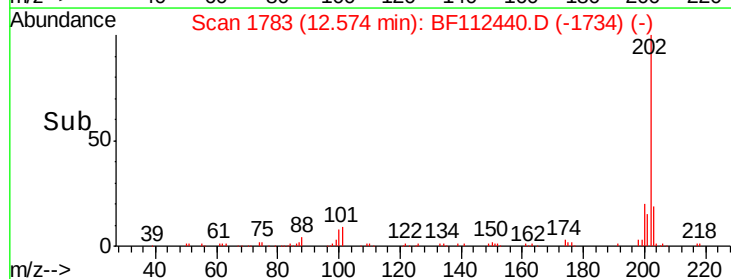
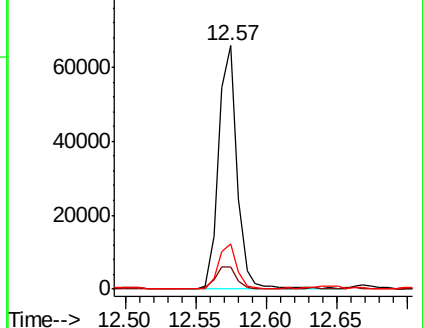
203 18.8 0.0 38.4

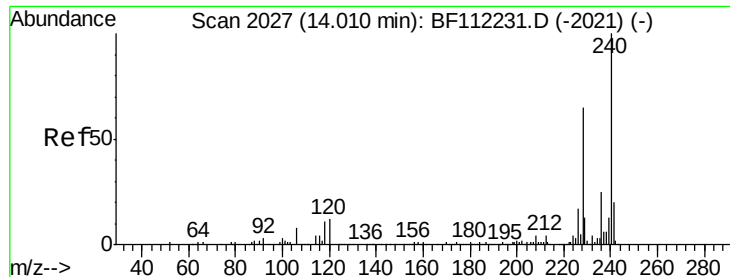


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

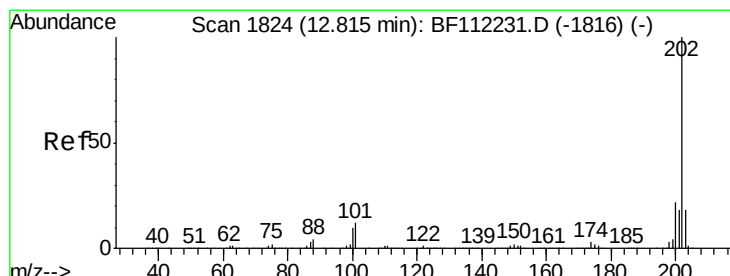
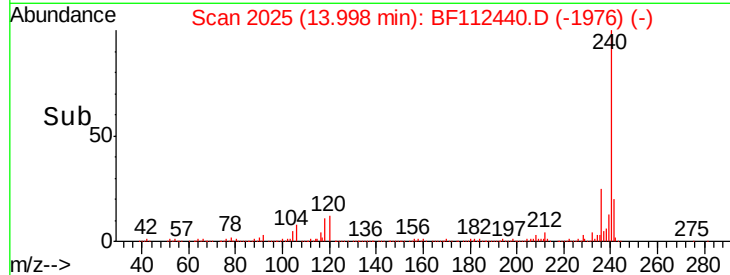
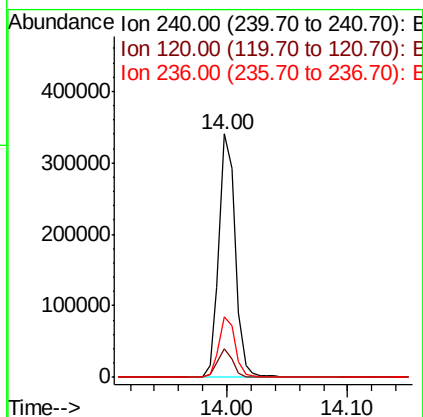
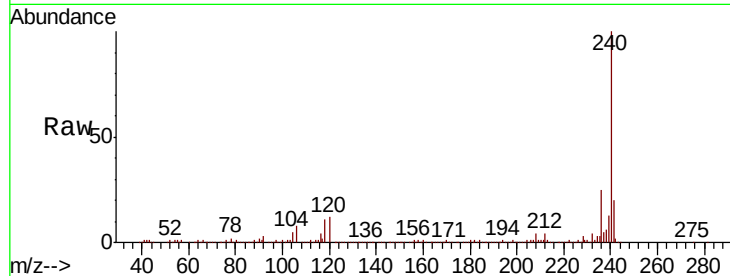




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112440.D
Acq: 7 Feb 2019 16:12

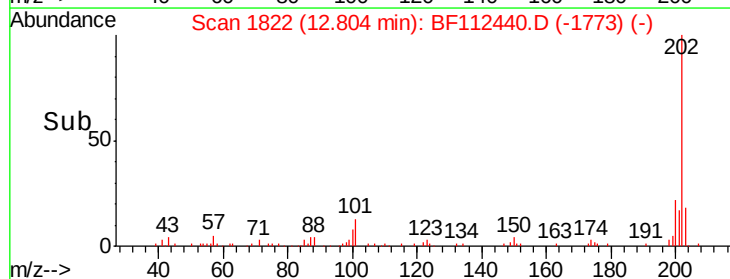
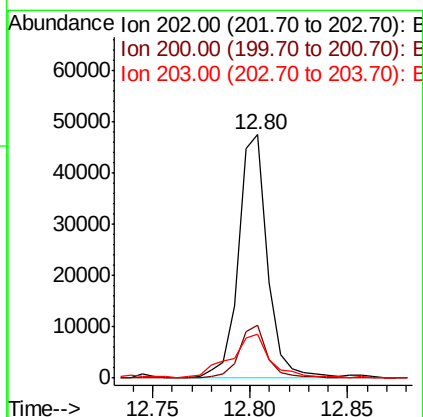
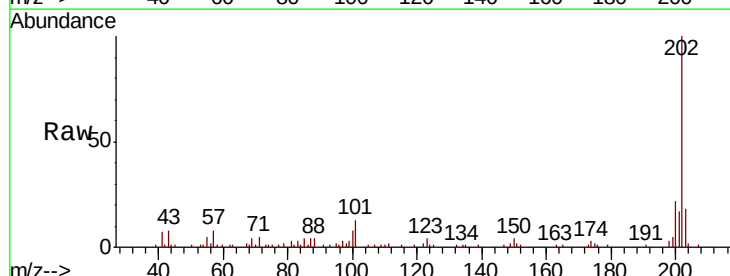
Instrument :
BNA_F
ClientSampleId :
RBR-200050

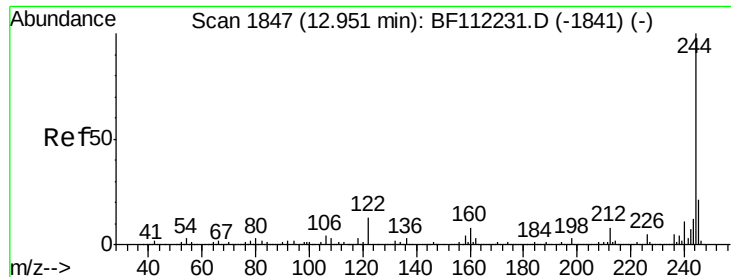
Tot Ion:240 Resp: 318668
Ion Ratio Lower Upper
240 100
120 11.6 9.0 13.6
236 24.7 20.7 31.1



#78
Pyrene
Concen: 2.229 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112440.D
Acq: 7 Feb 2019 16:12

Tgt Ion:202 Resp: 49181
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 18.2 14.6 22.0

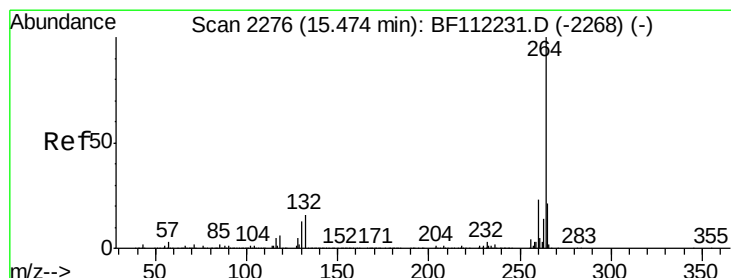
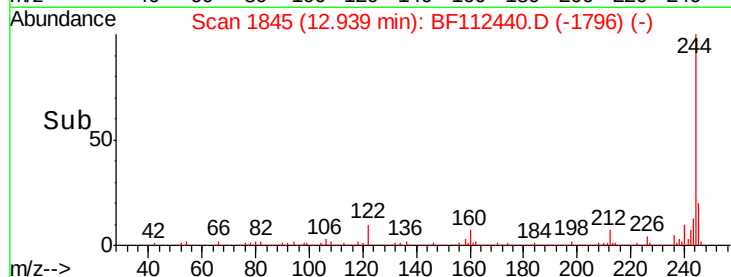
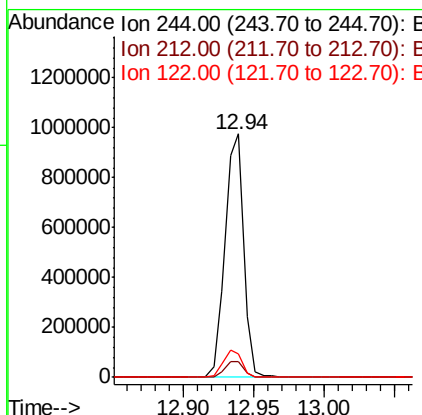
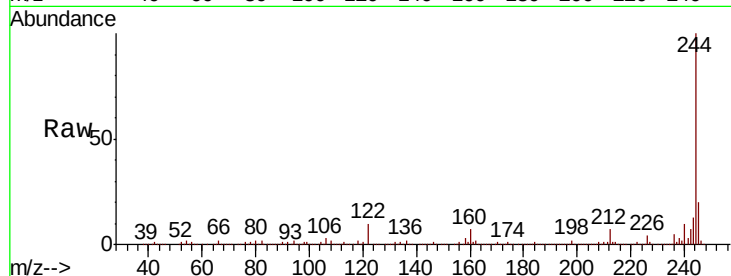




#79
 Terphenyl-d14
 Concen: 53.075 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112440.D
 Acq: 7 Feb 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200050

Tot Ion:244 Resp: 898002
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 9.8 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: BF112440.D
 Acq: 7 Feb 2019 16:12

Tgt Ion:264 Resp: 299319
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.2 27.2
 265 20.7 17.0 25.4

