

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116034.D
 Acq On : 7 Aug 2019 00:42
 Operator : HP/JU
 Sample : K4162-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Quant Time: Aug 07 06:38:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	118444	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	463108	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	241106	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	409064	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	293380	20.00	ng	-0.02
87) Perylene-d12	15.46	264	352353	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	703213	99.39	ng	0.00
7) Phenol-d6	6.47	99	947508	106.14	ng	-0.01
23) Nitrobenzene-d5	7.40	82	585386	72.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	140231	59.99	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1007990	78.31	ng	-0.02
79) Terphenyl-d14	12.94	244	972627	69.86	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.62	93	1044	0.082	ng	# 1
9) Benzaldehyde	6.47	77	1233	0.200	ng	# 1
10) Phenol	6.49	94	4339	0.413	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1044	0.135	ng	# 1
15) Benzyl Alcohol	7.00	79	9636	1.422	ng	# 41
24) Nitrobenzene	7.40	77	1777	0.205	ng	# 32
38) 1-Methylnaphthalene	9.19	142	367	0.027	ng	# 43
46) 1,1'-Biphenyl	9.30	154	1446	0.085	ng	# 92
47) 2-Chloronaphthalene	9.59	162	861	0.061	ng	# 1
48) 2-Nitroaniline	9.59	65	1543	0.330	ng	# 1
50) Dimethylphthalate	9.59	163	184089	11.214	ng	# 98
51) 2,6-Dinitrotoluene	9.59	165	1870	0.524	ng	# 1
52) Acenaphthene	9.87	154	834	0.066	ng	# 5
58) Fluorene	10.66	166	5706	0.402	ng	# 89
60) Diethylphthalate	10.29	149	616	0.040	ng	# 58
63) Azobenzene	10.66	77	708	0.045	ng	# 7
65) 4,6-Dinitro-2-methylphenol	10.66	198	127	0.059	ng	# 1
66) n-Nitrosodiphenylamine	10.66	169	3975	0.323	ng	# 41
67) 4-Bromophenyl-phenylether	10.66	248	8468	1.934	ng	# 1
71) Phenanthrene	11.39	178	1624	0.078	ng	# 59
72) Anthracene	11.44	178	273	0.013	ng	# 60
74) Di-n-butylphthalate	11.92	149	1764	0.079	ng	# 77
75) Fluoranthene	12.58	202	2400	0.110	ng	# 87
77) Benidine	12.94	184	12918	1.303	ng	# 95
78) Pyrene	12.81	202	2285	0.103	ng	# 95
81) Benzo(a)anthracene	13.99	228	2024	0.108	ng	# 91
83) Chrysene	14.03	228	1104	0.061	ng	# 92
84) Bis(2-ethylhexyl)phthalate	13.97	149	1262	0.104	ng	# 97
85) Di-n-octyl phthalate	14.59	149	1005	0.052	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.96	276	563	0.037	ng	# 50
89) Benzo(k)fluoranthene	15.04	252	2568	0.129	ng	# 89
90) Benzo(a)pyrene	15.41	252	974	0.053	ng	# 45
92) Benzo(a,h,i)perylene	17.39	276	117	0.008	ng	# 52

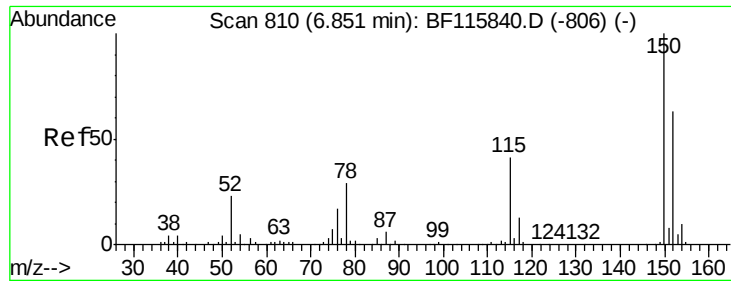
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116034.D
Acq On : 7 Aug 2019 00:42
Operator : HP/JU
Sample : K4162-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Aug 07 06:38:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

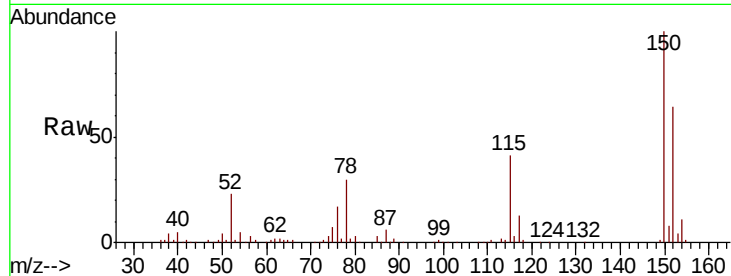


#1

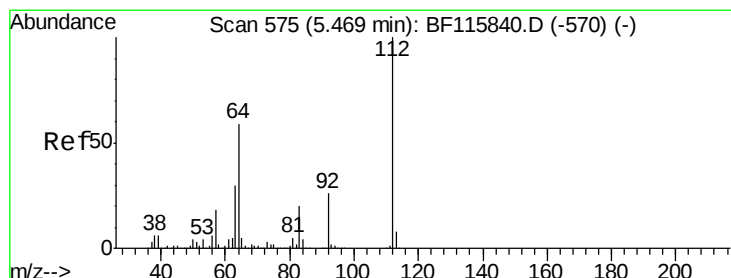
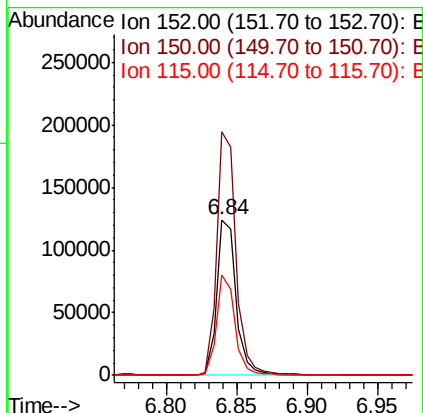
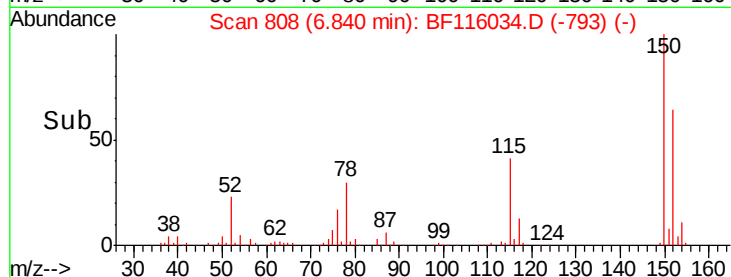
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Tot Ion:152 Resp: 118444
 Ion Ratio Lower Upper
 152 100
 150 156.8 127.4 191.0
 115 64.8 51.8 77.8



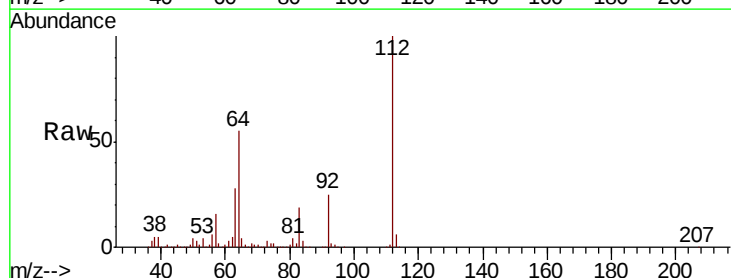
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



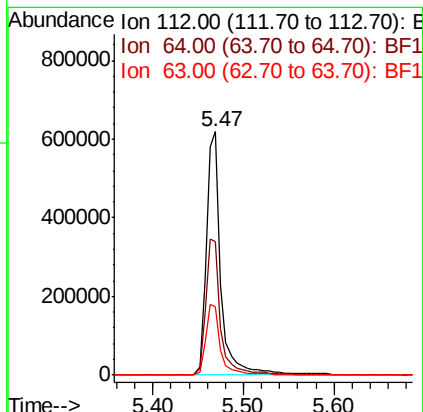
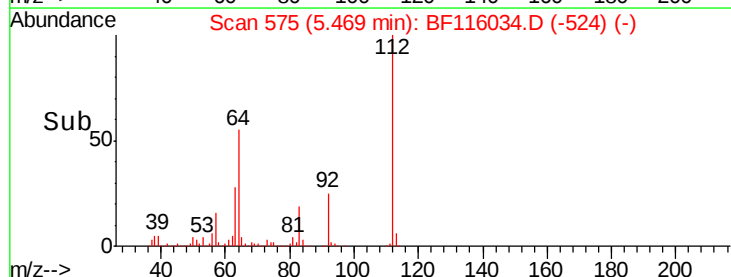
#5

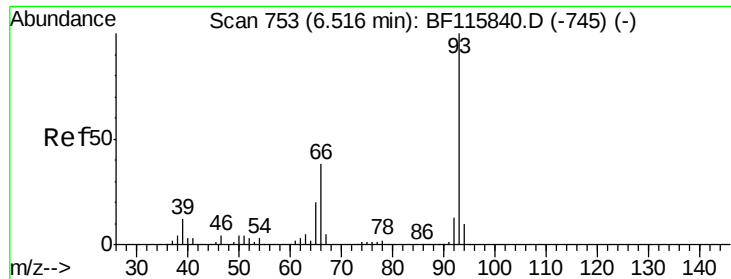
2-Fluorophenol
 Concen: 99.391 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Tgt Ion:112 Resp: 703213
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.8 70.2
 63 28.1 24.2 36.2



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





#6

Aniline

Concen: 0.082 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

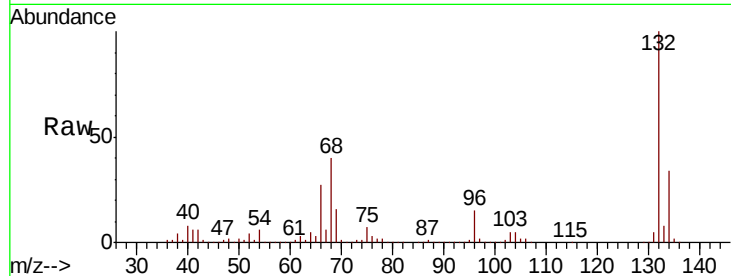
Tot Ion: 93 Resp: 1044

Ion Ratio Lower Upper

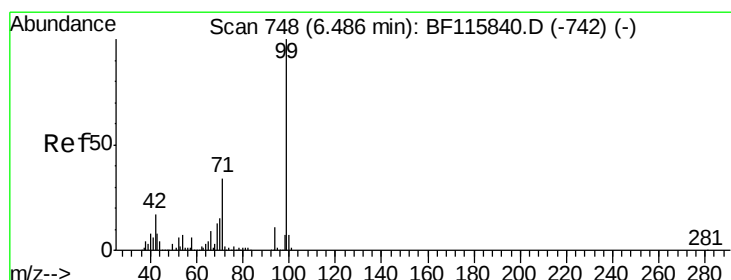
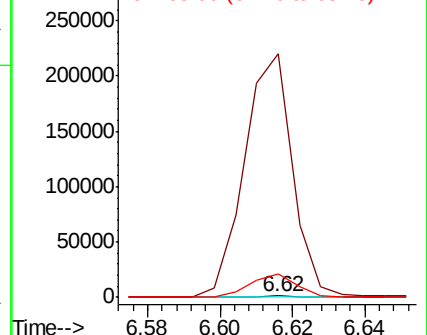
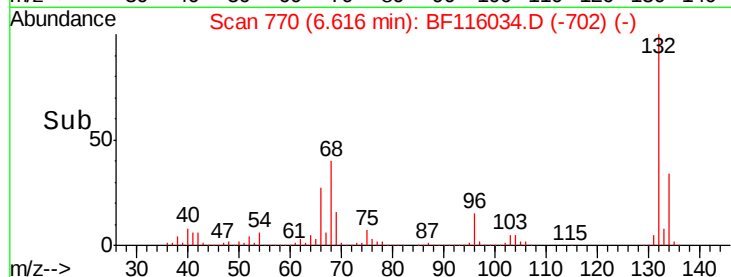
93 100

66 17393.8 31.4 47.0#

65 1717.6 16.5 24.7#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 106.143 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

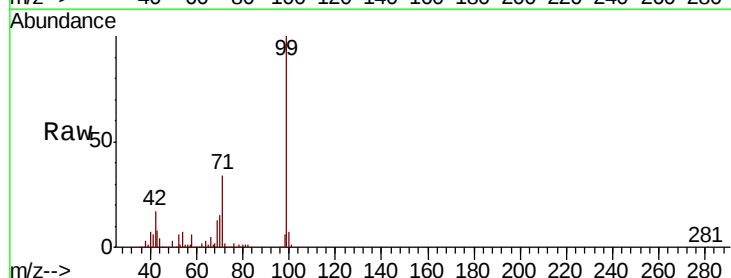
Tgt Ion: 99 Resp: 947508

Ion Ratio Lower Upper

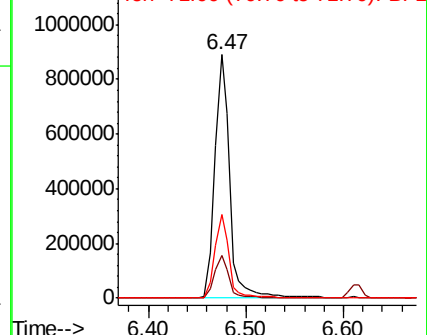
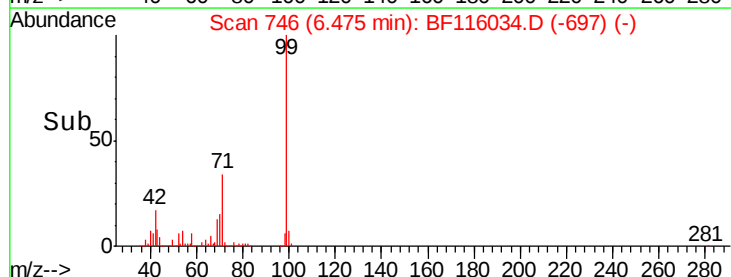
99 100

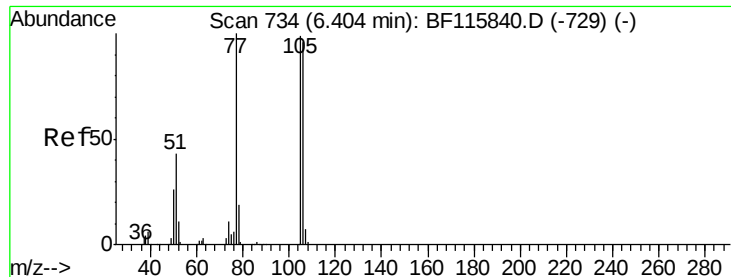
42 17.4 13.8 20.6

71 34.2 27.1 40.7



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: 0.200 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.07 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

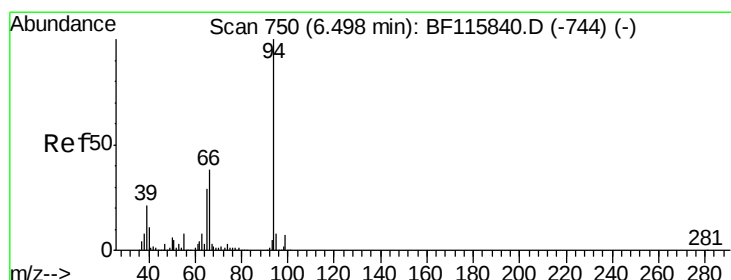
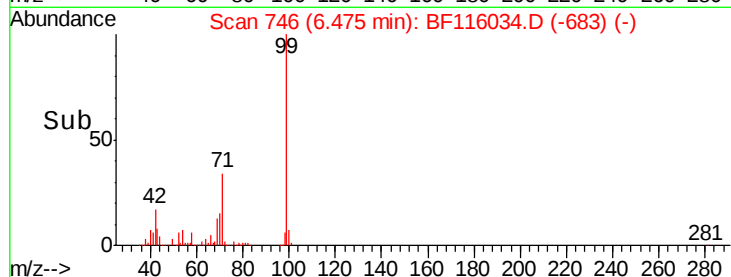
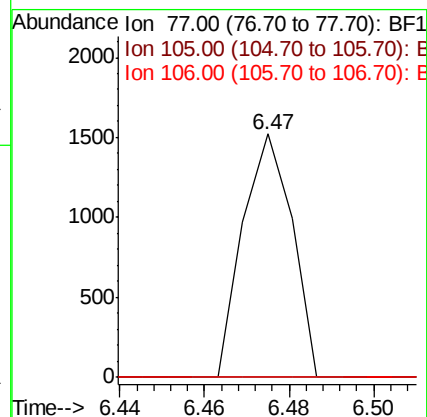
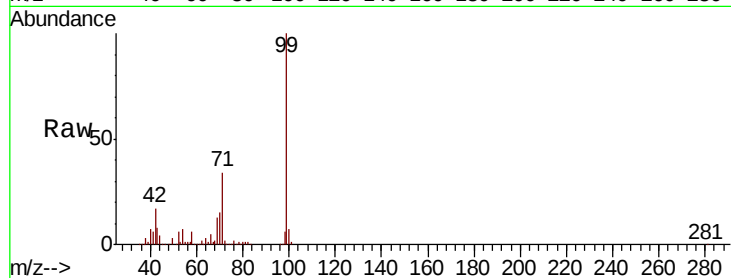
Tot Ion: 77 Resp: 1233

Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

106 0.0 76.2 116.2#



#10

Phenol

Concen: 0.413 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

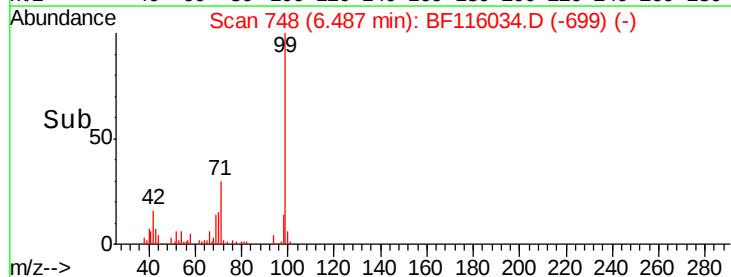
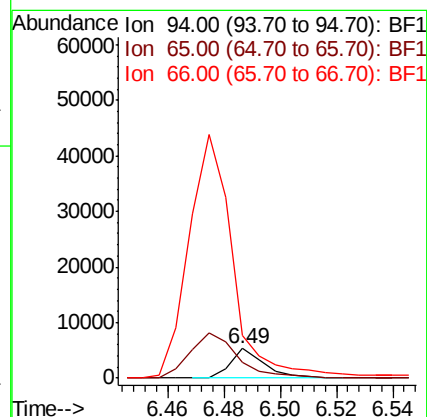
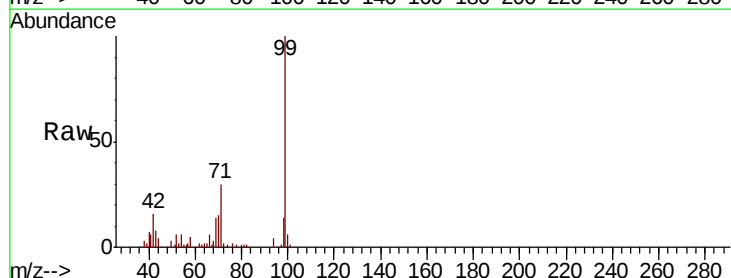
Tgt Ion: 94 Resp: 4339

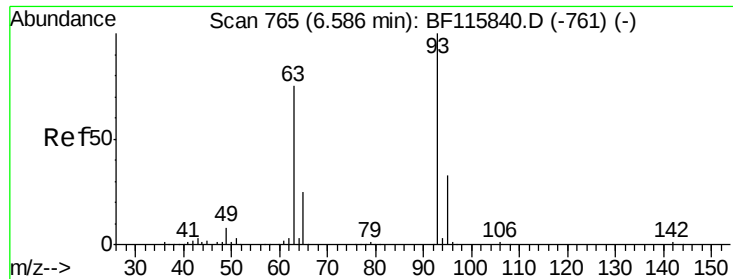
Ion Ratio Lower Upper

94 100

65 54.5 8.9 48.9#

66 142.4 18.0 58.0#

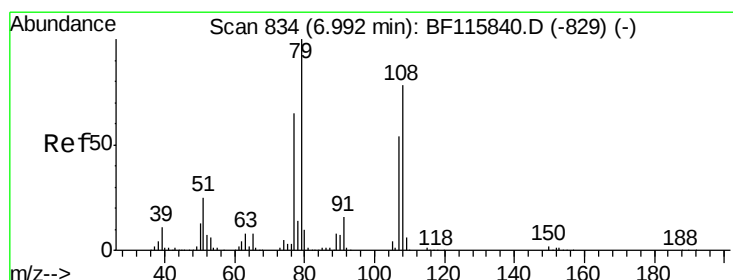
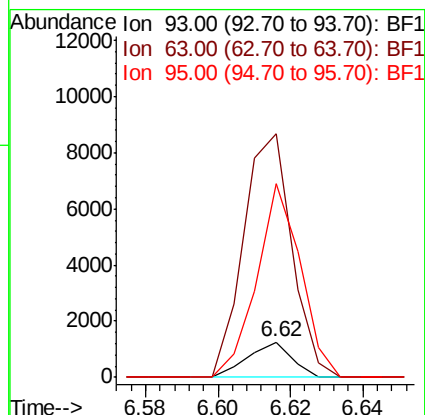
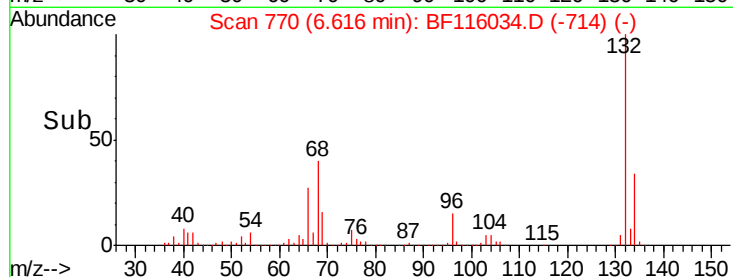
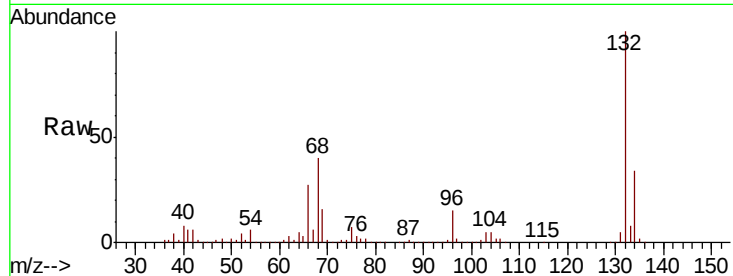




#11
bis(2-Chloroethyl)ether
Concen: 0.135 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

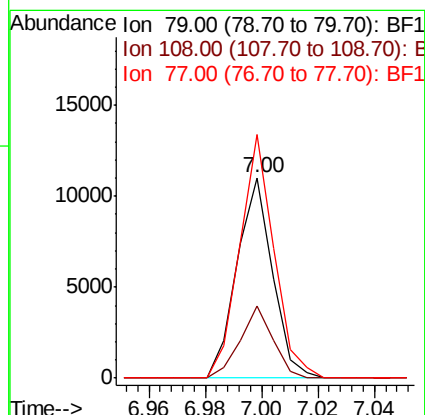
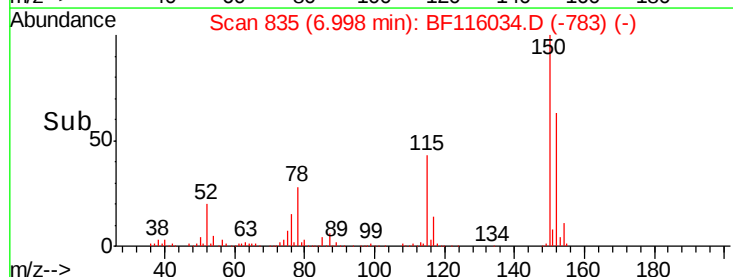
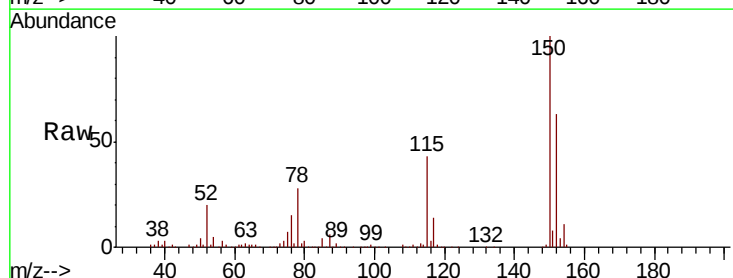
Instrument :
BNA_F
ClientSampleId :
RBR-2000050

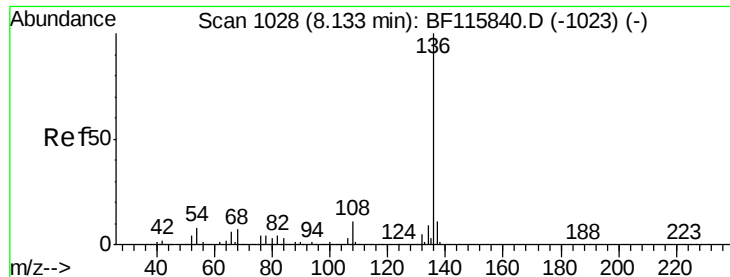
Tot Ion: 93 Resp: 1044
Ion Ratio Lower Upper
93 100
63 685.6 54.9 94.9#
95 545.5 13.3 53.3#



#15
Benzyl Alcohol
Concen: 1.422 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Tgt Ion: 79 Resp: 9636
Ion Ratio Lower Upper
79 100
108 36.0 62.8 94.2#
77 121.6 52.0 78.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

Tot Ion:136 Resp: 463108

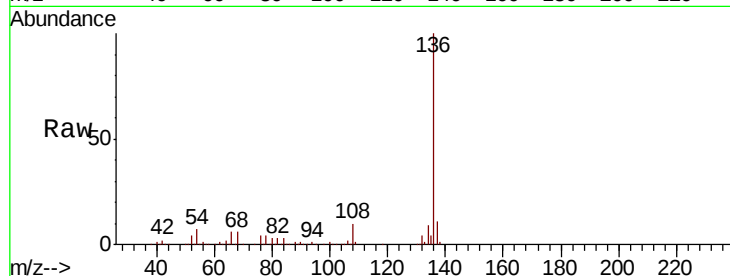
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.3 6.1 9.1

68 6.1 5.4 8.2

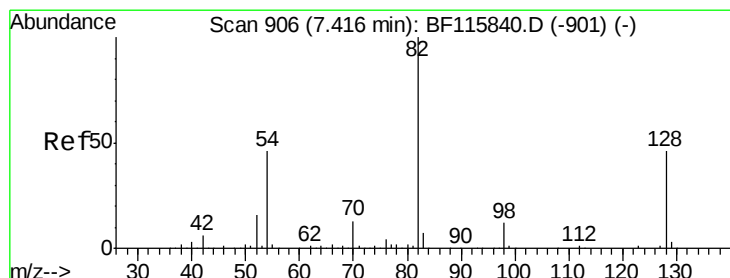
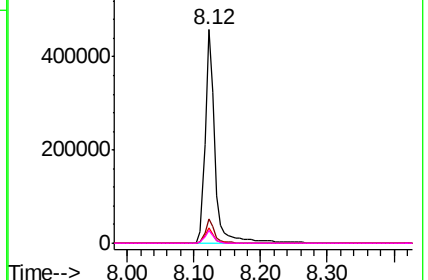
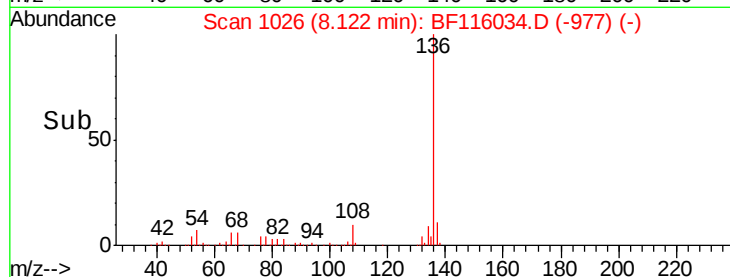


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.964 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

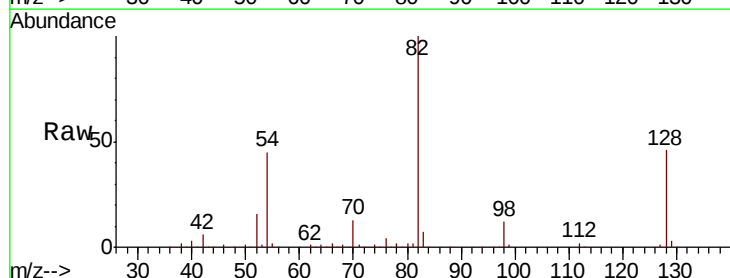
Tgt Ion: 82 Resp: 585386

Ion Ratio Lower Upper

82 100

128 46.4 36.6 55.0

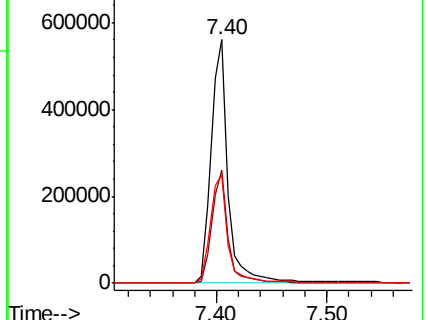
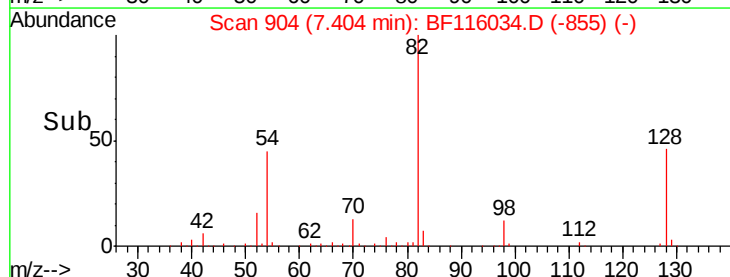
54 44.5 36.6 55.0

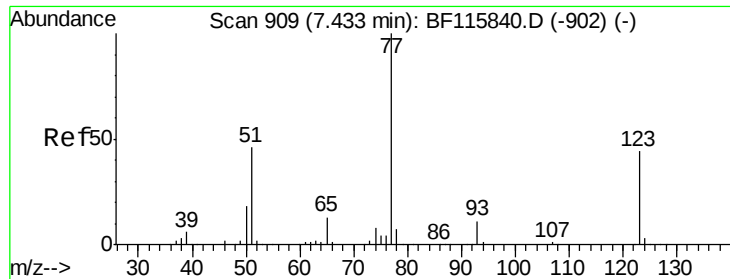


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 0.205 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

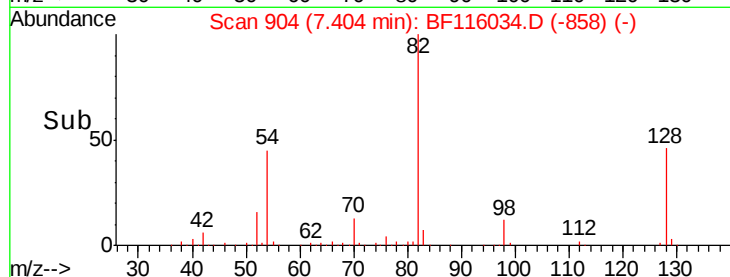
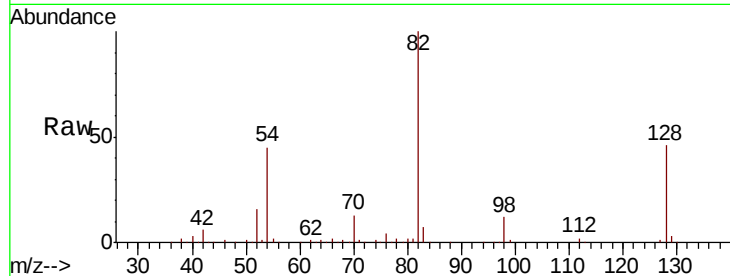
Tot Ion: 77 Resp: 1777

Ion Ratio Lower Upper

77 100

123 0.0 35.5 53.3#

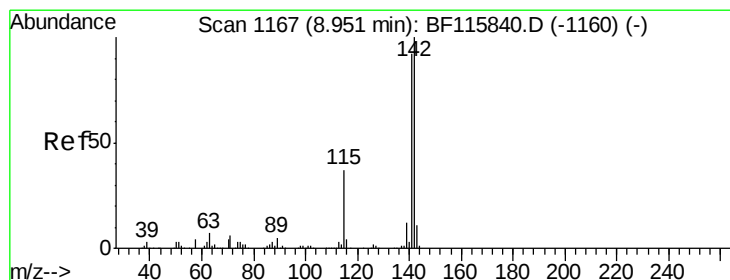
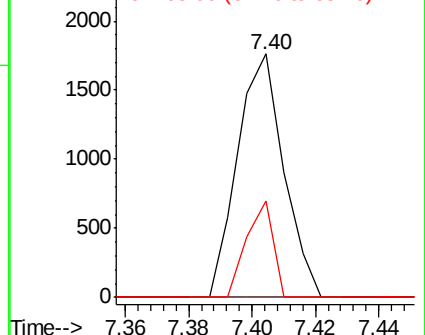
65 39.4 10.6 15.8#



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



#38

1-Methylnaphthalene

Concen: 0.027 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.24 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

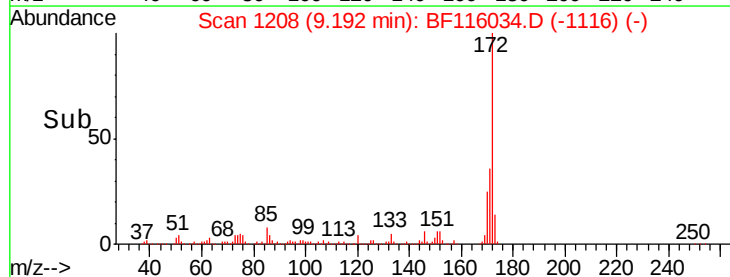
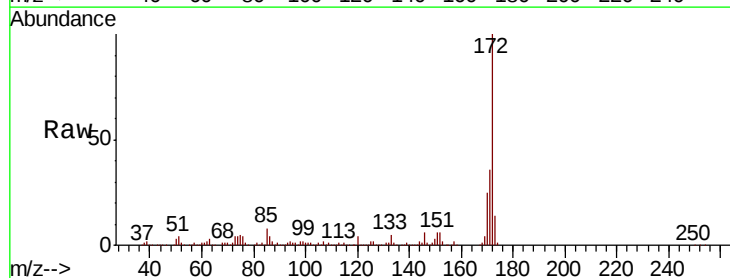
Tgt Ion: 142 Resp: 367

Ion Ratio Lower Upper

142 100

141 62.4 73.8 110.6#

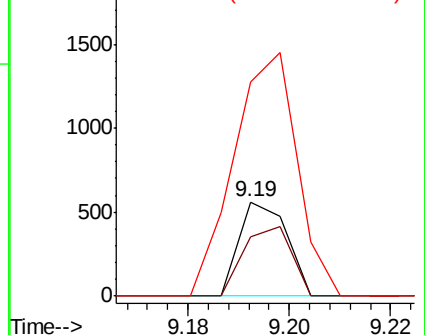
116 226.7 3.1 4.7#

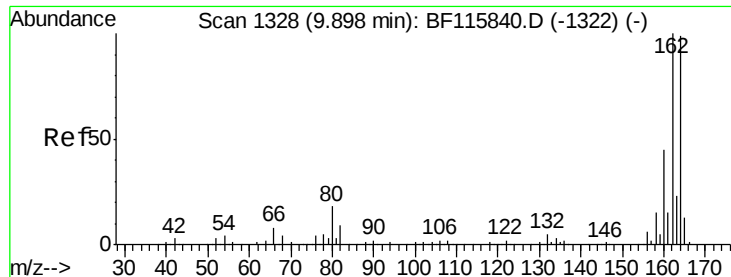


Abundance Ion 142.00 (141.70 to 142.70): BF1

Ion 141.00 (140.70 to 141.70): BF1

Ion 116.00 (115.70 to 116.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

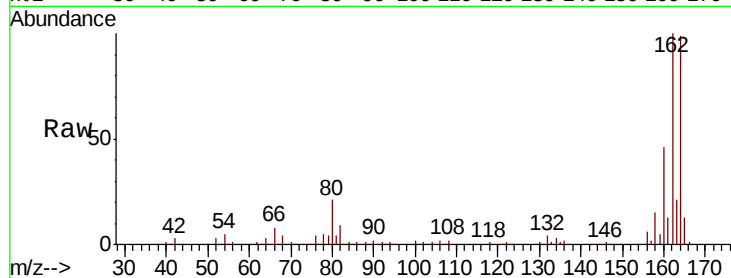
Tot Ion:164 Resp: 241106

Ion Ratio Lower Upper

164 100

162 101.2 80.8 121.2

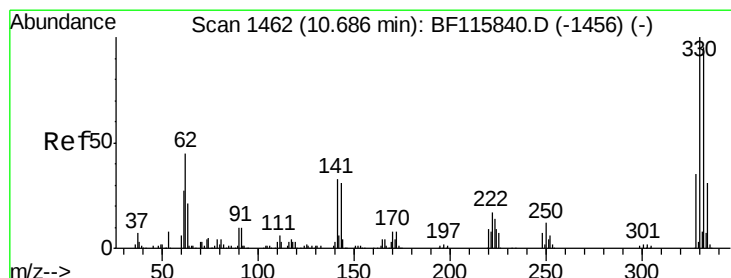
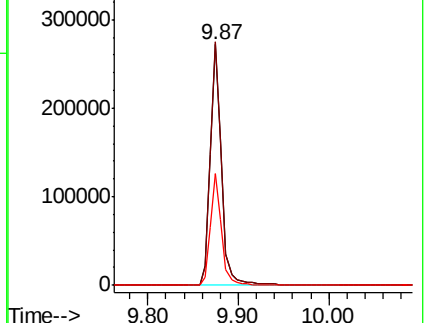
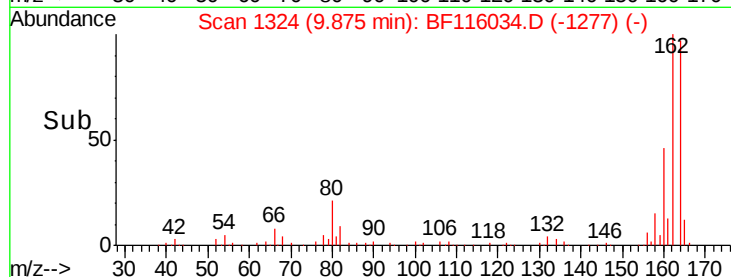
160 46.6 36.2 54.4



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: 59.990 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

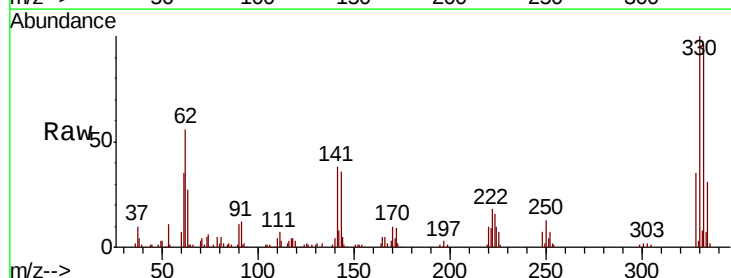
Tgt Ion:330 Resp: 140231

Ion Ratio Lower Upper

330 100

332 98.3 77.7 116.5

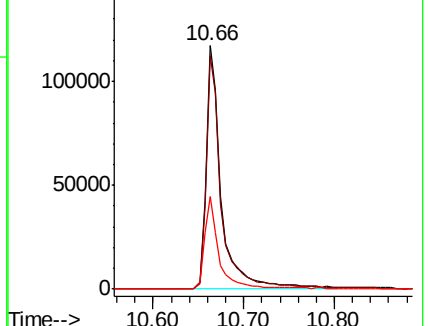
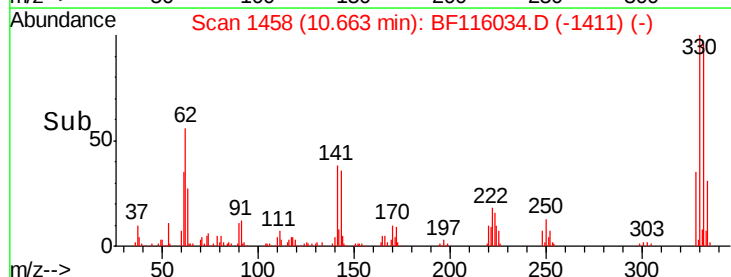
141 36.9 28.1 42.1

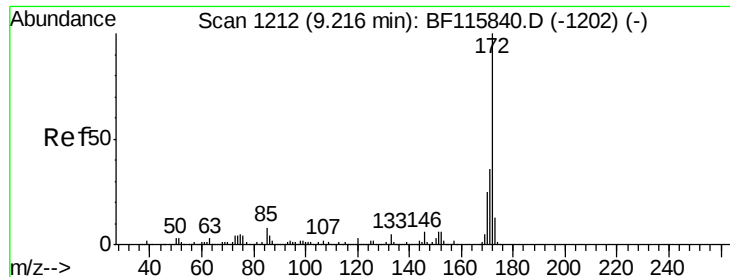


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

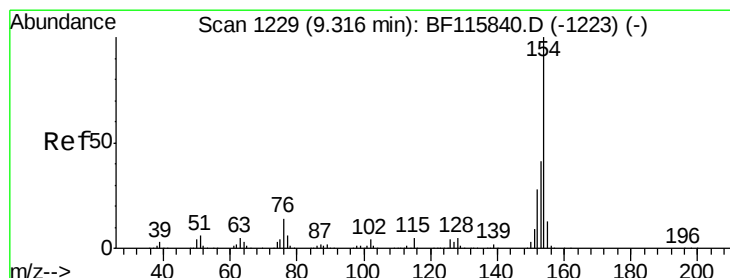
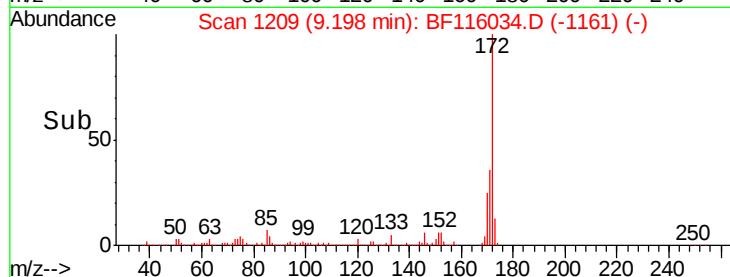
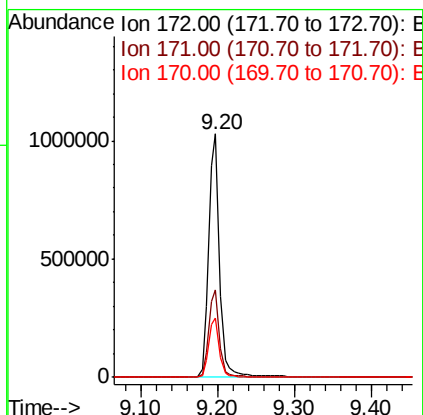
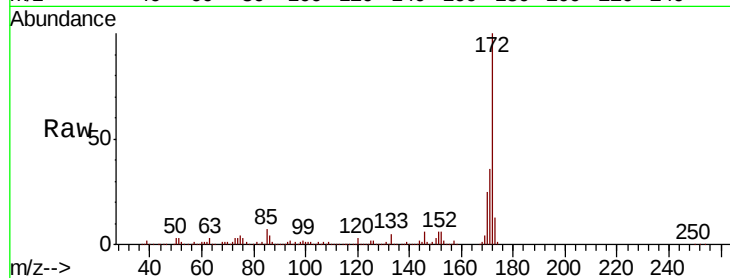




#45
2-Fluorobiphenyl
Concen: 78.307 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

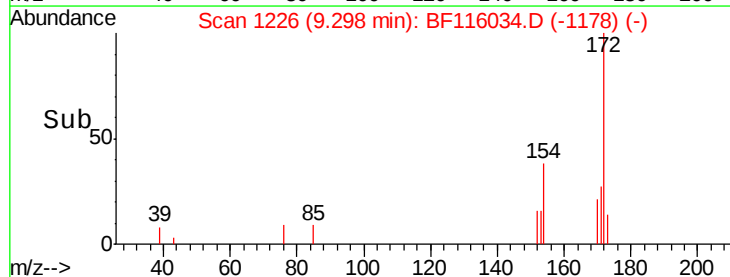
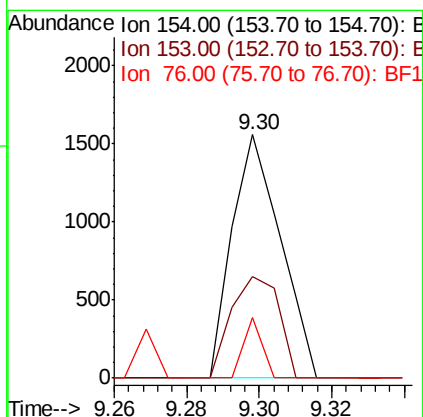
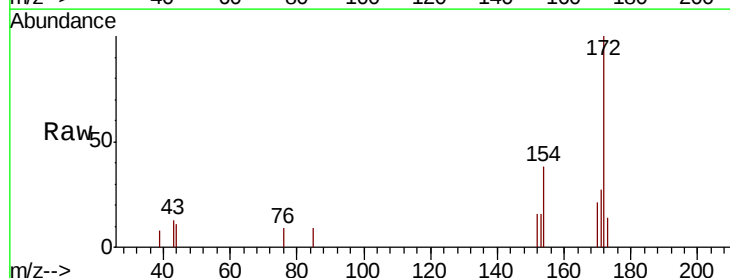
Instrument :
BNA_F
ClientSampleId :
RBR-2000050

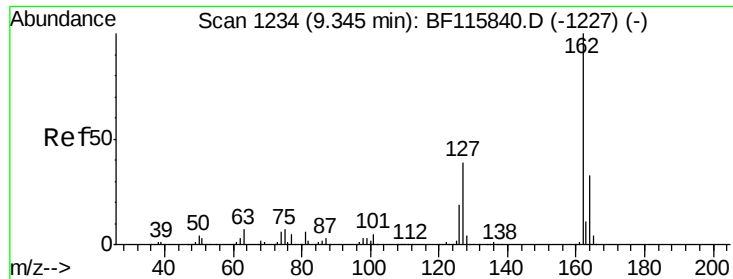
Tot Ion:172 Resp: 1007990
Ion Ratio Lower Upper
172 100
171 36.1 29.1 43.7
170 24.6 20.1 30.1



#46
1,1'-Biphenyl
Concen: 0.085 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Tgt Ion:154 Resp: 1446
Ion Ratio Lower Upper
154 100
153 41.8 20.9 60.9
76 24.9 0.0 34.3

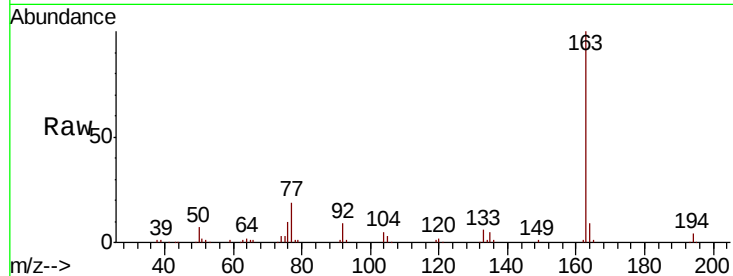




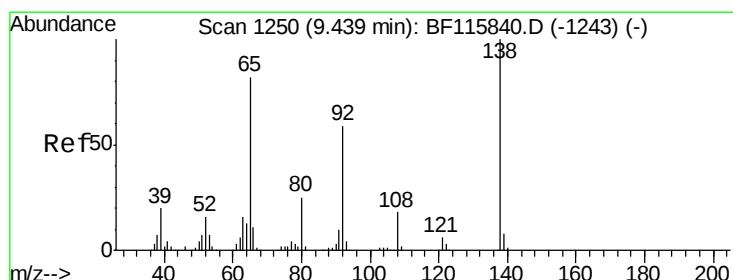
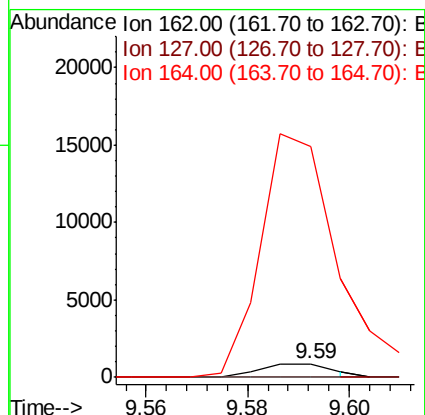
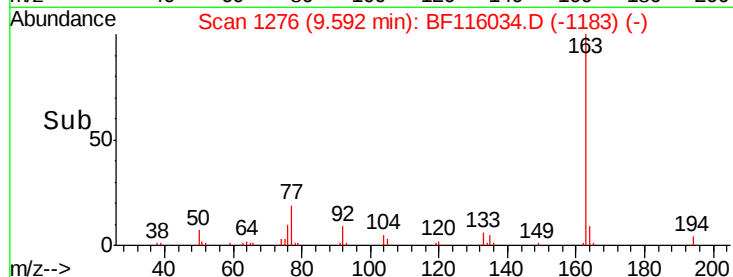
#47
2-Chloronaphthalene
Concen: 0.061 ng
RT: 9.59 min Scan# 1276
Delta R.T. 0.25 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-2000050

Tot Ion:162 Resp: 861
Ion Ratio Lower Upper
162 100
127 0.0 31.3 46.9#
164 1673.7 26.6 40.0#

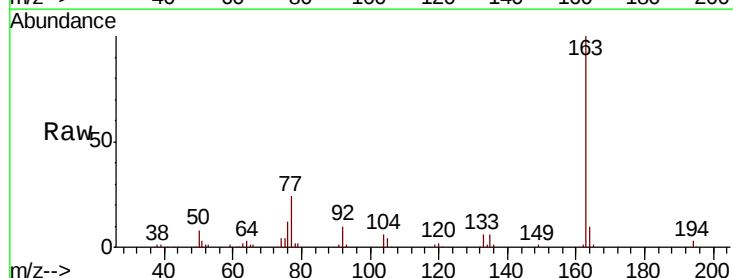


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

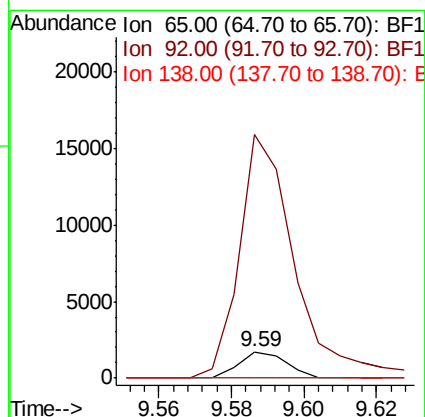
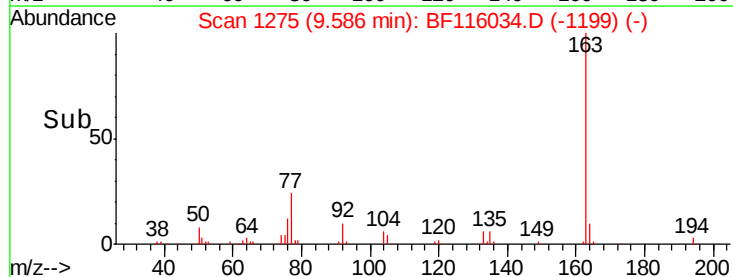


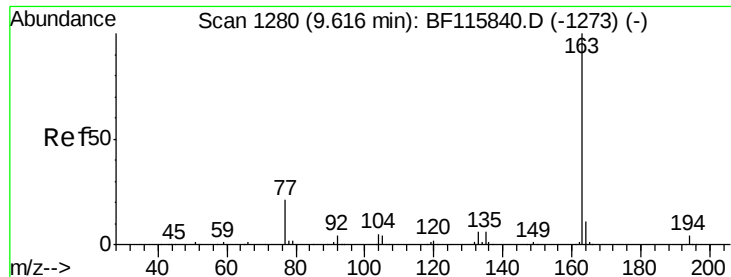
#48
2-Nitroaniline
Concen: 0.330 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Tgt Ion: 65 Resp: 1543
Ion Ratio Lower Upper
65 100
92 922.7 57.1 85.7#
138 0.0 97.1 145.7#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 11.214 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

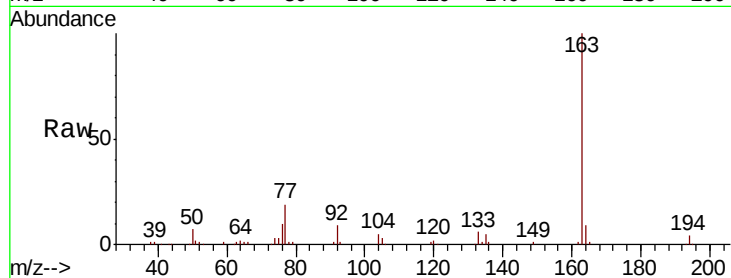
Tot Ion:163 Resp: 184089

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 9.4 8.4 12.6



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

9.59

150000

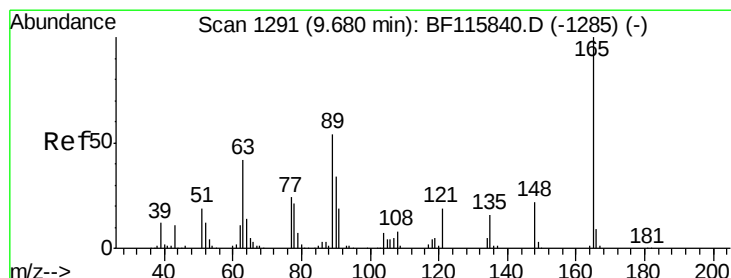
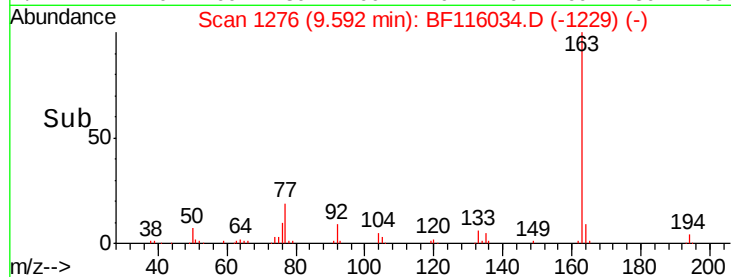
100000

50000

0

9.50 9.60 9.70

Time-->



#51

2,6-Dinitrotoluene

Concen: 0.524 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.09 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

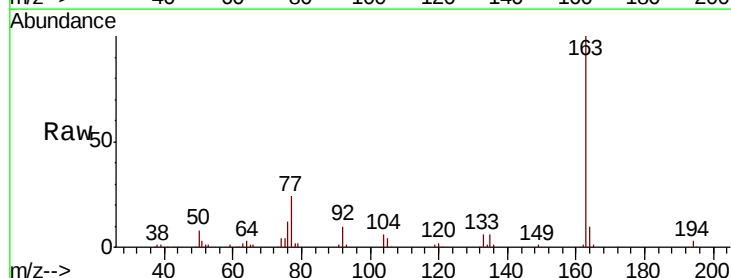
Tgt Ion:165 Resp: 1870

Ion Ratio Lower Upper

165 100

63 152.1 39.4 59.2#

89 0.0 43.0 64.6#



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

4000

3000

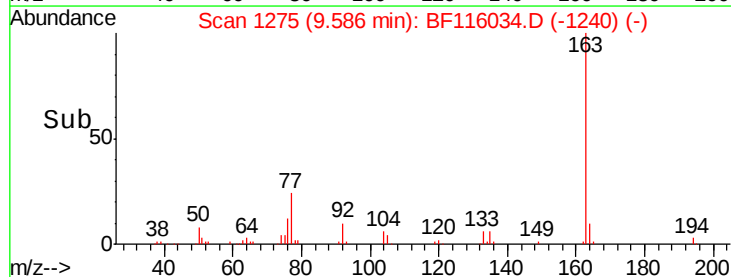
2000

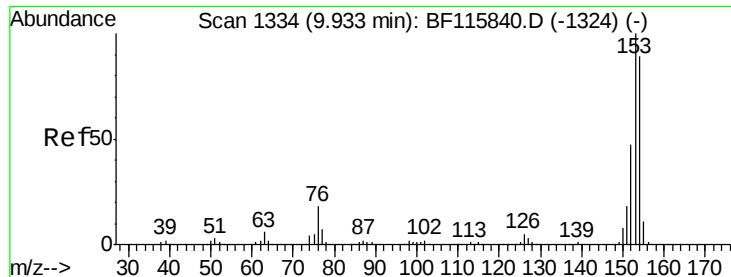
1000

0

9.56 9.58 9.60 9.62

Time-->





#52

Acenaphthene

Concen: 0.066 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.06 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

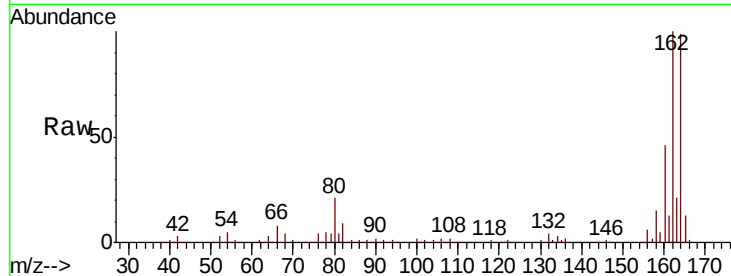
Tot Ion:154 Resp: 834

Ion Ratio Lower Upper

154 100

153 0.0 90.1 135.1#

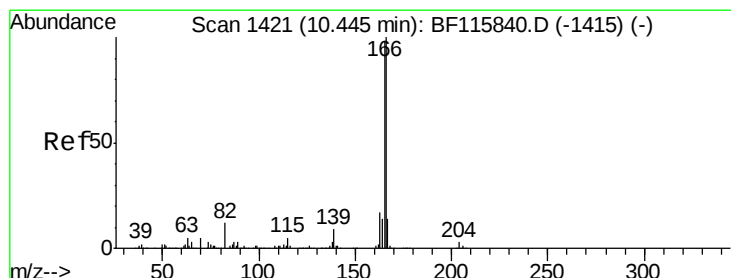
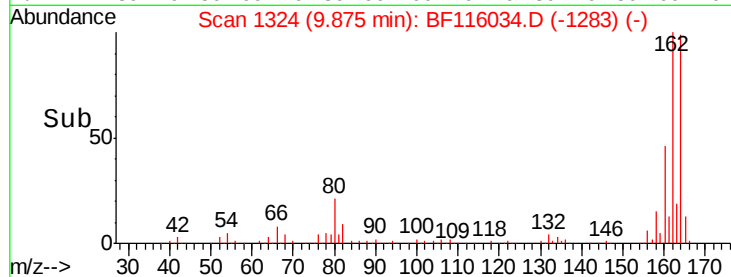
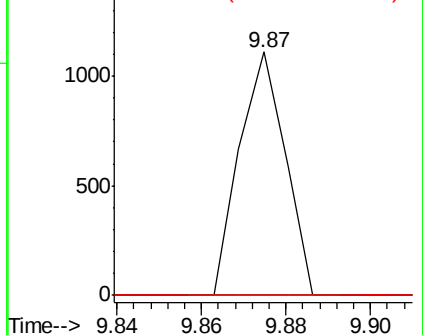
152 0.0 42.6 63.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 0.402 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.22 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

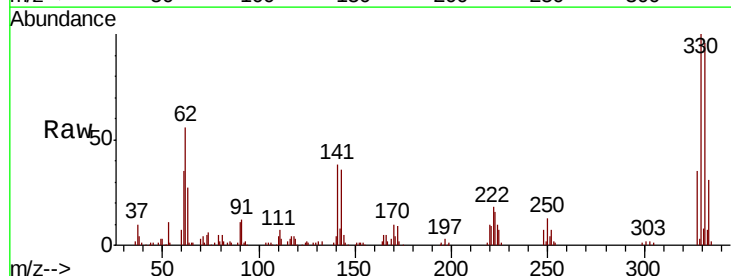
Tgt Ion:166 Resp: 5706

Ion Ratio Lower Upper

166 100

165 104.4 78.6 118.0

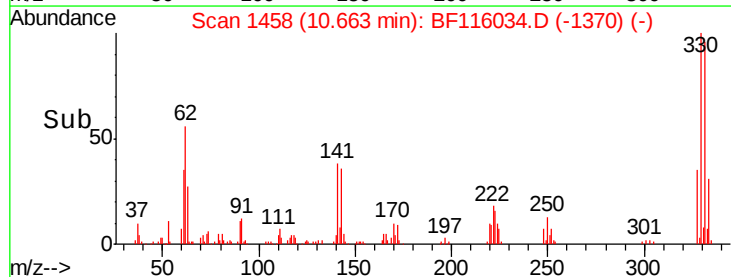
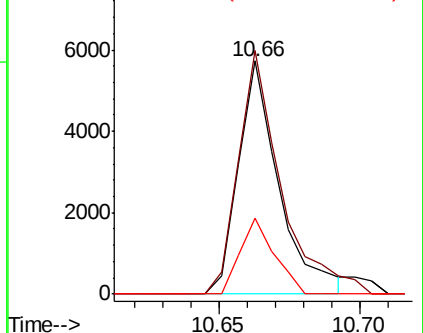
167 32.4 10.9 16.3#

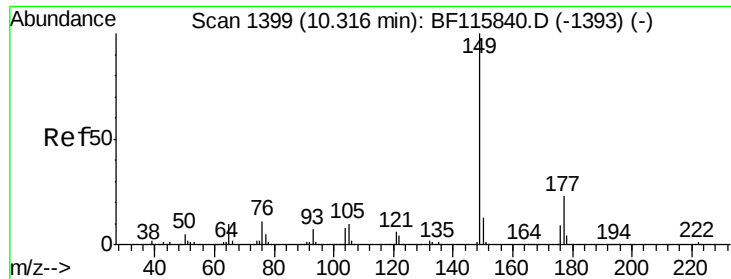


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.040 ng

RT: 10.29 min Scan# 1395

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

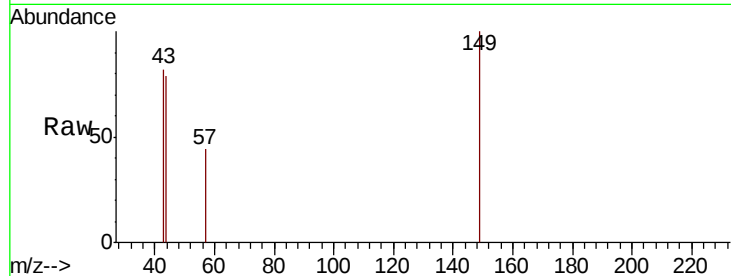
Tot Ion:149 Resp: 616

Ion Ratio Lower Upper

149 100

177 0.0 18.4 27.6#

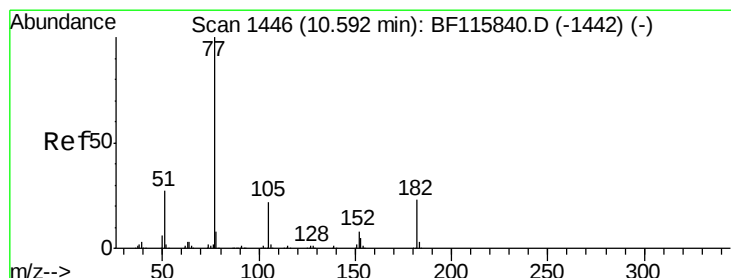
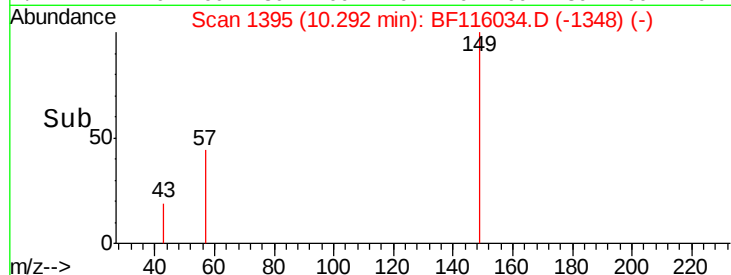
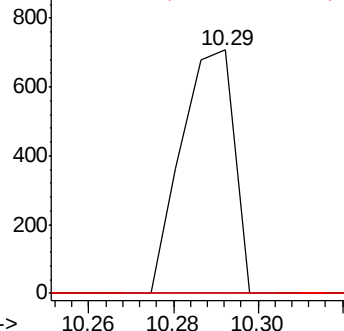
150 0.0 10.1 15.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Azobenzene

Concen: 0.045 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.07 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Tgt Ion: 77 Resp: 708

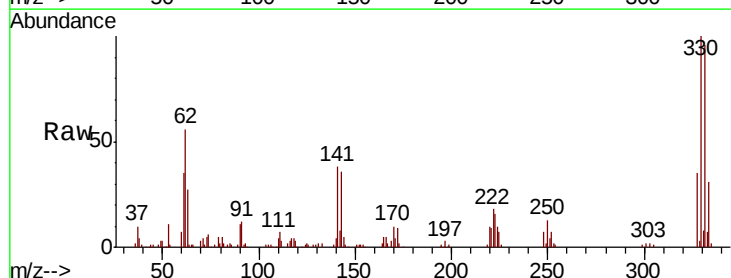
Ion Ratio Lower Upper

77 100

182 0.0 2.6 42.6#

105 93.4 1.6 41.6#

51 71.1 7.4 47.4#

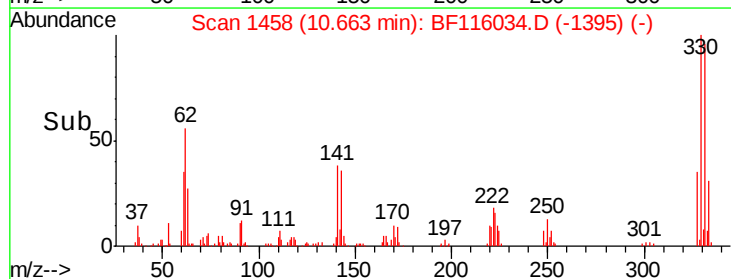
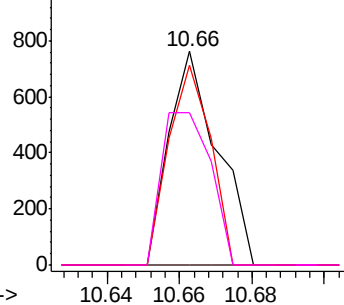


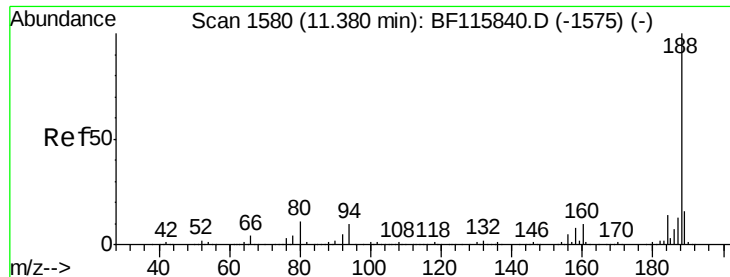
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

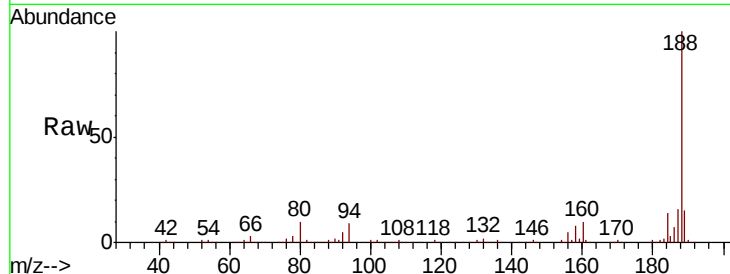




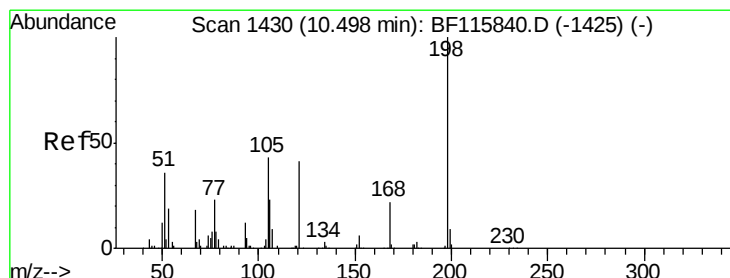
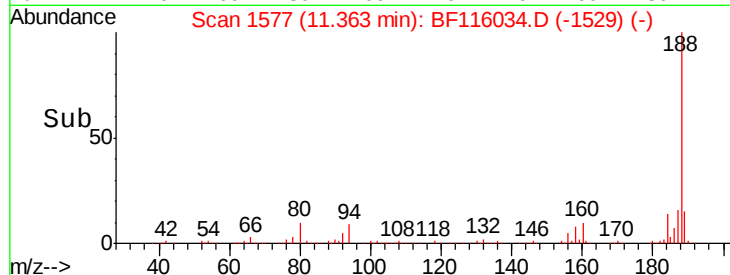
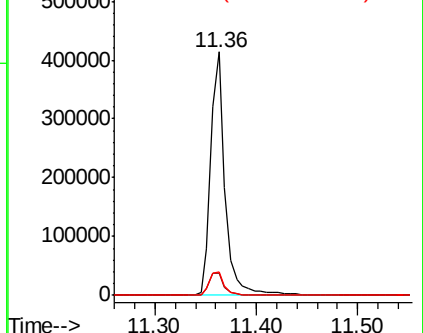
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Tot Ion:188 Resp: 409064
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.0 12.0
 80 9.6 8.6 12.8

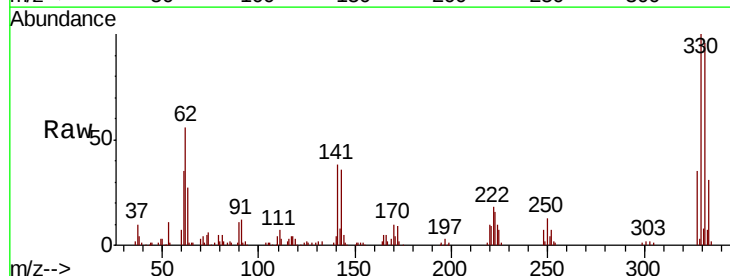


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

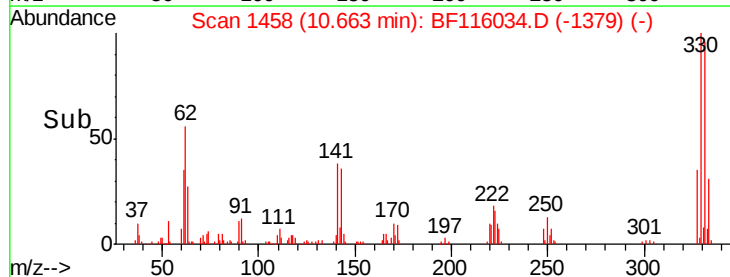
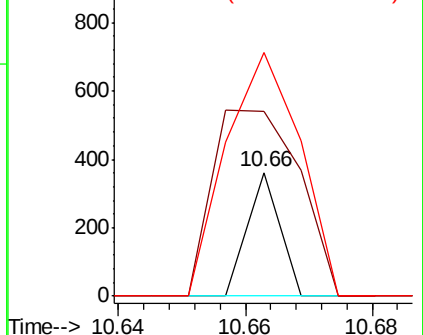


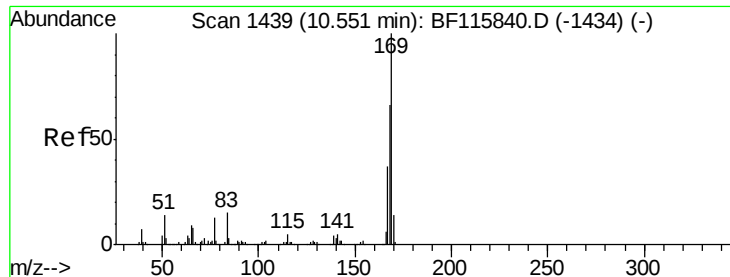
#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.059 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.16 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Tgt Ion:198 Resp: 127
 Ion Ratio Lower Upper
 198 100
 51 150.1 21.1 61.1#
 105 197.2 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

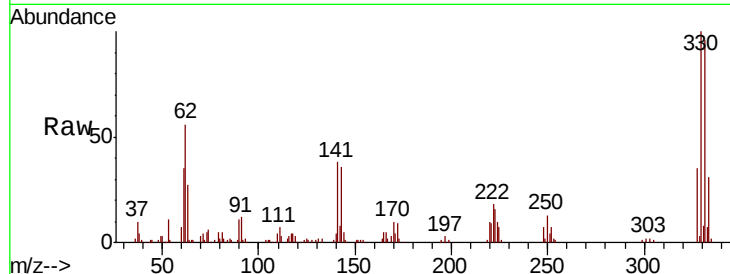




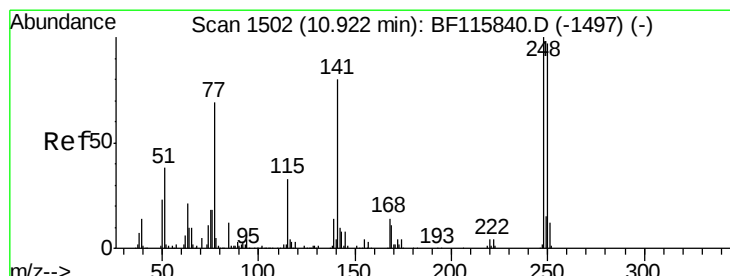
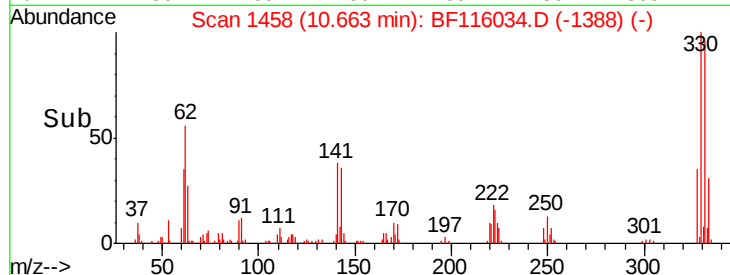
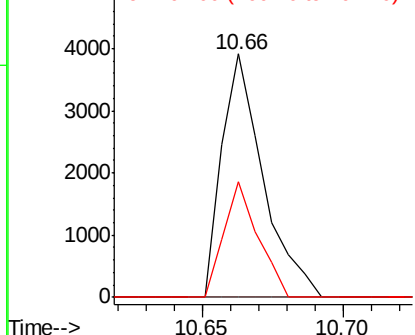
#66
 n-Nitrosodiphenylamine
 Concen: 0.323 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. 0.11 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Tot Ion:169 Resp: 3975
 Ion Ratio Lower Upper
 169 100
 168 0.0 53.0 79.6#
 167 47.5 29.9 44.9#

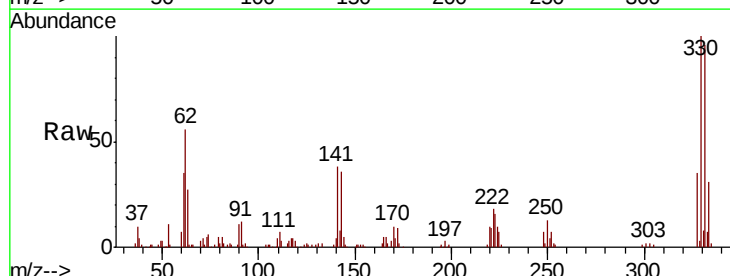


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

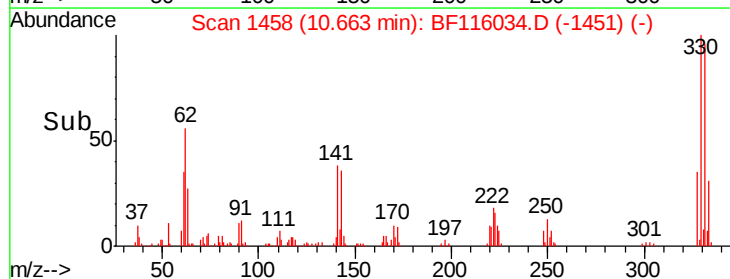
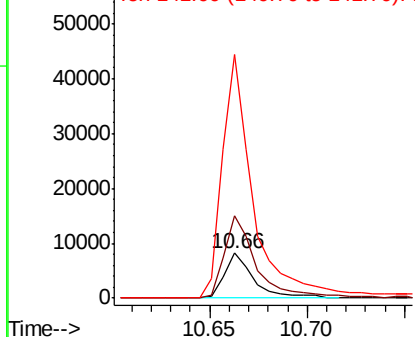


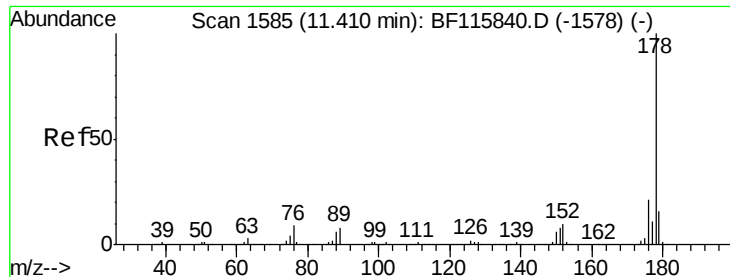
#67
 4-Bromophenyl-phenylether
 Concen: 1.934 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.26 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Tgt Ion:248 Resp: 8468
 Ion Ratio Lower Upper
 248 100
 250 183.5 77.8 116.6#
 141 543.4 64.3 96.5#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

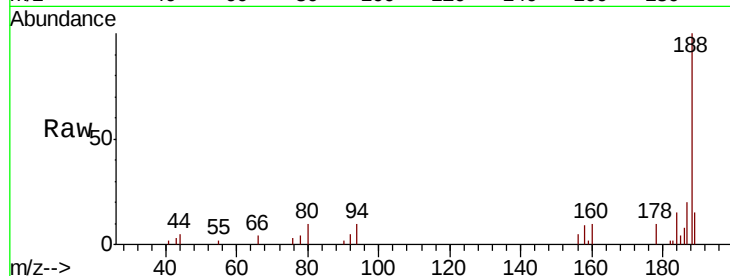




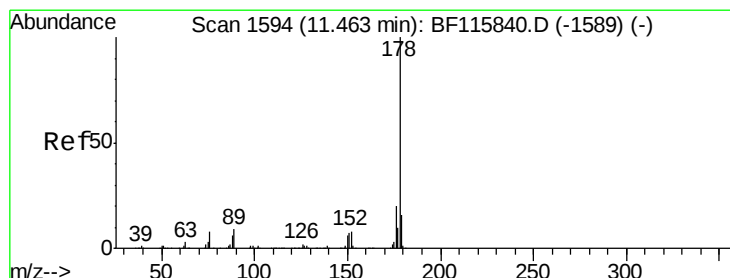
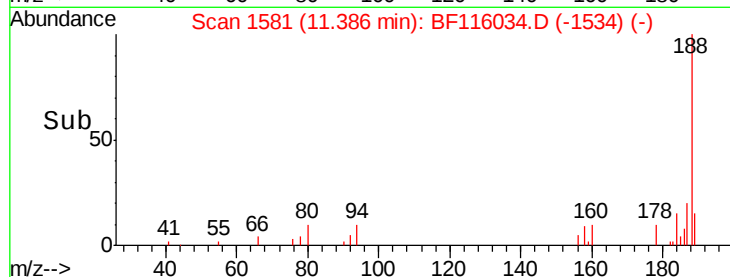
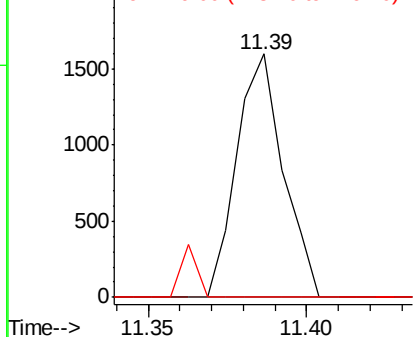
#71
Phenanthrene
Concen: 0.078 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-2000050

Tot Ion:178 Resp: 1624
Ion Ratio Lower Upper
178 100
176 0.0 16.5 24.7#
179 0.0 12.6 18.8#

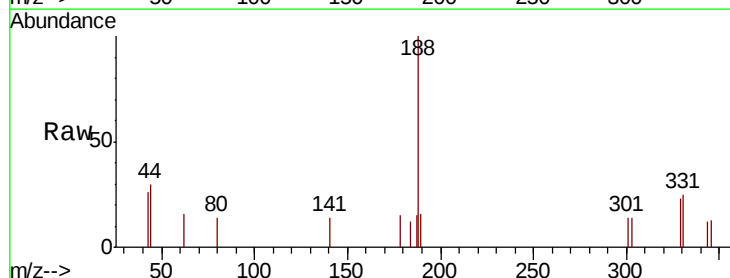


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

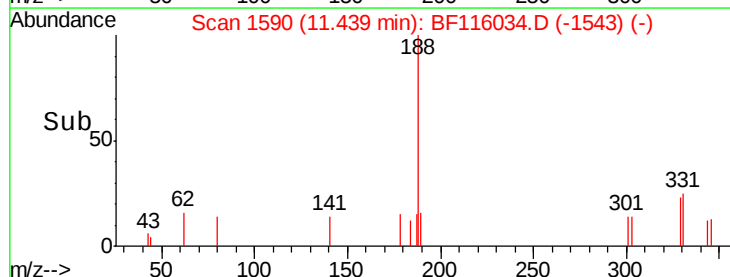
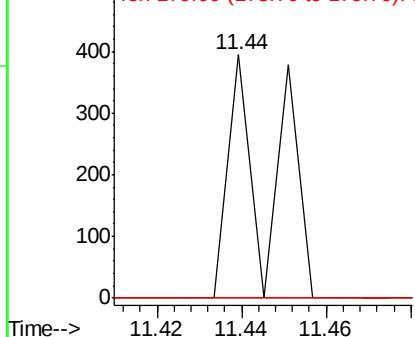


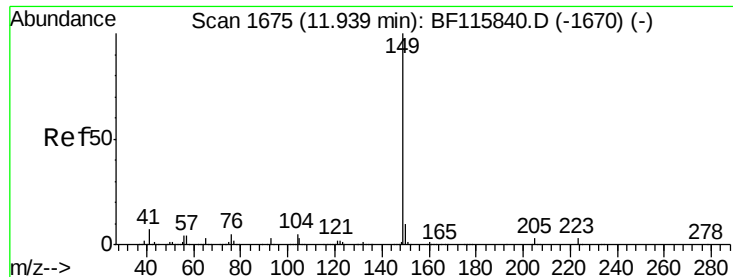
#72
Anthracene
Concen: 0.013 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Tgt Ion:178 Resp: 273
Ion Ratio Lower Upper
178 100
176 0.0 15.7 23.5#
179 0.0 12.4 18.6#



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





#74

Di-n-butylphthalate

Concen: 0.079 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

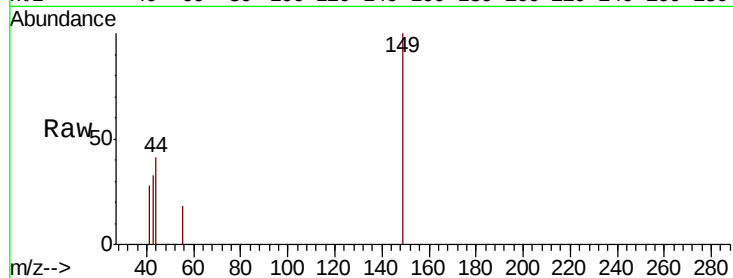
Tot Ion:149 Resp: 1764

Ion Ratio Lower Upper

149 100

150 0.0 7.7 11.5#

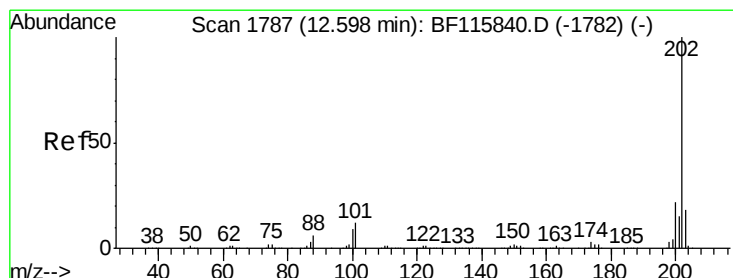
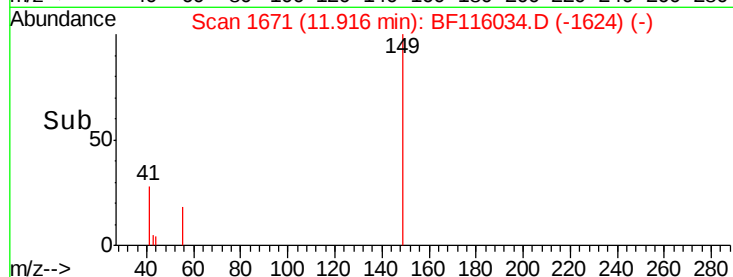
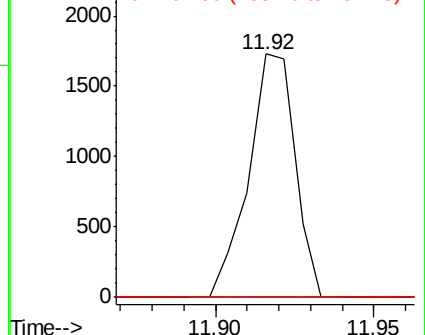
104 0.0 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 0.110 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

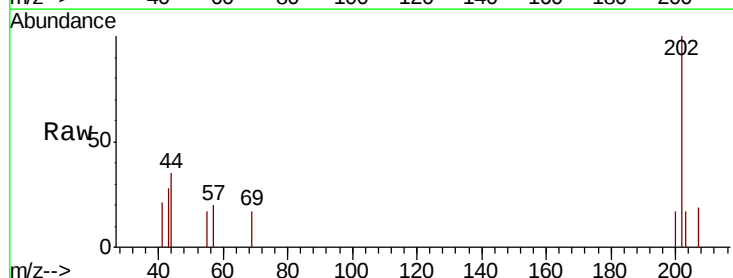
Tgt Ion:202 Resp: 2400

Ion Ratio Lower Upper

202 100

101 0.0 0.0 31.5

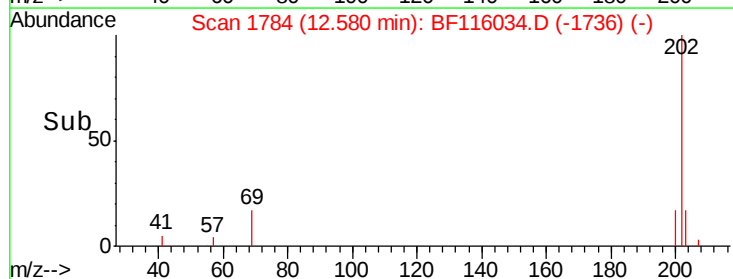
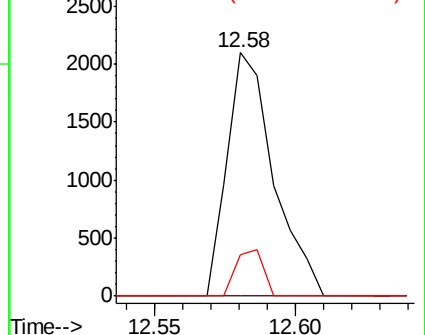
203 17.0 0.0 37.9

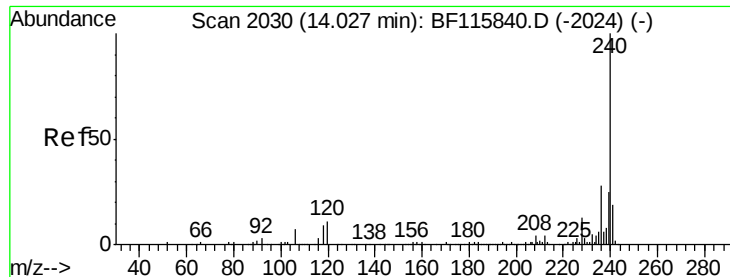


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

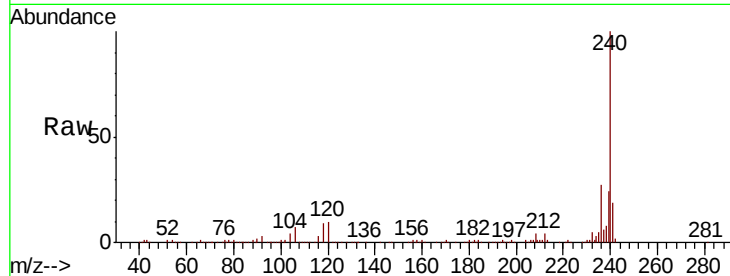




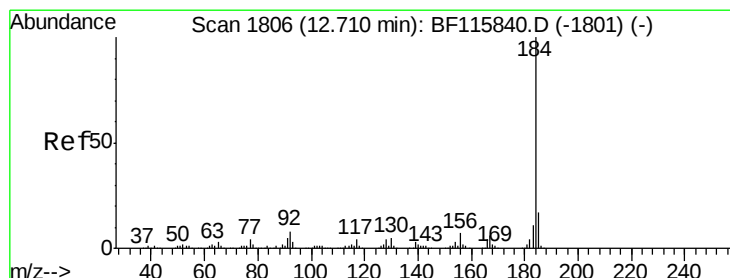
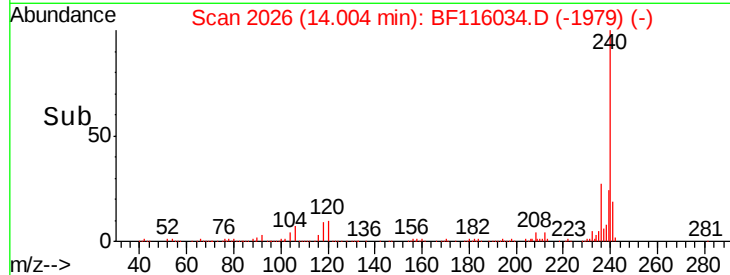
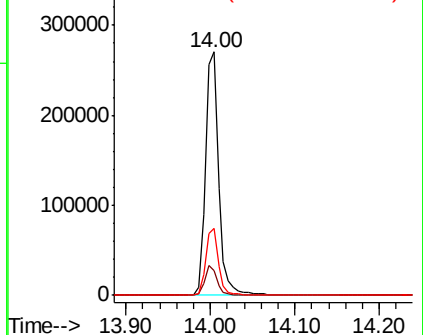
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Tot Ion:240 Resp: 293380
 Ion Ratio Lower Upper
 240 100
 120 10.1 8.5 12.7
 236 27.3 22.2 33.2

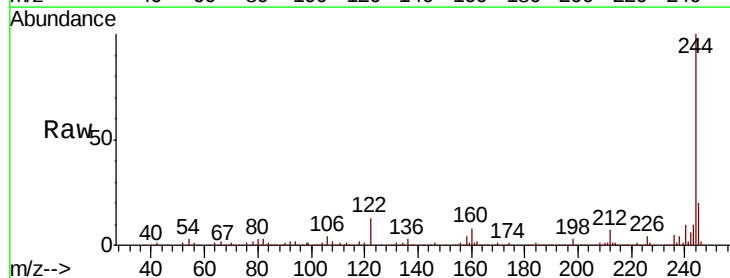


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

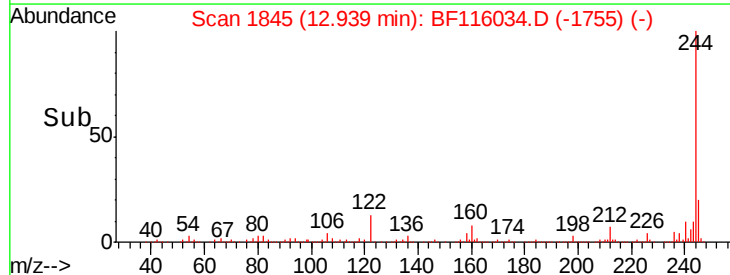
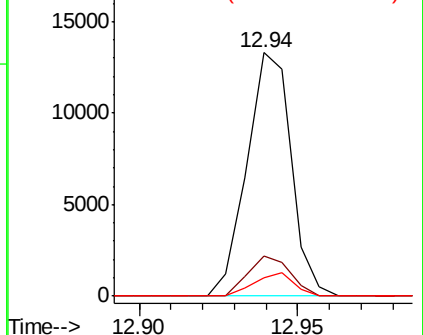


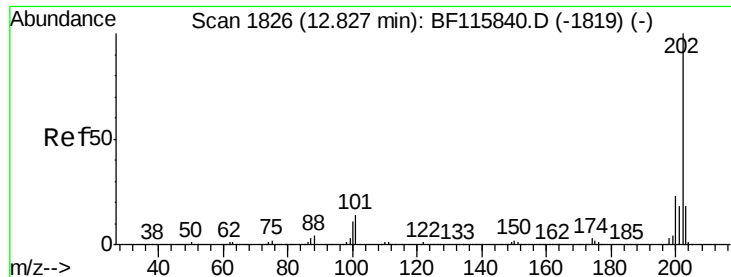
#77
 Benzidine
 Concen: 1.303 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.23 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Tgt Ion:184 Resp: 12918
 Ion Ratio Lower Upper
 184 100
 185 16.3 13.4 20.2
 183 7.8 9.1 13.7#



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





#78

Pvrene

Concen: 0.103 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

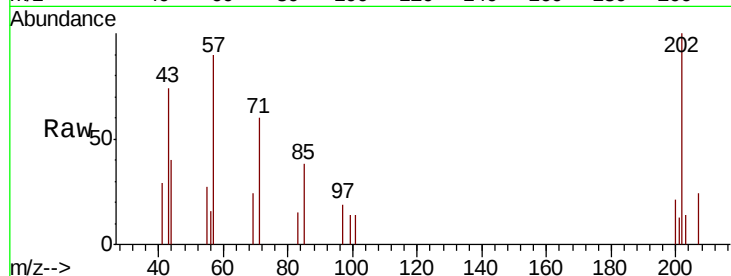
Tot Ion:202 Resp: 2285

Ion Ratio Lower Upper

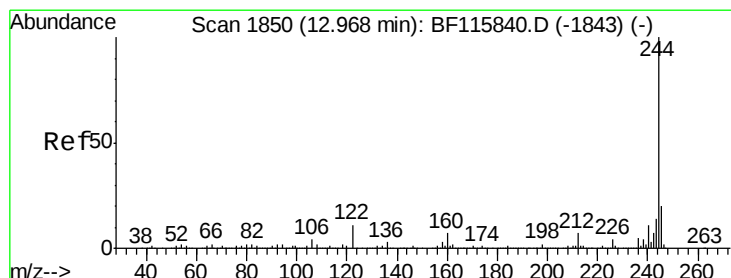
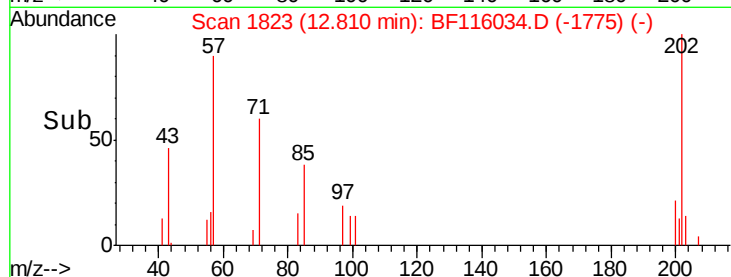
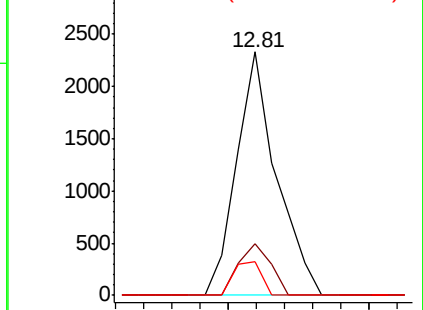
202 100

200 21.3 18.2 27.2

203 14.0 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 69.858 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.03 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

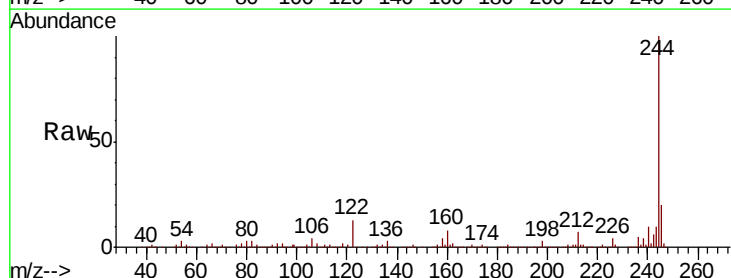
Tgt Ion:244 Resp: 972627

Ion Ratio Lower Upper

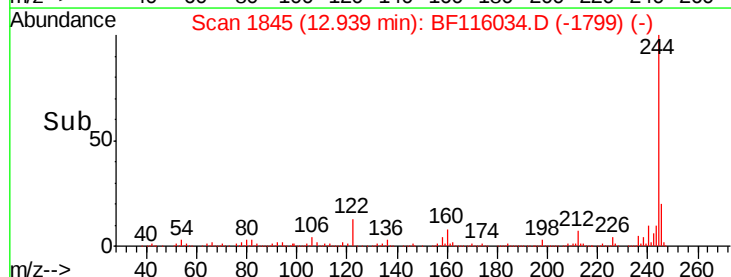
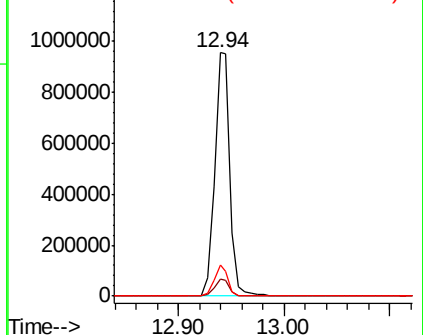
244 100

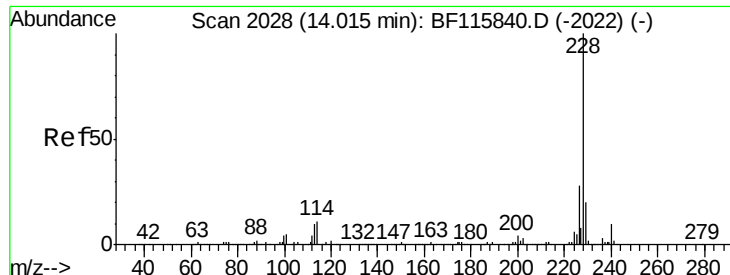
212 7.0 5.6 8.4

122 12.5 8.6 13.0



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





#81

Benzo(a)anthracene

Concen: 0.108 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

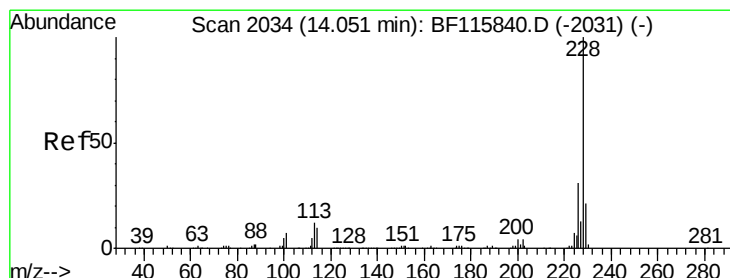
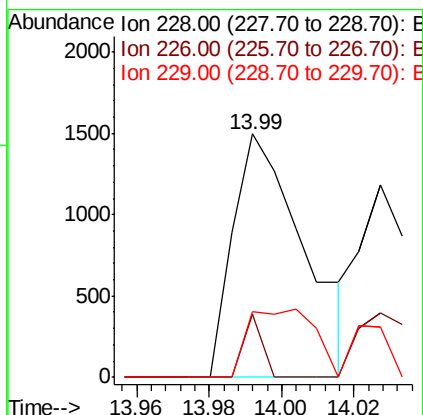
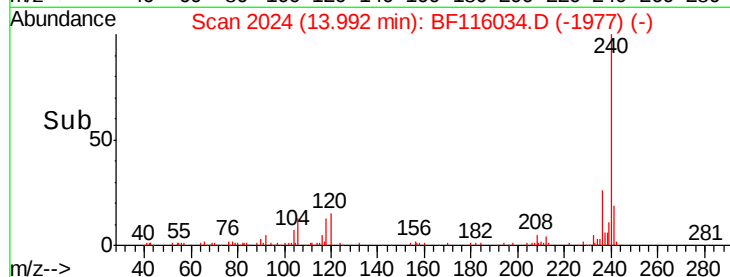
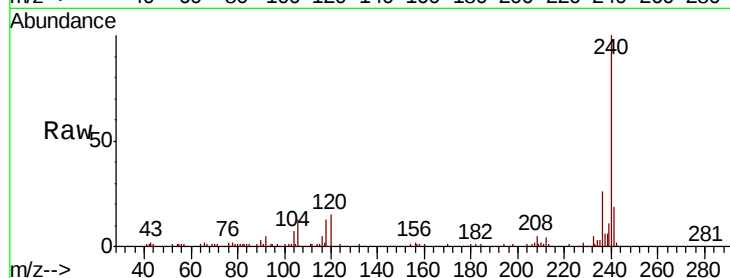
Tot Ion:228 Resp: 2024

Ion Ratio Lower Upper

228 100

226 25.7 22.5 33.7

229 27.0 16.1 24.1#



#83

Chrysene

Concen: 0.061 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

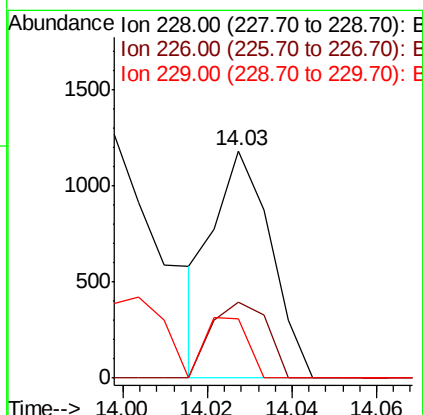
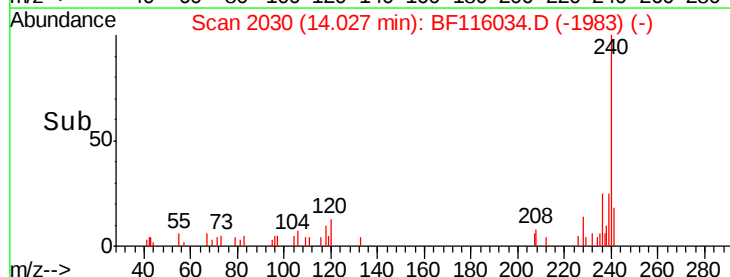
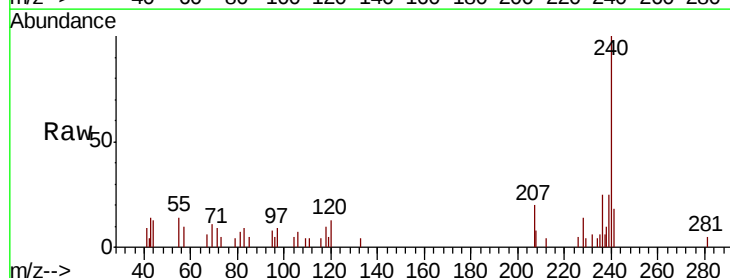
Tgt Ion:228 Resp: 1104

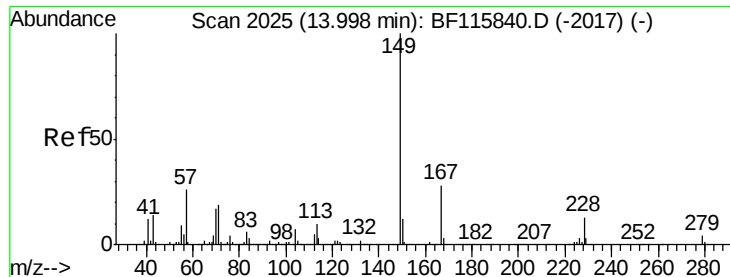
Ion Ratio Lower Upper

228 100

226 33.4 24.8 37.2

229 26.3 16.4 24.6#





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.104 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

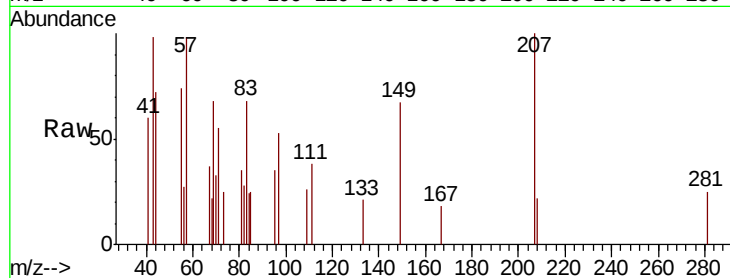
Tot Ion:149 Resp: 1262

Ion Ratio Lower Upper

149 100

167 27.0 22.4 33.6

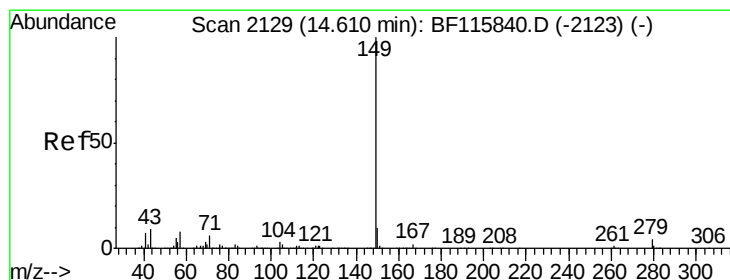
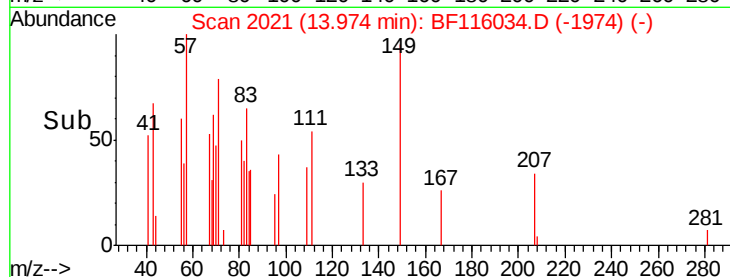
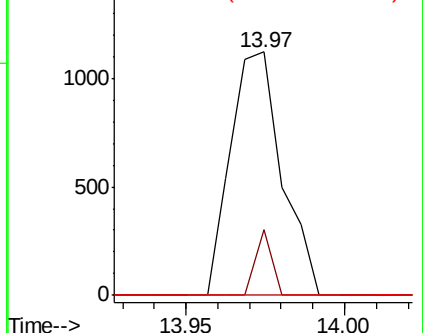
279 0.0 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.052 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

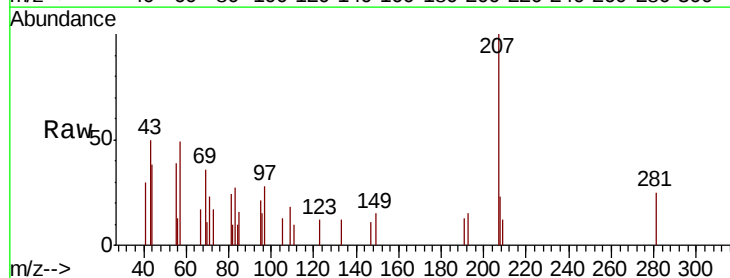
Tgt Ion:149 Resp: 1005

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

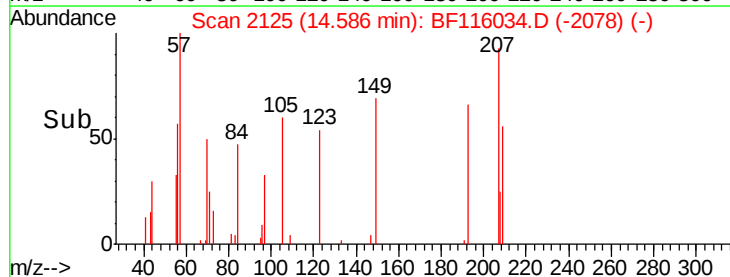
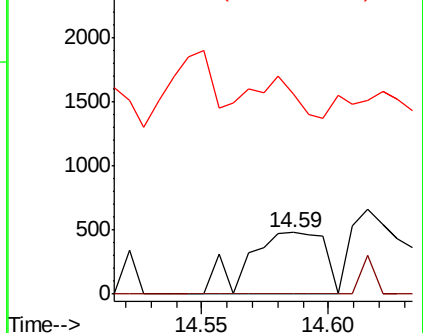
43 72.5 7.4 11.0#

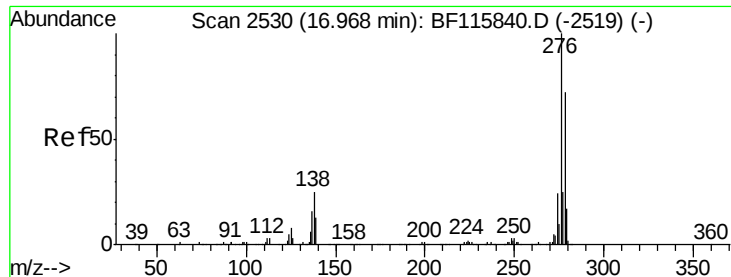


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.037 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.01 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

Instrument :

BNA_F

ClientSampleId :

RBR-2000050

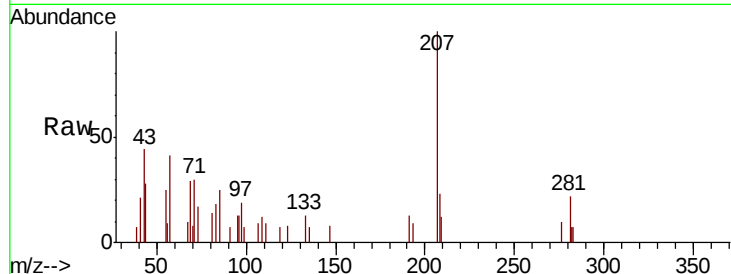
Tot Ion:276 Resp: 563

Ion Ratio Lower Upper

276 100

138 0.0 19.6 29.4#

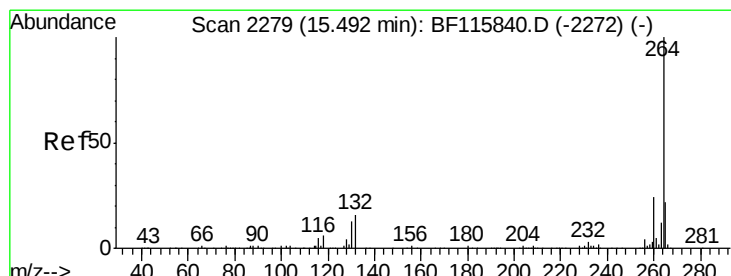
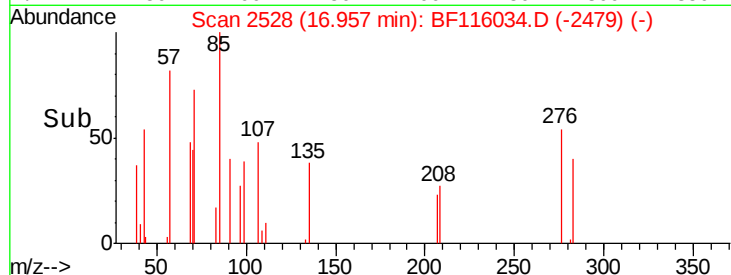
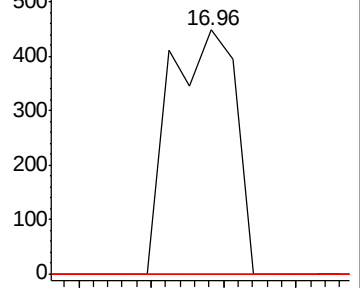
277 0.0 20.1 30.1#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.03 min

Lab File: BF116034.D

Acq: 7 Aug 2019 00:42

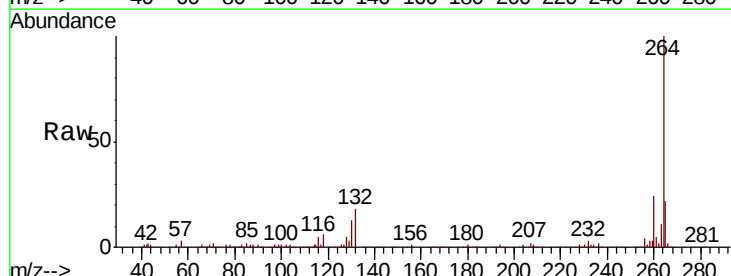
Tgt Ion:264 Resp: 352353

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

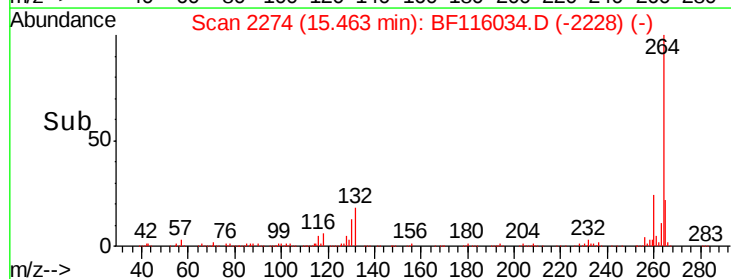
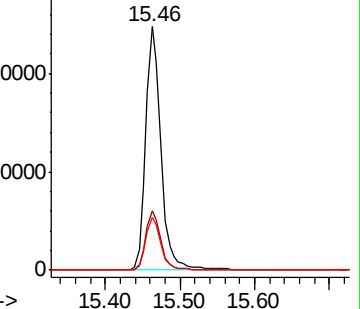
265 21.9 17.5 26.3

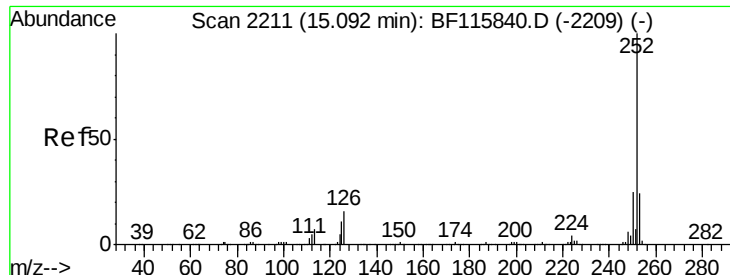


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

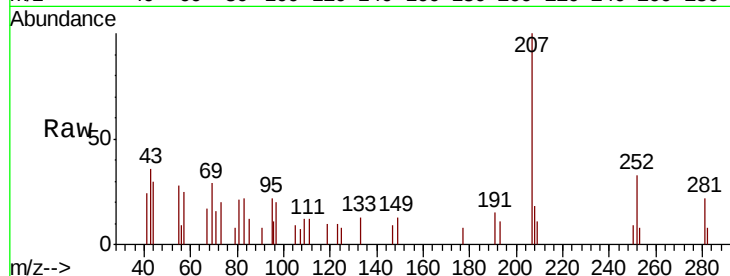




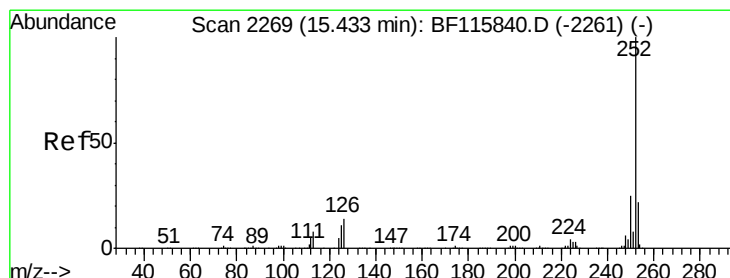
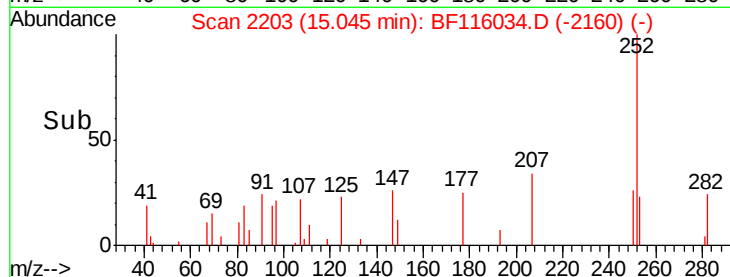
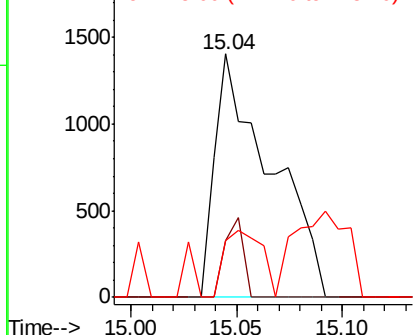
#89
Benzo(k)fluoranthene
Concen: 0.129 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.05 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Instrument :
BNA_F
ClientSampleId :
RBR-2000050

Tot Ion:252 Resp: 2568
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 23.2 8.9 13.3#

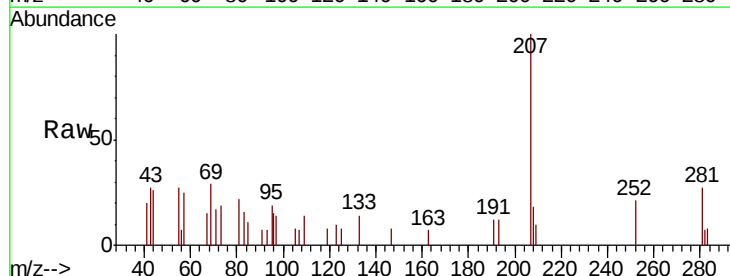


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

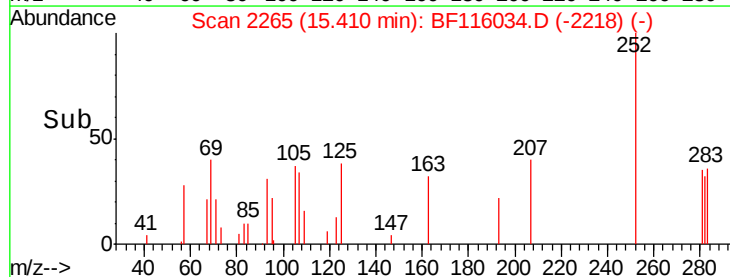
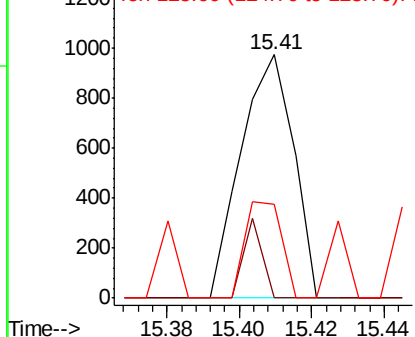


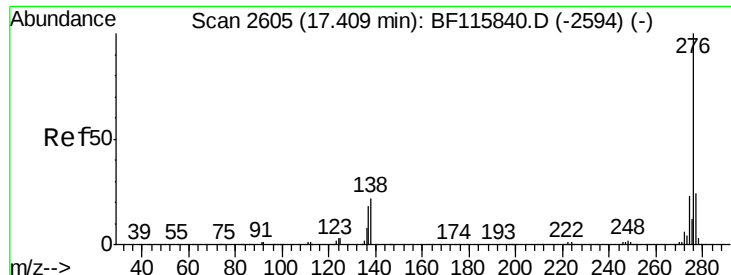
#90
Benzo(a)pyrene
Concen: 0.053 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116034.D
Acq: 7 Aug 2019 00:42

Tgt Ion:252 Resp: 974
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 38.4 8.8 13.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 0.008 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF116034.D
 Acq: 7 Aug 2019 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000050

Tot Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.5	29.3#
138	0.0	17.8	26.8#

