

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112552.D
 Acq On : 13 Feb 2019 21:30
 Operator : JU/SJ
 Sample : K1458-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Quant Time: Feb 14 04:16:39 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	90428	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	324904	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	124946	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	215608	20.00	ng	0.00
76) Chrysene-d12	14.02	240	181469	20.00	ng	0.00
87) Perylene-d12	15.50	264	123051	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	502910	118.13	ng	0.00
7) Phenol-d6	6.49	99	617369	104.36	ng	0.00
23) Nitrobenzene-d5	7.40	82	368613	65.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	121488	83.53	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	619278	70.10	ng	-0.01
79) Terphenyl-d14	12.95	244	526982	54.69	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.32	88	128	0.075	ng	# 23
6) Aniline	6.50	93	135	0.019	ng	# 1
9) Benzaldehyde	6.49	77	861	0.278	ng	# 1
10) Phenol	6.50	94	9408	1.450	ng	# 56
11) bis(2-Chloroethyl)ether	6.62	93	716	0.140	ng	# 1
15) Benzyl Alcohol	6.99	79	6531	1.310	ng	# 45
19) n-Nitroso-di-n-propylamine	7.40	70	47769	11.711	ng	# 79
24) Nitrobenzene	7.40	77	1061	0.188	ng	# 40
25) Isophorone	7.40	82	368611	41.670	ng	# 63
31) Naphthalene	8.14	128	527	0.035	ng	# 67
37) 2-Methylnaphthalene	8.85	142	415	0.040	ng	# 71
38) 1-Methylnaphthalene	8.93	142	120	0.012	ng	# 7
46) 1,1'-Biphenyl	9.29	154	828	0.076	ng	# 42
47) 2-Chloronaphthalene	9.59	162	110	0.013	ng	# 1
48) 2-Nitroaniline	9.58	65	278	0.120	ng	# 1
49) Acenaphthylene	9.74	152	381	0.031	ng	# 59
50) Dimethylphthalate	9.59	163	45804	4.718	ng	# 99
51) 2,6-Dinitrotoluene	9.87	165	16095	7.403	ng	# 33
52) Acenaphthene	9.87	154	358	0.048	ng	# 5
57) 2,4-Dinitrotoluene	9.87	165	16095	5.815	ng	# 31
58) Fluorene	10.67	166	4776	0.563	ng	# 72
60) Diethylphthalate	10.28	149	642	0.067	ng	# 58
63) Azobenzene	10.55	77	108	0.013	ng	# 1
66) n-Nitrosodiphenylamine	10.67	169	4117	0.567	ng	# 44
67) 4-Bromophenyl-phenylether	10.67	248	7432	2.931	ng	# 1
71) Phenanthrene	11.39	178	1992	0.178	ng	# 80
72) Anthracene	11.45	178	507	0.045	ng	# 60
73) Carbazole	11.62	167	537	0.049	ng	# 59
74) Di-n-butylphthalate	11.92	149	1160	0.085	ng	# 77
75) Fluoranthene	12.59	202	3519	0.293	ng	# 87
77) Benzidine	12.95	184	8089	1.620	ng	# 97
78) Pyrene	12.82	202	3827	0.305	ng	# 89
80) Butylbenzylphthalate	13.44	149	447	0.074	ng	# 2
81) Benzo(a)anthracene	14.00	228	2699	0.253	ng	# 44

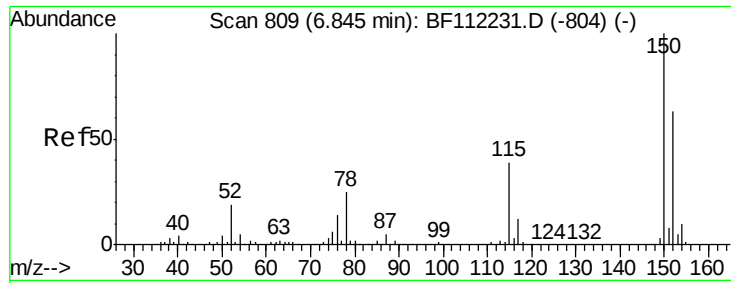
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
Data File : BF112552.D
Acq On : 13 Feb 2019 21:30
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QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	13.96	252	261	0.065	ng	# 57
83) Chrysene	14.04	228	2863	0.281	ng	# 68
84) Bis(2-ethylhexyl)phthalate	13.97	149	3732	0.433	ng	# 90
85) Di-n-octyl phthalate	14.59	149	539	0.041	ng	# 44
86) Indeno(1,2,3-cd)pyrene	16.96	276	399	0.049	ng	# 23
88) Benzo(b)fluoranthene	15.07	252	3592	0.488	ng	# 1
89) Benzo(k)fluoranthene	15.07	252	3592	0.510	ng	# 1
90) Benzo(a)pyrene	15.43	252	1082	0.163	ng	# 1
91) Dibenzo(a,h)anthracene	16.99	278	1000	0.187	ng	# 1
92) Benzo(g,h,i)perylene	17.43	276	171	0.034	ng	# 1

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampled :

SB-6

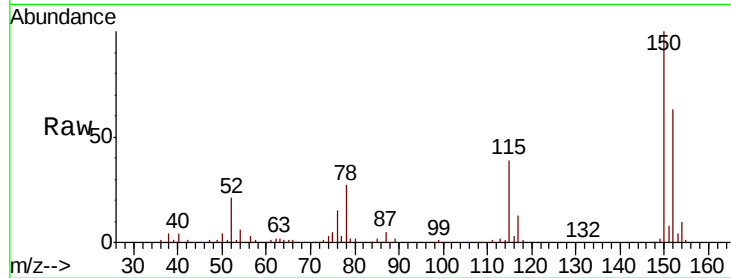
Tgt Ion:152 Resp: 90428

Ion Ratio Lower Upper

152 100

150 159.5 127.4 191.0

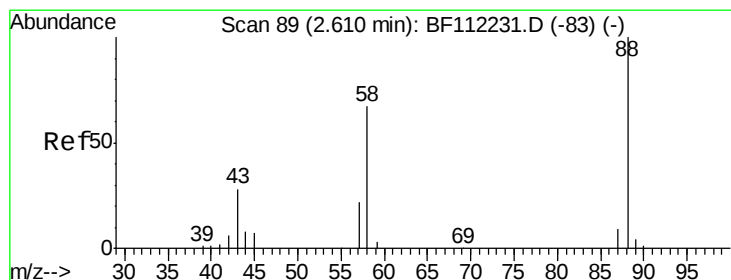
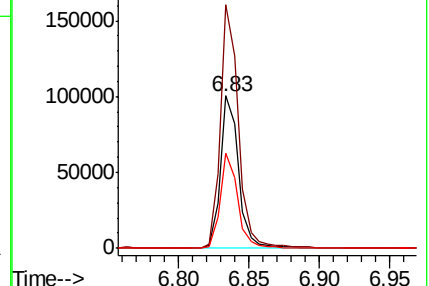
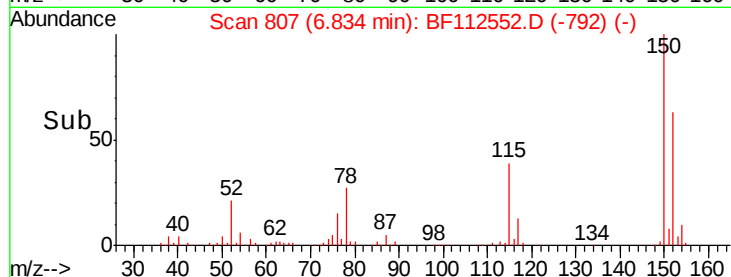
115 62.1 45.5 68.3



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



#2

1,4-Dioxane

Concen: 0.075 ng

RT: 2.32 min Scan# 40

Delta R.T. -0.29 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

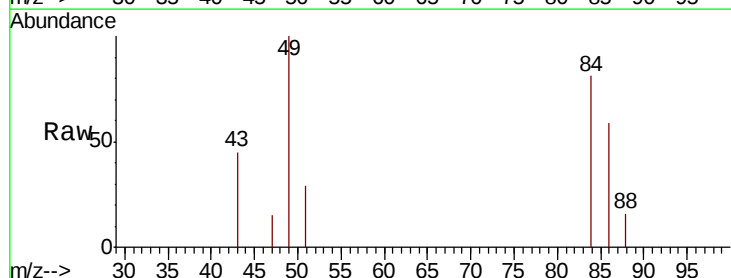
Tgt Ion: 88 Resp: 128

Ion Ratio Lower Upper

88 100

58 0.0 57.4 86.2#

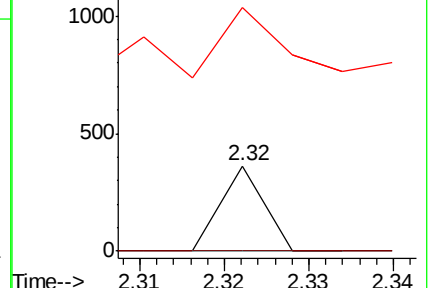
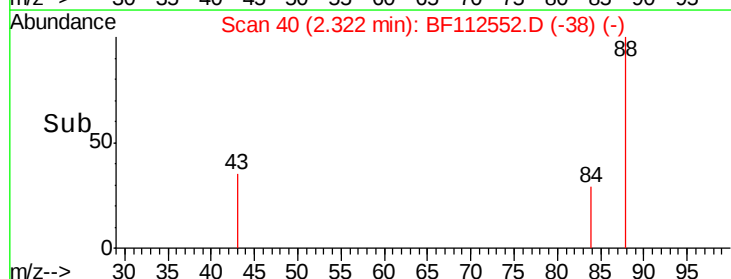
43 0.0 22.2 33.4#

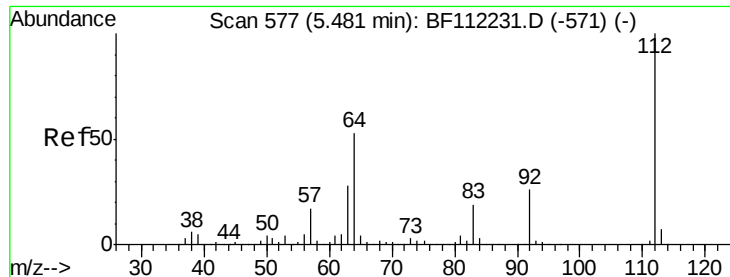


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 118.129 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

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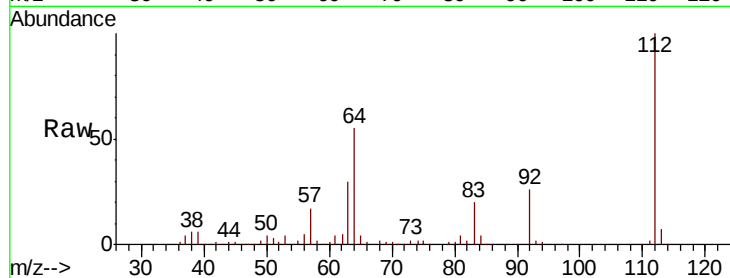
Tgt Ion: 112 Resp: 502910

Ion Ratio Lower Upper

112 100

64 54.8 45.7 68.5

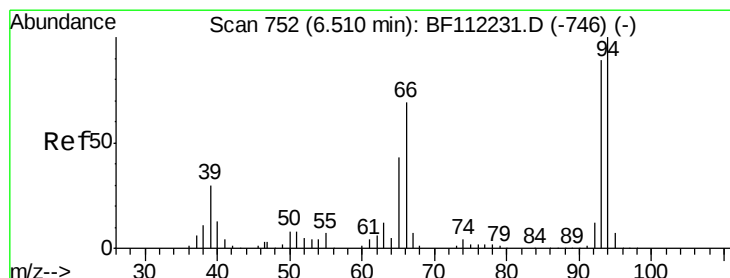
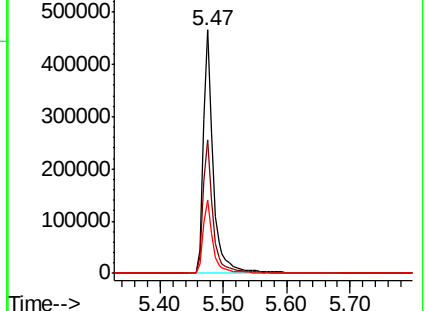
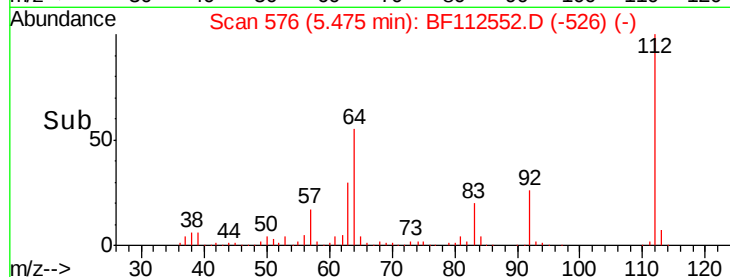
63 30.2 23.6 35.4



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



#6

Aniline

Concen: 0.019 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

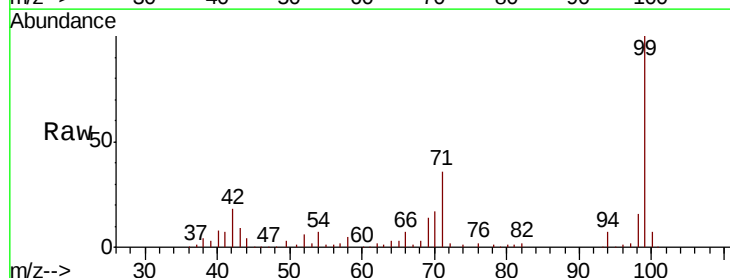
Tgt Ion: 93 Resp: 135

Ion Ratio Lower Upper

93 100

66 2280.2 43.4 65.2#

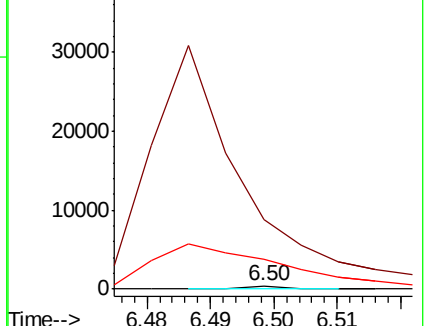
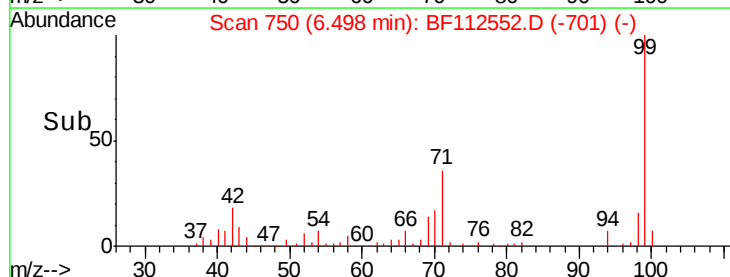
65 997.9 25.3 37.9#

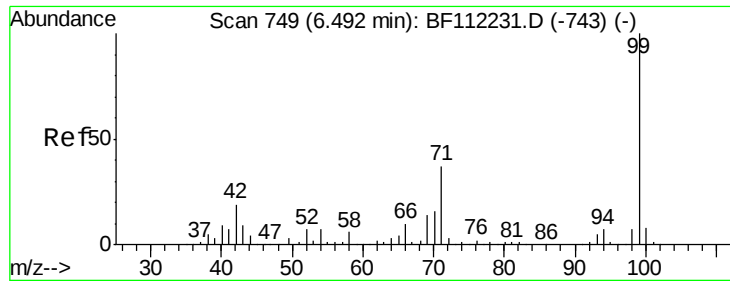


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 104.360 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

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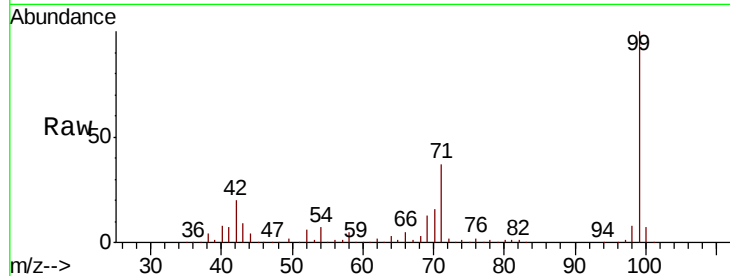
Tgt Ion: 99 Resp: 617369

Ion Ratio Lower Upper

99 100

42 19.5 15.1 22.7

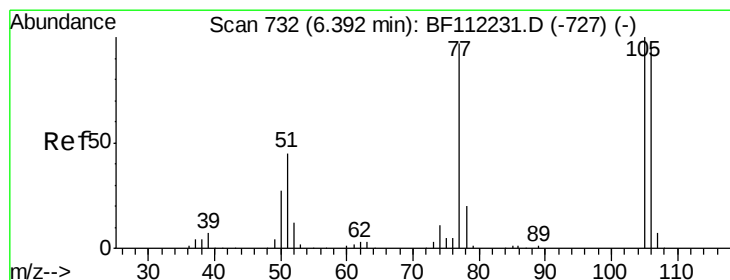
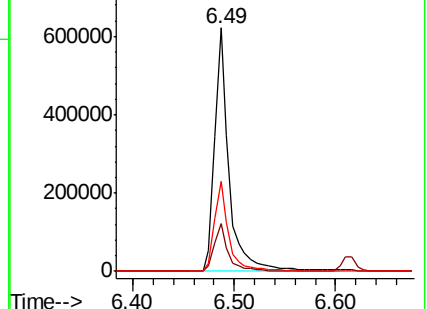
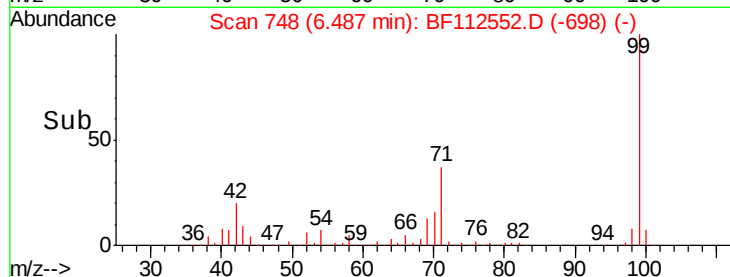
71 37.1 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 0.278 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.09 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

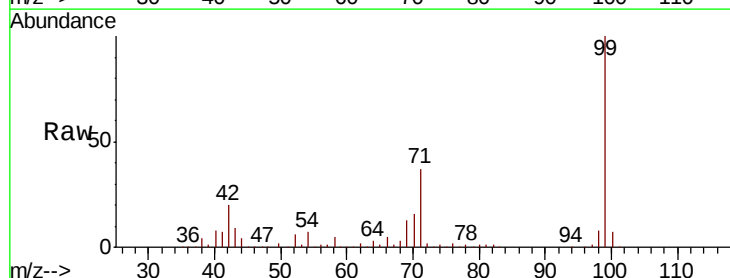
Tgt Ion: 77 Resp: 861

Ion Ratio Lower Upper

77 100

105 0.0 80.8 120.8#

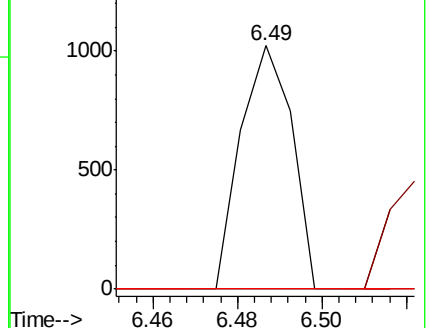
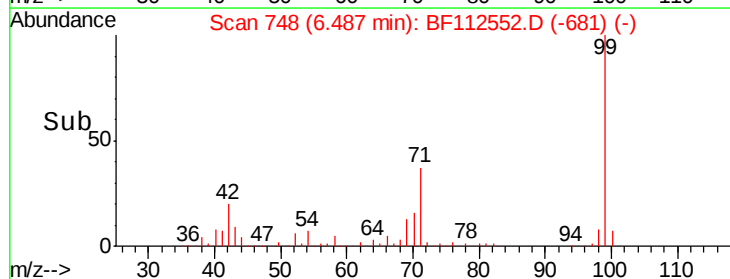
106 0.0 75.7 115.7#

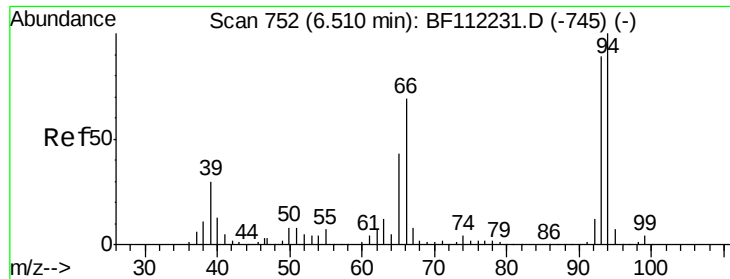


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.450 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

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ClientSampleId :

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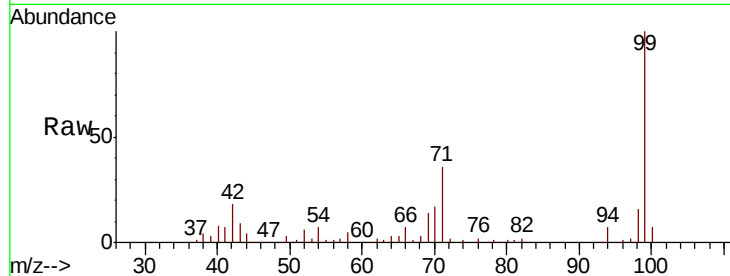
Tgt Ion: 94 Resp: 9408

Ion Ratio Lower Upper

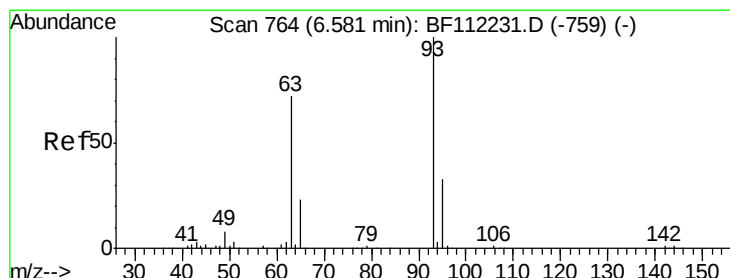
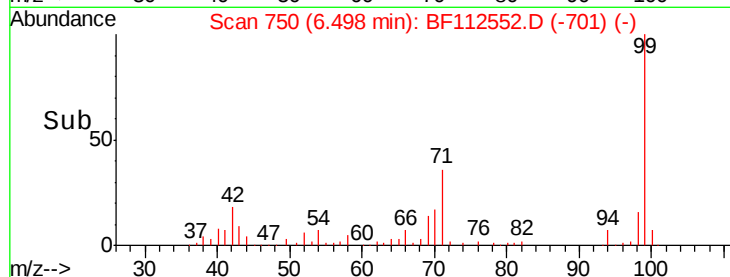
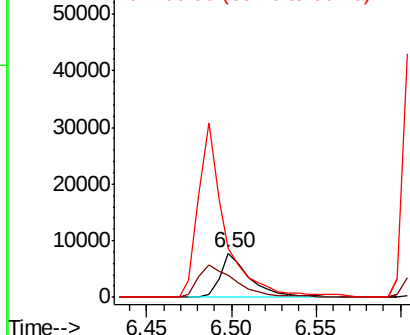
94 100

65 48.9 20.3 60.3

66 111.8 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



#11

bis(2-Chloroethyl)ether

Concen: 0.140 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.04 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

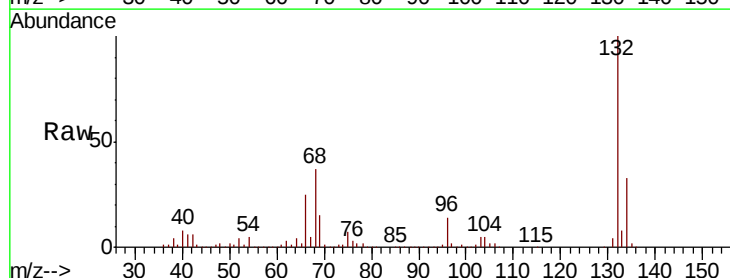
Tgt Ion: 93 Resp: 716

Ion Ratio Lower Upper

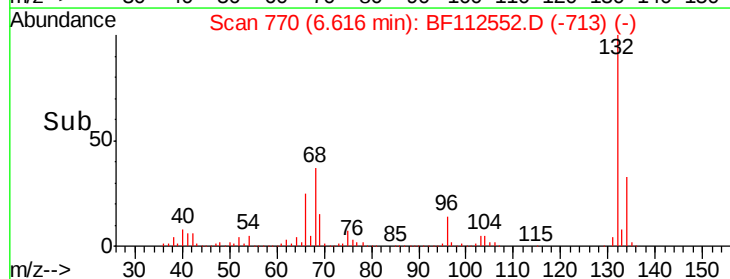
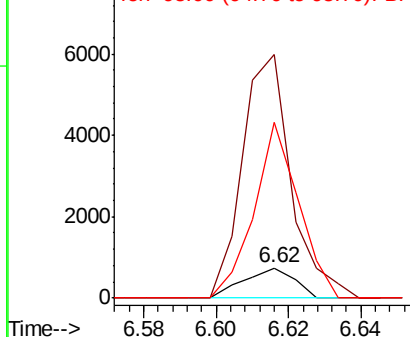
93 100

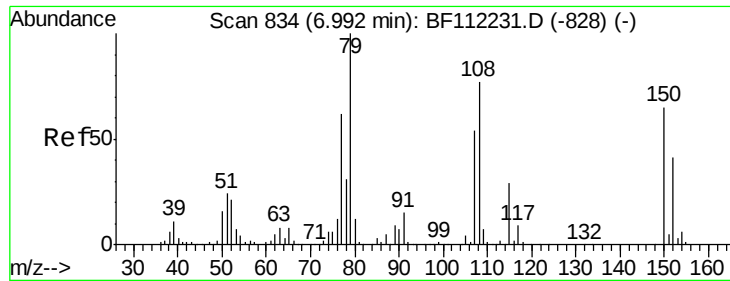
63 812.2 53.3 93.3#

95 585.6 13.4 53.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1





#15

Benzyl Alcohol

Concen: 1.310 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampled :

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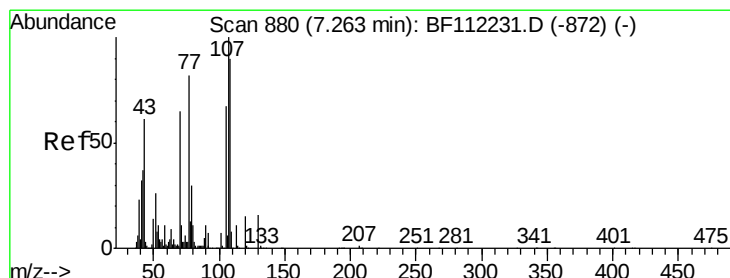
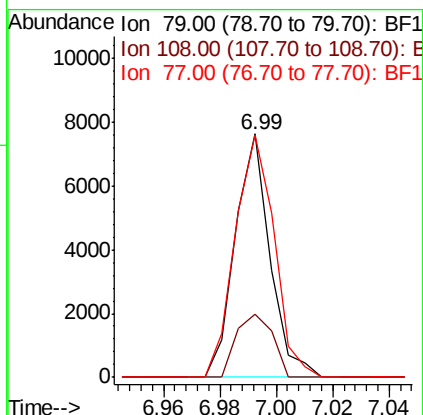
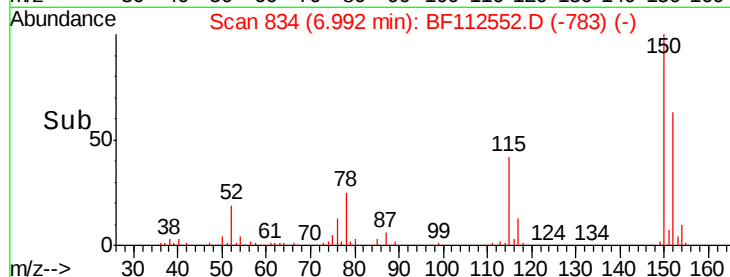
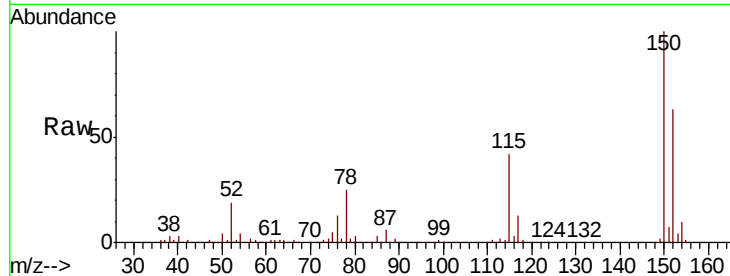
Tgt Ion: 79 Resp: 6531

Ion Ratio Lower Upper

79 100

108 26.1 64.2 96.2#

77 99.5 50.3 75.5#



#19

n-Nitroso-di-n-propylamine

Concen: 11.711 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Tgt Ion: 70 Resp: 47769

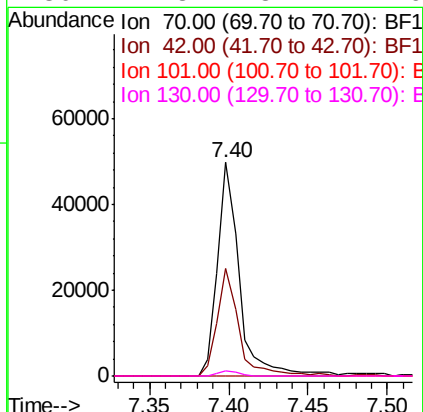
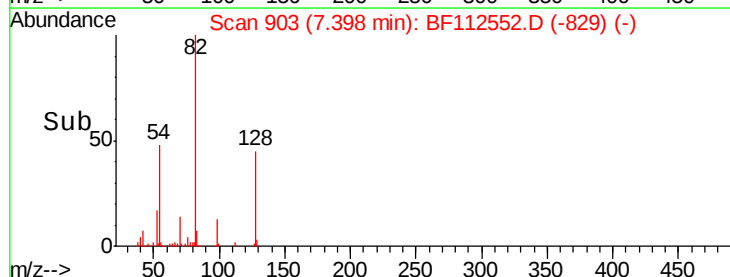
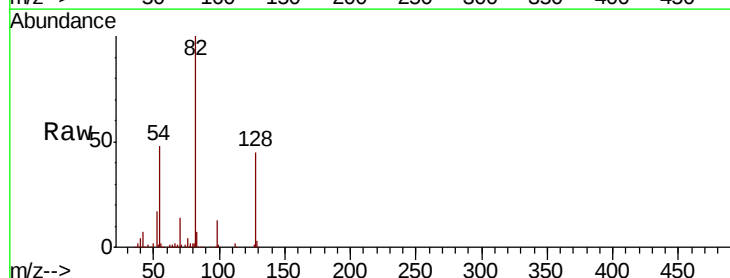
Ion Ratio Lower Upper

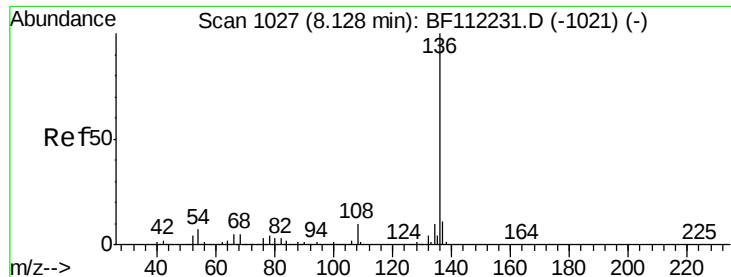
70 100

42 50.2 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

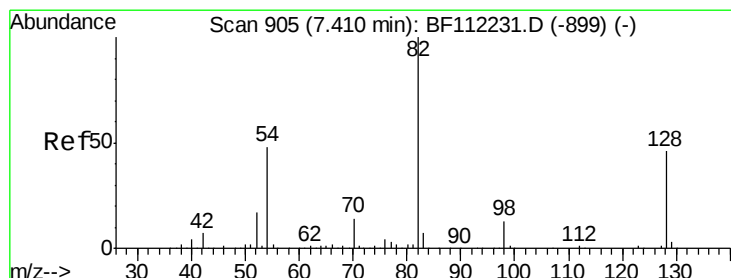
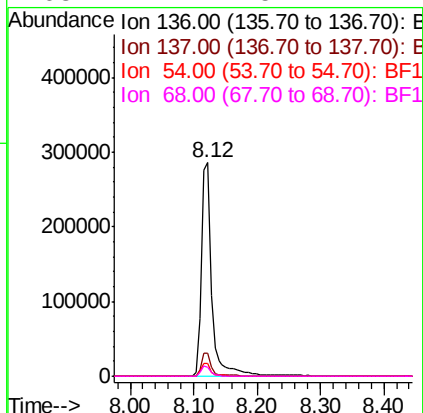
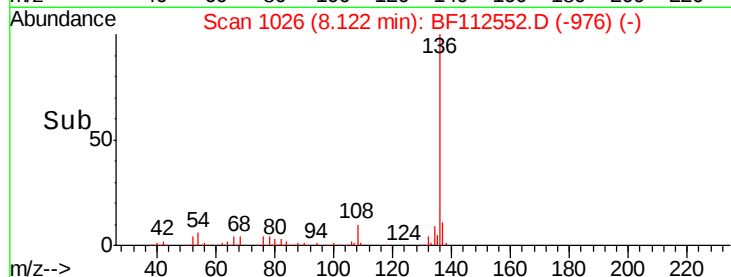
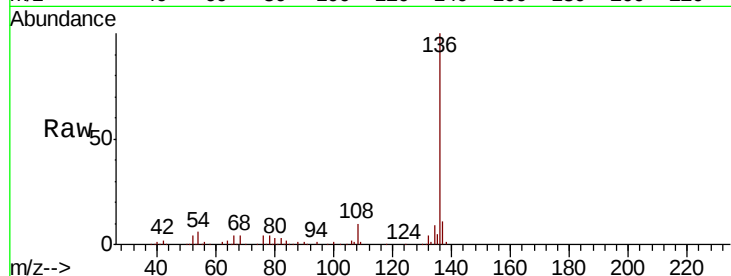




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

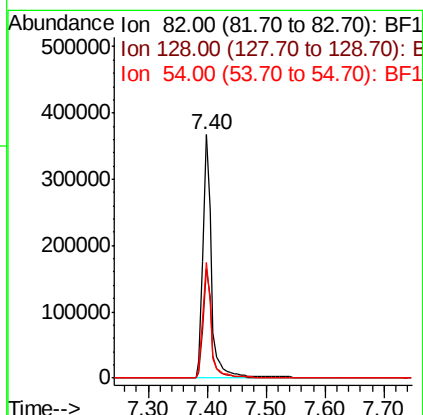
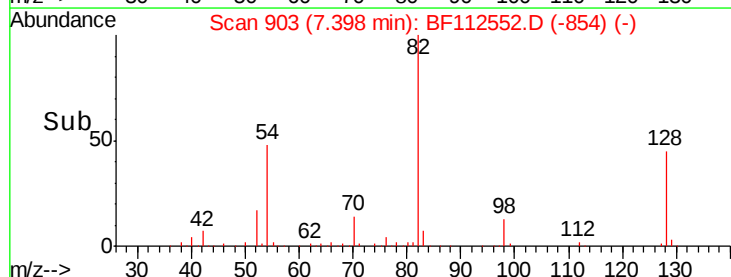
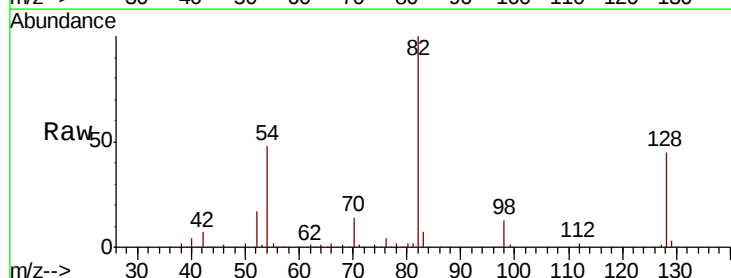
Instrument :
BNA_F
ClientSampleId :
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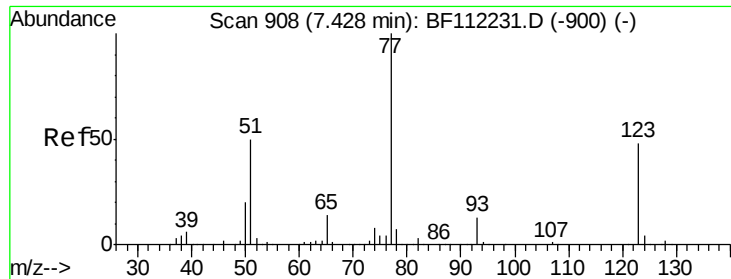
Tgt Ion:	136	Resp:	324904
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.8	5.9	8.9#
68	4.1	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 65.371 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion:	82	Resp:	368613
Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.8	56.8
54	47.7	39.7	59.5





#24

Nitrobenzene

Concen: 0.188 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampled :

SB-6

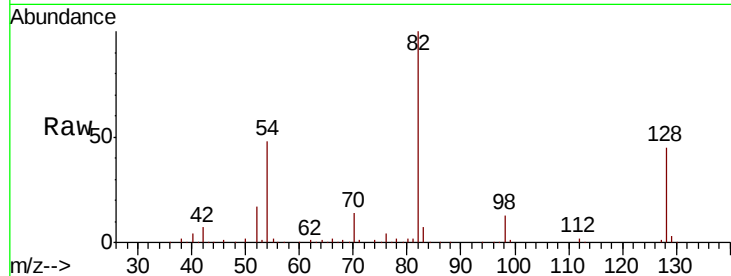
Tgt Ion: 77 Resp: 1061

Ion Ratio Lower Upper

77 100

123 0.0 38.4 57.6#

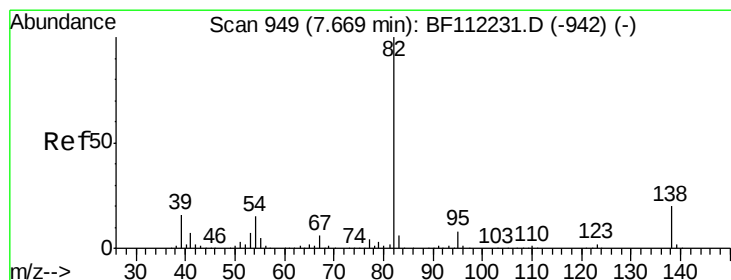
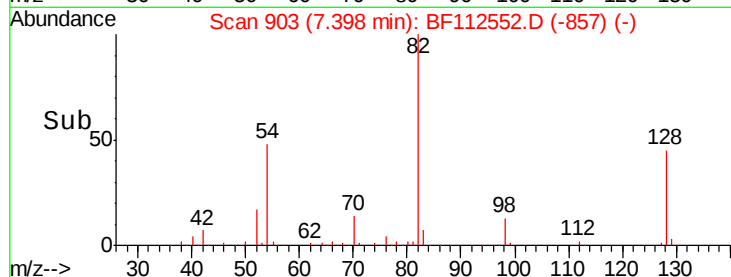
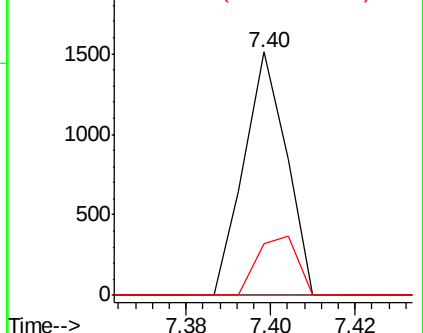
65 21.1 10.6 15.8#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#25

Isophorone

Concen: 41.670 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

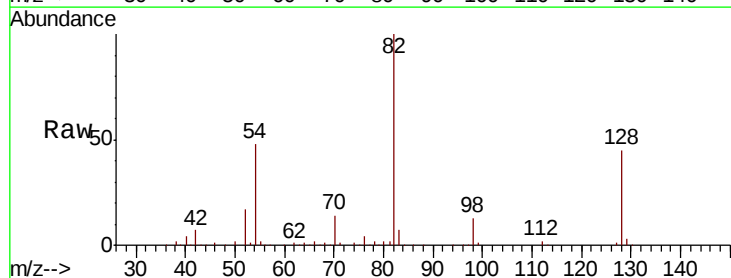
Tgt Ion: 82 Resp: 368611

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

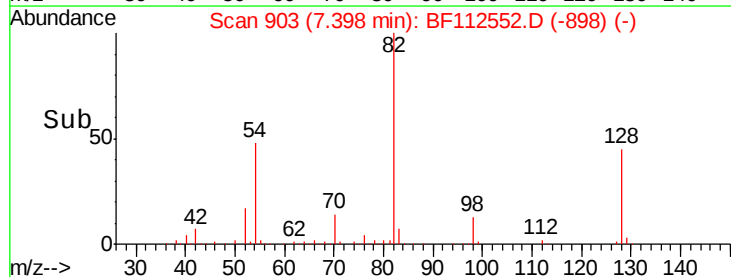
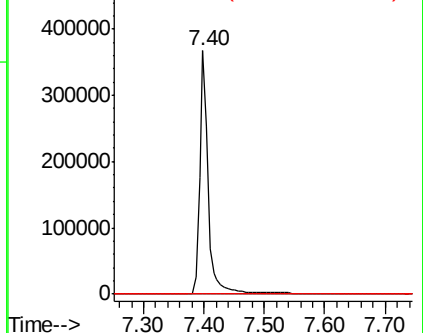
138 0.0 15.4 23.0#

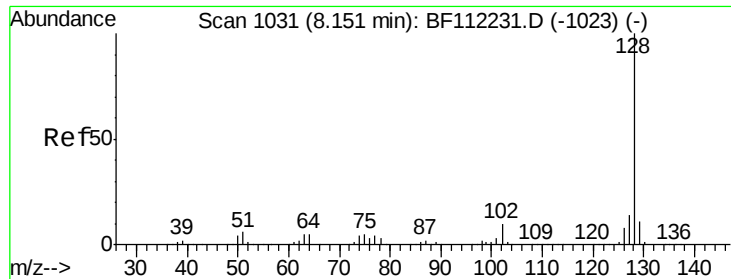


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

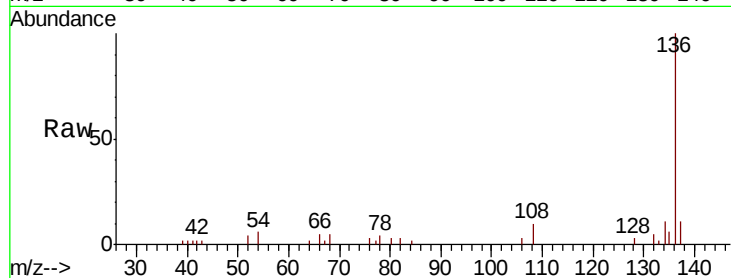




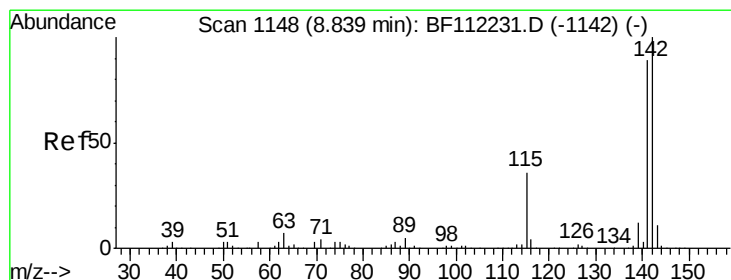
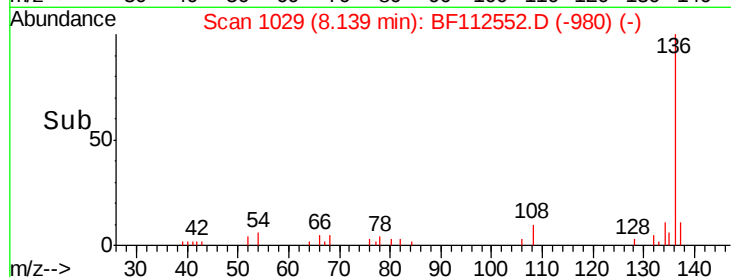
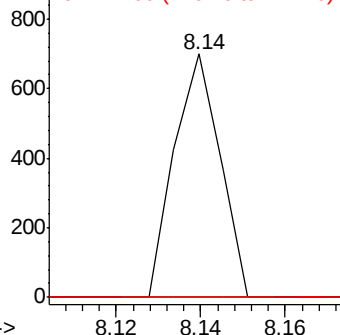
#31
Naphthalene
Concen: 0.035 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion:128 Resp: 527
Ion Ratio Lower Upper
128 100
129 0.0 9.6 14.4#
127 0.0 11.1 16.7#

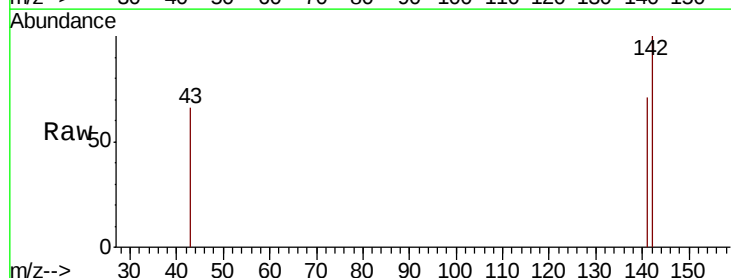


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

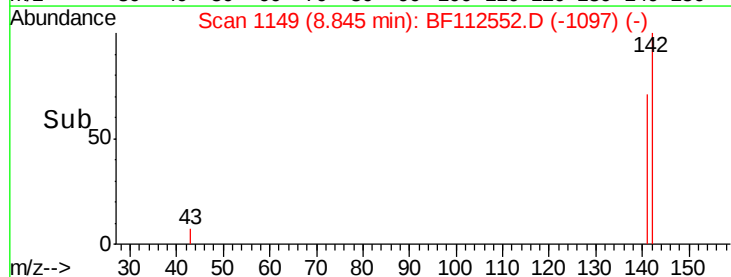
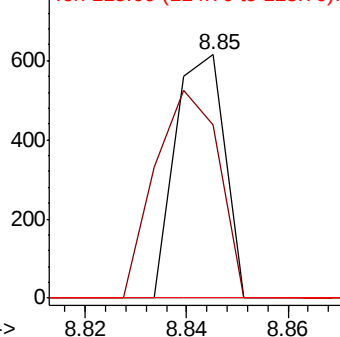


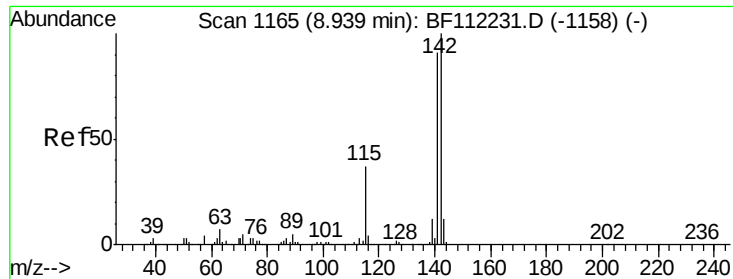
#37
2-Methylnaphthalene
Concen: 0.040 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion:142 Resp: 415
Ion Ratio Lower Upper
142 100
141 71.1 70.9 106.3
115 0.0 24.9 37.3#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

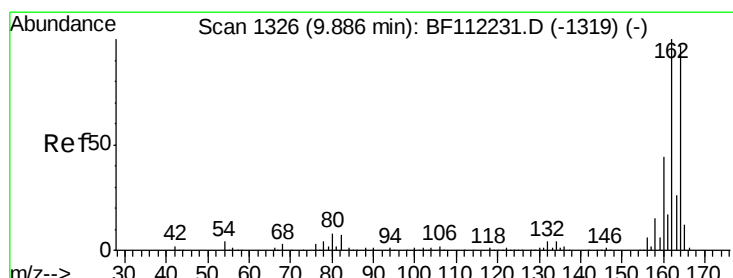
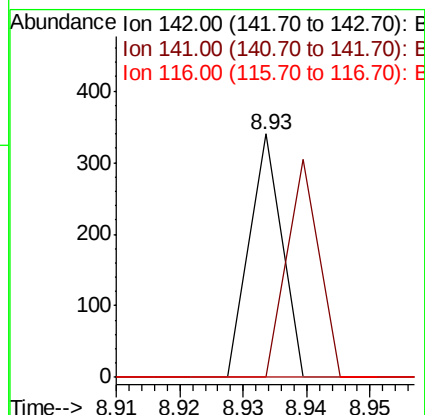
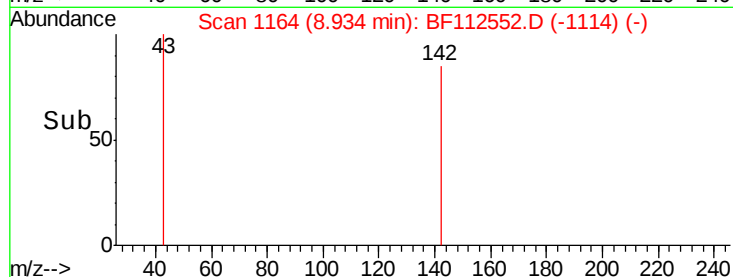
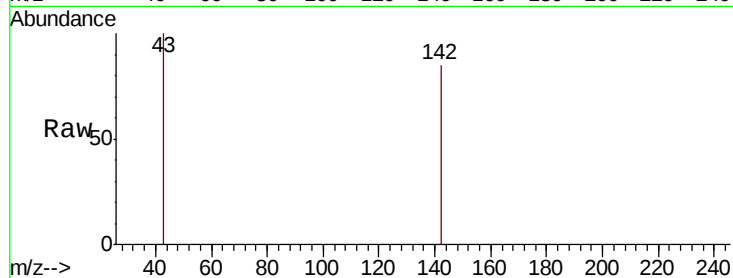




#38
1-Methylnaphthalene
Concen: 0.012 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

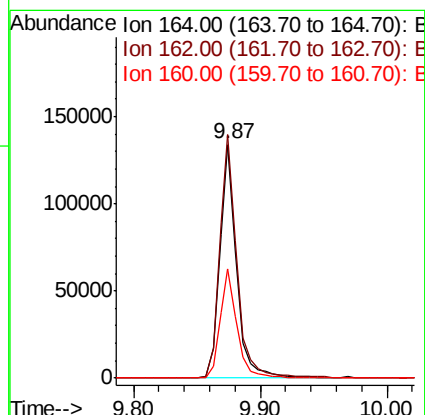
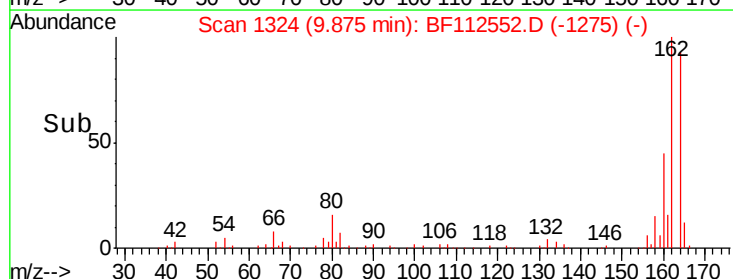
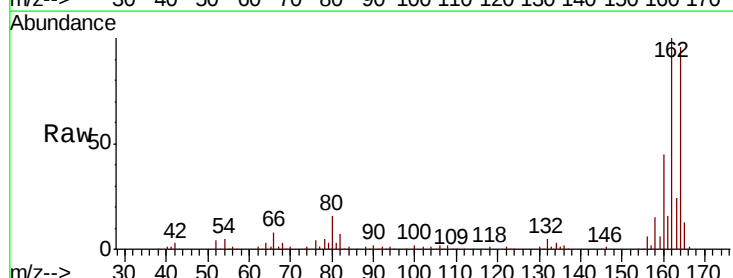
Instrument :
BNA_F
ClientSampleId :
SB-6

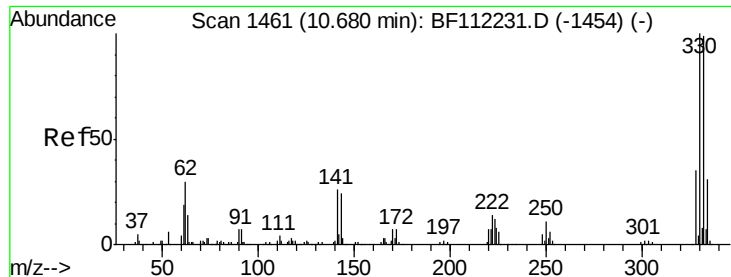
Tgt Ion:142 Resp: 120
Ion Ratio Lower Upper
142 100
141 0.0 72.6 108.8#
116 0.0 2.8 4.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion:164 Resp: 124946
Ion Ratio Lower Upper
164 100
162 104.1 82.2 123.4
160 46.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 83.535 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

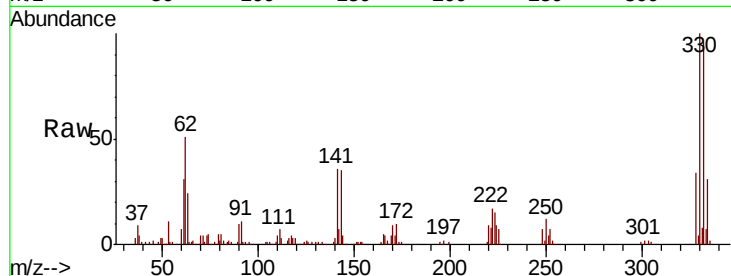
Tgt Ion:330 Resp: 121488

Ion Ratio Lower Upper

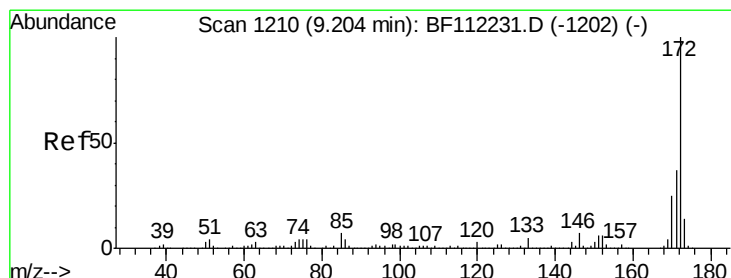
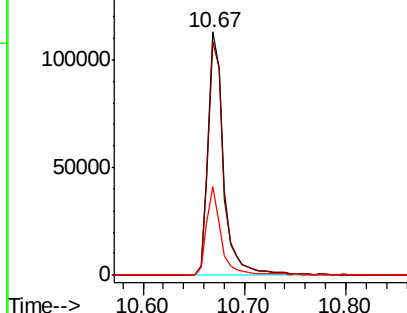
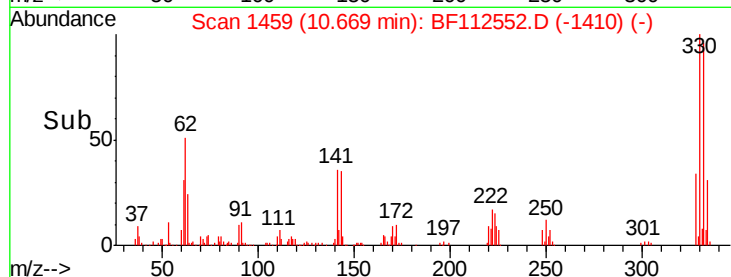
330 100

332 96.5 76.6 114.8

141 34.3 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 70.100 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

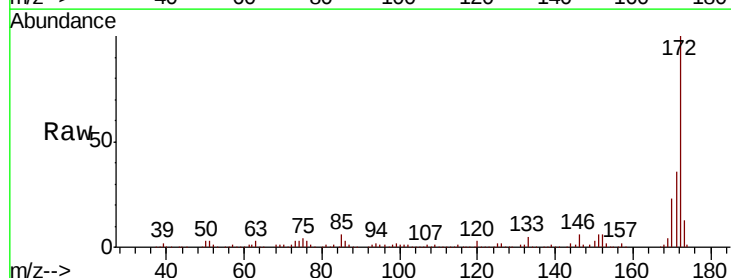
Tgt Ion:172 Resp: 619278

Ion Ratio Lower Upper

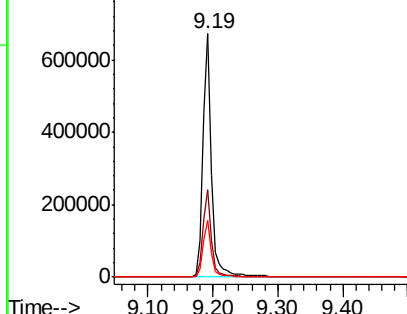
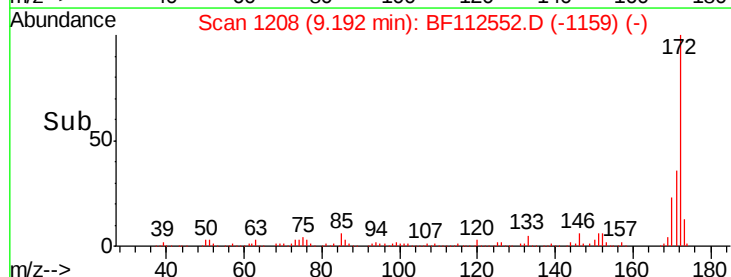
172 100

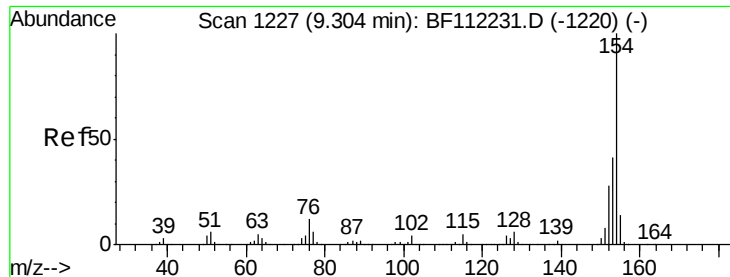
171 35.8 30.5 45.7

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

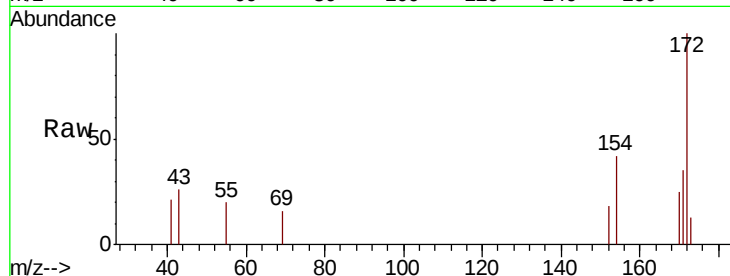




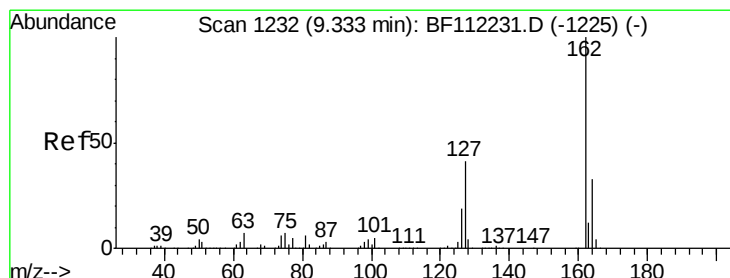
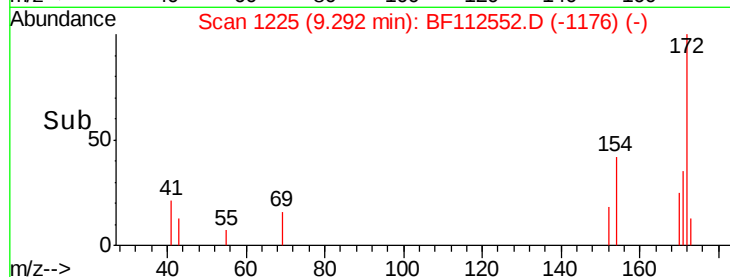
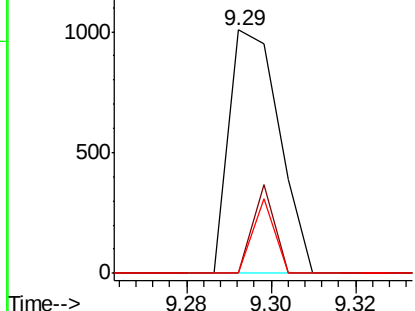
#46
 1,1'-Biphenyl
 Concen: 0.076 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

Instrument :
 BNA_F
 ClientSampled :
 SB-6

Tgt Ion:154 Resp: 828
 Ion Ratio Lower Upper
 154 100
 153 0.0 21.5 61.5#
 76 0.0 0.0 33.1

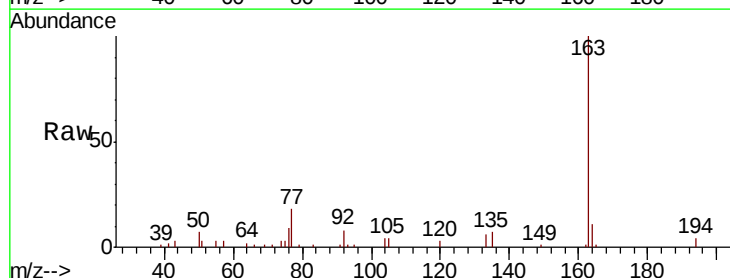


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

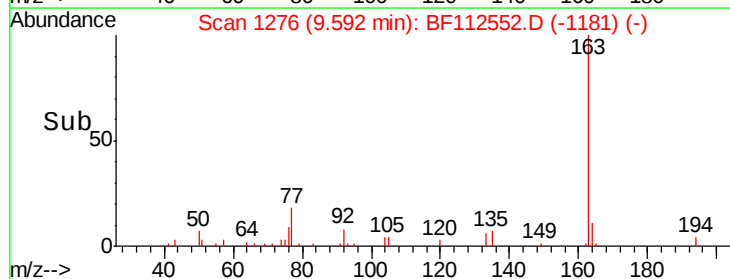
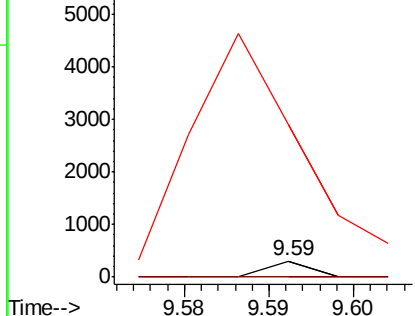


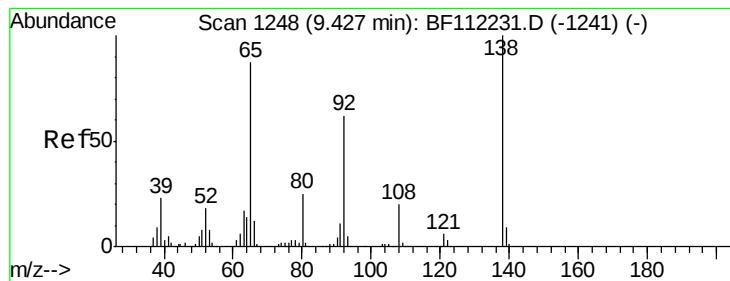
#47
 2-Chloronaphthalene
 Concen: 0.013 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. 0.26 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

Tgt Ion:162 Resp: 110
 Ion Ratio Lower Upper
 162 100
 127 0.0 30.4 45.6#
 164 932.8 27.4 41.2#



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: 0.120 ng

RT: 9.58 min Scan# 1274

Delta R.T. 0.15 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

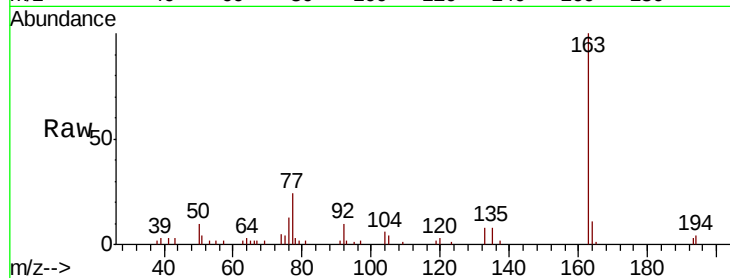
Tgt Ion: 65 Resp: 278

Ion Ratio Lower Upper

65 100

92 592.3 60.4 90.6#

138 0.0 104.4 156.6#

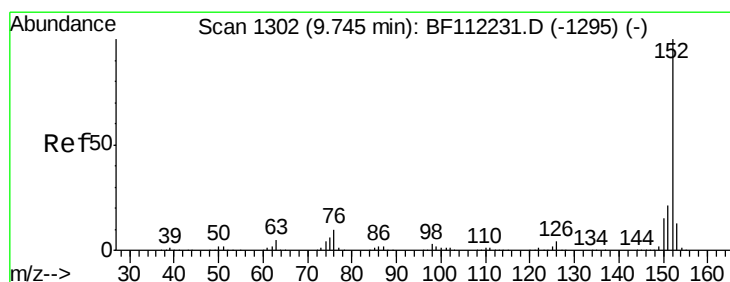
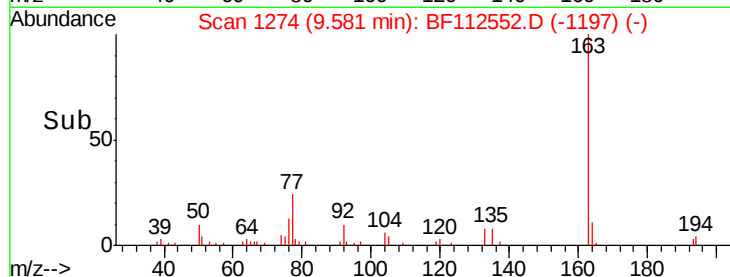
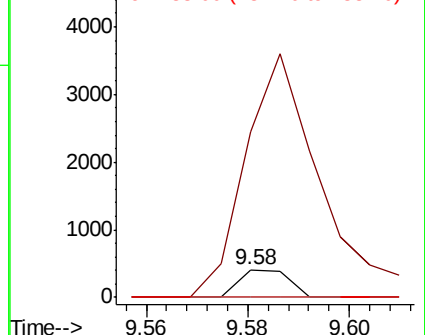


Abundance

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): BF1



#49

Acenaphthylene

Concen: 0.031 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

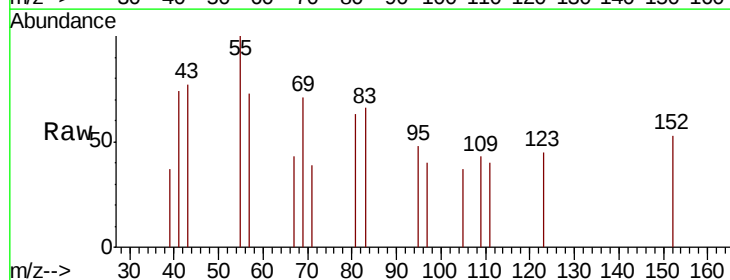
Tgt Ion: 152 Resp: 381

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.6#

153 0.0 11.2 16.8#

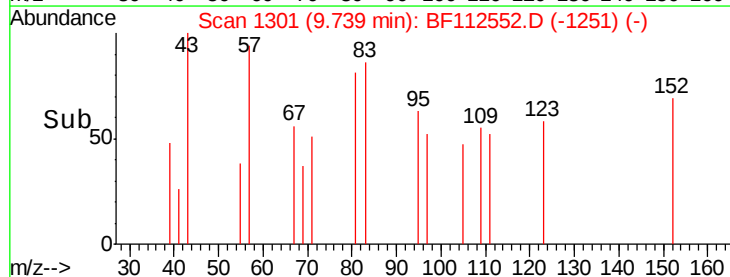
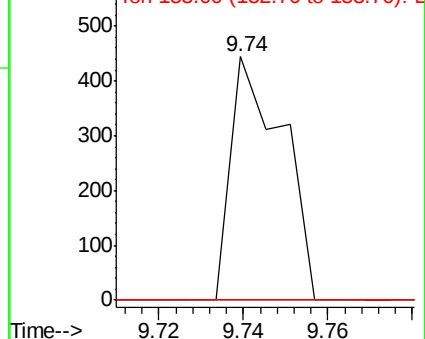


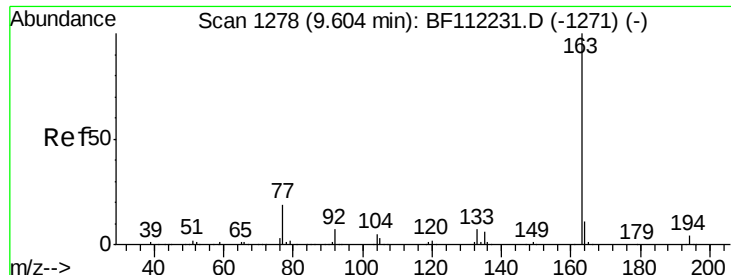
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

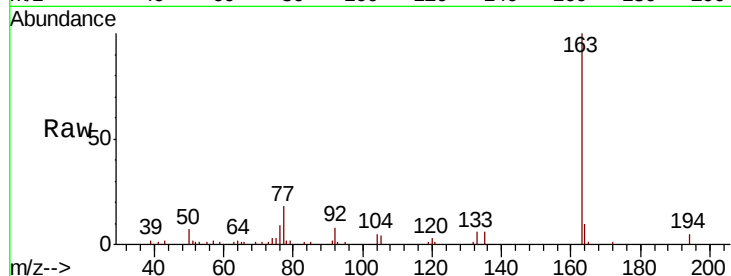




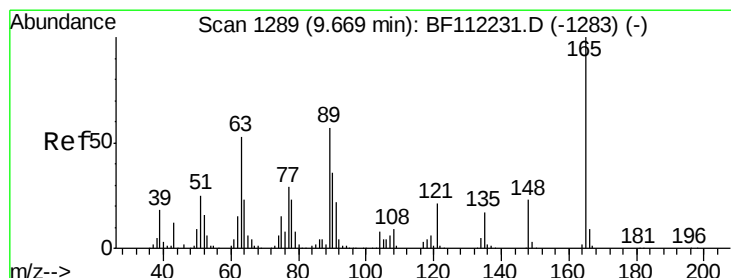
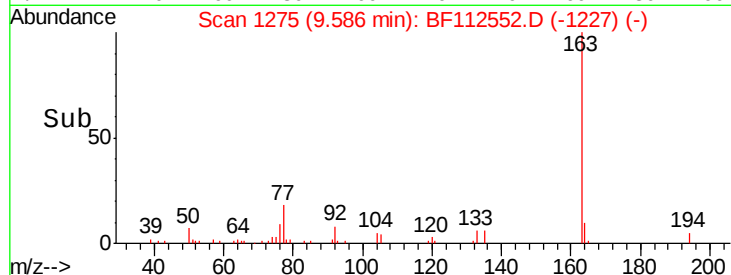
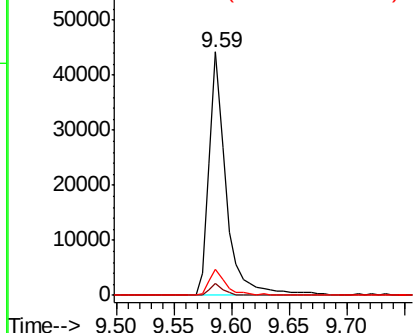
#50
Dimethylphthalate
Concen: 4.718 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion:163 Resp: 45804
Ion Ratio Lower Upper
163 100
194 4.9 3.3 4.9
164 10.5 8.5 12.7

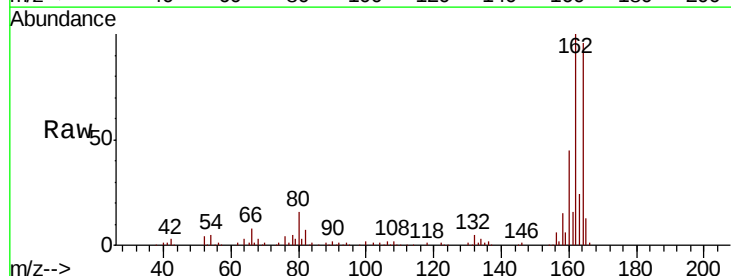


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

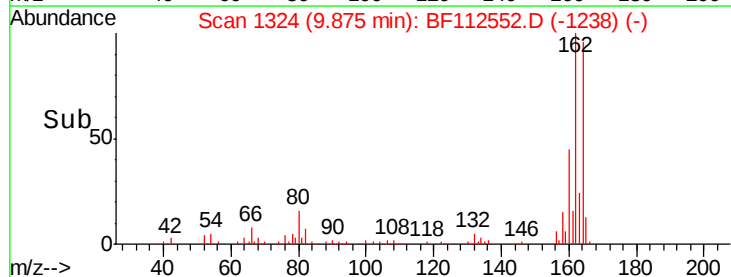
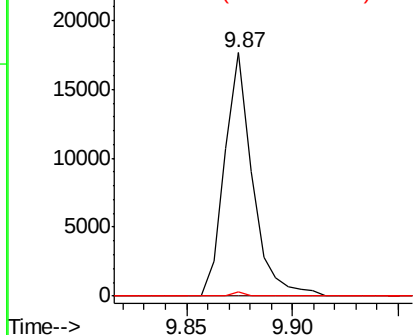


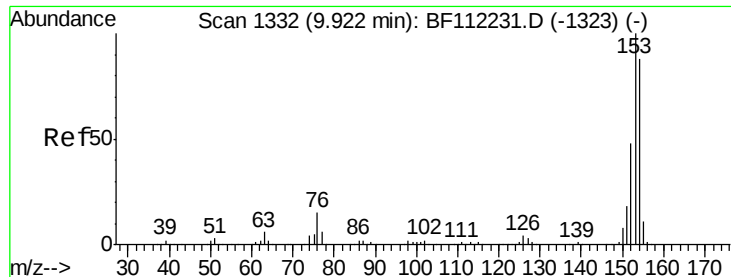
#51
2,6-Dinitrotoluene
Concen: 7.403 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion:165 Resp: 16095
Ion Ratio Lower Upper
165 100
63 0.0 33.8 50.8#
89 1.7 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 0.048 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.05 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

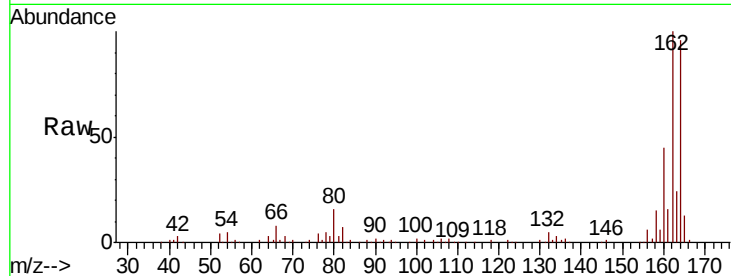
Tgt Ion:154 Resp: 358

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.6#

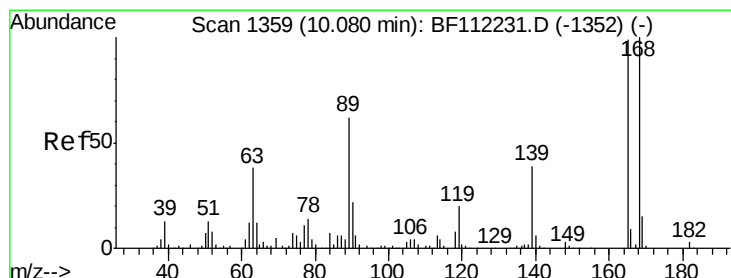
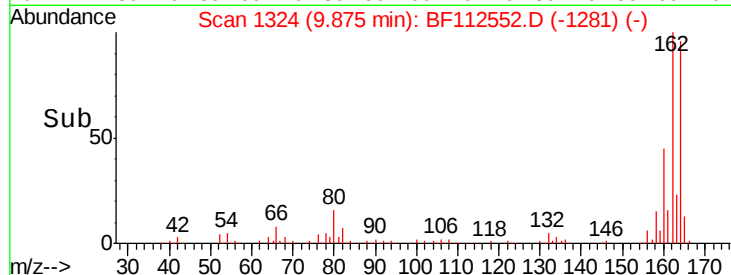
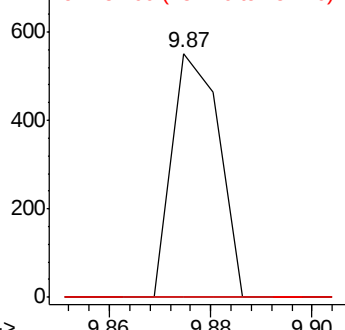
152 0.0 43.5 65.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.815 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Tgt Ion:165 Resp: 16095

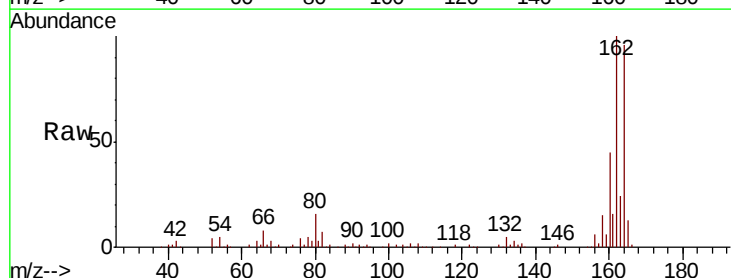
Ion Ratio Lower Upper

165 100

63 0.0 27.9 41.9#

89 1.7 47.9 71.9#

182 0.0 2.2 3.4#

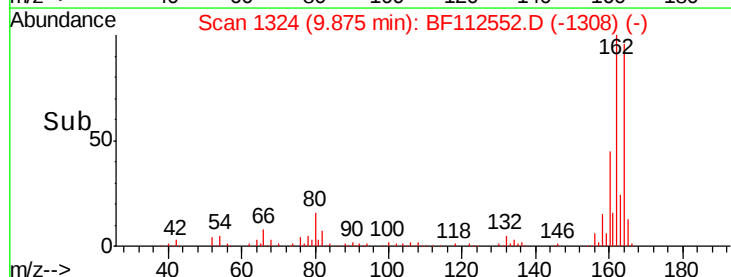
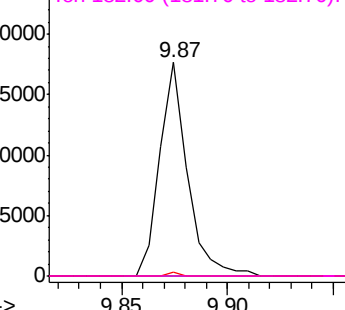


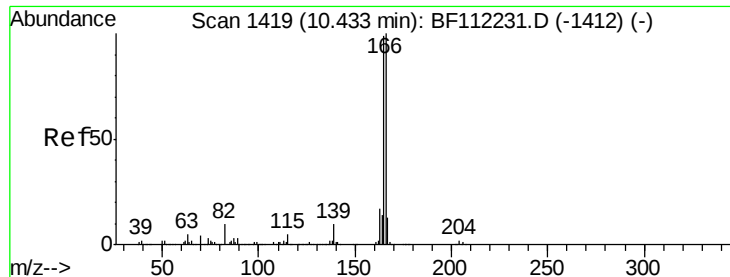
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 0.563 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.24 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

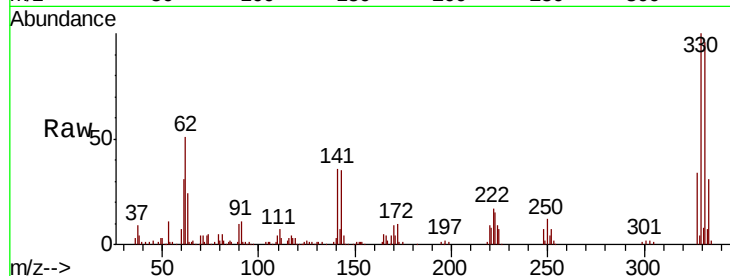
Tgt Ion:166 Resp: 4776

Ion Ratio Lower Upper

166 100

165 117.8 77.1 115.7#

167 41.8 11.3 16.9#

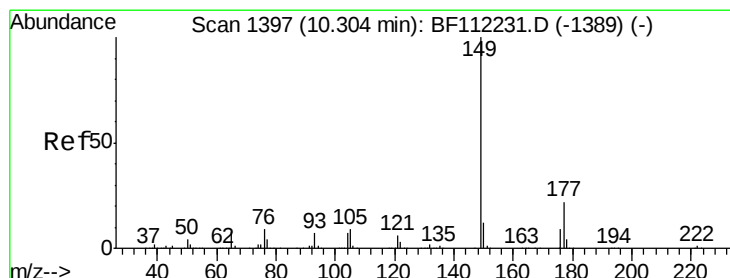
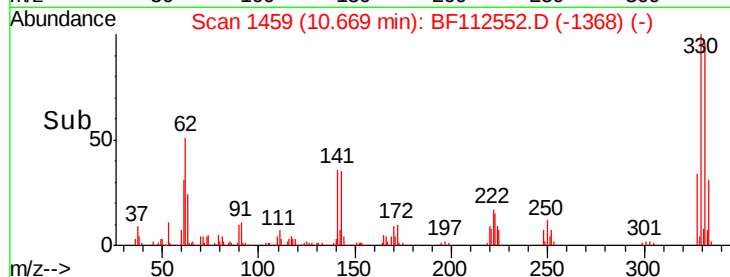
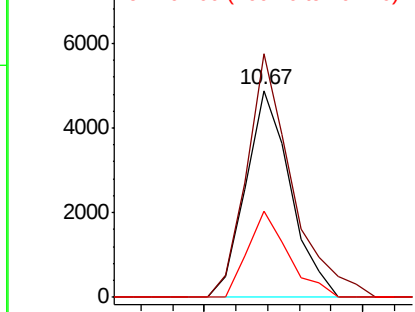


Abundance

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: 0.067 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

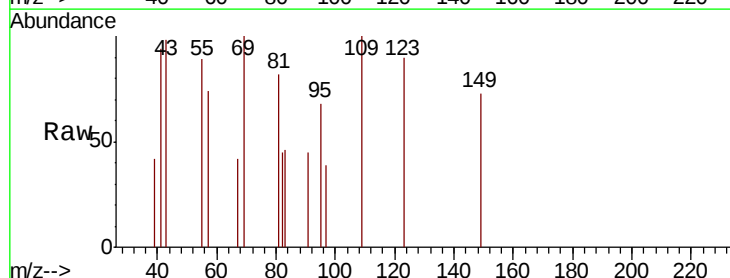
Tgt Ion:149 Resp: 642

Ion Ratio Lower Upper

149 100

177 0.0 18.2 27.2#

150 0.0 10.4 15.6#

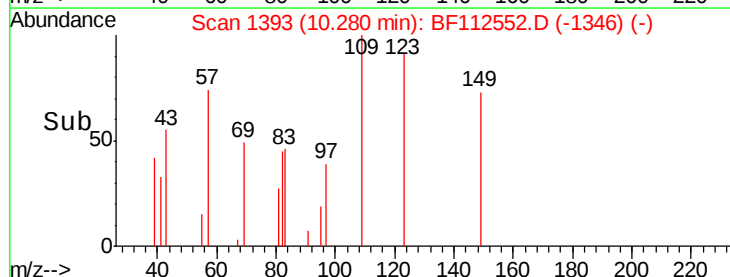
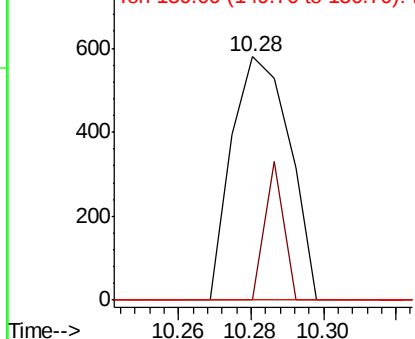


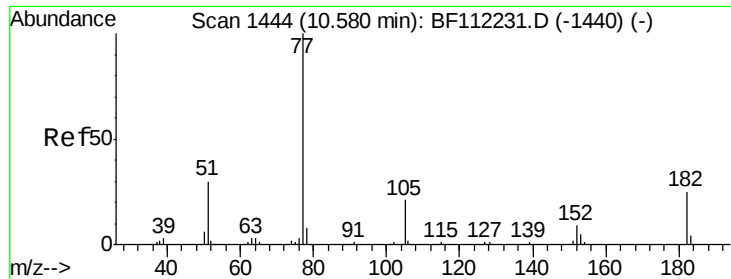
Abundance

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: 0.013 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.03 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

Tgt Ion: 77 Resp: 108

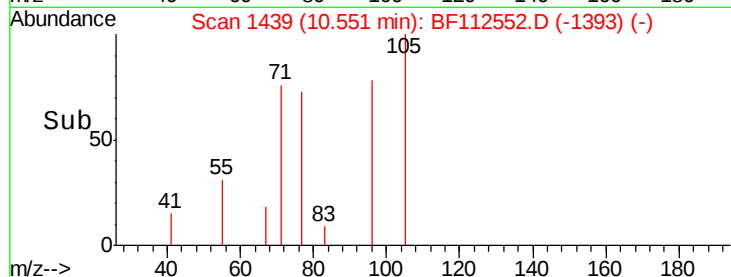
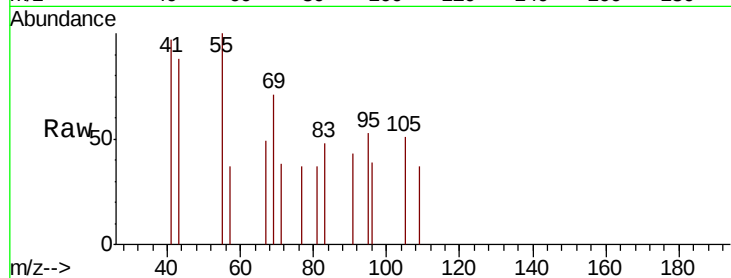
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 137.5 1.4 41.4#

51 0.0 9.5 49.5#

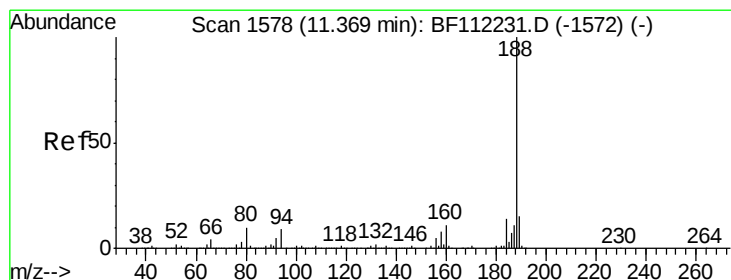
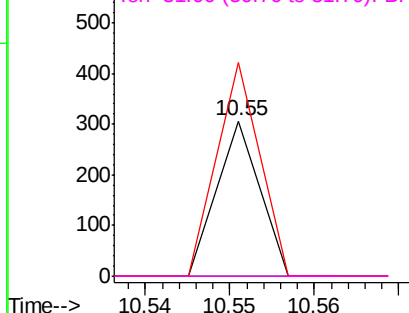


Abundance Ion 77.00 (76.70 to 77.70): BF1

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. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

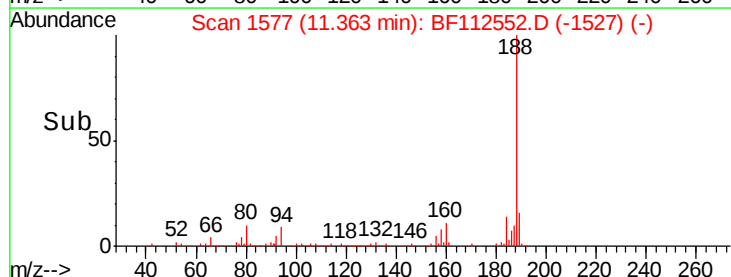
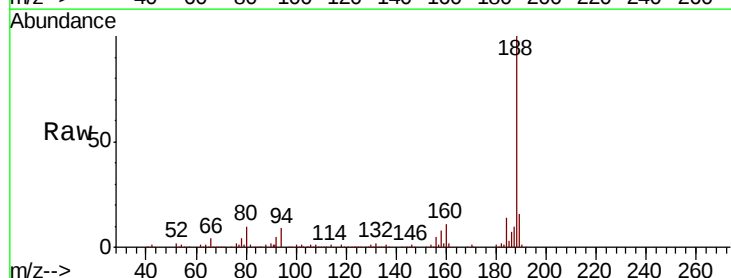
Tgt Ion: 188 Resp: 215608

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

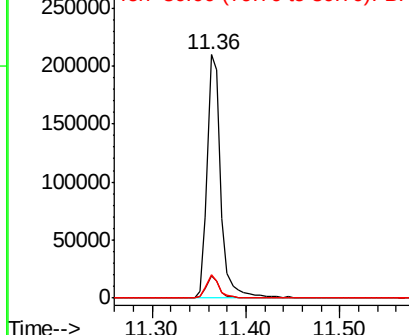
80 9.6 8.9 13.3

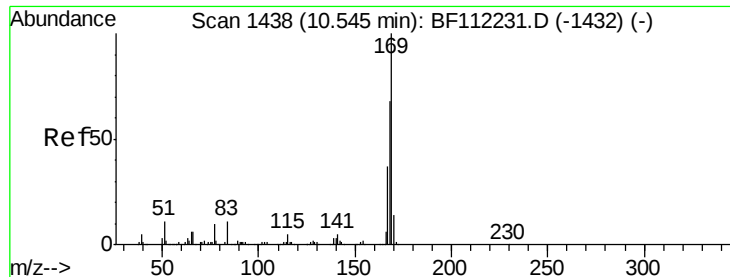


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

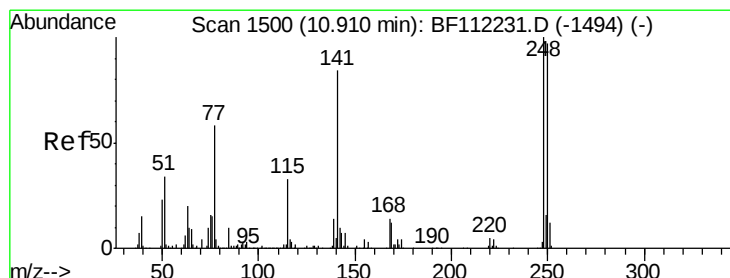
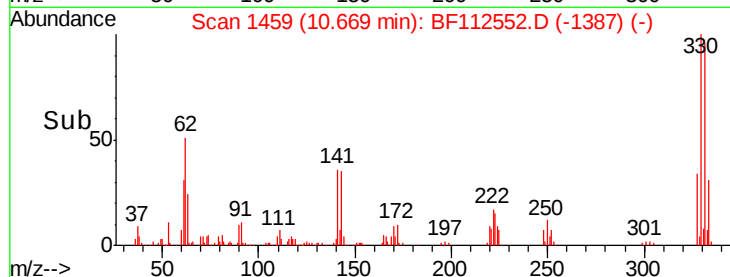
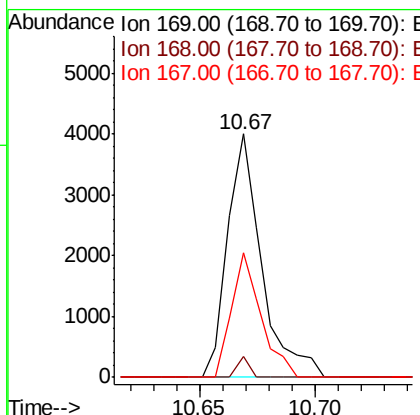
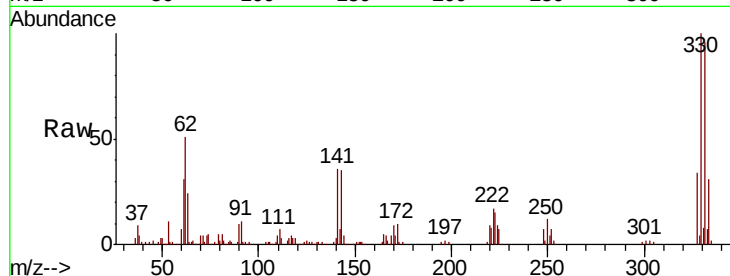




#66
 n-Nitrosodiphenylamine
 Concen: 0.567 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.12 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

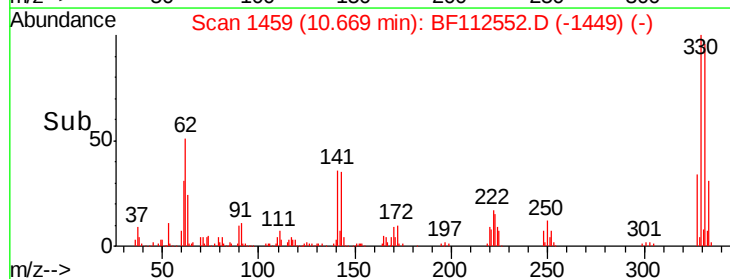
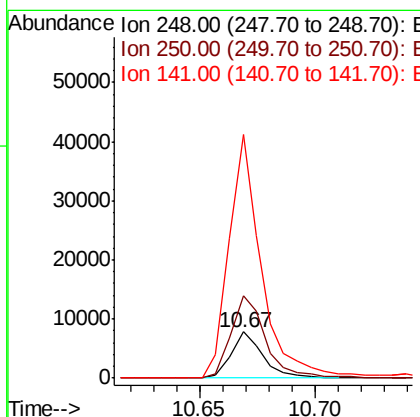
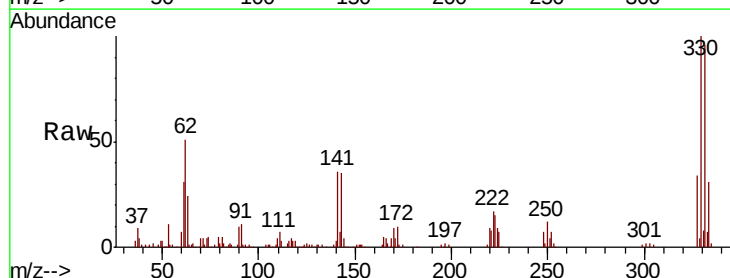
Instrument :
 BNA_F
 ClientSampleId :
 SB-6

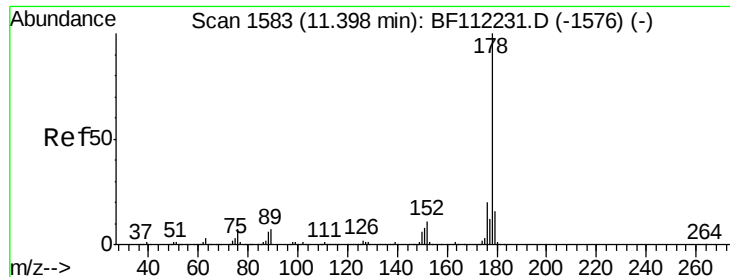
Tgt Ion:169 Resp: 4117
 Ion Ratio Lower Upper
 169 100
 168 8.6 53.9 80.9#
 167 51.0 28.9 43.3#



#67
 4-Bromophenyl-phenylether
 Concen: 2.931 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

Tgt Ion:248 Resp: 7432
 Ion Ratio Lower Upper
 248 100
 250 178.9 79.7 119.5#
 141 526.7 60.3 90.5#

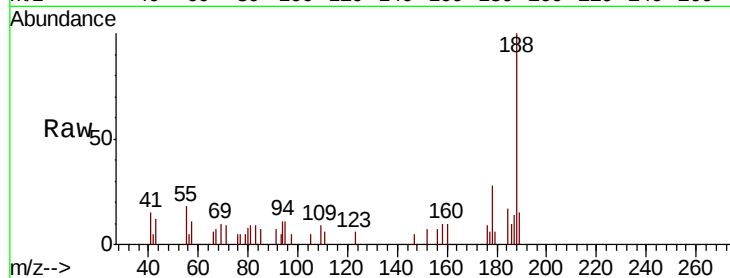




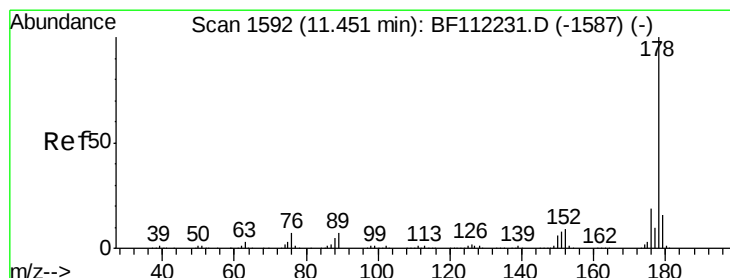
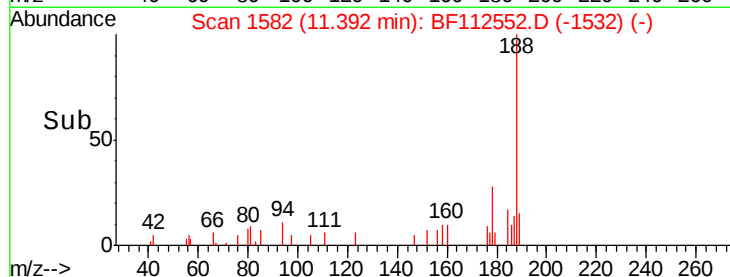
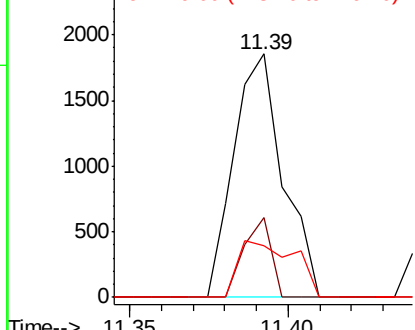
#71
Phenanthrene
Concen: 0.178 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion:178 Resp: 1992
Ion Ratio Lower Upper
178 100
176 32.6 16.3 24.5#
179 21.0 13.0 19.4#

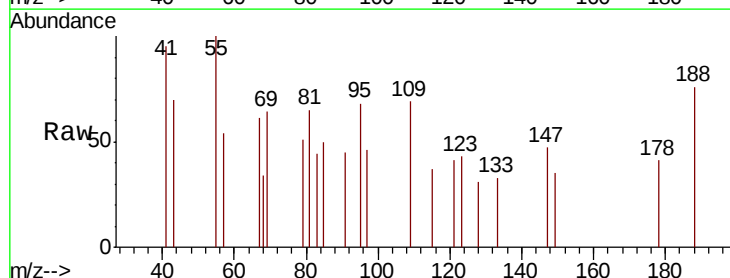


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

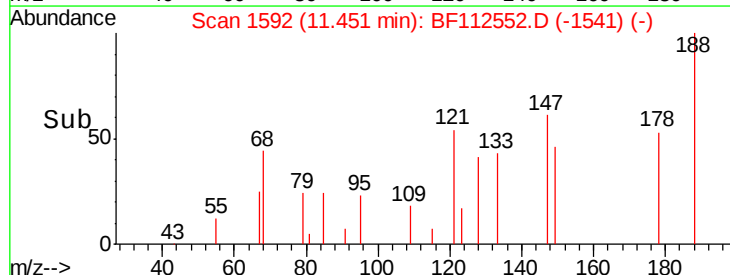
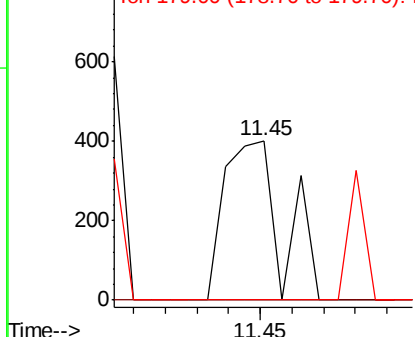


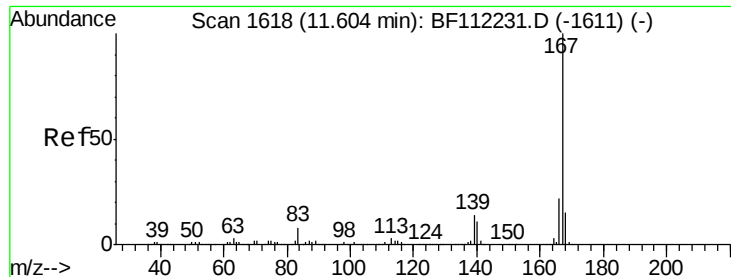
#72
Anthracene
Concen: 0.045 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion:178 Resp: 507
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 12.8 19.2#



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





#73

Carbazole

Concen: 0.049 ng

RT: 11.62 min Scan# 1620

Delta R.T. 0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

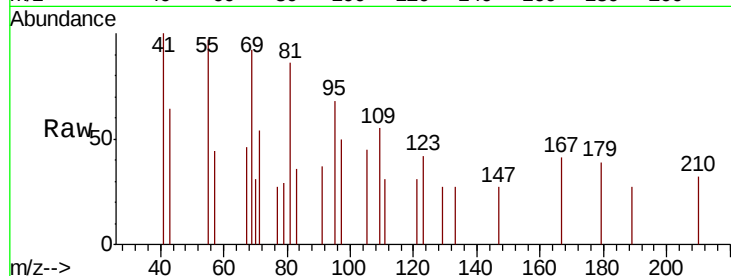
Tgt Ion:167 Resp: 537

Ion Ratio Lower Upper

167 100

166 0.0 17.9 26.9#

139 0.0 10.2 15.2#



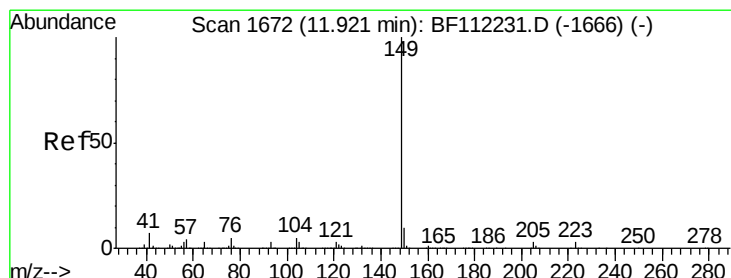
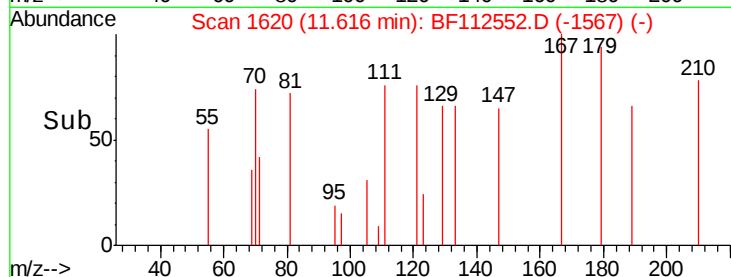
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.62

Time-->



#74

Di-n-butylphthalate

Concen: 0.085 ng

RT: 11.92 min Scan# 1671

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

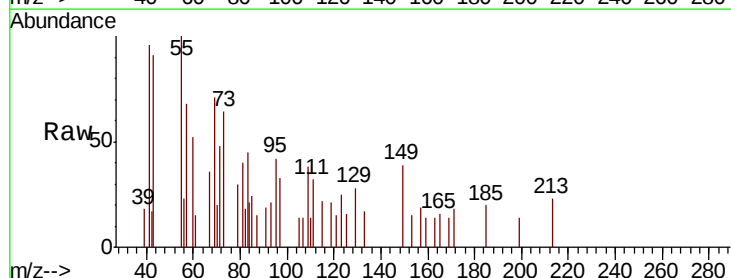
Tgt Ion:149 Resp: 1160

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

104 0.0 3.9 5.9#



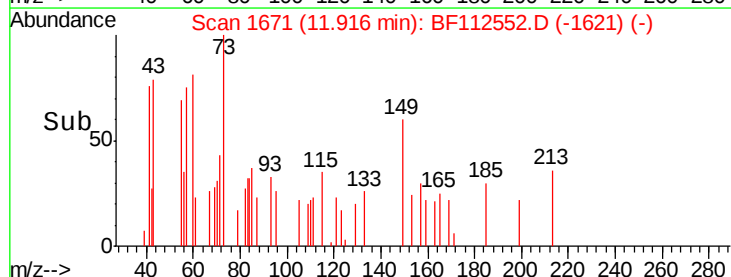
Abundance Ion 149.00 (148.70 to 149.70): E

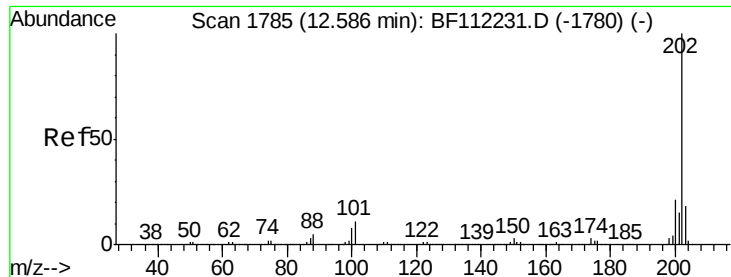
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

11.92

Time-->

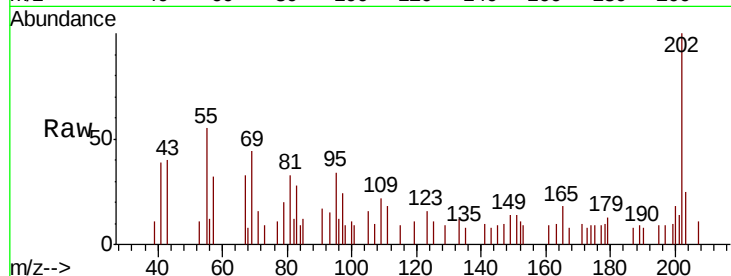




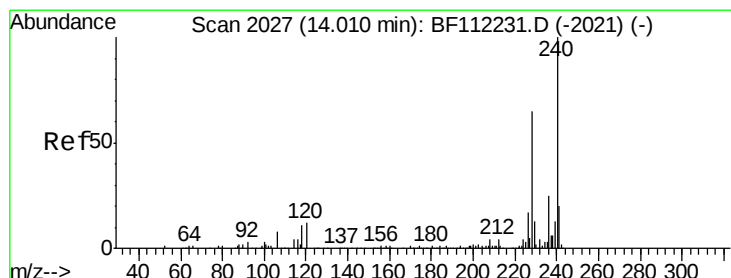
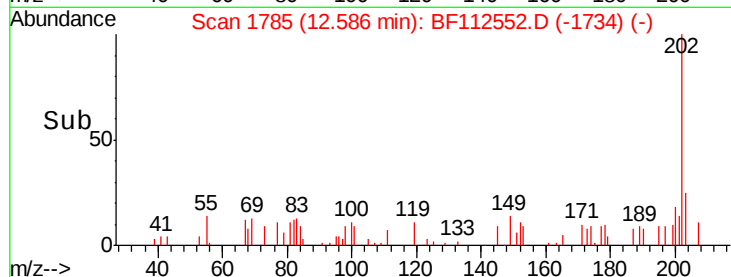
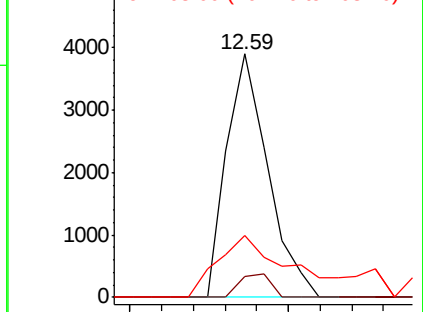
#75
Fluoranthene
Concen: 0.293 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Instrument :
BNA_F
ClientSampleId :
SB-6

Tgt Ion: 202 Resp: 3519
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.8
203 25.5 0.0 38.4

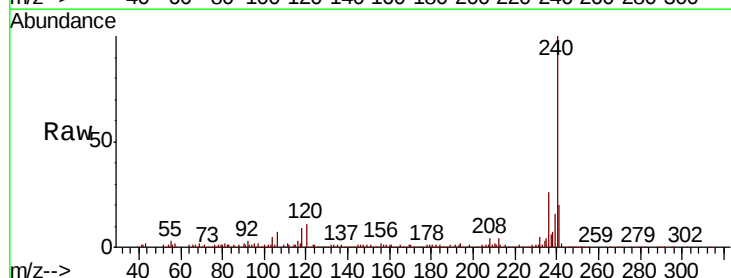


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

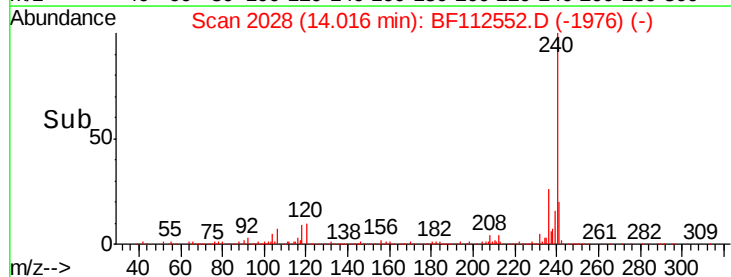
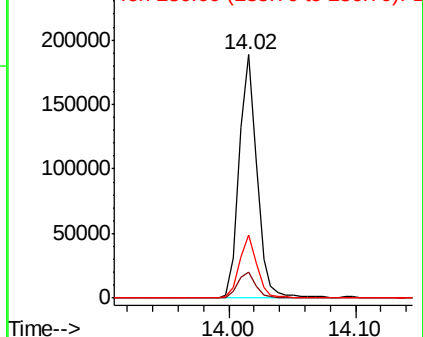


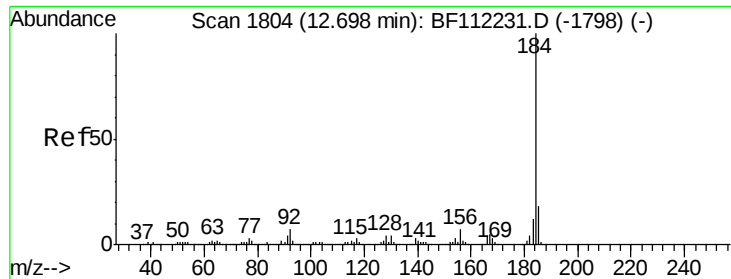
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion: 240 Resp: 181469
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.6
236 25.7 20.7 31.1



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





#77

Benzidine

Concen: 1.620 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

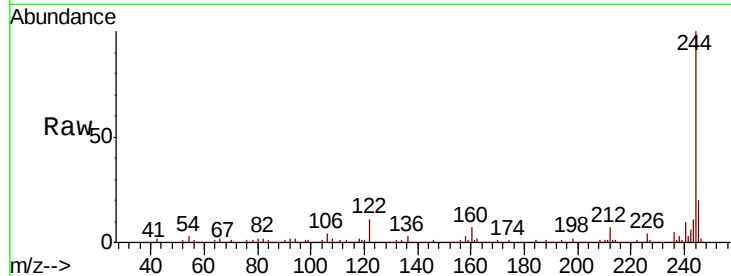
Tgt Ion:184 Resp: 8089

Ion Ratio Lower Upper

184 100

185 18.2 13.9 20.9

183 10.8 10.0 15.0

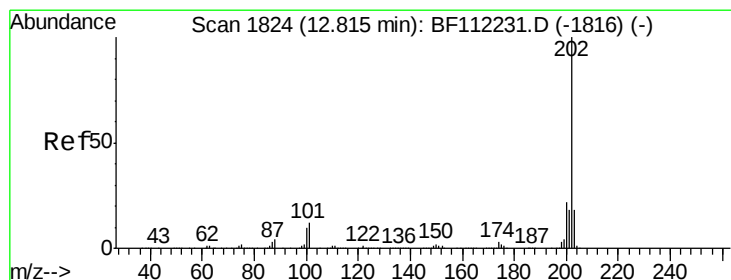
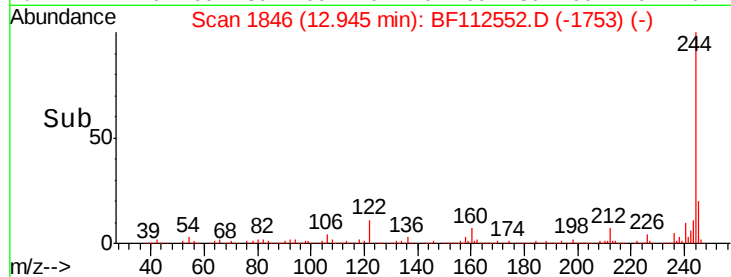
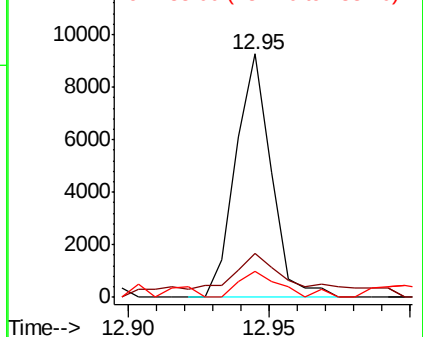


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.305 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

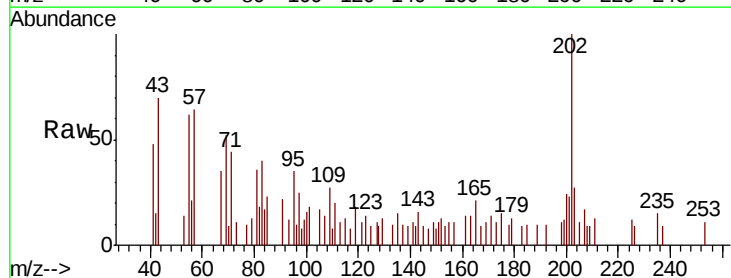
Tgt Ion:202 Resp: 3827

Ion Ratio Lower Upper

202 100

200 23.8 17.7 26.5

203 26.8 14.6 22.0#

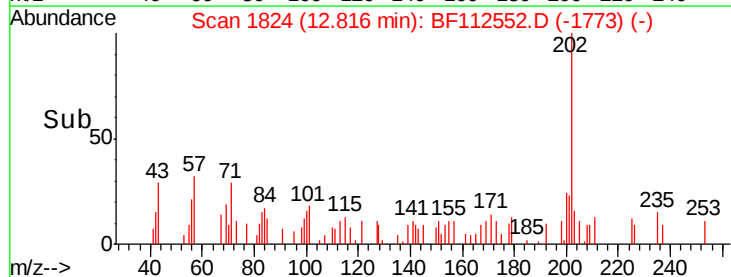
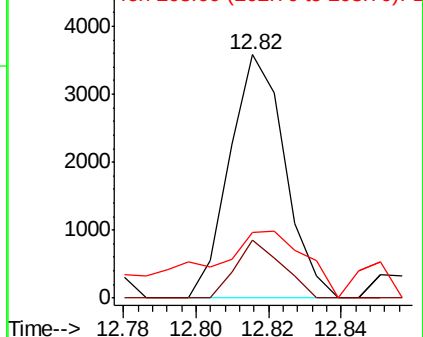


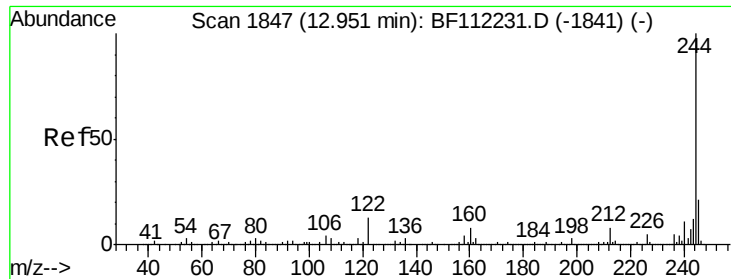
Abundance

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

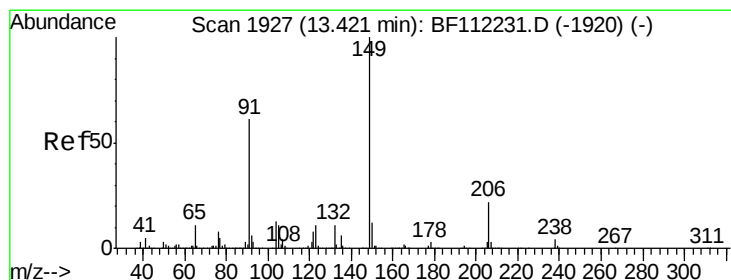
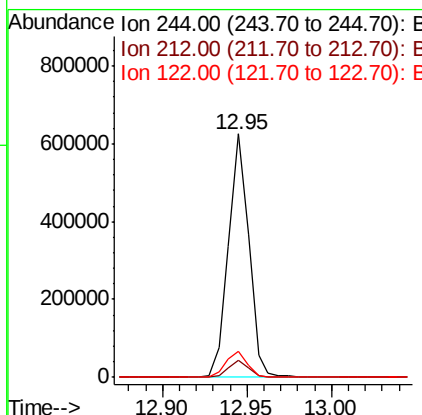
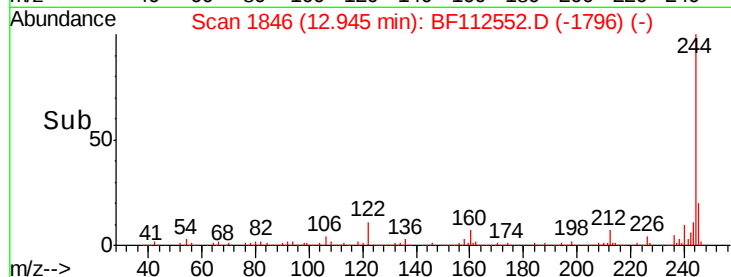
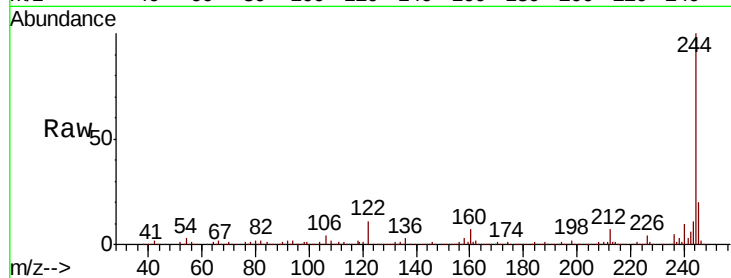




#79
 Terphenyl-d14
 Concen: 54.695 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

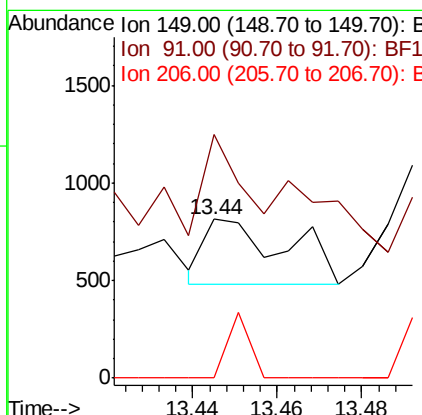
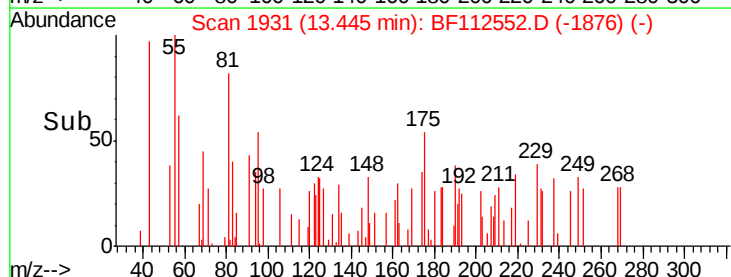
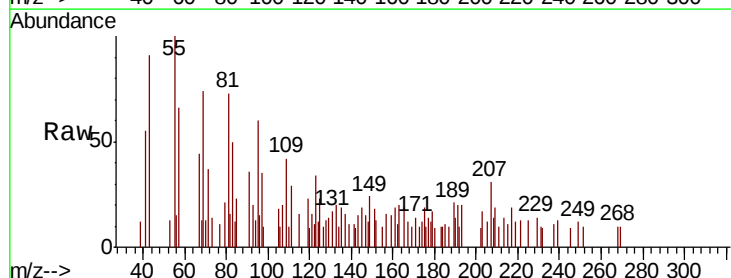
Instrument :
 BNA_F
 ClientSampleId :
 SB-6

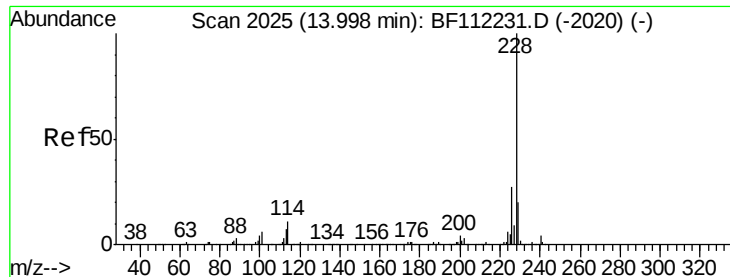
Tgt Ion: 244 Resp: 526982
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.7 9.8 14.6



#80
 Butylbenzylphthalate
 Concen: 0.074 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. 0.02 min
 Lab File: BF112552.D
 Acq: 13 Feb 2019 21:30

Tgt Ion: 149 Resp: 447
 Ion Ratio Lower Upper
 149 100
 91 153.2 50.3 75.5#
 206 0.0 18.2 27.4#





#81

Benzo(a)anthracene

Concen: 0.253 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

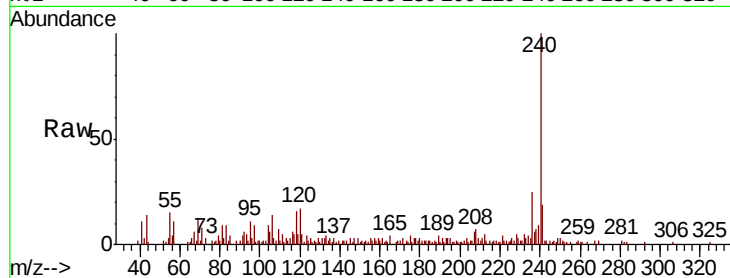
Tgt Ion:228 Resp: 2699

Ion Ratio Lower Upper

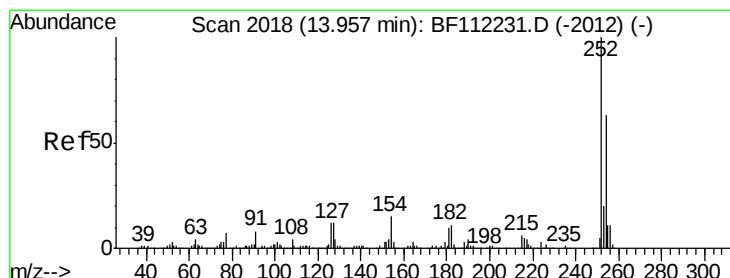
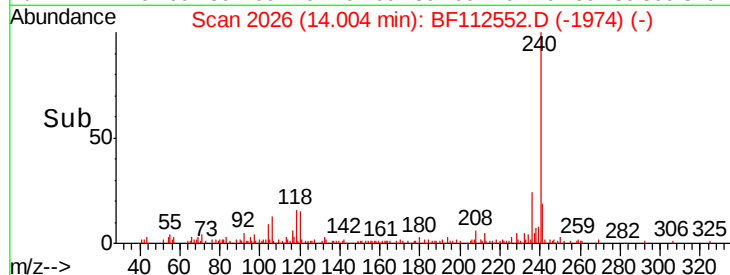
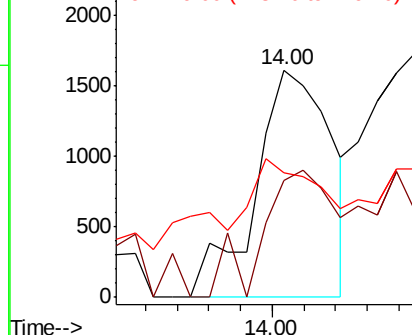
228 100

226 51.5 22.6 34.0#

229 54.6 16.5 24.7#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.065 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

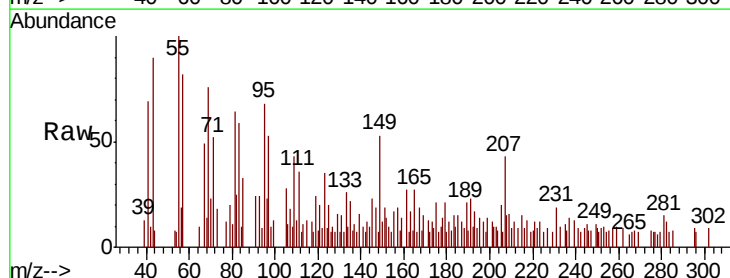
Tgt Ion:252 Resp: 261

Ion Ratio Lower Upper

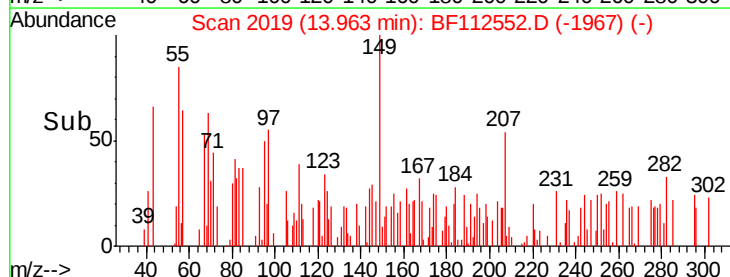
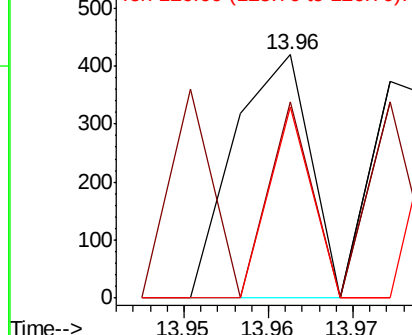
252 100

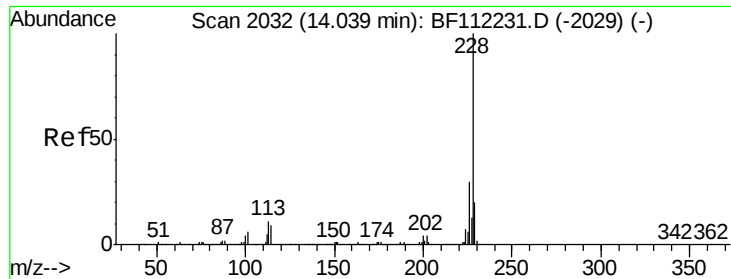
254 80.5 51.6 77.4#

126 78.3 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.281 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampleId :

SB-6

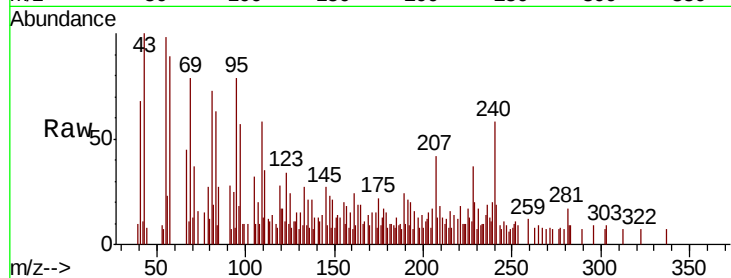
Tgt Ion: 228 Resp: 2863

Ion Ratio Lower Upper

228 100

226 35.7 25.0 37.6

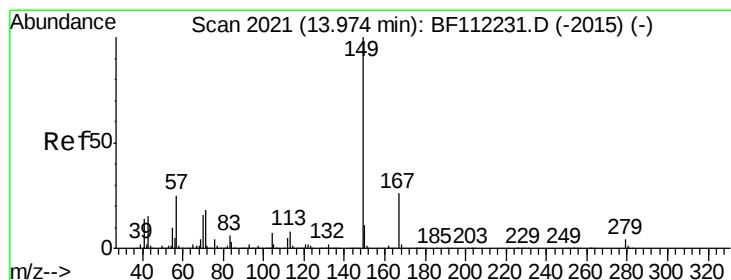
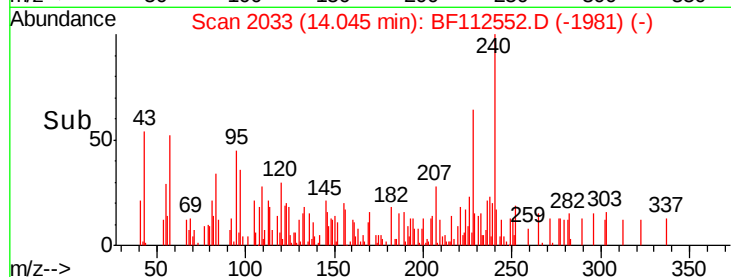
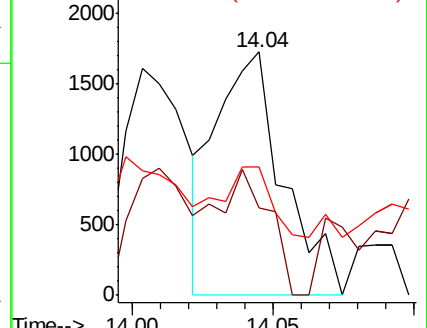
229 52.6 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 0.433 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

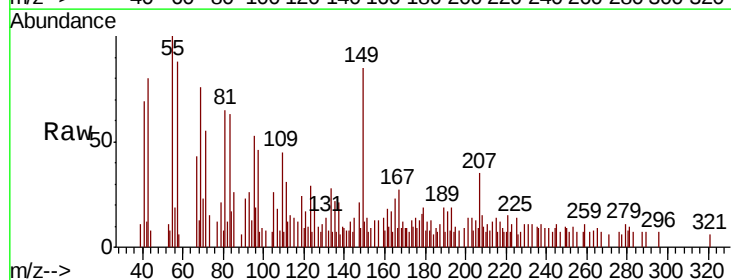
Tgt Ion: 149 Resp: 3732

Ion Ratio Lower Upper

149 100

167 32.3 22.5 33.7

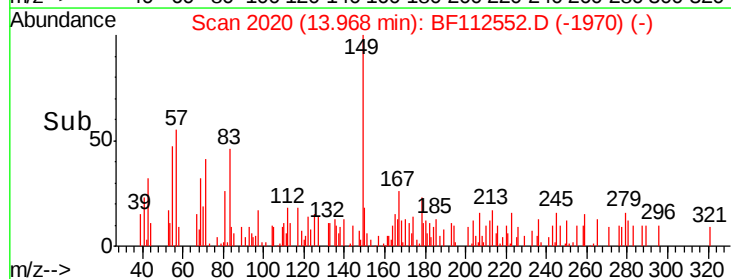
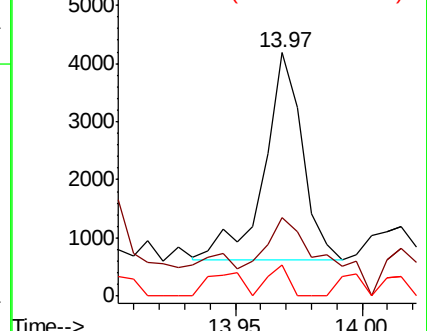
279 13.0 3.8 5.6#

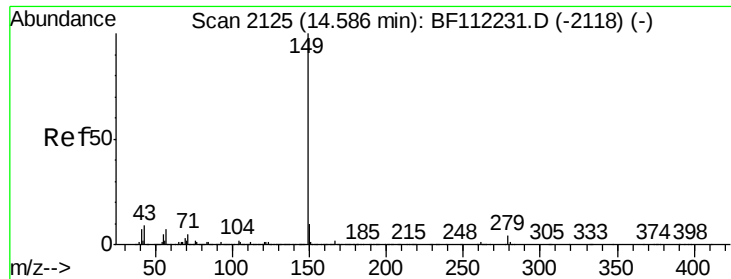


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

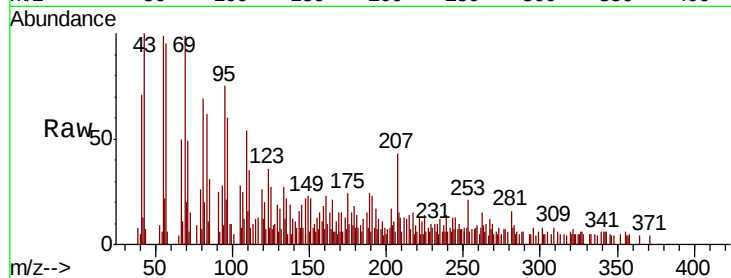




#85
Di-n-octyl phthalate
Concen: 0.041 ng
RT: 14.59 min Scan# 2126
Delta R.T. 0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Instrument :
BNA_F
ClientSampled :
SB-6

Tgt Ion	Ratio	Lower	Upper
149	100		
167	88.9	1.3	1.9#
43	0.0	7.8	11.6#

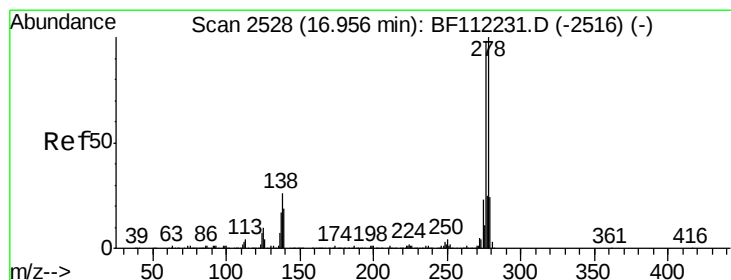
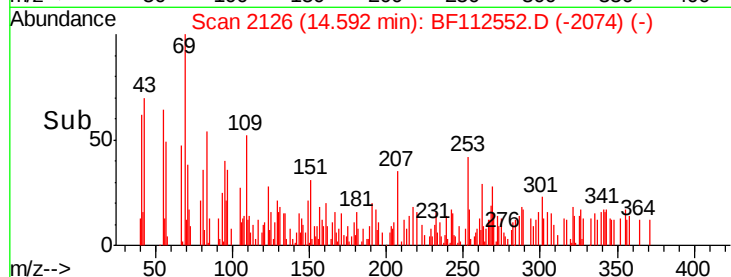
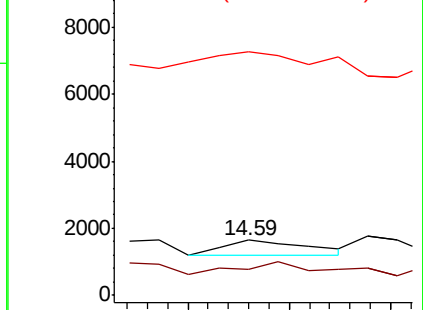


Abundance

Ion 149.00 (148.70 to 149.70): E

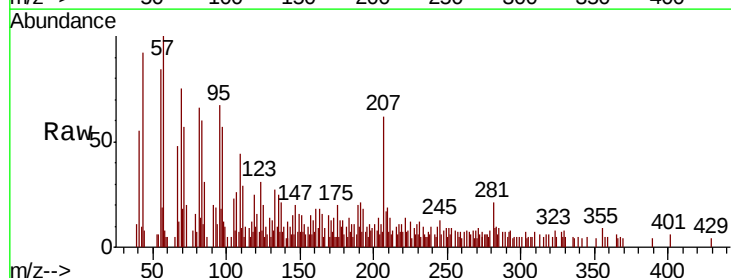
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.049 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	97.5	22.6	34.0#
277	34.3	20.3	30.5#

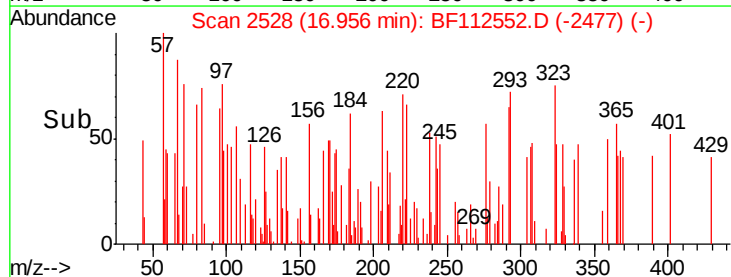
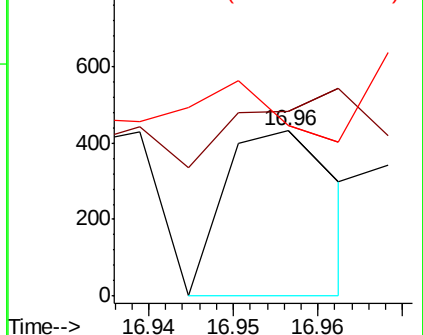


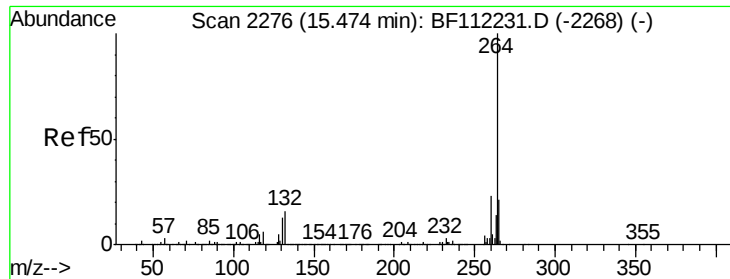
Abundance

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

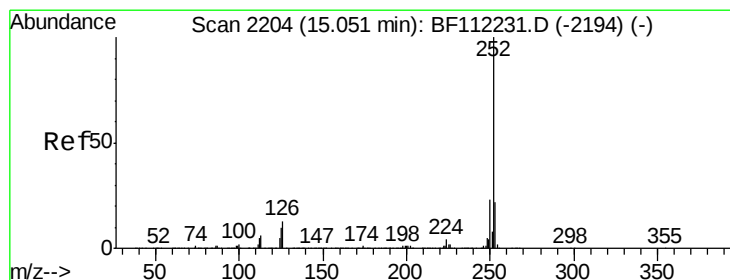
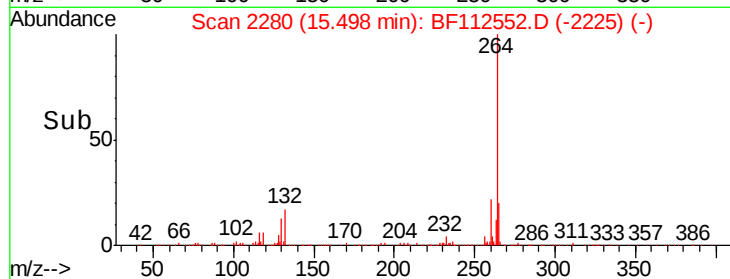
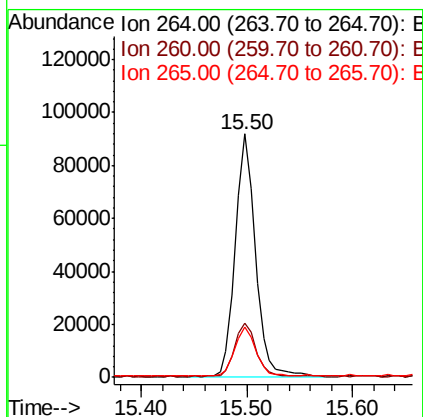
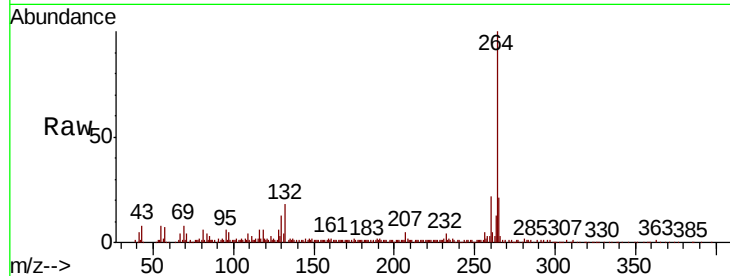




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

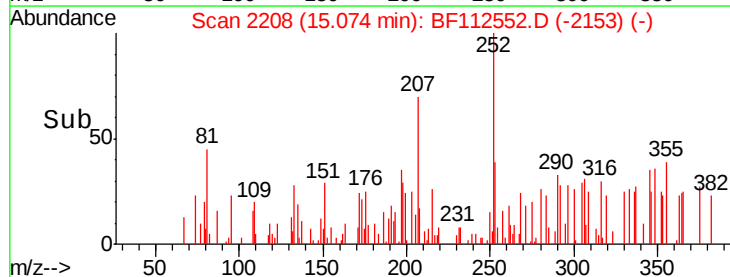
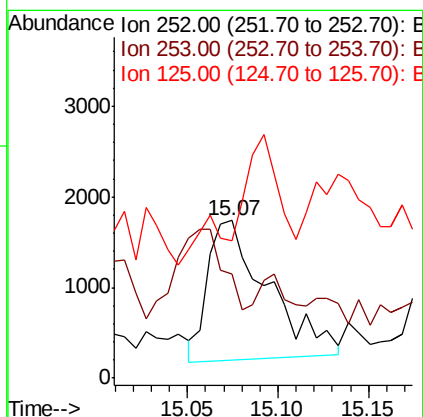
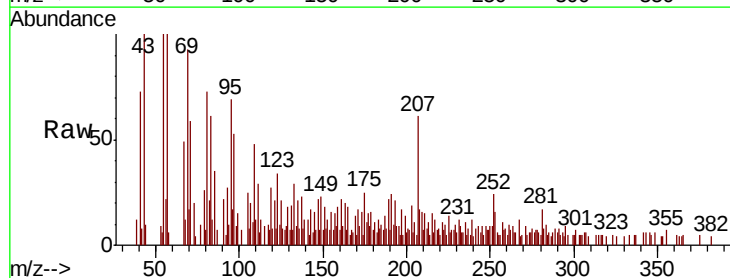
Instrument :
BNA_F
ClientSampleId :
SB-6

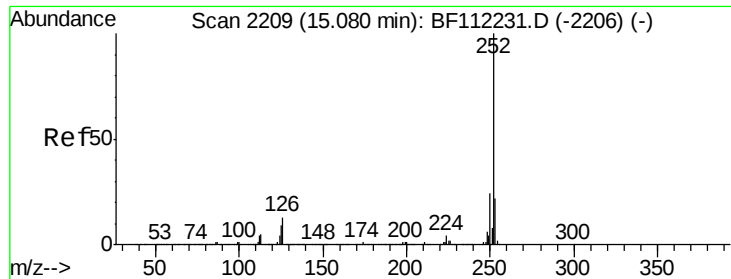
Tgt Ion: 264 Resp: 123051
Ion Ratio Lower Upper
264 100
260 22.0 18.2 27.2
265 20.8 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 0.488 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.02 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion: 252 Resp: 3592
Ion Ratio Lower Upper
252 100
253 66.5 18.0 27.0#
125 87.3 8.7 13.1#

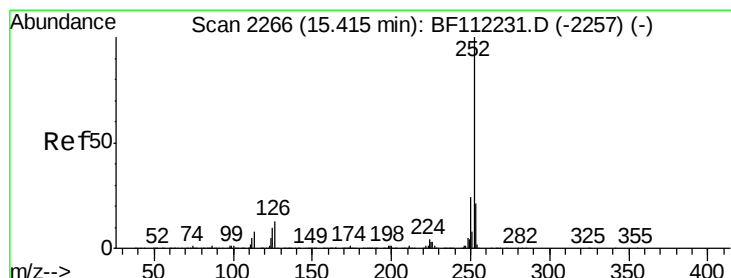
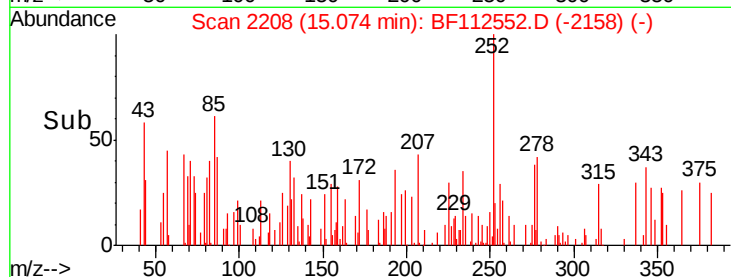
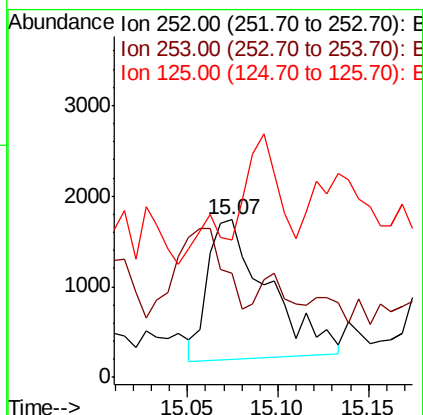
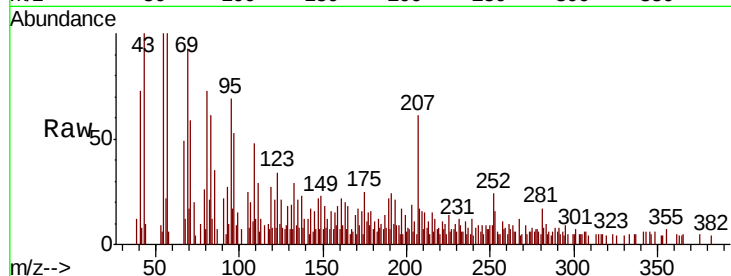




#89
Benzo(k)fluoranthene
Concen: 0.510 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

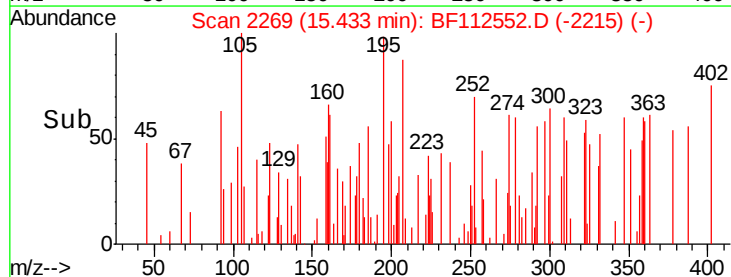
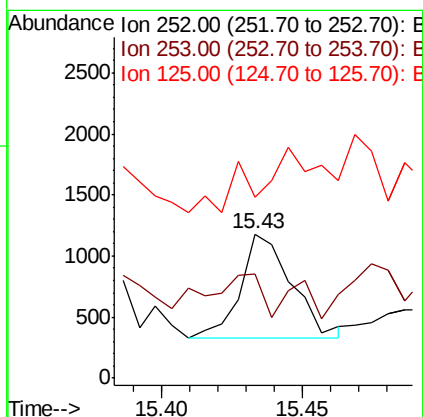
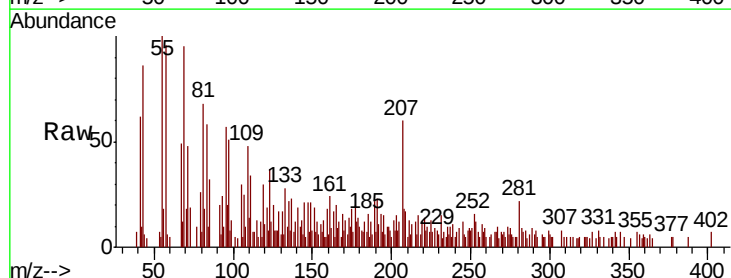
Instrument :
BNA_F
ClientSampleId :
SB-6

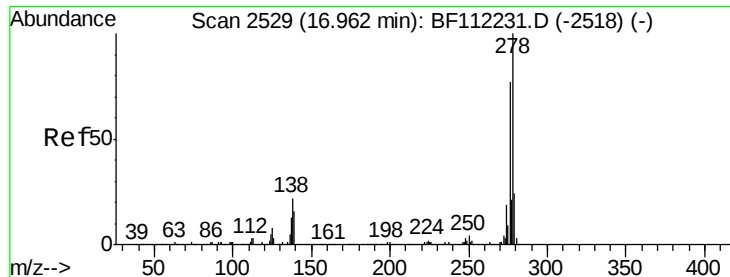
Tgt Ion: 252 Resp: 3592
Ion Ratio Lower Upper
252 100
253 66.5 18.0 27.0#
125 87.3 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 0.163 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112552.D
Acq: 13 Feb 2019 21:30

Tgt Ion: 252 Resp: 1082
Ion Ratio Lower Upper
252 100
253 72.7 17.5 26.3#
125 126.0 9.0 13.4#





#91

Dibenzo(a,h)anthracene

Concen: 0.187 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

Instrument :

BNA_F

ClientSampled :

SB-6

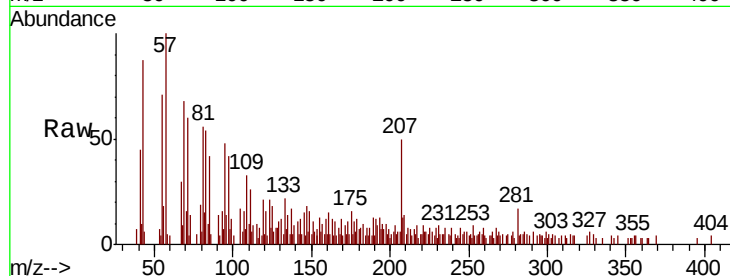
Tgt Ion:278 Resp: 1000

Ion Ratio Lower Upper

278 100

139 151.7 13.7 20.5#

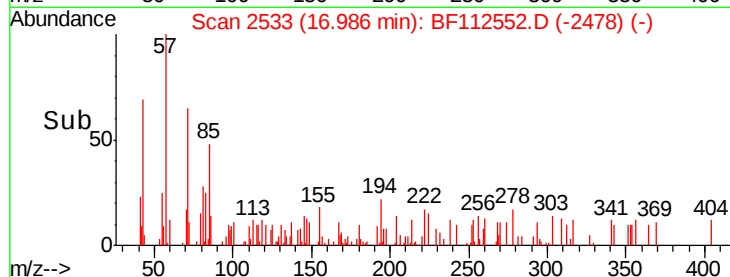
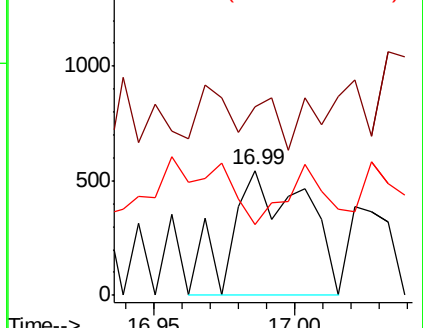
279 56.4 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 0.034 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF112552.D

Acq: 13 Feb 2019 21:30

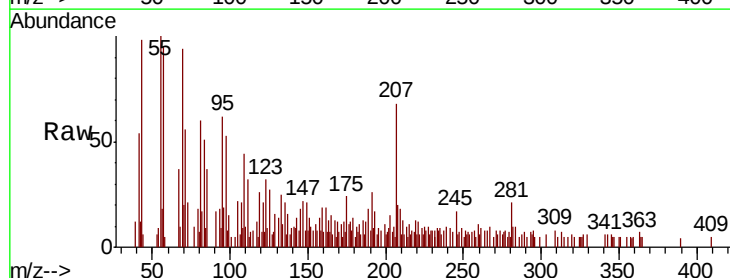
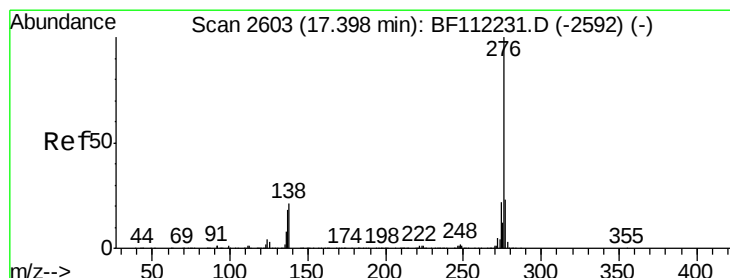
Tgt Ion:276 Resp: 171

Ion Ratio Lower Upper

276 100

277 113.2 19.4 29.0#

138 86.4 19.1 28.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

