

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112532.D
 Acq On : 13 Feb 2019 12:05
 Operator : JU/SJ
 Sample : K1459-11RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M-11-S

Quant Time: Feb 14 04:07:37 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	99325	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	395621	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	201352	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	381373	20.00	ng	0.00
76) Chrysene-d12	14.01	240	230049	20.00	ng	0.00
87) Perylene-d12	15.49	264	217261	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	561397	120.05	ng	0.00
7) Phenol-d6	6.49	99	718556	110.58	ng	0.00
23) Nitrobenzene-d5	7.40	82	459645	66.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	227597	97.11	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	948405	66.62	ng	-0.01
79) Terphenyl-d14	12.94	244	937167	76.73	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.49	93	205	0.027	ng	# 1
9) Benzaldehyde	6.49	77	1266	0.373	ng	# 1
10) Phenol	6.50	94	12766	1.791	ng	# 87
11) bis(2-Chloroethyl)ether	6.61	93	856	0.153	ng	# 1
15) Benzyl Alcohol	6.99	79	7694	1.405	ng	# 34
19) n-Nitroso-di-n-propylamine	7.40	70	62151	13.871	ng	# 78
24) Nitrobenzene	7.40	77	1086	0.158	ng	# 28
25) Isophorone	7.40	82	459642	42.672	ng	# 63
31) Naphthalene	8.14	128	197	0.011	ng	# 67
38) 1-Methylnaphthalene	9.19	142	394	0.032	ng	# 64
46) 1,1'-Biphenyl	9.29	154	1561	0.089	ng	# 87
48) 2-Nitroaniline	9.59	65	694	0.187	ng	# 1
49) Acenaphthylene	9.73	152	887	0.044	ng	# 59
50) Dimethylphthalate	9.59	163	80472	5.144	ng	# 97
51) 2,6-Dinitrotoluene	9.59	165	809	0.231	ng	# 10
52) Acenaphthene	9.87	154	537	0.045	ng	# 5
57) 2,4-Dinitrotoluene	9.87	165	24318	5.452	ng	# 32
58) Fluorene	10.67	166	9176	0.671	ng	# 95
60) Diethylphthalate	10.28	149	858	0.055	ng	# 58
63) Azobenzene	10.67	77	1206	0.088	ng	# 4
65) 4,6-Dinitro-2-methylphenol	10.67	198	407	0.190	ng	# 1
66) n-Nitrosodiphenylamine	10.67	169	7212	0.561	ng	# 50
67) 4-Bromophenyl-phenylether	10.67	248	13539	3.018	ng	# 1
71) Phenanthrene	11.39	178	5872	0.296	ng	# 98
72) Anthracene	11.39	178	5872	0.297	ng	# 97
73) Carbazole	11.59	167	107	0.005	ng	# 59
74) Di-n-butylphthalate	11.91	149	1562	0.065	ng	# 77
75) Fluoranthene	12.58	202	32103	1.510	ng	# 99
77) Benzidine	12.94	184	13109	2.070	ng	# 94
78) Pyrene	12.81	202	30625	1.923	ng	# 97
80) Butylbenzylphthalate	13.43	149	582	0.076	ng	# 43
81) Benzo(a)anthracene	14.04	228	14558	1.076	ng	# 95
82) 3,3'-Dichlorobenzidine	13.96	252	131	0.026	ng	# 47
83) Chrysene	14.04	228	14558	1.128	ng	# 95

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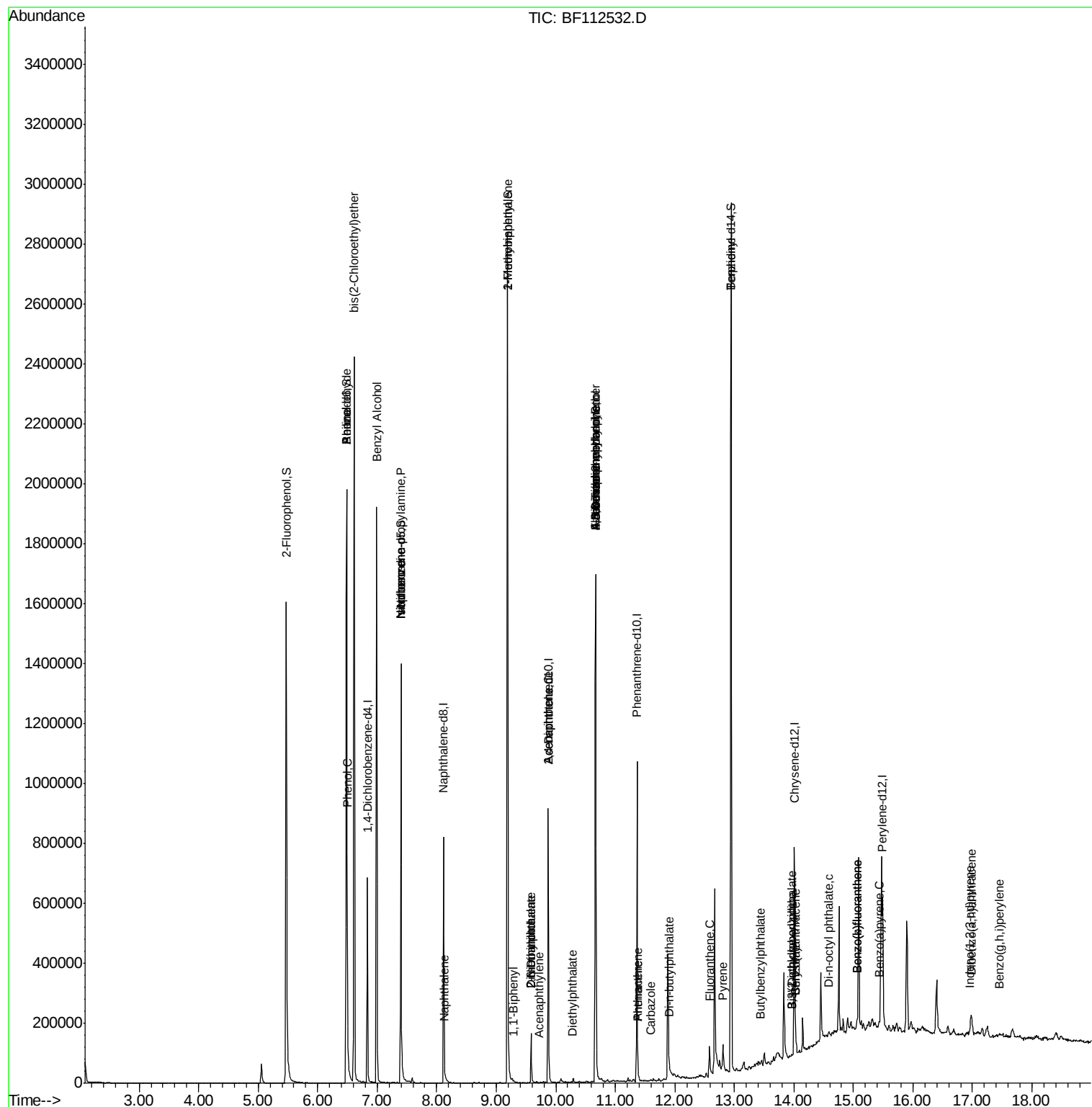
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	13.97	149	2230	0.204	ng	# 67
85) Di-n-octyl phthalate	14.59	149	466	0.028	ng	# 54
86) Indeno(1,2,3-cd)pyrene	16.94	276	643	0.063	ng	# 2
88) Benzo(b)fluoranthene	15.06	252	23098	1.778	ng	# 80
89) Benzo(k)fluoranthene	15.06	252	23098	1.856	ng	# 81
90) Benzo(a)pyrene	15.43	252	12283	1.051	ng	# 77
91) Dibenzo(a,h)anthracene	17.00	278	3153	0.335	ng	# 34
92) Benzo(g,h,i)perylene	17.45	276	9876	1.111	ng	# 94

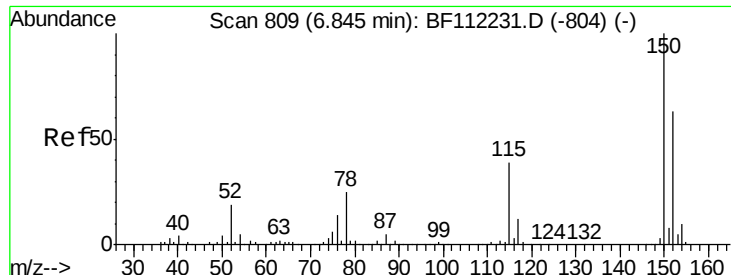
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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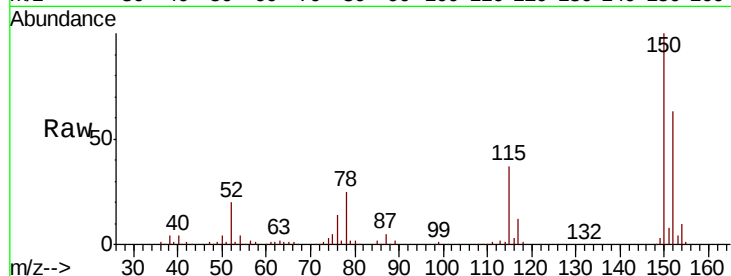


#1

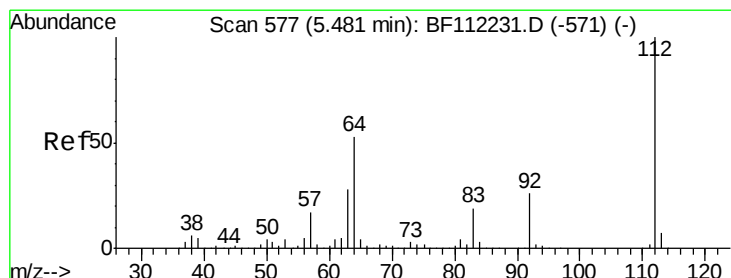
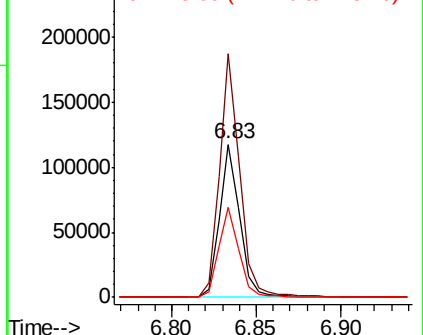
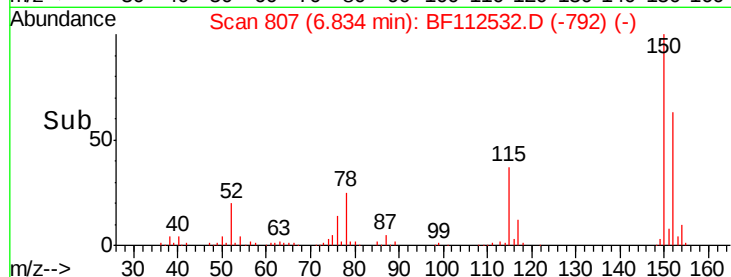
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Instrument :
BNA_F
ClientSampleID :
M-11-S

Tgt Ion:152 Resp: 99325
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.0
115 58.8 45.5 68.3



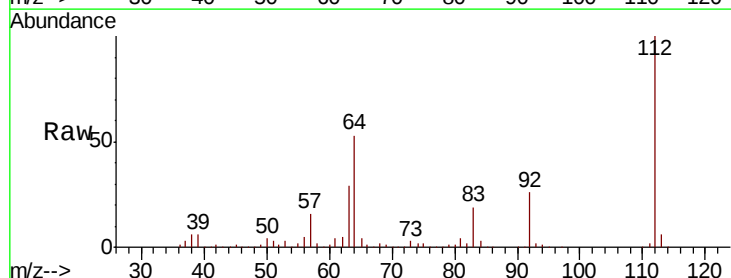
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



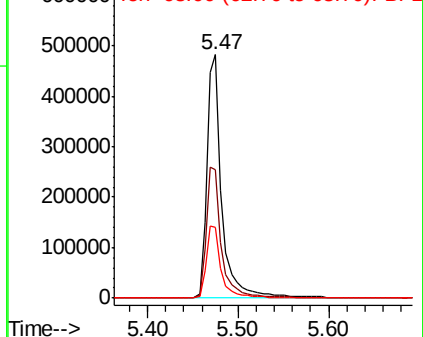
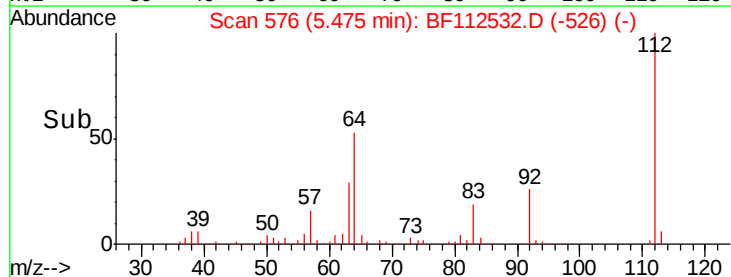
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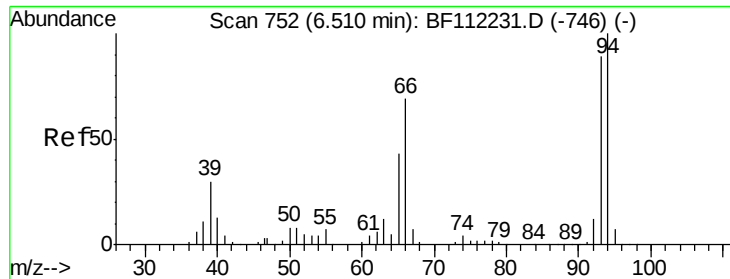
2-Fluorophenol
Concen: 120.055 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion:112 Resp: 561397
Ion Ratio Lower Upper
112 100
64 52.7 45.7 68.5
63 29.3 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: 0.027 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

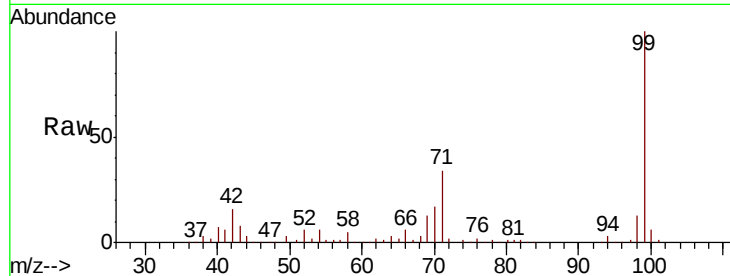
Tgt Ion: 93 Resp: 205

Ion Ratio Lower Upper

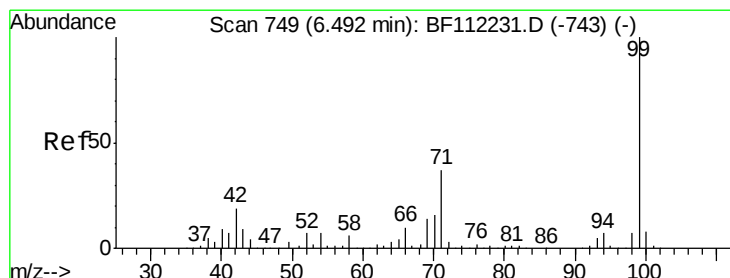
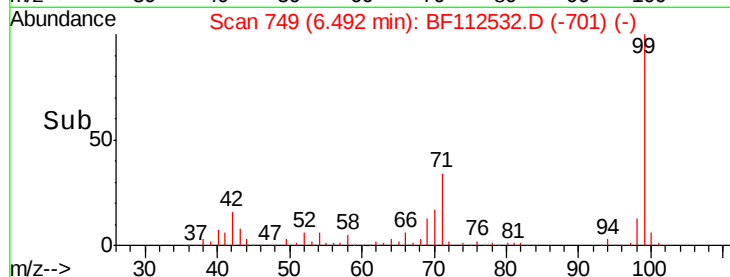
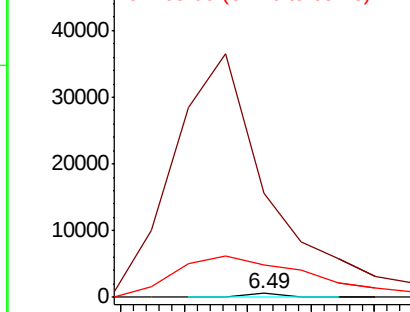
93 100

66 2693.3 43.4 65.2#

65 839.1 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: 110.585 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

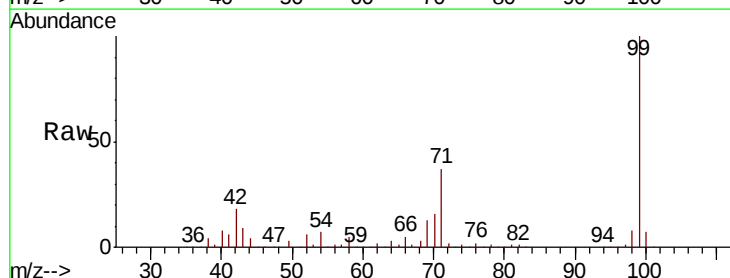
Tgt Ion: 99 Resp: 718556

Ion Ratio Lower Upper

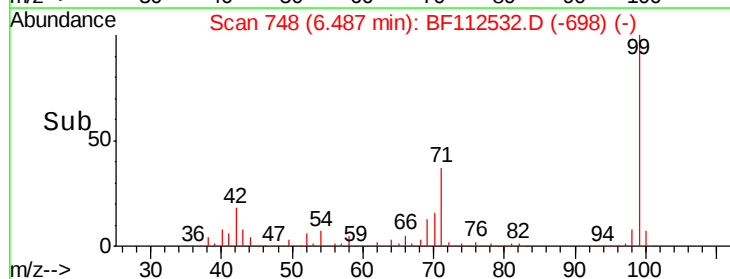
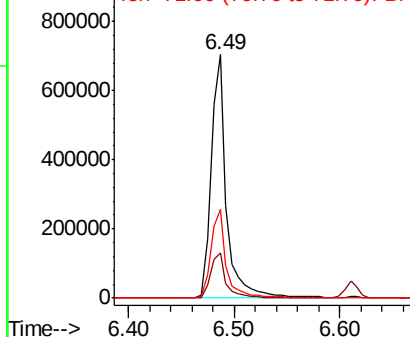
99 100

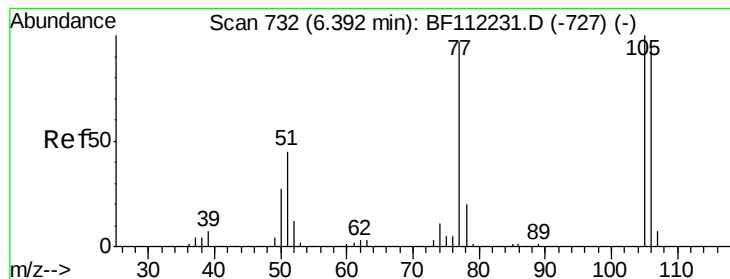
42 18.4 15.1 22.7

71 36.6 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: 0.373 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.09 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampled :

M-11-S

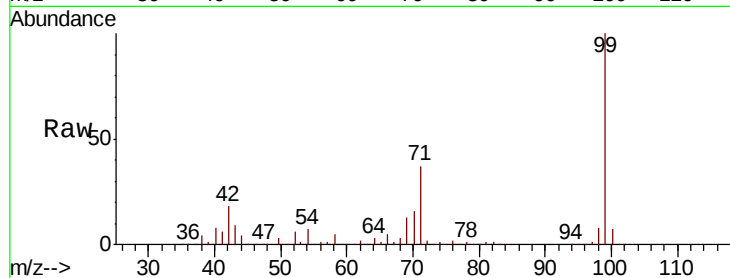
Tgt Ion: 77 Resp: 1266

Ion Ratio Lower Upper

77 100

105 0.0 80.8 120.8#

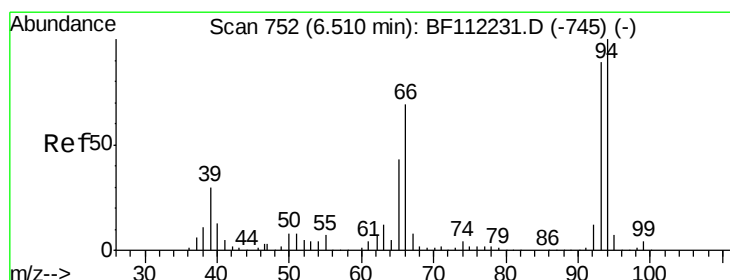
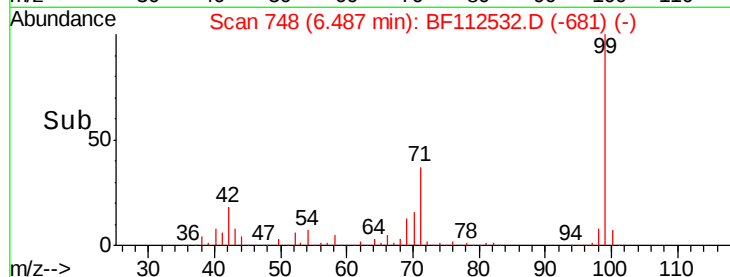
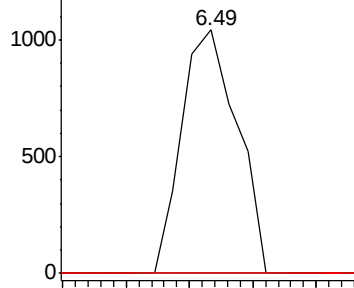
106 0.0 75.7 115.7#



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: 1.791 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

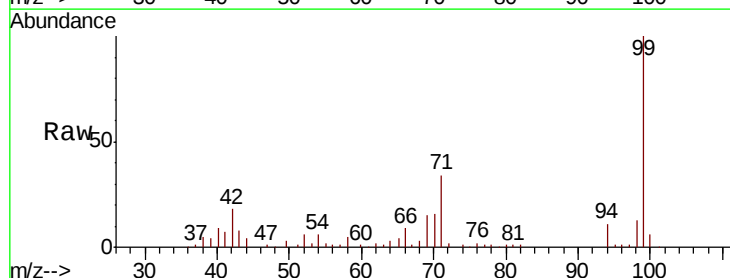
Tgt Ion: 94 Resp: 12766

Ion Ratio Lower Upper

94 100

65 37.1 20.3 60.3

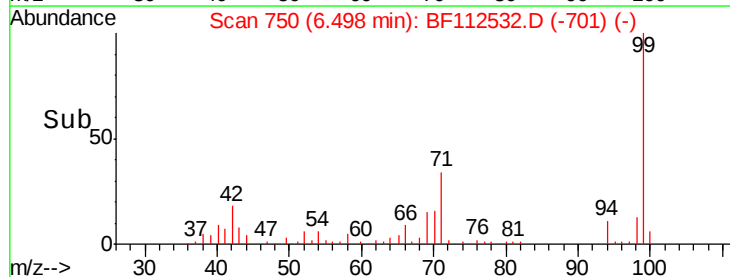
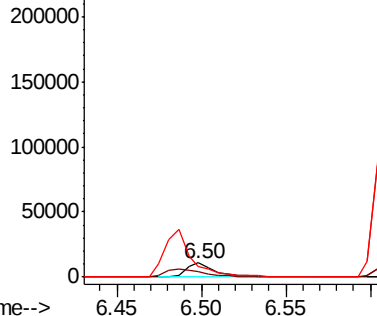
66 76.2 42.4 82.4

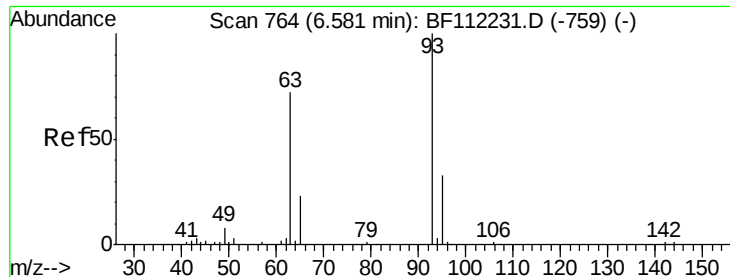


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

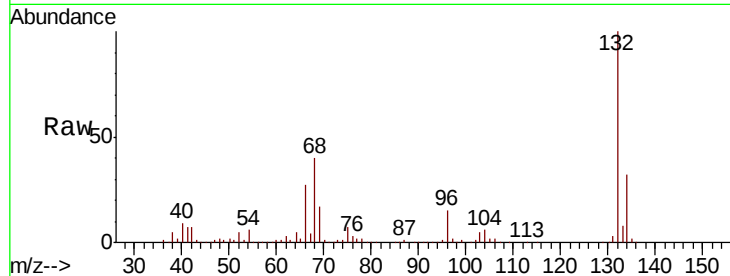




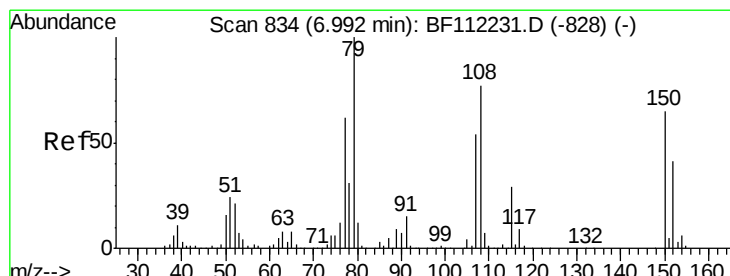
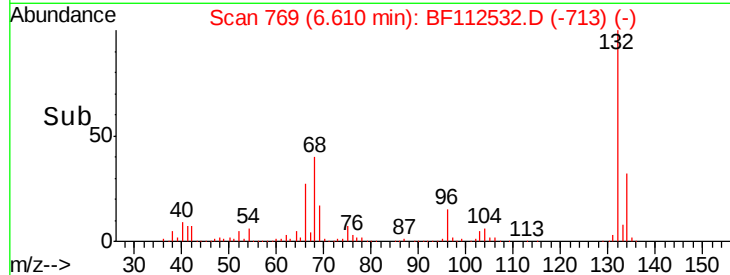
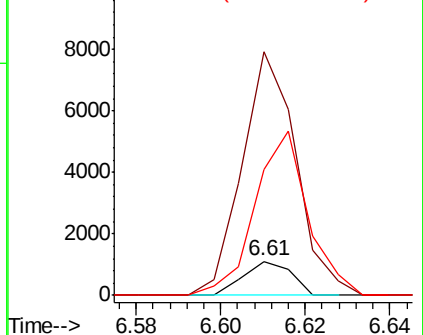
#11
bis(2-Chloroethyl)ether
Concen: 0.153 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.03 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Instrument :
BNA_F
ClientSampled :
M-11-S

Tgt Ion: 93 Resp: 856
Ion Ratio Lower Upper
93 100
63 722.9 53.3 93.3#
95 371.8 13.4 53.4#

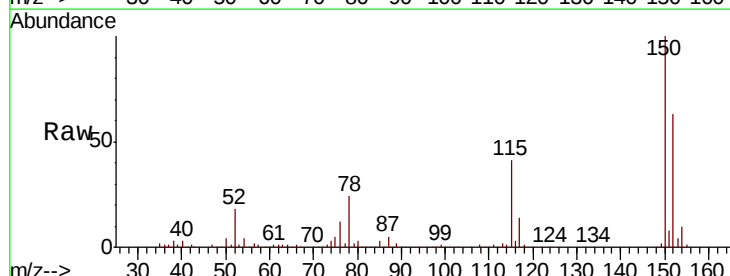


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

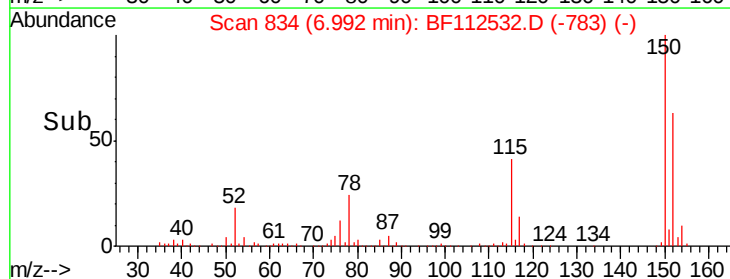
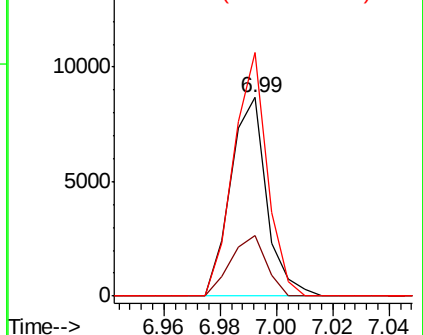


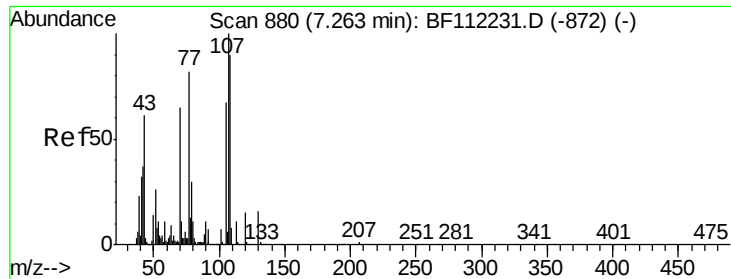
#15
Benzyl Alcohol
Concen: 1.405 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 79 Resp: 7694
Ion Ratio Lower Upper
79 100
108 30.3 64.2 96.2#
77 122.8 50.3 75.5#



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

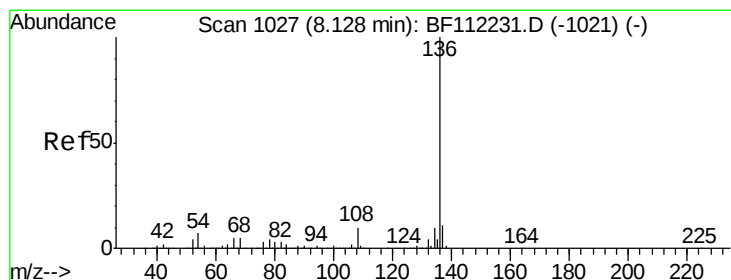
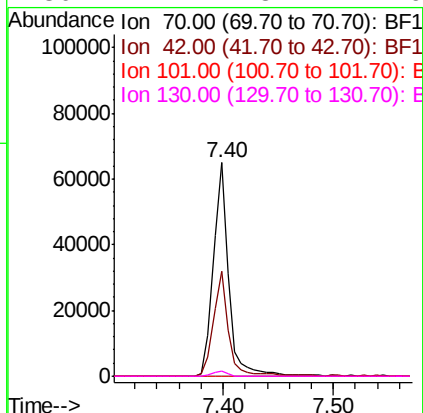
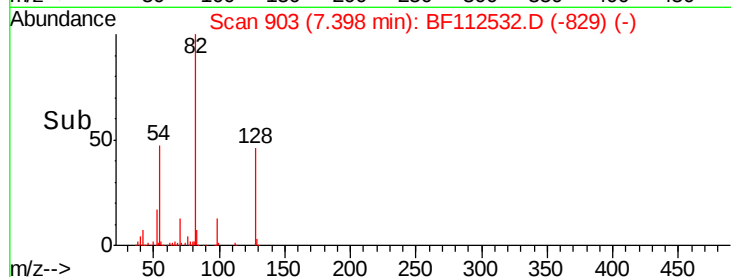
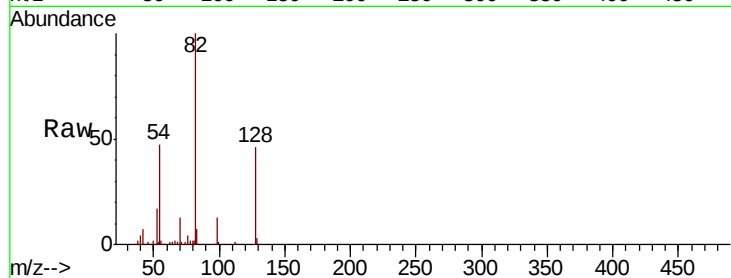




#19
n-Nitroso-di-n-propylamine
Concen: 13.871 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

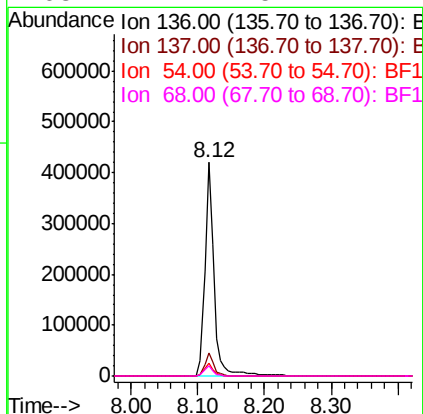
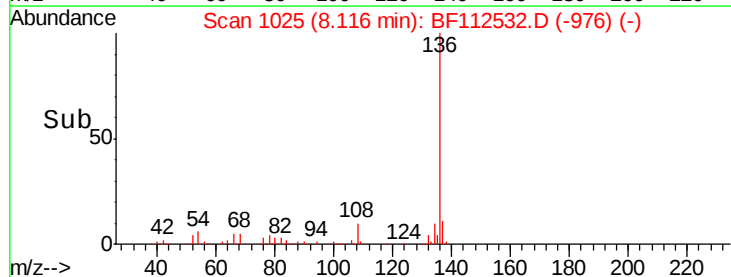
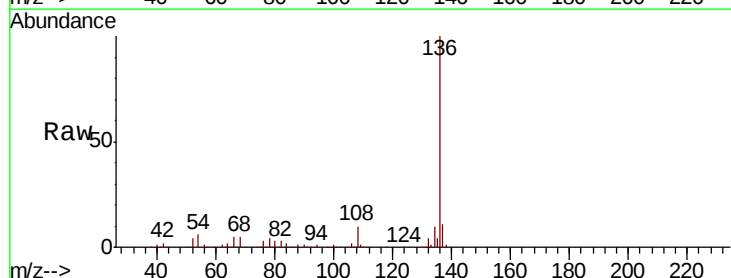
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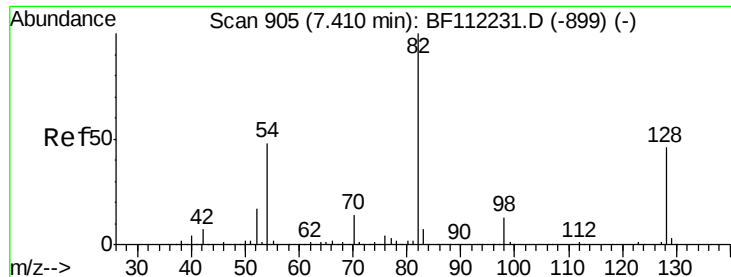
Tgt Ion: 70 Resp: 62151
Ion Ratio Lower Upper
70 100
42 49.2 47.6 71.4
101 0.0 7.9 11.9#
130 2.4 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 136 Resp: 395621
Ion Ratio Lower Upper
136 100
137 10.6 9.1 13.7
54 6.0 5.9 8.9
68 4.7 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 66.944 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

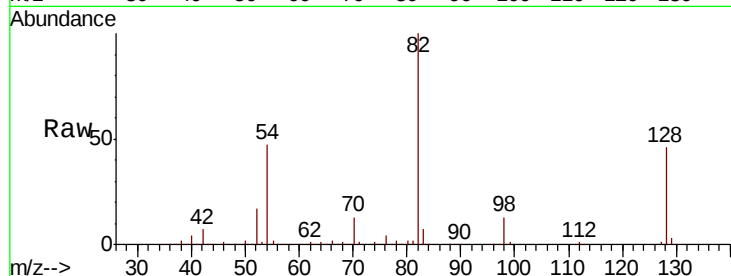
Tgt Ion: 82 Resp: 459645

Ion Ratio Lower Upper

82 100

128 45.8 37.8 56.8

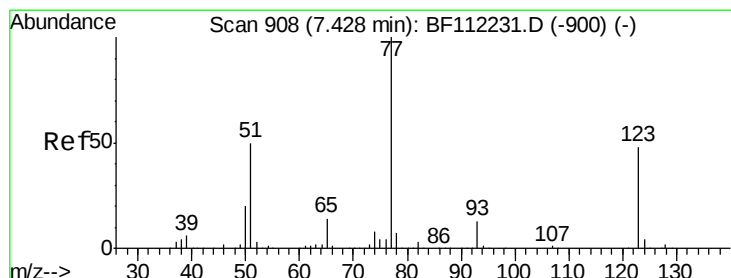
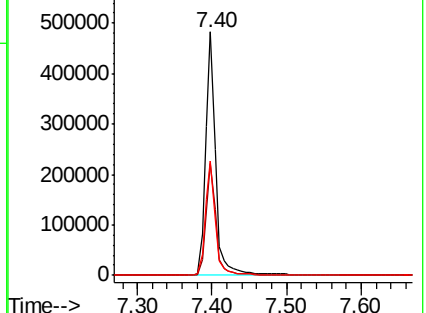
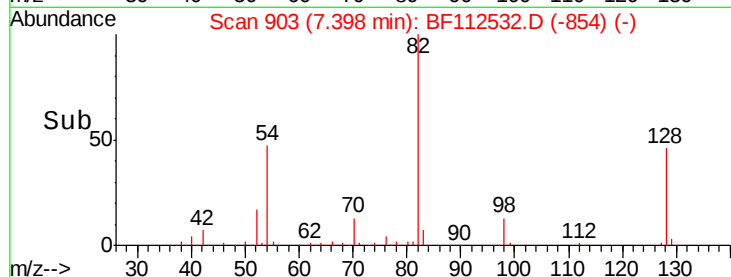
54 47.0 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.158 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

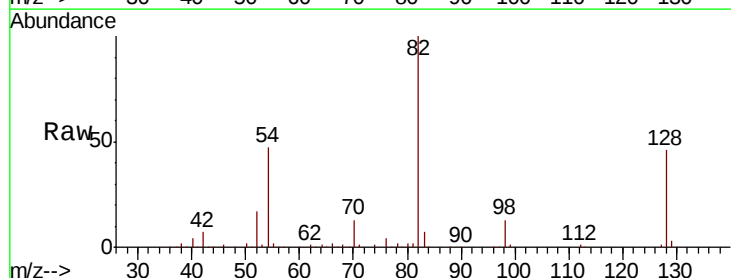
Tgt Ion: 77 Resp: 1086

Ion Ratio Lower Upper

77 100

123 0.0 38.4 57.6#

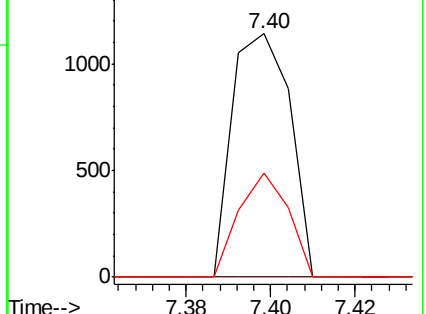
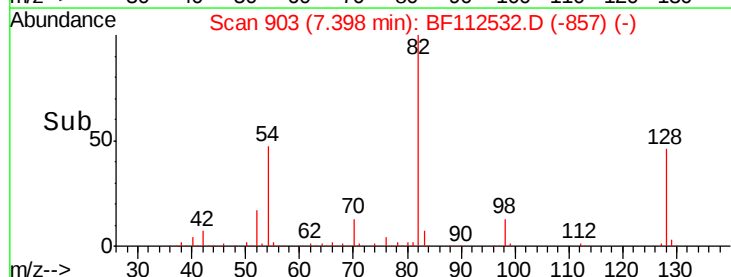
65 42.9 10.6 15.8#

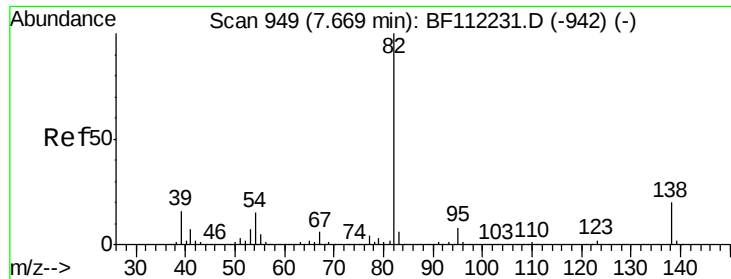


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

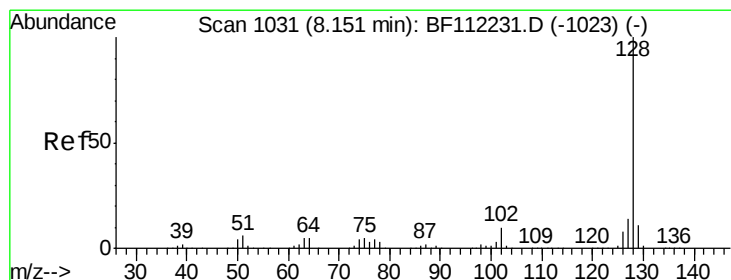
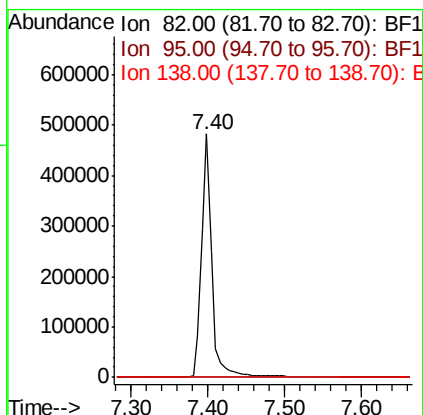
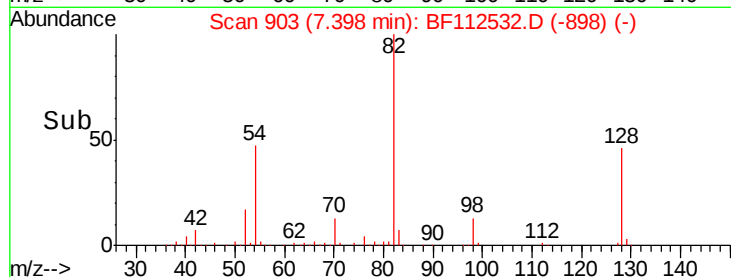
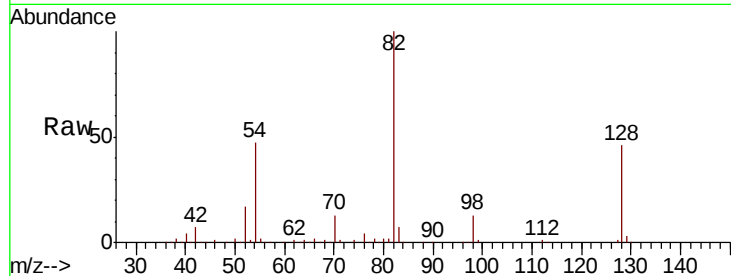




#25
Isophorone
Concen: 42.672 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

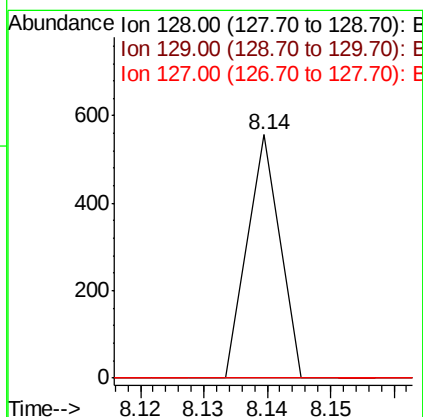
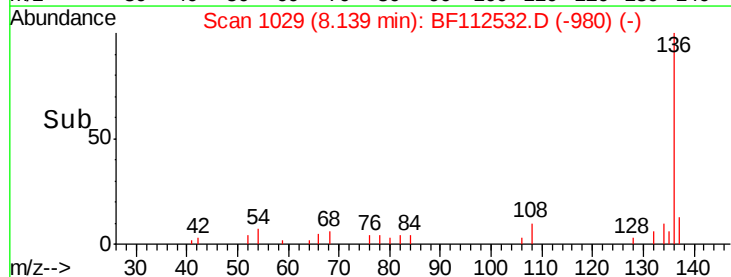
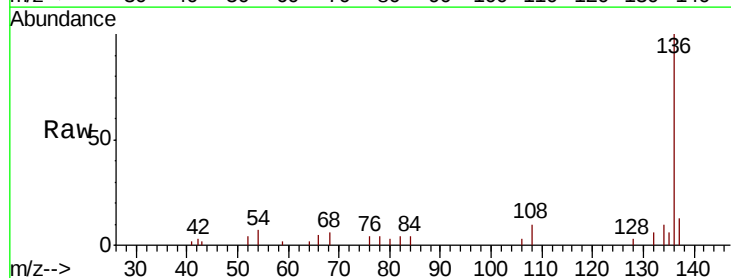
Instrument :
BNA_F
ClientSampleId :
M-11-S

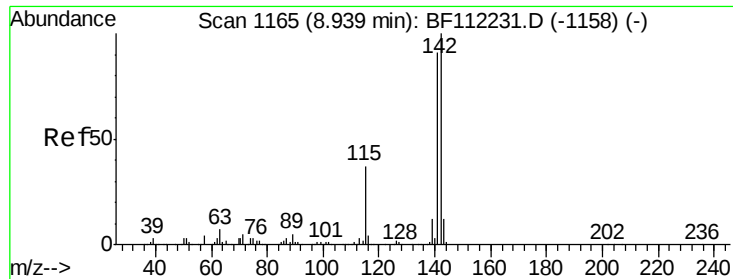
Tgt Ion: 82 Resp: 459642
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#



#31
Naphthalene
Concen: 0.011 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 128 Resp: 197
Ion Ratio Lower Upper
128 100
129 0.0 9.6 14.4#
127 0.0 11.1 16.7#

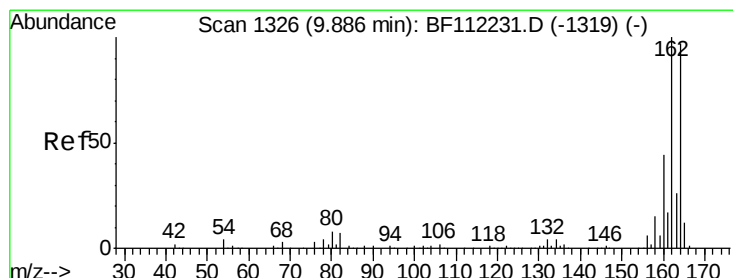
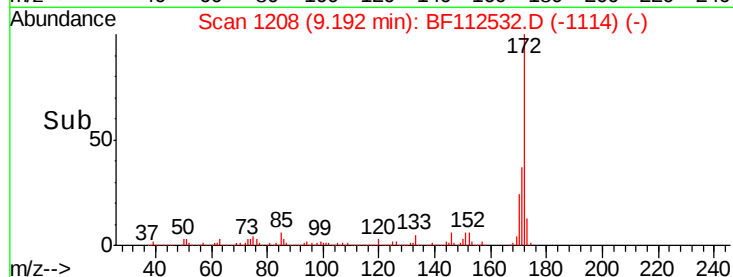
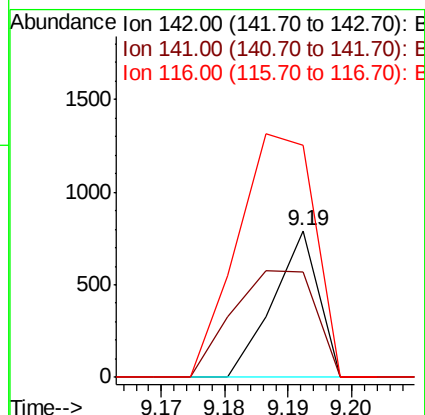
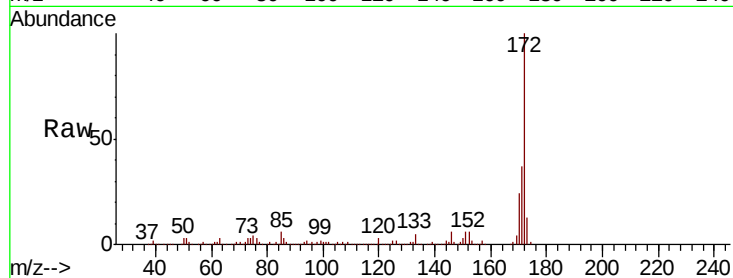




#38
1-Methylnaphthalene
Concen: 0.032 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.25 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

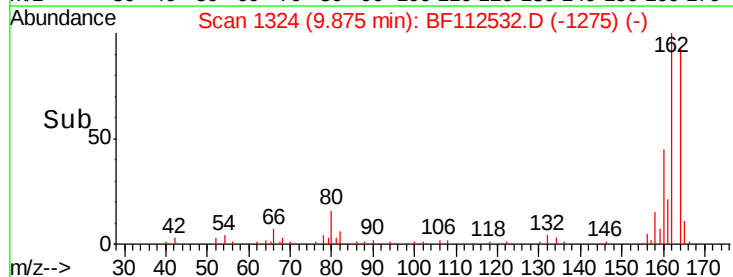
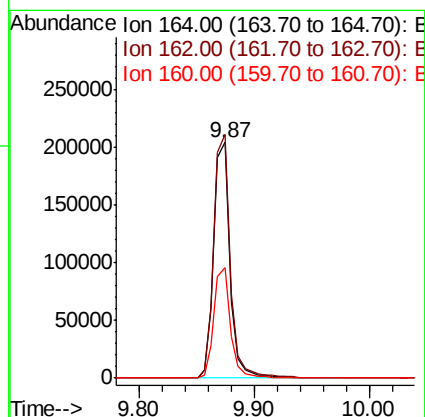
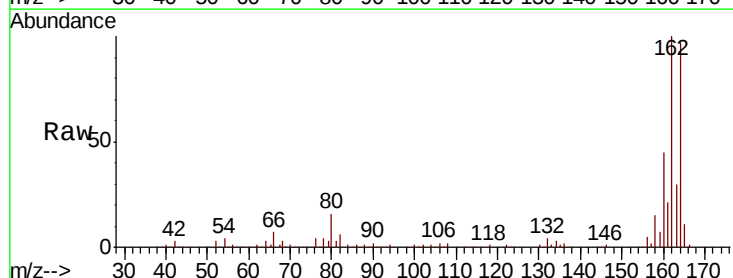
Instrument :
BNA_F
ClientSampleId :
M-11-S

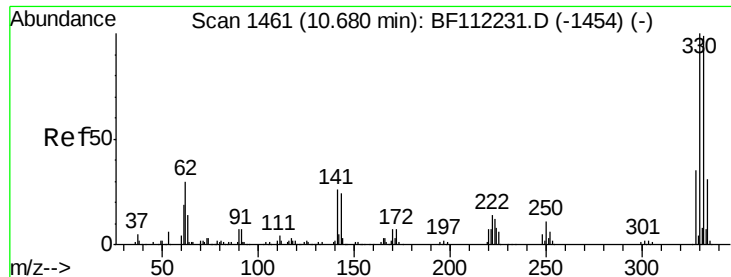
Tgt Ion:142 Resp: 394
Ion Ratio Lower Upper
142 100
141 72.2 72.6 108.8#
116 158.6 2.8 4.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion:164 Resp: 201352
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.4
160 46.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 97.111 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

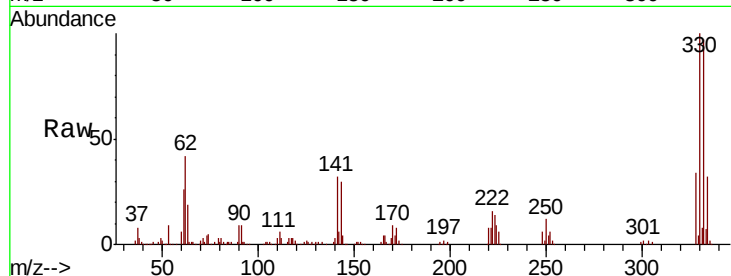
Tgt Ion:330 Resp: 227597

Ion Ratio Lower Upper

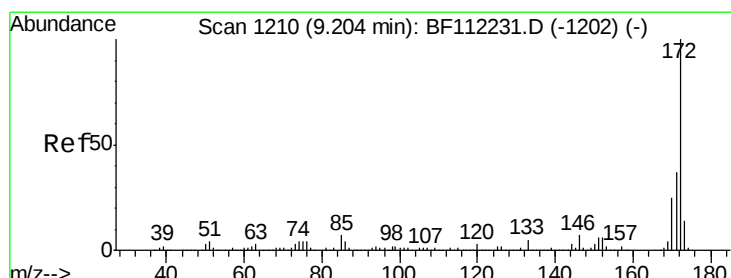
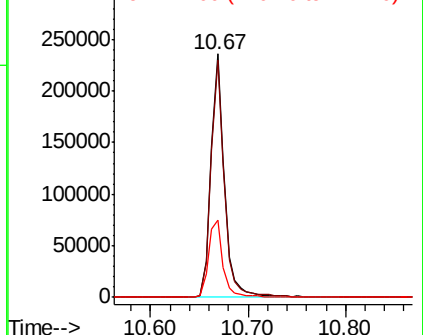
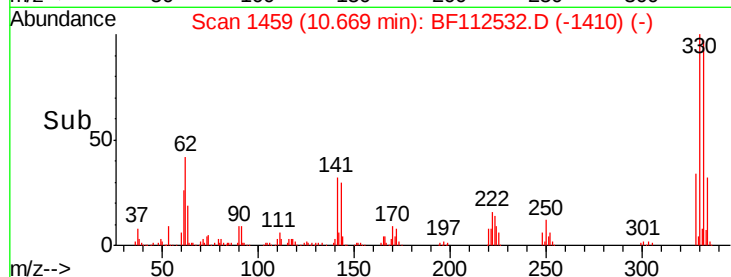
330 100

332 96.5 76.6 114.8

141 34.1 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: 66.618 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

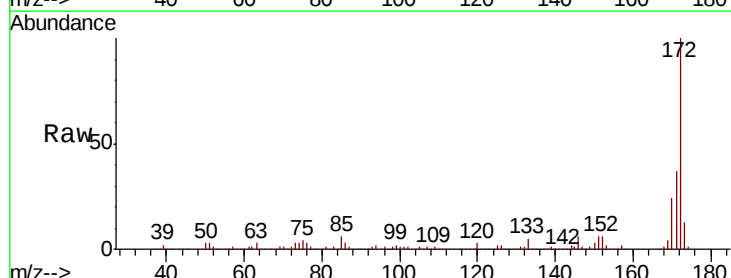
Tgt Ion:172 Resp: 948405

Ion Ratio Lower Upper

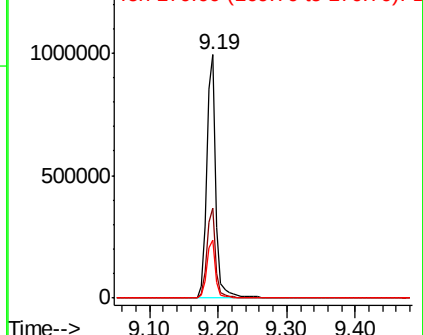
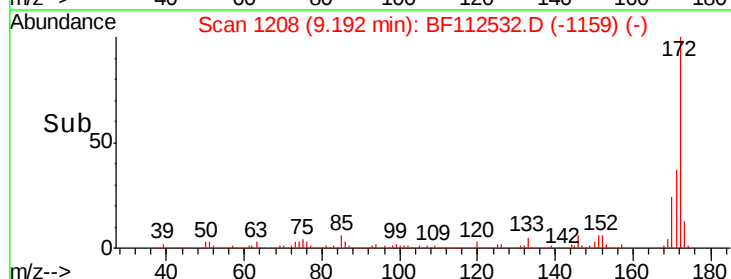
172 100

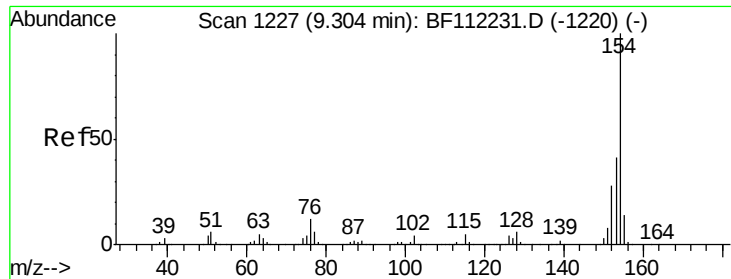
171 36.8 30.5 45.7

170 23.8 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

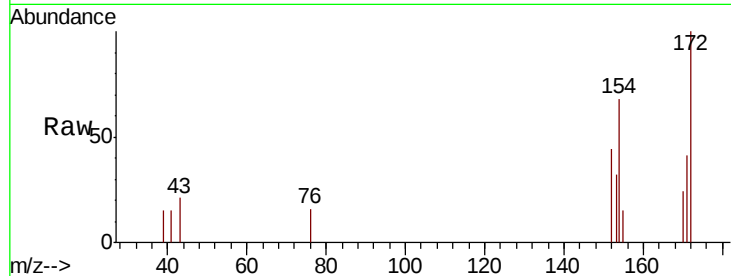




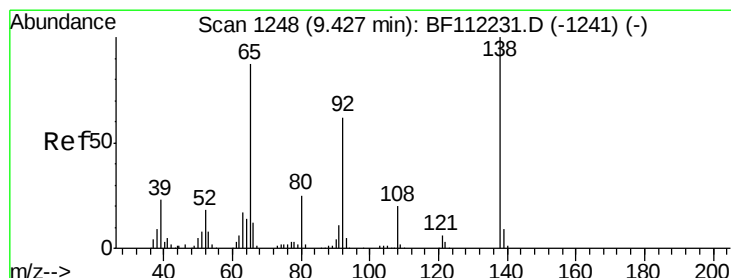
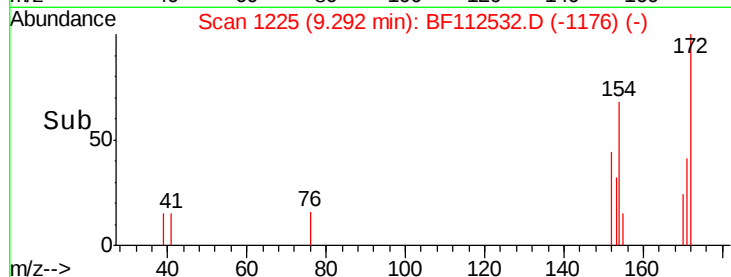
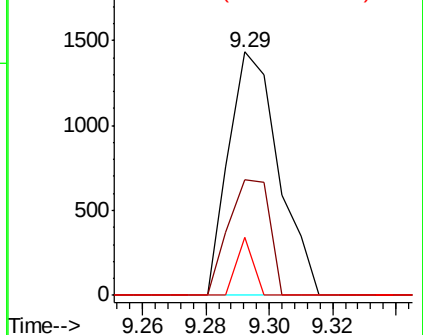
#46
1,1'-Biphenyl
Concen: 0.089 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Instrument :
BNA_F
ClientSampleId :
M-11-S

Tgt Ion: 154 Resp: 1561
Ion Ratio Lower Upper
154 100
153 47.3 21.5 61.5
76 23.6 0.0 33.1

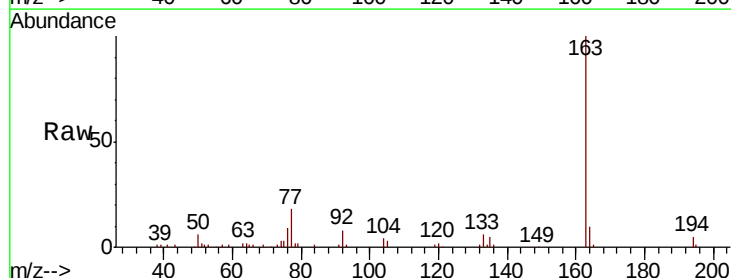


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

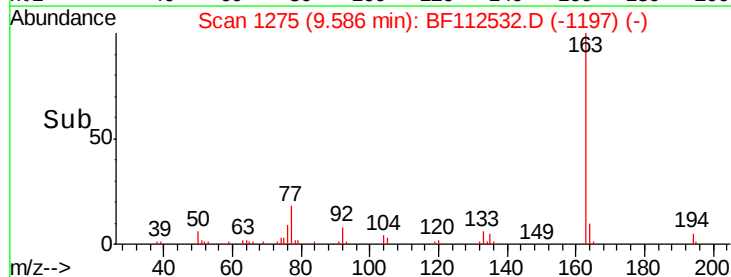
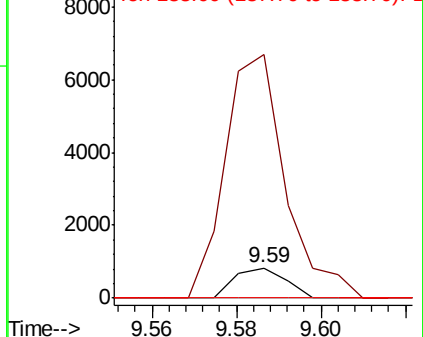


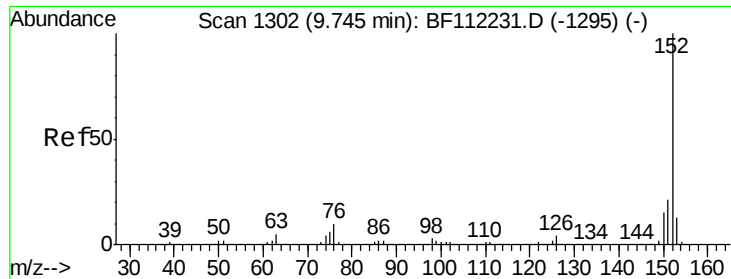
#48
2-Nitroaniline
Concen: 0.187 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.16 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 65 Resp: 694
Ion Ratio Lower Upper
65 100
92 804.9 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): E





#49

Acenaphthylene

Concen: 0.044 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

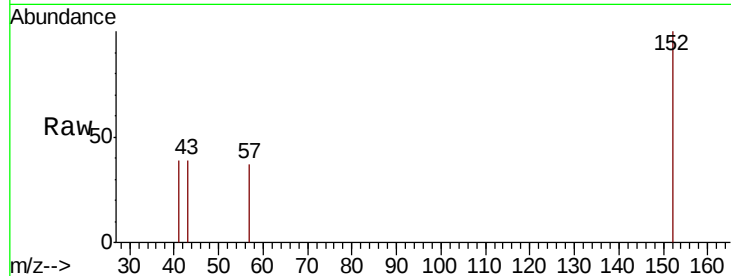
Tgt Ion:152 Resp: 887

Ion Ratio Lower Upper

152 100

151 0.0 17.0 25.6#

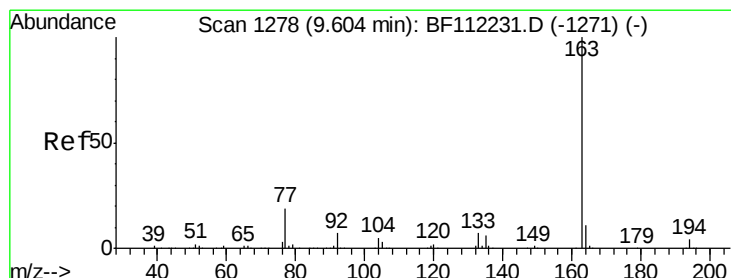
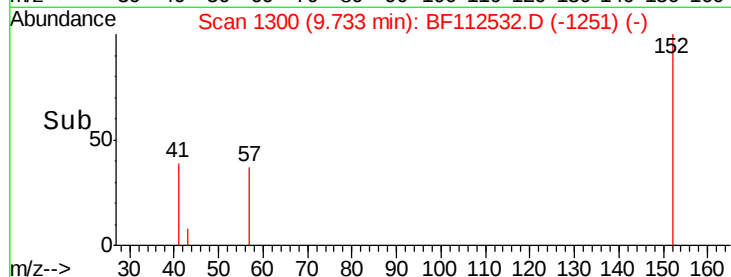
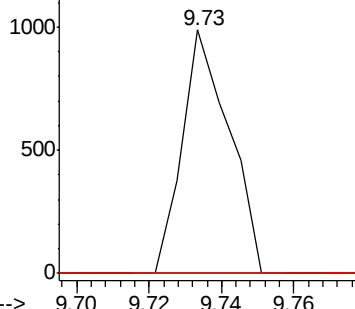
153 0.0 11.2 16.8#



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: 5.144 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

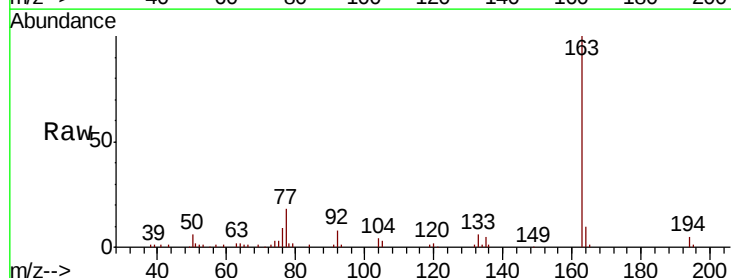
Tgt Ion:163 Resp: 80472

Ion Ratio Lower Upper

163 100

194 4.8 3.3 4.9

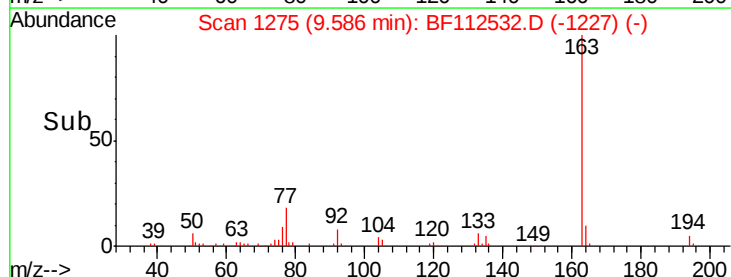
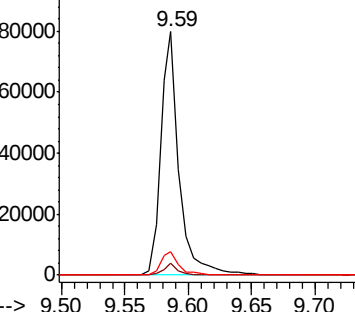
164 9.5 8.5 12.7

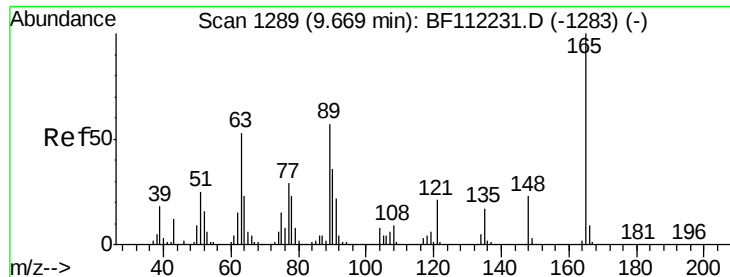


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 0.231 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.08 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

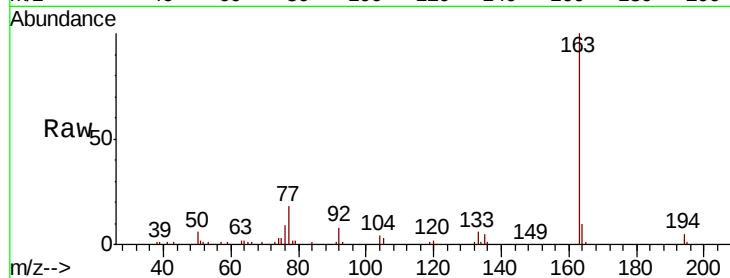
Tgt Ion:165 Resp: 809

Ion Ratio Lower Upper

165 100

63 114.1 33.8 50.8#

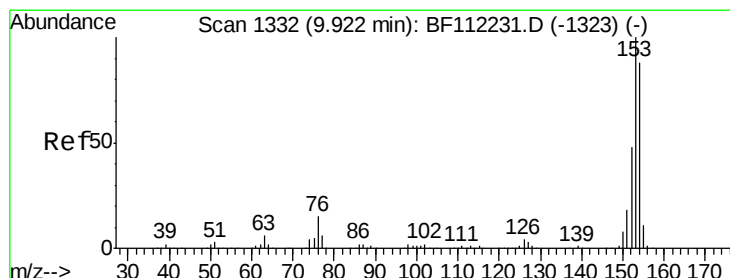
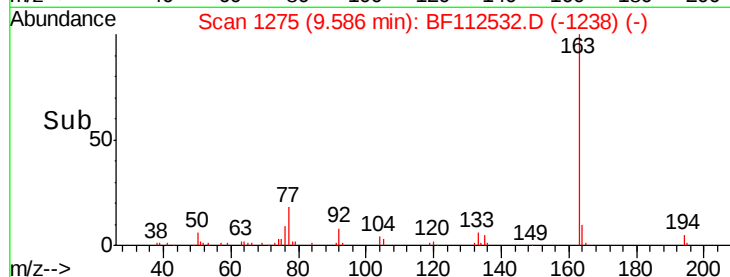
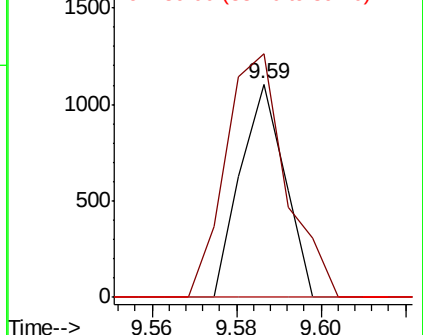
89 0.0 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.045 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.05 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

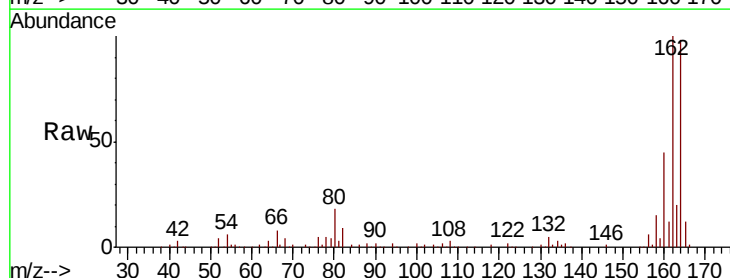
Tgt Ion:154 Resp: 537

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.6#

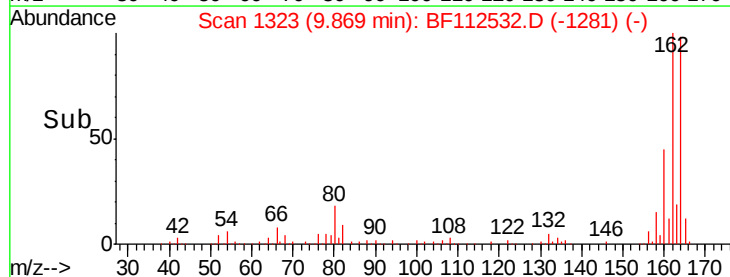
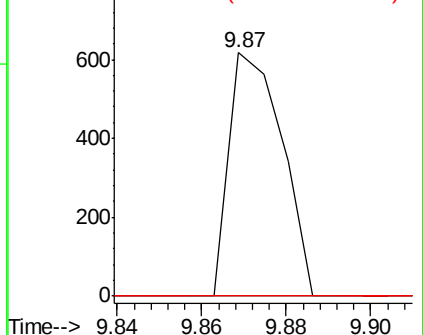
152 0.0 43.5 65.3#

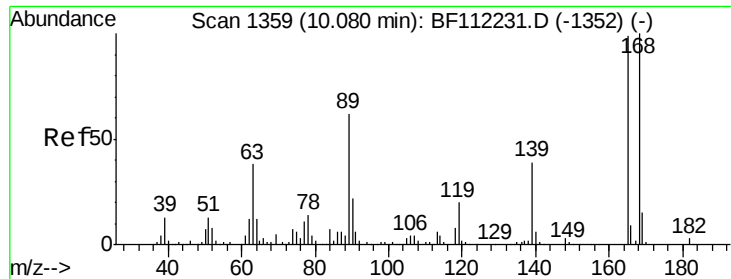


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

2,4-Dinitrotoluene

Concen: 5.452 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

Tgt Ion:165 Resp: 24318

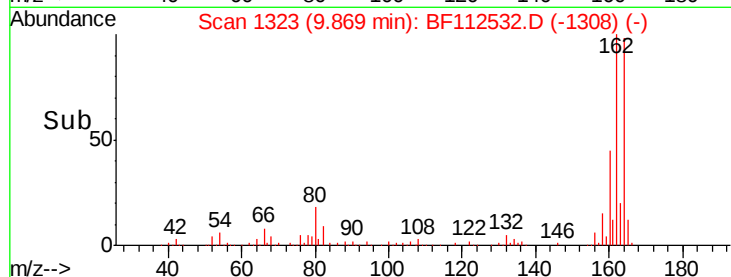
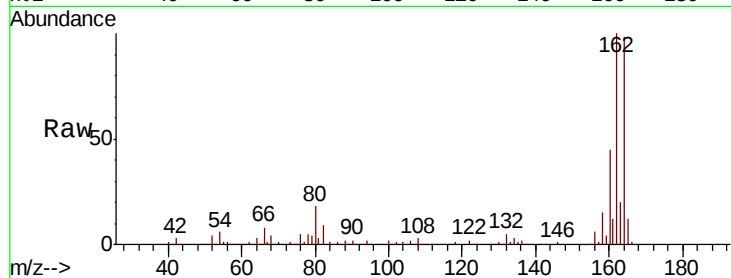
Ion Ratio Lower Upper

165 100

63 1.4 27.9 41.9#

89 1.5 47.9 71.9#

182 0.0 2.2 3.4#

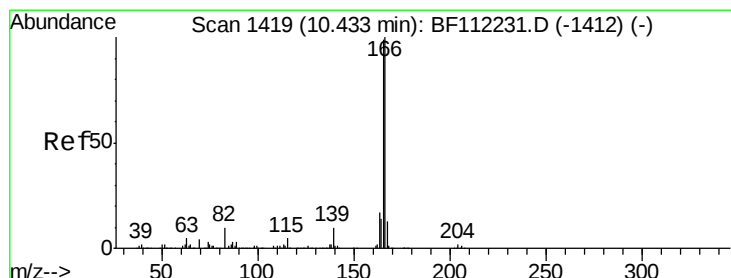
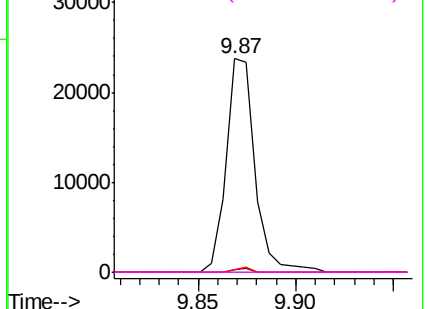


Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.671 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.24 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

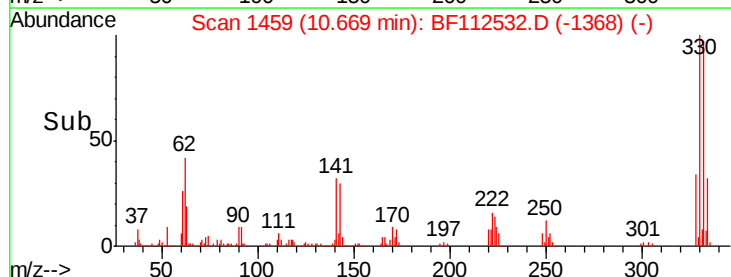
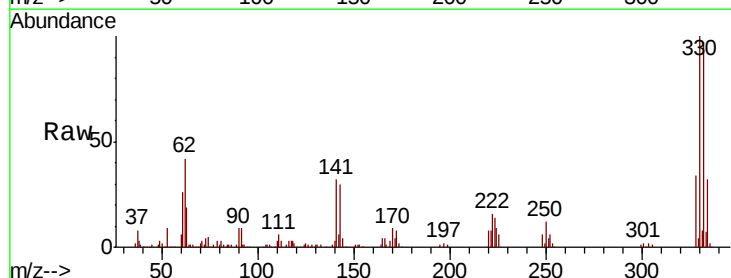
Tgt Ion:166 Resp: 9176

Ion Ratio Lower Upper

166 100

165 97.2 77.1 115.7

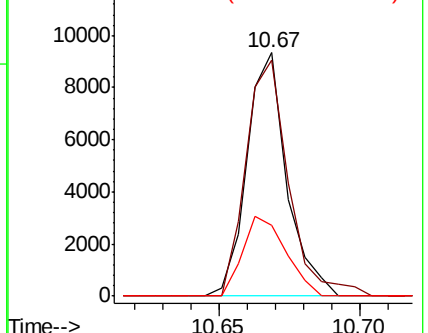
167 29.2 11.3 16.9#

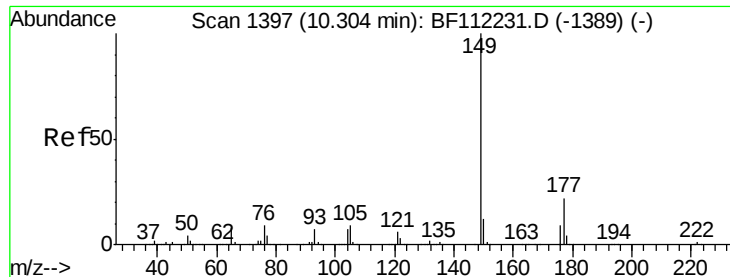


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.055 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

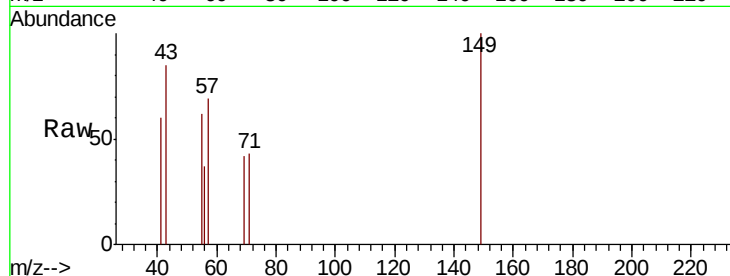
Tgt Ion: 149 Resp: 858

Ion Ratio Lower Upper

149 100

177 0.0 18.2 27.2#

150 0.0 10.4 15.6#

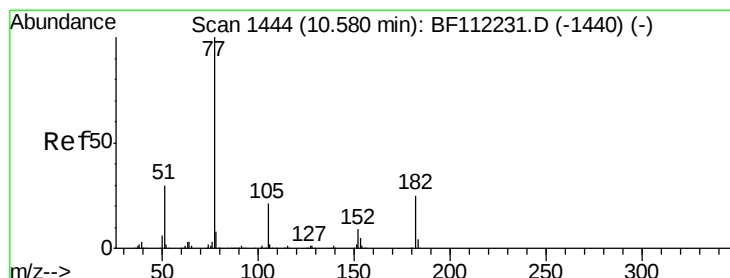
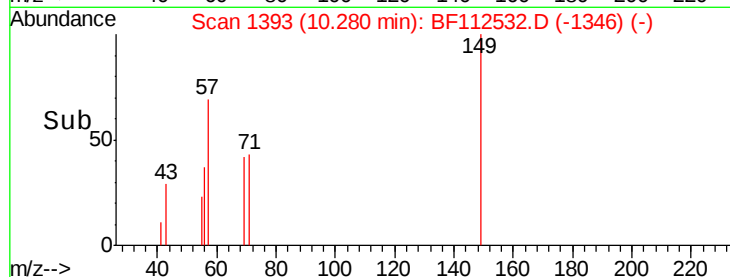
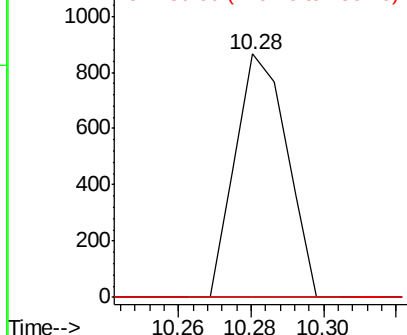


Abundance

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: 0.088 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.09 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Tgt Ion: 77 Resp: 1206

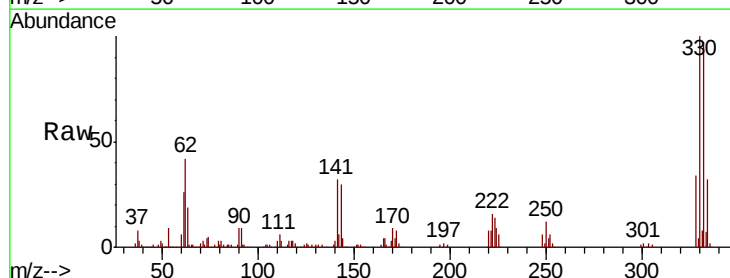
Ion Ratio Lower Upper

77 100

182 0.0 5.7 45.7#

105 100.0 1.4 41.4#

51 75.3 9.5 49.5#



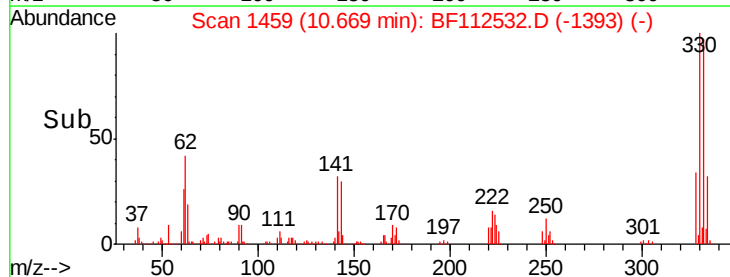
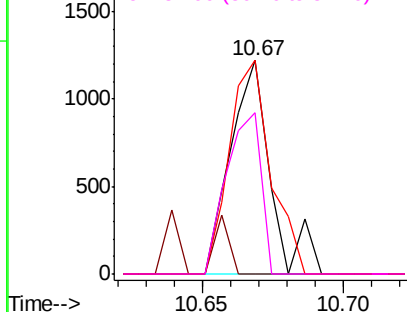
Abundance

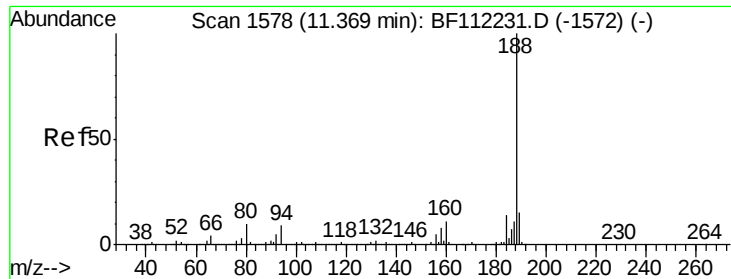
Ion 77.00 (76.70 to 77.70): BF1

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

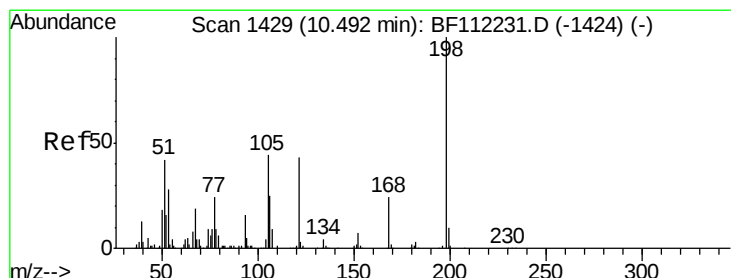
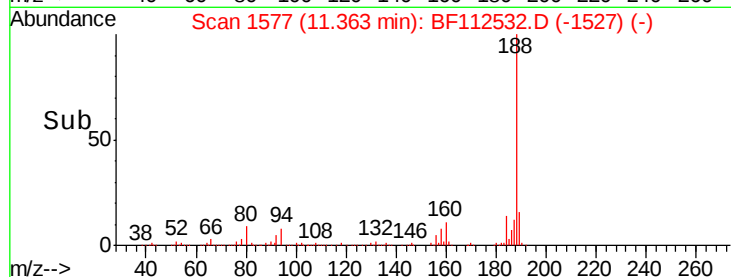
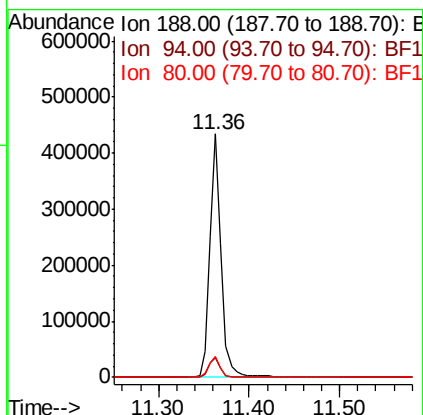
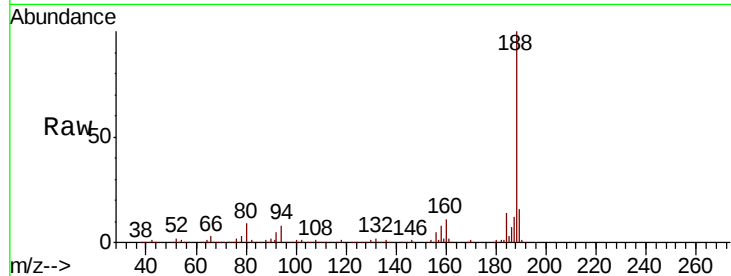




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

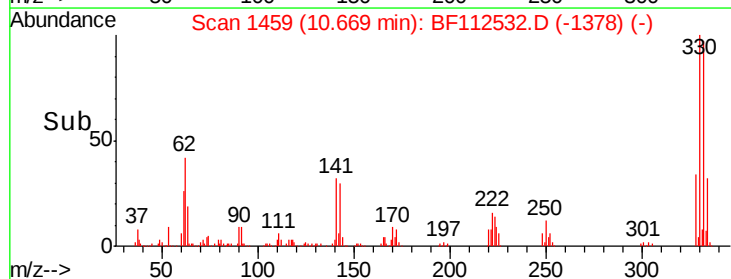
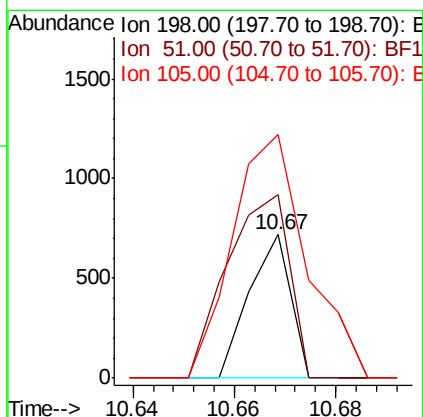
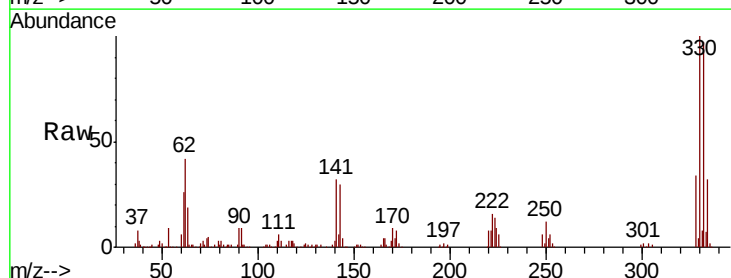
Instrument :
 BNA_F
 ClientSampled :
 M-11-S

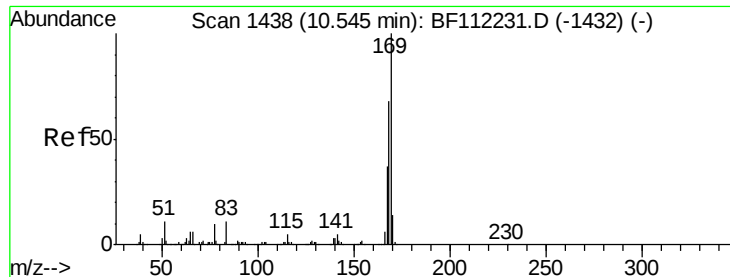
Tgt Ion:188 Resp: 381373
 Ion Ratio Lower Upper
 188 100
 94 7.9 8.2 12.2#
 80 8.8 8.9 13.3#



#65
 4,6-Dinitro-2-methylphenol
 Concen: 0.190 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.18 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

Tgt Ion:198 Resp: 407
 Ion Ratio Lower Upper
 198 100
 51 127.8 17.2 57.2#
 105 169.8 21.9 61.9#

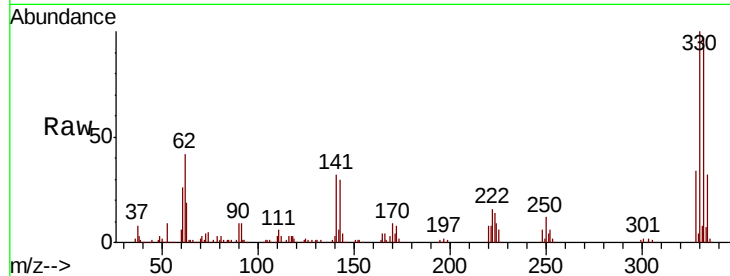




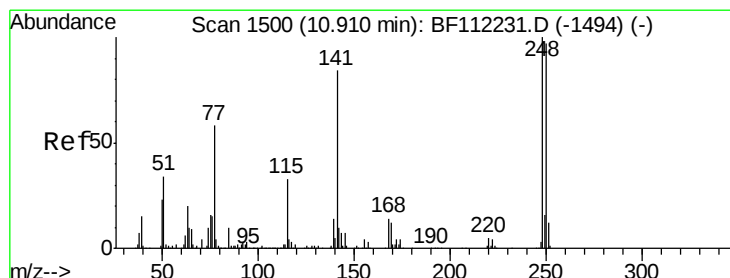
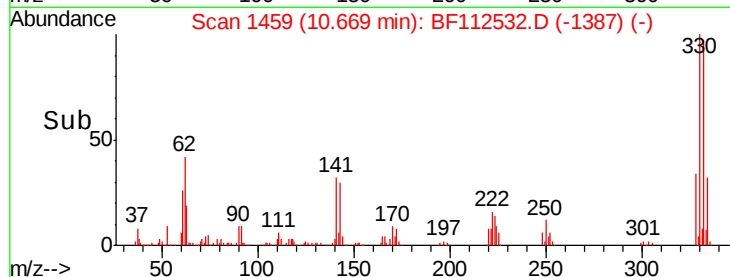
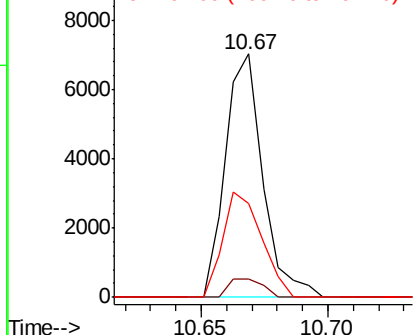
#66
 n-Nitrosodiphenylamine
 Concen: 0.561 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. 0.12 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

Instrument :
 BNA_F
 ClientSampleId :
 M-11-S

Tgt Ion:169 Resp: 7212
 Ion Ratio Lower Upper
 169 100
 168 7.6 53.9 80.9#
 167 38.8 28.9 43.3

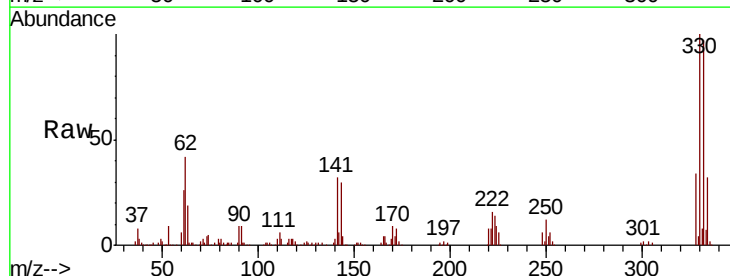


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

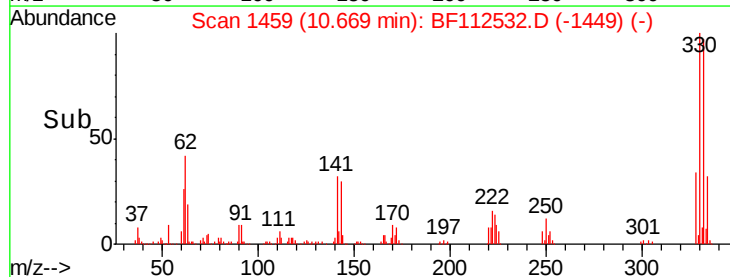
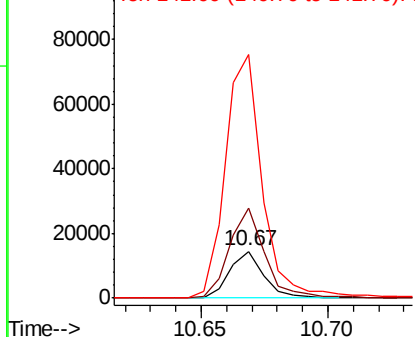


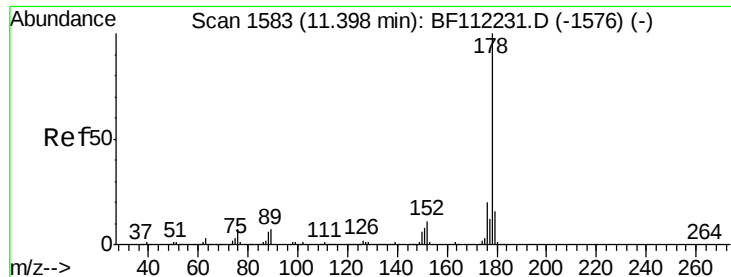
#67
 4-Bromophenyl-phenylether
 Concen: 3.018 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

Tgt Ion:248 Resp: 13539
 Ion Ratio Lower Upper
 248 100
 250 192.4 79.7 119.5#
 141 522.4 60.3 90.5#



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

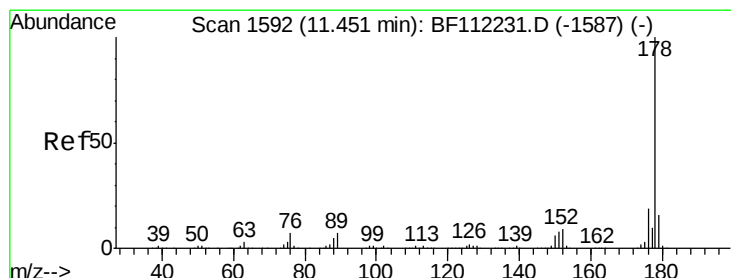
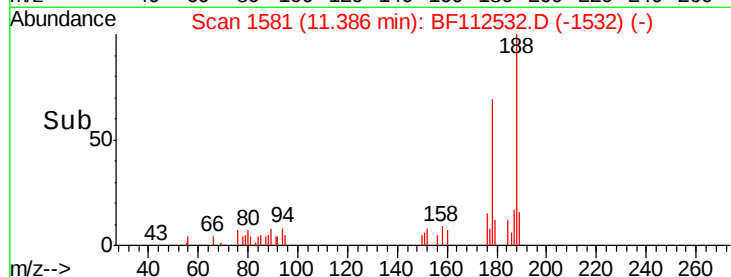
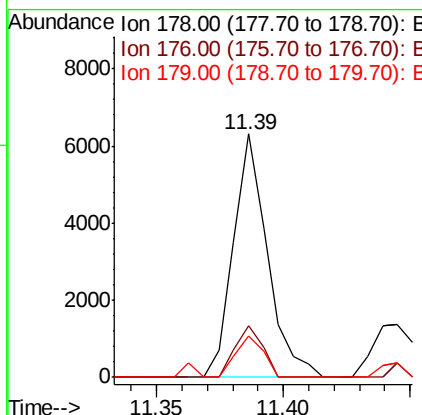
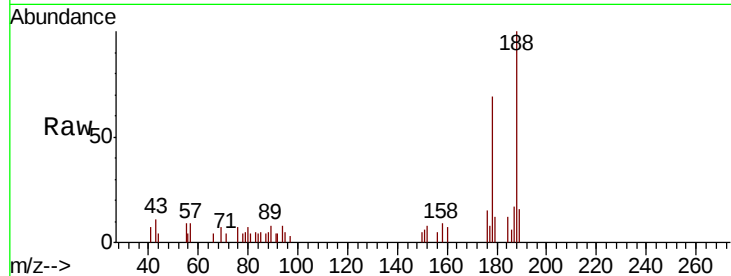




#71
Phenanthrene
Concen: 0.296 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

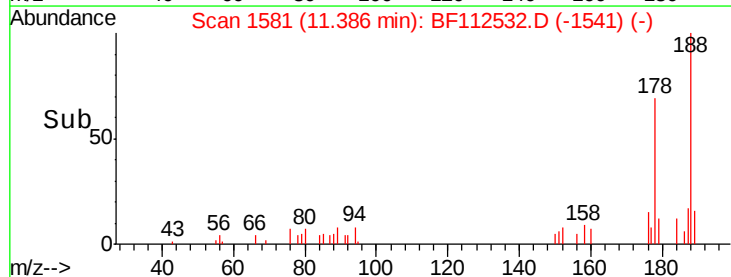
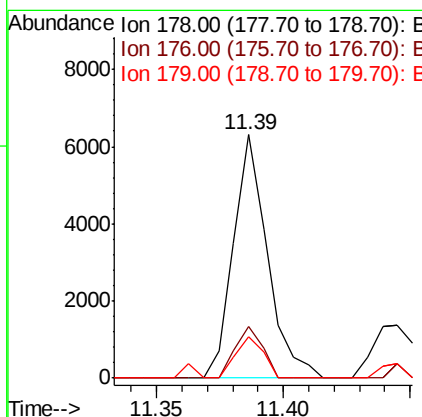
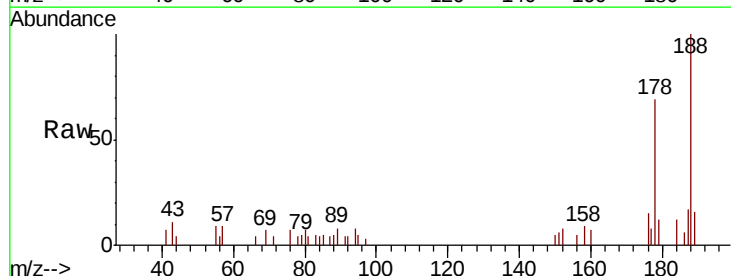
Instrument :
BNA_F
ClientSampleId :
M-11-S

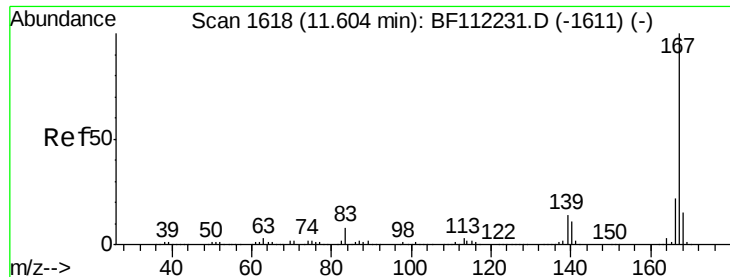
Tgt Ion:178 Resp: 5872
Ion Ratio Lower Upper
178 100
176 21.5 16.3 24.5
179 16.8 13.0 19.4



#72
Anthracene
Concen: 0.297 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.06 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion:178 Resp: 5872
Ion Ratio Lower Upper
178 100
176 21.5 15.5 23.3
179 16.8 12.8 19.2





#73

Carbazole

Concen: 0.005 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

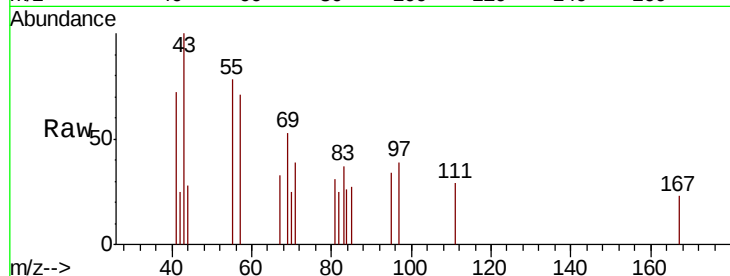
Tgt Ion:167 Resp: 107

Ion Ratio Lower Upper

167 100

166 0.0 17.9 26.9#

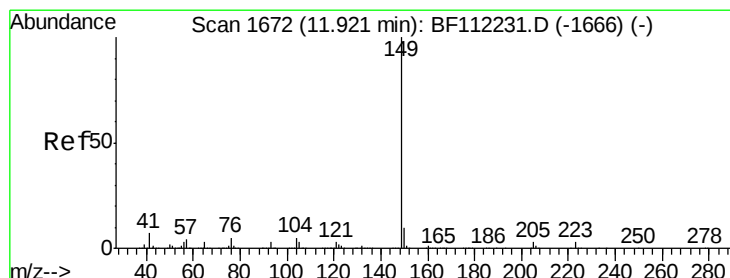
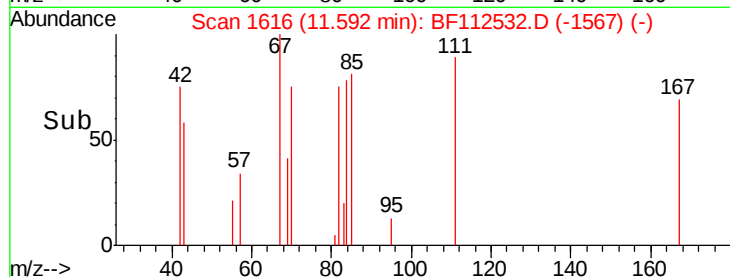
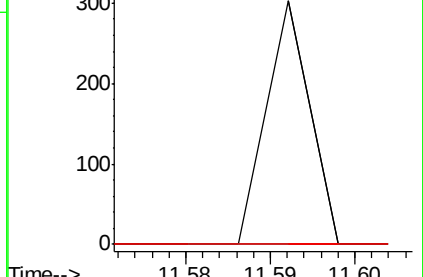
139 0.0 10.2 15.2#



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



#74

Di-n-butylphthalate

Concen: 0.065 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

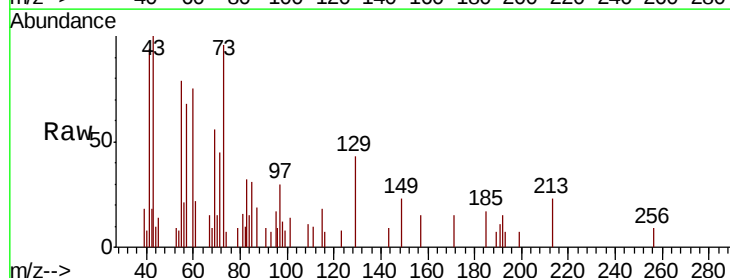
Tgt Ion:149 Resp: 1562

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

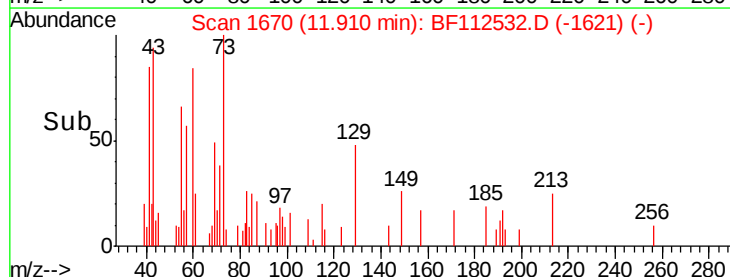
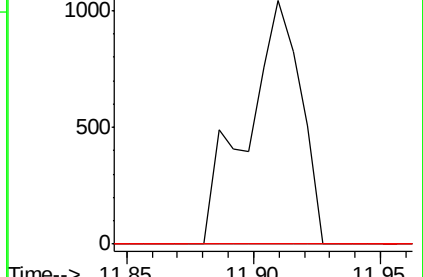
104 0.0 3.9 5.9#

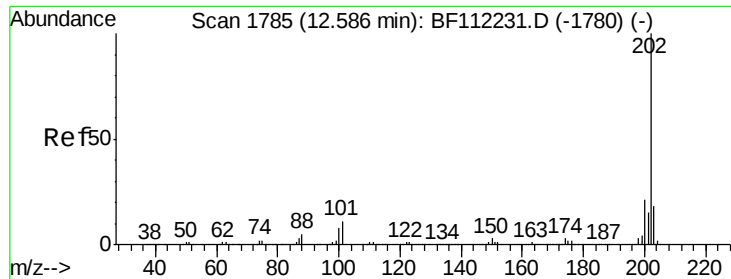


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 1.510 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

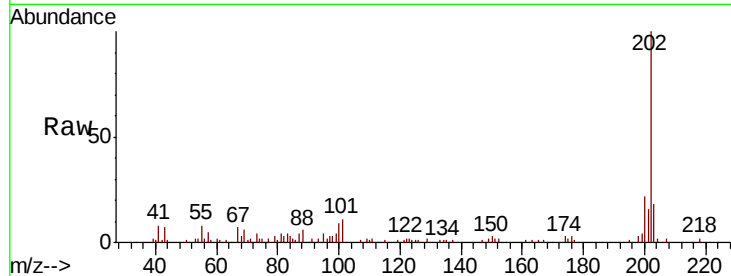
Instrument :

BNA_F

ClientSampleId :

M-11-S

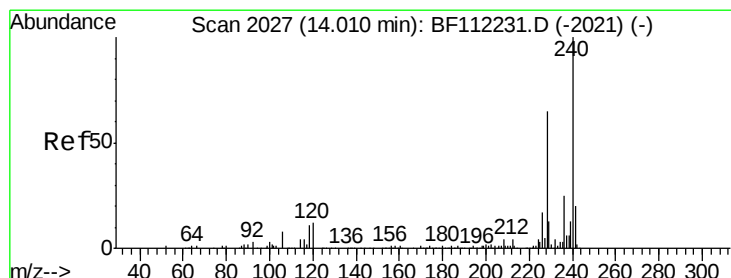
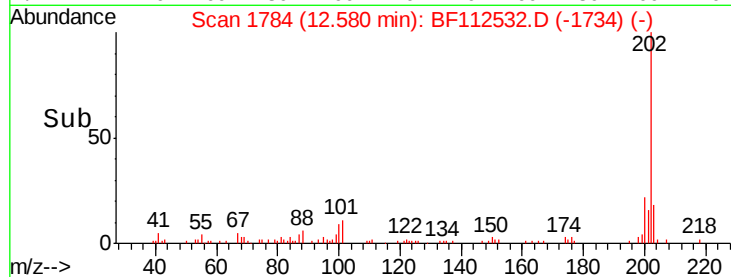
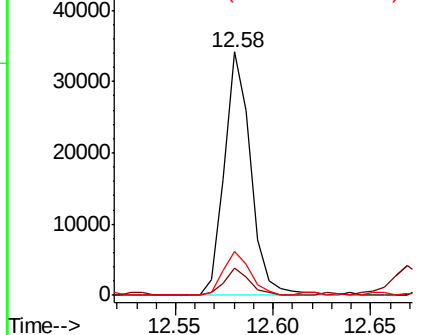
Tgt Ion:	202	Resp:	32103
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.8
203	18.3	0.0	38.4



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

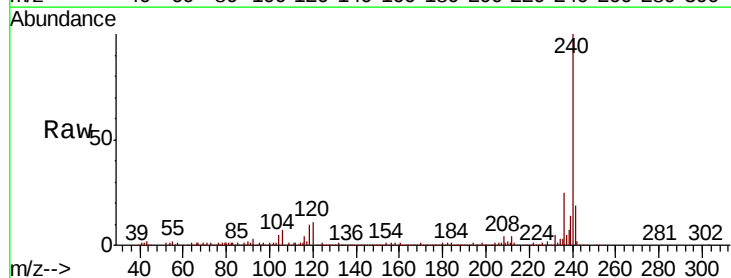
RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

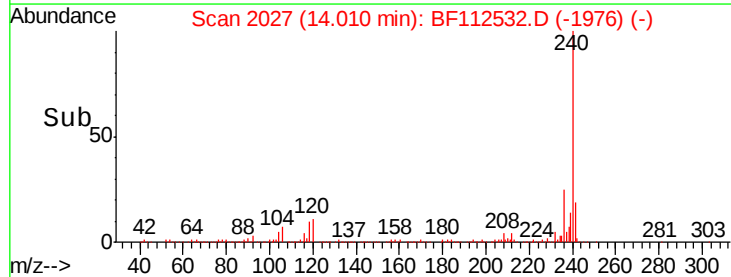
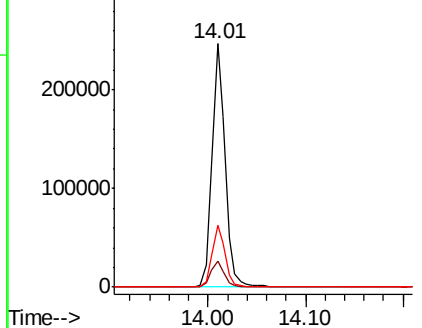
Tgt Ion:	240	Resp:	230049
Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.0	13.6
236	25.4	20.7	31.1

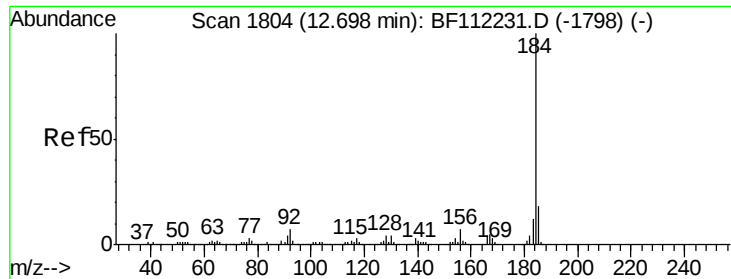


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.070 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.25 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

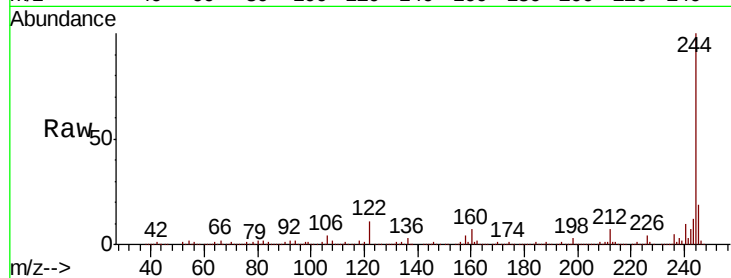
Tgt Ion:184 Resp: 13109

Ion Ratio Lower Upper

184 100

185 20.8 13.9 20.9

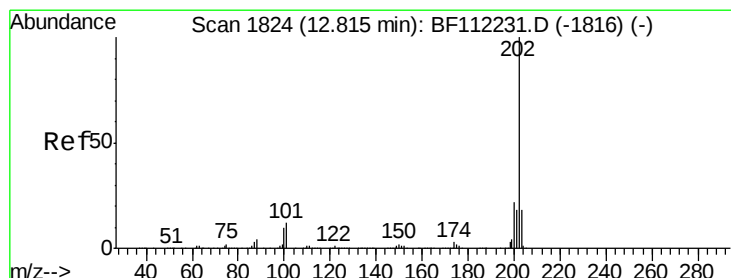
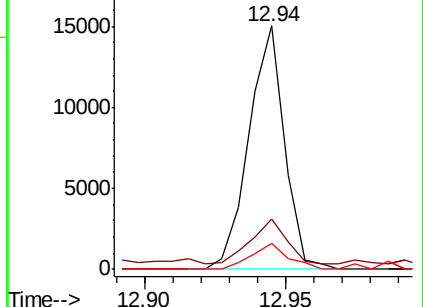
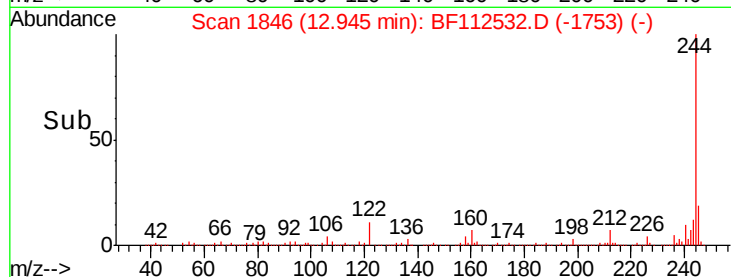
183 10.9 10.0 15.0



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: 1.923 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

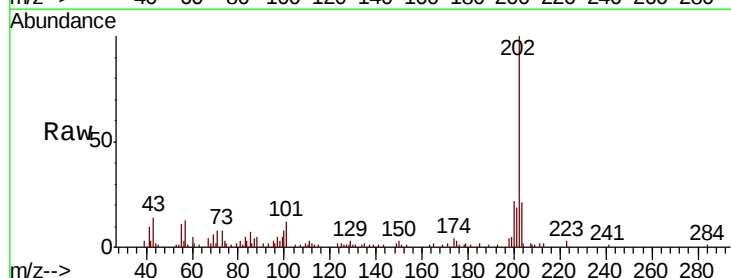
Tgt Ion:202 Resp: 30625

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

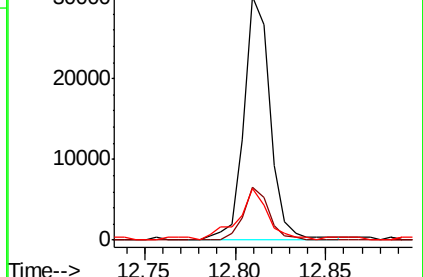
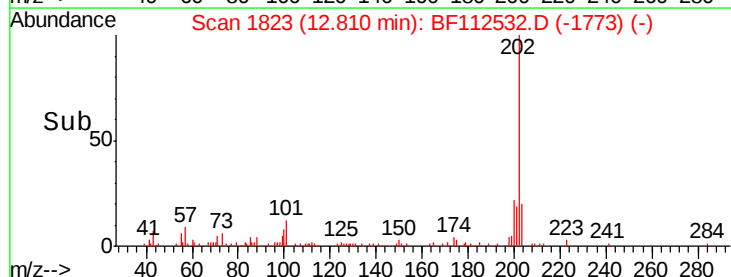
203 21.0 14.6 22.0

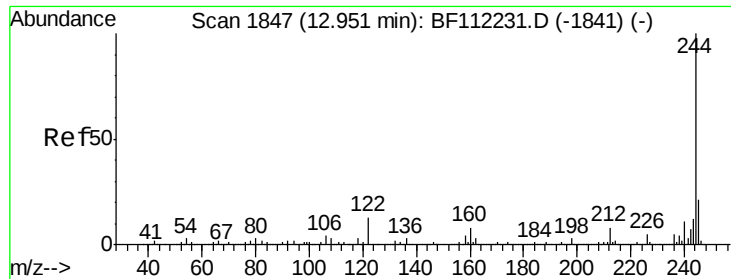


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

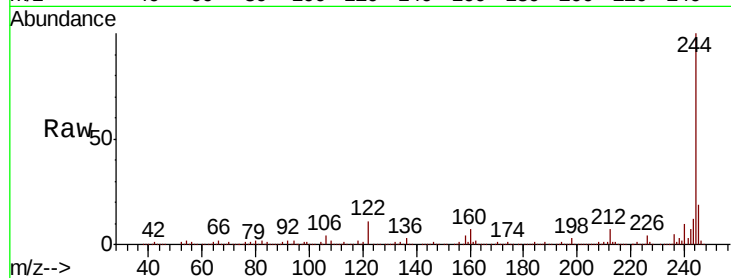




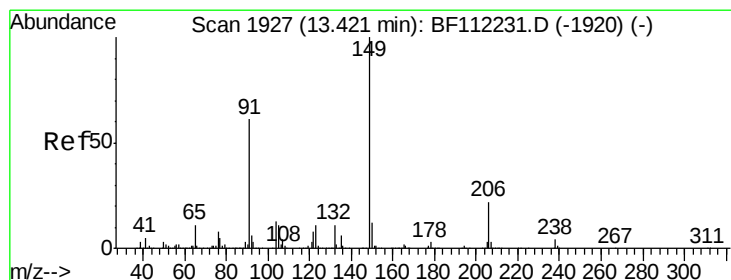
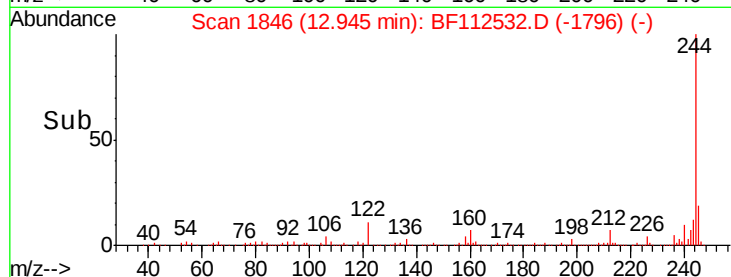
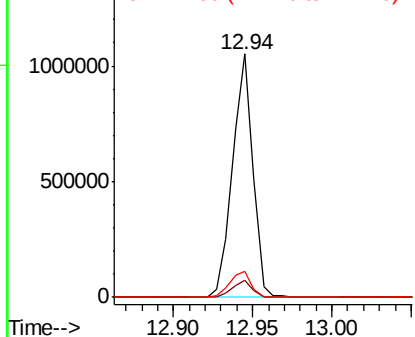
#79
 Terphenyl-d14
 Concen: 76.727 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

Instrument :
 BNA_F
 ClientSampleId :
 M-11-S

Tgt Ion:244 Resp: 937167
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 10.7 9.8 14.6

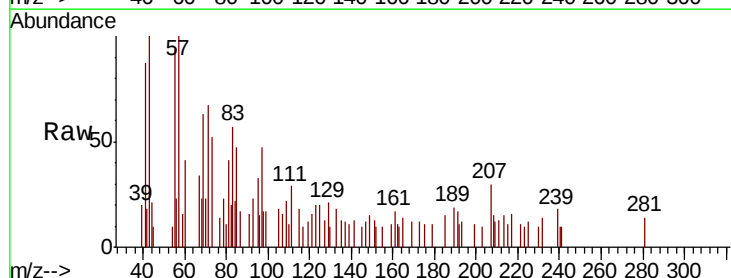


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

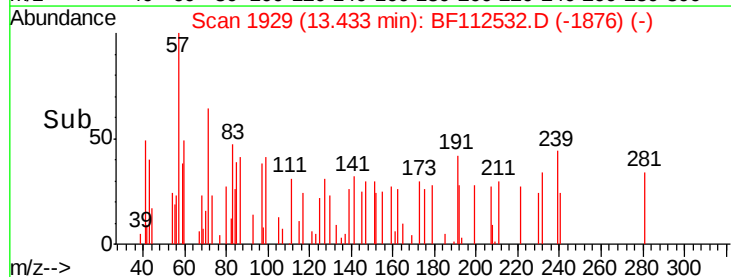
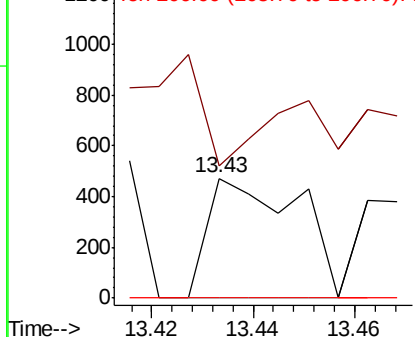


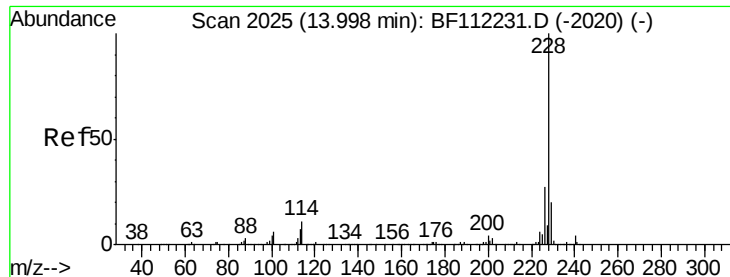
#80
 Butylbenzylphthalate
 Concen: 0.076 ng
 RT: 13.43 min Scan# 1929
 Delta R.T. 0.01 min
 Lab File: BF112532.D
 Acq: 13 Feb 2019 12:05

Tgt Ion:149 Resp: 582
 Ion Ratio Lower Upper
 149 100
 91 110.2 50.3 75.5#
 206 0.0 18.2 27.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1.076 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.04 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

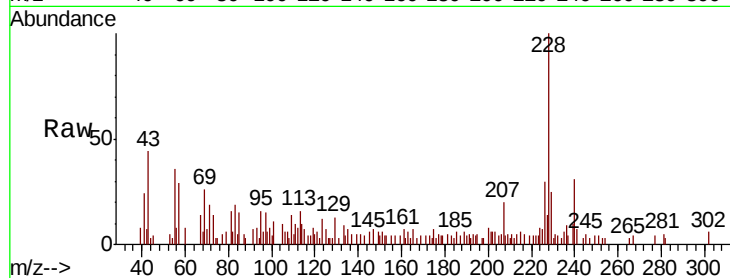
Tgt Ion:228 Resp: 14558

Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

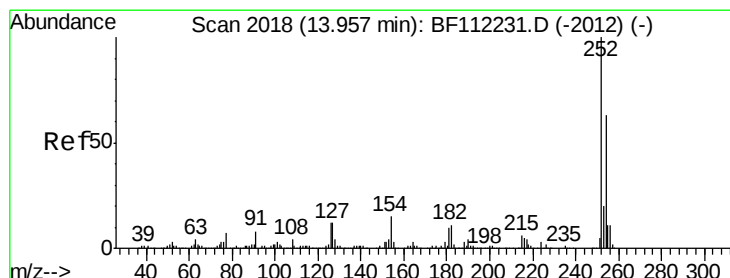
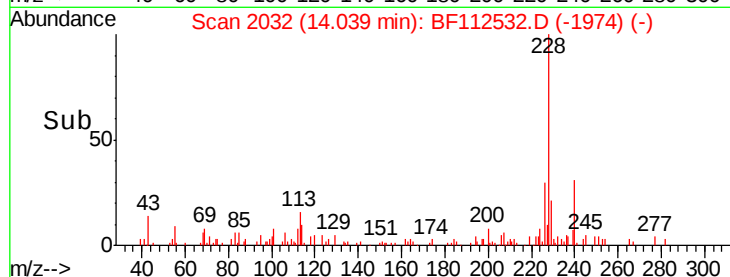
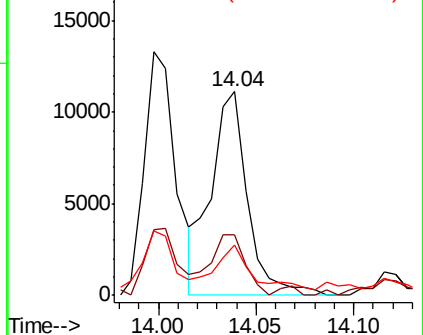
229 24.6 16.5 24.7



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: 0.026 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

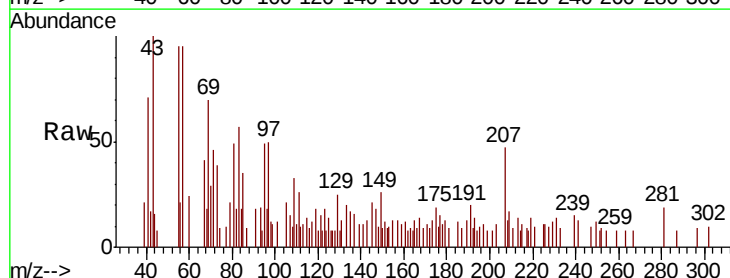
Tgt Ion:252 Resp: 131

Ion Ratio Lower Upper

252 100

254 87.6 51.6 77.4#

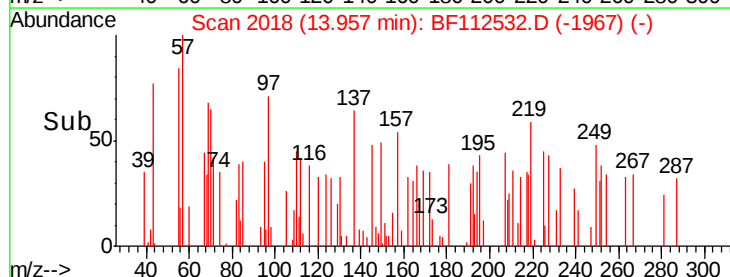
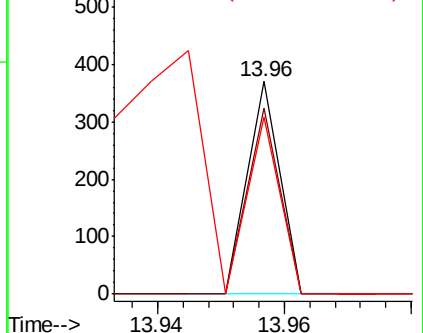
126 83.2 8.6 12.8#

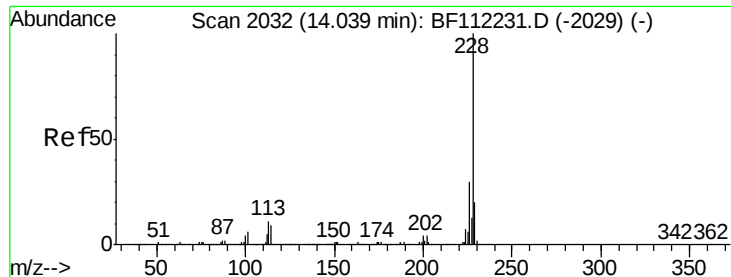


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 1.128 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

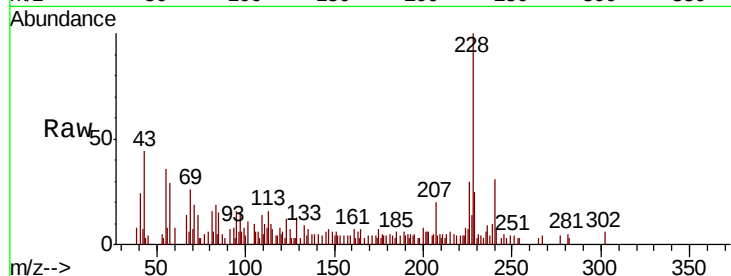
Tgt Ion:228 Resp: 14558

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

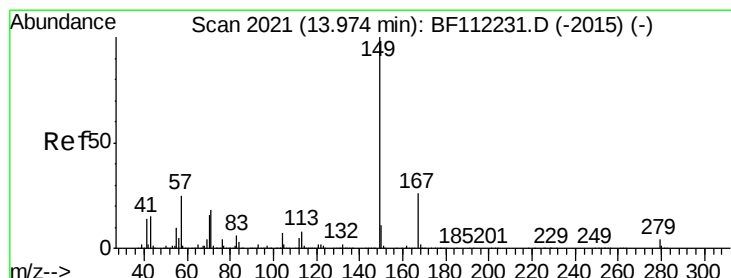
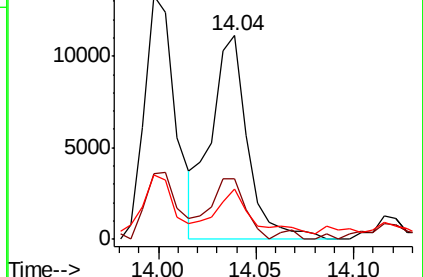
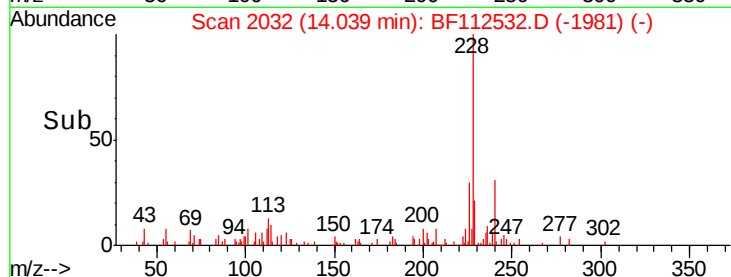
229 24.6 16.6 24.8



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: 0.204 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

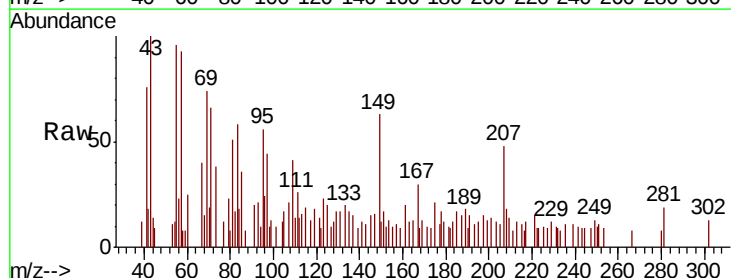
Tgt Ion:149 Resp: 2230

Ion Ratio Lower Upper

149 100

167 47.1 22.5 33.7#

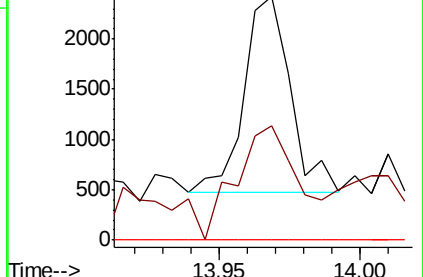
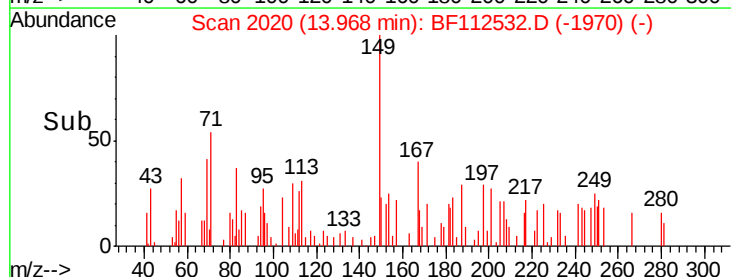
279 0.0 3.8 5.6#

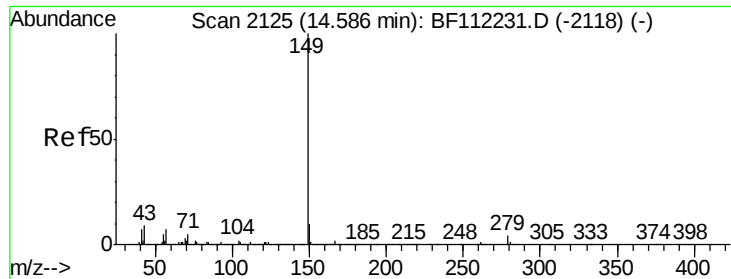


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

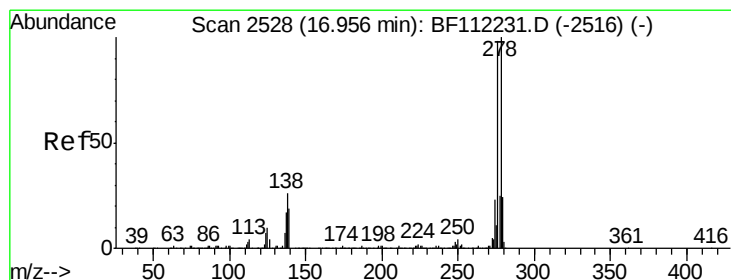
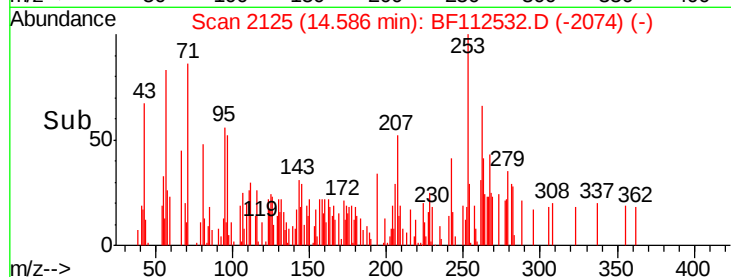
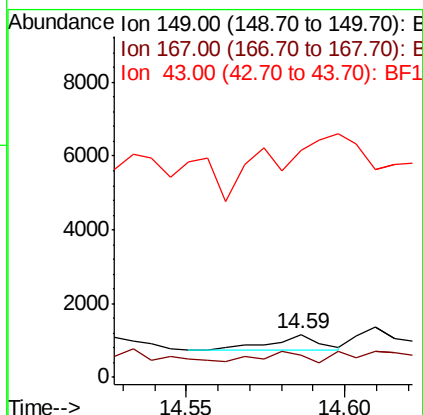
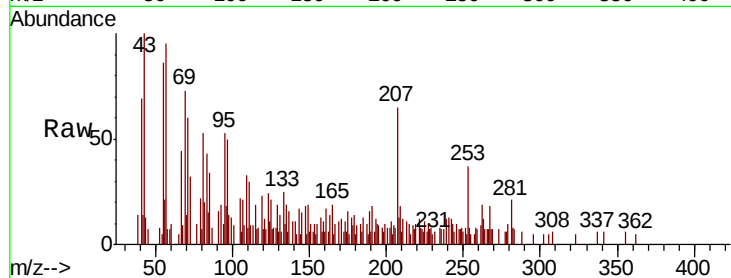




#85
Di-n-octyl phthalate
Concen: 0.028 ng
RT: 14.59 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

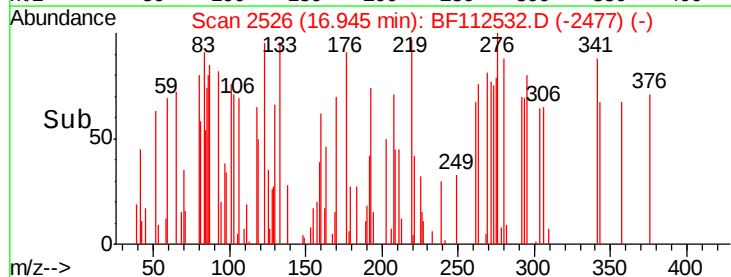
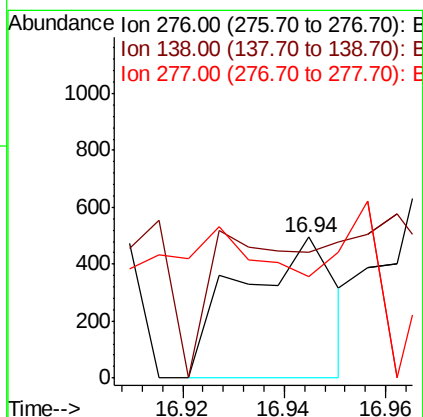
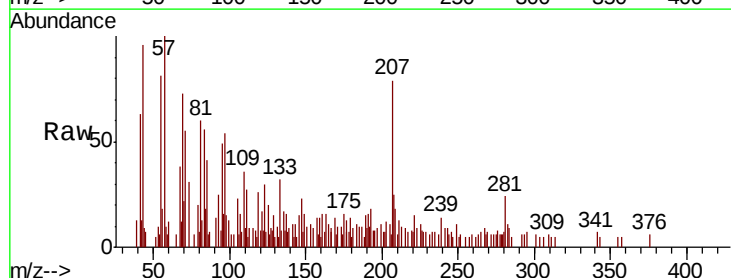
Instrument :
BNA_F
ClientSampleId :
M-11-S

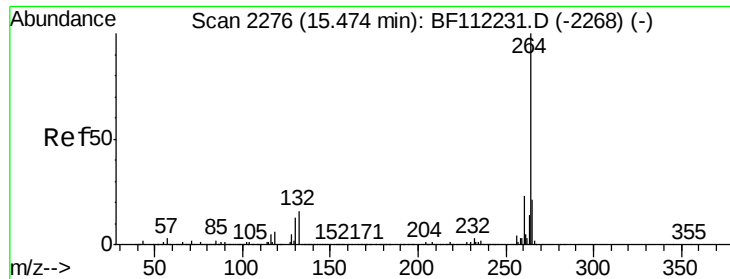
Tgt Ion: 149 Resp: 466
Ion Ratio Lower Upper
149 100
167 62.2 1.3 1.9#
43 0.0 7.8 11.6#



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.063 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 276 Resp: 643
Ion Ratio Lower Upper
276 100
138 102.6 22.6 34.0#
277 0.0 20.3 30.5#

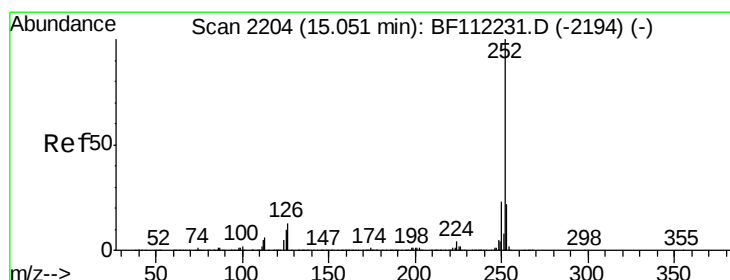
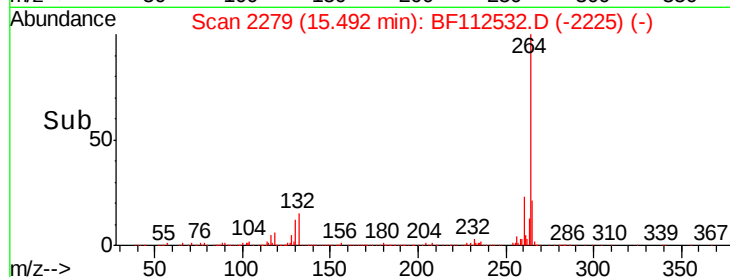
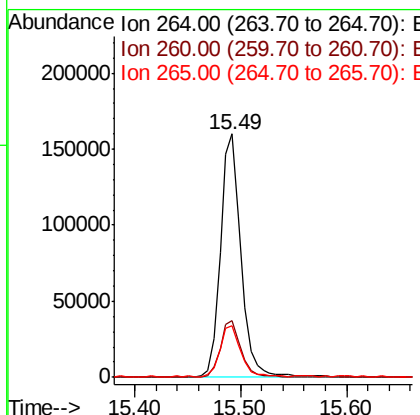
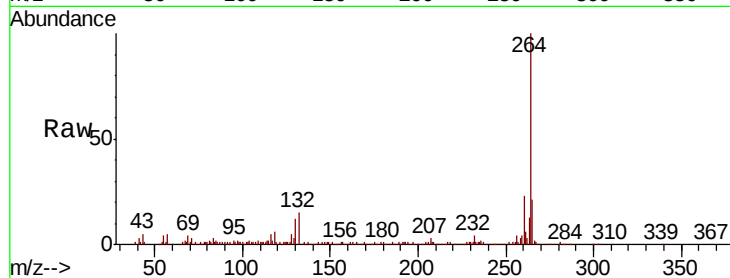




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

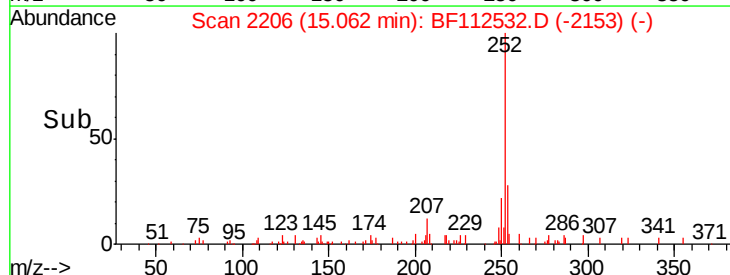
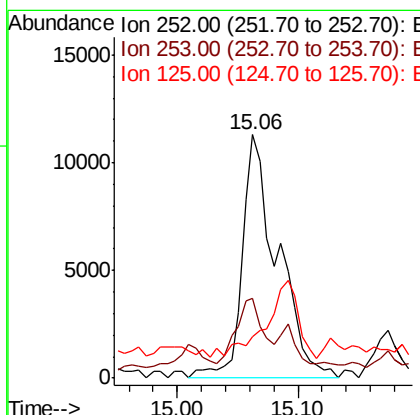
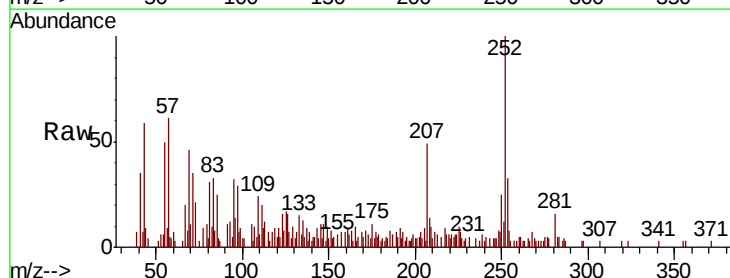
Instrument :
BNA_F
ClientSampleId :
M-11-S

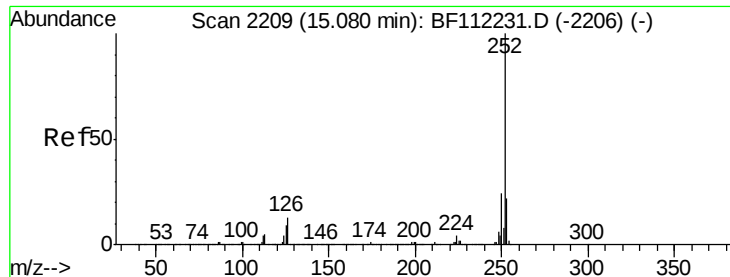
Tgt Ion: 264 Resp: 217261
Ion Ratio Lower Upper
264 100
260 23.1 18.2 27.2
265 21.3 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 1.778 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 252 Resp: 23098
Ion Ratio Lower Upper
252 100
253 33.0 18.0 27.0#
125 17.2 8.7 13.1#

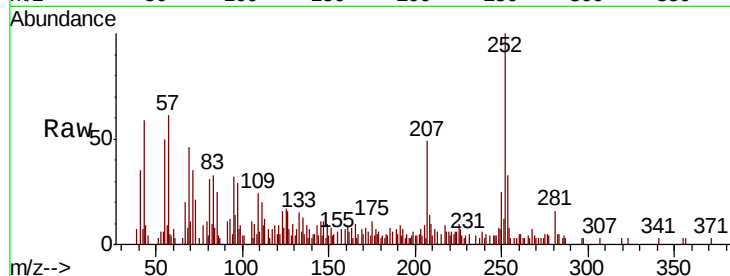




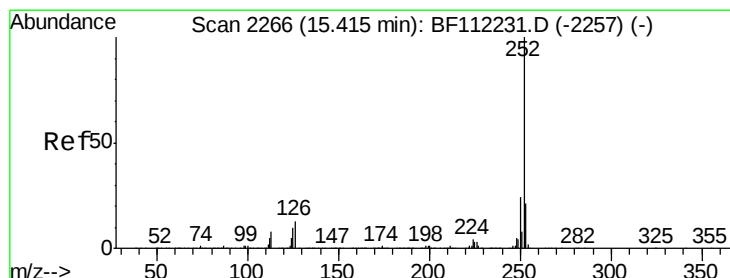
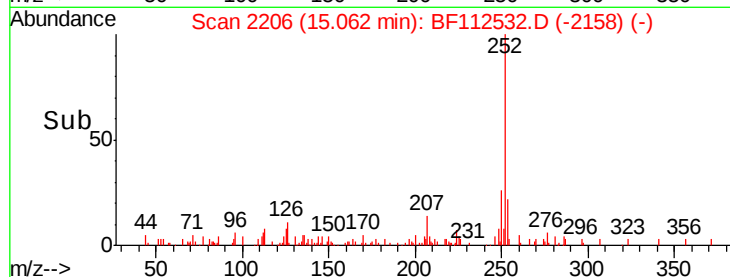
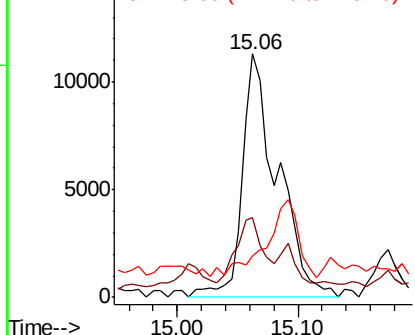
#89
Benzo(k)fluoranthene
Concen: 1.856 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Instrument :
BNA_F
ClientSampleId :
M-11-S

Tgt Ion: 252 Resp: 23098
Ion Ratio Lower Upper
252 100
253 33.0 18.0 27.0#
125 17.2 9.1 13.7#

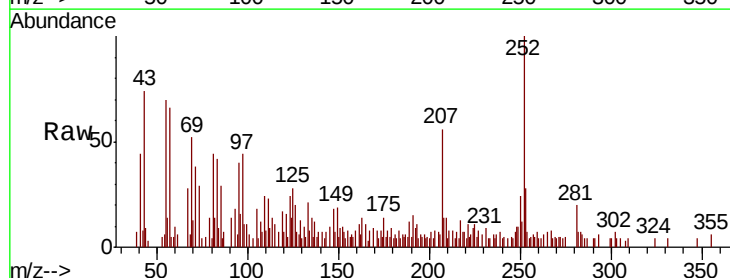


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

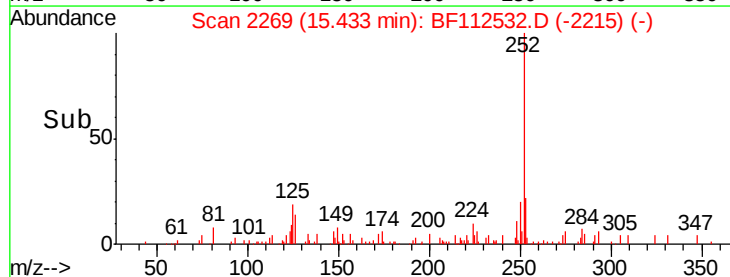
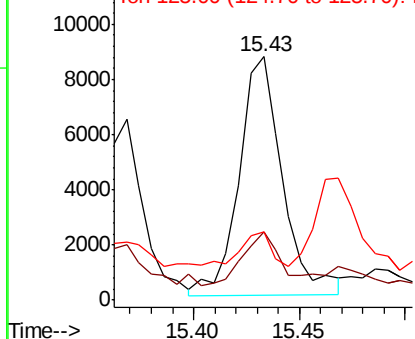


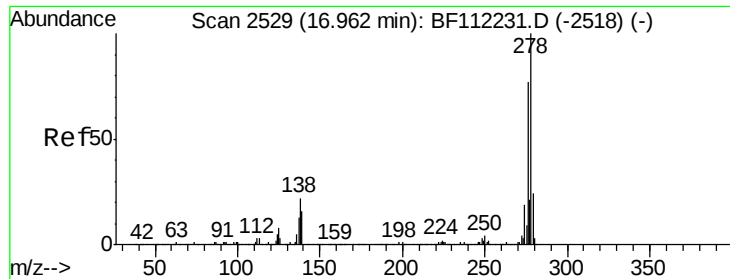
#90
Benzo(a)pyrene
Concen: 1.051 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112532.D
Acq: 13 Feb 2019 12:05

Tgt Ion: 252 Resp: 12283
Ion Ratio Lower Upper
252 100
253 27.9 17.5 26.3#
125 28.1 9.0 13.4#



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





#91

Dibenzo(a,h)anthracene

Concen: 0.335 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

Instrument :

BNA_F

ClientSampleId :

M-11-S

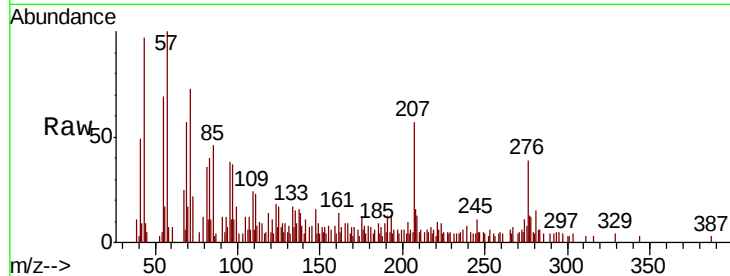
Tgt Ion:278 Resp: 3153

Ion Ratio Lower Upper

278 100

139 64.9 13.7 20.5#

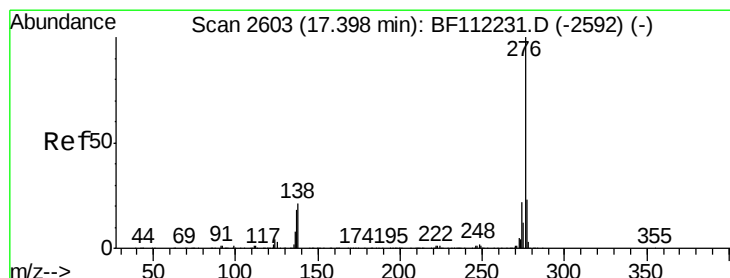
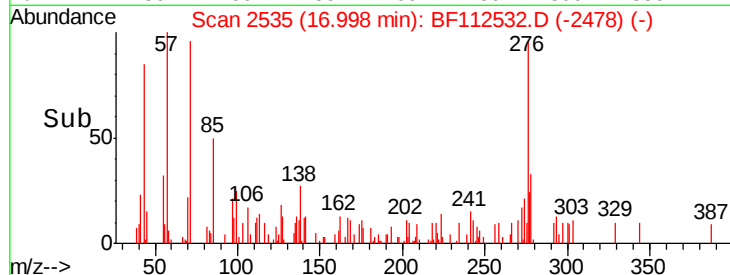
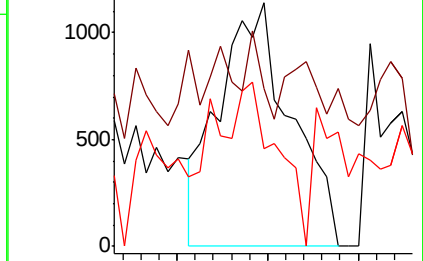
279 40.3 19.0 28.6#



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: 1.111 ng

RT: 17.45 min Scan# 2612

Delta R.T. 0.05 min

Lab File: BF112532.D

Acq: 13 Feb 2019 12:05

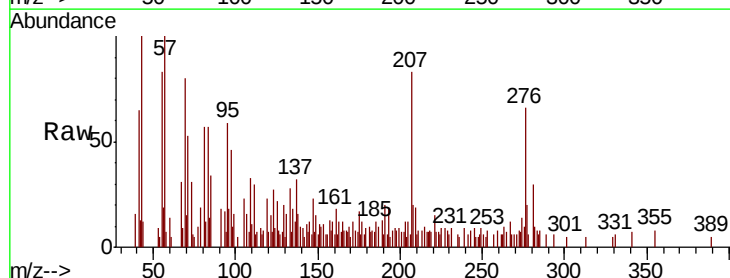
Tgt Ion:276 Resp: 9876

Ion Ratio Lower Upper

276 100

277 29.7 19.4 29.0#

138 24.8 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

