

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111918\
 Data File : BF110864.D
 Acq On : 19 Nov 2018 20:15
 Operator : JU/SJ
 Sample : J5993-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180929-AMENDED-WCC-2-COMP

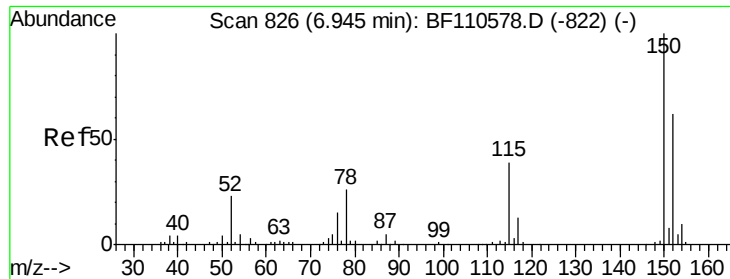
Quant Time: Nov 20 00:36:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	52970	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	210426	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	89303	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	132741	20.00	ng	0.00
76) Chrysene-d12	14.14	240	113069	20.00	ng	0.00
87) Perylene-d12	15.67	264	75765	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	139743	42.85	ng	0.00
7) Phenol-d6	6.57	99	400163	95.96	ng	0.00
23) Nitrobenzene-d5	7.51	82	283400	77.56	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	19618	21.80	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	474493	75.88	ng	0.00
79) Terphenyl-d14	13.06	244	378078	62.62	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.49	77	870	Below Cal	#	1
10) Phenol	6.58	94	22245	4.600 ng		81
18) Hexachloroethane	7.46	117	4341	2.768 ng	#	1
22) Acetophenone	7.33	105	15361	3.132 ng	#	61
25) Isophorone	7.83	82	12136	2.026 ng	#	63
37) 2-Methylnaphthalene	8.94	142	24733	3.819 ng		97
38) 1-Methylnaphthalene	9.04	142	18236	2.928 ng	#	93
50) Dimethylphthalate	9.69	163	29969	4.497 ng	#	97
54) 2,4-Dinitrophenol	10.19	184	142	4.931 ng	#	1
56) 4-Nitrophenol	10.09	139	3299	2.928 ng	#	15
66) n-Nitrosodiphenylamine	10.64	169	17679	3.951 ng	#	42
71) Phenanthrene	11.50	178	44159	6.209 ng	#	94
75) Fluoranthene	12.70	202	36501	5.119 ng		97
78) Pyrene	12.70	202	36501	4.193 ng		96
81) Benzo(a)anthracene	14.13	228	19737	2.920 ng	#	68
83) Chrysene	14.16	228	24722	3.840 ng	#	81
84) Bis(2-ethylhexyl)phthalate	14.07	149	23066	4.962 ng	#	94
88) Benzo(b)fluoranthene	15.22	252	14078	3.106 ng	#	49
89) Benzo(k)fluoranthene	15.22	252	14078	3.143 ng	#	49
90) Benzo(a)pyrene	15.60	252	10434	2.534 ng	#	67
92) Benzo(g,h,i)perylene	17.74	276	10190	2.947 ng	#	74

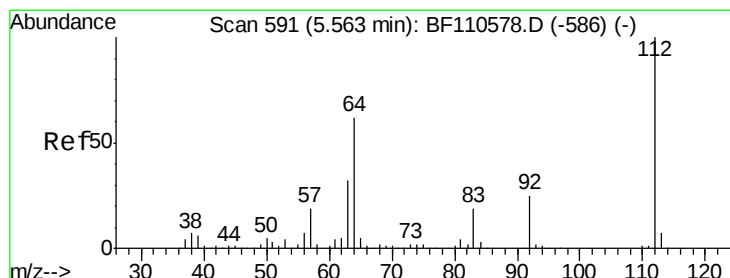
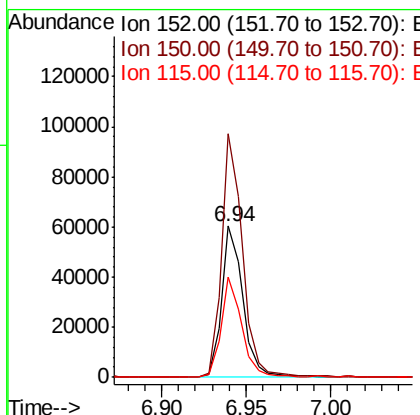
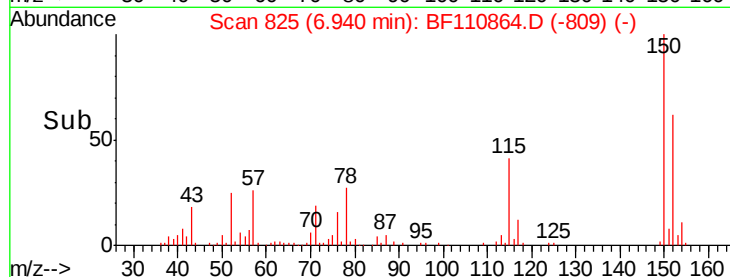
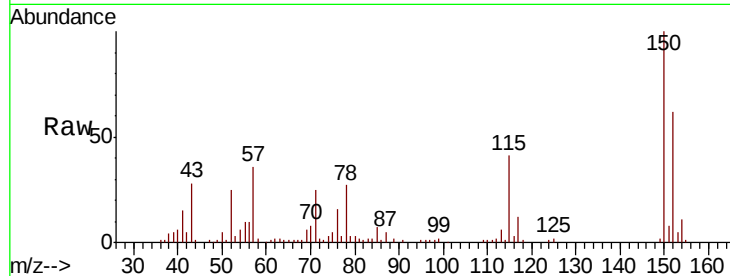
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

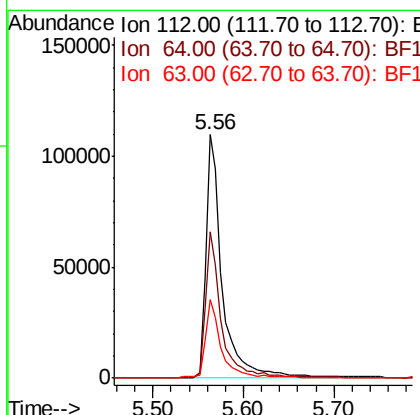
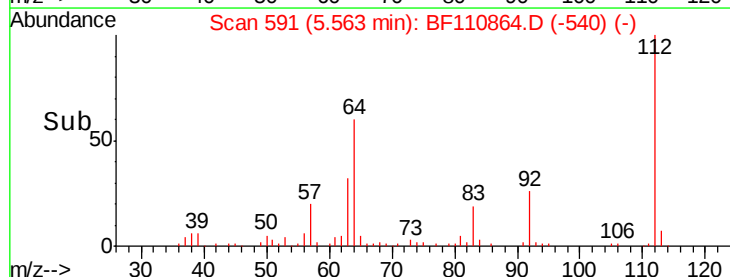
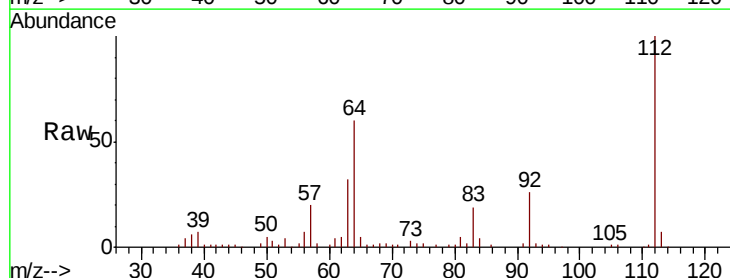
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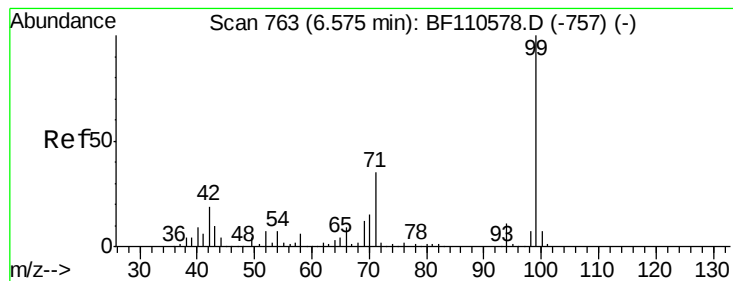
Tgt Ion:152 Resp: 52970
 Ion Ratio Lower Upper
 152 100
 150 160.8 122.7 184.1
 115 66.2 49.1 73.7



#5
 2-Fluorophenol
 Concen: 42.852 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

Tgt Ion:112 Resp: 139743
 Ion Ratio Lower Upper
 112 100
 64 60.2 44.1 66.1
 63 32.4 23.7 35.5





#7

Phenol-d6

Concen: 95.960 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

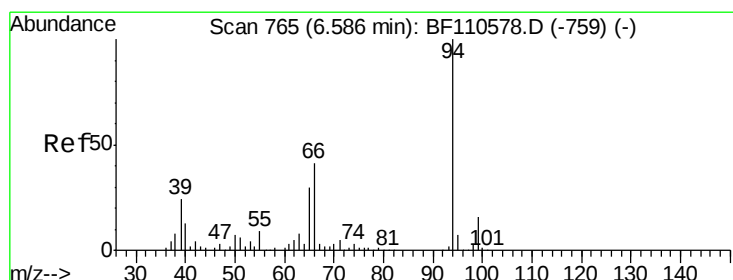
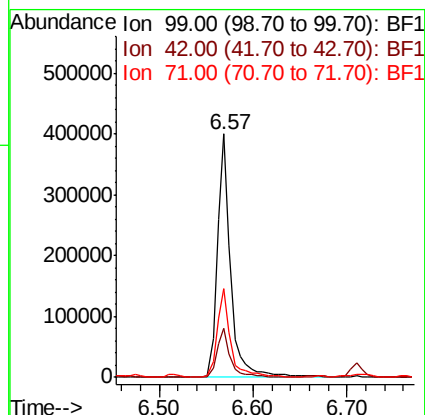
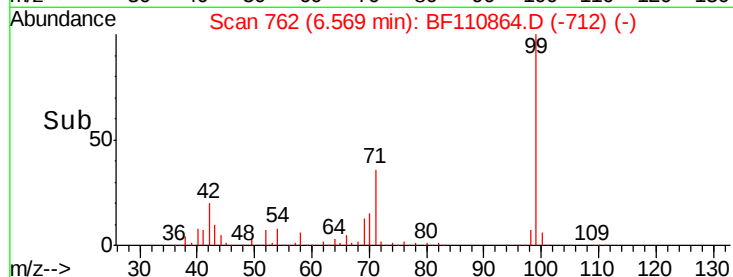
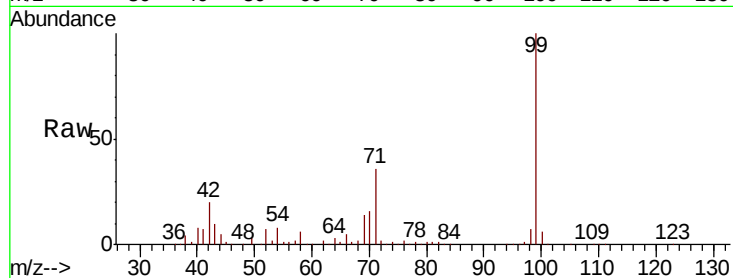
Tgt Ion: 99 Resp: 400163

Ion Ratio Lower Upper

99 100

42 20.3 15.8 23.6

71 36.3 28.0 42.0



#10

Phenol

Concen: 4.600 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

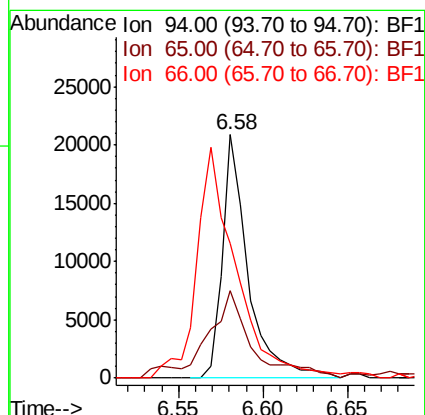
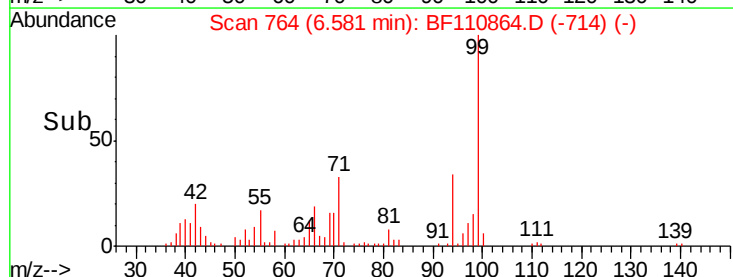
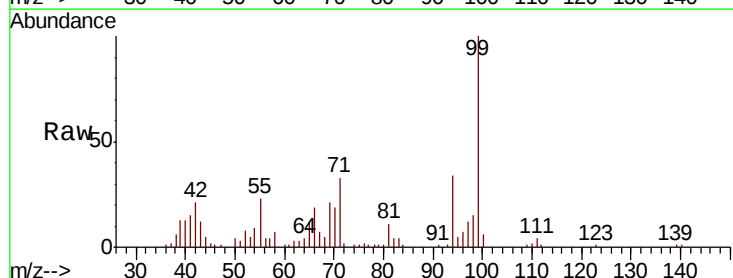
Tgt Ion: 94 Resp: 22245

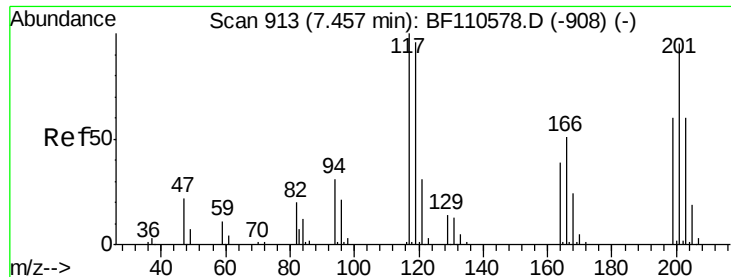
Ion Ratio Lower Upper

94 100

65 36.2 25.3 65.3

66 55.3 54.5 94.5

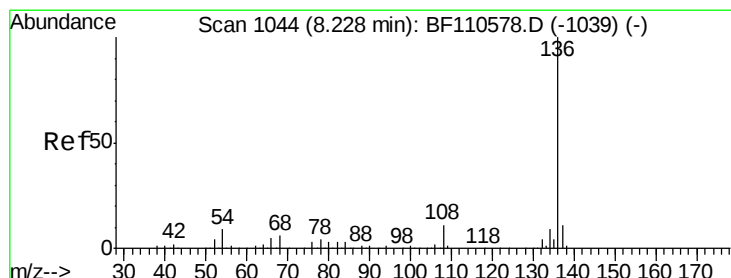
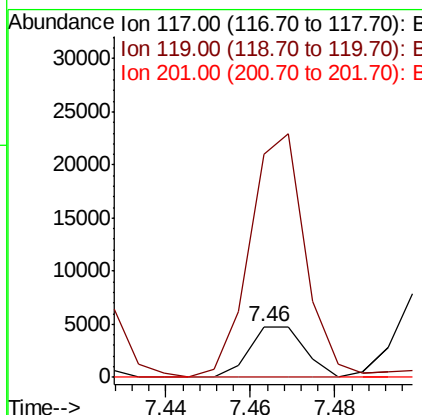
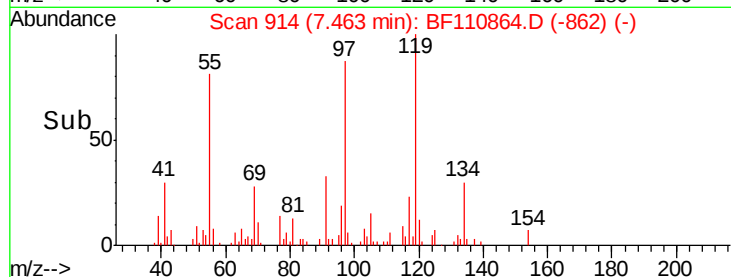
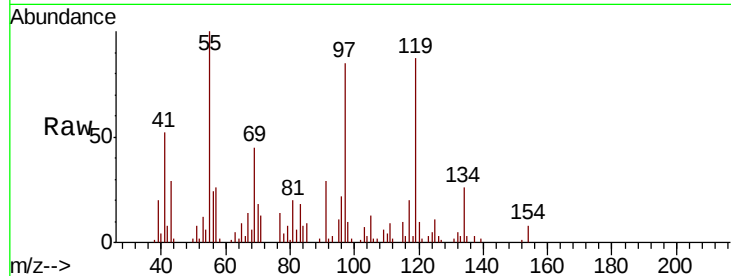




#18
Hexachloroethane
Concen: 2.768 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

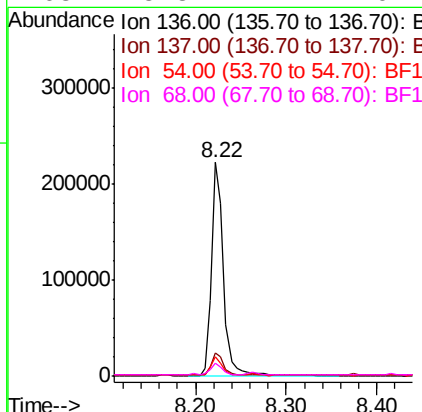
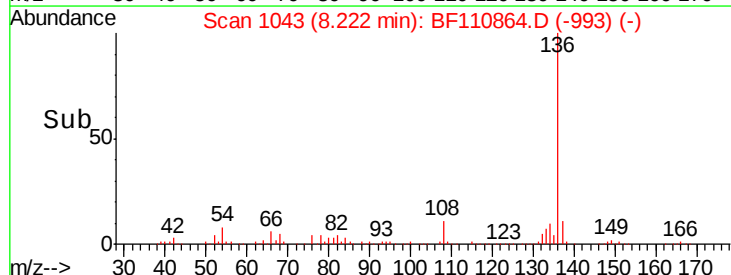
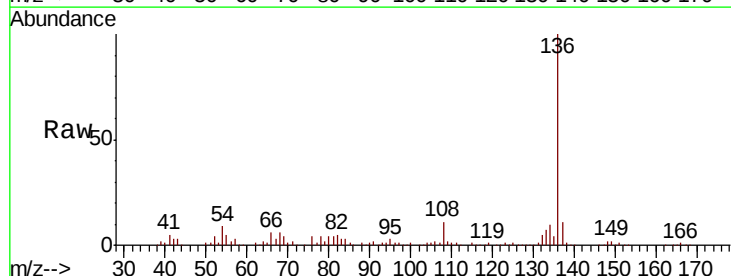
Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

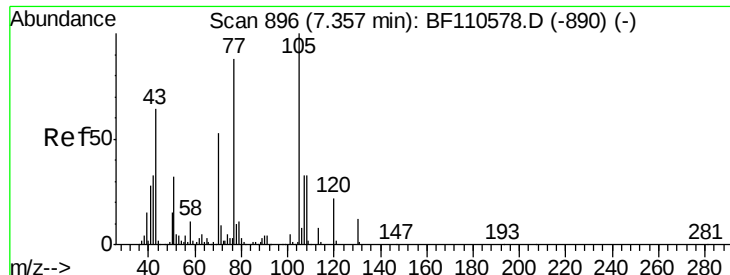
Tgt Ion:117 Resp: 4341
Ion Ratio Lower Upper
117 100
119 438.3 75.0 112.6#
201 0.0 79.2 118.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:136 Resp: 210426
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.7 5.4 8.2#
68 5.8 4.2 6.2





#22

Acetophenone

Concen: 3.132 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

Tgt Ion: 105 Resp: 15361

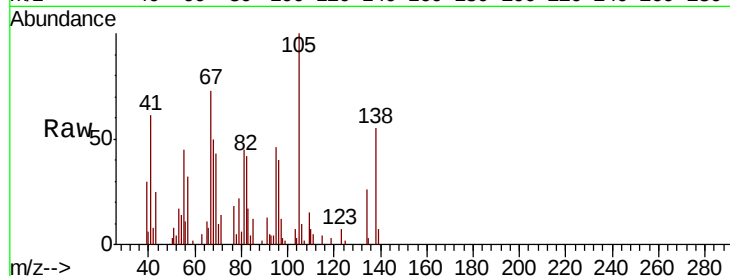
Ion Ratio Lower Upper

105 100

71 13.8 5.2 7.8#

51 7.5 21.8 32.8#

120 0.0 17.0 25.4#

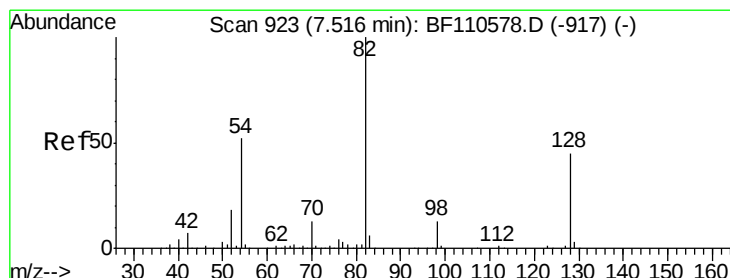
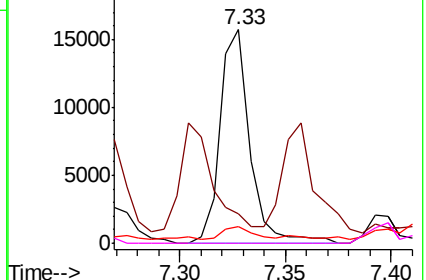
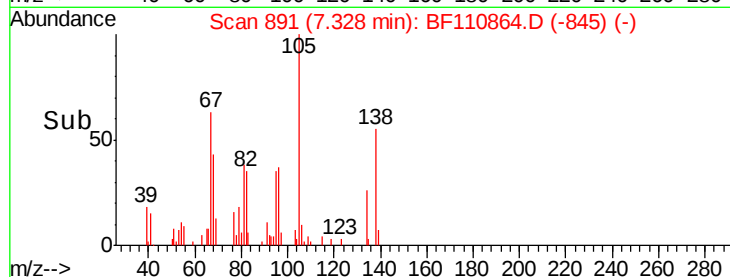


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 77.561 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

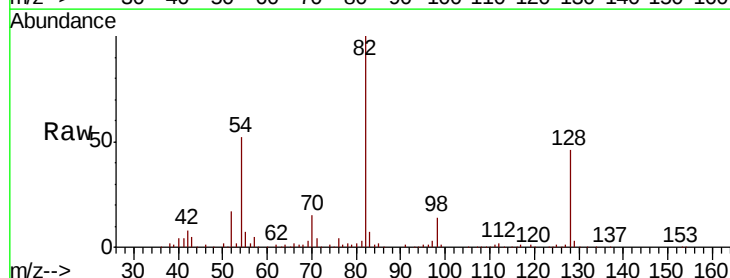
Tgt Ion: 82 Resp: 283400

Ion Ratio Lower Upper

82 100

128 46.4 34.2 51.2

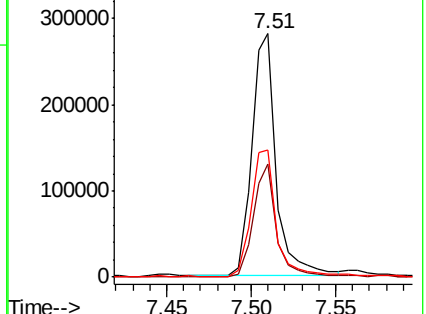
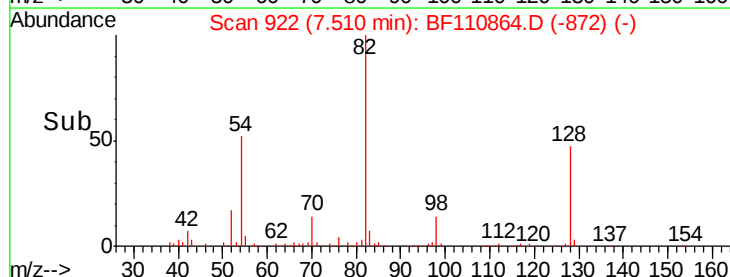
54 52.0 38.6 58.0

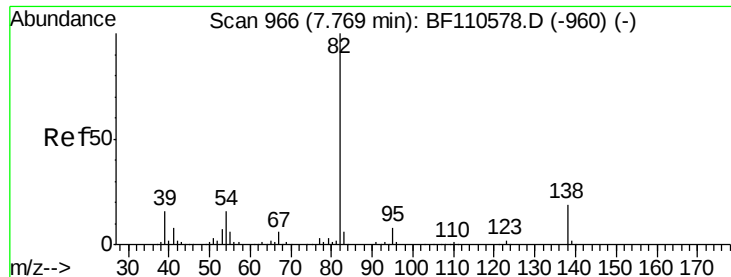


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 2.026 ng

RT: 7.83 min Scan# 976

Delta R.T. 0.06 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

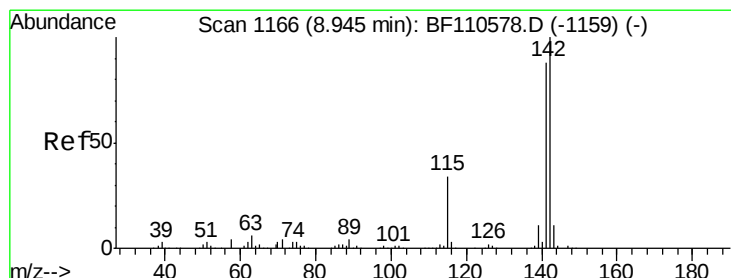
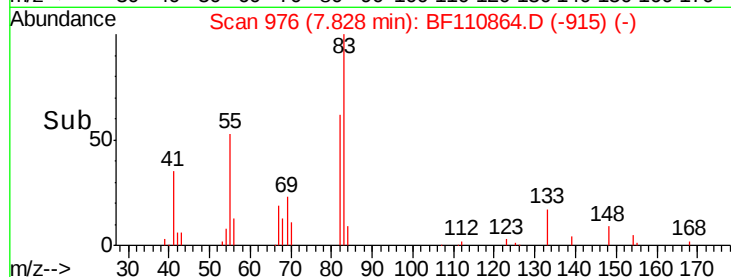
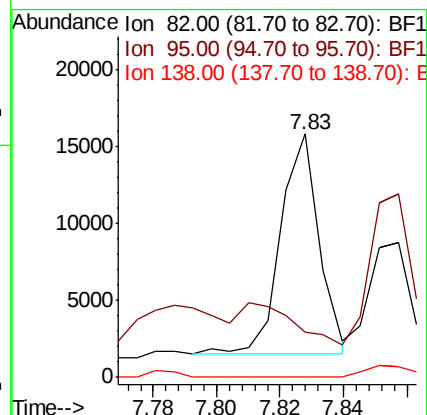
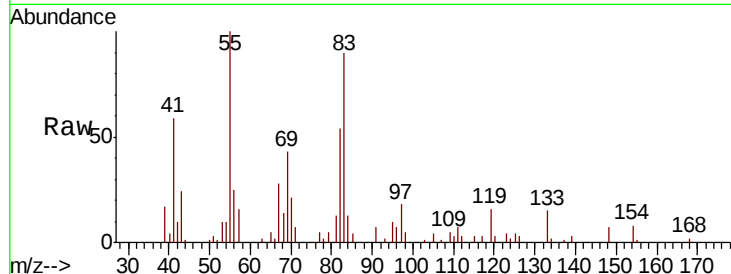
Tgt Ion: 82 Resp: 12136

Ion Ratio Lower Upper

82 100

95 18.5 5.7 8.5#

138 0.0 13.2 19.8#



#37

2-Methylnaphthalene

Concen: 3.819 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

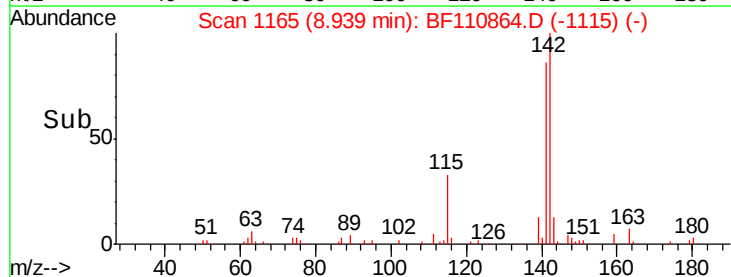
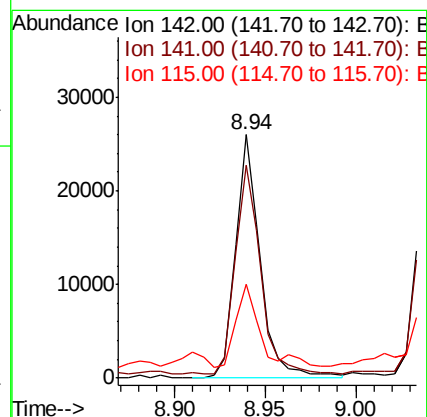
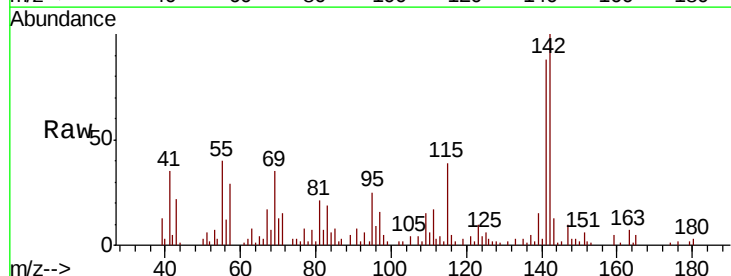
Tgt Ion: 142 Resp: 24733

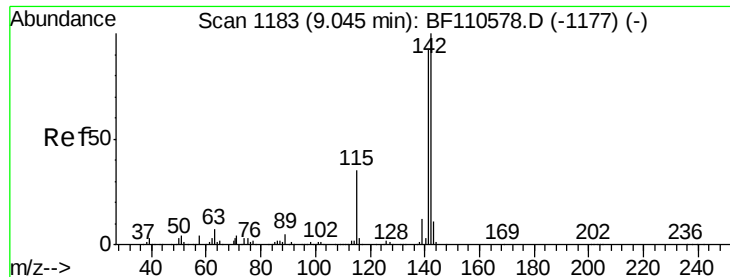
Ion Ratio Lower Upper

142 100

141 87.7 71.4 107.2

115 38.8 28.7 43.1

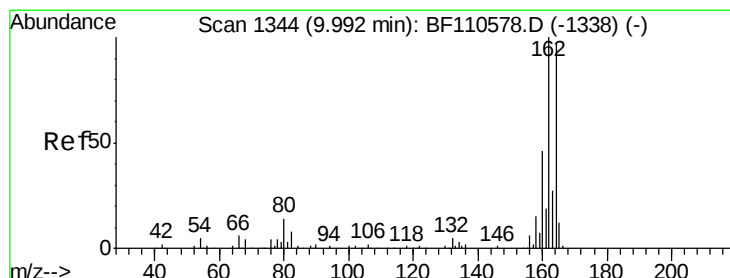
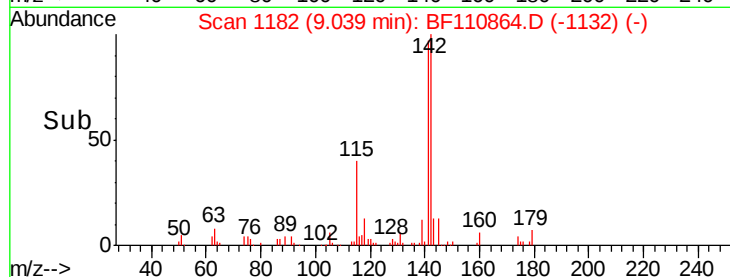
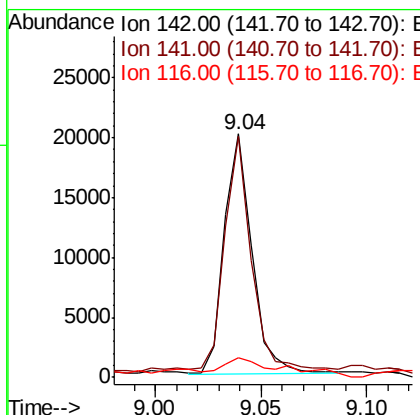
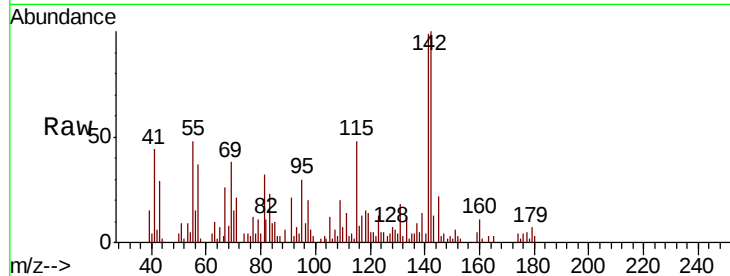




#38
 1-Methylnaphthalene
 Concen: 2.928 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

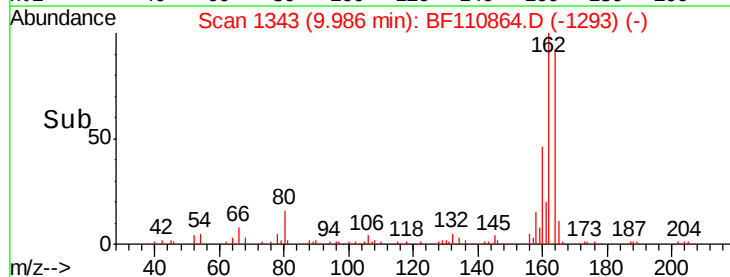
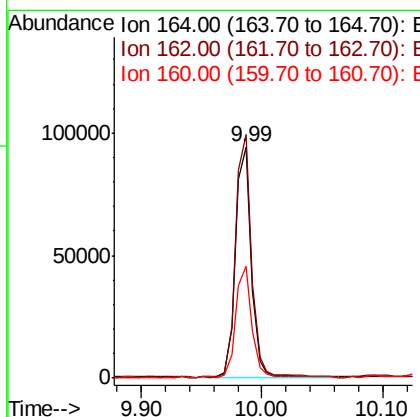
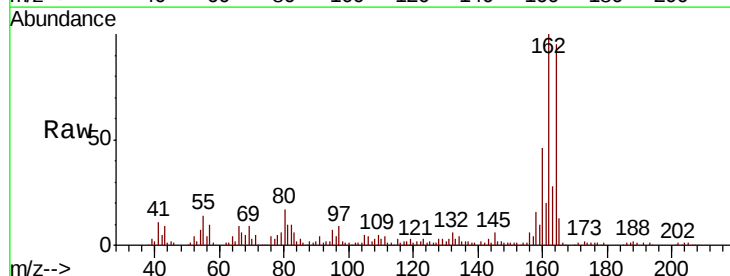
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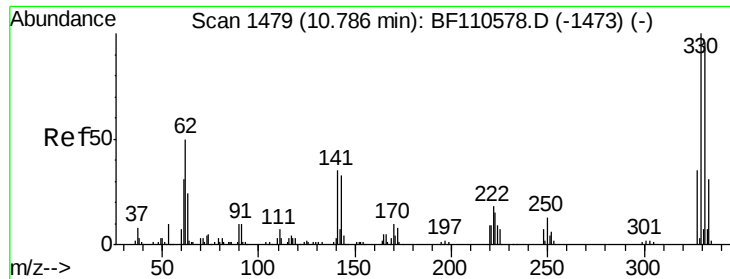
Tgt Ion:142 Resp: 18236
 Ion Ratio Lower Upper
 142 100
 141 98.9 74.2 111.4
 116 7.9 2.6 4.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

Tgt Ion:164 Resp: 89303
 Ion Ratio Lower Upper
 164 100
 162 105.2 83.0 124.6
 160 48.1 37.0 55.6

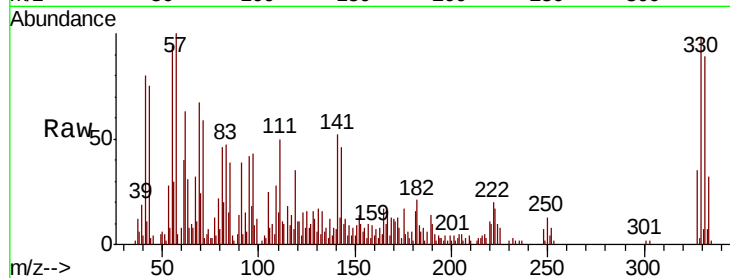




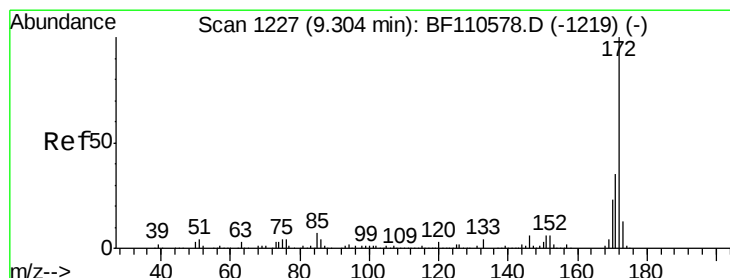
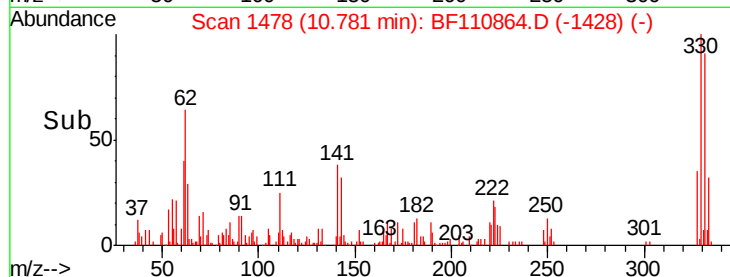
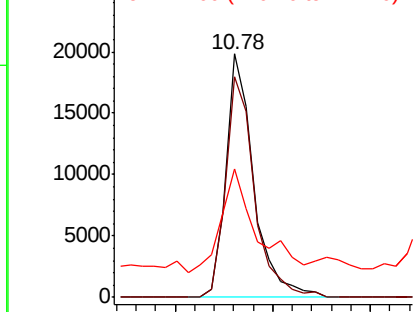
#42
 2,4,6-Tribromophenol
 Concen: 21.802 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

Instrument :
 BNA_F
 ClientSampleId :
 20180929-AMENDED-WCC-2-COMP

Tgt Ion:330 Resp: 19618
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.1 115.7
 141 52.6 27.0 40.4#

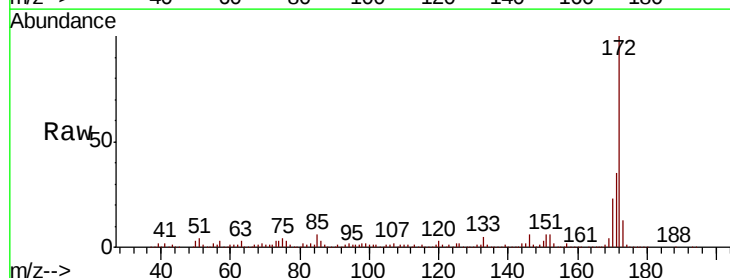


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

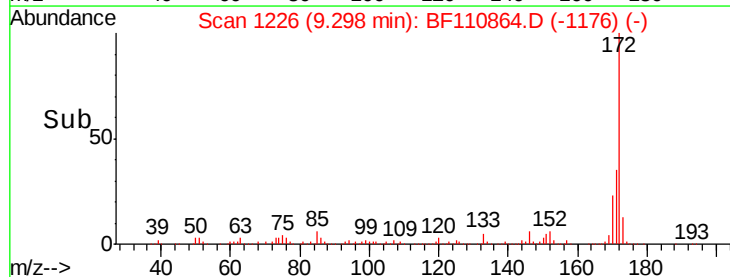
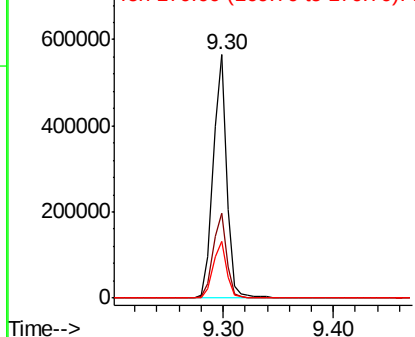


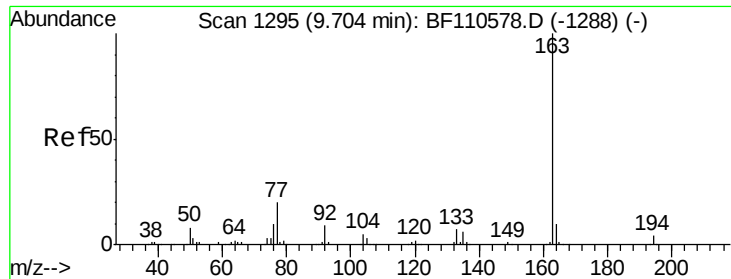
#45
 2-Fluorobiphenyl
 Concen: 75.883 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110864.D
 Acq: 19 Nov 2018 20:15

Tgt Ion:172 Resp: 474493
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.5 19.7 29.5



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

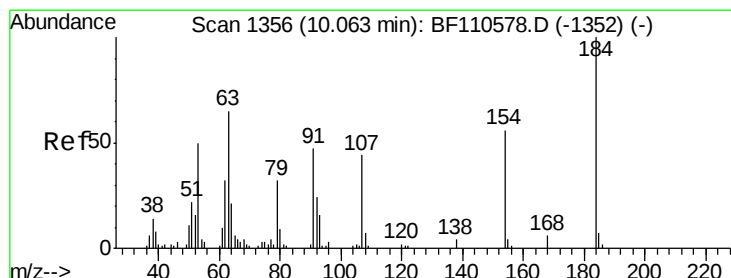
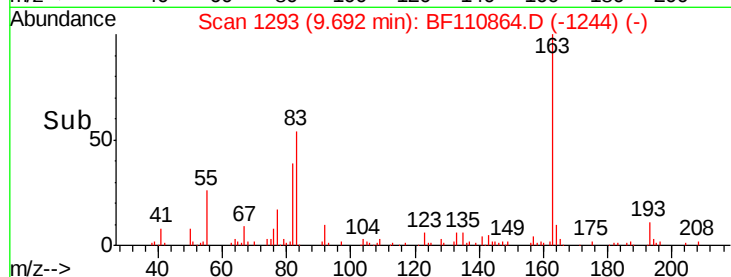
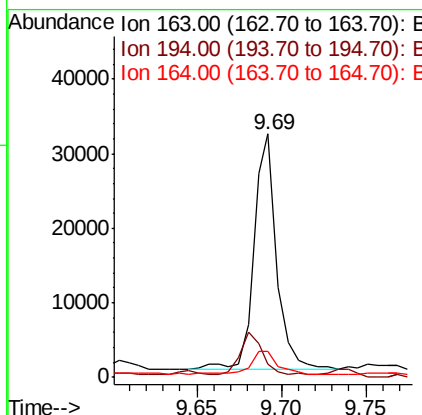
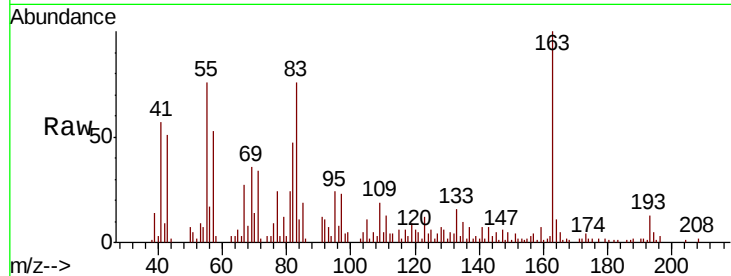




#50
Dimethylphthalate
Concen: 4.497 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

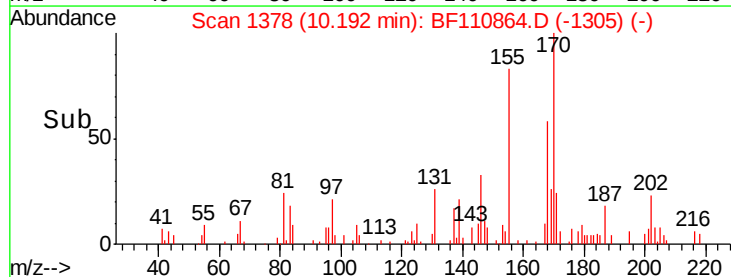
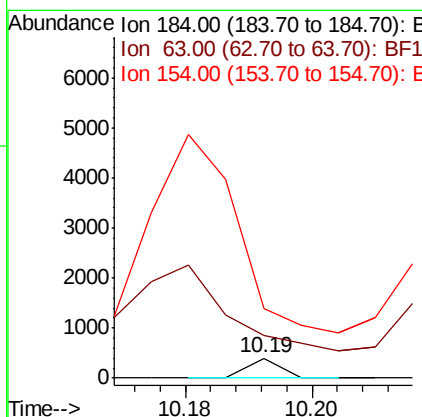
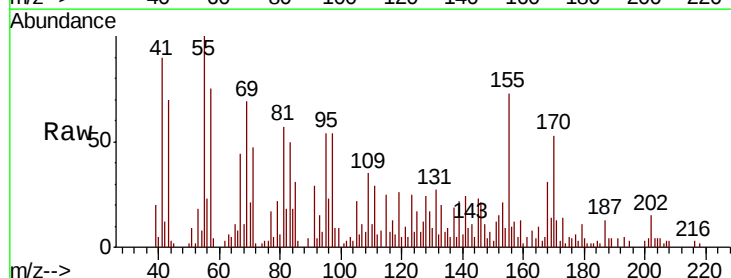
Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

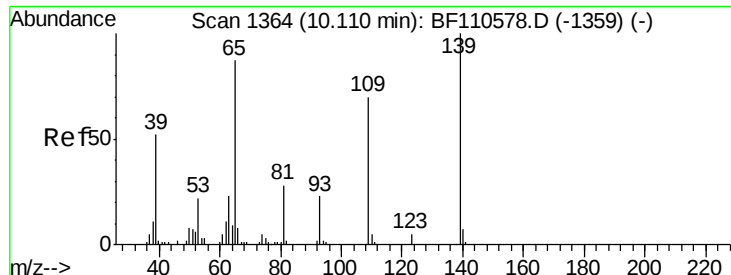
Tgt Ion:163 Resp: 29969
Ion Ratio Lower Upper
163 100
194 5.4 3.2 4.8#
164 10.9 8.1 12.1



#54
2,4-Dinitrophenol
Concen: 4.931 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.13 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:184 Resp: 142
Ion Ratio Lower Upper
184 100
63 214.1 55.8 83.6#
154 342.2 63.2 94.8#

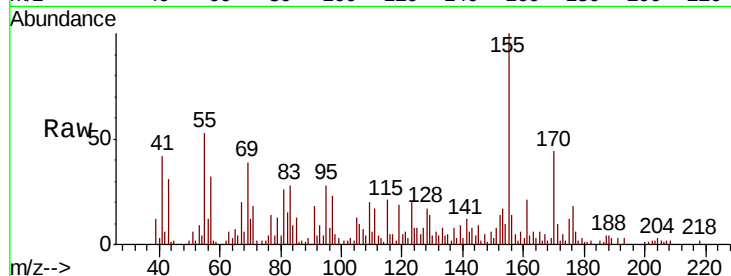




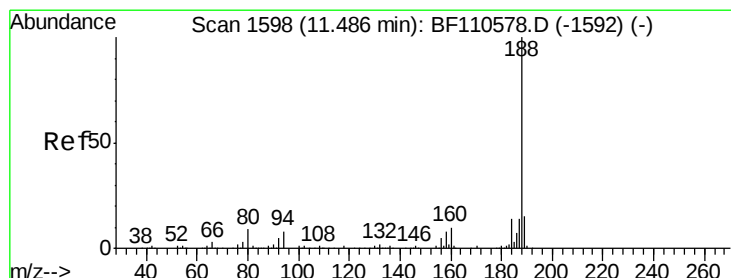
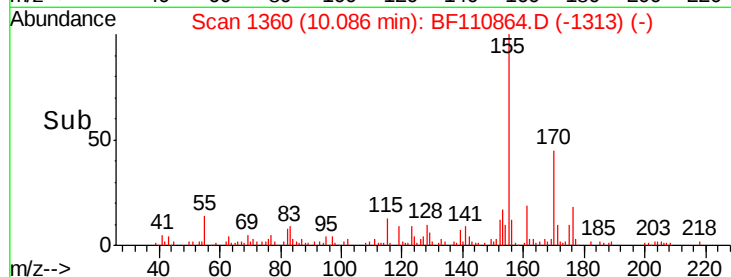
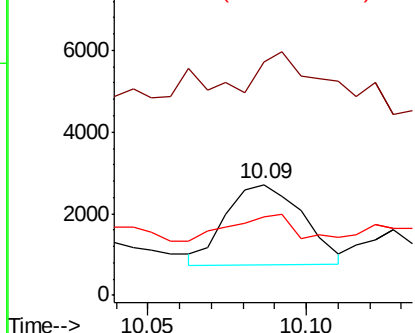
#56
4-Nitrophenol
Concen: 2.928 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

Tgt Ion:139 Resp: 3299
Ion Ratio Lower Upper
139 100
109 211.1 55.8 95.8#
65 70.3 77.9 117.9#

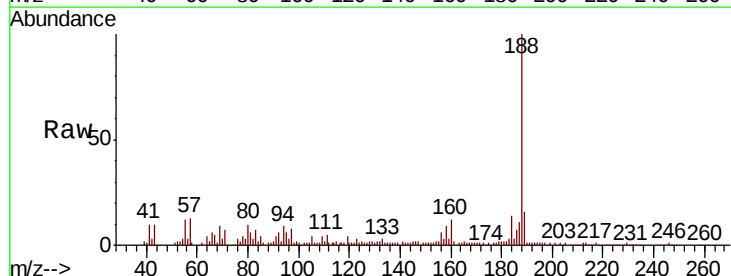


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

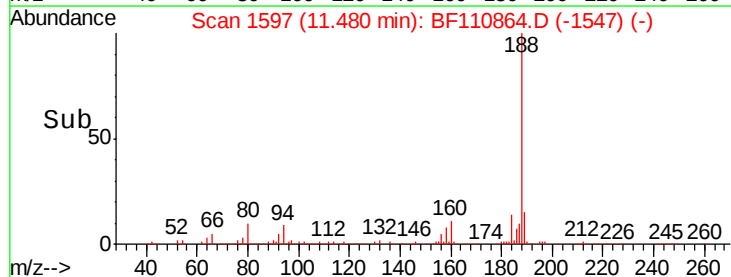
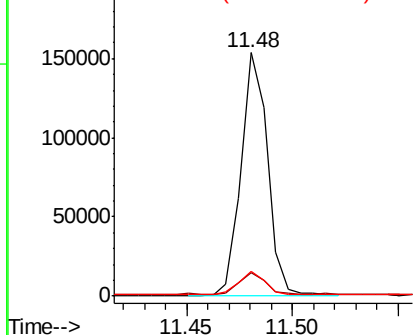


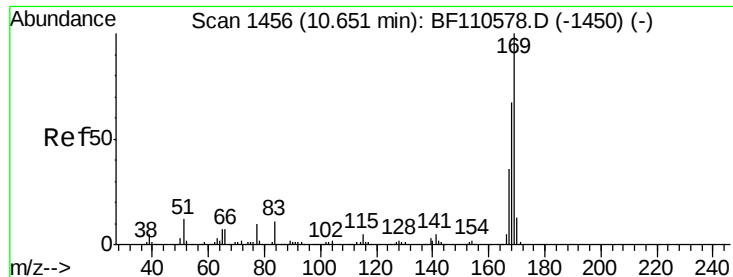
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:188 Resp: 132741
Ion Ratio Lower Upper
188 100
94 9.5 7.2 10.8
80 10.3 7.9 11.9



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

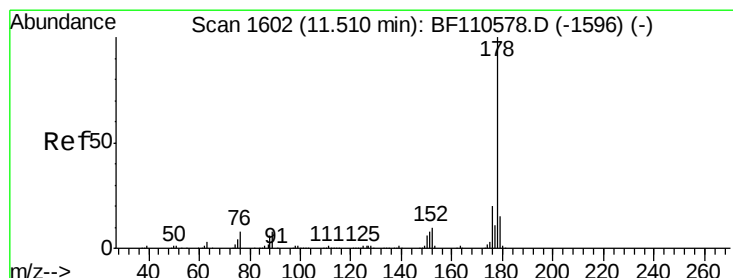
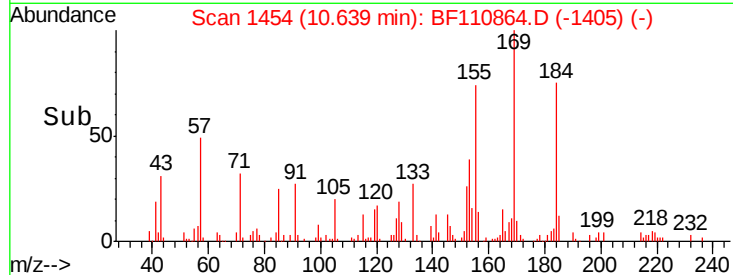
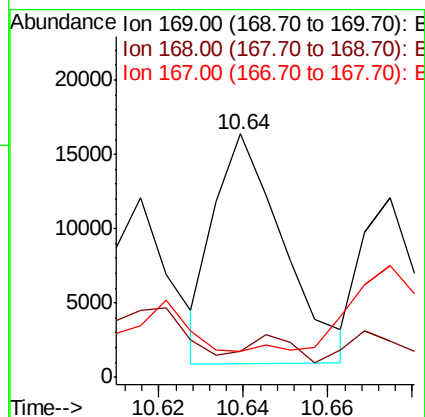
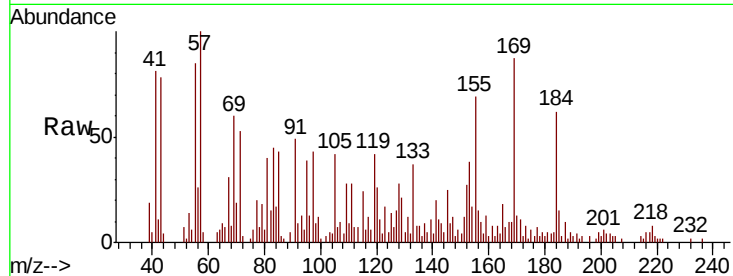




#66
n-Nitrosodiphenylamine
Concen: 3.951 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

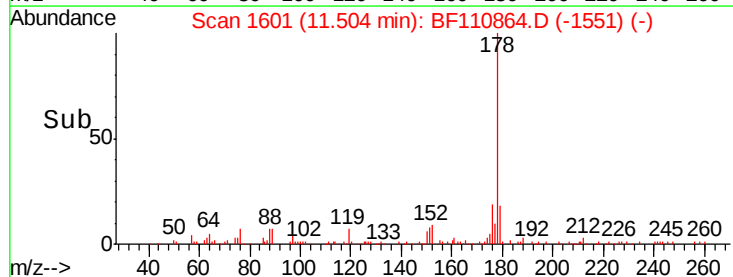
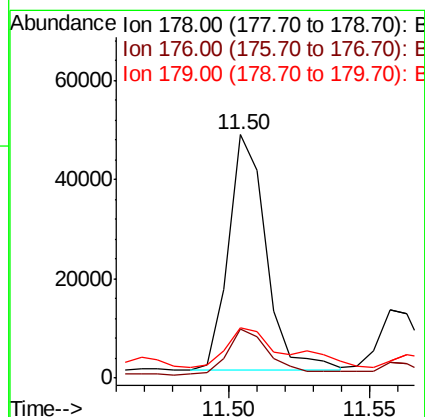
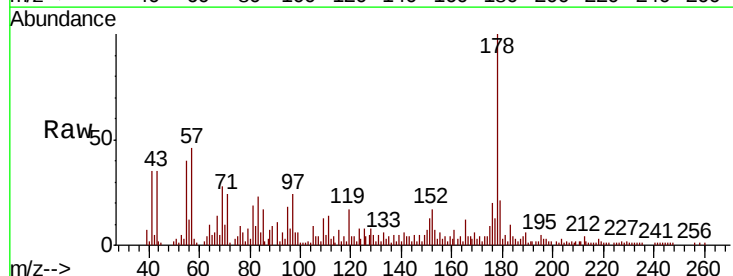
Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

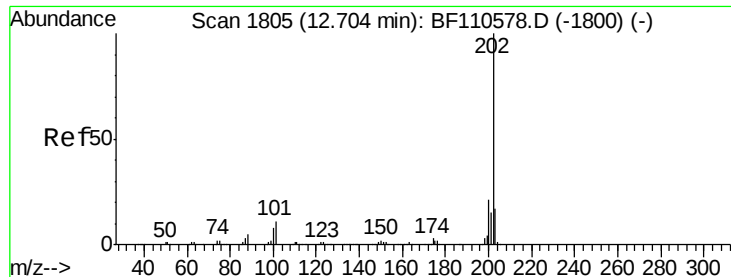
Tgt Ion:169 Resp: 17679
Ion Ratio Lower Upper
169 100
168 10.9 51.2 76.8#
167 10.9 27.8 41.6#



#71
Phenanthrene
Concen: 6.209 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:178 Resp: 44159
Ion Ratio Lower Upper
178 100
176 20.3 15.5 23.3
179 20.7 12.5 18.7#





#75

Fluoranthene

Concen: 5.119 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.00 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

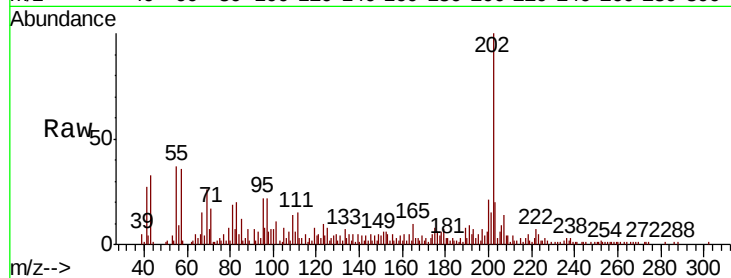
Tgt Ion:202 Resp: 36501

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

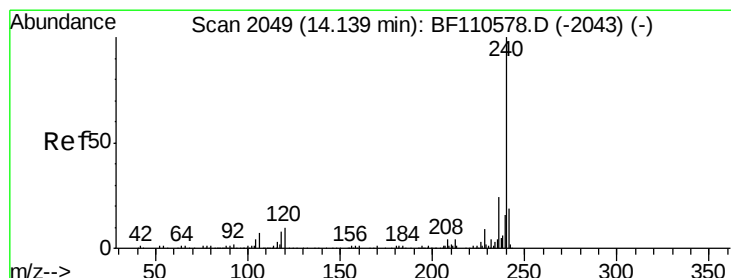
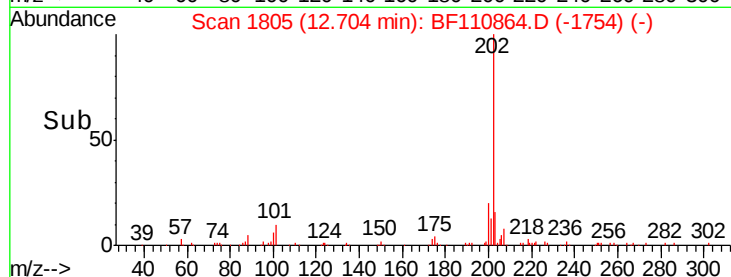
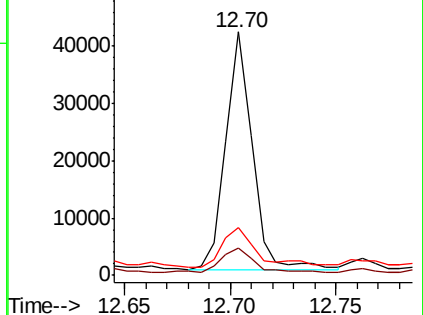
203 19.5 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

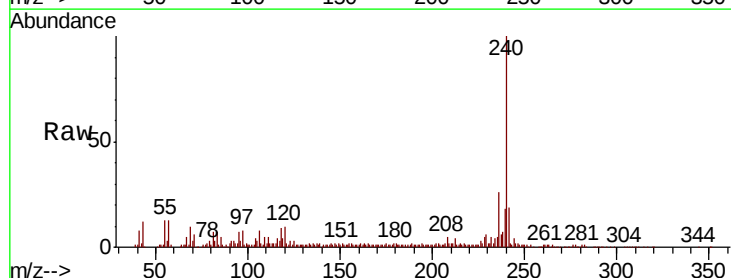
Tgt Ion:240 Resp: 113069

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

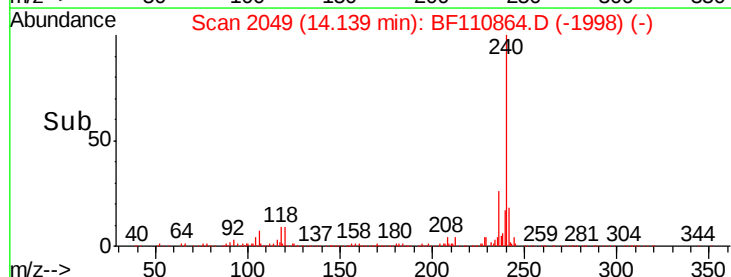
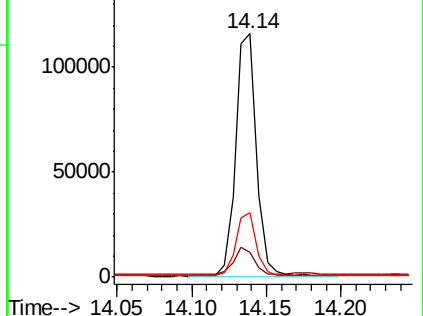
236 26.3 21.2 31.8

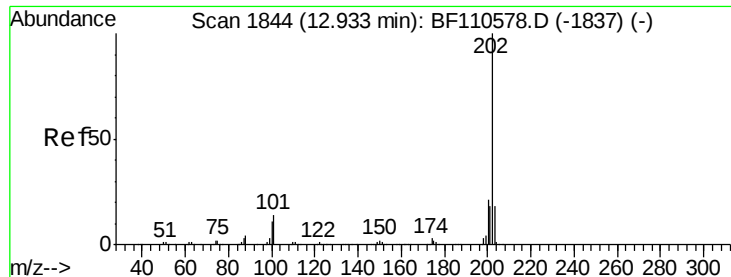


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.193 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.23 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

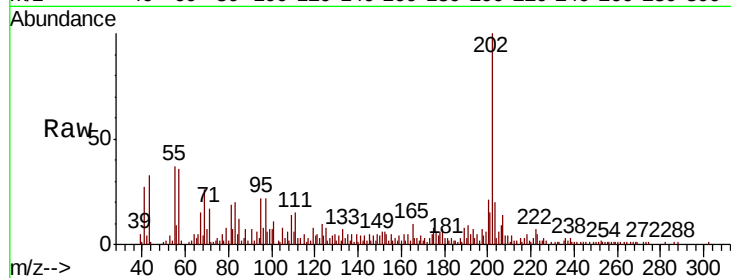
Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

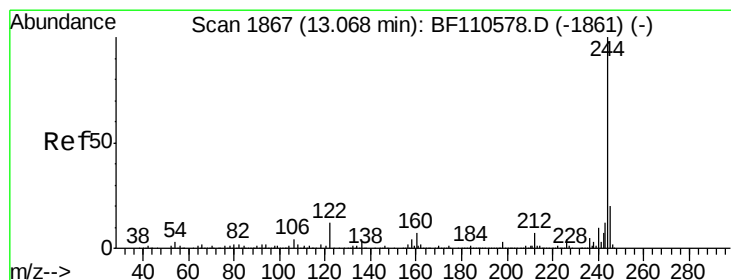
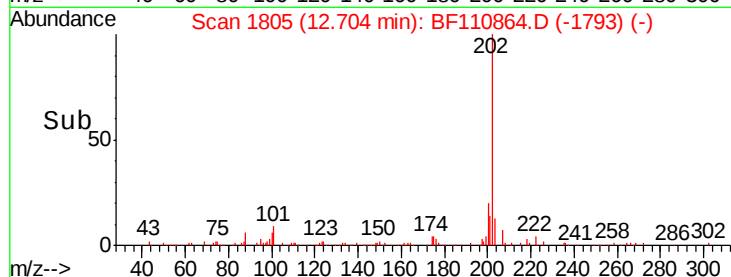
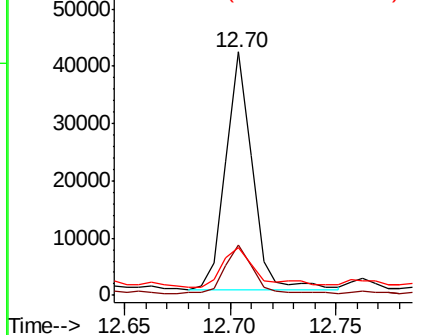
Tgt Ion:	202	Resp:	36501
Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.8	26.6
203	19.5	14.2	21.4



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: 62.621 ng

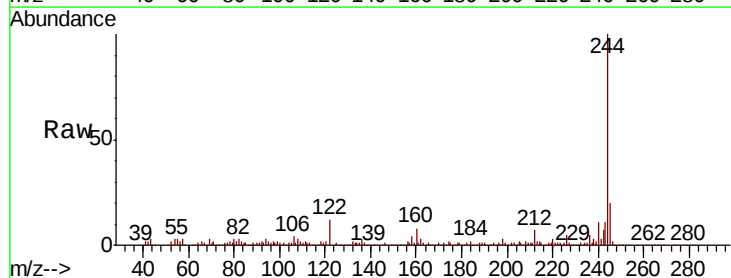
RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

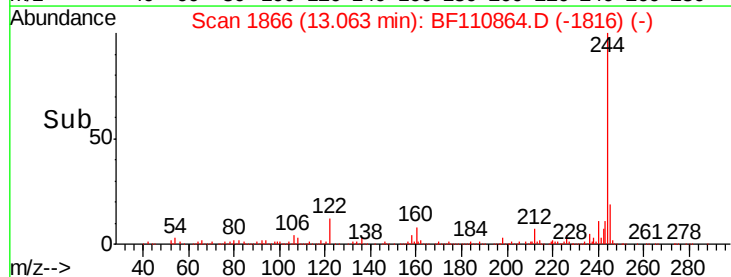
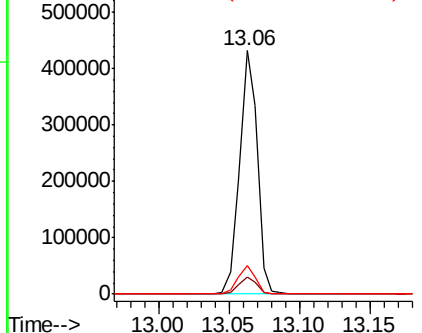
Tgt Ion:	244	Resp:	378078
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	11.9	8.7	13.1

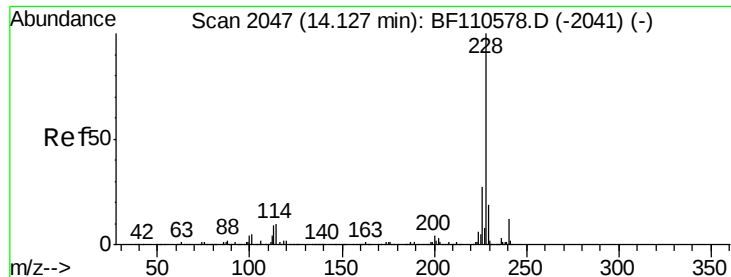


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

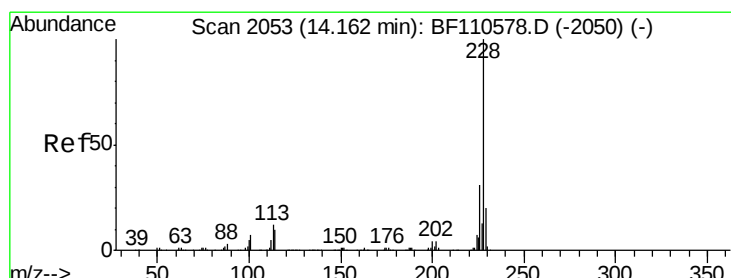
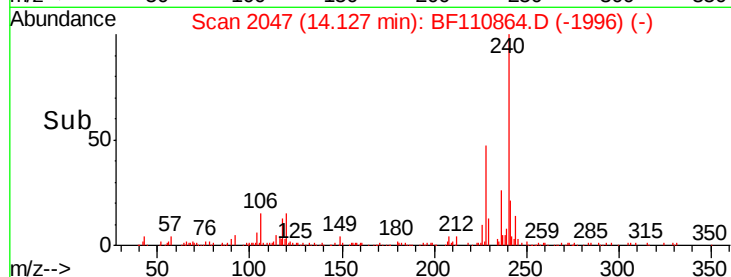
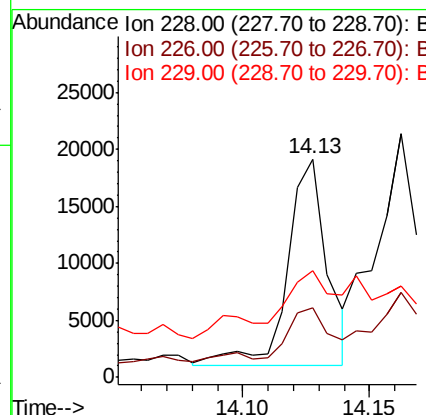
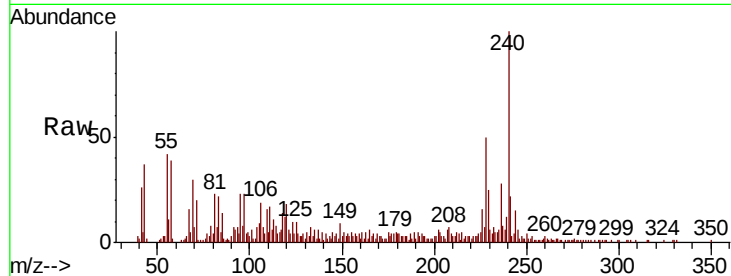




#81
Benzo(a)anthracene
Concen: 2.920 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

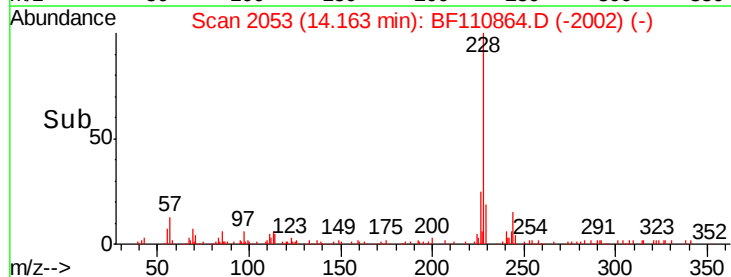
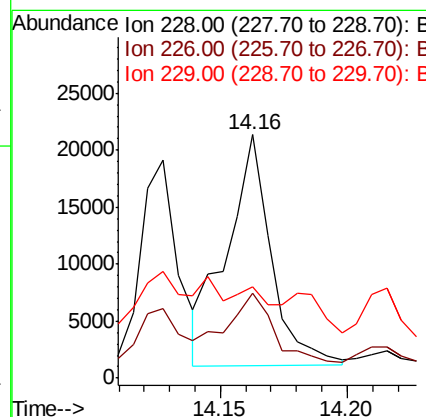
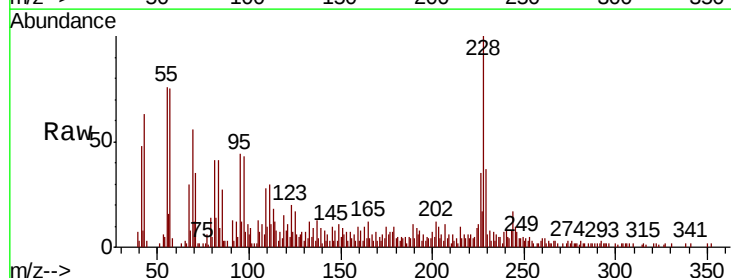
Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

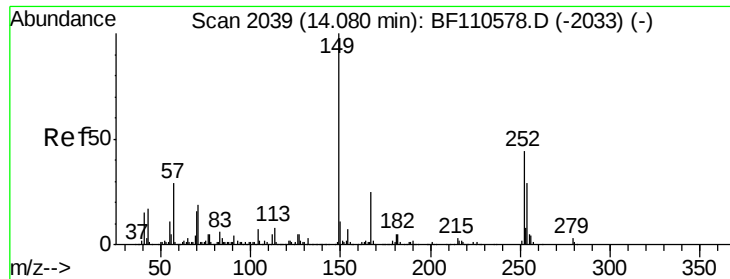
Tgt Ion:228 Resp: 19737
Ion Ratio Lower Upper
228 100
226 32.0 22.1 33.1
229 48.9 15.6 23.4#



#83
Chrysene
Concen: 3.840 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:228 Resp: 24722
Ion Ratio Lower Upper
228 100
226 34.6 24.7 37.1
229 37.5 15.9 23.9#

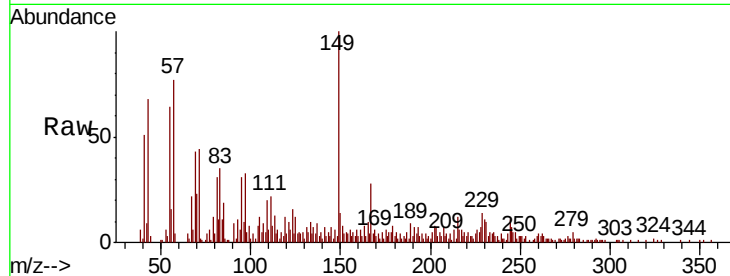




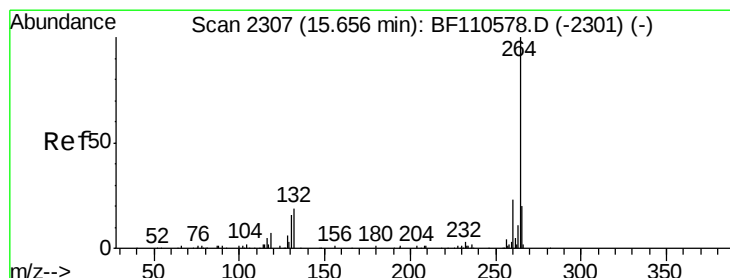
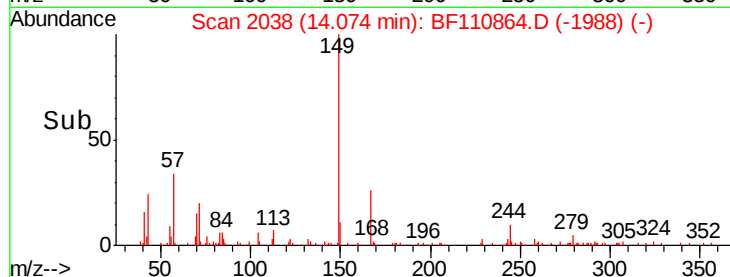
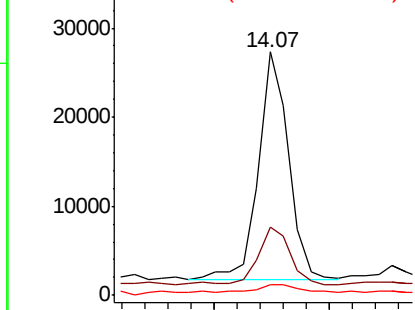
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.962 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

Tgt Ion:149 Resp: 23066
Ion Ratio Lower Upper
149 100
167 28.2 19.8 29.8
279 4.6 2.7 4.1#

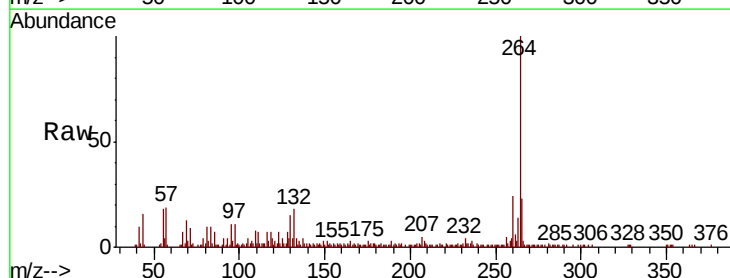


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

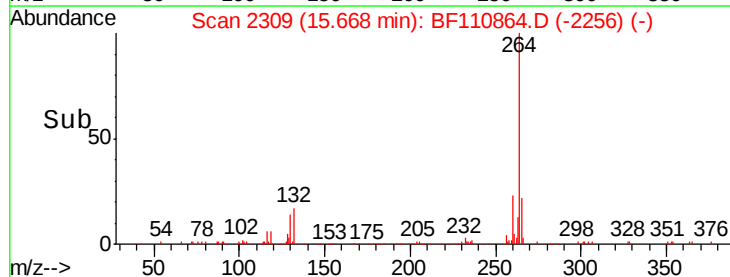
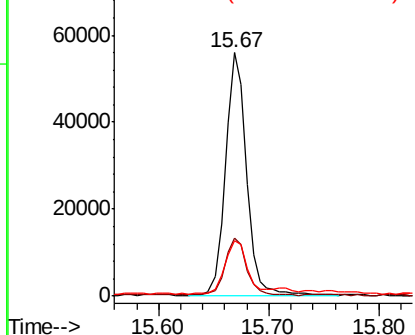


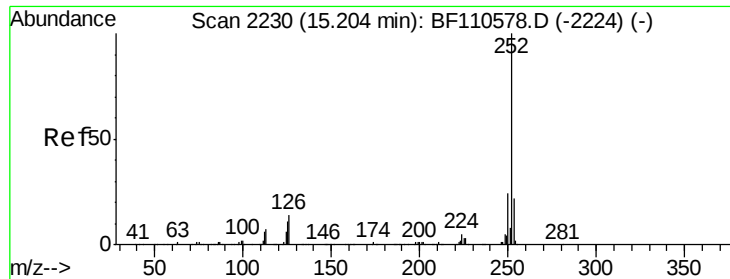
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:264 Resp: 75765
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.6 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

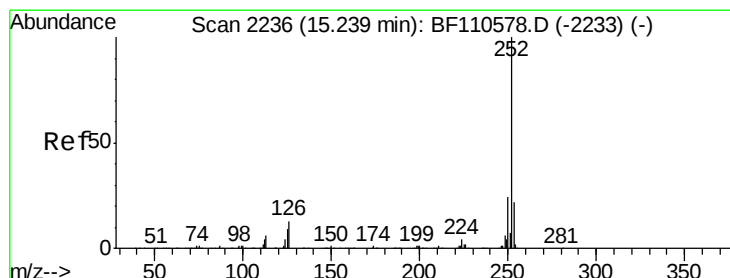
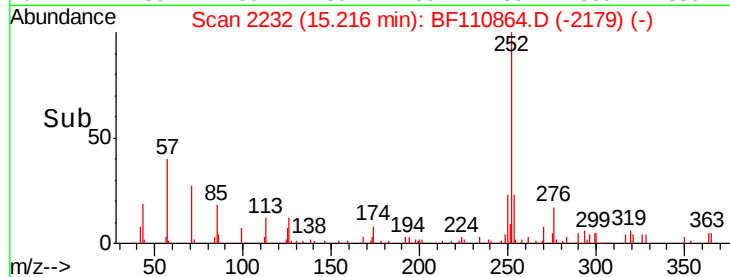
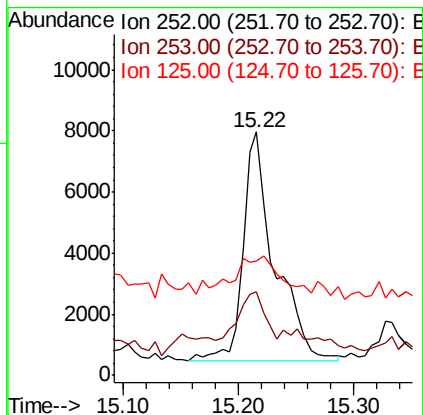
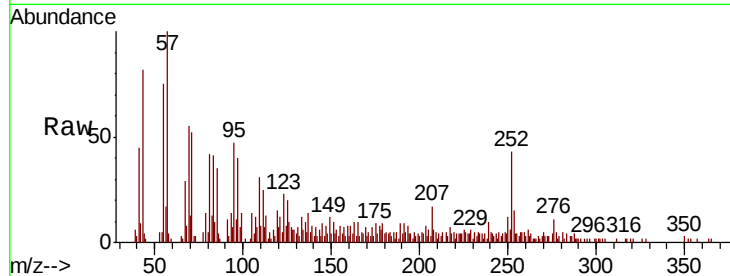




#88
Benzo(b)fluoranthene
Concen: 3.106 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

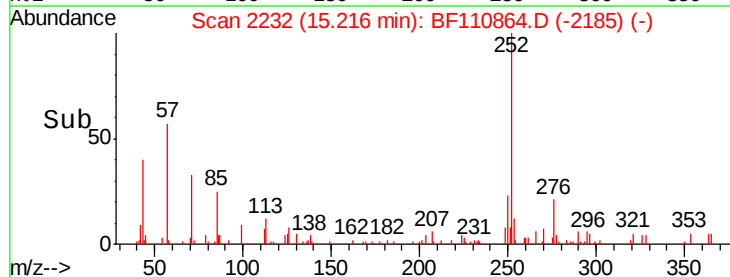
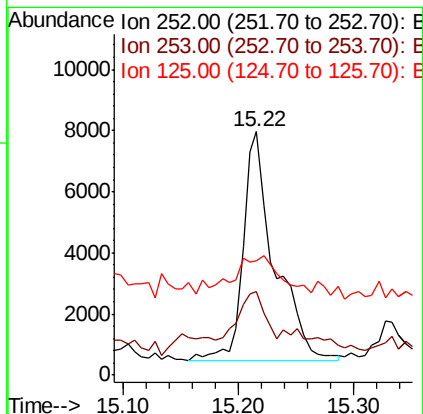
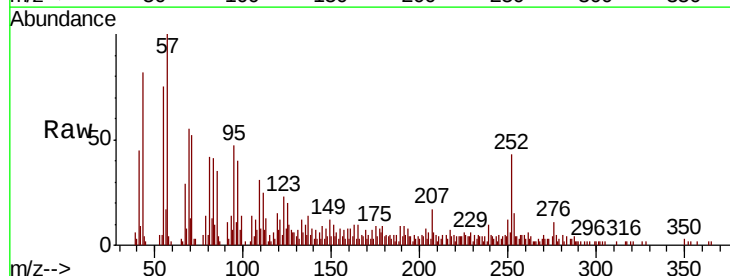
Instrument :
BNA_F
ClientSampleId :
20180929-AMENDED-WCC-2-COMP

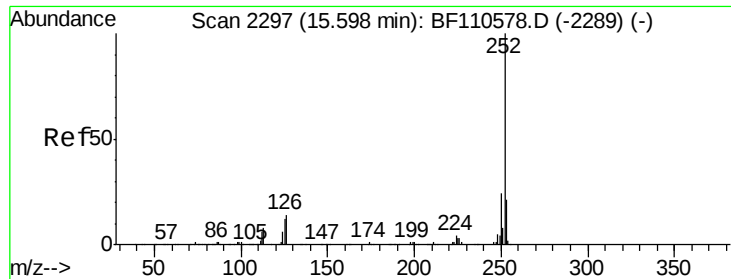
Tgt Ion:252 Resp: 14078
Ion Ratio Lower Upper
252 100
253 34.5 17.2 25.8#
125 47.2 8.2 12.4#



#89
Benzo(k)fluoranthene
Concen: 3.143 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110864.D
Acq: 19 Nov 2018 20:15

Tgt Ion:252 Resp: 14078
Ion Ratio Lower Upper
252 100
253 34.5 17.2 25.8#
125 47.2 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 2.534 ng

RT: 15.60 min Scan# 2298

Delta R.T. 0.01 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

Instrument :

BNA_F

ClientSampleId :

20180929-AMENDED-WCC-2-COMP

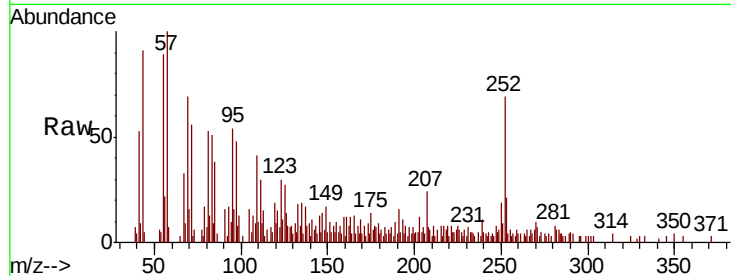
Tgt Ion:252 Resp: 10434

Ion Ratio Lower Upper

252 100

253 29.8 18.2 27.4#

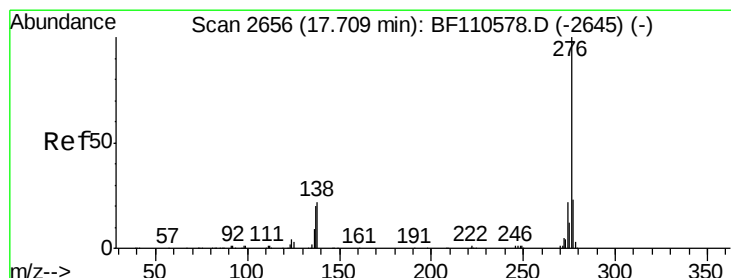
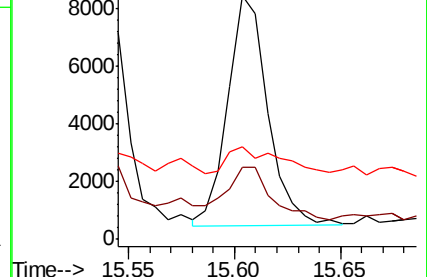
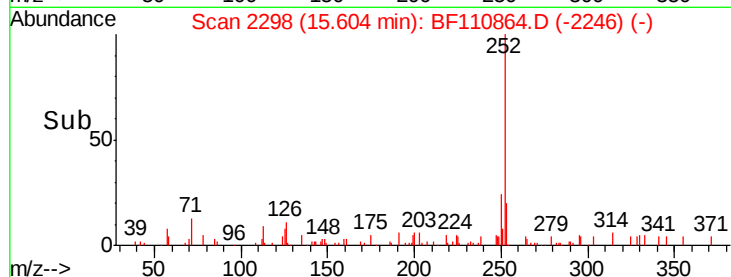
125 38.2 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.947 ng

RT: 17.74 min Scan# 2661

Delta R.T. 0.03 min

Lab File: BF110864.D

Acq: 19 Nov 2018 20:15

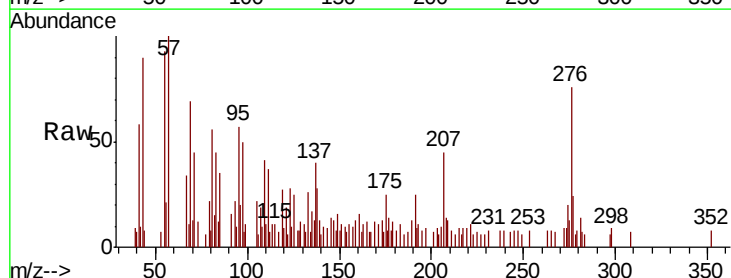
Tgt Ion:276 Resp: 10190

Ion Ratio Lower Upper

276 100

277 31.7 18.8 28.2#

138 37.0 16.0 24.0#



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

