

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052015\
 Data File : BM001382.D
 Acq On : 22 May 2015 04:52
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Quant Time: May 22 05:36:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIMPAH-BM052015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 10:49:04 2015
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

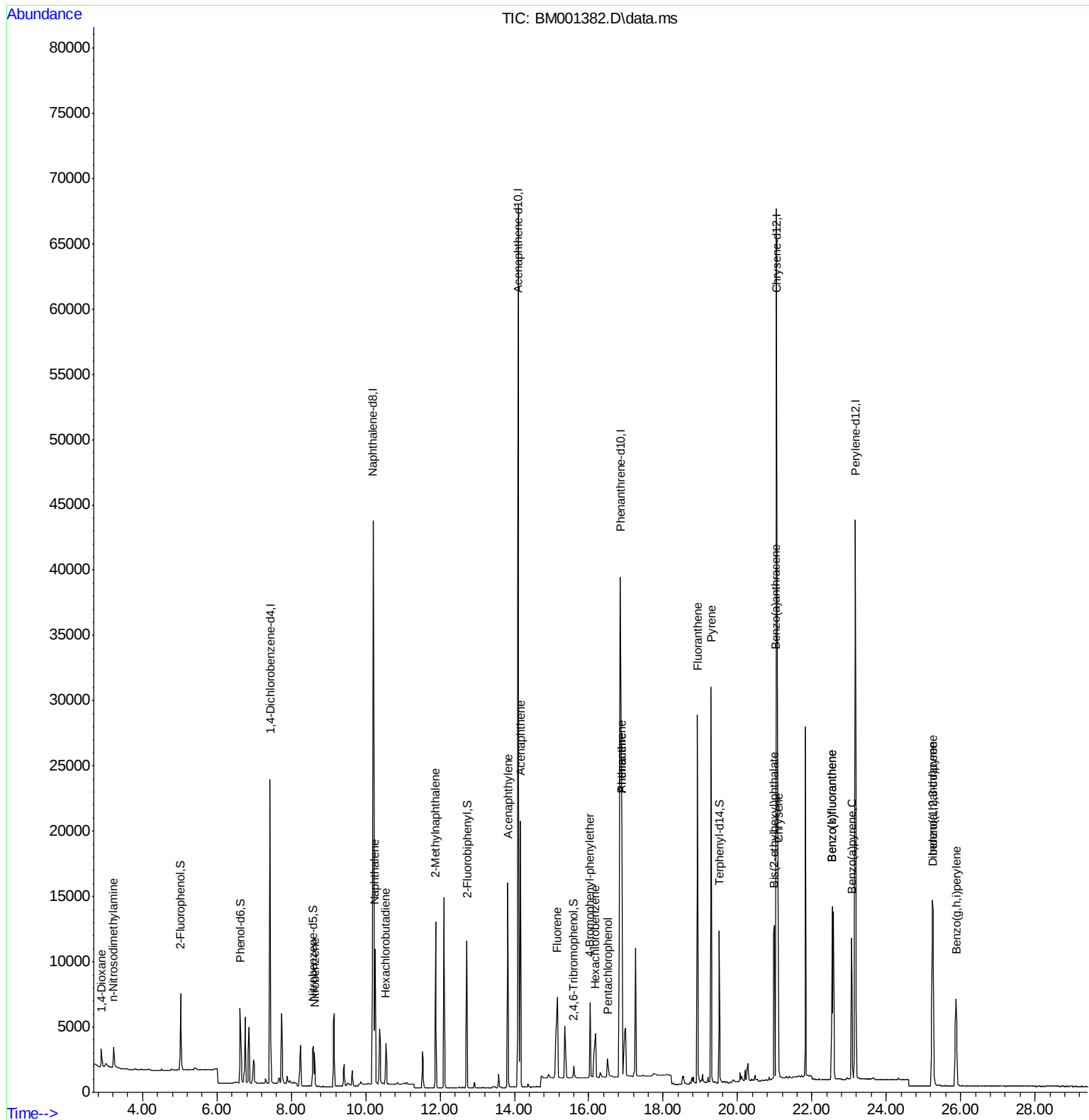
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.432	152	13272	5.00	ng	0.00
6) Naphthalene-d8	10.199	136	59223	5.00	ng	0.00
12) Acenaphthene-d10	14.107	164	38409	5.00	ng	0.00
18) Phenanthrene-d10	16.852	188	80613	5.00	ng	# 0.00
25) Chrysene-d12	21.051	240	66620	5.00	ng	#-0.02
32) Perylene-d12	23.168	264	50695	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.021	112	4795	1.86	ng	0.00
5) Phenol-d6	6.628	99	5722	1.78	ng	0.02
7) Nitrobenzene-d5	8.586	82	2677	0.84	ng	0.00
13) 2,4,6-Tribromophenol	15.595	330	795	0.59	ng	0.00
14) 2-Fluorobiphenyl	12.719	172	11829	1.03	ng	0.00
27) Terphenyl-d14	19.503	244	11338	1.29	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.903	88	925	0.61	ng	# 69
3) n-Nitrosodimethylamine	3.212	42	1878	1.25	ng	# 99
8) Nitrobenzene	8.628	77	2805	0.81	ng	100
9) Naphthalene	10.250	128	13164	1.04	ng	99
10) Hexachlorobutadiene	10.542	225	2325	0.95	ng	99
11) 2-Methylnaphthalene	11.886	142	9664	1.08	ng	96
15) Acenaphthylene	13.817	152	17557	1.09	ng	100
16) Acenaphthene	14.168	154	10648	1.05	ng	99
17) Fluorene	15.153	166	8234	1.01	ng	# 95
19) 4-Bromophenyl-phenylether	16.036	248	4694	1.07	ng	95
20) Hexachlorobenzene	16.172	284	5957	1.00	ng	# 100
21) Pentachlorophenol	16.512	266	1219	0.74	ng	94
22) Phenanthrene	16.886	178	39032	1.38	ng	94
23) Anthracene	16.886	178	39064	3.56	ng	# 49
24) Fluoranthene	18.922	202	25622	1.06	ng	# 96
26) Pyrene	19.285	202	26147	1.28	ng	100
28) Benzo(a)anthracene	21.036	228	21040	1.10	ng	95
29) Chrysene	21.098	228	18626	1.02	ng	97
30) Bis(2-ethylhexyl)phtha...	20.974	149	17112	1.58	ng	98
31) Indeno(1,2,3-cd)pyrene	25.242	276	15653	0.80	ng	99
33) Benzo(b)fluoranthene	22.542	252	16160	1.03	ng	96
34) Benzo(k)fluoranthene	22.542	252	16160	1.17	ng	96
35) Benzo(a)pyrene	23.074	252	14575	1.10	ng	98
36) Dibenzo(a,h)anthracene	25.253	278	12217	1.00	ng	98
37) Benzo(g,h,i)perylene	25.878	276	12650	0.96	ng	98

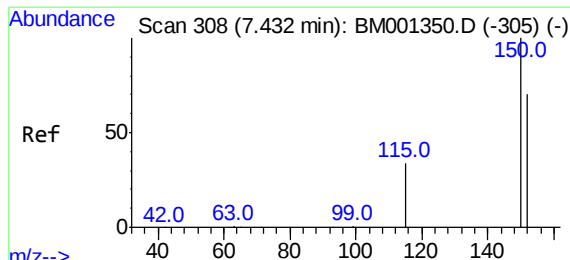
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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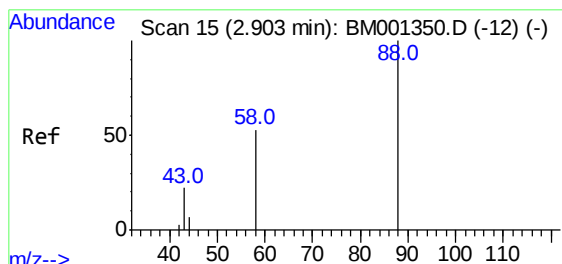
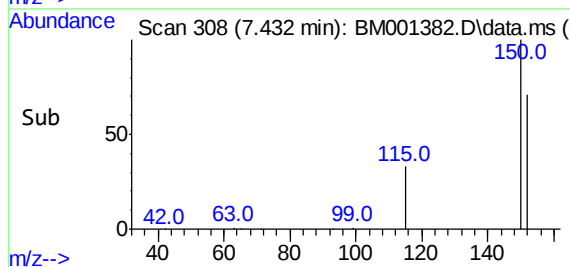
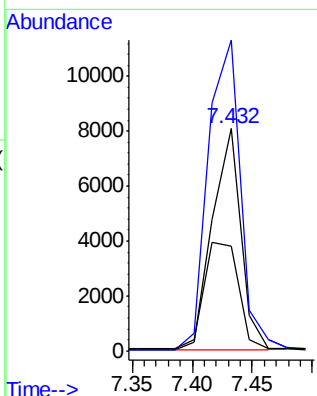
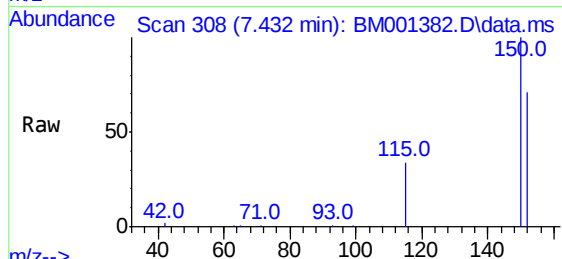




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.432 min Scan# 308
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

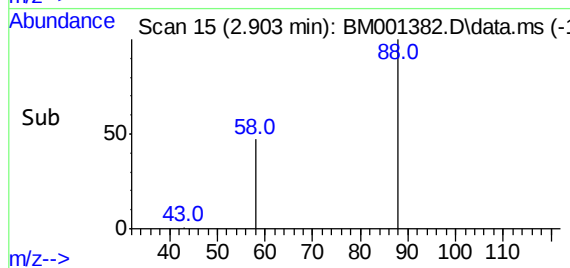
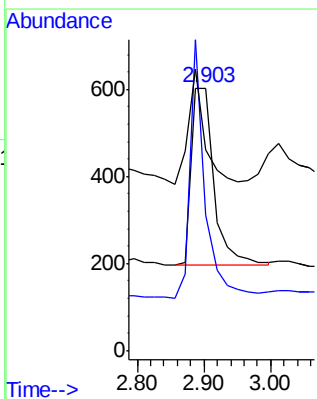
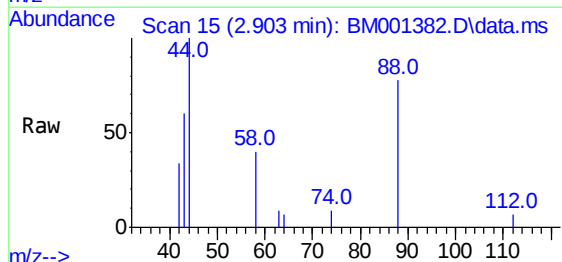
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

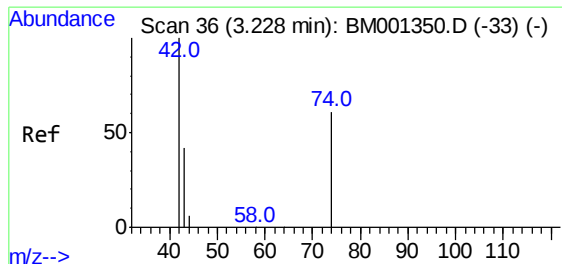
Tgt Ion:152 Resp: 13272
Ion Ratio Lower Upper
152 100
150 140.0 114.1 171.1
115 47.1 39.2 58.8



#2
1,4-Dioxane
Concen: 0.61 ng
RT: 2.903 min Scan# 15
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion: 88 Resp: 925
Ion Ratio Lower Upper
88 100
58 94.7 53.1 79.7#
43 48.4 27.8 41.8#

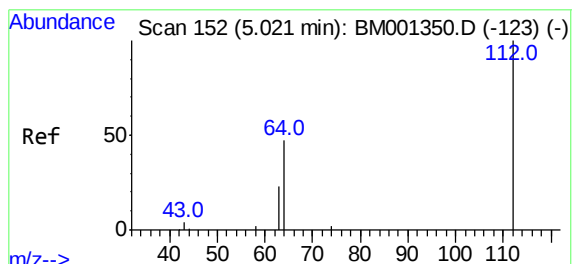
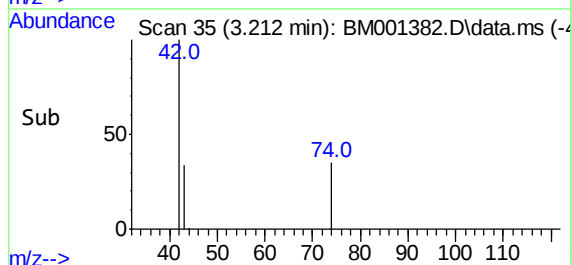
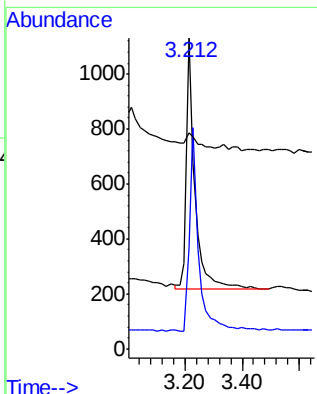
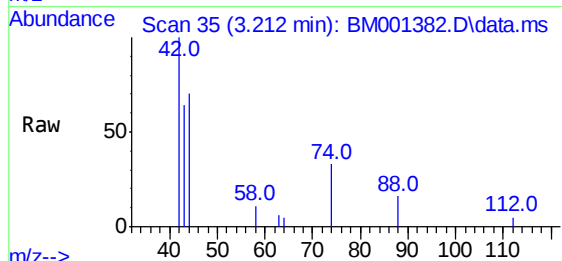




#3
n-Nitrosodimethylamine
Concen: 1.25 ng
RT: 3.212 min Scan# 35
Delta R.T. -0.015 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

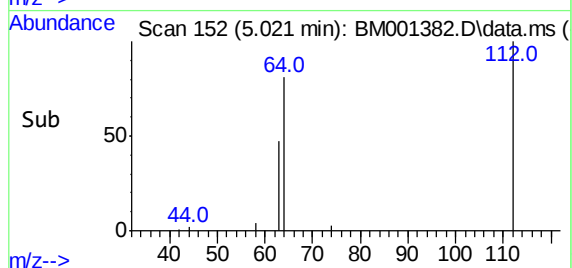
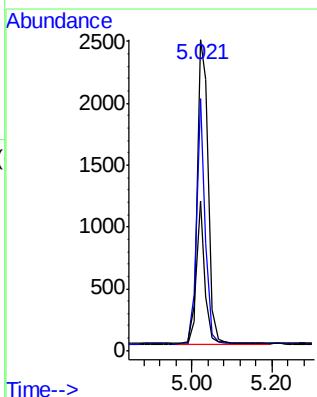
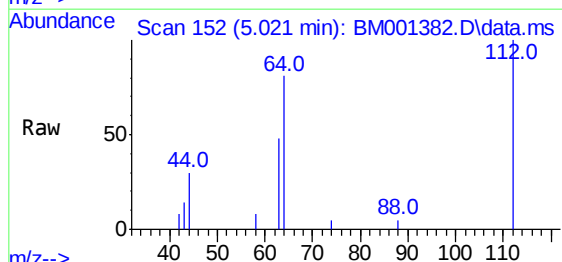
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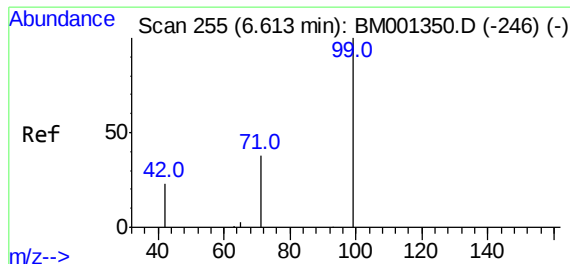
Tgt Ion: 42 Resp: 1878
Ion Ratio Lower Upper
42 100
74 86.8 70.0 105.0
44 7.9 3.6 5.4#



#4
2-Fluorophenol
Concen: 1.86 ng
RT: 5.021 min Scan# 152
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion: 112 Resp: 4795
Ion Ratio Lower Upper
112 100
64 64.5 52.9 79.3
63 36.7 29.6 44.4



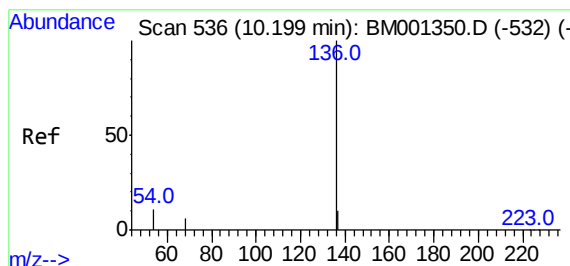
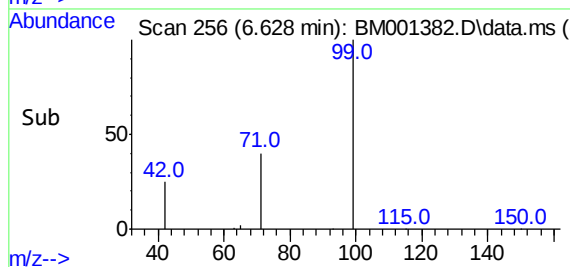
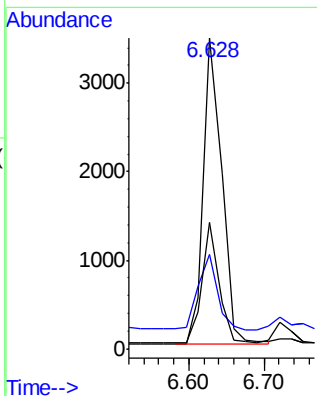
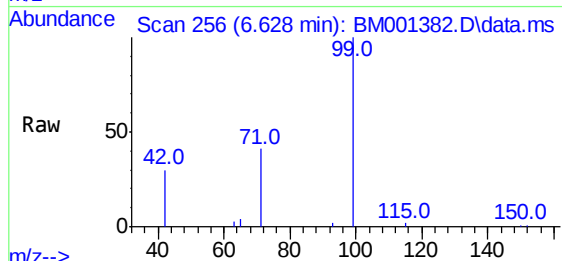


#5
Phenol-d6
Concen: 1.78 ng
RT: 6.628 min Scan# 256
Delta R.T. 0.016 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tgt Ion: 99 Resp: 5722

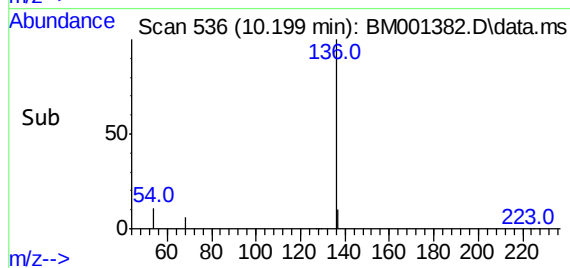
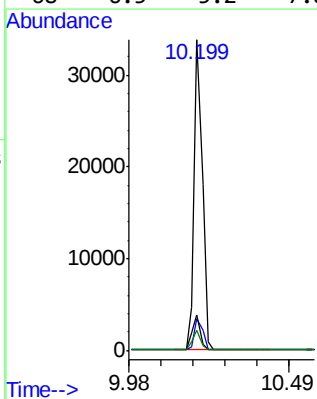
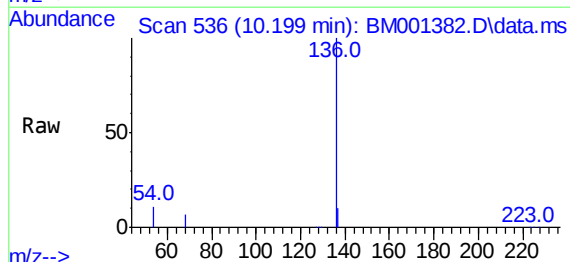
Ion	Ratio	Lower	Upper
99	100		
42	26.8	21.4	32.2
71	36.6	29.0	43.4

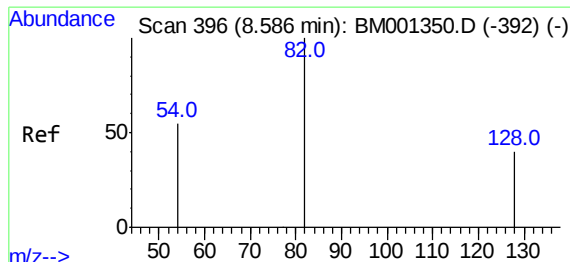


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.199 min Scan# 536
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion: 136 Resp: 59223

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.2	12.4
54	11.3	9.4	14.0
68	6.5	5.2	7.8

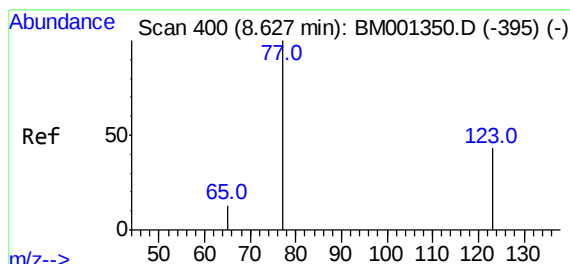
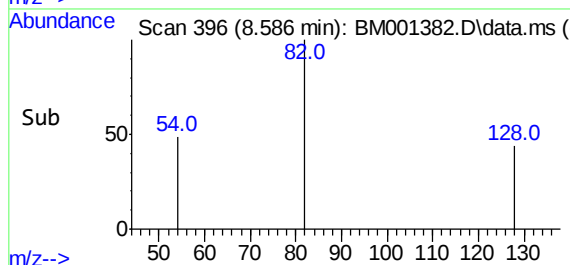
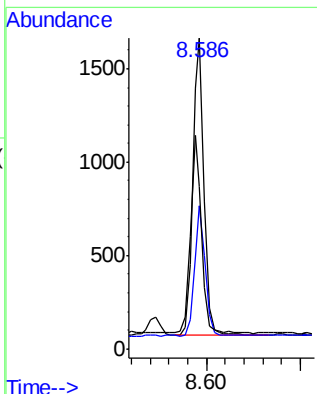
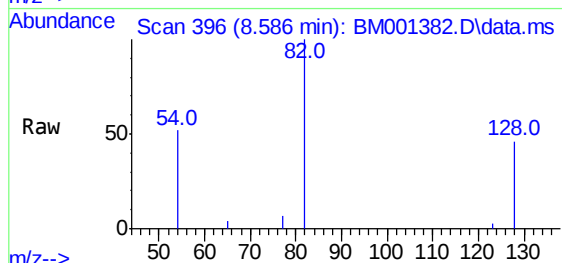




#7
Nitrobenzene-d5
Concen: 0.84 ng
RT: 8.586 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

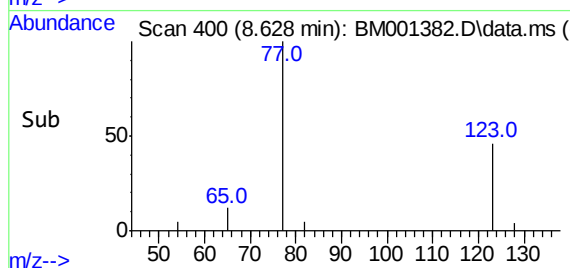
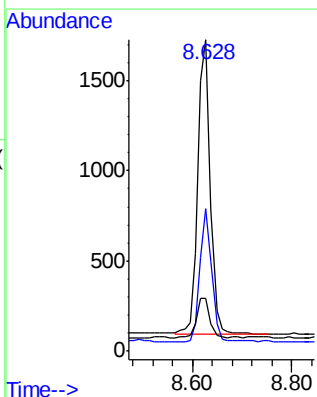
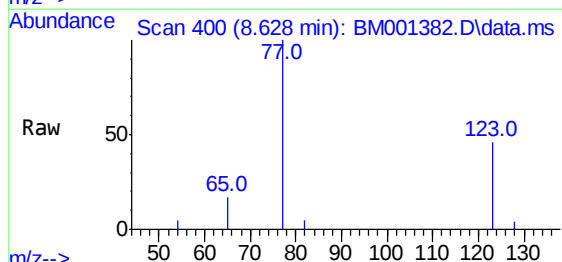
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

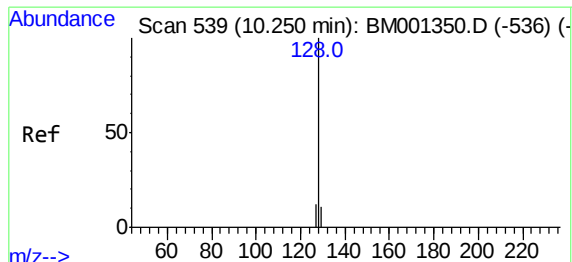
Tgt Ion: 82 Resp: 2677
Ion Ratio Lower Upper
82 100
128 46.2 33.5 50.3
54 52.4 45.1 67.7



#8
Nitrobenzene
Concen: 0.81 ng
RT: 8.628 min Scan# 400
Delta R.T. 0.001 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion: 77 Resp: 2805
Ion Ratio Lower Upper
77 100
123 42.1 33.6 50.4
65 14.0 11.3 16.9

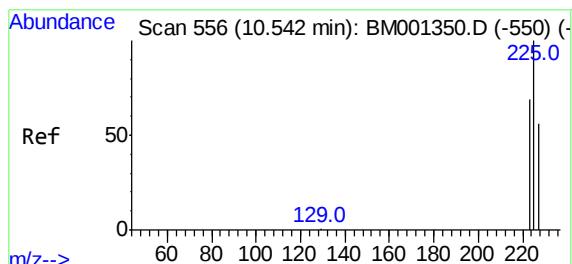
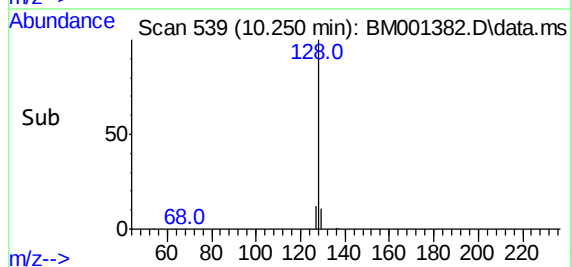
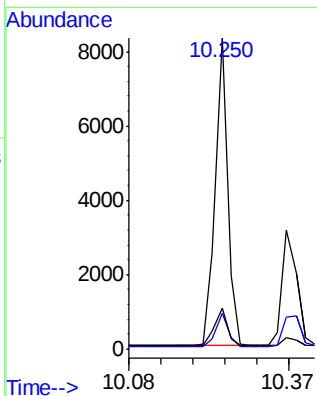
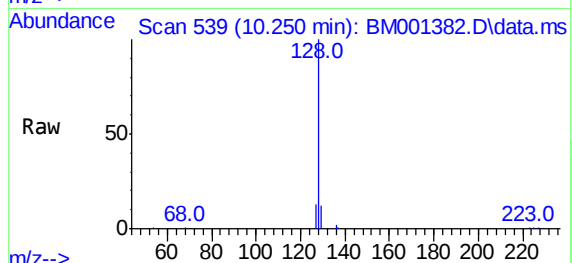




#9
Naphthalene
Concen: 1.04 ng
RT: 10.250 min Scan# 539
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

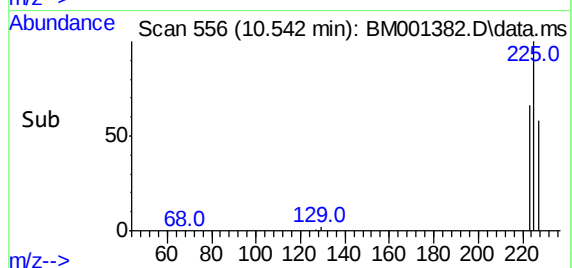
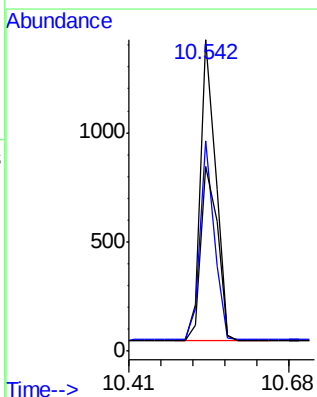
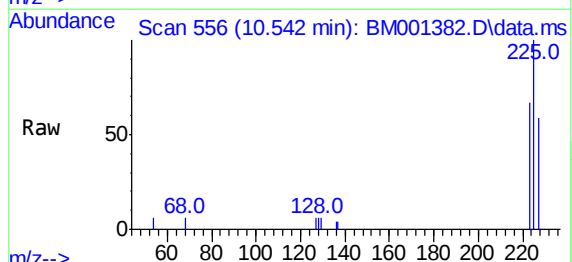
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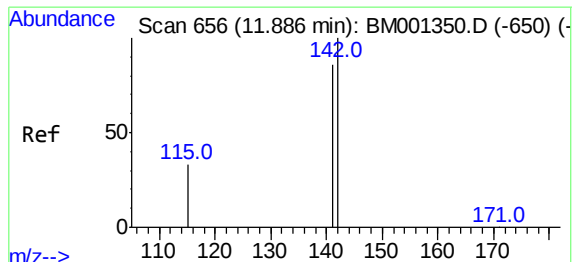
Tgt Ion:128 Resp: 13164
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.2 10.4 15.6



#10
Hexachlorobutadiene
Concen: 0.95 ng
RT: 10.542 min Scan# 556
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:225 Resp: 2325
Ion Ratio Lower Upper
225 100
223 62.6 50.3 75.5
227 63.9 50.6 75.8

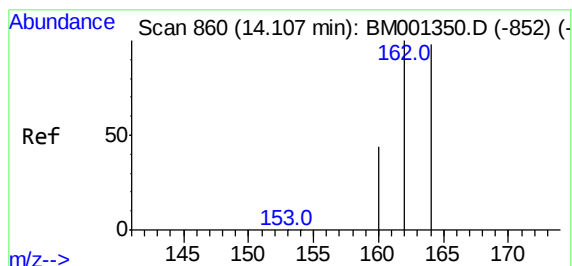
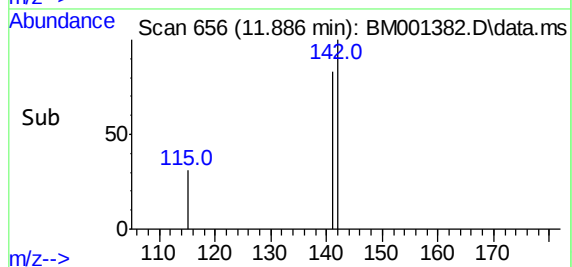
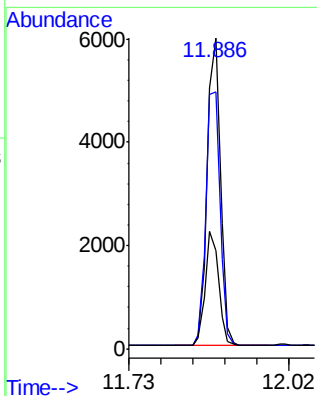
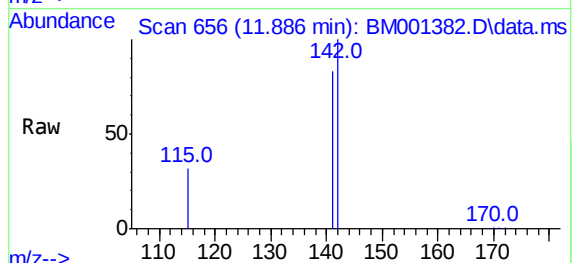




#11
2-Methylnaphthalene
Concen: 1.08 ng
RT: 11.886 min Scan# 656
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

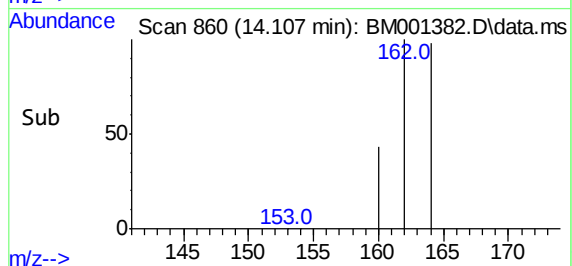
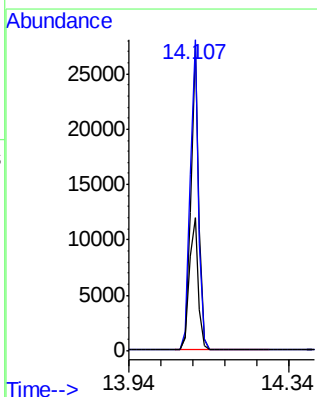
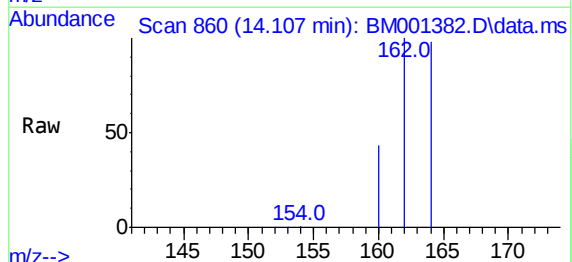
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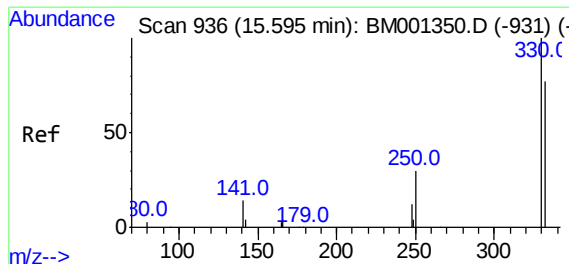
Tgt Ion:142 Resp: 9664
Ion Ratio Lower Upper
142 100
141 82.8 69.0 103.4
115 31.5 27.1 40.7



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.107 min Scan# 860
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:164 Resp: 38409
Ion Ratio Lower Upper
164 100
162 102.1 81.8 122.8
160 43.8 35.8 53.8

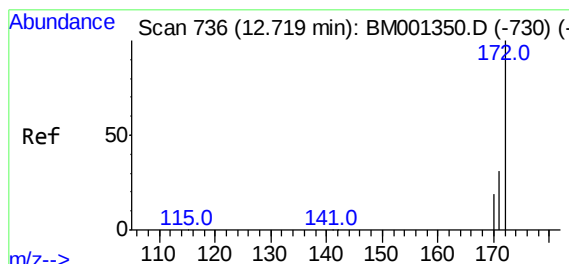
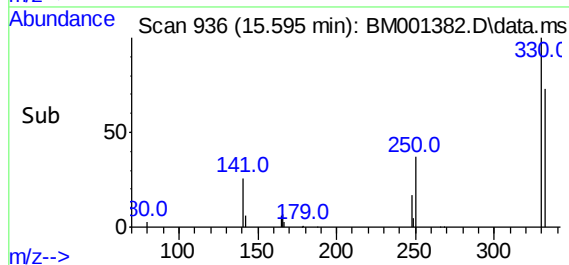
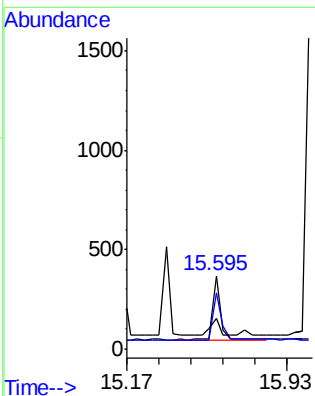
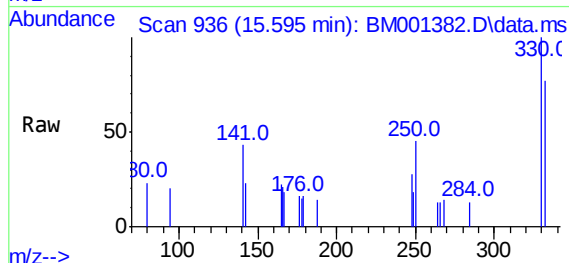




#13
 2,4,6-Tribromophenol
 Concen: 0.59 ng
 RT: 15.595 min Scan# 936
 Delta R.T. 0.001 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

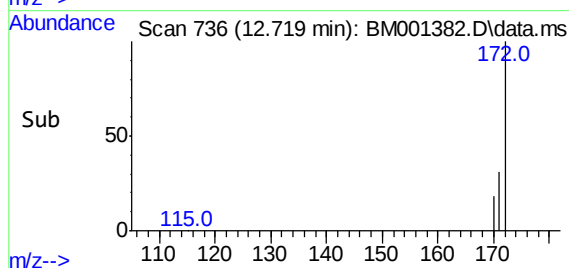
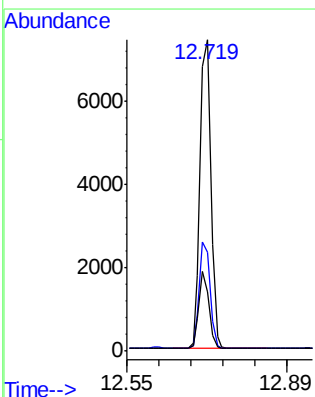
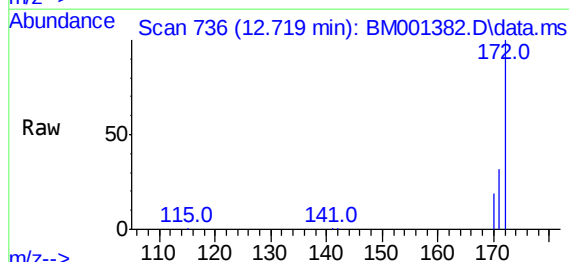
Instrument :
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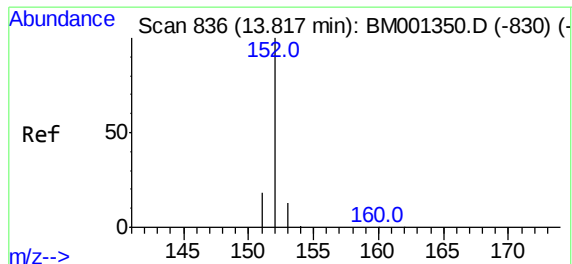
Tgt Ion:	330	Resp:	795
Ion	Ratio	Lower	Upper
330	100		
332	81.5	65.4	98.2
141	33.8	20.2	30.4



#14
 2-Fluorobiphenyl
 Concen: 1.03 ng
 RT: 12.719 min Scan# 736
 Delta R.T. 0.000 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

Tgt Ion:	172	Resp:	11829
Ion	Ratio	Lower	Upper
172	100		
171	31.5	25.4	38.2
170	18.7	15.7	23.5

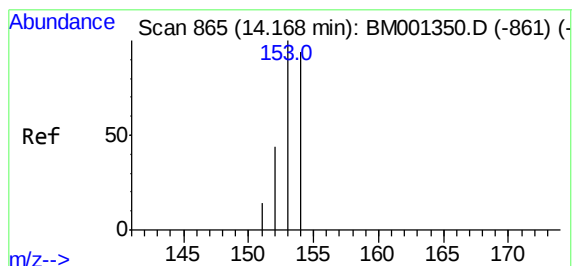
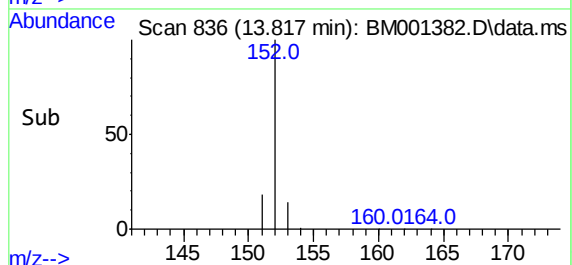
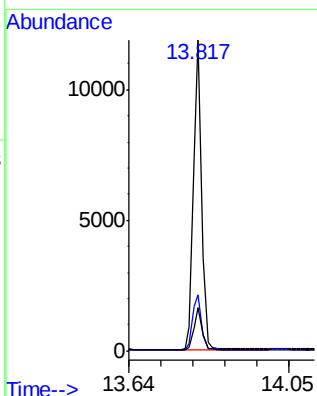
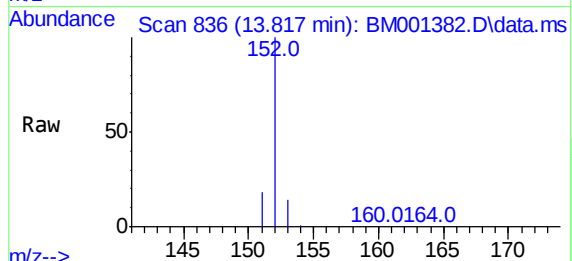




#15
Acenaphthylene
Concen: 1.09 ng
RT: 13.817 min Scan# 836
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

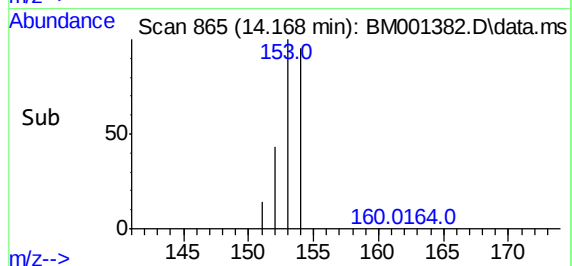
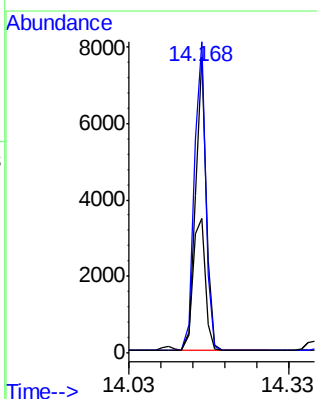
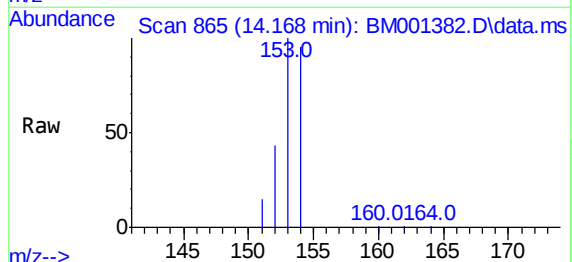
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

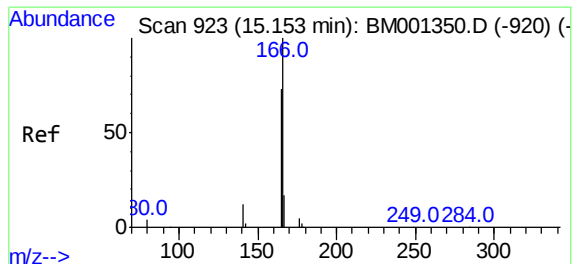
Tgt Ion:152 Resp: 17557
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 13.0 10.3 15.5



#16
Acenaphthene
Concen: 1.05 ng
RT: 14.168 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:154 Resp: 10648
Ion Ratio Lower Upper
154 100
153 112.1 90.6 135.8
152 52.8 43.6 65.4

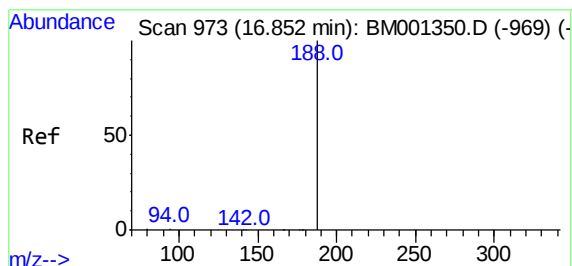
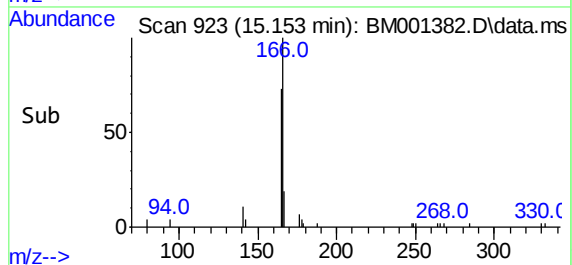
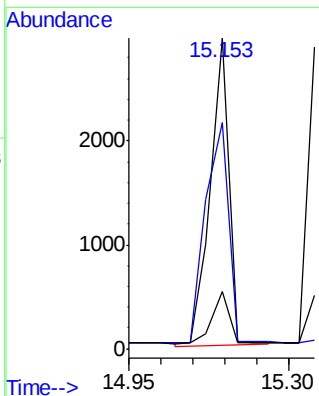
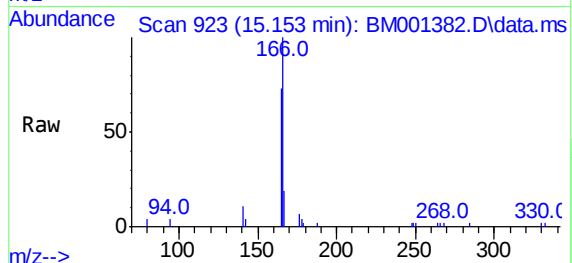




#17
Fluorene
Concen: 1.01 ng
RT: 15.153 min Scan# 923
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

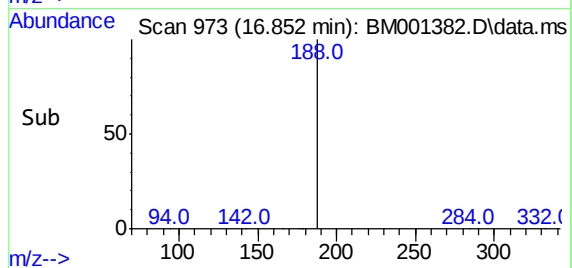
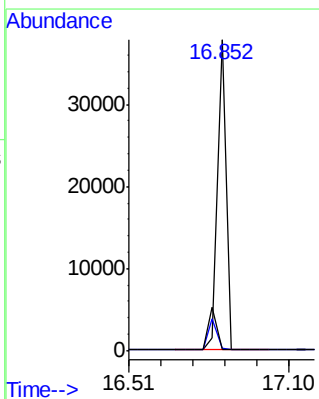
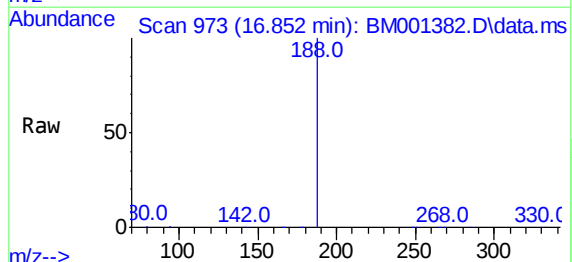
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

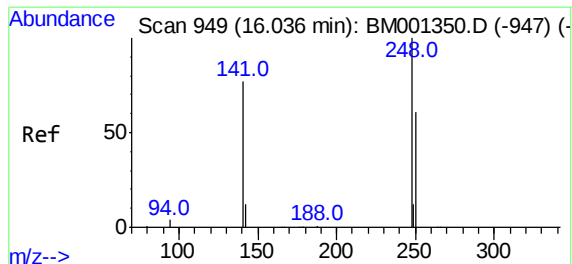
Tgt Ion:166 Resp: 8234
Ion Ratio Lower Upper
166 100
165 87.2 72.5 108.7
167 14.9 16.0 24.0#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.852 min Scan# 973
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:188 Resp: 80613
Ion Ratio Lower Upper
188 100
94 0.6 0.6 1.0#
80 0.5 0.6 0.8#

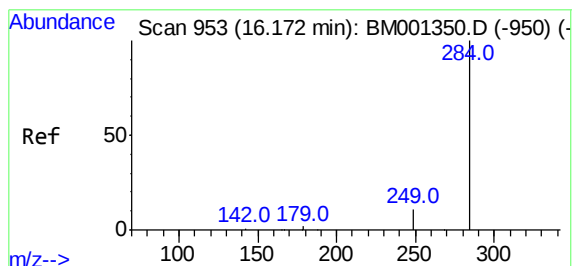
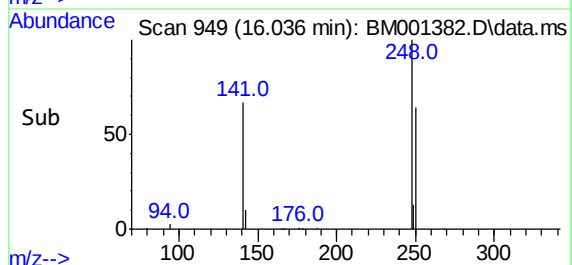
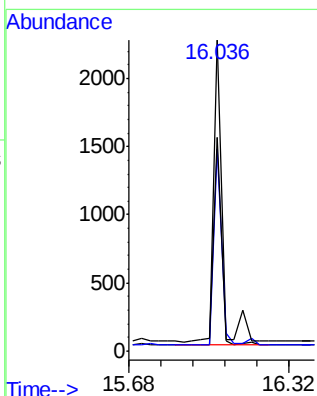
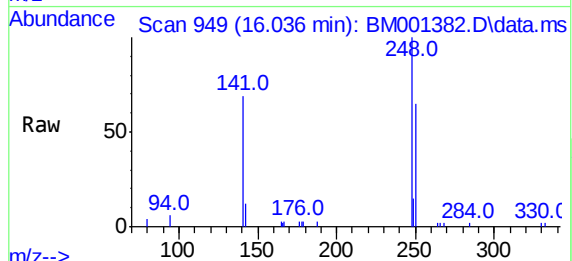




#19
4-Bromophenyl-phenylether
Concen: 1.07 ng
RT: 16.036 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

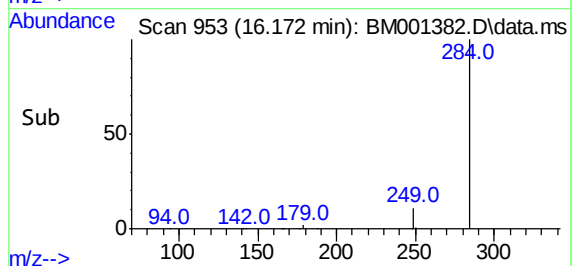
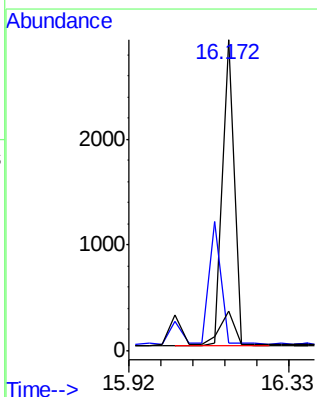
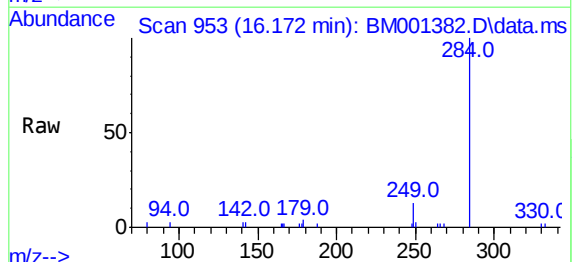
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

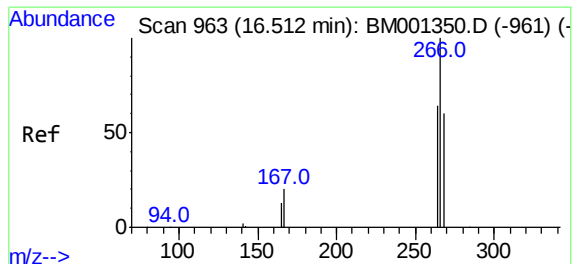
Tgt Ion:248 Resp: 4694
Ion Ratio Lower Upper
248 100
250 66.2 51.5 77.3
141 67.8 59.0 88.6



#20
Hexachlorobenzene
Concen: 1.00 ng
RT: 16.172 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:284 Resp: 5957
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 13.7 11.1 16.7

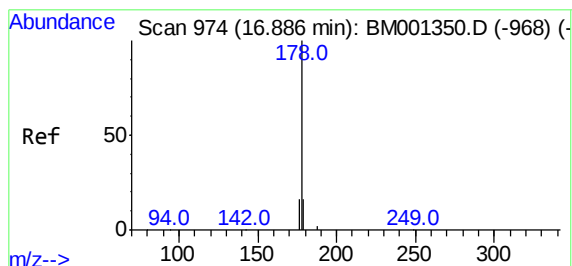
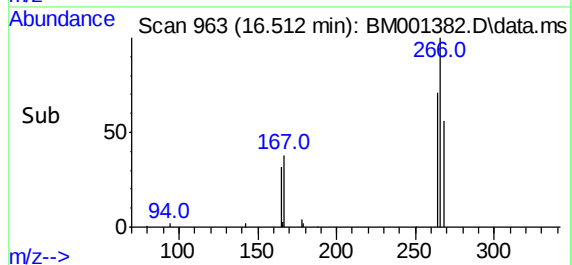
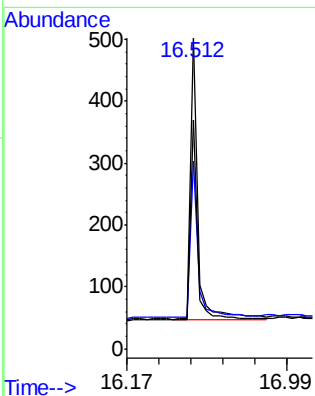
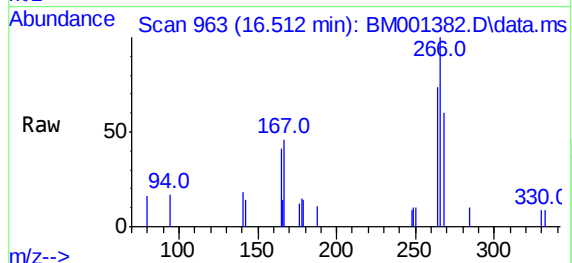




#21
Pentachlorophenol
Concen: 0.74 ng
RT: 16.512 min Scan# 963
Delta R.T. 0.001 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

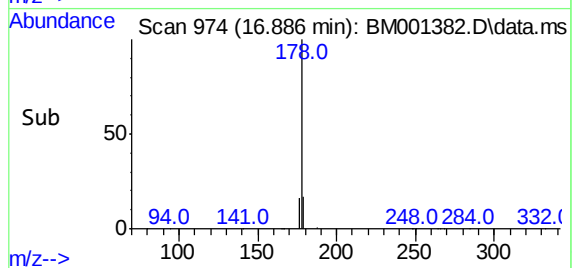
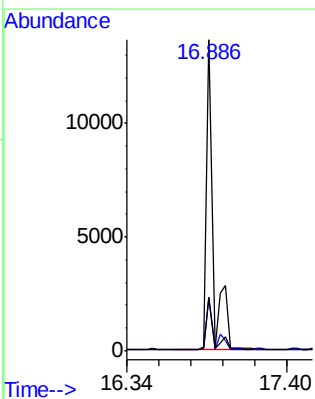
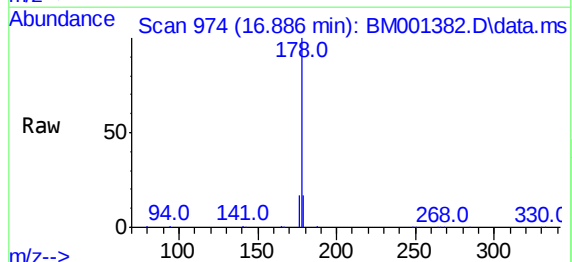
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

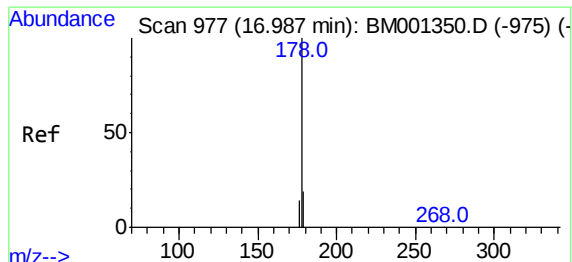
Tgt Ion:266 Resp: 1219
Ion Ratio Lower Upper
266 100
268 60.4 51.2 76.8
264 73.7 53.7 80.5



#22
Phenanthrene
Concen: 1.38 ng
RT: 16.886 min Scan# 974
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:178 Resp: 39032
Ion Ratio Lower Upper
178 100
176 17.2 16.6 25.0
179 14.1 12.8 19.2

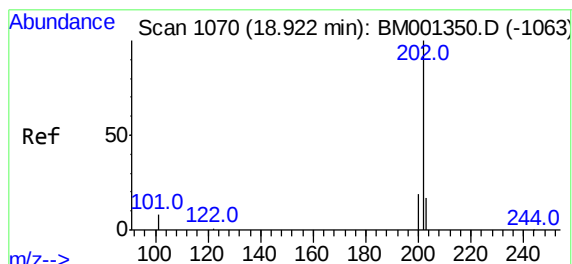
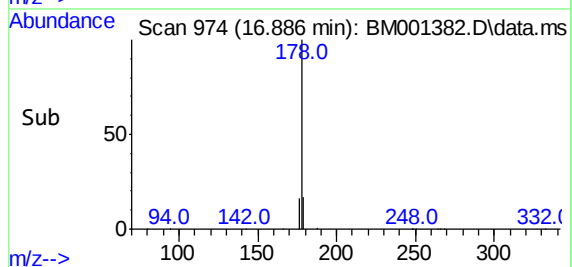
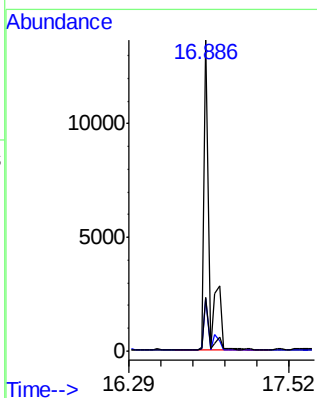
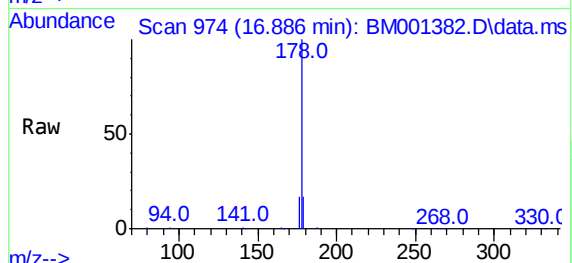




#23
 Anthracene
 Concen: 3.56 ng
 RT: 16.886 min Scan# 974
 Delta R.T. -0.102 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

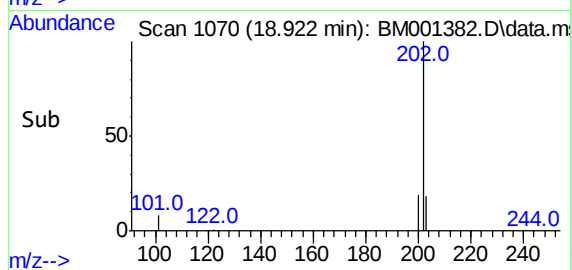
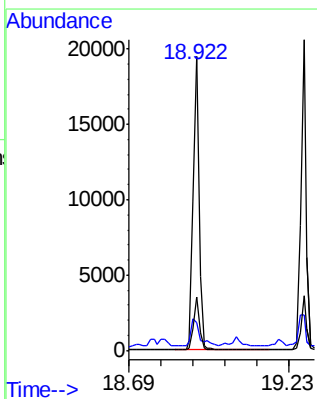
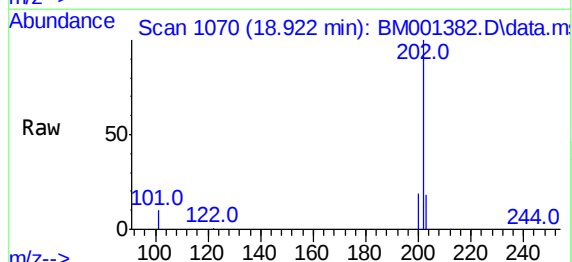
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

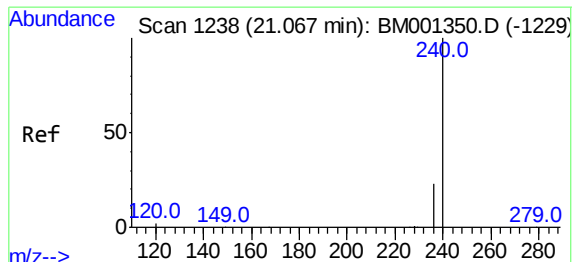
Tgt Ion:178 Resp: 39064
 Ion Ratio Lower Upper
 178 100
 176 17.2 46.1 69.1#
 179 14.0 35.4 53.0#



#24
 Fluoranthene
 Concen: 1.06 ng
 RT: 18.922 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

Tgt Ion:202 Resp: 25622
 Ion Ratio Lower Upper
 202 100
 101 14.7 8.7 13.1#
 203 17.2 13.8 20.6

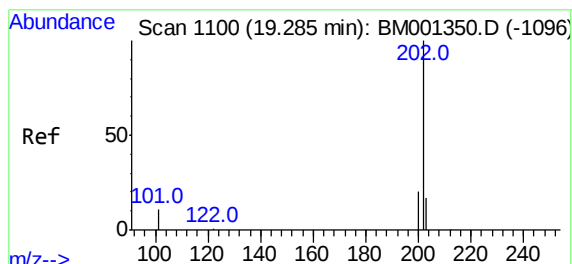
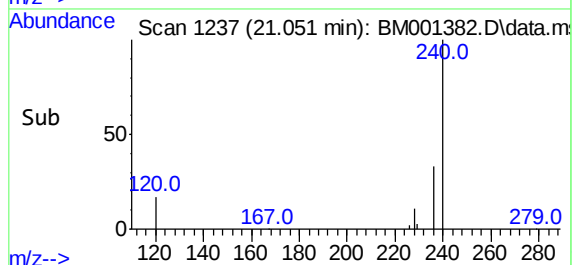
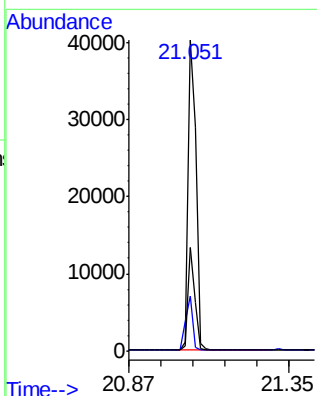
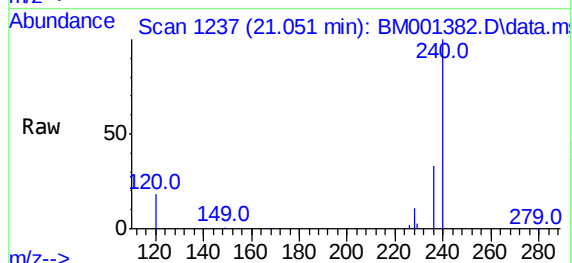




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.051 min Scan# 1237
Delta R.T. -0.015 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

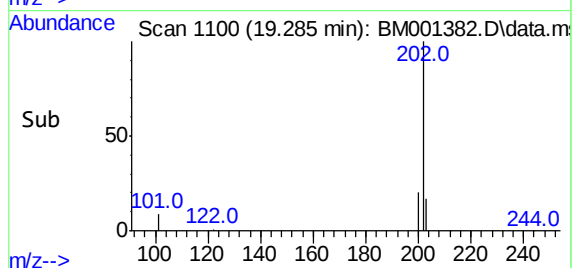
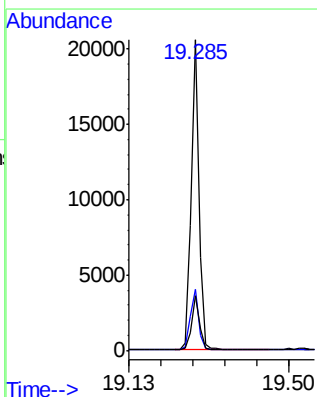
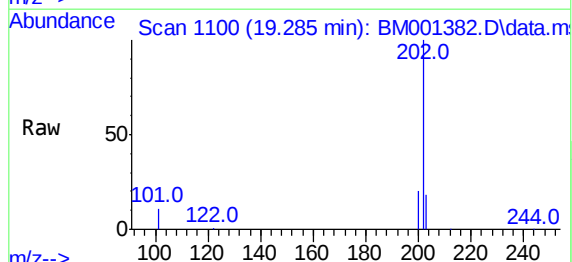
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

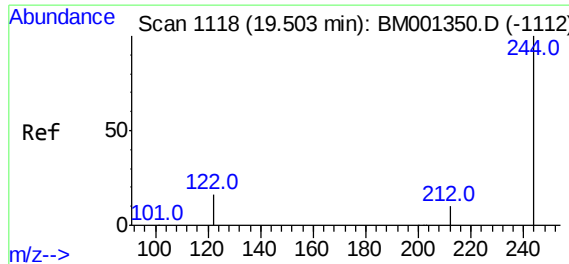
Tgt Ion:240 Resp: 66620
Ion Ratio Lower Upper
240 100
120 17.7 1.6 2.4#
236 33.1 18.5 27.7#



#26
Pyrene
Concen: 1.28 ng
RT: 19.285 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:202 Resp: 26147
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.4 13.9 20.9

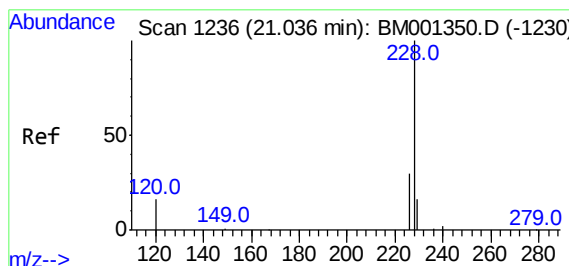
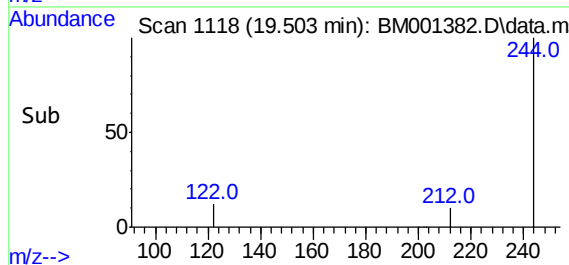
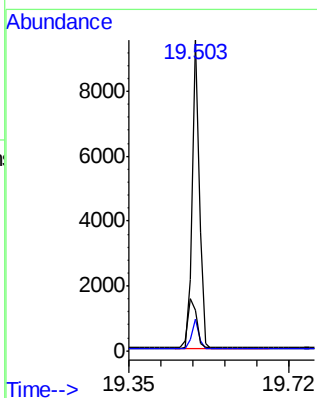
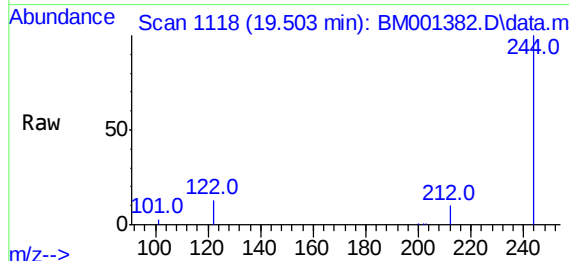




#27
 Terphenyl-d14
 Concen: 1.29 ng
 RT: 19.503 min Scan# 1118
 Delta R.T. 0.000 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

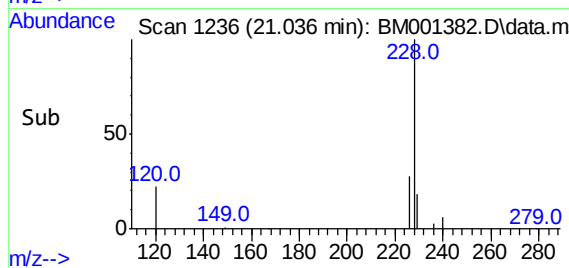
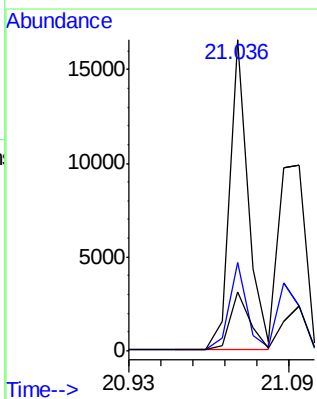
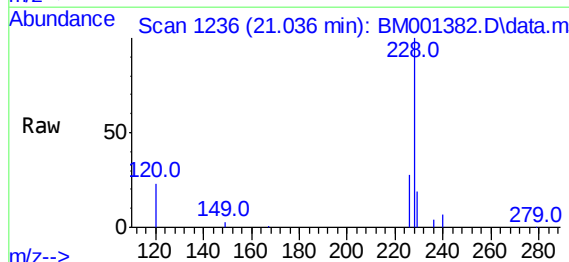
Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

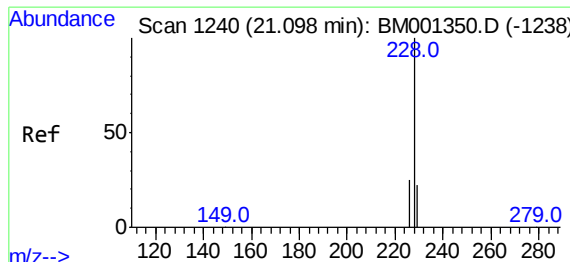
Tgt Ion:	244	Resp:	11338
Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.5	12.7
122	13.2	13.4	20.2



#28
 Benzo(a)anthracene
 Concen: 1.10 ng
 RT: 21.036 min Scan# 1236
 Delta R.T. 0.000 min
 Lab File: BM001382.D
 Acq: 22 May 2015 04:52

Tgt Ion:	228	Resp:	21040
Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.5	36.7
229	18.7	13.3	19.9





#29

Chrysene

Concen: 1.02 ng

RT: 21.098 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BM001382.D

Acq: 22 May 2015 04:52

Instrument :

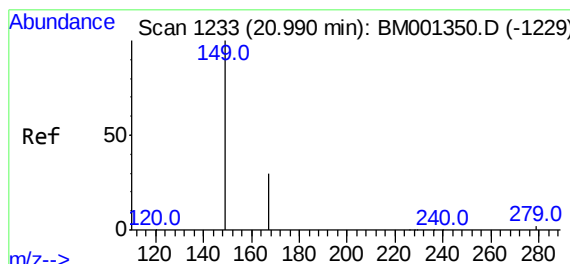
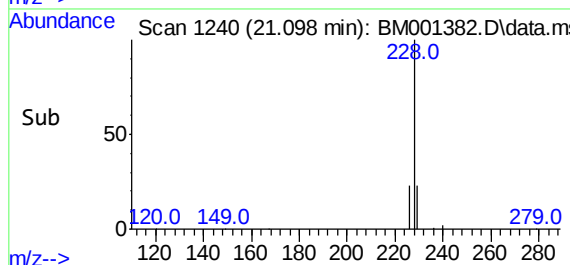
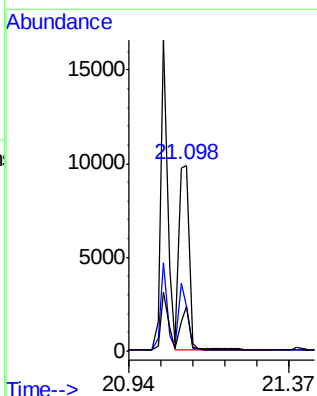
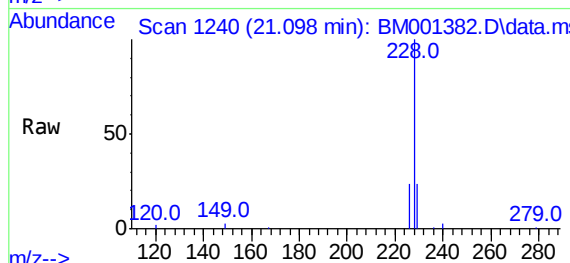
BNA_M

ClientSampleId :

SSTDCCC001EC

Tgt Ion:228 Resp: 18626

Ion	Ratio	Lower	Upper
228	100		
226	23.7	20.0	30.0
229	23.8	17.6	26.4



#30

Bis(2-ethylhexyl)phthalate

Concen: 1.58 ng

RT: 20.974 min Scan# 1232

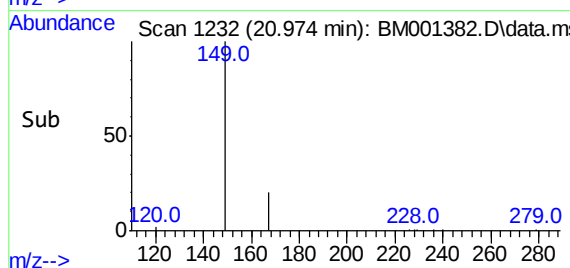
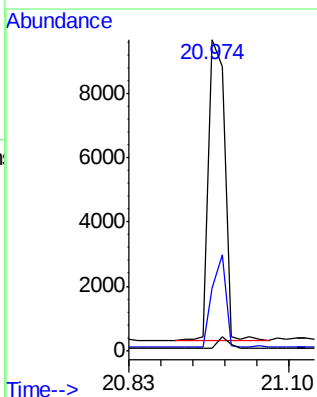
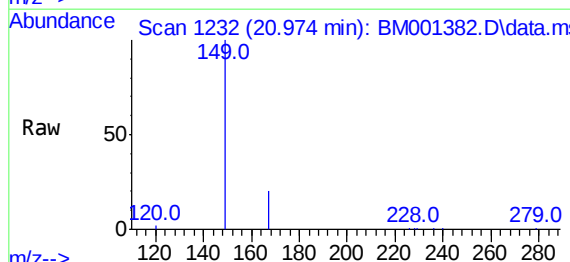
Delta R.T. -0.015 min

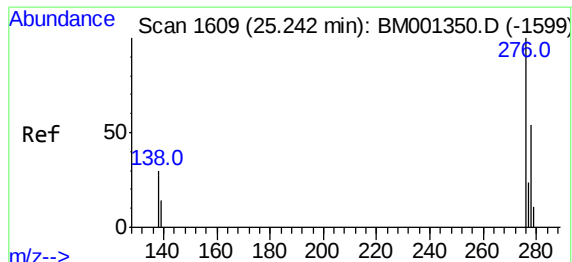
Lab File: BM001382.D

Acq: 22 May 2015 04:52

Tgt Ion:149 Resp: 17112

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.6	32.4
279	2.8	1.9	2.9

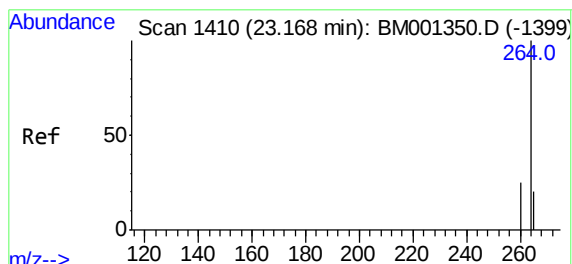
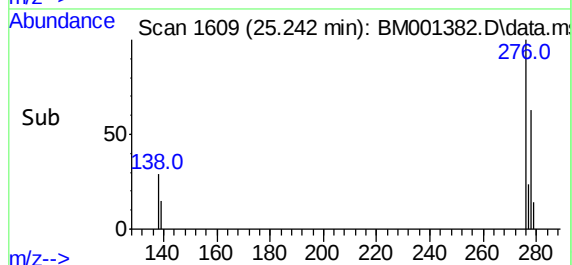
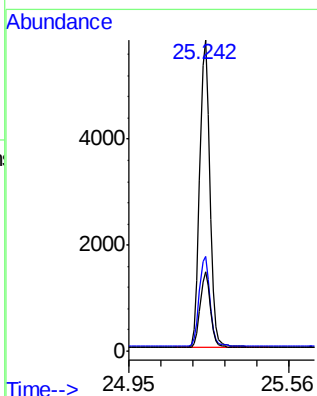
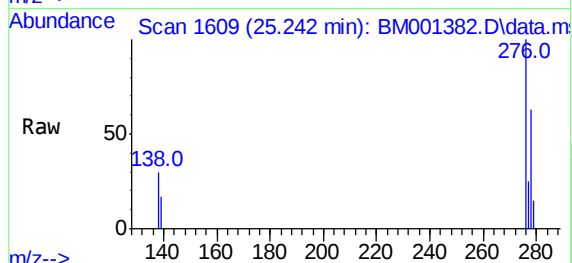




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.80 ng
RT: 25.242 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

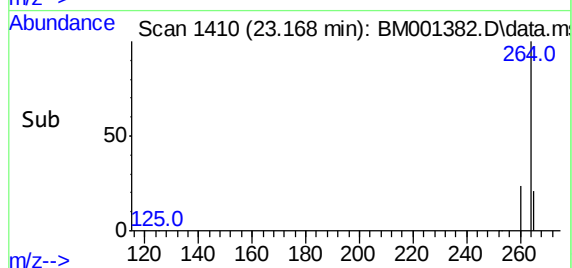
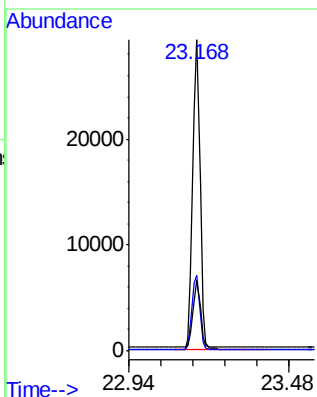
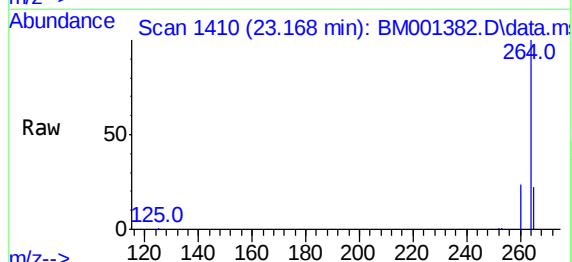
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

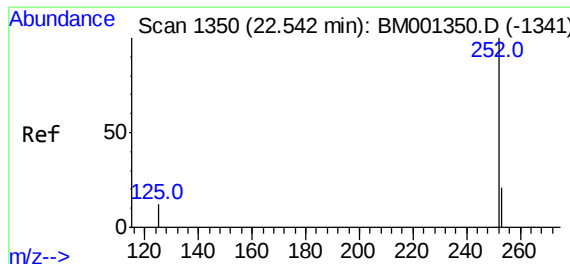
Tgt Ion:276 Resp: 15653
Ion Ratio Lower Upper
276 100
138 29.7 24.2 36.4
277 24.5 19.7 29.5



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.168 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:264 Resp: 50695
Ion Ratio Lower Upper
264 100
260 24.4 20.4 30.6
265 22.4 16.6 24.8





#33

Benzo(b)fluoranthene

Concen: 1.03 ng

RT: 22.542 min Scan# 1350

Delta R.T. 0.000 min

Lab File: BM001382.D

Acq: 22 May 2015 04:52

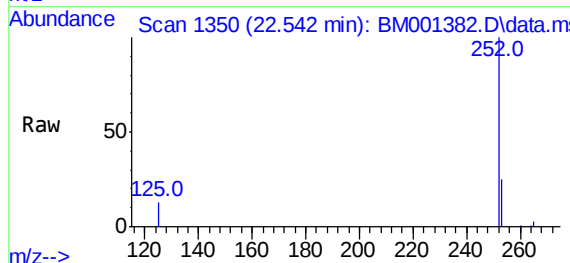
Tgt Ion:252 Resp: 16160

Ion Ratio Lower Upper

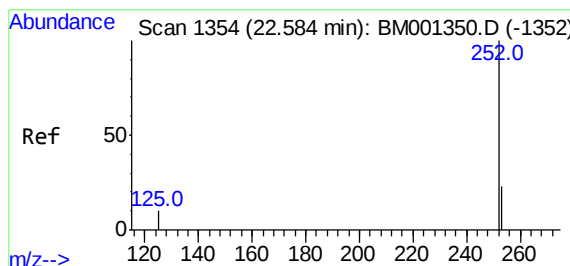
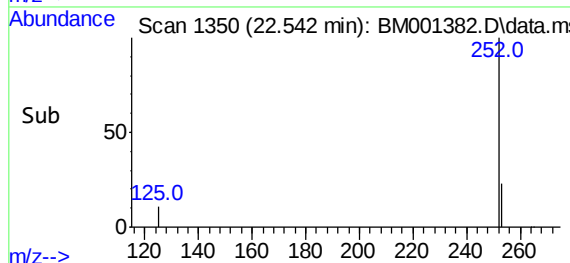
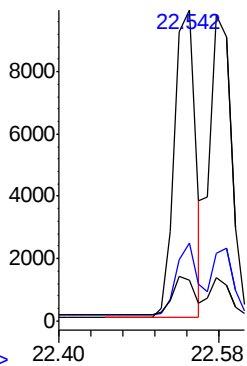
252 100

253 25.1 17.9 26.9

125 12.9 9.8 14.8



Abundance



#34

Benzo(k)fluoranthene

Concen: 1.17 ng

RT: 22.542 min Scan# 1350

Delta R.T. -0.042 min

Lab File: BM001382.D

Acq: 22 May 2015 04:52

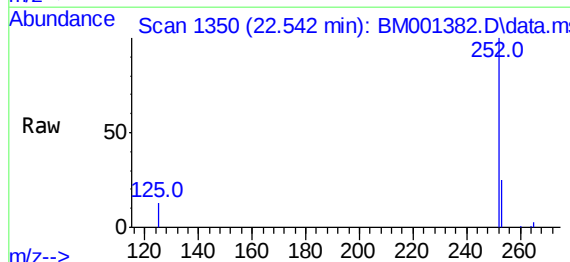
Tgt Ion:252 Resp: 16160

Ion Ratio Lower Upper

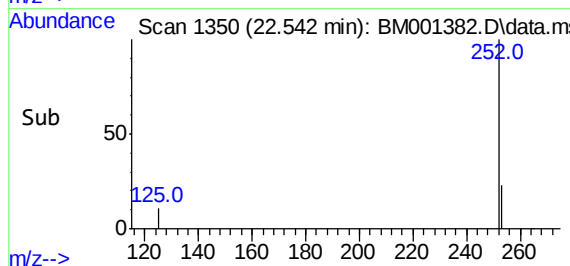
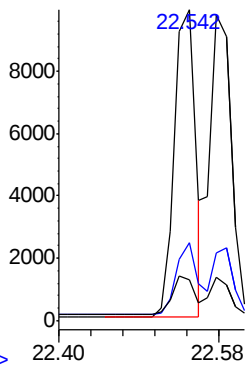
252 100

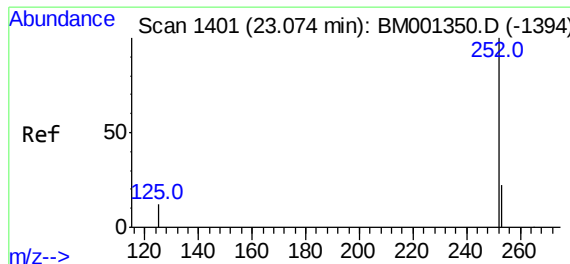
253 25.1 18.6 28.0

125 12.9 9.3 13.9



Abundance

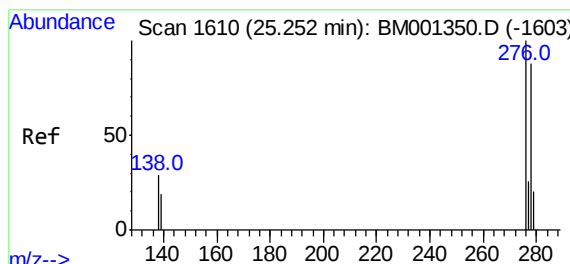
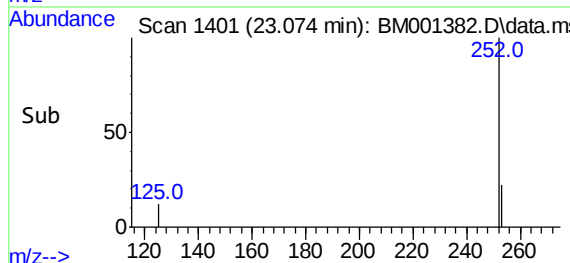
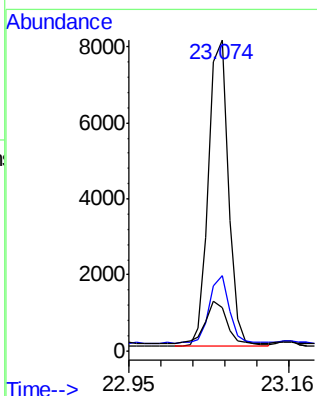
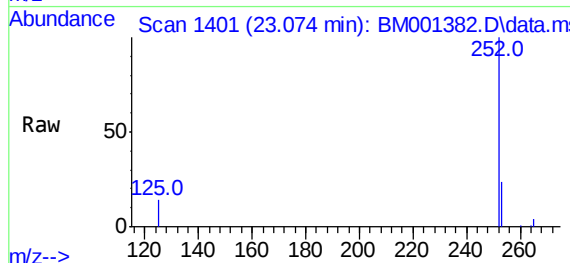




#35
Benzo(a)pyrene
Concen: 1.10 ng
RT: 23.074 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

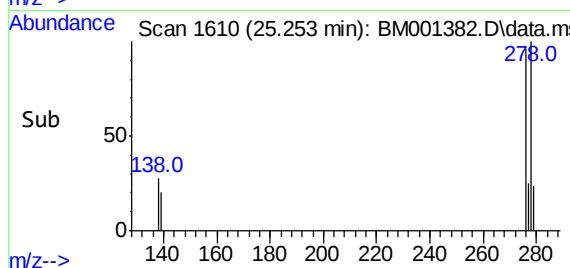
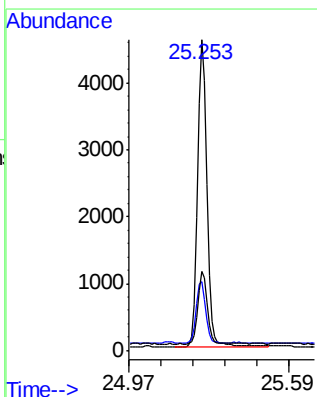
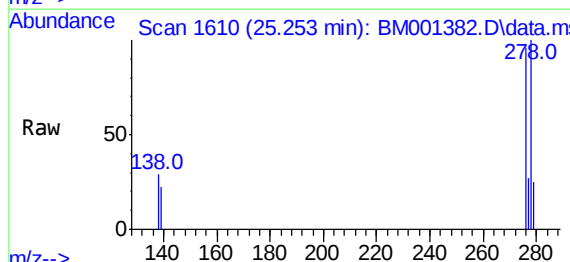
Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

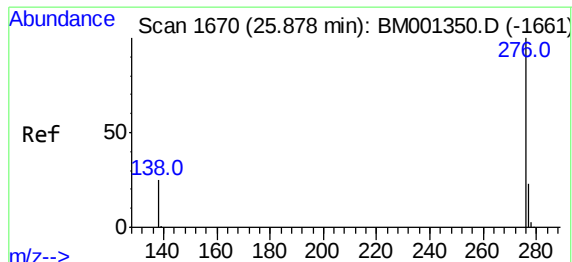
Tgt Ion:252 Resp: 14575
Ion Ratio Lower Upper
252 100
253 24.4 18.9 28.3
125 14.1 10.6 15.8



#36
Dibenzo(a,h)anthracene
Concen: 1.00 ng
RT: 25.253 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM001382.D
Acq: 22 May 2015 04:52

Tgt Ion:278 Resp: 12217
Ion Ratio Lower Upper
278 100
139 22.0 17.5 26.3
279 25.3 18.7 28.1





#37

Benzo(g,h,i)perylene

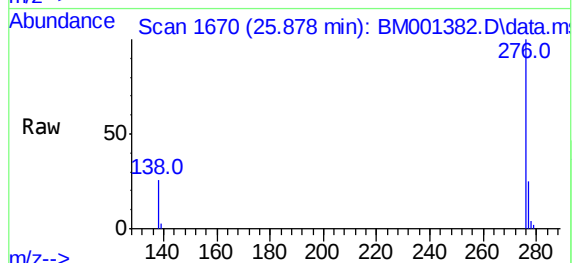
Concen: 0.96 ng

RT: 25.878 min Scan# 1670

Delta R.T. 0.000 min

Lab File: BM001382.D

Acq: 22 May 2015 04:52



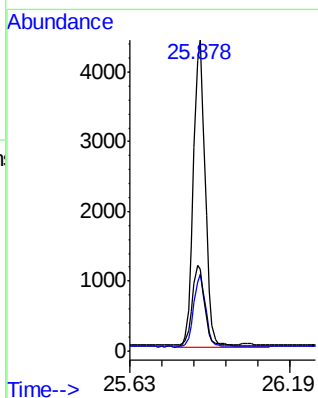
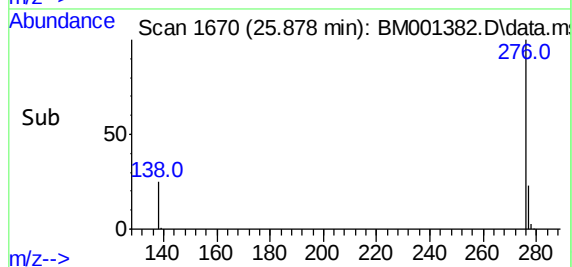
Tgt Ion: 276 Resp: 12650

Ion Ratio Lower Upper

276 100

277 24.6 19.2 28.8

138 26.4 20.2 30.4



Instrument :

BNA_M

ClientSampleId :

SSTDCCC001EC