

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052015\
 Data File : BM001365.D
 Acq On : 21 May 2015 18:09
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 22 03:54:20 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

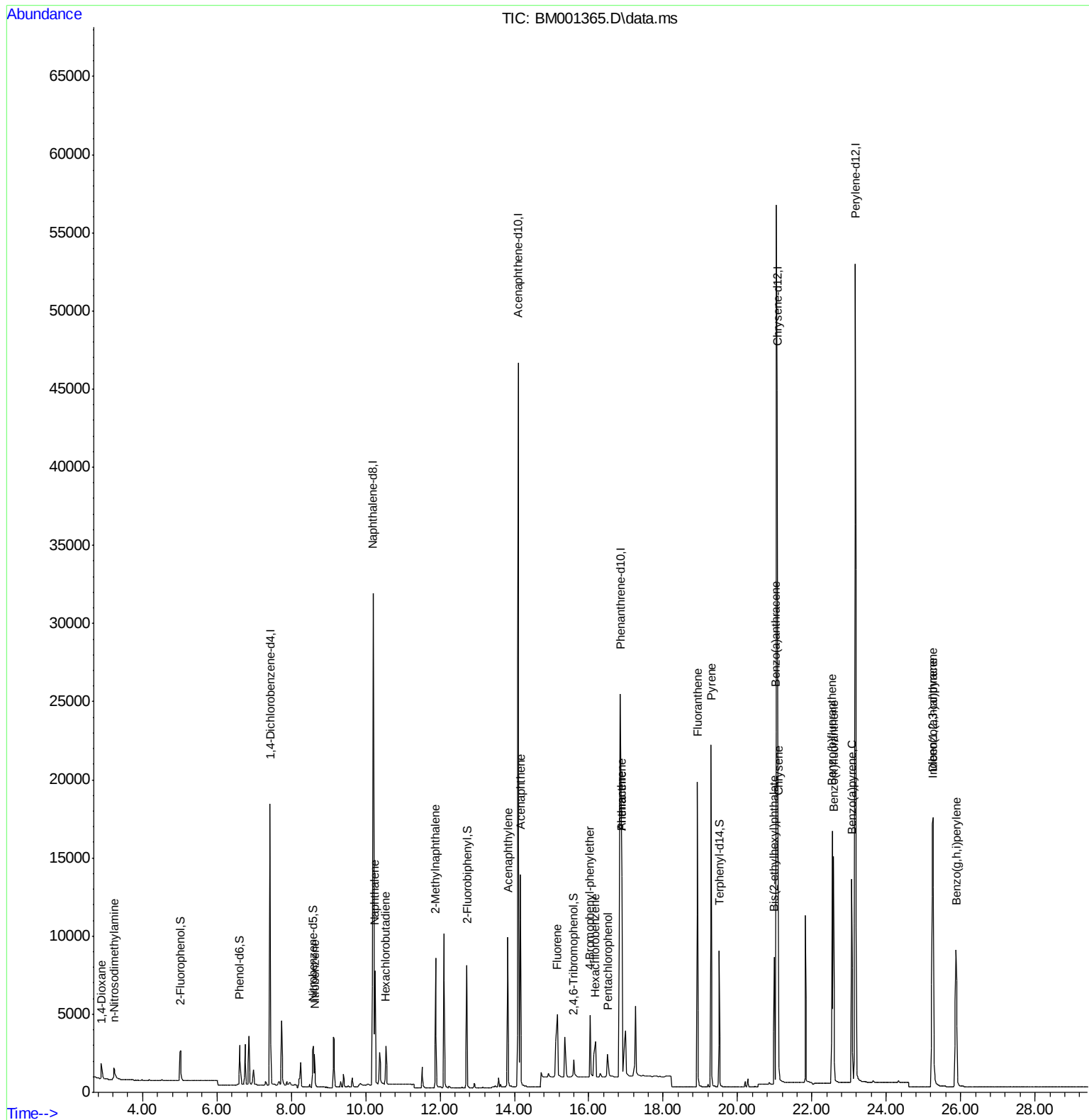
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.432	152	10483	5.00	ng	0.00
6) Naphthalene-d8	10.199	136	42327	5.00	ng	0.00
12) Acenaphthene-d10	14.108	164	26984	5.00	ng	0.00
18) Phenanthrene-d10	16.852	188	53072	5.00	ng	# 0.00
25) Chrysene-d12	21.067	240	63395	5.00	ng	# 0.00
32) Perylene-d12	23.168	264	62575	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.021	112	2093	1.03	ng	0.00
5) Phenol-d6	6.613	99	2636	1.04	ng	0.00
7) Nitrobenzene-d5	8.586	82	2354	1.03	ng	0.00
13) 2,4,6-Tribromophenol	15.595	330	1066	1.04	ng	0.00
14) 2-Fluorobiphenyl	12.719	172	8413	1.05	ng	0.00
27) Terphenyl-d14	19.503	244	8622	1.03	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.903	88	1252	1.32	ng	Qvalue 94
3) n-Nitrosodimethylamine	3.228	42	1273	1.08	ng	# 98
8) Nitrobenzene	8.628	77	2445	0.96	ng	99
9) Naphthalene	10.250	128	9381	1.04	ng	100
10) Hexachlorobutadiene	10.542	225	1829	1.05	ng	99
11) 2-Methylnaphthalene	11.886	142	6667	1.04	ng	96
15) Acenaphthylene	13.817	152	11806	1.04	ng	100
16) Acenaphthene	14.168	154	7292	1.02	ng	98
17) Fluorene	15.153	166	5594	0.98	ng	98
19) 4-Bromophenyl-phenylether	16.037	248	3420	1.18	ng	89
20) Hexachlorobenzene	16.172	284	3991	1.02	ng	# 98
21) Pentachlorophenol	16.512	266	1412	1.00	ng	99
22) Phenanthrene	16.886	178	27891	1.49	ng	93
23) Anthracene	16.886	178	27958	3.87	ng	# 48
24) Fluoranthene	18.922	202	18471	1.16	ng	100
26) Pyrene	19.286	202	19596	1.01	ng	100
28) Benzo(a)anthracene	21.036	228	18740	1.03	ng	98
29) Chrysene	21.098	228	18132	1.04	ng	99
30) Bis(2-ethylhexyl)phtha...	20.990	149	8476	0.92	ng	100
31) Indeno(1,2,3-cd)pyrene	25.242	276	20078	1.07	ng	100
33) Benzo(b)fluoranthene	22.542	252	19987	1.04	ng	99
34) Benzo(k)fluoranthene	22.584	252	16977	1.00	ng	99
35) Benzo(a)pyrene	23.074	252	16762	1.02	ng	99
36) Dibenzo(a,h)anthracene	25.253	278	15470	1.03	ng	99
37) Benzo(g,h,i)perylene	25.878	276	16559	1.02	ng	99

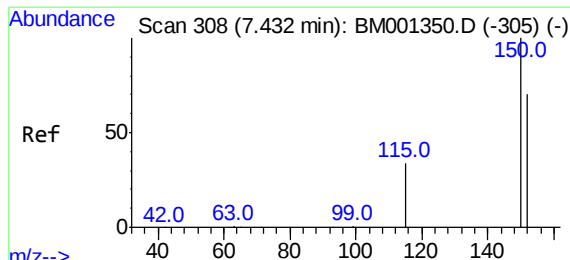
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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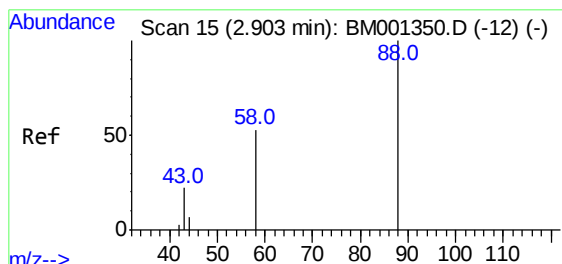
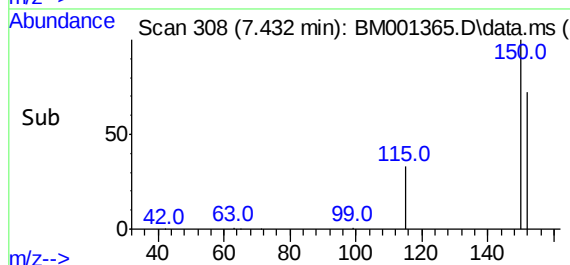
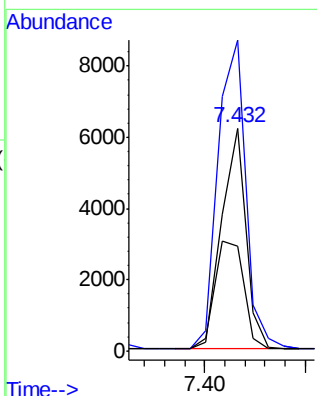
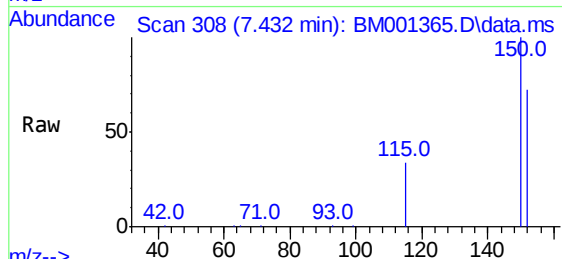




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.432 min Scan# 308
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

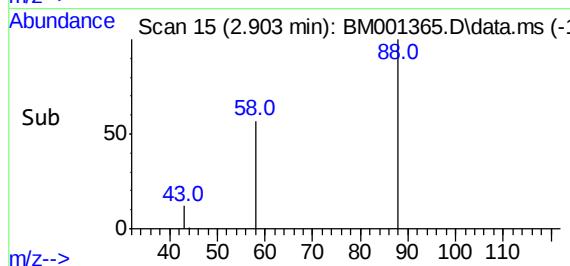
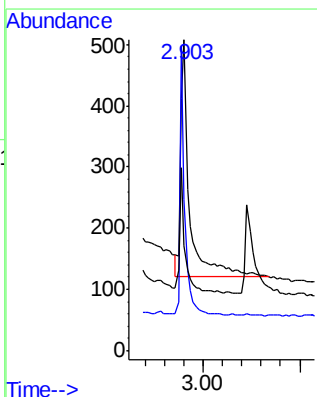
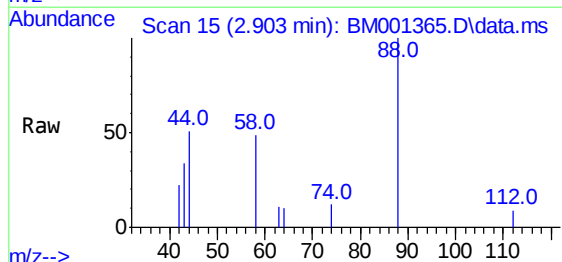
Instrument :
BNA_M
ClientSampleId :

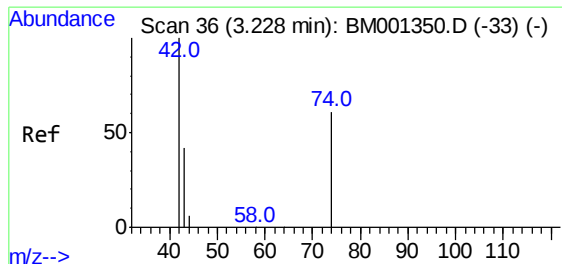
Tgt Ion:152 Resp: 10483
Ion Ratio Lower Upper
152 100
150 139.6 114.1 171.1
115 47.0 39.2 58.8



#2
1,4-Dioxane
Concen: 1.32 ng
RT: 2.903 min Scan# 15
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion: 88 Resp: 1252
Ion Ratio Lower Upper
88 100
58 59.2 53.1 79.7
43 34.3 27.8 41.8

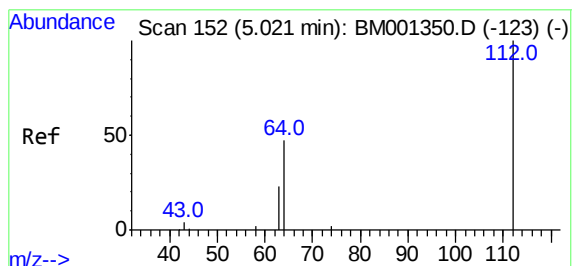
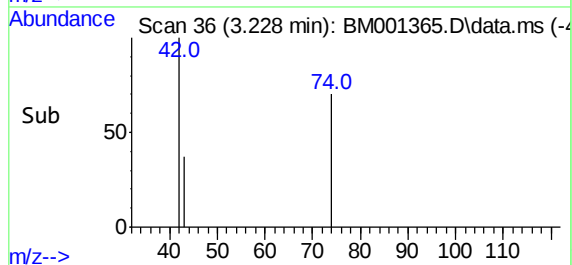
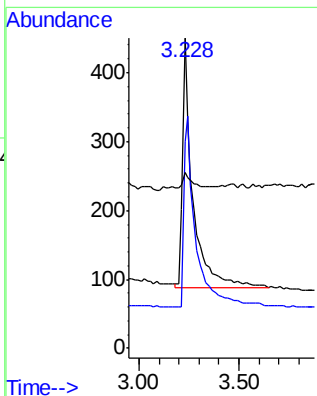
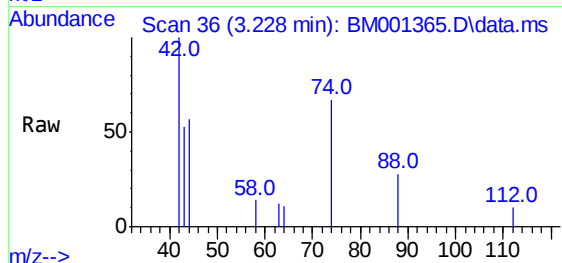




#3
n-Nitrosodimethylamine
Concen: 1.08 ng
RT: 3.228 min Scan# 36
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

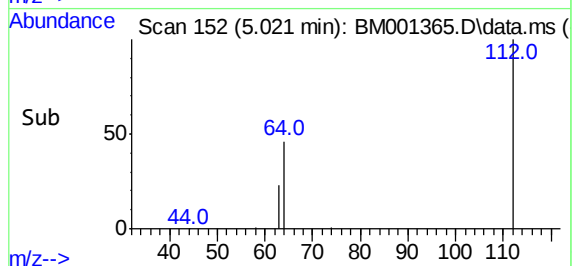
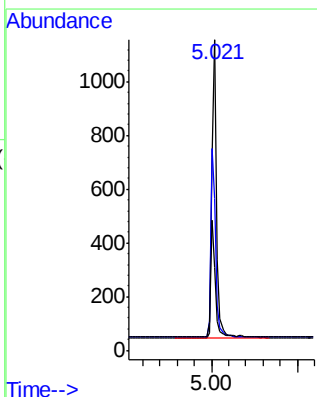
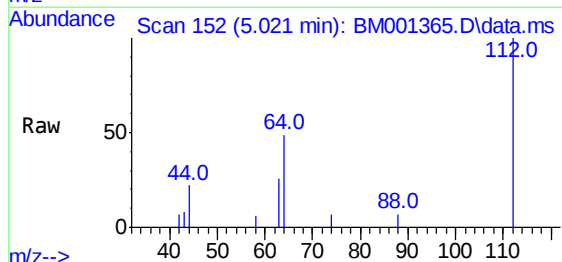
Instrument :
BNA_M
ClientSampleId :

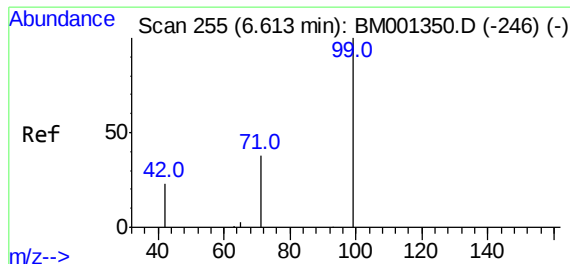
Tgt Ion: 42 Resp: 1273
Ion Ratio Lower Upper
42 100
74 89.2 70.0 105.0
44 5.4 3.6 5.4#



#4
2-Fluorophenol
Concen: 1.03 ng
RT: 5.021 min Scan# 152
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion: 112 Resp: 2093
Ion Ratio Lower Upper
112 100
64 65.6 52.9 79.3
63 37.3 29.6 44.4

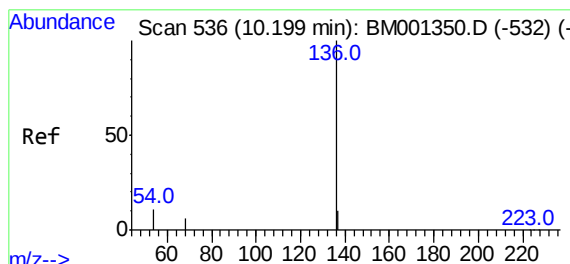
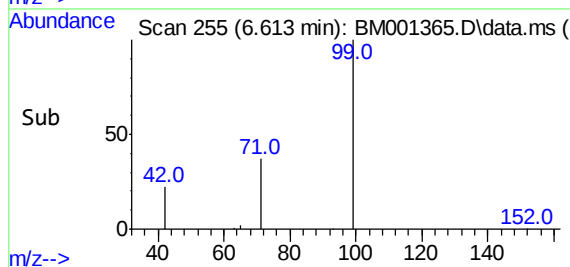
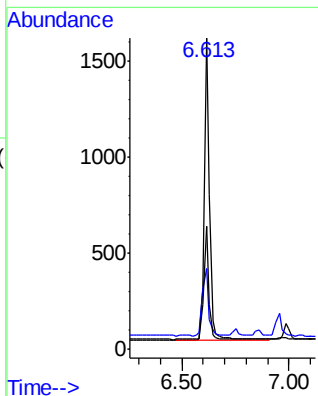
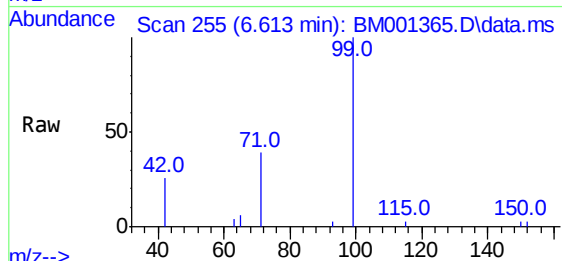




#5
Phenol-d6
Concen: 1.04 ng
RT: 6.613 min Scan# 255
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

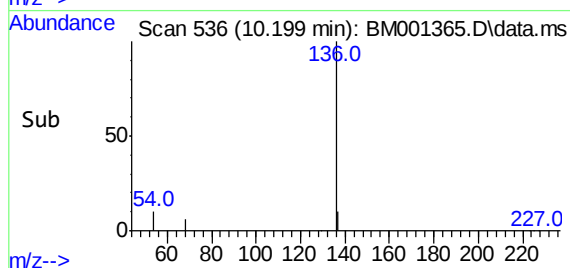
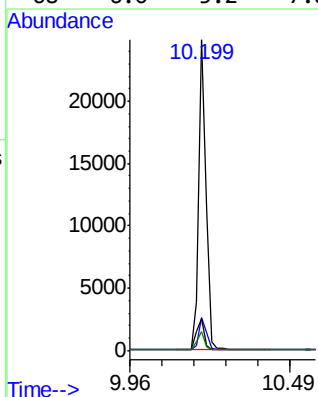
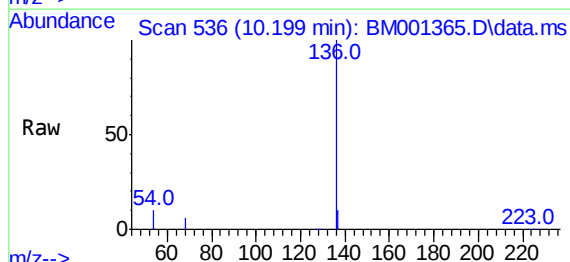
Instrument :
BNA_M
ClientSampleId :

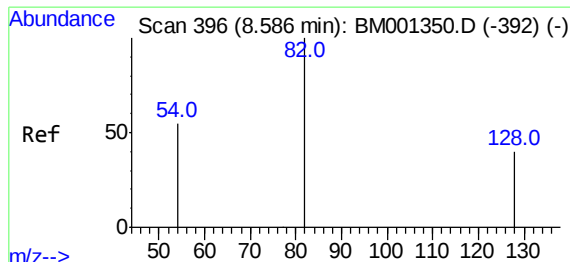
Tgt Ion: 99 Resp: 2636
Ion Ratio Lower Upper
99 100
42 26.3 21.4 32.2
71 35.6 29.0 43.4



#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.199 min Scan# 536
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:136 Resp: 42327
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 10.4 9.4 14.0
68 6.0 5.2 7.8

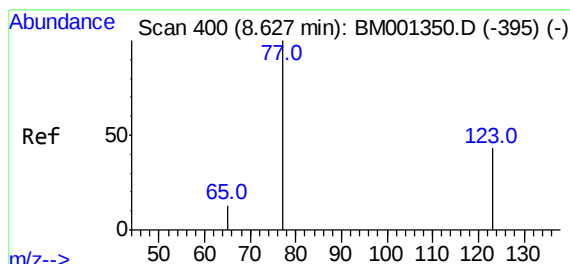
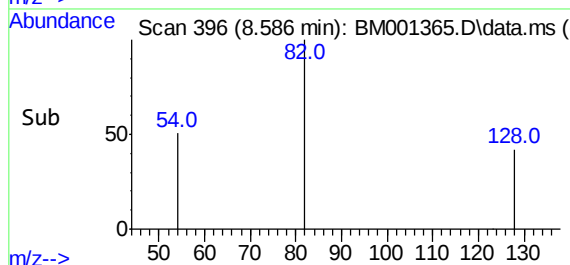
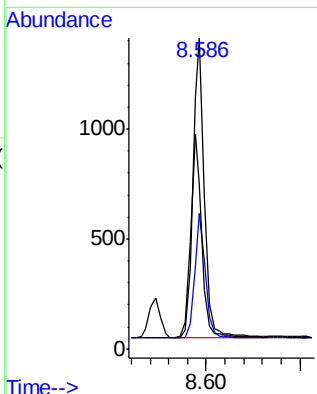
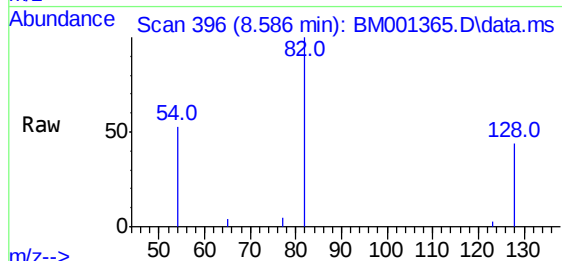




#7
Nitrobenzene-d5
Concen: 1.03 ng
RT: 8.586 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

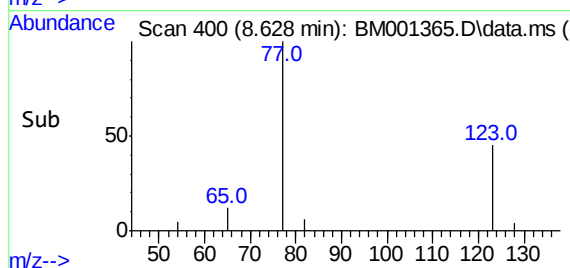
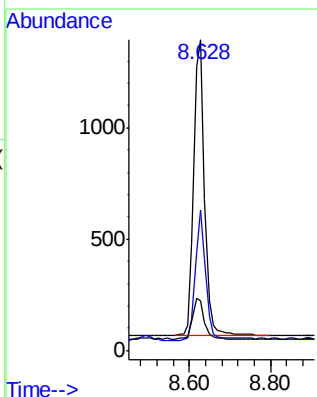
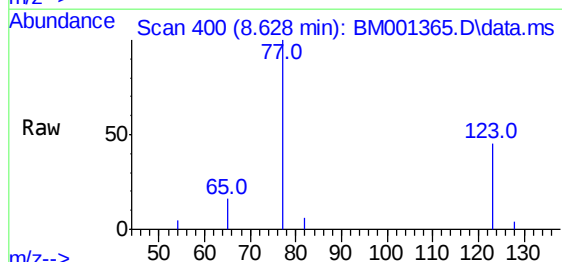
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ClientSampleId :

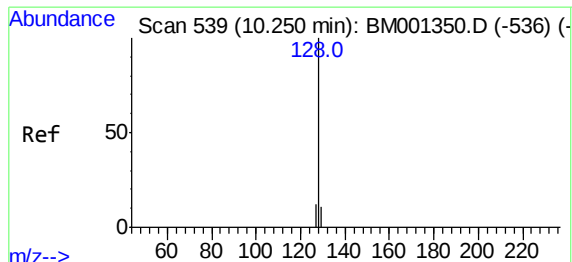
Tgt Ion: 82 Resp: 2354
Ion Ratio Lower Upper
82 100
128 43.8 33.5 50.3
54 53.0 45.1 67.7



#8
Nitrobenzene
Concen: 0.96 ng
RT: 8.628 min Scan# 400
Delta R.T. 0.001 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion: 77 Resp: 2445
Ion Ratio Lower Upper
77 100
123 41.4 33.6 50.4
65 14.2 11.3 16.9

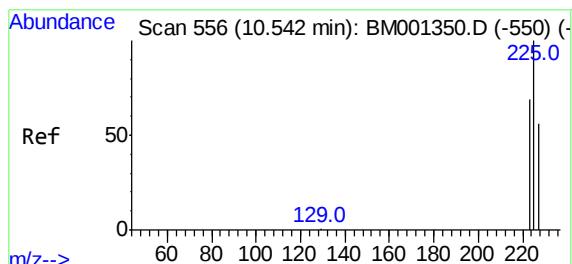
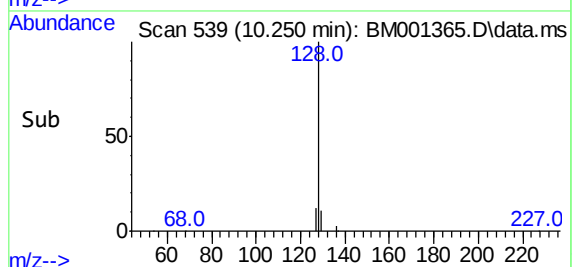
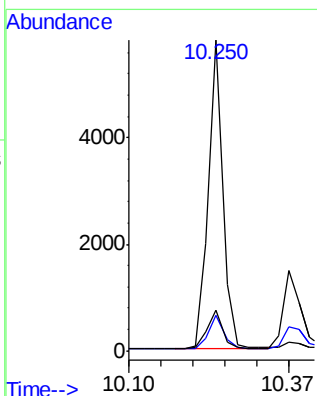
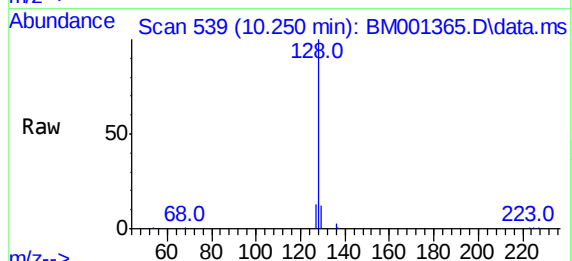




#9
Naphthalene
Concen: 1.04 ng
RT: 10.250 min Scan# 539
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

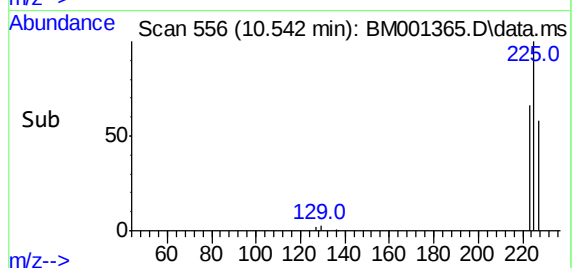
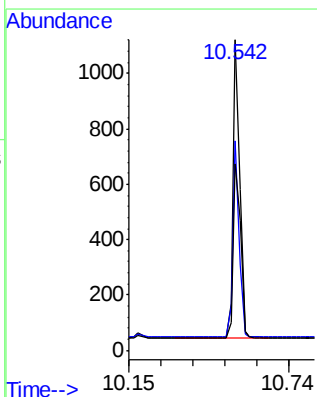
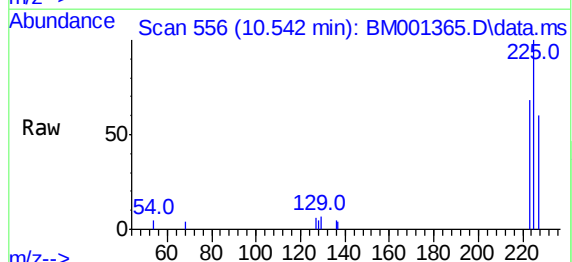
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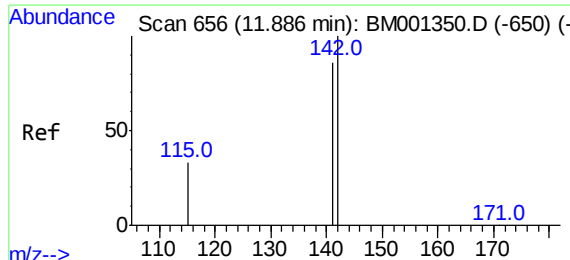
Tgt Ion:128 Resp: 9381
Ion Ratio Lower Upper
128 100
129 11.6 9.1 13.7
127 13.1 10.4 15.6



#10
Hexachlorobutadiene
Concen: 1.05 ng
RT: 10.542 min Scan# 556
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:225 Resp: 1829
Ion Ratio Lower Upper
225 100
223 62.2 50.3 75.5
227 63.5 50.6 75.8

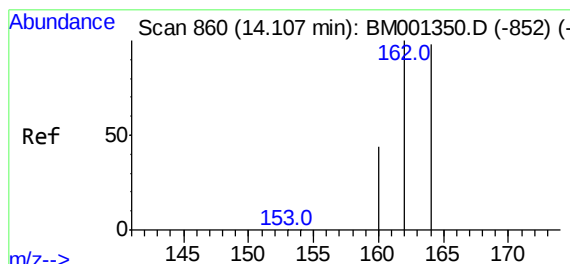
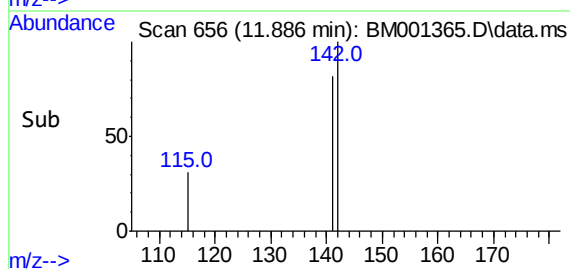
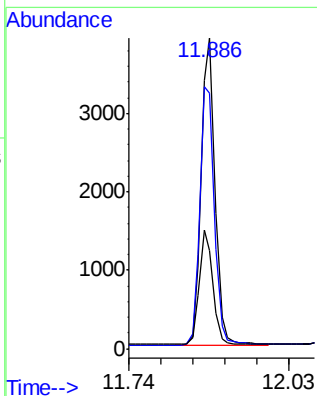
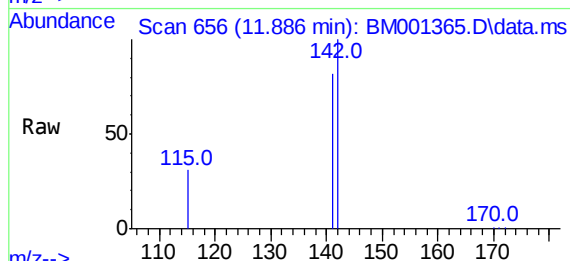




#11
2-Methylnaphthalene
Concen: 1.04 ng
RT: 11.886 min Scan# 656
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

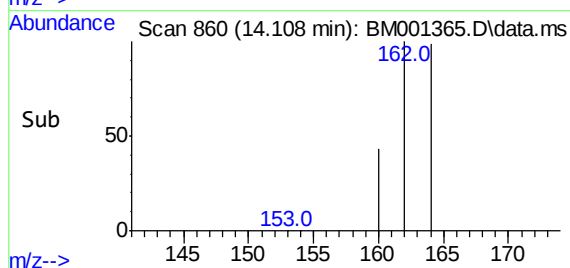
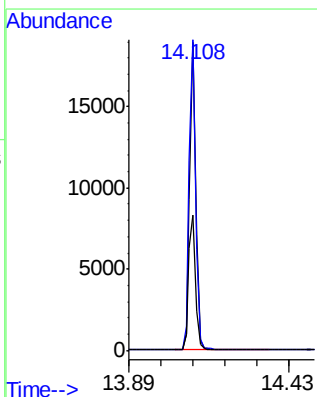
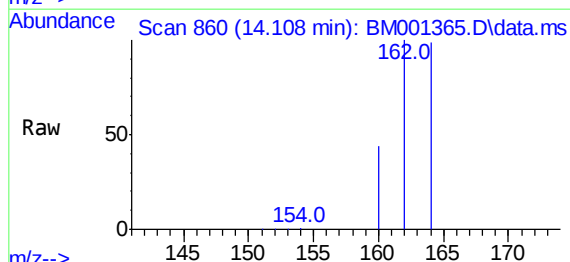
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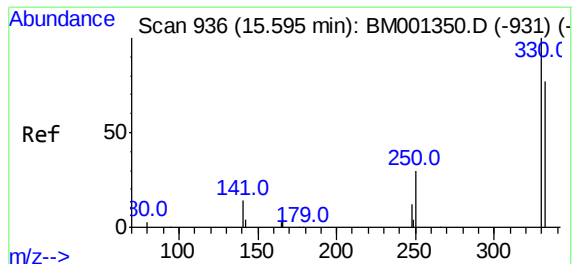
Tgt Ion:142 Resp: 6667
Ion Ratio Lower Upper
142 100
141 82.1 69.0 103.4
115 31.4 27.1 40.7



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.108 min Scan# 860
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:164 Resp: 26984
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 43.9 35.8 53.8

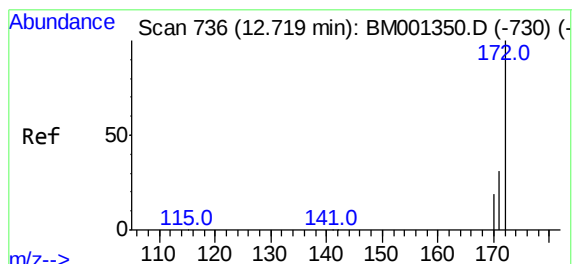
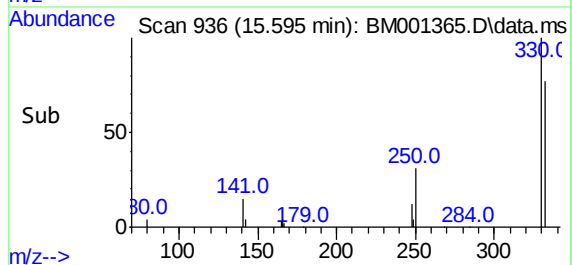
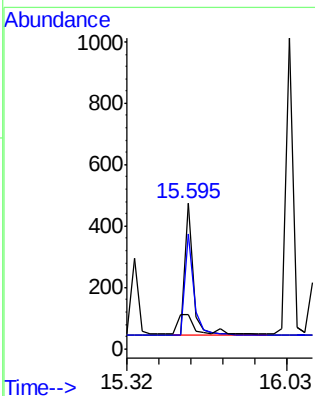
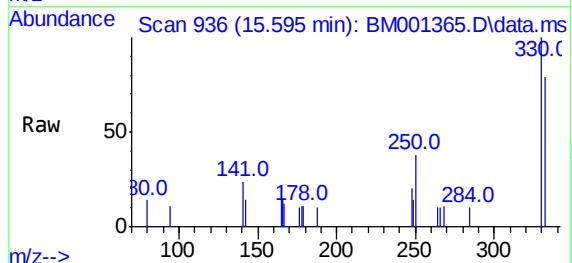




#13
2,4,6-Tribromophenol
Concen: 1.04 ng
RT: 15.595 min Scan# 936
Delta R.T. 0.001 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

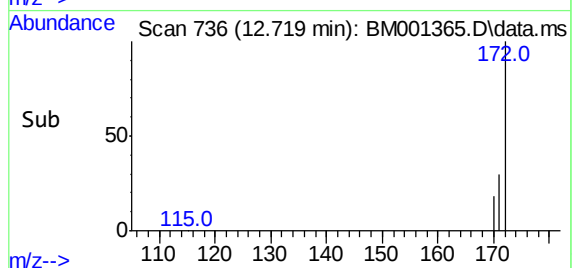
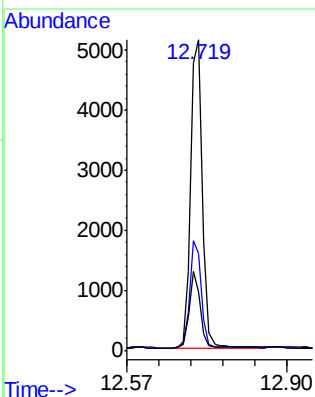
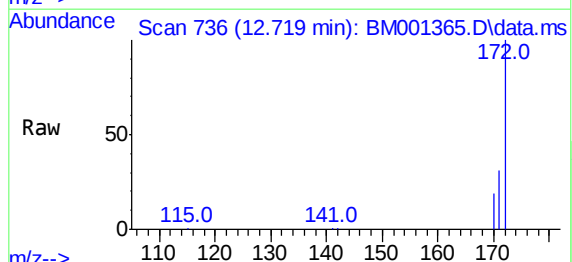
Instrument :
BNA_M
ClientSampleId :

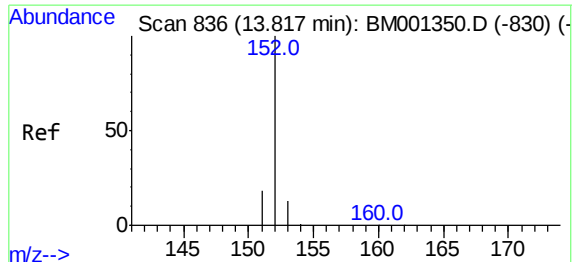
Tgt Ion:	330	Resp:	1066
Ion	Ratio	Lower	Upper
330	100		
332	83.0	65.4	98.2
141	0.0	20.2	30.4



#14
2-Fluorobiphenyl
Concen: 1.05 ng
RT: 12.719 min Scan# 736
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:	172	Resp:	8413
Ion	Ratio	Lower	Upper
172	100		
171	31.3	25.4	38.2
170	18.8	15.7	23.5

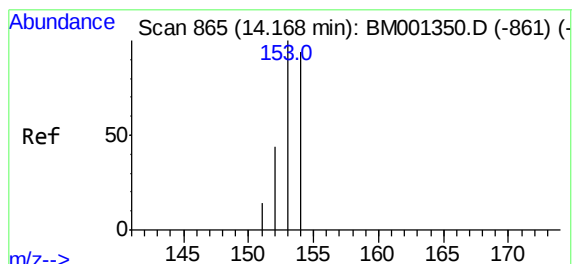
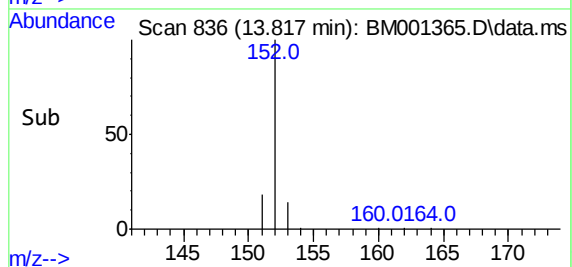
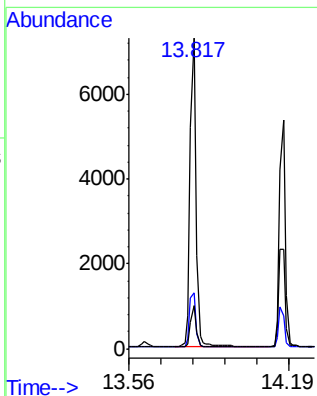
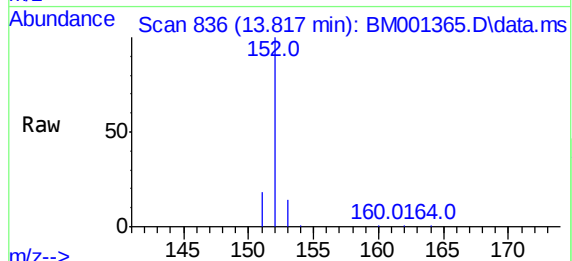




#15
Acenaphthylene
Concen: 1.04 ng
RT: 13.817 min Scan# 836
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

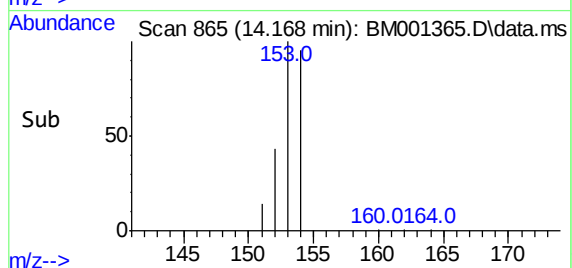
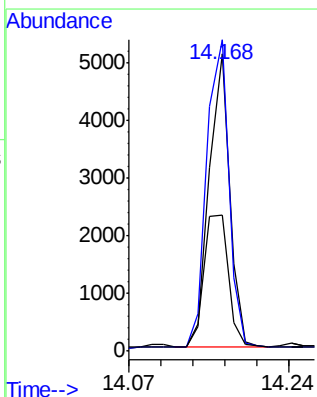
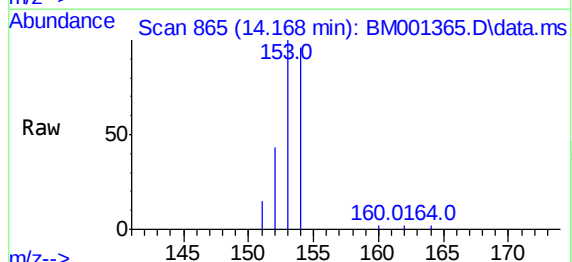
Instrument :
BNA_M
ClientSampleId :

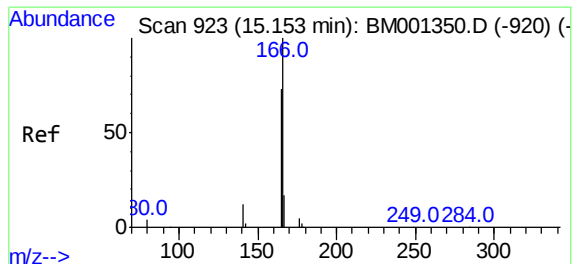
Tgt Ion:152 Resp: 11806
Ion Ratio Lower Upper
152 100
151 19.1 15.3 22.9
153 12.7 10.3 15.5



#16
Acenaphthene
Concen: 1.02 ng
RT: 14.168 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:154 Resp: 7292
Ion Ratio Lower Upper
154 100
153 115.2 90.6 135.8
152 55.1 43.6 65.4

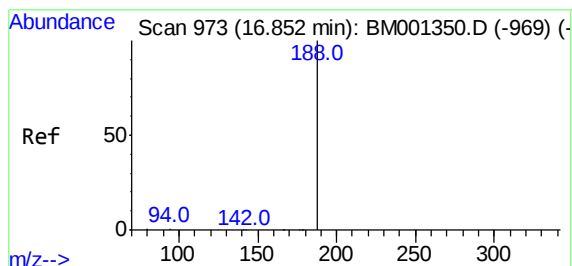
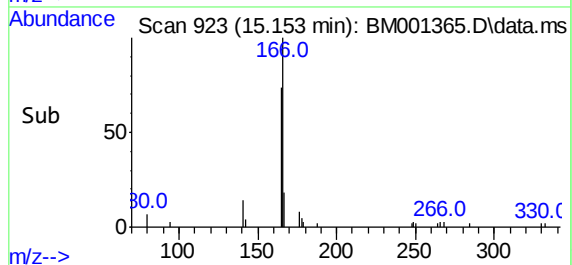
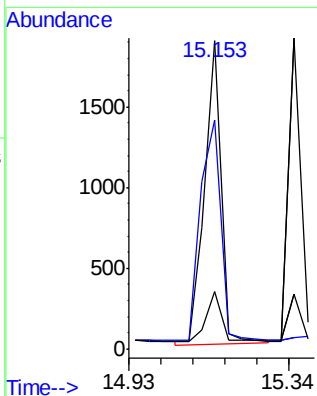
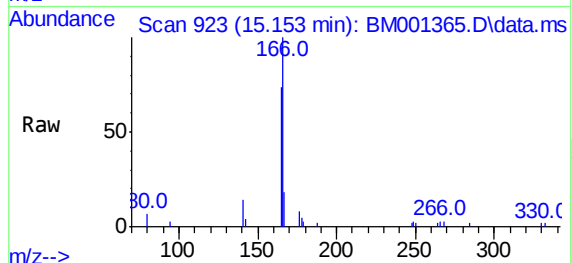




#17
Fluorene
Concen: 0.98 ng
RT: 15.153 min Scan# 923
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

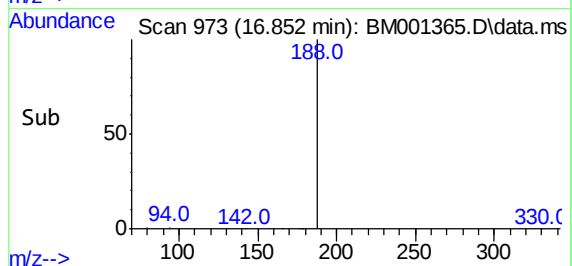
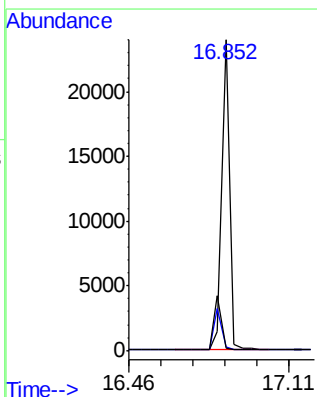
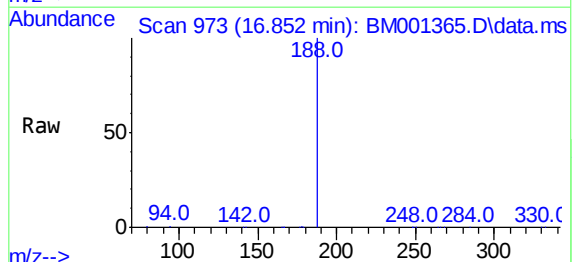
Instrument :
BNA_M
ClientSampleId :

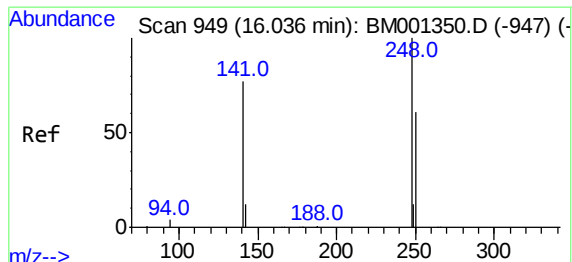
Tgt Ion:166 Resp: 5594
Ion Ratio Lower Upper
166 100
165 88.5 72.5 108.7
167 18.5 16.0 24.0



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.852 min Scan# 973
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:188 Resp: 53072
Ion Ratio Lower Upper
188 100
94 0.9 0.6 1.0
80 0.9 0.6 0.8#

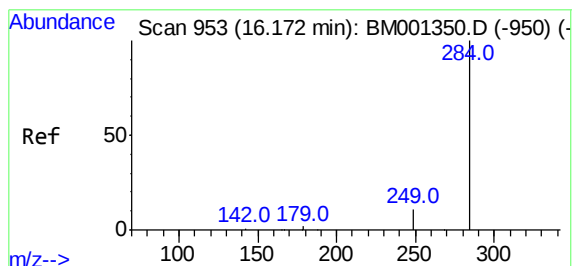
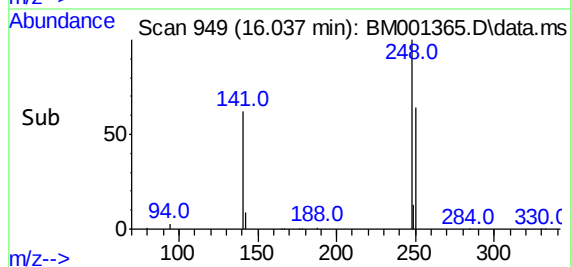
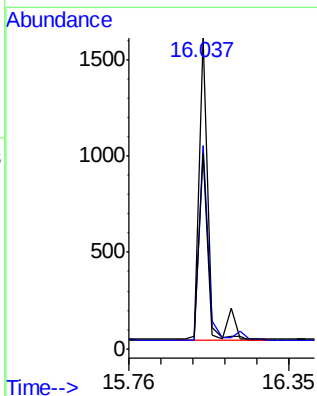
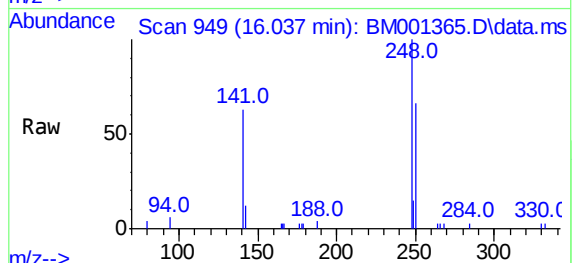




#19
4-Bromophenyl-phenylether
Concen: 1.18 ng
RT: 16.037 min Scan# 949
Delta R.T. 0.001 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

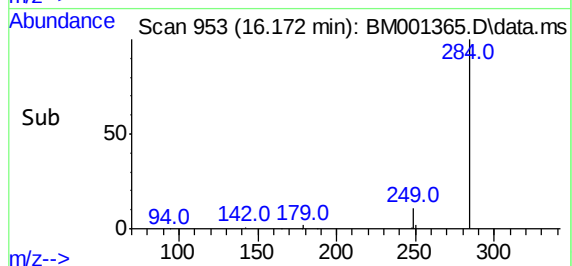
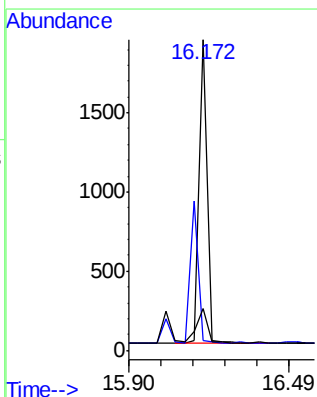
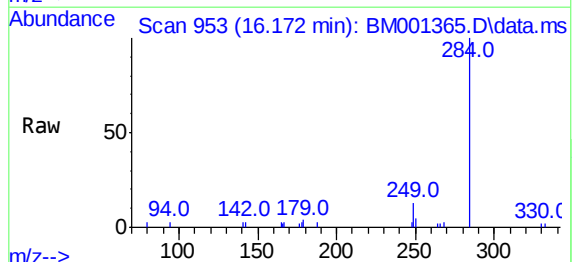
Instrument :
BNA_M
ClientSampleId :

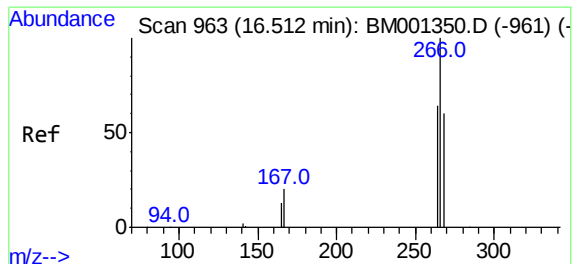
Tgt Ion:248 Resp: 3420
Ion Ratio Lower Upper
248 100
250 67.3 51.5 77.3
141 59.9 59.0 88.6



#20
Hexachlorobenzene
Concen: 1.02 ng
RT: 16.172 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:284 Resp: 3991
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 14.9 11.1 16.7

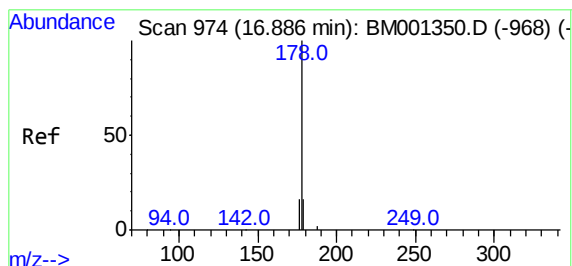
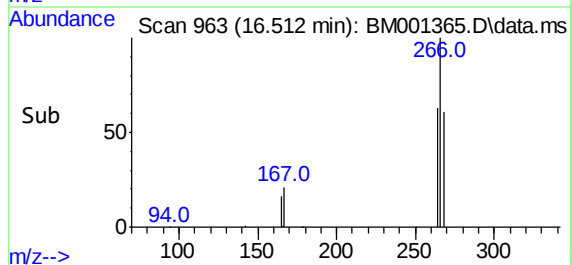
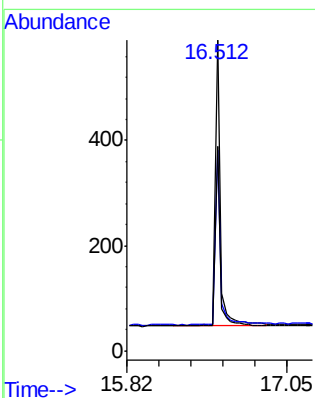
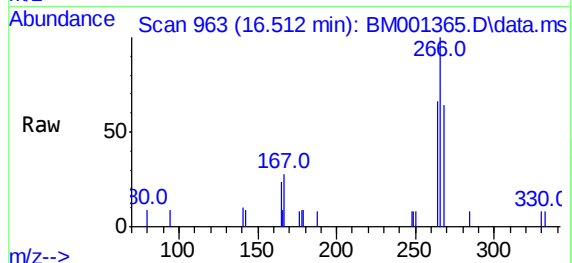




#21
Pentachlorophenol
Concen: 1.00 ng
RT: 16.512 min Scan# 963
Delta R.T. 0.001 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

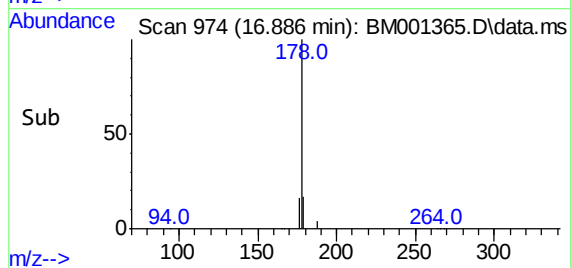
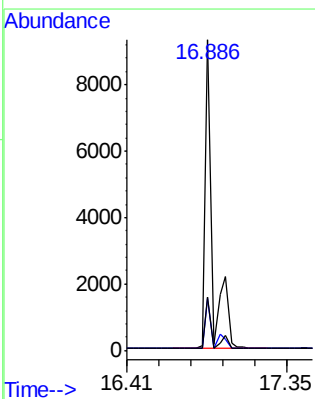
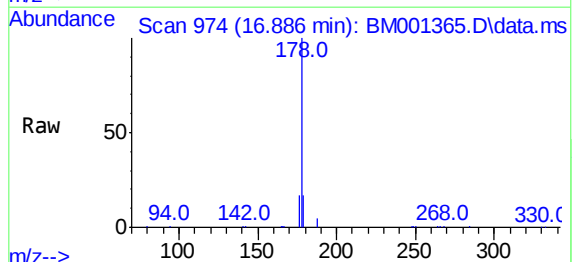
Instrument :
BNA_M
ClientSampleId :

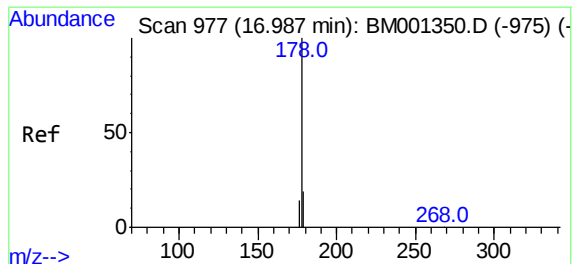
Tgt Ion:266 Resp: 1412
Ion Ratio Lower Upper
266 100
268 64.5 51.2 76.8
264 65.8 53.7 80.5



#22
Phenanthrene
Concen: 1.49 ng
RT: 16.886 min Scan# 974
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:178 Resp: 27891
Ion Ratio Lower Upper
178 100
176 17.2 16.6 25.0
179 13.1 12.8 19.2

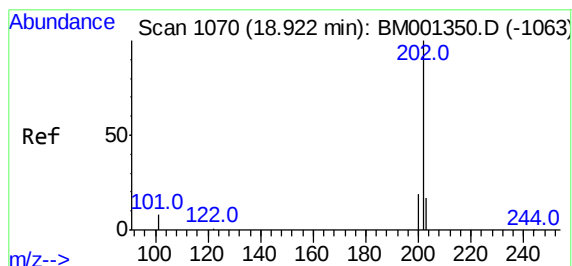
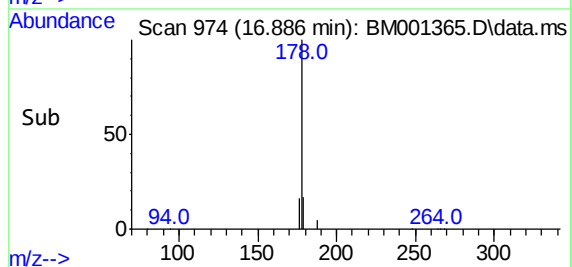
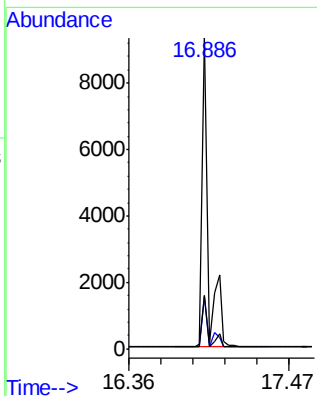
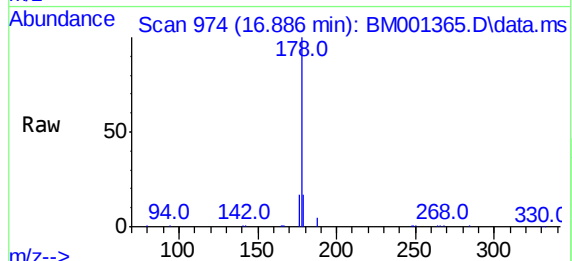




#23
 Anthracene
 Concen: 3.87 ng
 RT: 16.886 min Scan# 974
 Delta R.T. -0.102 min
 Lab File: BM001365.D
 Acq: 21 May 2015 18:09

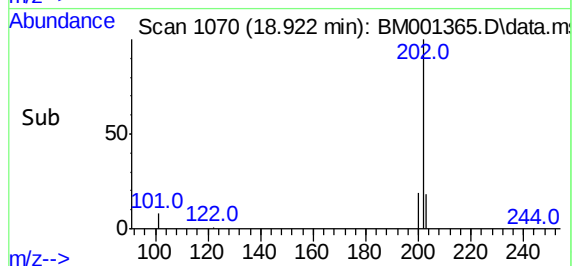
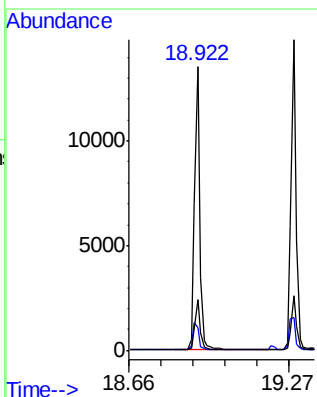
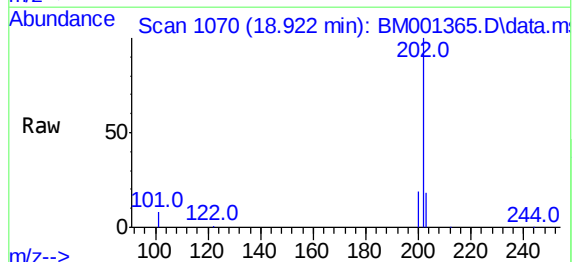
Instrument :
 BNA_M
 ClientSampleId :

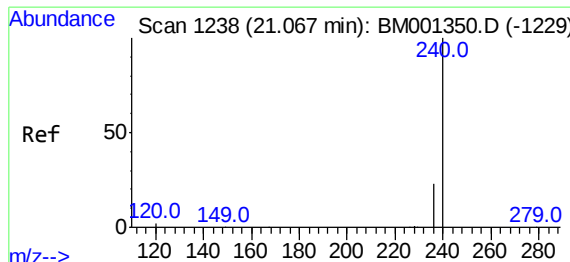
Tgt Ion:178 Resp: 27958
 Ion Ratio Lower Upper
 178 100
 176 17.2 46.1 69.1#
 179 13.1 35.4 53.0#



#24
 Fluoranthene
 Concen: 1.16 ng
 RT: 18.922 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: BM001365.D
 Acq: 21 May 2015 18:09

Tgt Ion:202 Resp: 18471
 Ion Ratio Lower Upper
 202 100
 101 10.9 8.7 13.1
 203 17.3 13.8 20.6

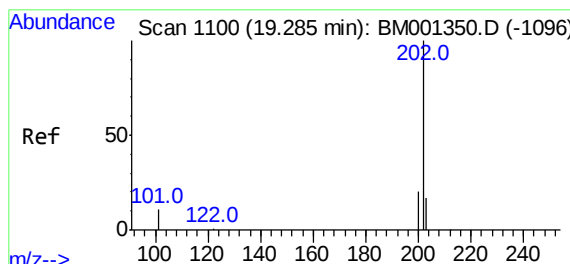
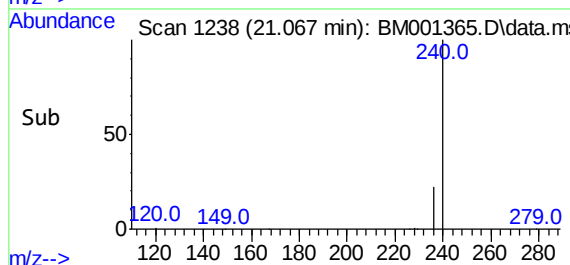
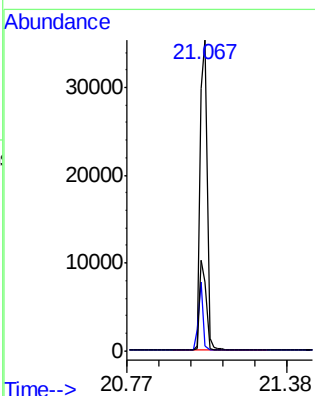
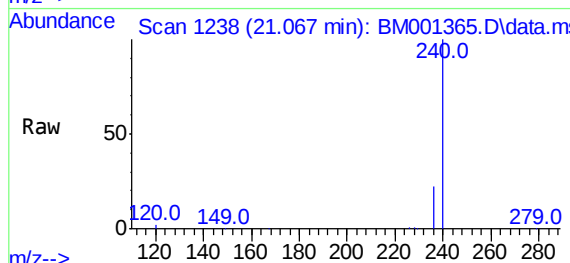




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.067 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

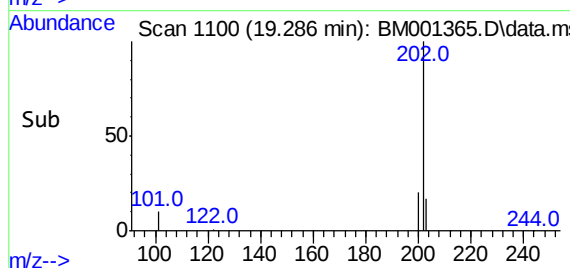
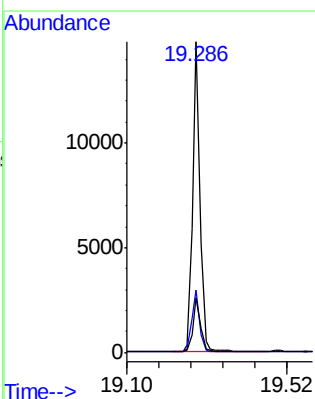
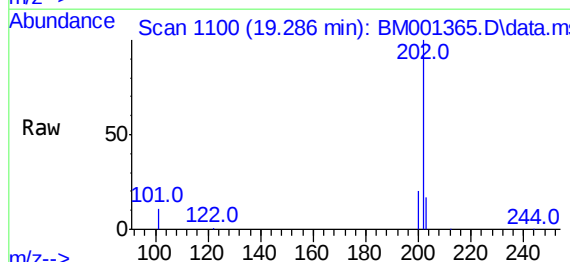
Instrument :
BNA_M
ClientSampleId :

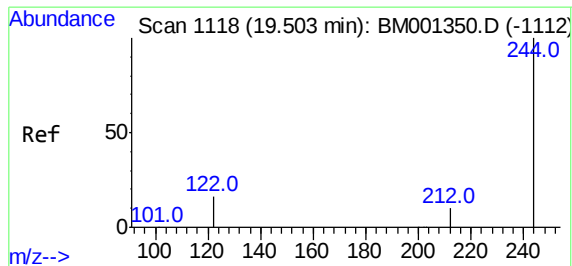
Tgt Ion:240 Resp: 63395
Ion Ratio Lower Upper
240 100
120 1.5 1.6 2.4#
236 22.3 18.5 27.7



#26
Pyrene
Concen: 1.01 ng
RT: 19.286 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:202 Resp: 19596
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.4 13.9 20.9

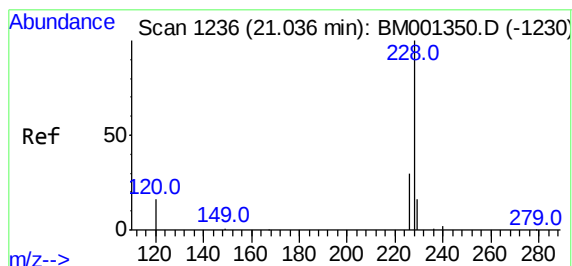
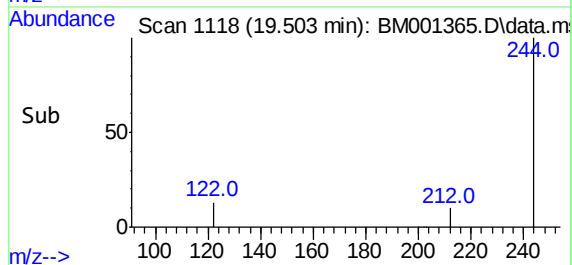
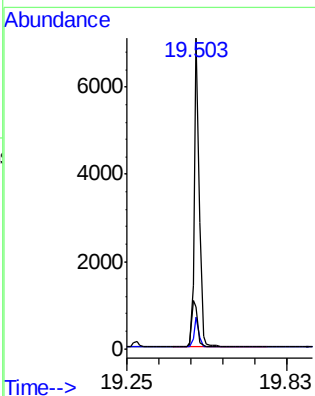
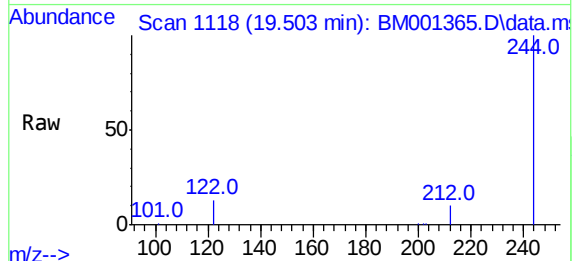




#27
Terphenyl-d14
Concen: 1.03 ng
RT: 19.503 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

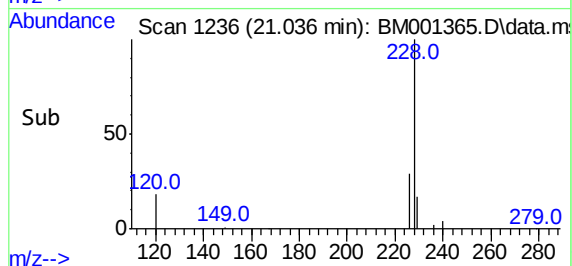
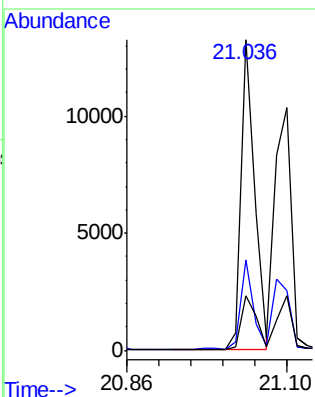
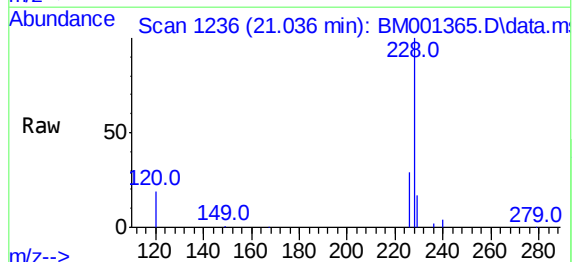
Instrument :
BNA_M
ClientSampleId :

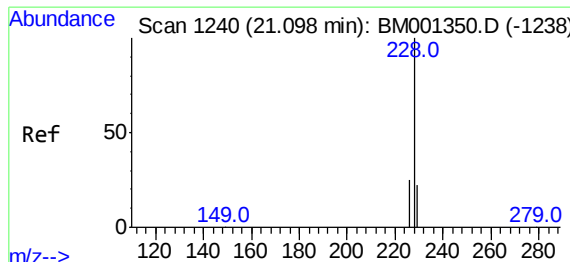
Tgt Ion:244 Resp: 8622
Ion Ratio Lower Upper
244 100
212 10.2 8.5 12.7
122 13.5 13.4 20.2



#28
Benzo(a)anthracene
Concen: 1.03 ng
RT: 21.036 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:228 Resp: 18740
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 17.5 13.3 19.9





#29

Chrysene

Concen: 1.04 ng

RT: 21.098 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BM001365.D

Acq: 21 May 2015 18:09

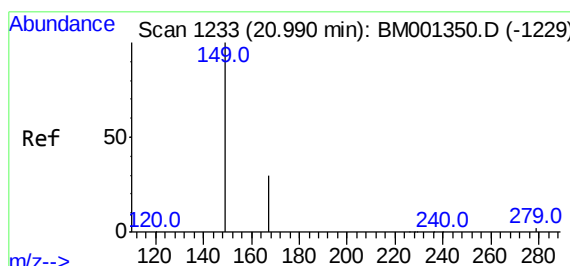
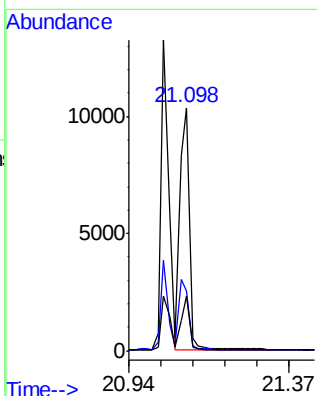
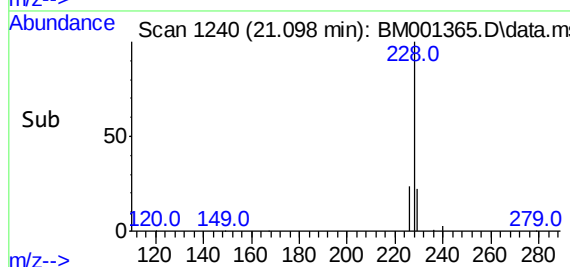
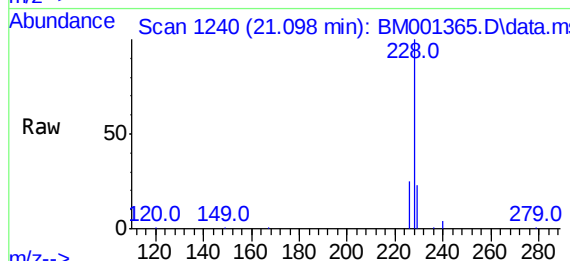
Tgt Ion:228 Resp: 18132

Ion Ratio Lower Upper

228 100

226 24.6 20.0 30.0

229 22.5 17.6 26.4



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.92 ng

RT: 20.990 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BM001365.D

Acq: 21 May 2015 18:09

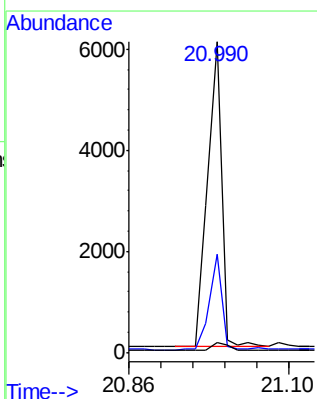
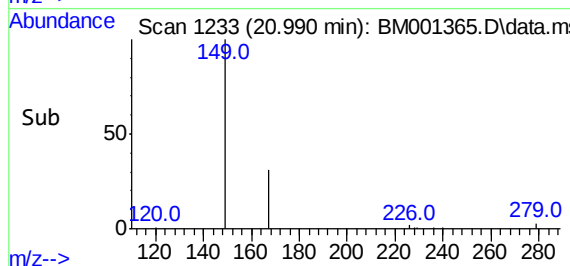
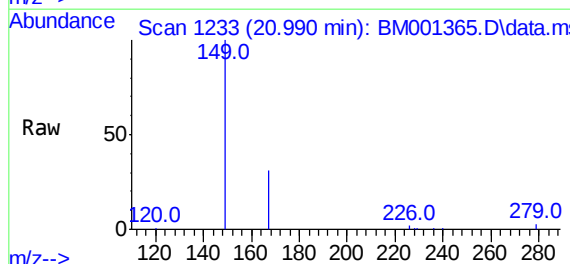
Tgt Ion:149 Resp: 8476

Ion Ratio Lower Upper

149 100

167 27.0 21.6 32.4

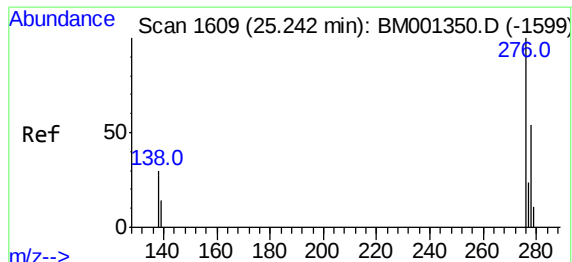
279 2.5 1.9 2.9



Instrument :

BNA_M

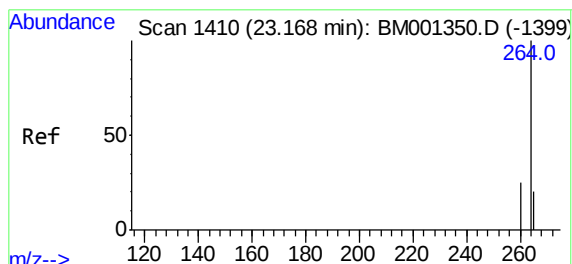
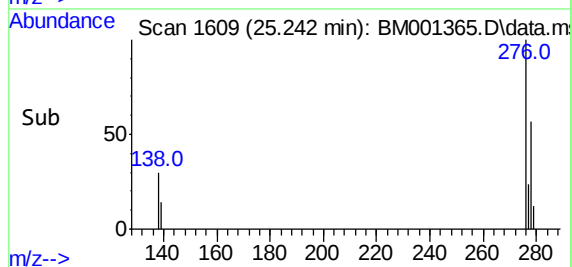
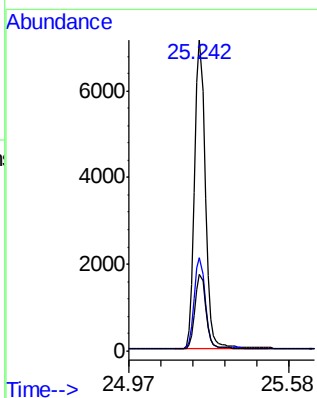
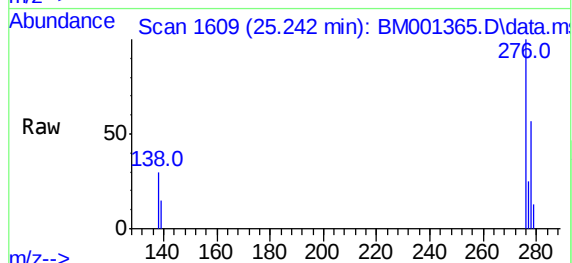
ClientSampleId :



#31
Indeno(1,2,3-cd)pyrene
Concen: 1.07 ng
RT: 25.242 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

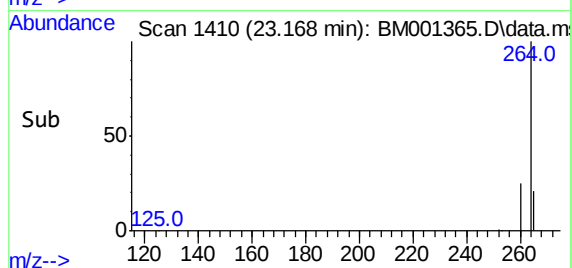
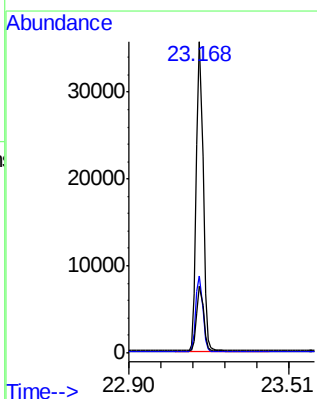
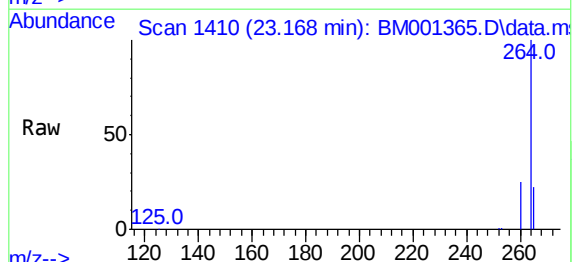
Instrument :
BNA_M
ClientSampleId :

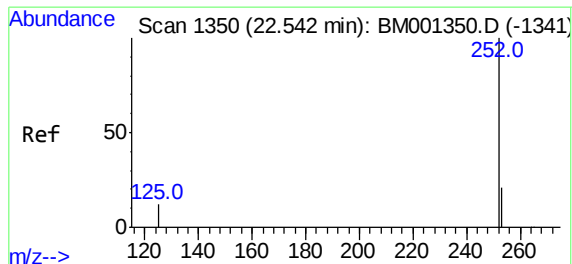
Tgt Ion:276 Resp: 20078
Ion Ratio Lower Upper
276 100
138 30.3 24.2 36.4
277 24.5 19.7 29.5



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.168 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:264 Resp: 62575
Ion Ratio Lower Upper
264 100
260 24.8 20.4 30.6
265 21.5 16.6 24.8

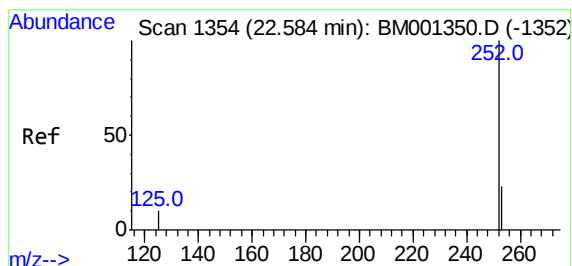
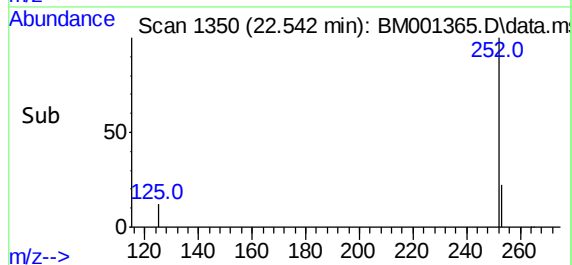
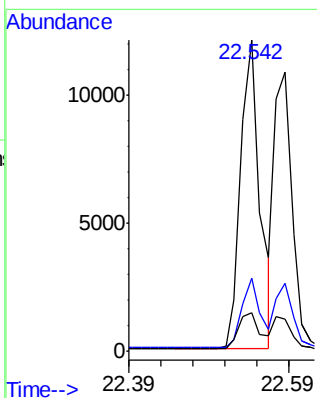
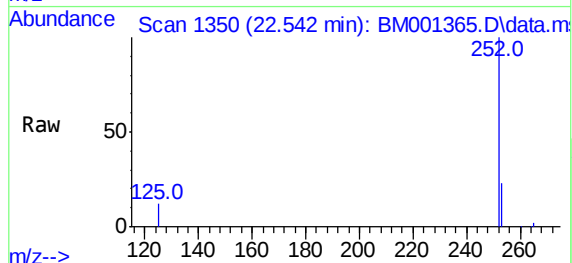




#33
Benzo(b)fluoranthene
Concen: 1.04 ng
RT: 22.542 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

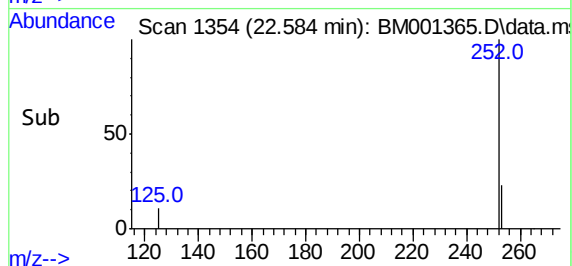
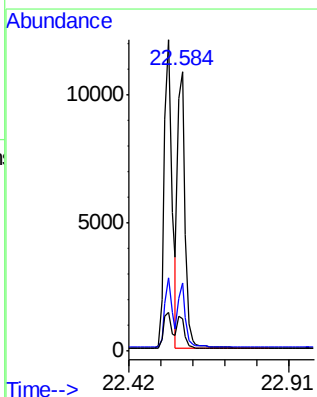
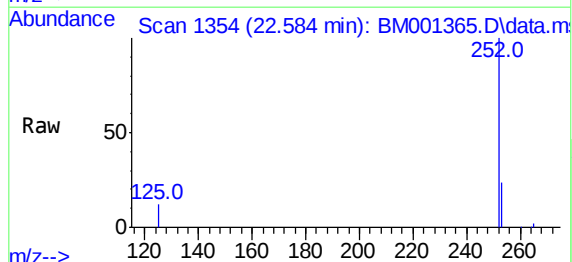
Instrument :
BNA_M
ClientSampleId :

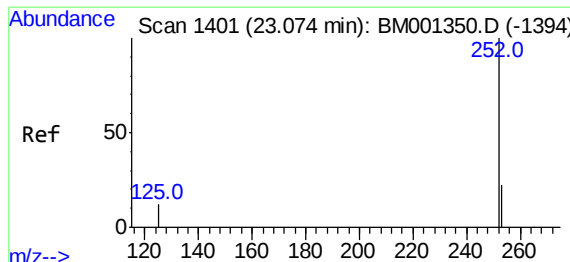
Tgt Ion:	252	Resp:	19987
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	12.1	9.8	14.8



#34
Benzo(k)fluoranthene
Concen: 1.00 ng
RT: 22.584 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:	252	Resp:	16977
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.6	28.0
125	11.6	9.3	13.9

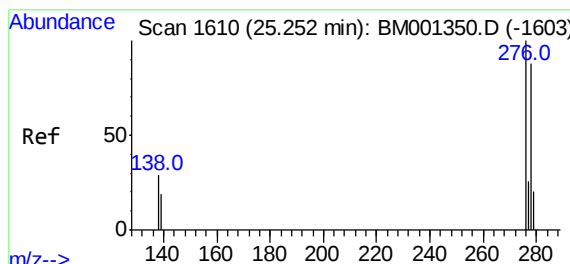
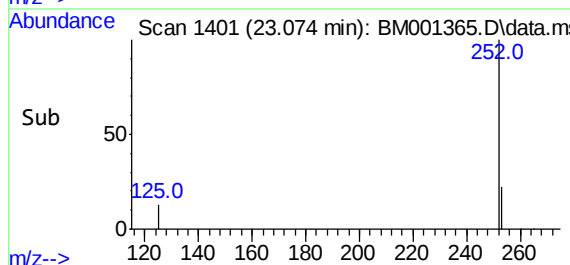
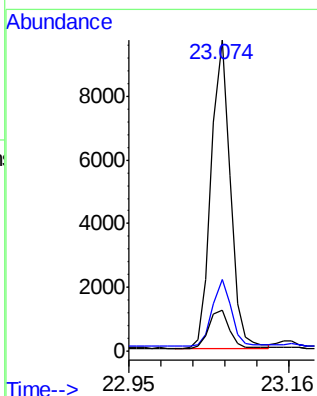
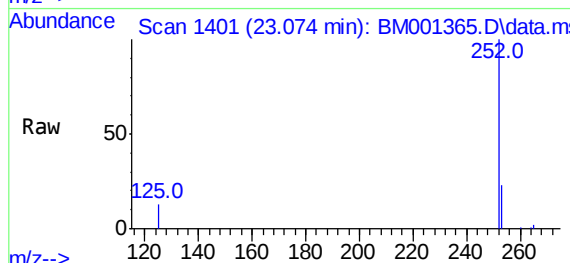




#35
Benzo(a)pyrene
Concen: 1.02 ng
RT: 23.074 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

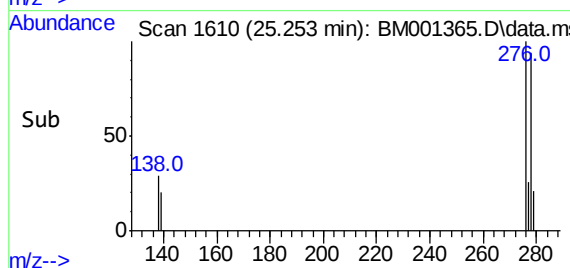
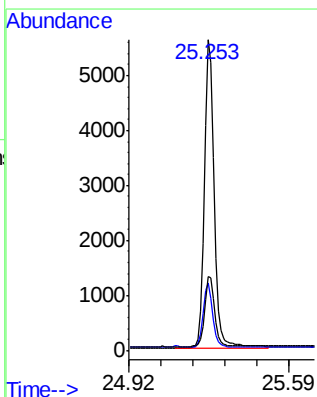
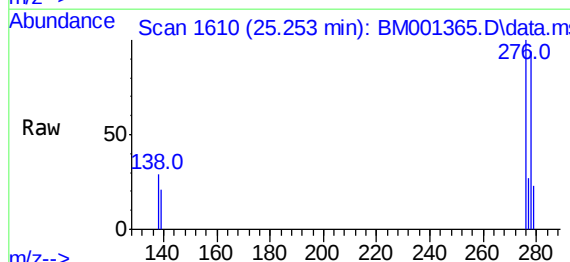
Instrument :
BNA_M
ClientSampleId :

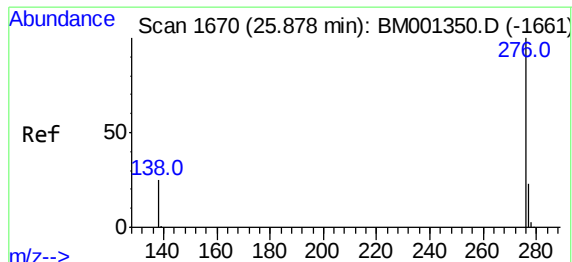
Tgt Ion:	252	Resp:	16762
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	13.3	10.6	15.8



#36
Dibenzo(a,h)anthracene
Concen: 1.03 ng
RT: 25.253 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM001365.D
Acq: 21 May 2015 18:09

Tgt Ion:	278	Resp:	15470
Ion	Ratio	Lower	Upper
278	100		
139	21.8	17.5	26.3
279	23.9	18.7	28.1





#37

Benzo(g,h,i)perylene

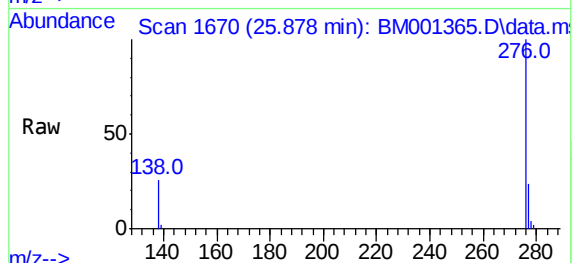
Concen: 1.02 ng

RT: 25.878 min Scan# 1670

Delta R.T. 0.000 min

Lab File: BM001365.D

Acq: 21 May 2015 18:09



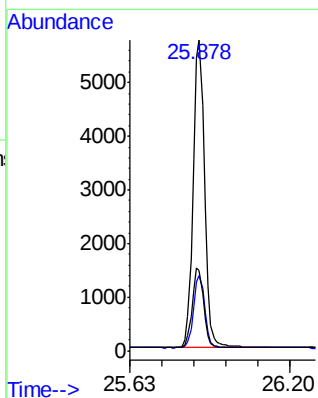
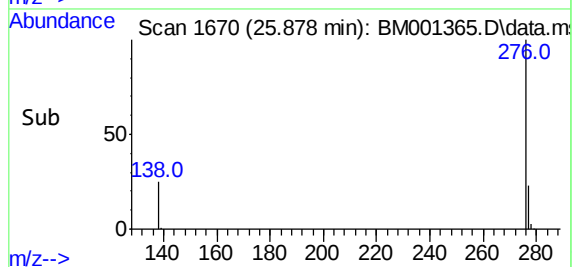
Tgt Ion: 276 Resp: 16559

Ion Ratio Lower Upper

276 100

277 24.1 19.2 28.8

138 25.7 20.2 30.4



Instrument :

BNA_M

ClientSampleId :