

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052015\
 Data File : BM001369.D
 Acq On : 21 May 2015 21:08
 Operator : TP/IZ
 Sample : G2255-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MS

Quant Time: May 22 05:29:45 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)

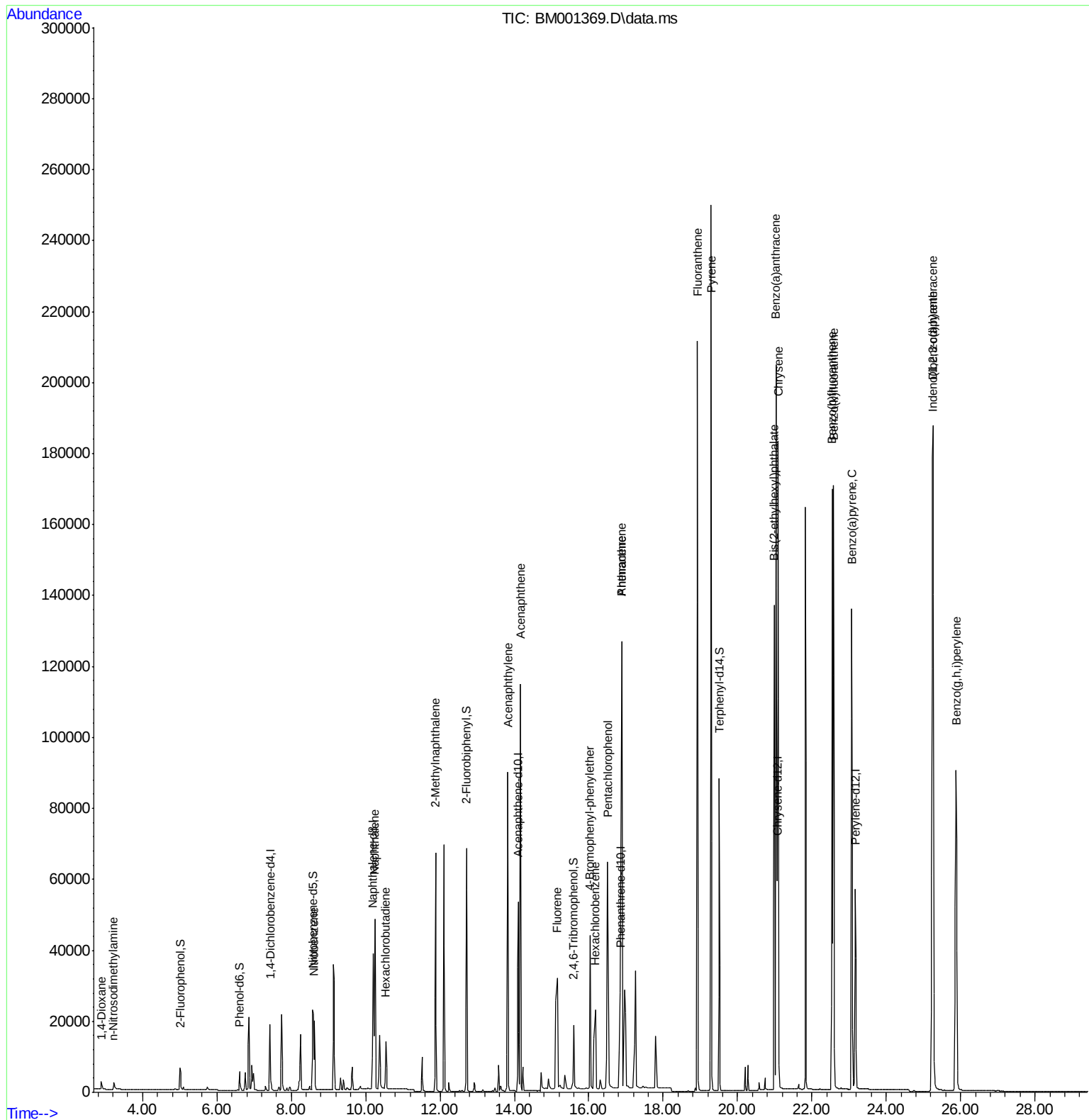
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.432	152	11571	5.00	ng	0.00
6) Naphthalene-d8	10.199	136	49739	5.00	ng	0.00
12) Acenaphthene-d10	14.107	164	31241	5.00	ng	0.00
18) Phenanthrene-d10	16.852	188	55608	5.00	ng	0.00
25) Chrysene-d12	21.067	240	70828	5.00	ng	0.00
32) Perylene-d12	23.168	264	66264	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.021	112	5705	2.54	ng	0.00
5) Phenol-d6	6.613	99	5251	1.88	ng	0.00
7) Nitrobenzene-d5	8.586	82	19627	7.32	ng	0.00
13) 2,4,6-Tribromophenol	15.595	330	16592	12.75	ng	0.00
14) 2-Fluorobiphenyl	12.709	172	66619	7.15	ng	-0.01
27) Terphenyl-d14	19.503	244	86298	9.26	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.903	88	1984	2.06	ng	94
3) n-Nitrosodimethylamine	3.212	42	2643	2.02	ng	# 99
8) Nitrobenzene	8.617	77	22047	6.59	ng	98
9) Naphthalene	10.250	128	63145	5.95	ng	99
10) Hexachlorobutadiene	10.542	225	9495	4.62	ng	100
11) 2-Methylnaphthalene	11.876	142	49527	6.57	ng	91
15) Acenaphthylene	13.817	152	105622	8.04	ng	100
16) Acenaphthene	14.168	154	62446	7.56	ng	99
17) Fluorene	15.153	166	44362	6.72	ng	# 19
19) 4-Bromophenyl-phenylether	16.036	248	37711	12.61	ng	# 84
20) Hexachlorobenzene	16.172	284	39911	9.72	ng	# 100
21) Pentachlorophenol	16.512	266	57005	23.91	ng	94
22) Phenanthrene	16.886	178	271810	13.90	ng	93
23) Anthracene	16.886	178	272146	35.96	ng	# 49
24) Fluoranthene	18.922	202	201607	12.04	ng	99
26) Pyrene	19.285	202	211370	9.77	ng	99
28) Benzo(a)anthracene	21.036	228	196498	9.70	ng	99
29) Chrysene	21.098	228	187701	9.68	ng	99
30) Bis(2-ethylhexyl)phtha...	20.990	149	138009	10.73	ng	100
31) Indeno(1,2,3-cd)pyrene	25.242	276	193775	9.28	ng	99
33) Benzo(b)fluoranthene	22.542	252	200061	9.80	ng	98
34) Benzo(k)fluoranthene	22.584	252	178156	9.91	ng	98
35) Benzo(a)pyrene	23.074	252	174976	10.07	ng	97
36) Dibenzo(a,h)anthracene	25.253	278	156815	9.82	ng	99
37) Benzo(g,h,i)perylene	25.878	276	162558	9.48	ng	99

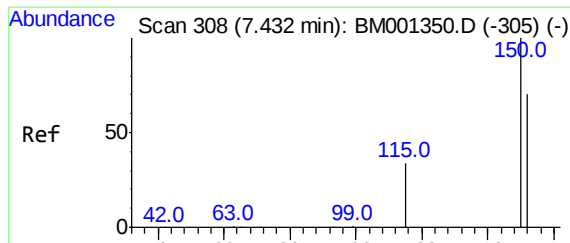
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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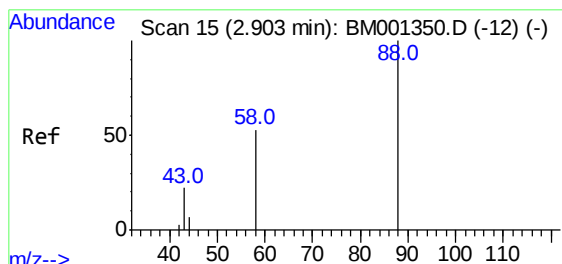
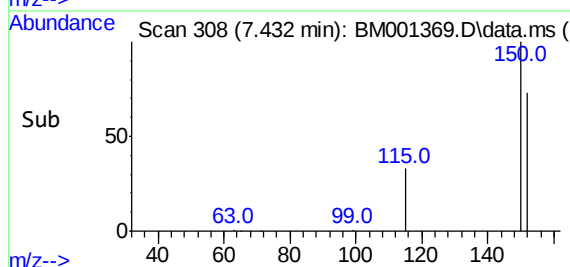
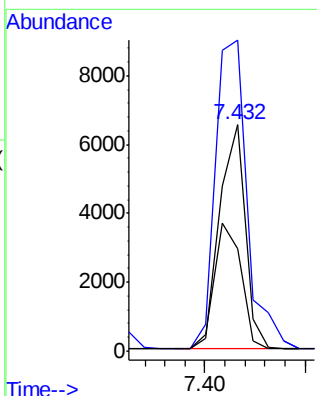
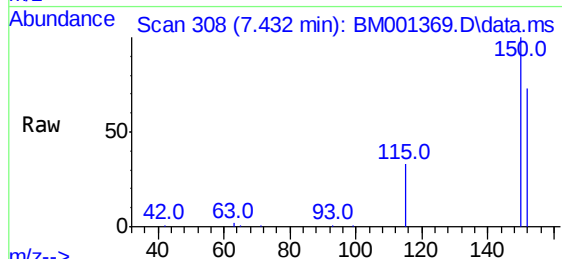




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.432 min Scan# 308
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

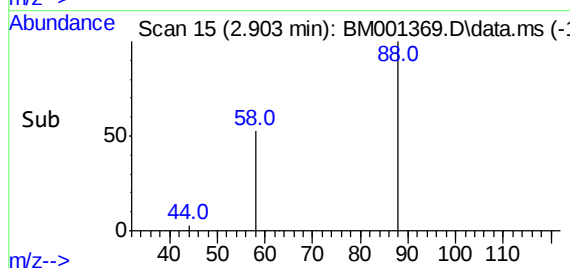
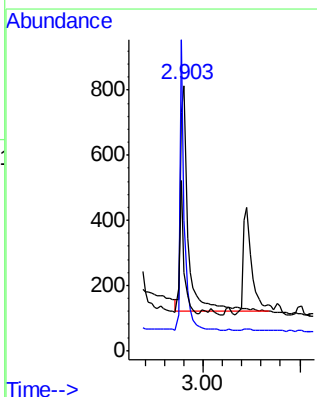
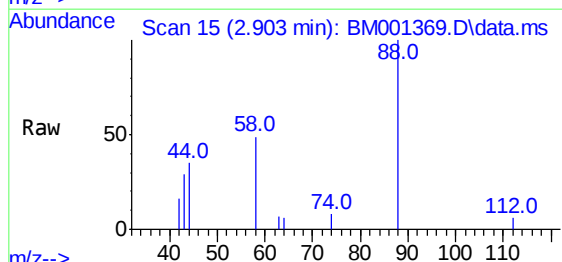
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

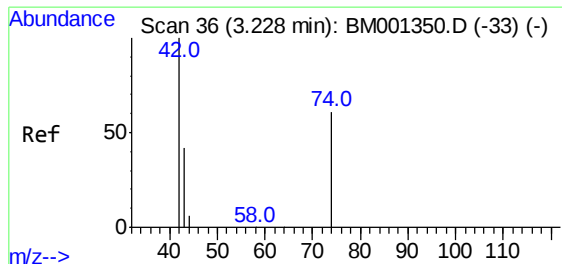
Tgt Ion:152 Resp: 11571
Ion Ratio Lower Upper
152 100
150 137.6 114.1 171.1
115 45.4 39.2 58.8



#2
1,4-Dioxane
Concen: 2.06 ng
RT: 2.903 min Scan# 15
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion: 88 Resp: 1984
Ion Ratio Lower Upper
88 100
58 72.4 53.1 79.7
43 32.9 27.8 41.8

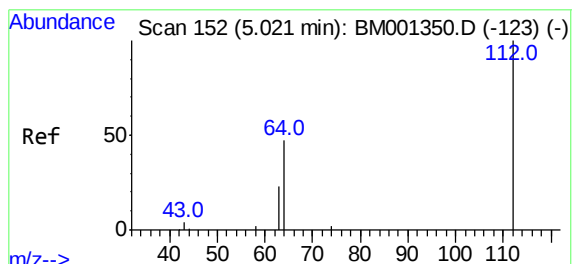
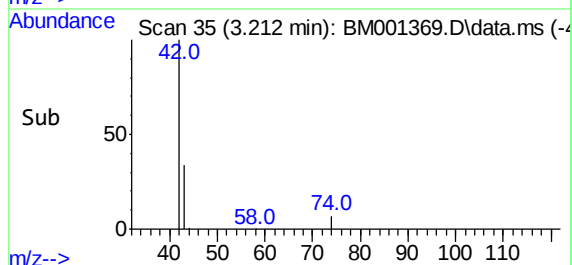
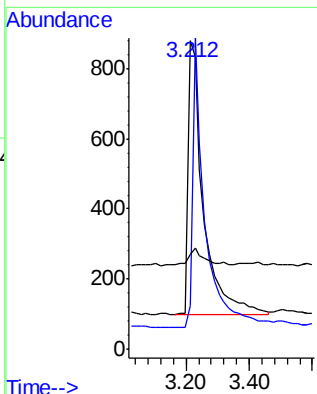
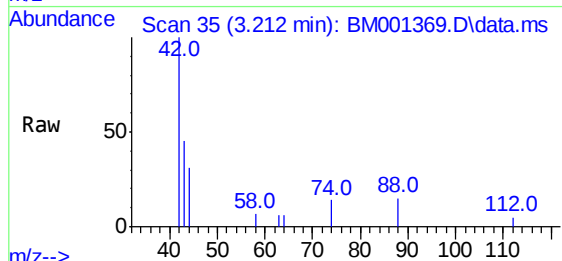




#3
n-Nitrosodimethylamine
Concen: 2.02 ng
RT: 3.212 min Scan# 35
Delta R.T. -0.015 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

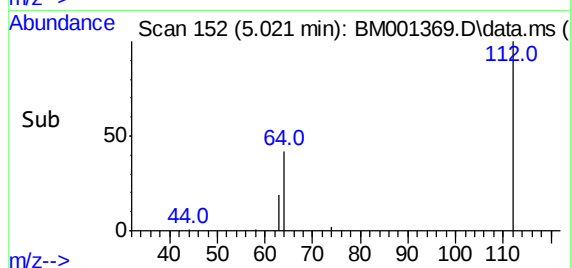
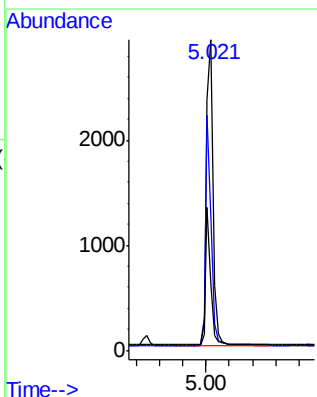
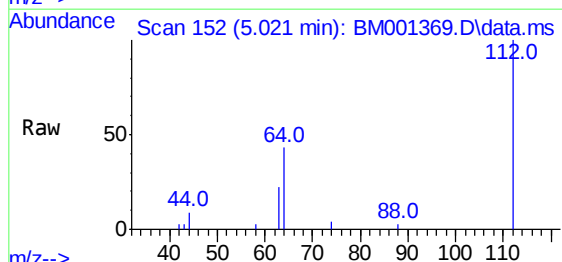
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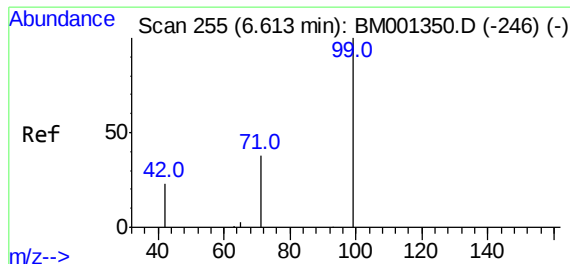
Tgt Ion: 42 Resp: 2643
Ion Ratio Lower Upper
42 100
74 88.1 70.0 105.0
44 6.0 3.6 5.4#



#4
2-Fluorophenol
Concen: 2.54 ng
RT: 5.021 min Scan# 152
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion: 112 Resp: 5705
Ion Ratio Lower Upper
112 100
64 65.4 52.9 79.3
63 38.2 29.6 44.4



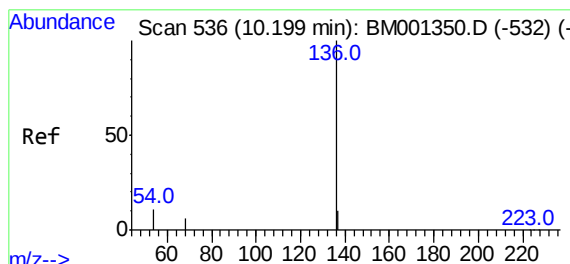
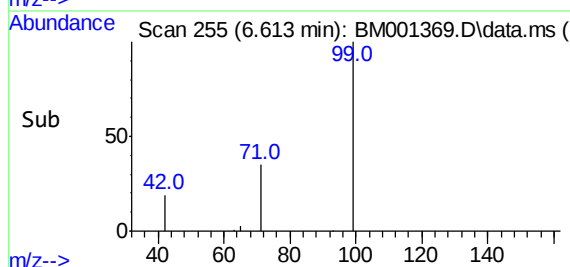
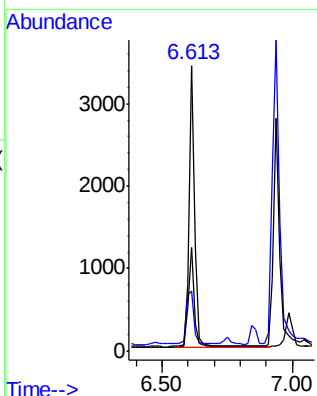
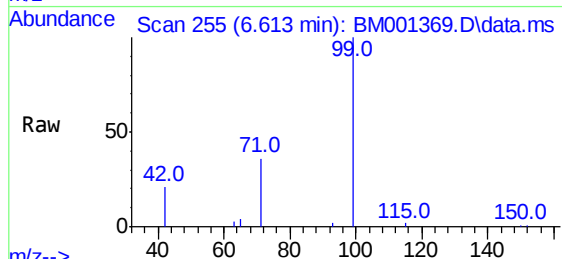


#5
Phenol-d6
Concen: 1.88 ng
RT: 6.613 min Scan# 255
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

Tgt Ion: 99 Resp: 5251

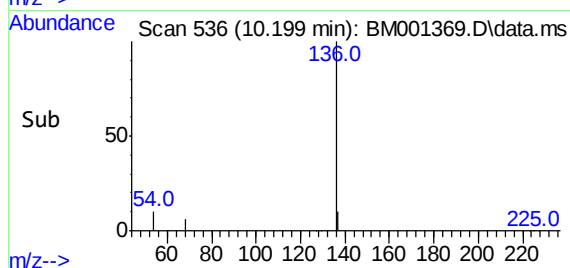
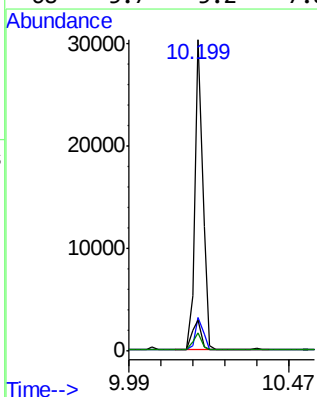
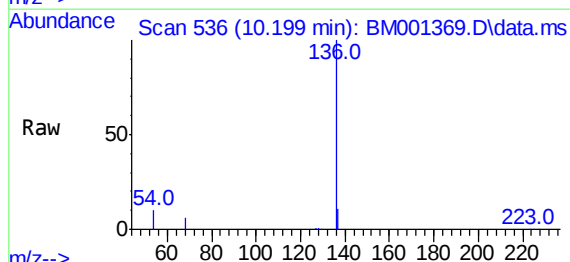
Ion	Ratio	Lower	Upper
99	100		
42	25.1	21.4	32.2
71	36.4	29.0	43.4

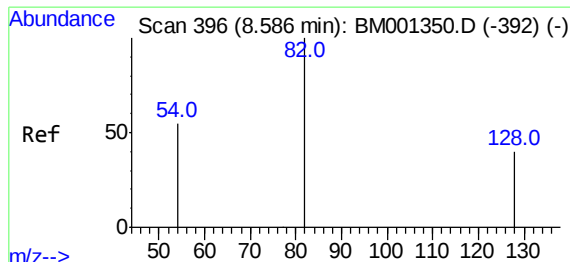


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.199 min Scan# 536
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:136 Resp: 49739

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	9.9	9.4	14.0
68	5.7	5.2	7.8

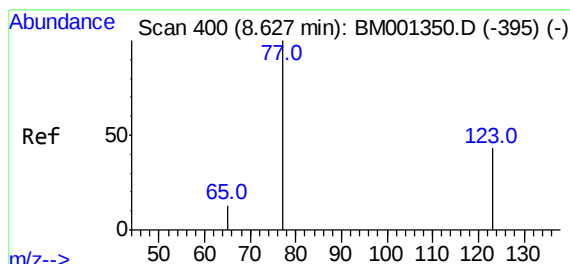
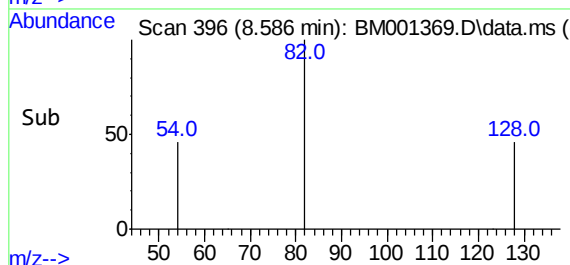
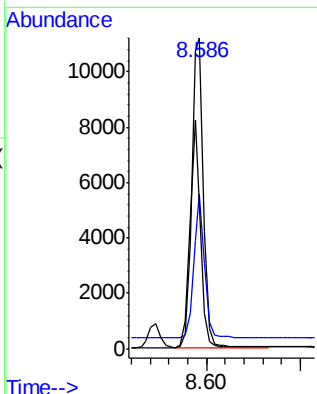
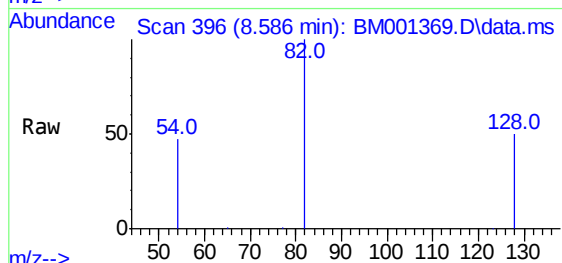




#7
Nitrobenzene-d5
Concen: 7.32 ng
RT: 8.586 min Scan# 396
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

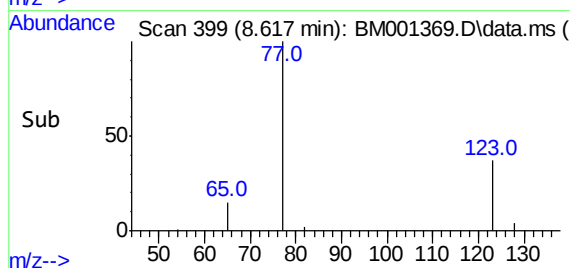
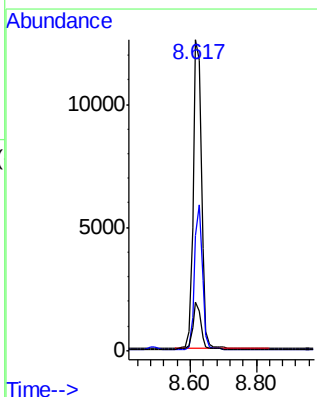
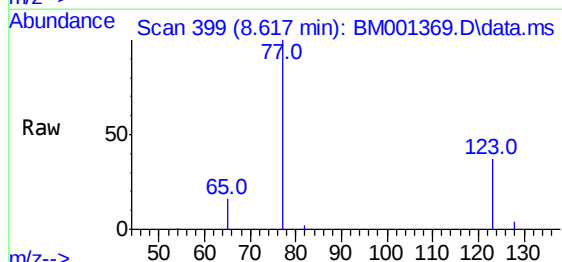
Instrument :
BNA_M
ClientSampleId :
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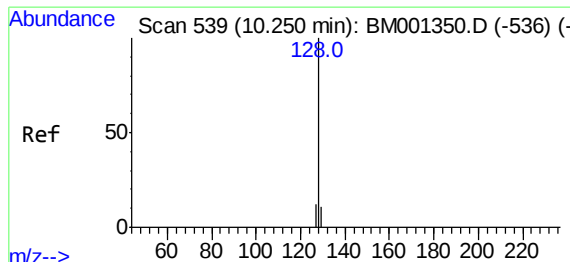
Tgt Ion: 82 Resp: 19627
Ion Ratio Lower Upper
82 100
128 49.9 33.5 50.3
54 46.7 45.1 67.7



#8
Nitrobenzene
Concen: 6.59 ng
RT: 8.617 min Scan# 399
Delta R.T. -0.010 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion: 77 Resp: 22047
Ion Ratio Lower Upper
77 100
123 43.8 33.6 50.4
65 14.6 11.3 16.9

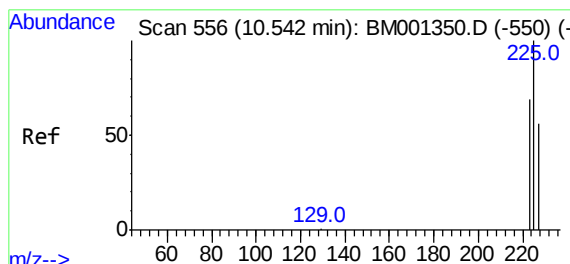
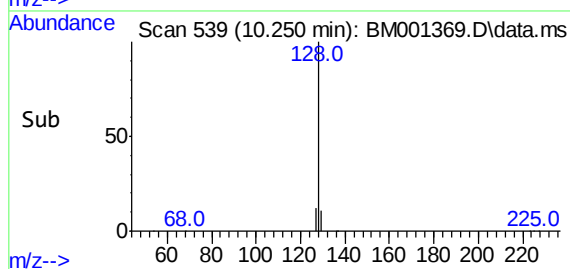
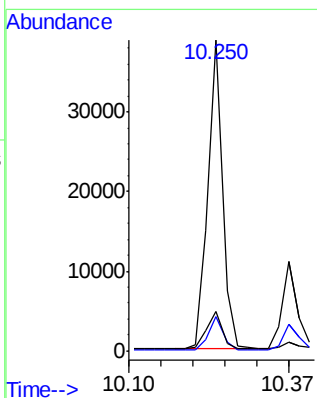
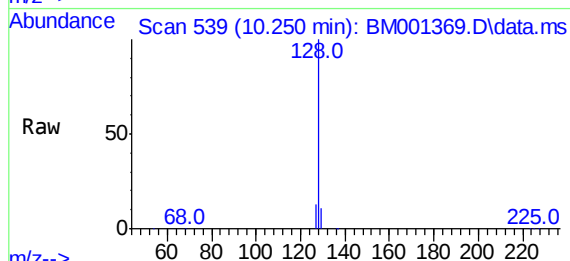




#9
Naphthalene
Concen: 5.95 ng
RT: 10.250 min Scan# 539
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

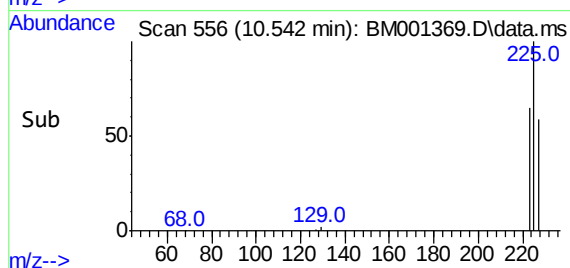
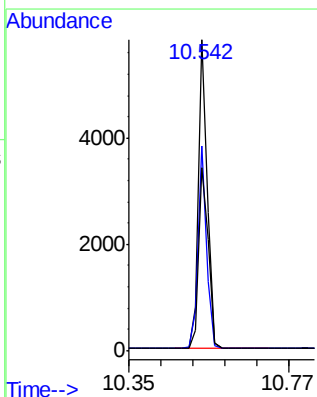
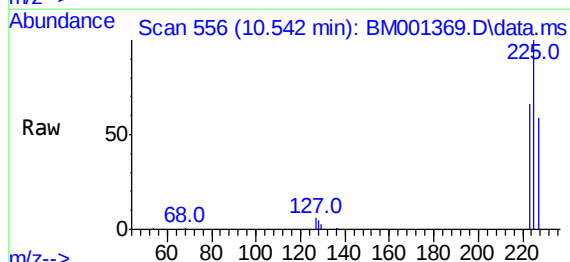
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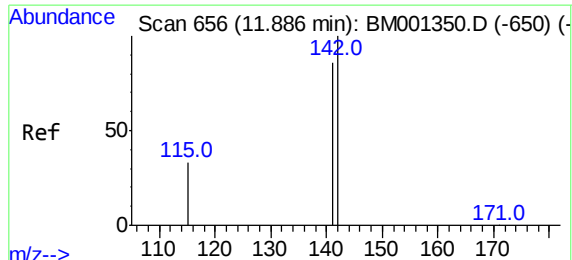
Tgt Ion:128 Resp: 63145
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 12.8 10.4 15.6



#10
Hexachlorobutadiene
Concen: 4.62 ng
RT: 10.542 min Scan# 556
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:225 Resp: 9495
Ion Ratio Lower Upper
225 100
223 62.9 50.3 75.5
227 63.6 50.6 75.8

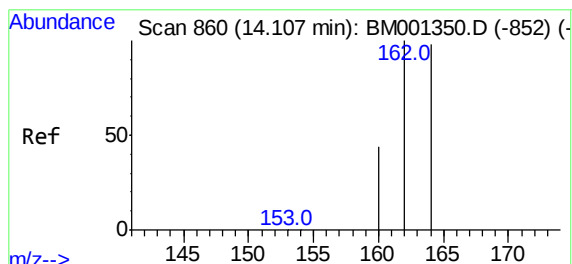
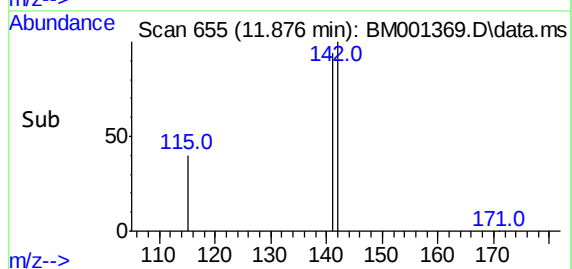
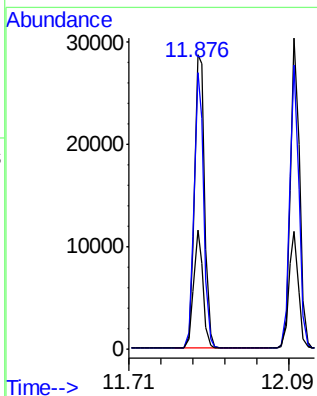
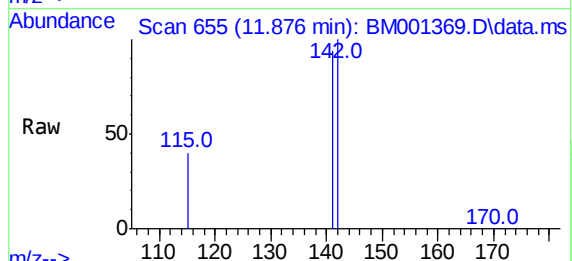




#11
2-Methylnaphthalene
Concen: 6.57 ng
RT: 11.876 min Scan# 655
Delta R.T. -0.010 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

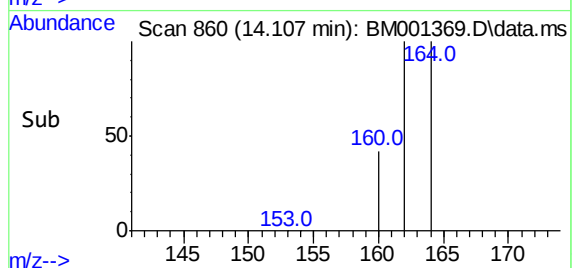
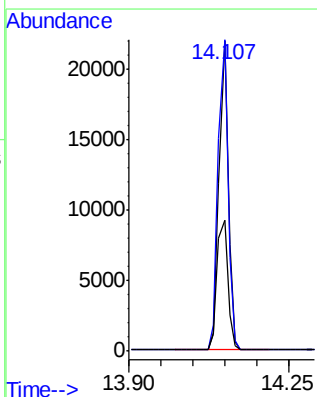
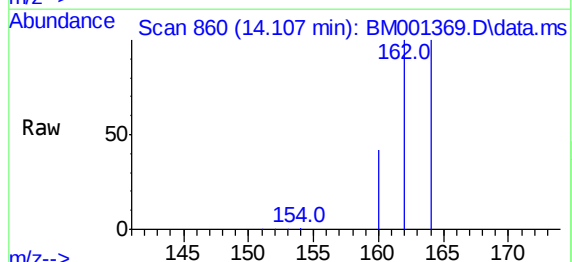
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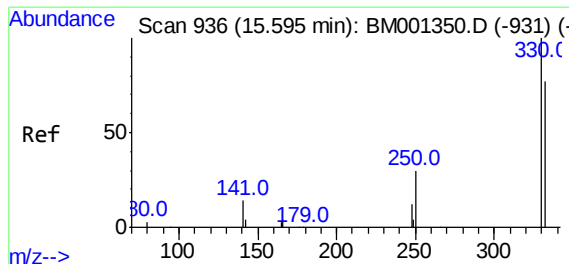
Tgt Ion:142 Resp: 49527
Ion Ratio Lower Upper
142 100
141 93.9 69.0 103.4
115 40.4 27.1 40.7



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.107 min Scan# 860
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:164 Resp: 31241
Ion Ratio Lower Upper
164 100
162 100.3 81.8 122.8
160 42.1 35.8 53.8

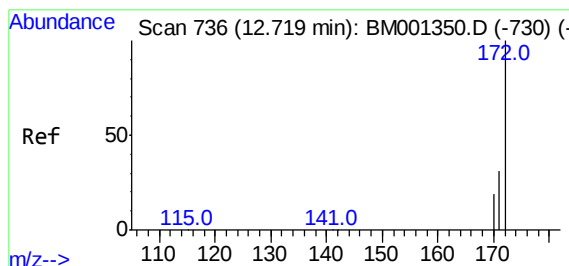
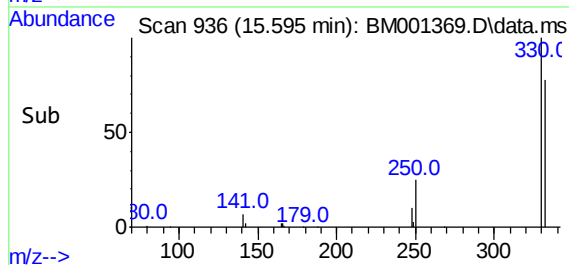
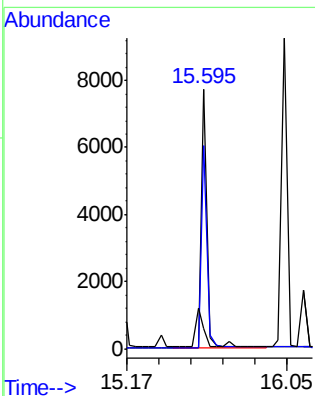
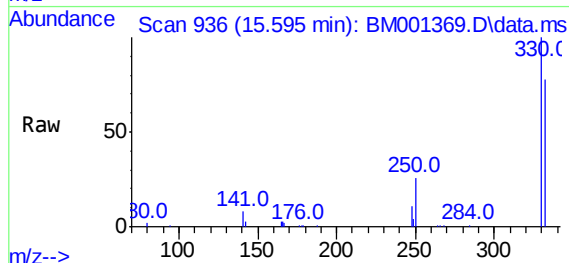




#13
 2,4,6-Tribromophenol
 Concen: 12.75 ng
 RT: 15.595 min Scan# 936
 Delta R.T. 0.001 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

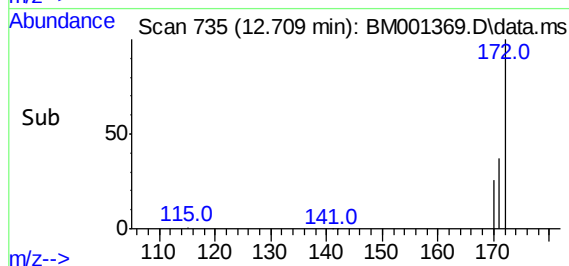
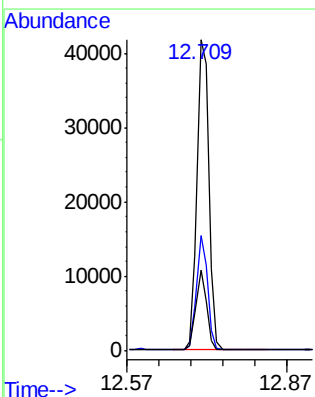
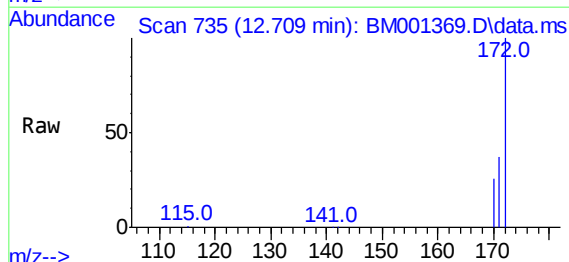
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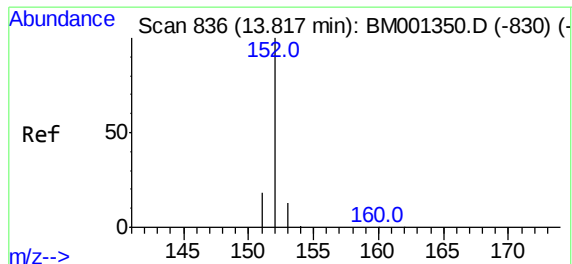
Tgt Ion:	330	Resp:	16592
Ion	Ratio	Lower	Upper
330	100		
332	80.0	65.4	98.2
141	0.0	20.2	30.4#



#14
 2-Fluorobiphenyl
 Concen: 7.15 ng
 RT: 12.709 min Scan# 735
 Delta R.T. -0.010 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

Tgt Ion:	172	Resp:	66619
Ion	Ratio	Lower	Upper
172	100		
171	37.1	25.4	38.2
170	26.0	15.7	23.5#

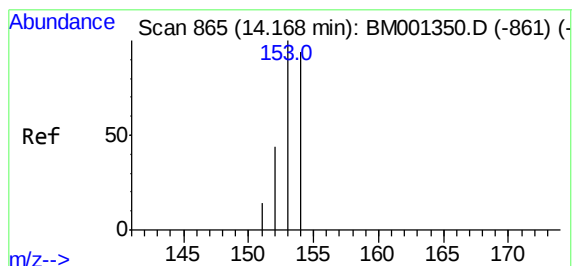
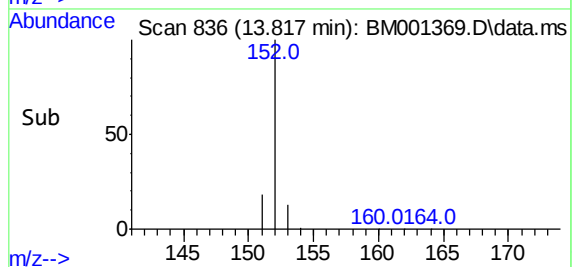
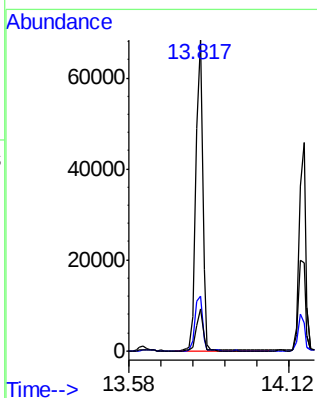
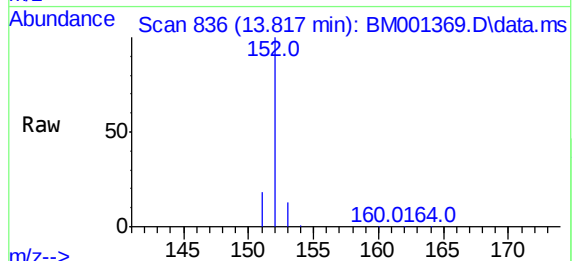




#15
Acenaphthylene
Concen: 8.04 ng
RT: 13.817 min Scan# 836
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

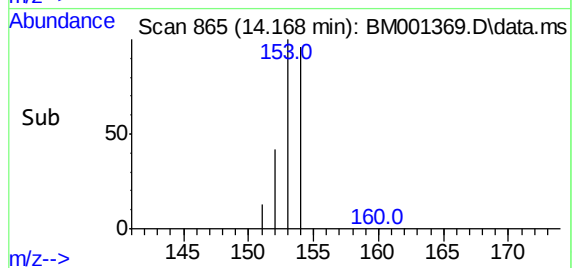
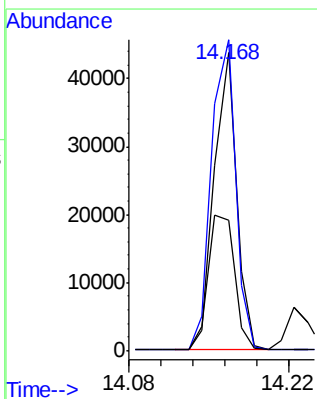
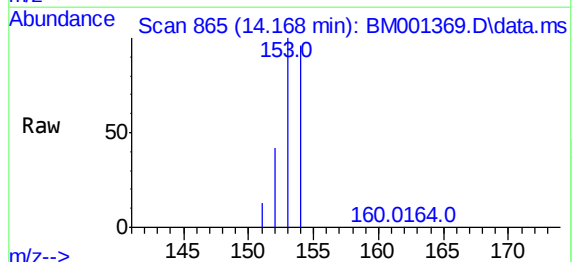
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

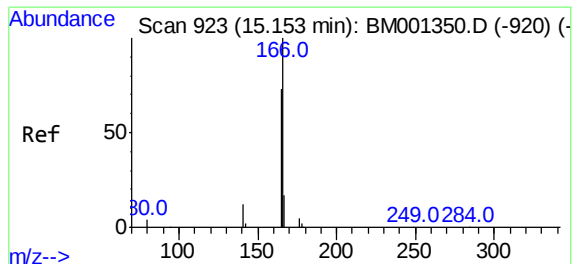
Tgt Ion:152 Resp: 105622
Ion Ratio Lower Upper
152 100
151 18.9 15.3 22.9
153 12.8 10.3 15.5



#16
Acenaphthene
Concen: 7.56 ng
RT: 14.168 min Scan# 865
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:154 Resp: 62446
Ion Ratio Lower Upper
154 100
153 112.8 90.6 135.8
152 53.6 43.6 65.4

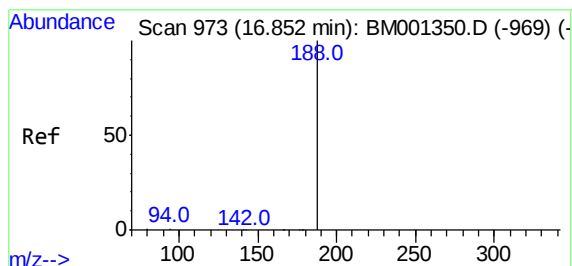
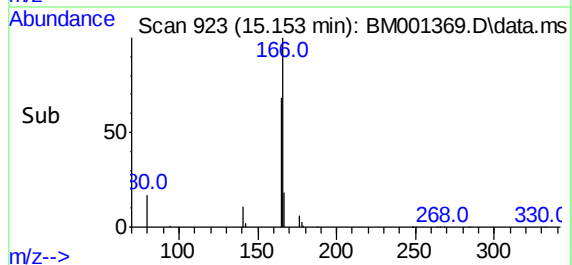
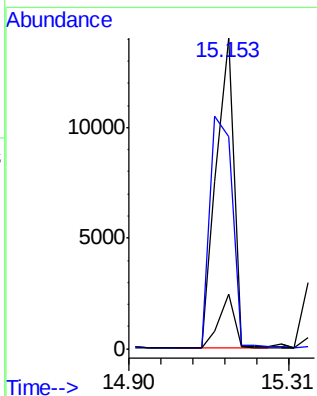
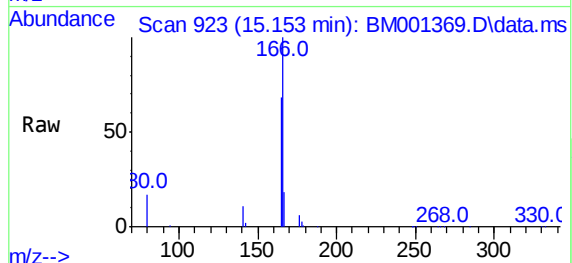




#17
Fluorene
Concen: 6.72 ng
RT: 15.153 min Scan# 923
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

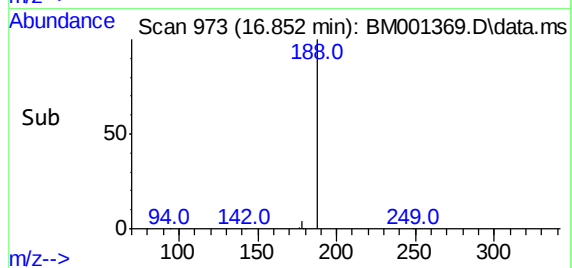
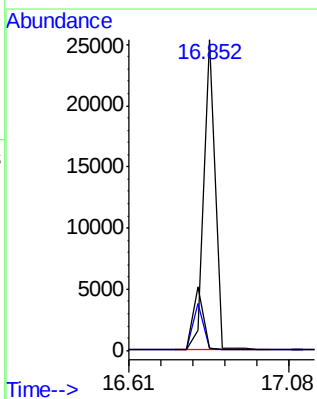
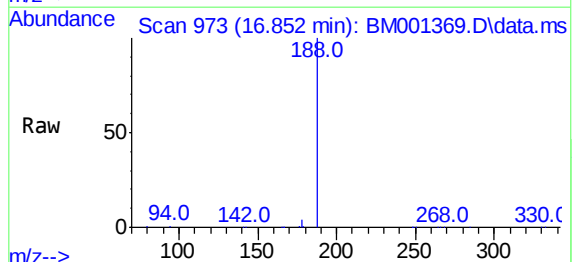
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

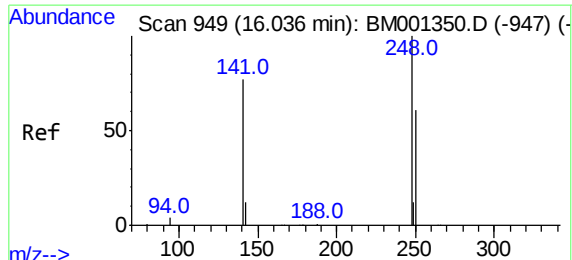
Tgt Ion:166 Resp: 44362
Ion Ratio Lower Upper
166 100
165 0.0 72.5 108.7#
167 14.8 16.0 24.0#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.852 min Scan# 973
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:188 Resp: 55608
Ion Ratio Lower Upper
188 100
94 0.6 0.6 1.0
80 0.6 0.6 0.8

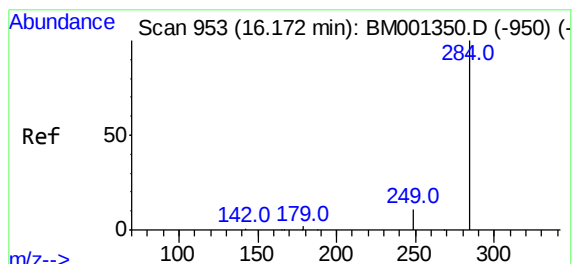
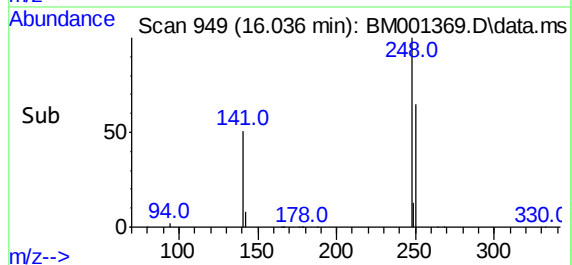
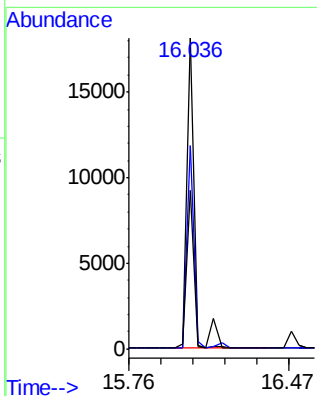
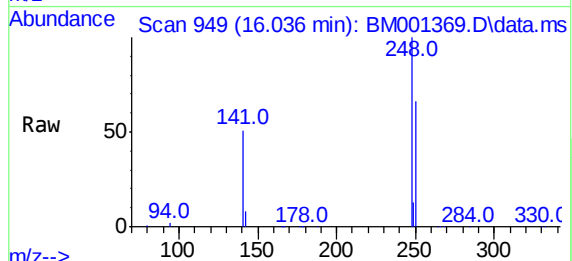




#19
4-Bromophenyl-phenylether
Concen: 12.61 ng
RT: 16.036 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

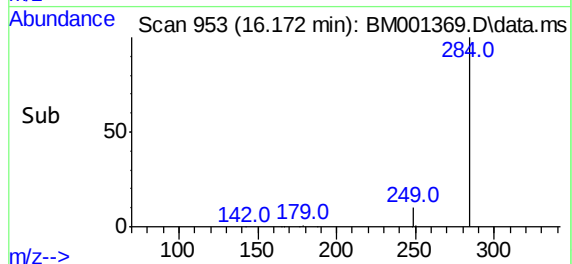
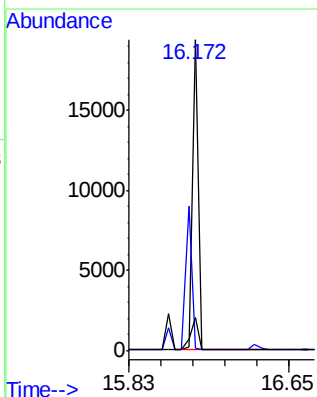
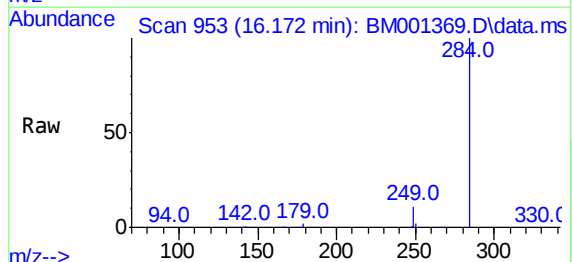
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

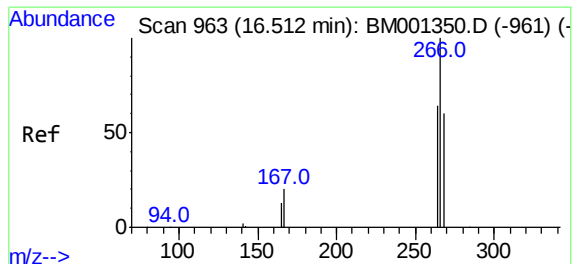
Tgt Ion:248 Resp: 37711
Ion Ratio Lower Upper
248 100
250 66.8 51.5 77.3
141 51.1 59.0 88.6#



#20
Hexachlorobenzene
Concen: 9.72 ng
RT: 16.172 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:284 Resp: 39911
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 13.7 11.1 16.7

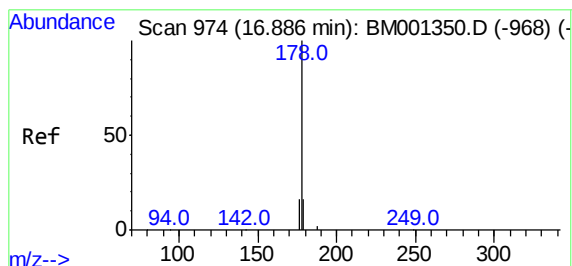
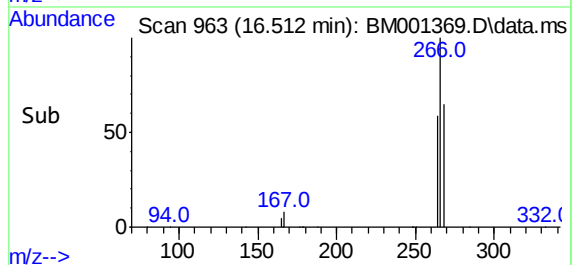
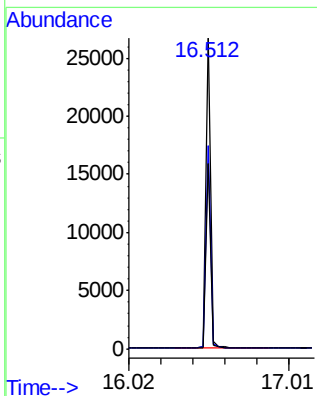
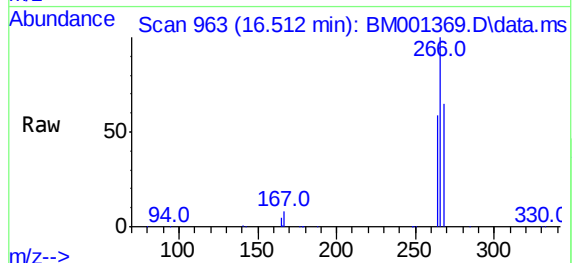




#21
Pentachlorophenol
Concen: 23.91 ng
RT: 16.512 min Scan# 963
Delta R.T. 0.001 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

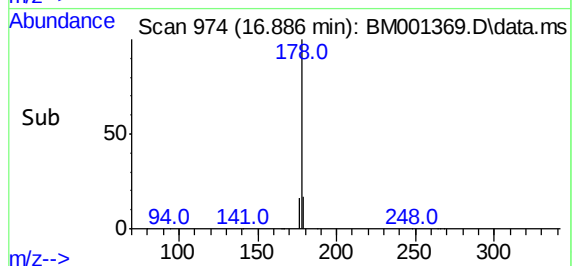
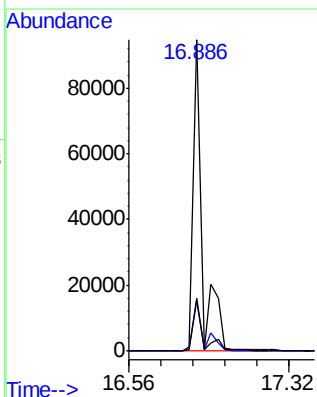
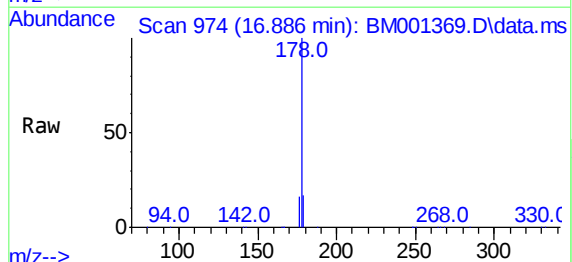
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

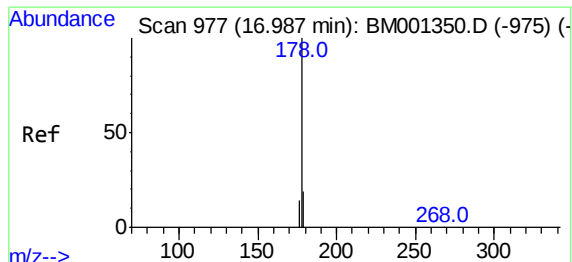
Tgt Ion:266 Resp: 57005
Ion Ratio Lower Upper
266 100
268 65.3 51.2 76.8
264 59.5 53.7 80.5



#22
Phenanthrene
Concen: 13.90 ng
RT: 16.886 min Scan# 974
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:178 Resp: 271810
Ion Ratio Lower Upper
178 100
176 17.2 16.6 25.0
179 13.7 12.8 19.2

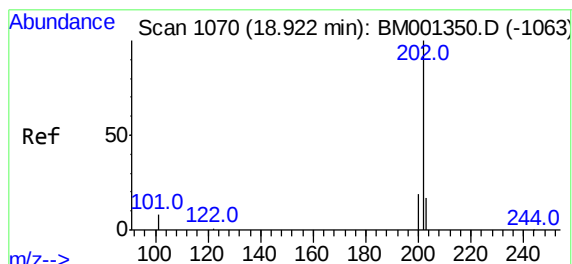
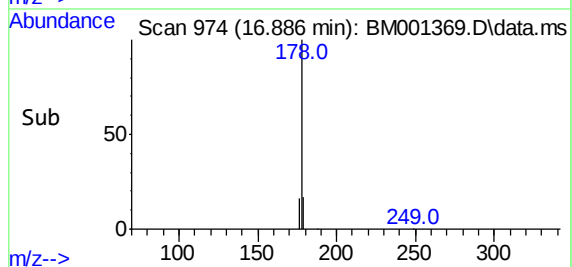
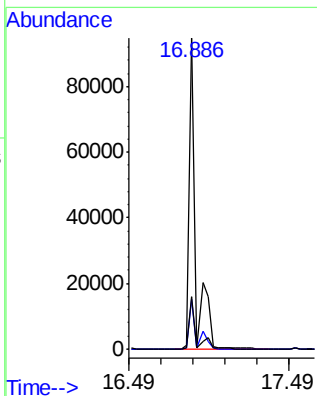
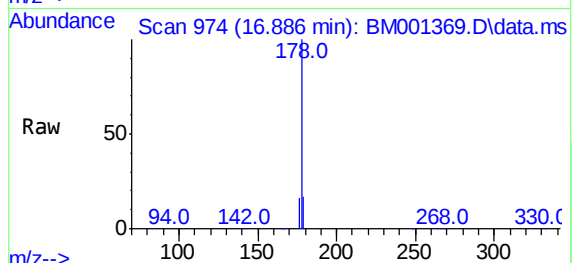




#23
 Anthracene
 Concen: 35.96 ng
 RT: 16.886 min Scan# 974
 Delta R.T. -0.102 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

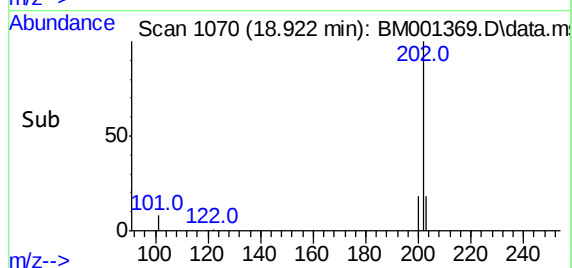
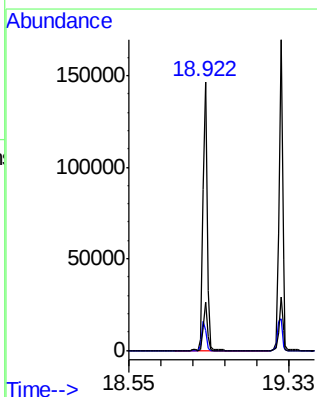
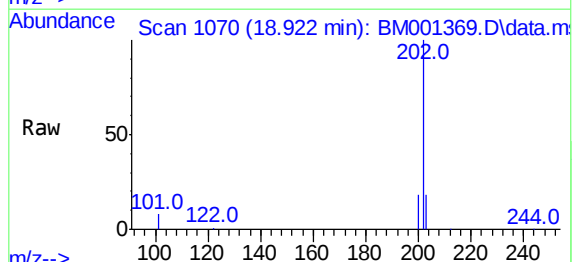
Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MS

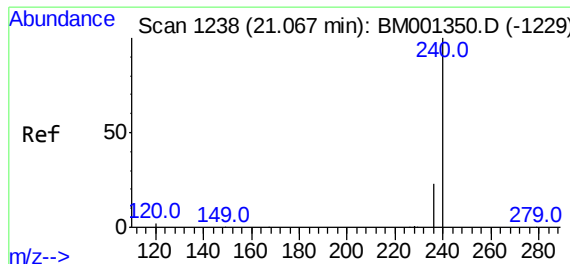
Tgt Ion:178 Resp: 272146
 Ion Ratio Lower Upper
 178 100
 176 17.2 46.1 69.1#
 179 13.7 35.4 53.0#



#24
 Fluoranthene
 Concen: 12.04 ng
 RT: 18.922 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

Tgt Ion:202 Resp: 201607
 Ion Ratio Lower Upper
 202 100
 101 11.2 8.7 13.1
 203 17.3 13.8 20.6

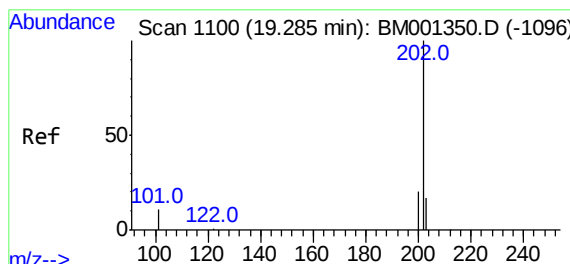
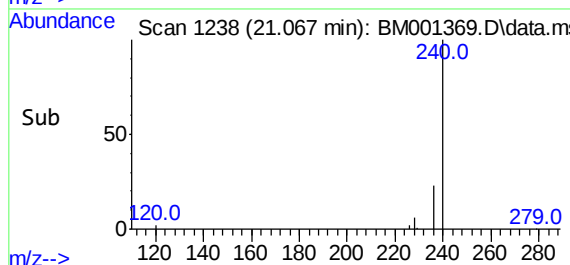
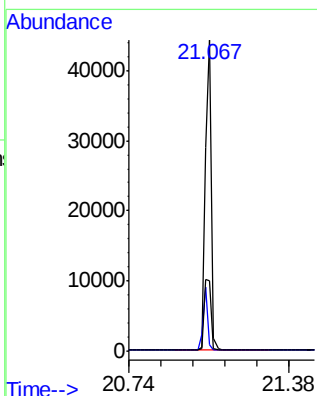
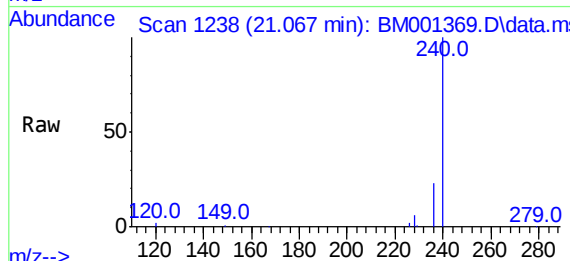




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.067 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

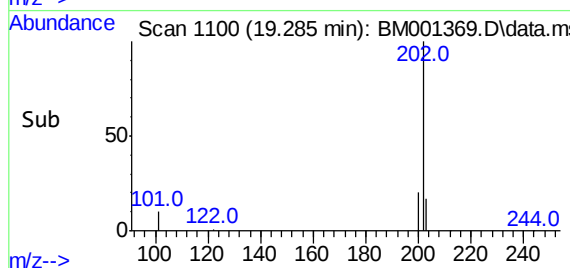
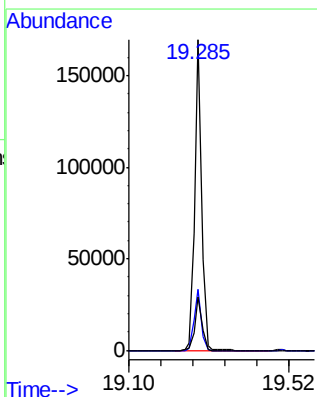
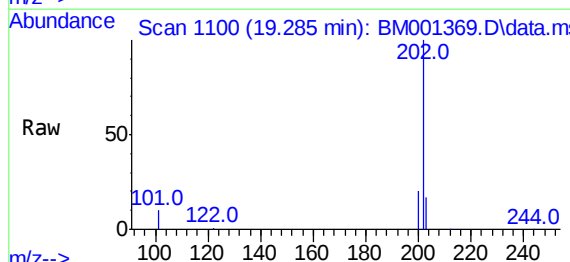
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

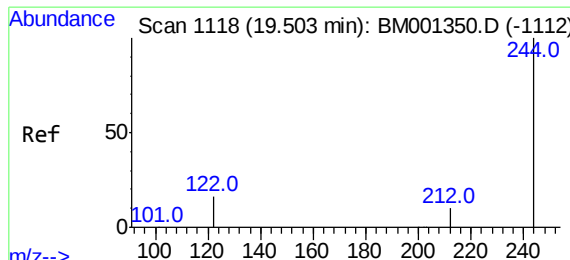
Tgt Ion:240 Resp: 70828
Ion Ratio Lower Upper
240 100
120 1.8 1.6 2.4
236 22.7 18.5 27.7



#26
Pyrene
Concen: 9.77 ng
RT: 19.285 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:202 Resp: 211370
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.4
203 17.8 13.9 20.9

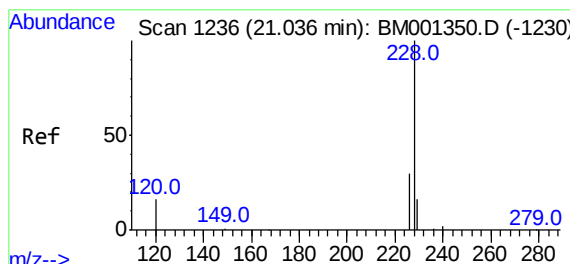
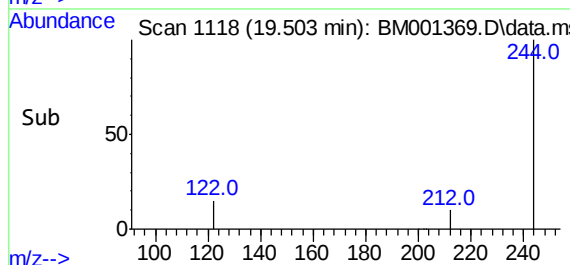
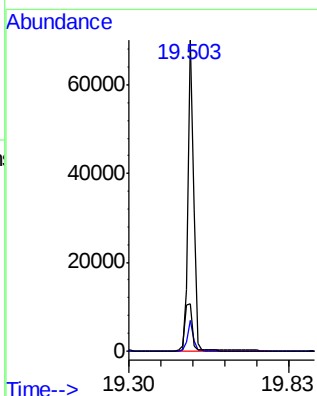
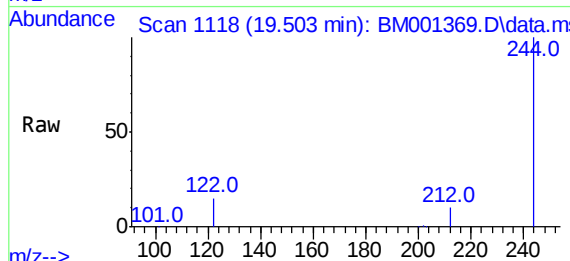




#27
Terphenyl-d14
Concen: 9.26 ng
RT: 19.503 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

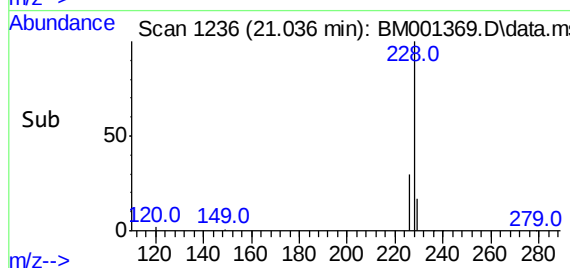
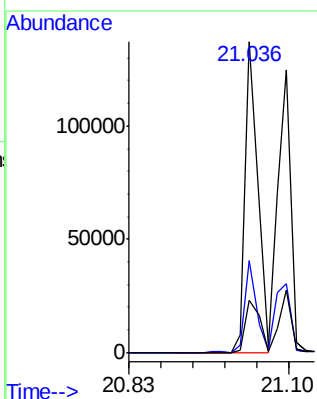
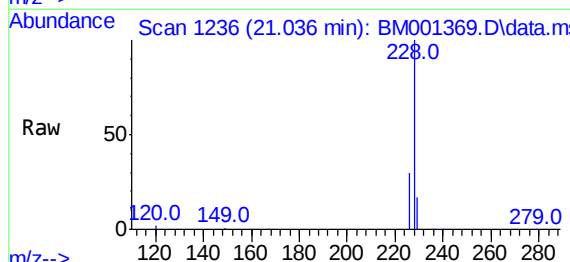
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

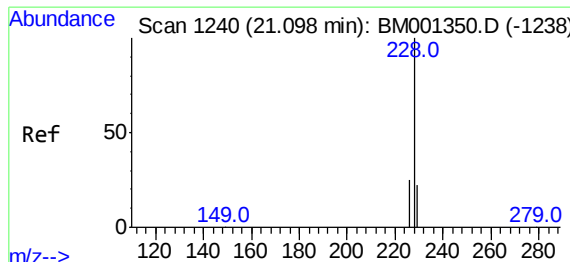
Tgt Ion:244 Resp: 86298
Ion Ratio Lower Upper
244 100
212 10.0 8.5 12.7
122 15.1 13.4 20.2



#28
Benzo(a)anthracene
Concen: 9.70 ng
RT: 21.036 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:228 Resp: 196498
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 16.7 13.3 19.9





#29

Chrysene

Concen: 9.68 ng

RT: 21.098 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BM001369.D

Acq: 21 May 2015 21:08

Instrument :

BNA_M

ClientSampleId :

KY024MW068-150512MS

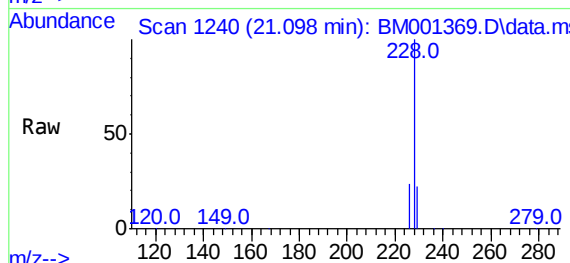
Tgt Ion:228 Resp: 187701

Ion Ratio Lower Upper

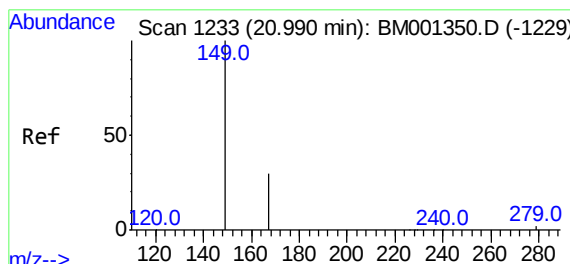
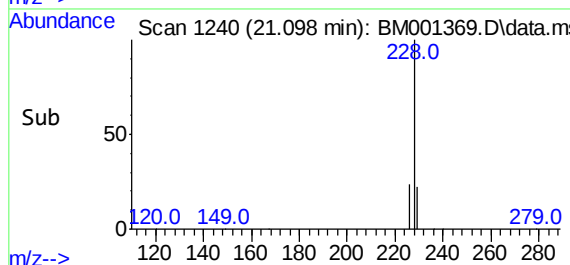
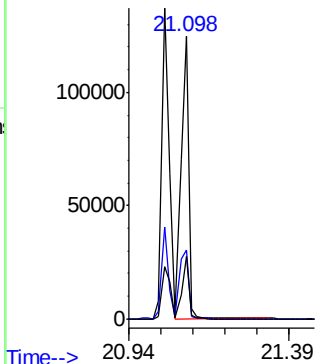
228 100

226 24.1 20.0 30.0

229 22.0 17.6 26.4



Abundance



#30

Bis(2-ethylhexyl)phthalate

Concen: 10.73 ng

RT: 20.990 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BM001369.D

Acq: 21 May 2015 21:08

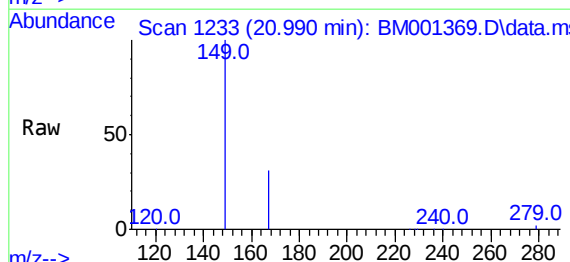
Tgt Ion:149 Resp: 138009

Ion Ratio Lower Upper

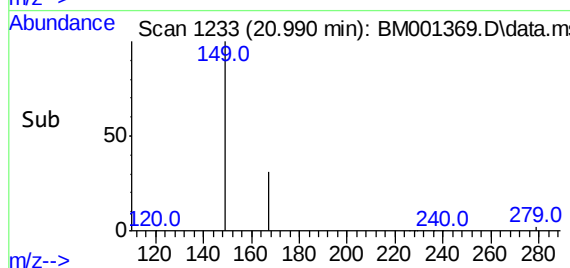
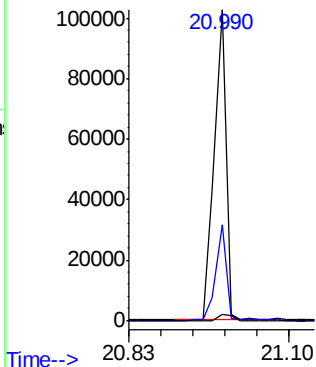
149 100

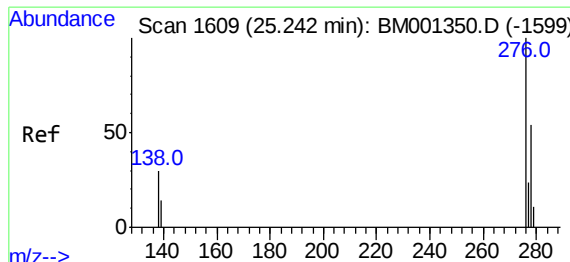
167 27.3 21.6 32.4

279 2.4 1.9 2.9



Abundance



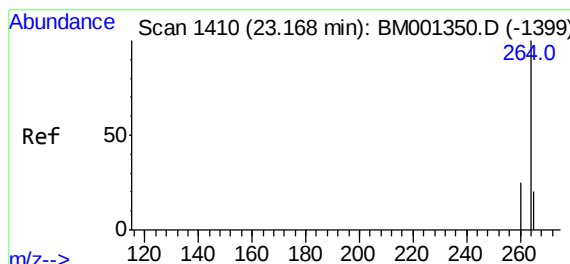
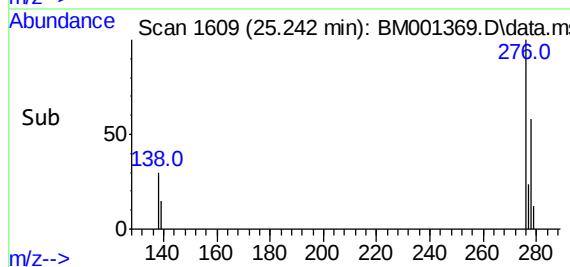
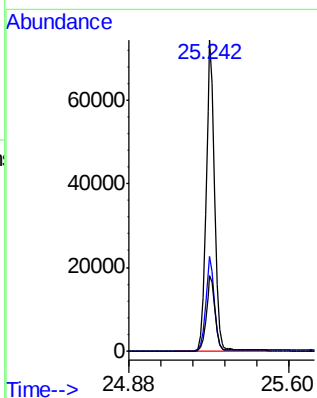
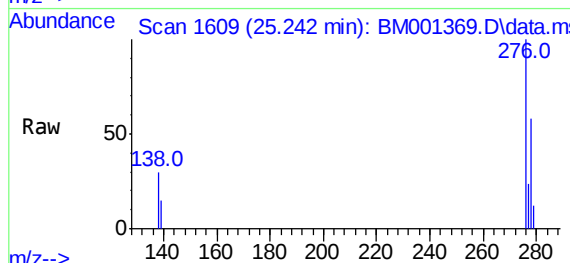


#31
 Indeno(1,2,3-cd)pyrene
 Concen: 9.28 ng
 RT: 25.242 min Scan# 1609
 Delta R.T. 0.000 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MS

Tgt Ion:276 Resp: 193775

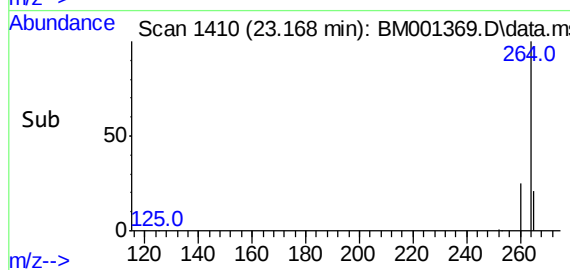
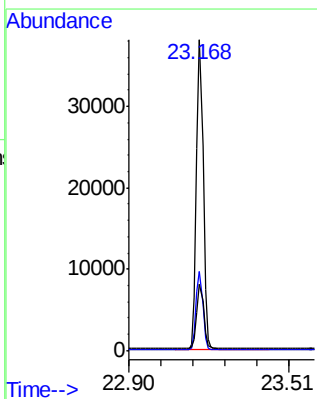
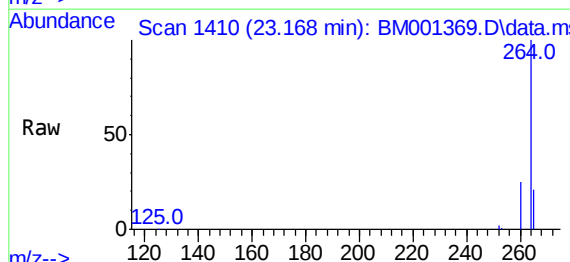
Ion	Ratio	Lower	Upper
276	100		
138	31.1	24.2	36.4
277	24.5	19.7	29.5

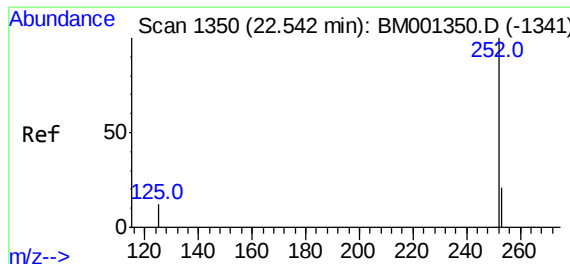


#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.168 min Scan# 1410
 Delta R.T. 0.000 min
 Lab File: BM001369.D
 Acq: 21 May 2015 21:08

Tgt Ion:264 Resp: 66264

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.4	30.6
265	21.2	16.6	24.8

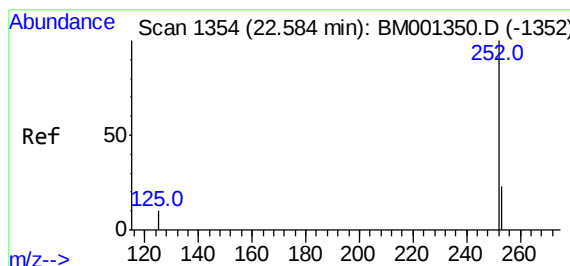
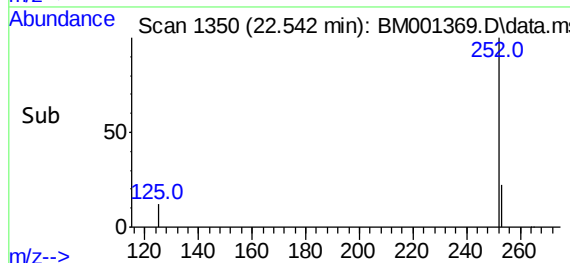
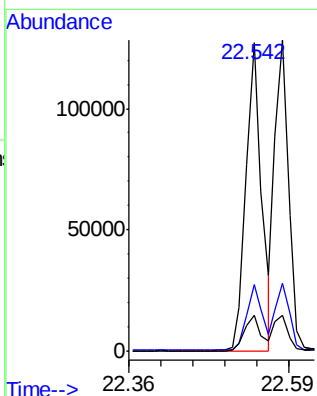
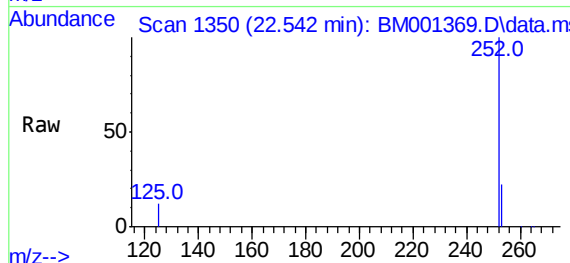




#33
Benzo(b)fluoranthene
Concen: 9.80 ng
RT: 22.542 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

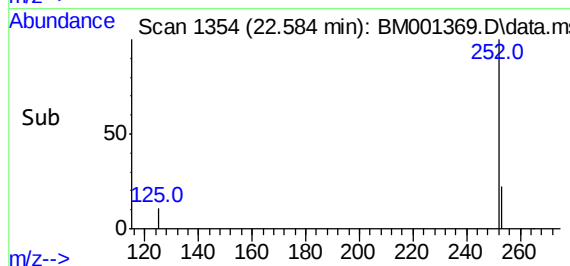
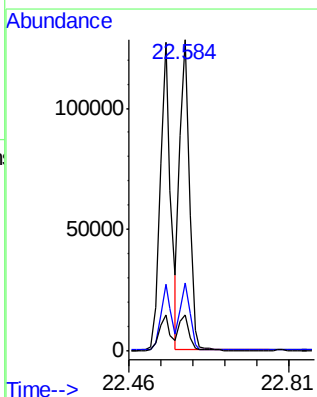
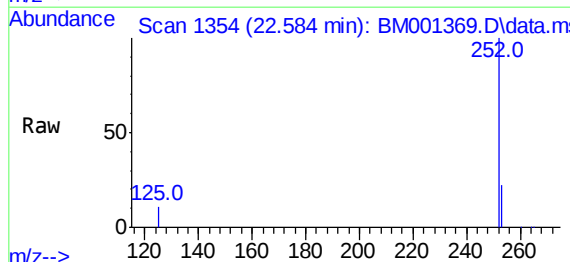
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

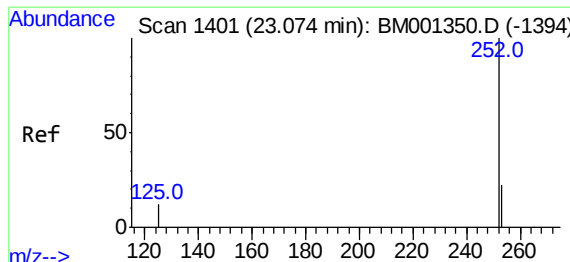
Tgt Ion:252 Resp: 200061
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 11.6 9.8 14.8



#34
Benzo(k)fluoranthene
Concen: 9.91 ng
RT: 22.584 min Scan# 1354
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:252 Resp: 178156
Ion Ratio Lower Upper
252 100
253 21.8 18.6 28.0
125 11.3 9.3 13.9

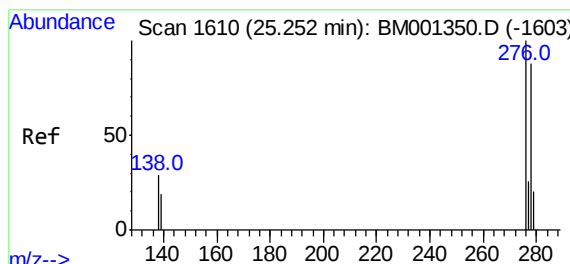
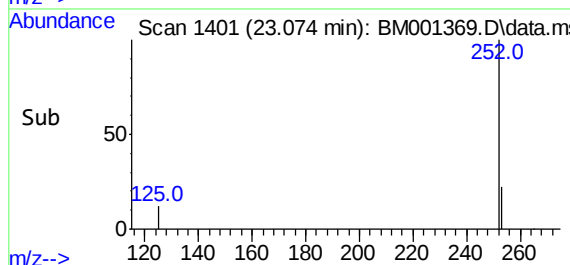
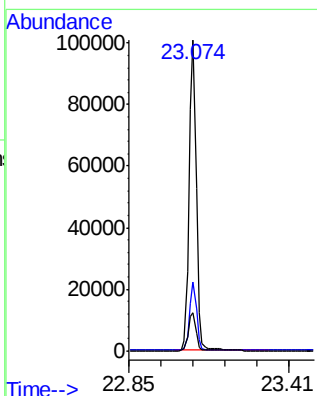
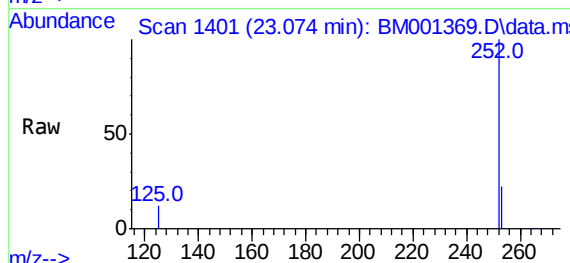




#35
Benzo(a)pyrene
Concen: 10.07 ng
RT: 23.074 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

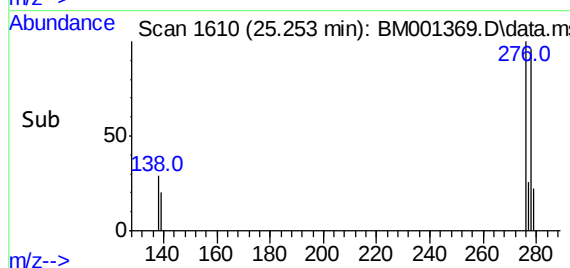
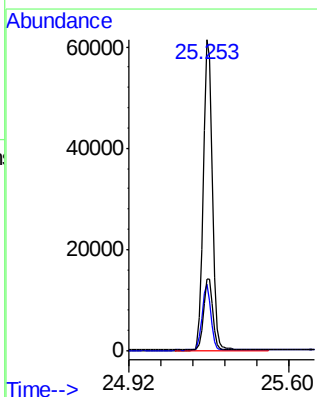
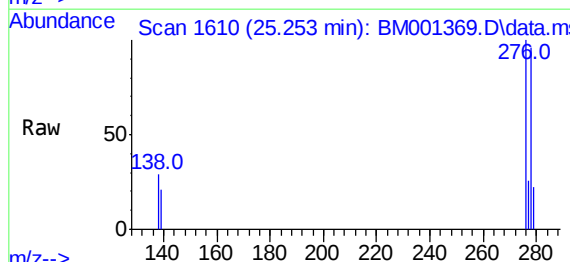
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MS

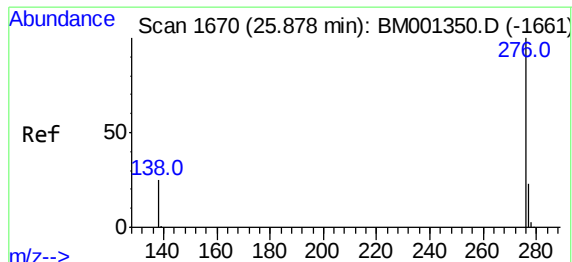
Tgt Ion:252 Resp: 174976
Ion Ratio Lower Upper
252 100
253 22.1 18.9 28.3
125 12.4 10.6 15.8



#36
Dibenzo(a,h)anthracene
Concen: 9.82 ng
RT: 25.253 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM001369.D
Acq: 21 May 2015 21:08

Tgt Ion:278 Resp: 156815
Ion Ratio Lower Upper
278 100
139 21.4 17.5 26.3
279 23.0 18.7 28.1





#37

Benzo(g,h,i)perylene

Concen: 9.48 ng

RT: 25.878 min Scan# 1670

Delta R.T. 0.000 min

Lab File: BM001369.D

Acq: 21 May 2015 21:08

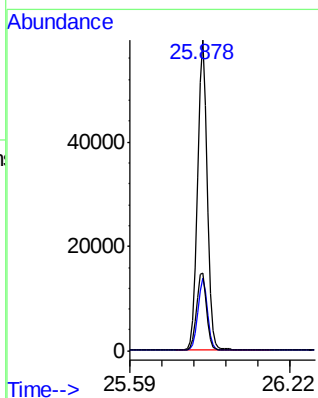
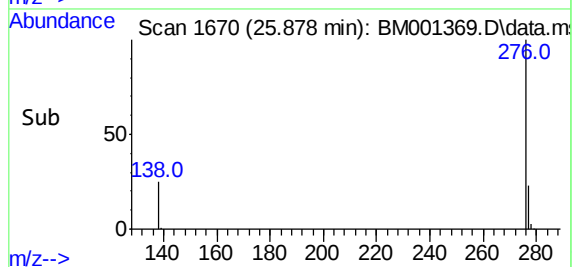
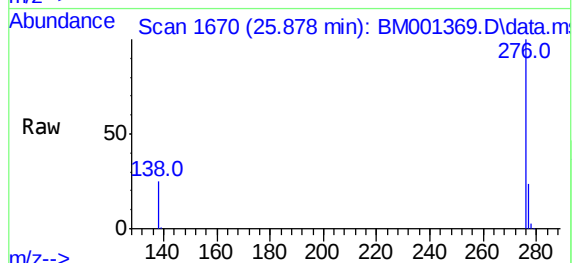
Tgt Ion:276 Resp: 162558

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 25.0 20.2 30.4



Instrument :

BNA_M

ClientSampleId :

KY024MW068-150512MS