

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052015\
 Data File : BM001370.D
 Acq On : 21 May 2015 21:43
 Operator : TP/IZ
 Sample : G2255-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MSD

Quant Time: May 22 05:30:23 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)

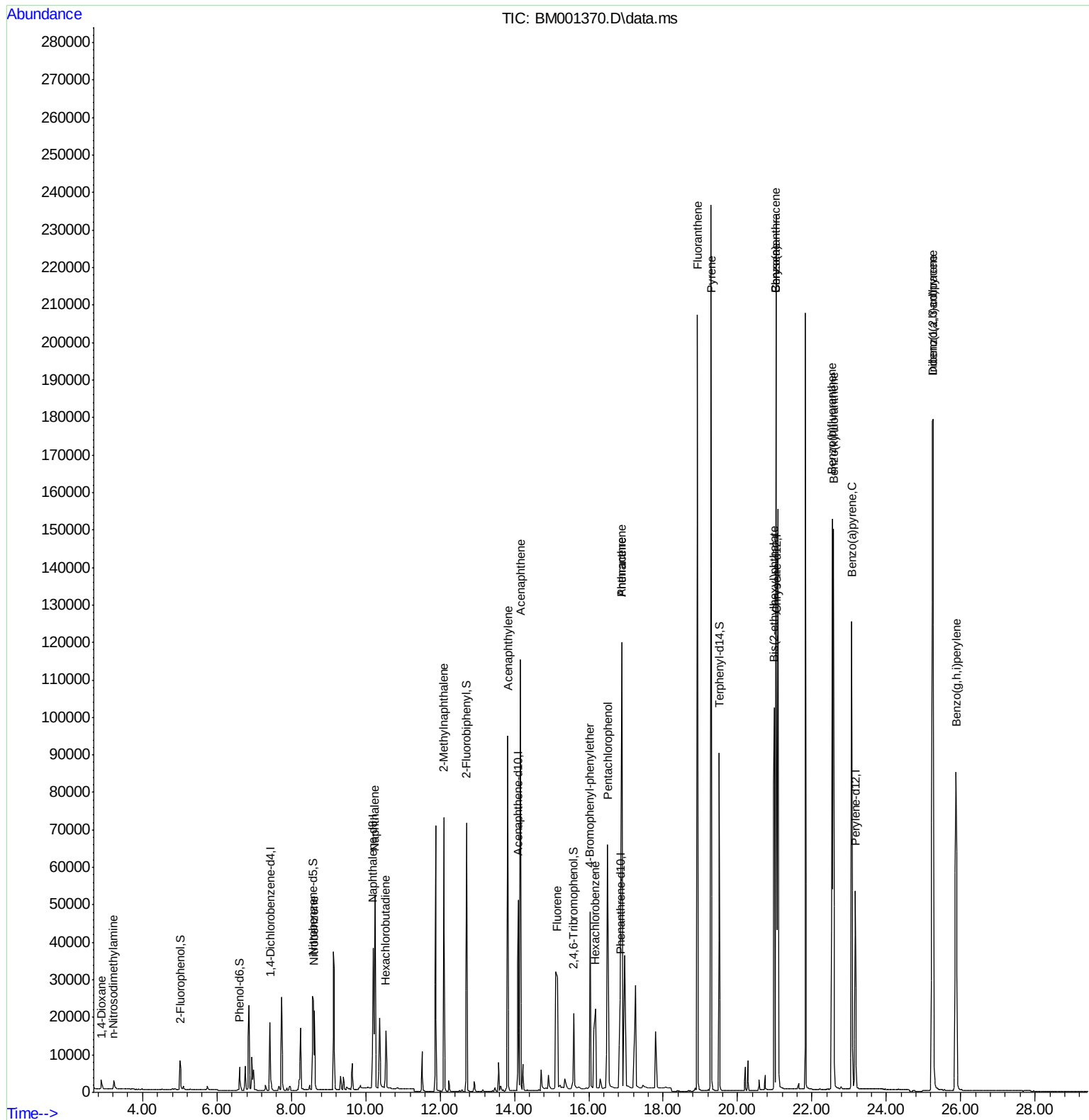
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.432	152	11507	5.00	ng	0.00
6) Naphthalene-d8	10.199	136	48609	5.00	ng	0.00
12) Acenaphthene-d10	14.107	164	30295	5.00	ng	0.00
18) Phenanthrene-d10	16.852	188	49407	5.00	ng	0.00
25) Chrysene-d12	21.051	240	66323	5.00	ng	#-0.02
32) Perylene-d12	23.168	264	60990	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.021	112	6851	3.07	ng	0.00
5) Phenol-d6	6.613	99	6130	2.20	ng	0.00
7) Nitrobenzene-d5	8.586	82	21714	8.28	ng	0.00
13) 2,4,6-Tribromophenol	15.595	330	18758	14.85	ng	0.00
14) 2-Fluorobiphenyl	12.709	172	71608	7.92	ng	-0.01
27) Terphenyl-d14	19.503	244	89056	10.21	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.903	88	2257	2.41	ng	94
3) n-Nitrosodimethylamine	3.212	42	2945	2.27	ng	# 97
8) Nitrobenzene	8.617	77	23701	7.24	ng	97
9) Naphthalene	10.250	128	68141	6.57	ng	99
10) Hexachlorobutadiene	10.542	225	10912	5.44	ng	100
11) 2-Methylnaphthalene	12.105	142	48417	6.57	ng	93
15) Acenaphthylene	13.817	152	113189	8.88	ng	100
16) Acenaphthene	14.168	154	65827	8.22	ng	99
17) Fluorene	15.153	166	47166	7.36	ng	# 19
19) 4-Bromophenyl-phenylether	16.036	248	41626	15.67	ng	# 77
20) Hexachlorobenzene	16.172	284	38929	10.67	ng	# 100
21) Pentachlorophenol	16.512	266	58971	27.77	ng	93
22) Phenanthrene	16.886	178	266811	15.36	ng	95
23) Anthracene	16.886	178	267126	39.73	ng	# 51
24) Fluoranthene	18.922	202	203325	13.66	ng	99
26) Pyrene	19.285	202	213638	10.54	ng	99
28) Benzo(a)anthracene	21.036	228	197089	10.39	ng	95
29) Chrysene	21.036	228	197089	10.85	ng	93
30) Bis(2-ethylhexyl)phtha...	20.990	149	134231	11.14	ng	100
31) Indeno(1,2,3-cd)pyrene	25.242	276	189966	9.71	ng	99
33) Benzo(b)fluoranthene	22.542	252	210851	11.22	ng	98
34) Benzo(k)fluoranthene	22.584	252	166981	10.09	ng	98
35) Benzo(a)pyrene	23.074	252	174694	10.93	ng	98
36) Dibenzo(a,h)anthracene	25.252	278	153973	10.48	ng	98
37) Benzo(g,h,i)perylene	25.878	276	158086	10.02	ng	99

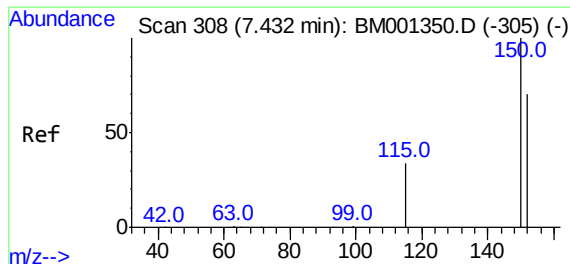
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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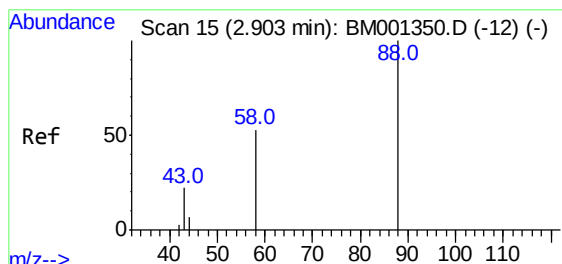
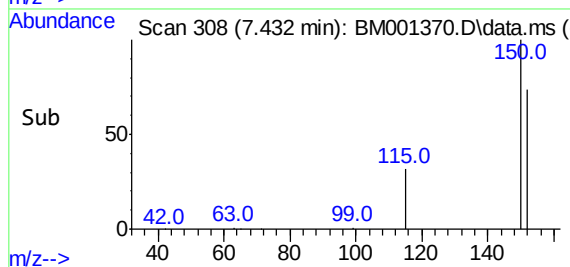
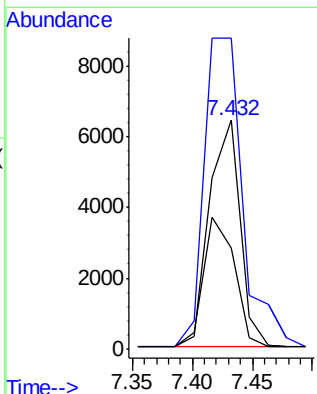
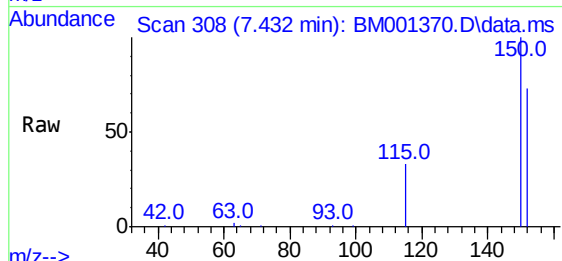




#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.432 min Scan# 308
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

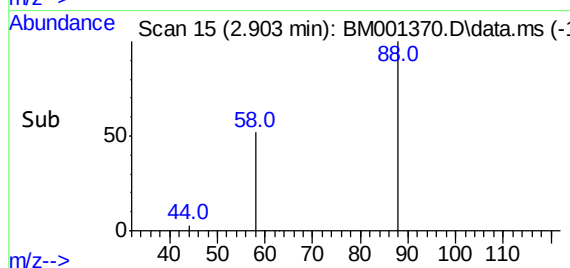
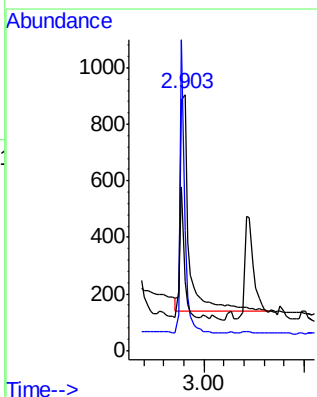
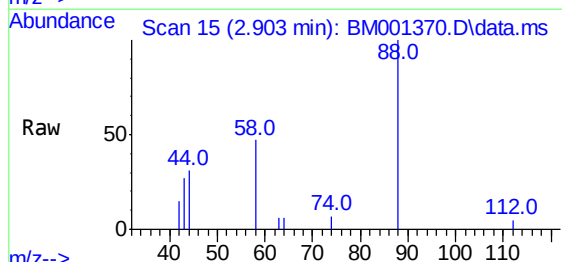
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

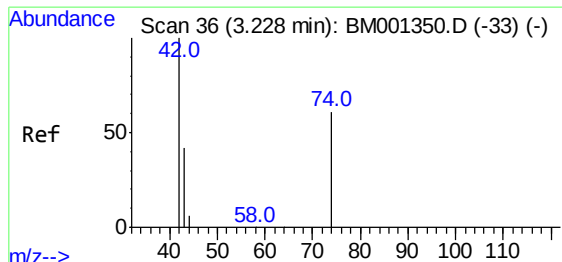
Tgt Ion:152 Resp: 11507
Ion Ratio Lower Upper
152 100
150 136.1 114.1 171.1
115 44.3 39.2 58.8



#2
1,4-Dioxane
Concen: 2.41 ng
RT: 2.903 min Scan# 15
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion: 88 Resp: 2257
Ion Ratio Lower Upper
88 100
58 71.1 53.1 79.7
43 31.5 27.8 41.8

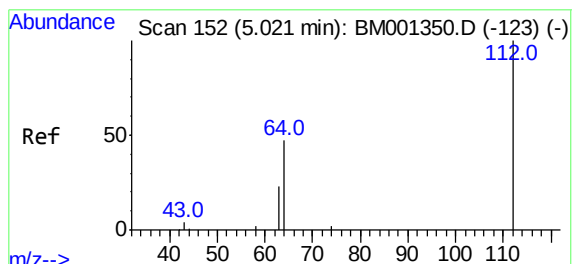
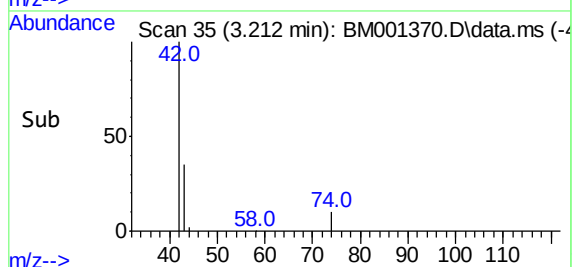
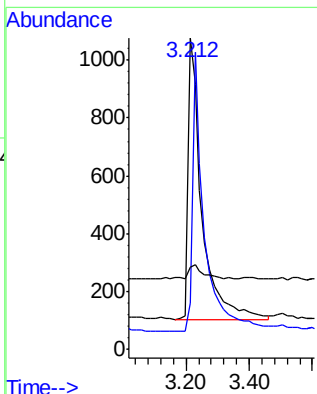
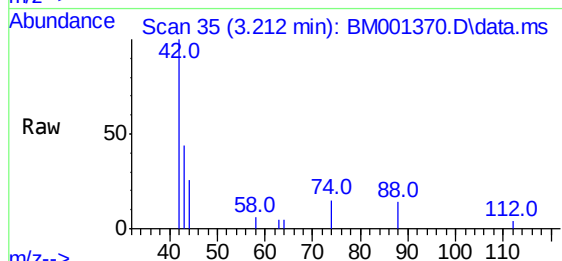




#3
n-Nitrosodimethylamine
Concen: 2.27 ng
RT: 3.212 min Scan# 35
Delta R.T. -0.015 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

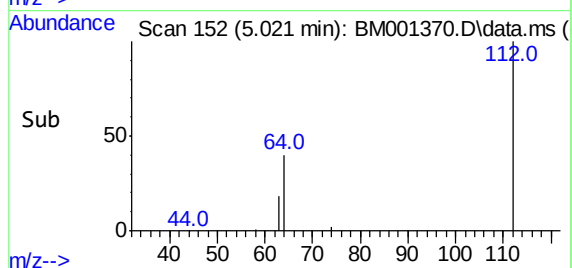
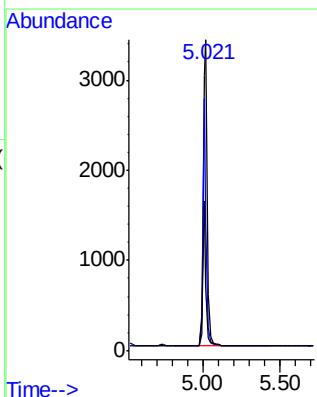
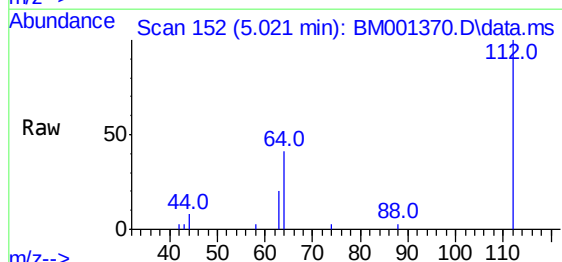
Instrument :
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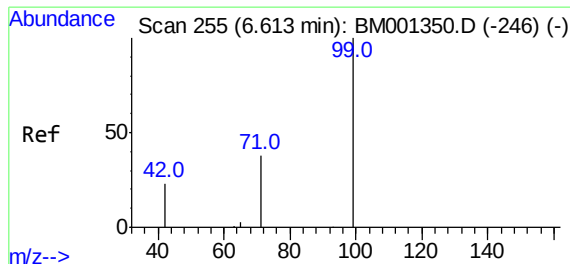
Tgt Ion: 42 Resp: 2945
Ion Ratio Lower Upper
42 100
74 90.5 70.0 105.0
44 6.3 3.6 5.4



#4
2-Fluorophenol
Concen: 3.07 ng
RT: 5.021 min Scan# 152
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion: 112 Resp: 6851
Ion Ratio Lower Upper
112 100
64 65.1 52.9 79.3
63 37.4 29.6 44.4



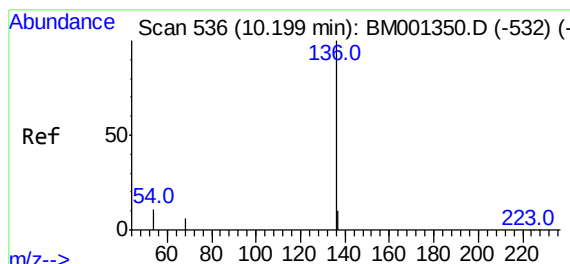
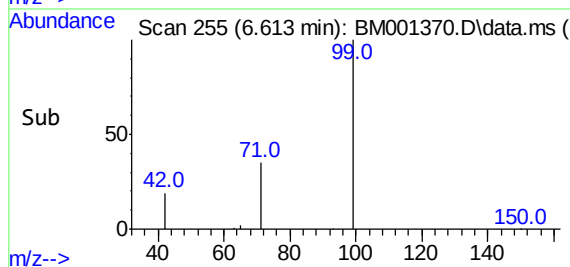
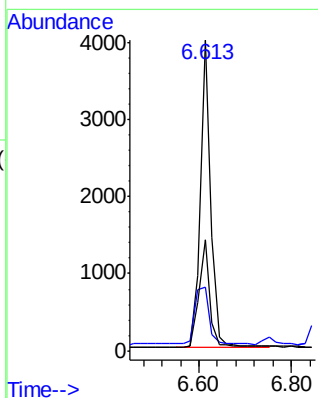
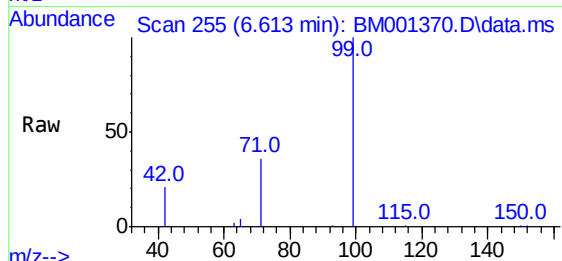


#5
Phenol-d6
Concen: 2.20 ng
RT: 6.613 min Scan# 255
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

Tgt Ion: 99 Resp: 6130

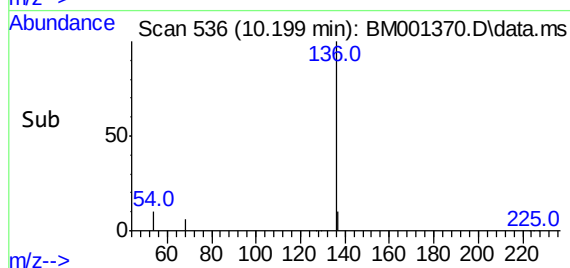
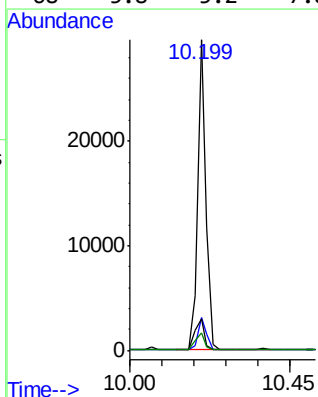
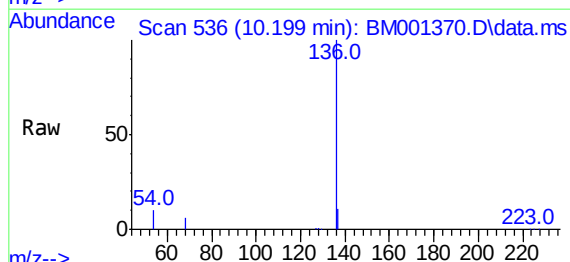
Ion	Ratio	Lower	Upper
99	100		
42	25.1	21.4	32.2
71	36.7	29.0	43.4

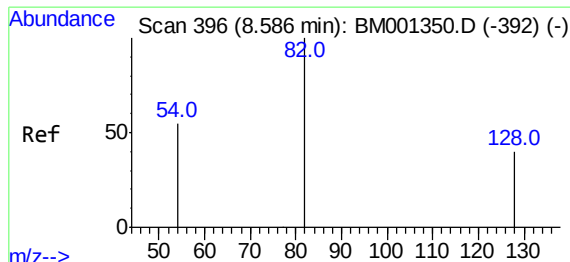


#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.199 min Scan# 536
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:136 Resp: 48609

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.4
54	10.0	9.4	14.0
68	5.8	5.2	7.8

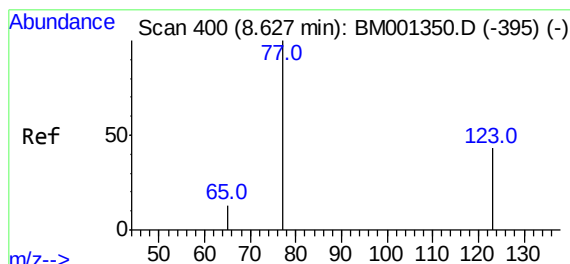
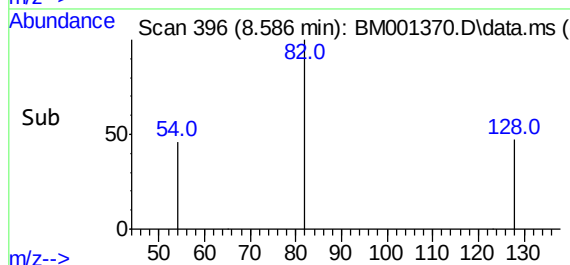
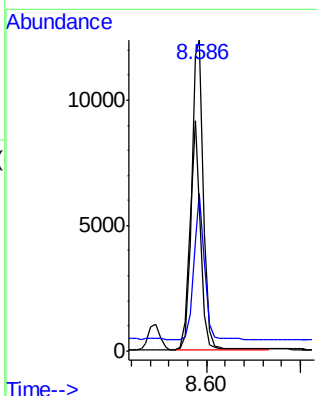
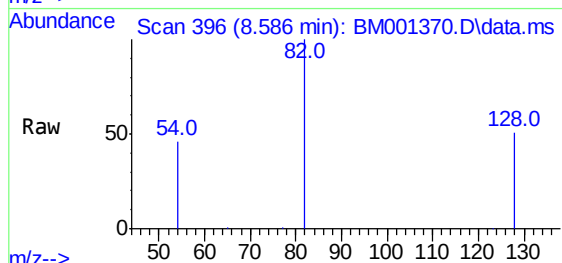




#7
Nitrobenzene-d5
Concen: 8.28 ng
RT: 8.586 min Scan# 396
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

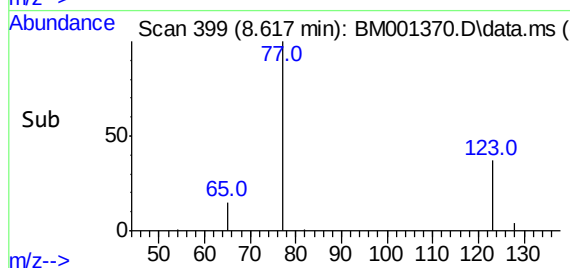
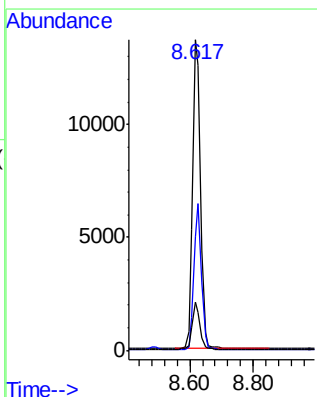
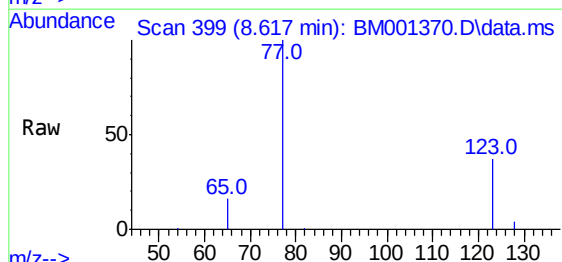
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

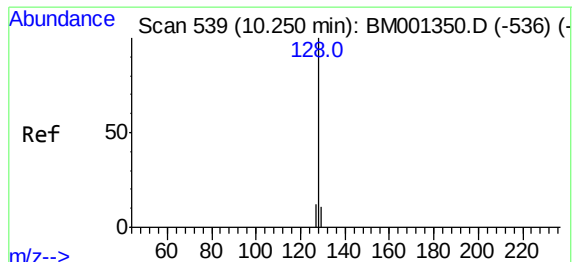
Tgt Ion: 82 Resp: 21714
Ion Ratio Lower Upper
82 100
128 50.7 33.5 50.3#
54 46.3 45.1 67.7



#8
Nitrobenzene
Concen: 7.24 ng
RT: 8.617 min Scan# 399
Delta R.T. -0.010 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion: 77 Resp: 23701
Ion Ratio Lower Upper
77 100
123 44.0 33.6 50.4
65 14.7 11.3 16.9

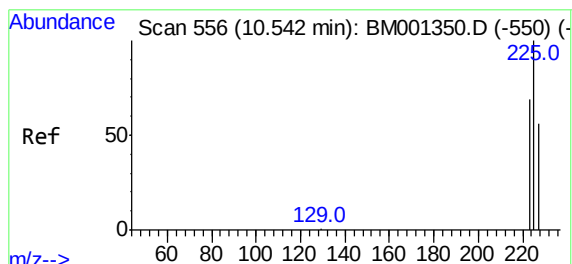
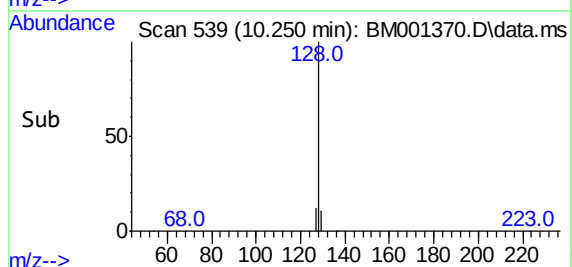
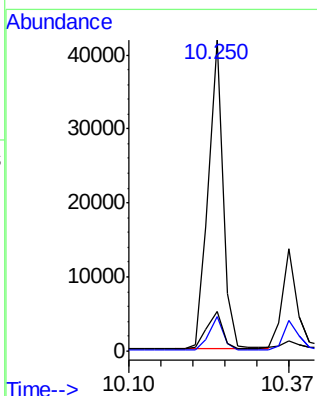
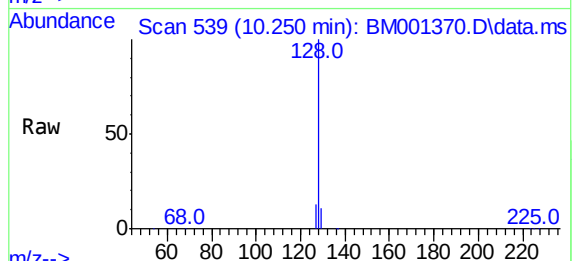




#9
Naphthalene
Concen: 6.57 ng
RT: 10.250 min Scan# 539
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

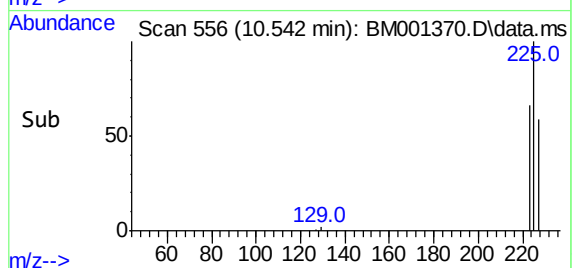
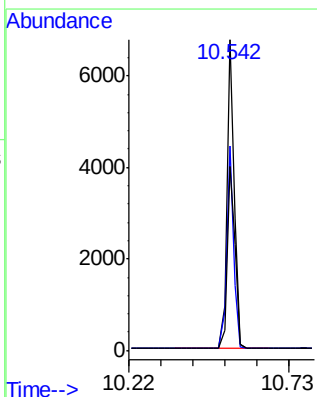
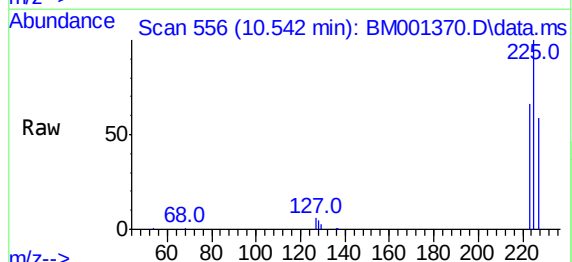
Instrument :
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ClientSampleId :
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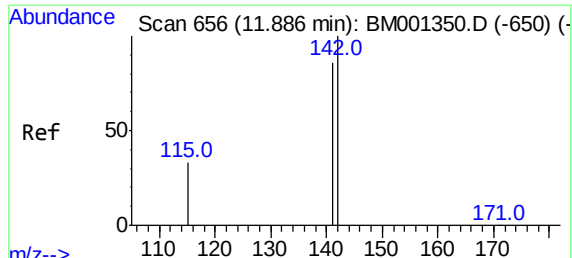
Tgt Ion:128 Resp: 68141
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 12.7 10.4 15.6



#10
Hexachlorobutadiene
Concen: 5.44 ng
RT: 10.542 min Scan# 556
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:225 Resp: 10912
Ion Ratio Lower Upper
225 100
223 62.8 50.3 75.5
227 63.6 50.6 75.8

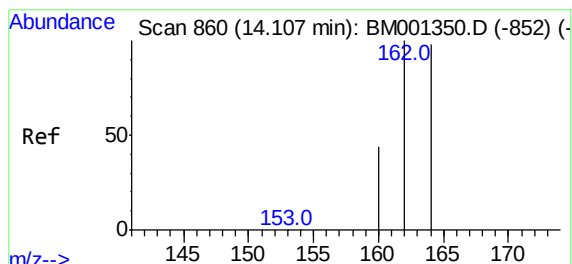
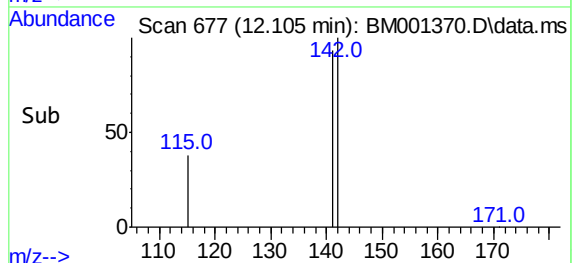
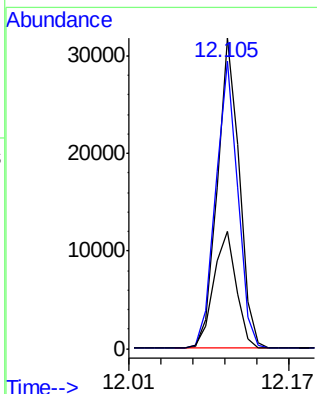
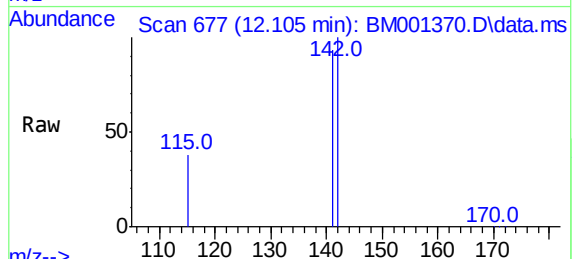




#11
2-Methylnaphthalene
Concen: 6.57 ng
RT: 12.105 min Scan# 677
Delta R.T. 0.219 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

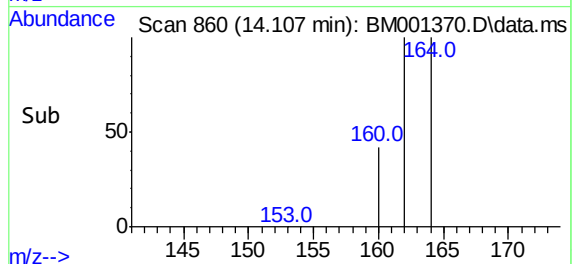
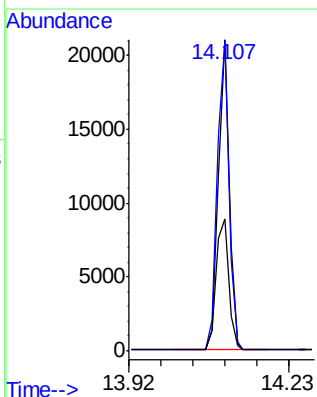
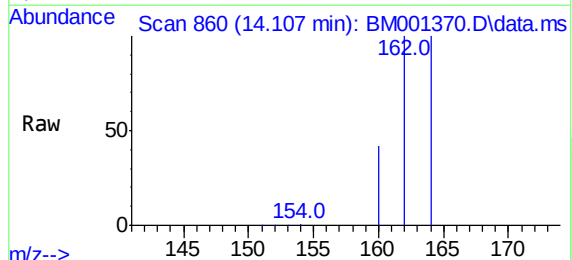
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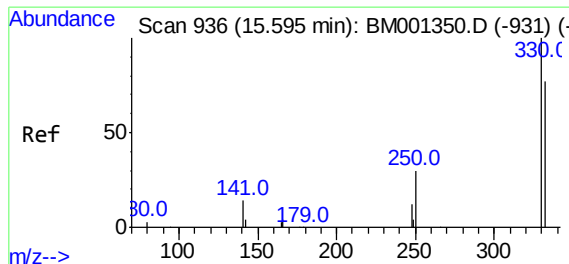
Tgt Ion:142 Resp: 48417
Ion Ratio Lower Upper
142 100
141 92.5 69.0 103.4
115 37.9 27.1 40.7



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.107 min Scan# 860
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:164 Resp: 30295
Ion Ratio Lower Upper
164 100
162 99.7 81.8 122.8
160 42.1 35.8 53.8

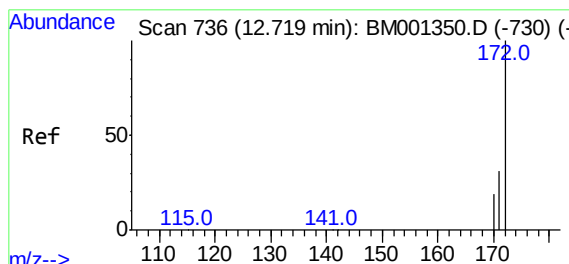
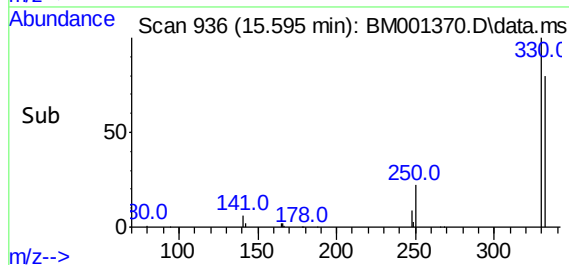
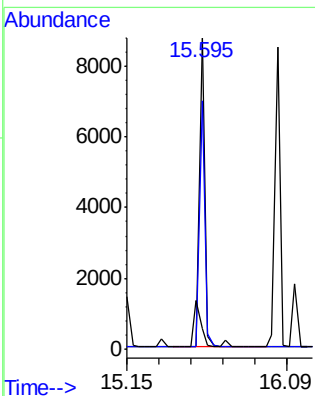
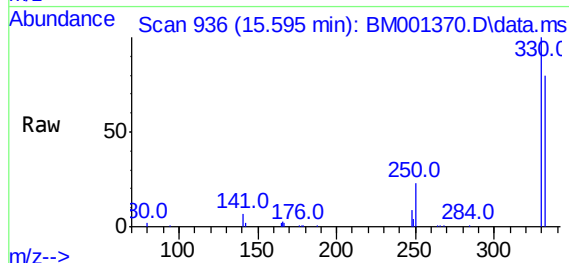




#13
2,4,6-Tribromophenol
Concen: 14.85 ng
RT: 15.595 min Scan# 936
Delta R.T. 0.001 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

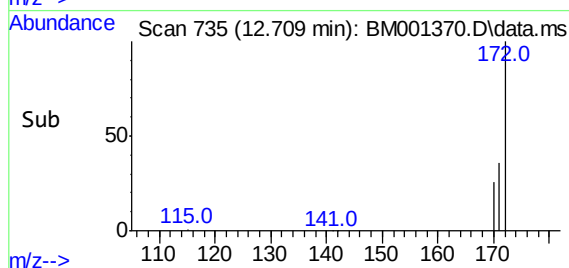
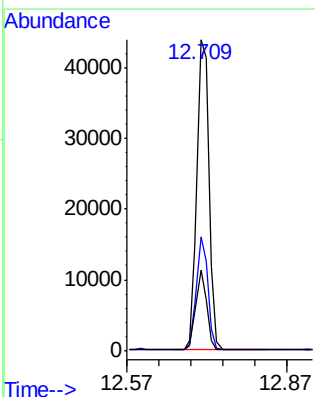
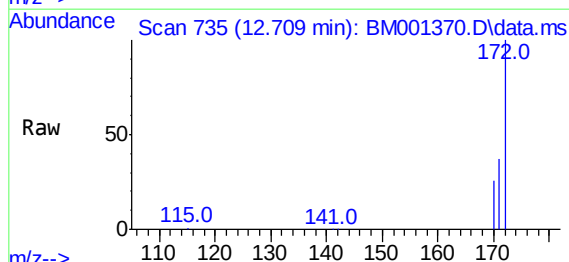
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

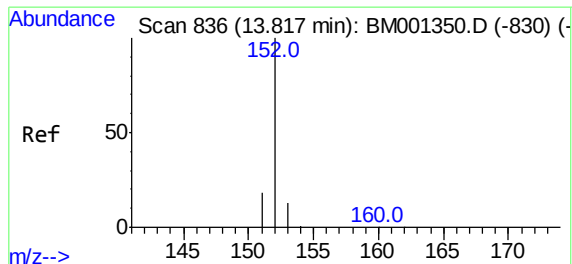
Tgt Ion:	330	Resp:	18758
Ion	Ratio	Lower	Upper
330	100		
332	81.4	65.4	98.2
141	0.0	20.2	30.4#



#14
2-Fluorobiphenyl
Concen: 7.92 ng
RT: 12.709 min Scan# 735
Delta R.T. -0.010 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:	172	Resp:	71608
Ion	Ratio	Lower	Upper
172	100		
171	36.6	25.4	38.2
170	25.8	15.7	23.5#

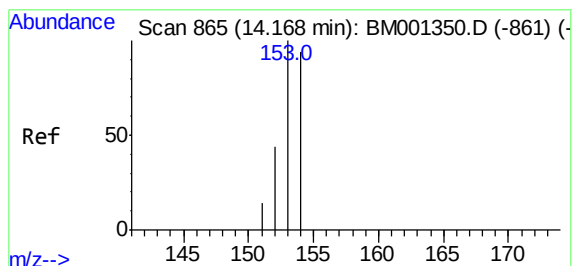
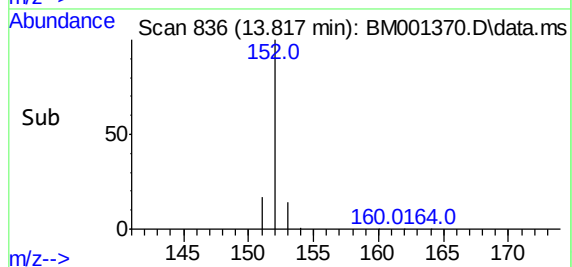
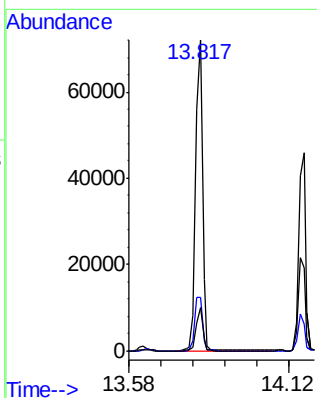
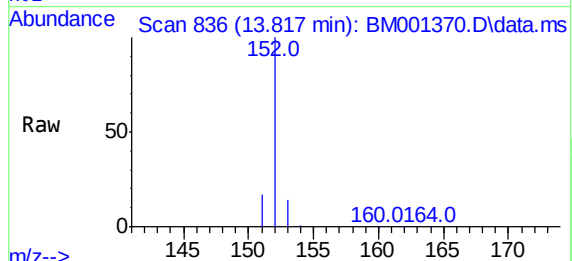




#15
Acenaphthylene
Concen: 8.88 ng
RT: 13.817 min Scan# 836
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

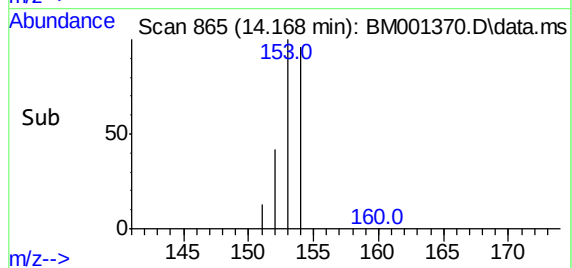
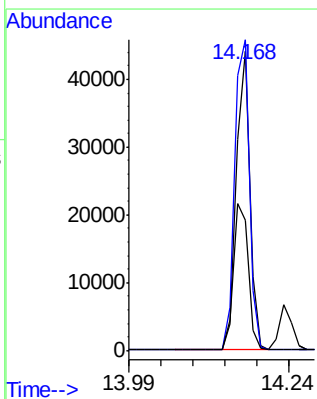
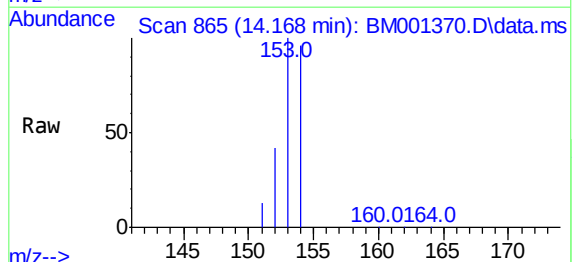
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

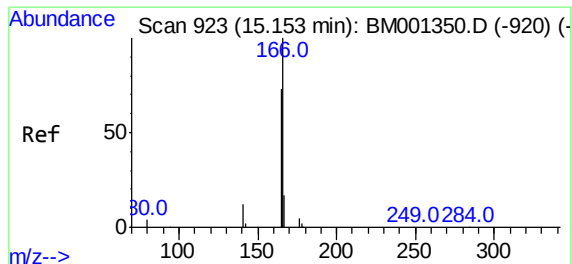
Tgt Ion:152 Resp: 113189
Ion Ratio Lower Upper
152 100
151 19.0 15.3 22.9
153 12.9 10.3 15.5



#16
Acenaphthene
Concen: 8.22 ng
RT: 14.168 min Scan# 865
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:154 Resp: 65827
Ion Ratio Lower Upper
154 100
153 112.4 90.6 135.8
152 53.6 43.6 65.4

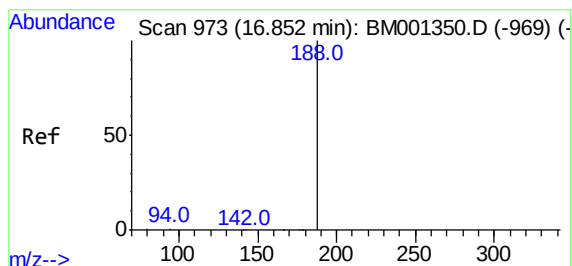
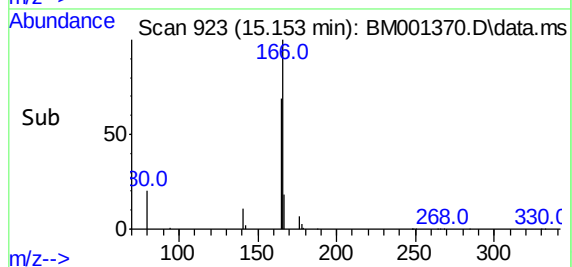
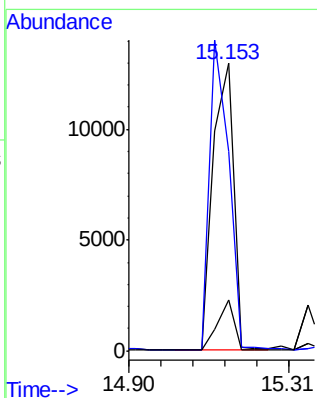
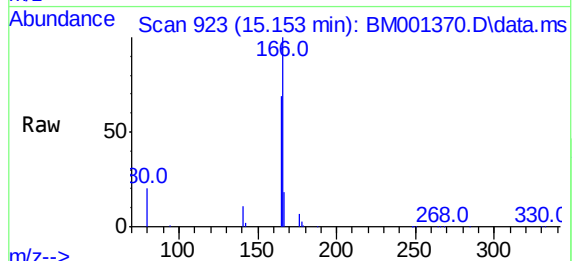




#17
Fluorene
Concen: 7.36 ng
RT: 15.153 min Scan# 923
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

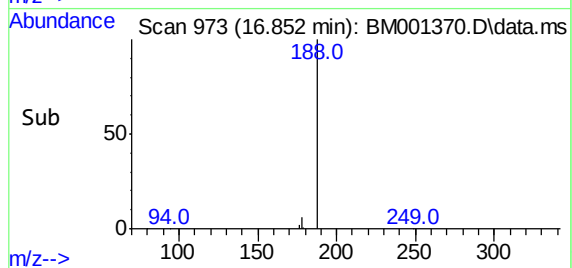
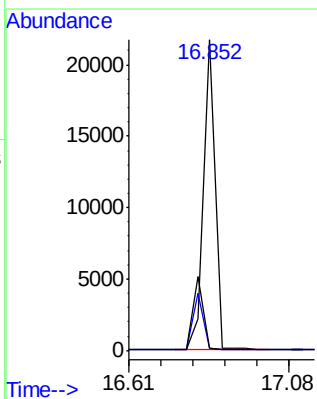
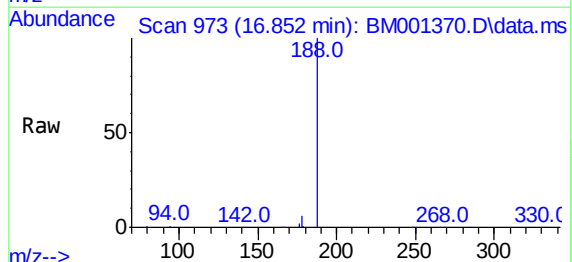
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

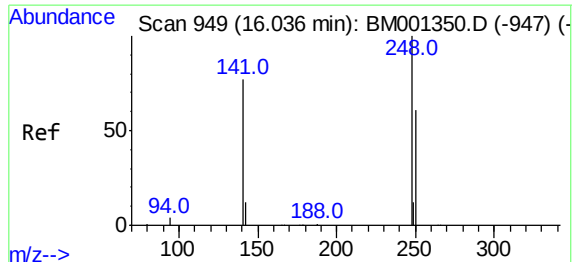
Tgt Ion:166 Resp: 47166
Ion Ratio Lower Upper
166 100
165 0.0 72.5 108.7#
167 14.5 16.0 24.0#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.852 min Scan# 973
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:188 Resp: 49407
Ion Ratio Lower Upper
188 100
94 0.7 0.6 1.0
80 0.6 0.6 0.8

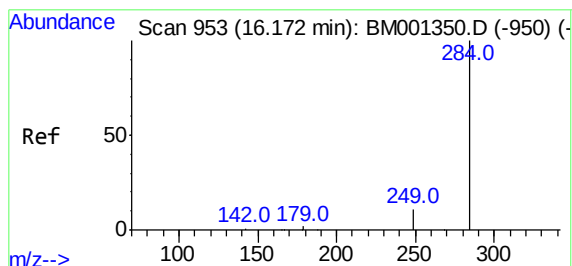
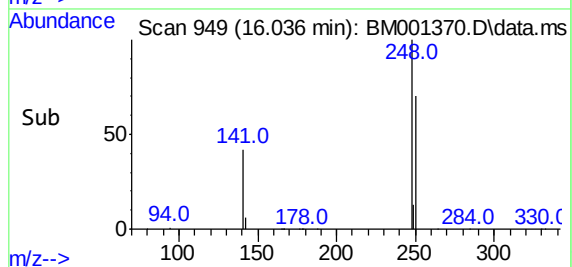
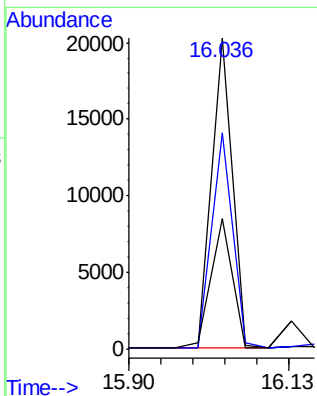
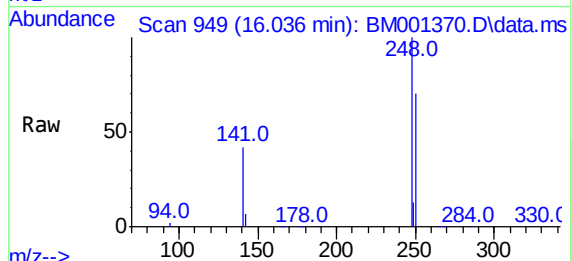




#19
4-Bromophenyl-phenylether
Concen: 15.67 ng
RT: 16.036 min Scan# 949
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

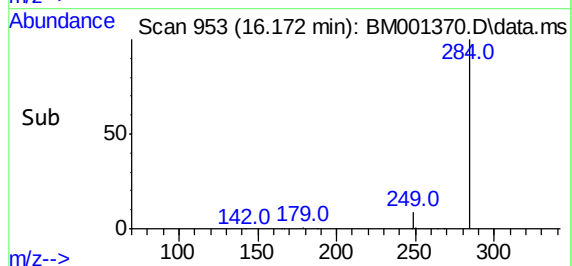
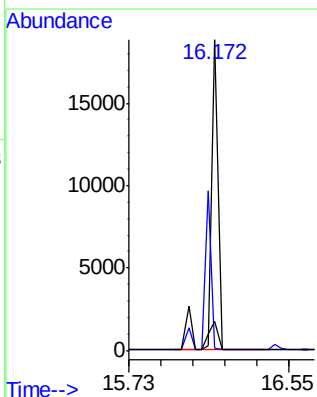
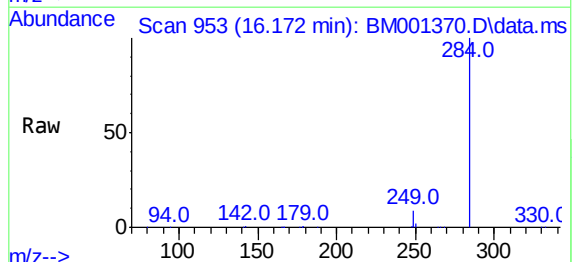
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

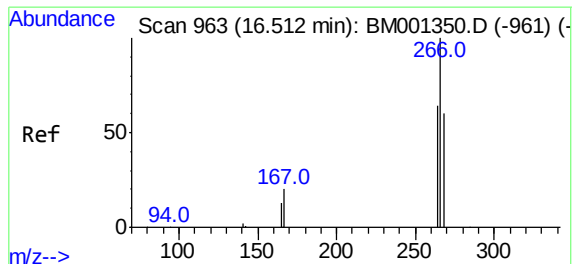
Tgt Ion:248 Resp: 41626
Ion Ratio Lower Upper
248 100
250 71.2 51.5 77.3
141 43.3 59.0 88.6#



#20
Hexachlorobenzene
Concen: 10.67 ng
RT: 16.172 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:284 Resp: 38929
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 14.0 11.1 16.7

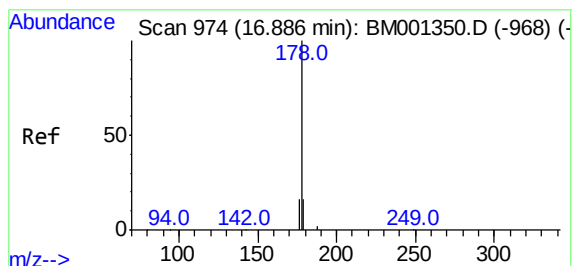
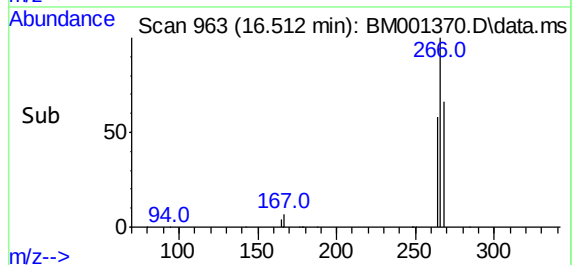
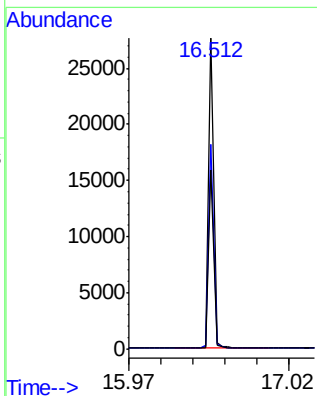
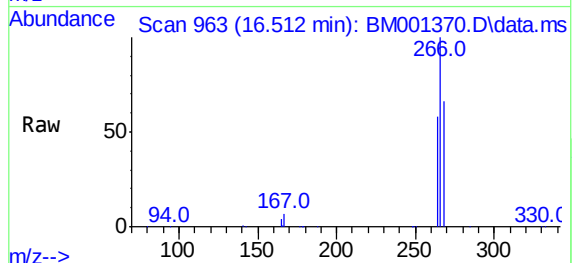




#21
Pentachlorophenol
Concen: 27.77 ng
RT: 16.512 min Scan# 963
Delta R.T. 0.001 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

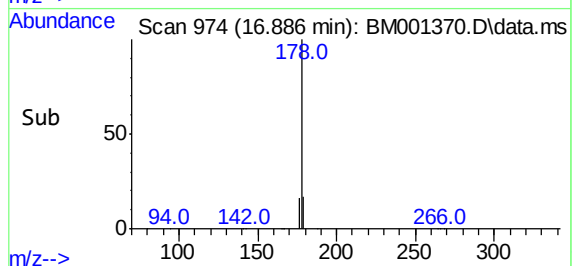
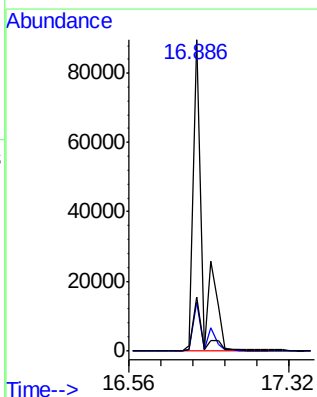
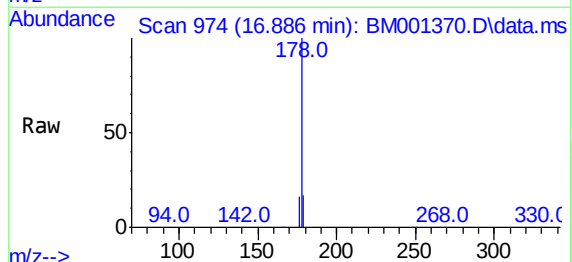
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

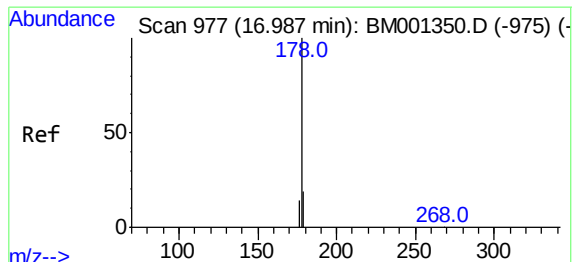
Tgt Ion:266 Resp: 58971
Ion Ratio Lower Upper
266 100
268 65.8 51.2 76.8
264 57.7 53.7 80.5



#22
Phenanthrene
Concen: 15.36 ng
RT: 16.886 min Scan# 974
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:178 Resp: 266811
Ion Ratio Lower Upper
178 100
176 17.3 16.6 25.0
179 16.5 12.8 19.2

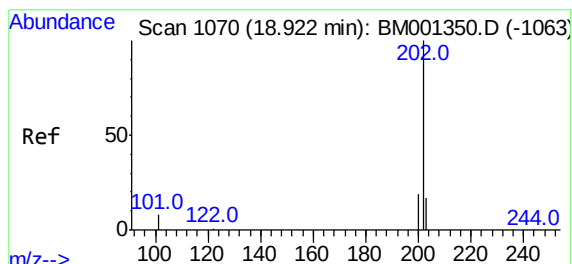
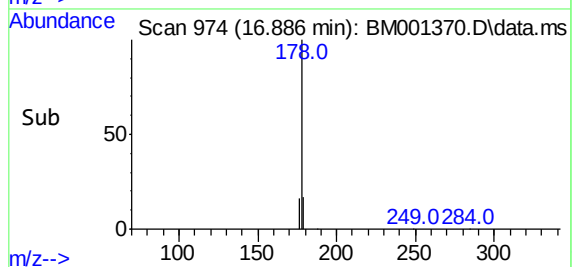
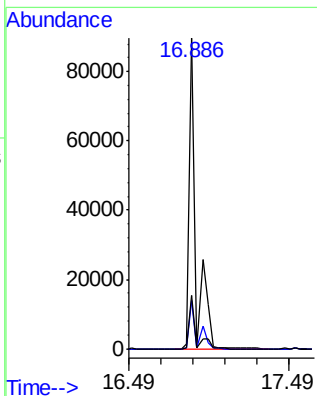
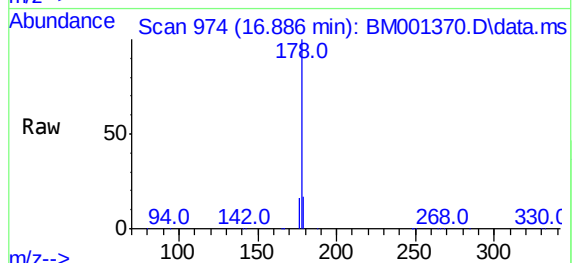




#23
 Anthracene
 Concen: 39.73 ng
 RT: 16.886 min Scan# 974
 Delta R.T. -0.102 min
 Lab File: BM001370.D
 Acq: 21 May 2015 21:43

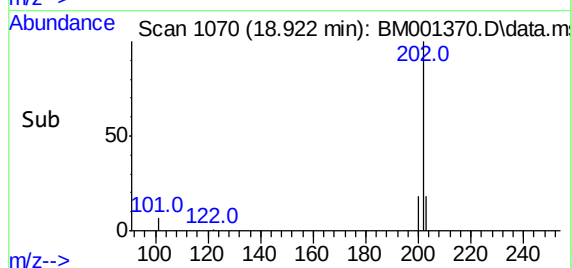
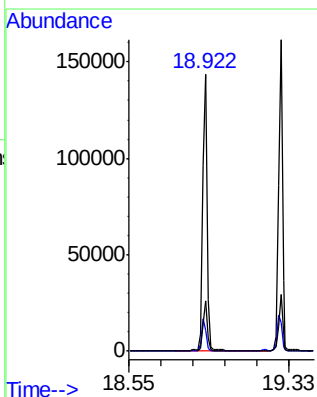
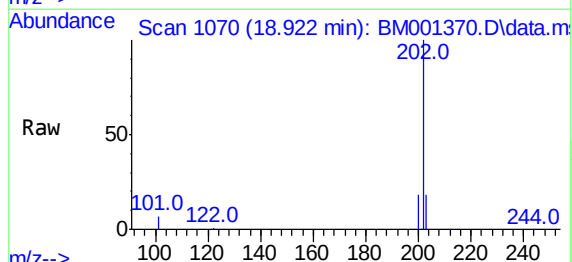
Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MSD

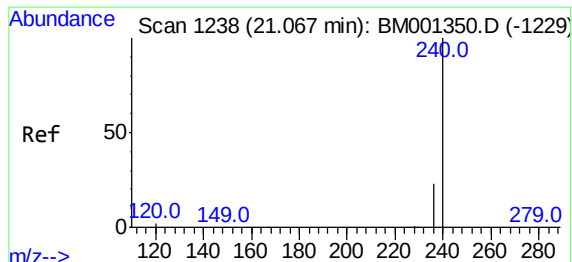
Tgt Ion:178 Resp: 267126
 Ion Ratio Lower Upper
 178 100
 176 17.3 46.1 69.1#
 179 16.5 35.4 53.0#



#24
 Fluoranthene
 Concen: 13.66 ng
 RT: 18.922 min Scan# 1070
 Delta R.T. 0.000 min
 Lab File: BM001370.D
 Acq: 21 May 2015 21:43

Tgt Ion:202 Resp: 203325
 Ion Ratio Lower Upper
 202 100
 101 11.3 8.7 13.1
 203 17.3 13.8 20.6

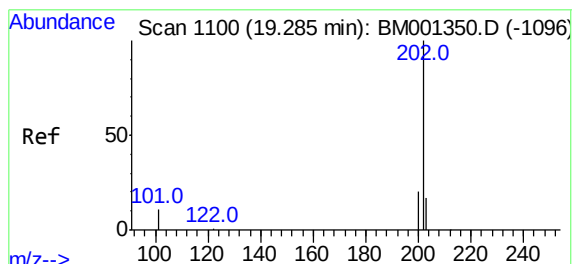
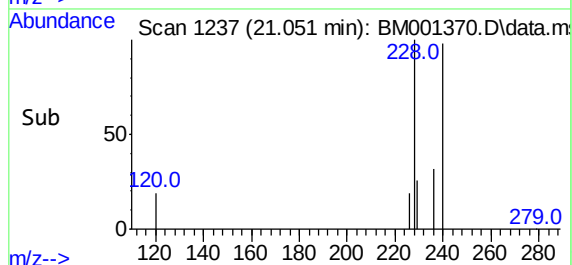
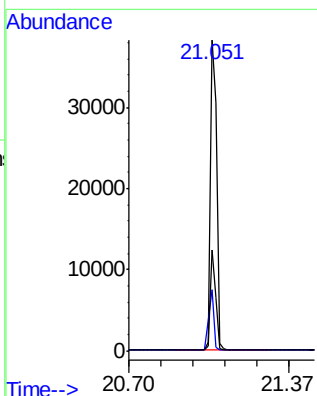
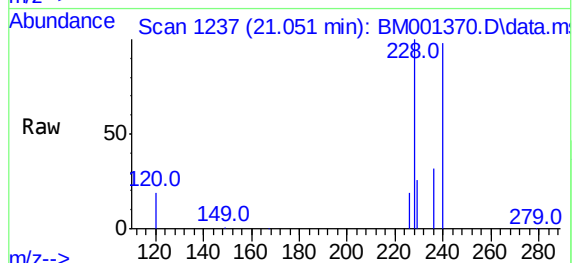




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.051 min Scan# 1237
Delta R.T. -0.015 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

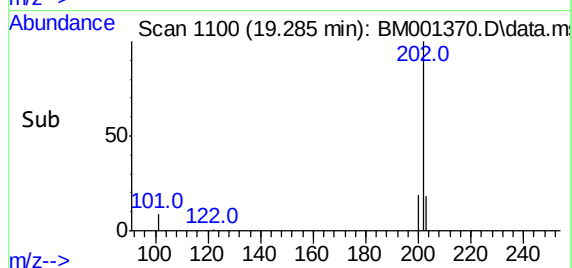
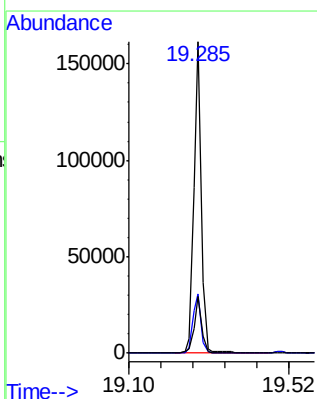
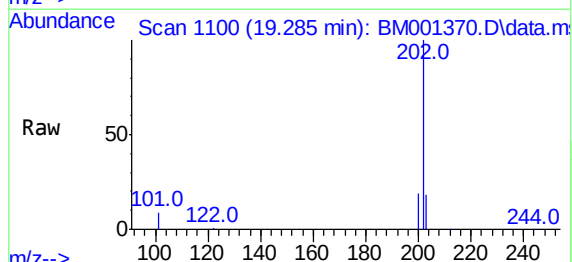
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

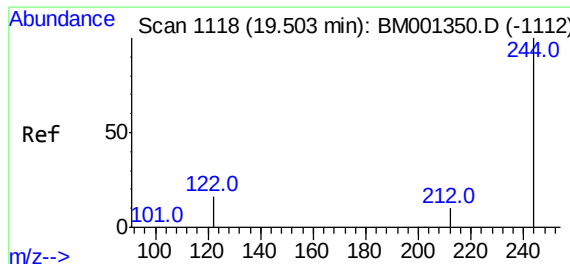
Tgt Ion:240 Resp: 66323
Ion Ratio Lower Upper
240 100
120 19.6 1.6 2.4#
236 32.5 18.5 27.7#



#26
Pyrene
Concen: 10.54 ng
RT: 19.285 min Scan# 1100
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:202 Resp: 213638
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.4
203 17.9 13.9 20.9

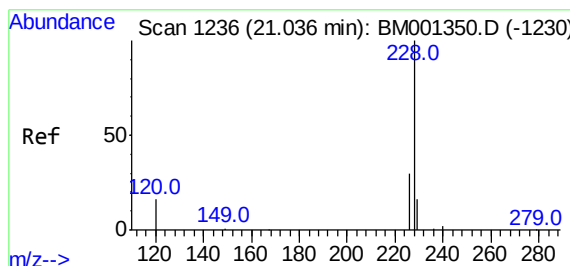
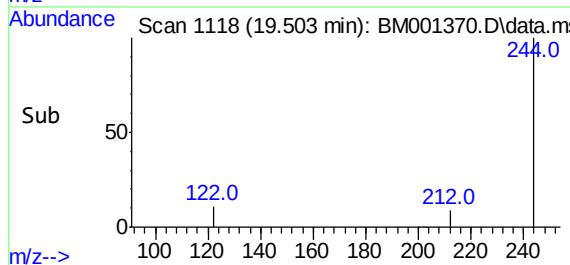
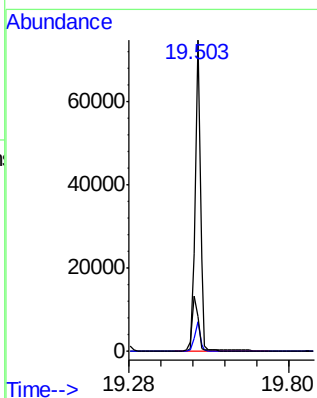
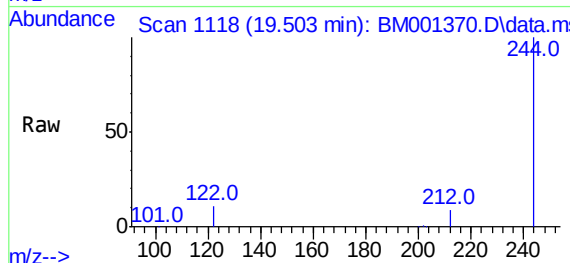




#27
 Terphenyl-d14
 Concen: 10.21 ng
 RT: 19.503 min Scan# 1118
 Delta R.T. -0.000 min
 Lab File: BM001370.D
 Acq: 21 May 2015 21:43

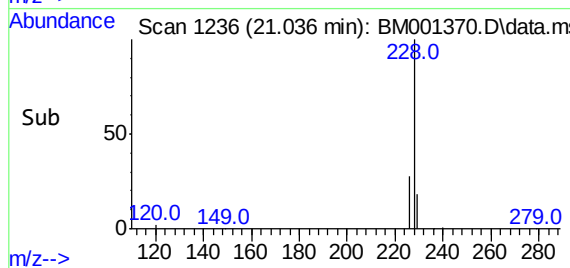
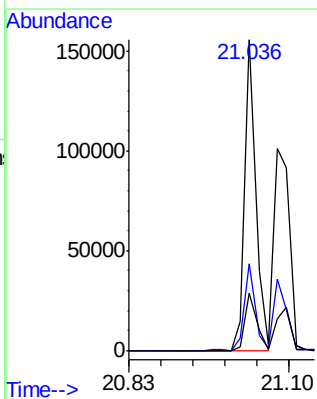
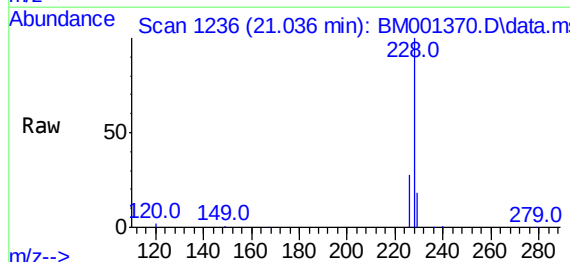
Instrument :
 BNA_M
 ClientSampleId :
 KY024MW068-150512MSD

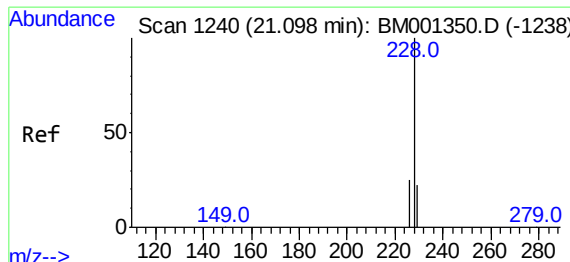
Tgt Ion:	244	Resp:	89056
Ion	Ratio	Lower	Upper
244	100		
212	9.4	8.5	12.7
122	11.0	13.4	20.2



#28
 Benzo(a)anthracene
 Concen: 10.39 ng
 RT: 21.036 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: BM001370.D
 Acq: 21 May 2015 21:43

Tgt Ion:	228	Resp:	197089
Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.5	36.7
229	18.3	13.3	19.9





#29

Chrysene

Concen: 10.85 ng

RT: 21.036 min Scan# 1236

Delta R.T. -0.062 min

Lab File: BM001370.D

Acq: 21 May 2015 21:43

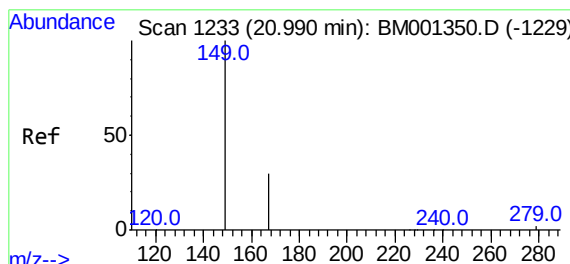
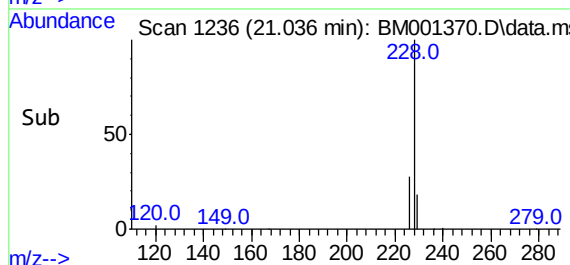
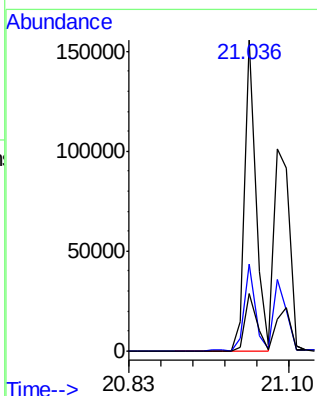
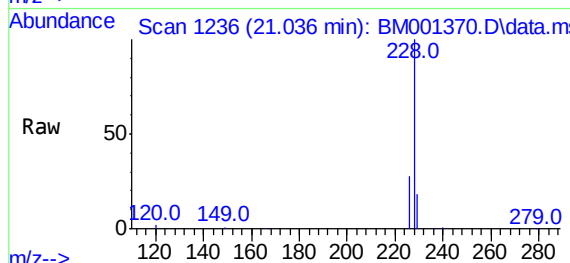
Tgt Ion:228 Resp: 197089

Ion Ratio Lower Upper

228 100

226 27.9 20.0 30.0

229 18.3 17.6 26.4



#30

Bis(2-ethylhexyl)phthalate

Concen: 11.14 ng

RT: 20.990 min Scan# 1233

Delta R.T. 0.001 min

Lab File: BM001370.D

Acq: 21 May 2015 21:43

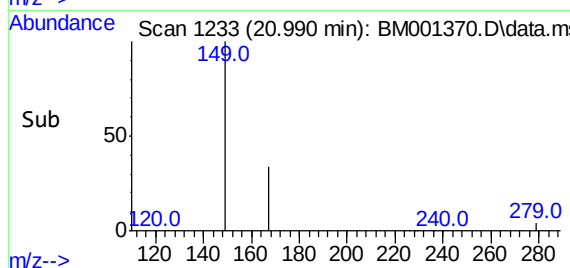
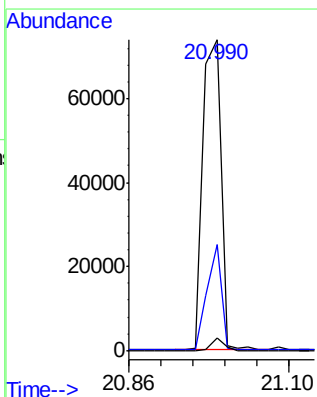
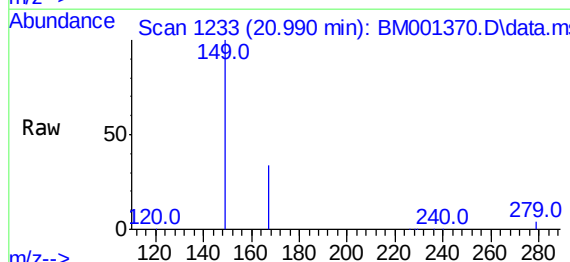
Tgt Ion:149 Resp: 134231

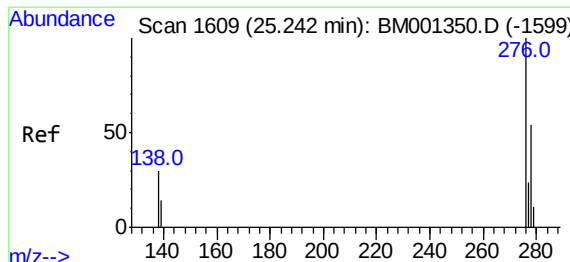
Ion Ratio Lower Upper

149 100

167 27.0 21.6 32.4

279 2.6 1.9 2.9

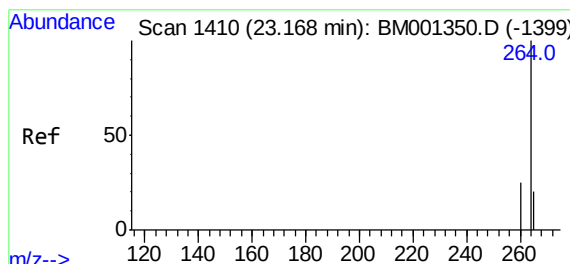
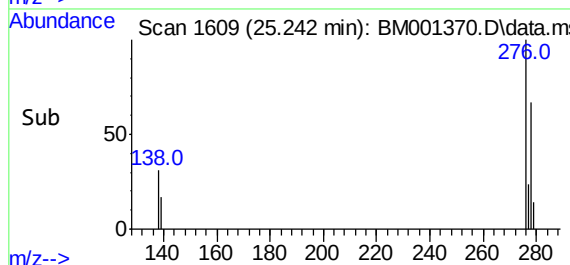
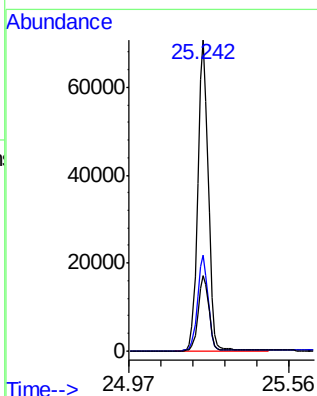
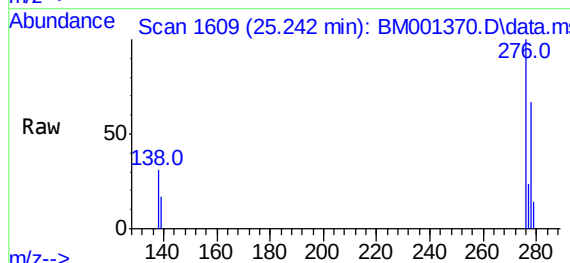




#31
Indeno(1,2,3-cd)pyrene
Concen: 9.71 ng
RT: 25.242 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

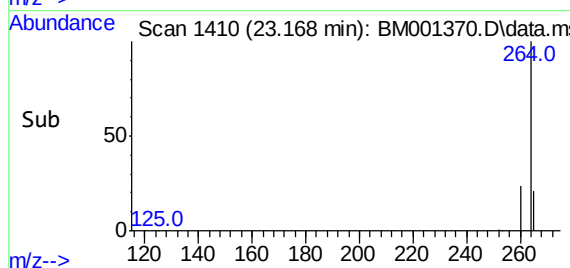
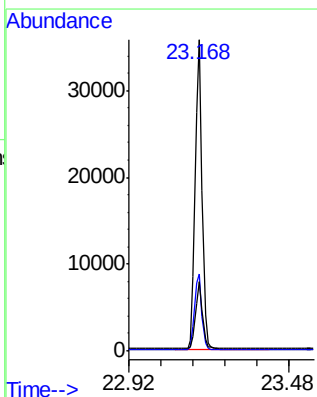
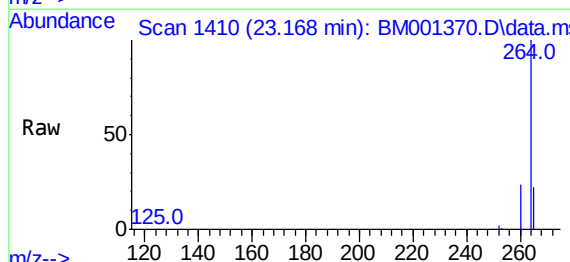
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

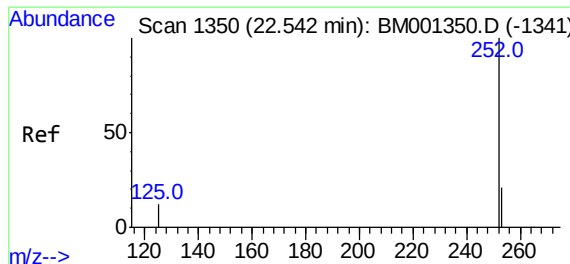
Tgt Ion:276 Resp: 189966
Ion Ratio Lower Upper
276 100
138 31.0 24.2 36.4
277 24.5 19.7 29.5



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.168 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:264 Resp: 60990
Ion Ratio Lower Upper
264 100
260 24.5 20.4 30.6
265 22.2 16.6 24.8





#33

Benzo(b)fluoranthene

Concen: 11.22 ng

RT: 22.542 min Scan# 1350

Delta R.T. -0.000 min

Lab File: BM001370.D

Acq: 21 May 2015 21:43

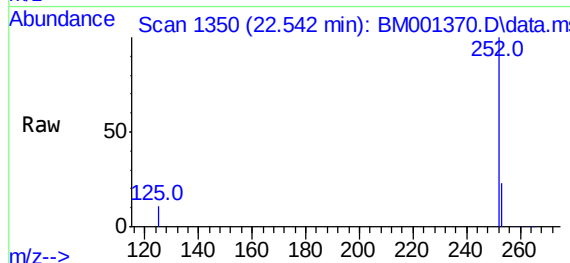
Tgt Ion:252 Resp: 210851

Ion Ratio Lower Upper

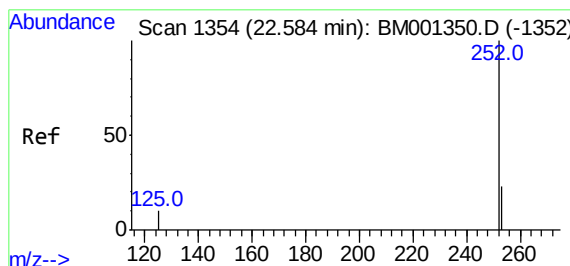
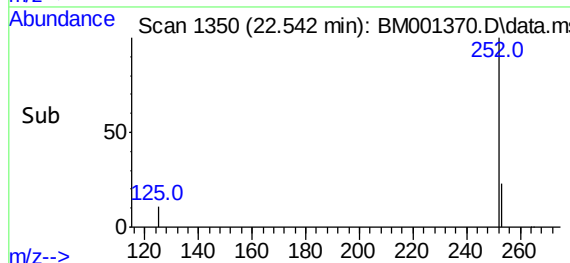
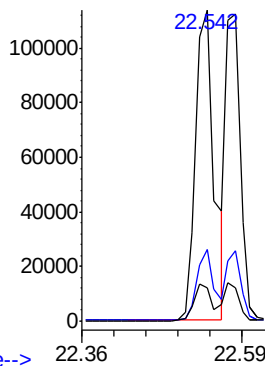
252 100

253 23.0 17.9 26.9

125 10.8 9.8 14.8



Abundance



#34

Benzo(k)fluoranthene

Concen: 10.09 ng

RT: 22.584 min Scan# 1354

Delta R.T. -0.000 min

Lab File: BM001370.D

Acq: 21 May 2015 21:43

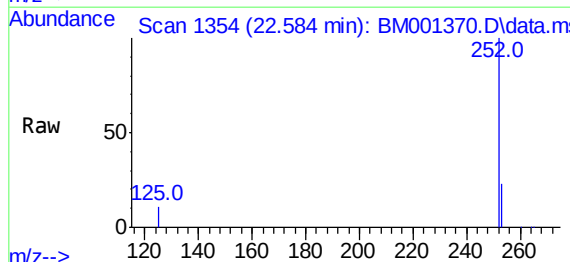
Tgt Ion:252 Resp: 166981

Ion Ratio Lower Upper

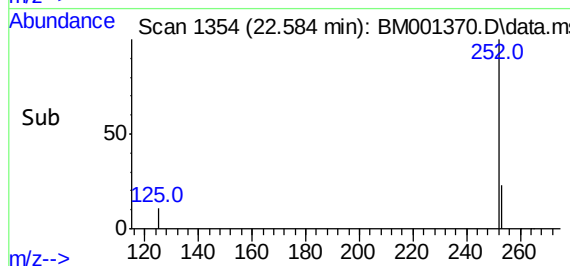
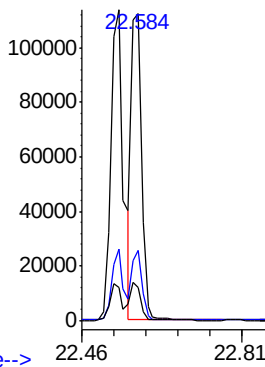
252 100

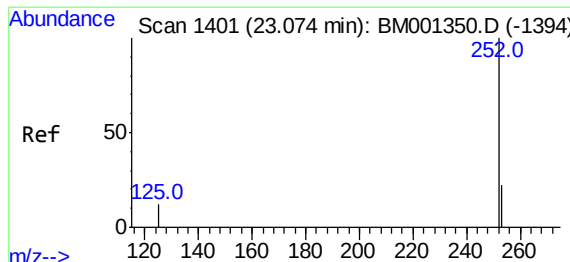
253 22.8 18.6 28.0

125 10.6 9.3 13.9



Abundance

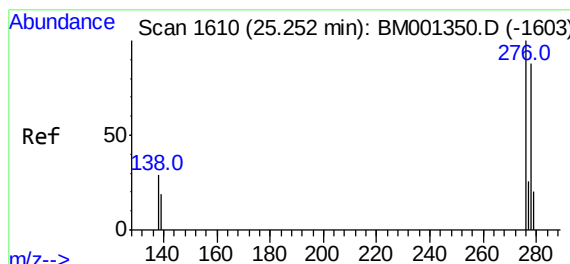
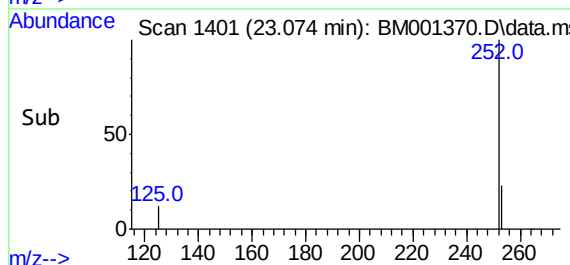
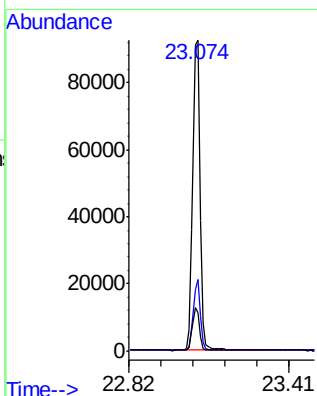
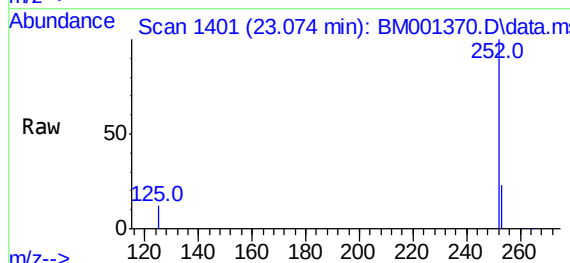




#35
Benzo(a)pyrene
Concen: 10.93 ng
RT: 23.074 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

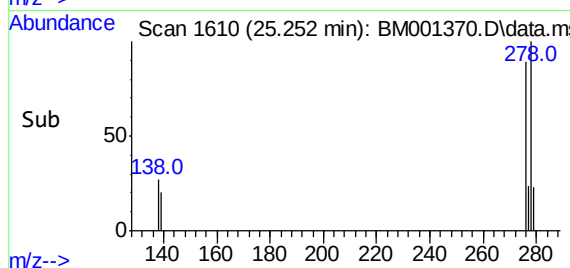
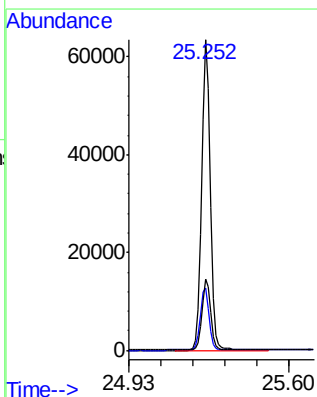
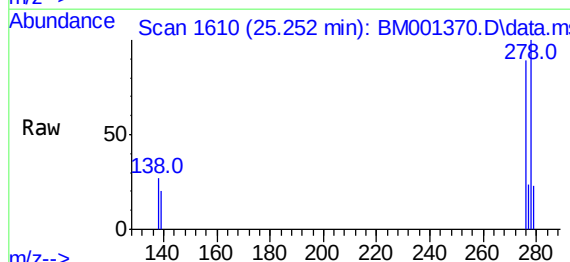
Instrument :
BNA_M
ClientSampleId :
KY024MW068-150512MSD

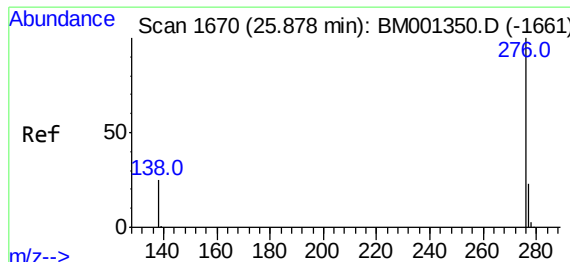
Tgt Ion:252 Resp: 174694
Ion Ratio Lower Upper
252 100
253 22.9 18.9 28.3
125 12.1 10.6 15.8



#36
Dibenzo(a,h)anthracene
Concen: 10.48 ng
RT: 25.252 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM001370.D
Acq: 21 May 2015 21:43

Tgt Ion:278 Resp: 153973
Ion Ratio Lower Upper
278 100
139 20.0 17.5 26.3
279 22.9 18.7 28.1





#37

Benzo(g,h,i)perylene

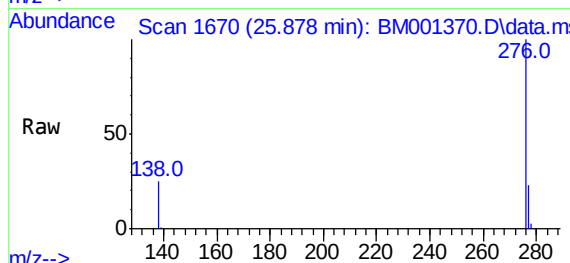
Concen: 10.02 ng

RT: 25.878 min Scan# 1670

Delta R.T. -0.000 min

Lab File: BM001370.D

Acq: 21 May 2015 21:43



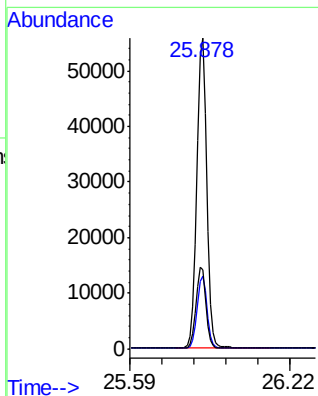
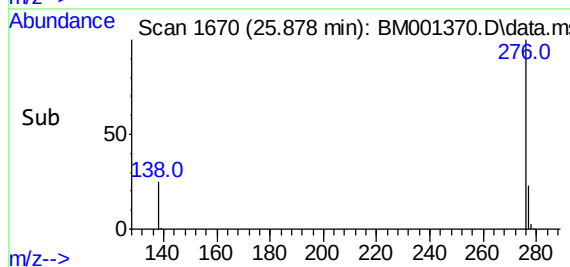
Tgt Ion: 276 Resp: 158086

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 25.2 20.2 30.4



Instrument :

BNA_M

ClientSampleId :

KY024MW068-150512MSD