

Data Path : Z:\HPCHEM1\BNA_M\Data\BM052015\
 Data File : BM001375.D
 Acq On : 22 May 2015 00:42
 Operator : TP/IZ
 Sample : G2255-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-150512

Quant Time: May 22 06:58:15 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

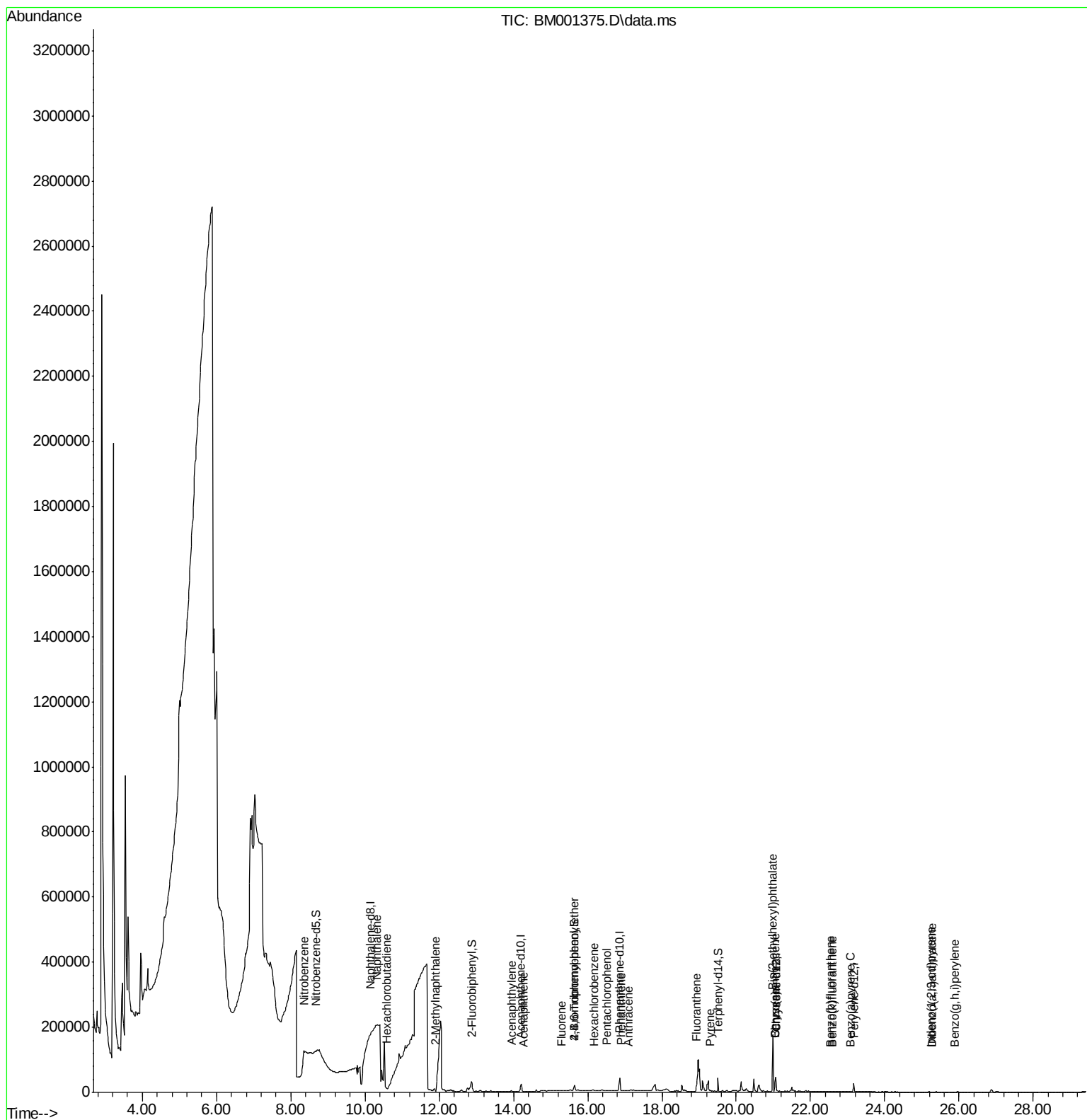
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.00	ng	-7.43
6) Naphthalene-d8	10.148	136	7039	5.00	ng	#-0.05
12) Acenaphthene-d10	14.199	164	25551	5.00	ng	0.09
18) Phenanthrene-d10	16.859	188	79423	5.00	ng	# 0.00
25) Chrysene-d12	21.064	240	39221	5.00	ng	# 0.00
32) Perylene-d12	23.165	264	33209	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.067	112	9792	0.00	ng	0.05
5) Phenol-d6	6.567	99	1353	0.00	ng	-0.05
7) Nitrobenzene-d5	8.669	82	12844	33.83	ng	0.08
13) 2,4,6-Tribromophenol	15.636	330	10139	9.55	ng	0.04
14) 2-Fluorobiphenyl	12.872	172	73966	9.71	ng	0.15
27) Terphenyl-d14	19.513	244	50758	9.84	ng	0.00
Target Compounds						
8) Nitrobenzene	8.357	77	233802	485.35	ng	# 49
9) Naphthalene	10.319	128	44568	29.67	ng	# 4
10) Hexachlorobutadiene	10.576	225	83	0.29	ng	# 19
11) 2-Methylnaphthalene	11.893	142	834	0.78	ng	# 1
15) Acenaphthylene	13.945	152	5234	0.49	ng	# 33
16) Acenaphthene	14.272	154	516	0.08	ng	# 76
17) Fluorene	15.296	166	752	0.14	ng	# 14
19) 4-Bromophenyl-phenylether	15.636	248	1684	0.38	ng	# 1
20) Hexachlorobenzene	16.179	284	183	0.03	ng	# 1
21) Pentachlorophenol	16.519	266	88	0.42	ng	# 57
22) Phenanthrene	16.893	178	1777	0.06	ng	# 60
23) Anthracene	17.096	178	503	0.05	ng	# 26
24) Fluoranthene	18.919	202	5022	0.21	ng	# 76
26) Pyrene	19.283	202	462	0.04	ng	# 58
28) Benzo(a)anthracene	21.049	228	710	0.06	ng	# 13
29) Chrysene	21.049	228	691	0.06	ng	# 6
30) Bis(2-ethylhexyl)phtha...	20.987	149	160072	22.26	ng	99
31) Indeno(1,2,3-cd)pyrene	25.239	276	452	0.04	ng	# 66
33) Benzo(b)fluoranthene	22.539	252	479	0.05	ng	# 1
34) Benzo(k)fluoranthene	22.581	252	244	0.03	ng	# 1
35) Benzo(a)pyrene	23.071	252	324	0.04	ng	# 1
36) Dibenzo(a,h)anthracene	25.260	278	233	0.03	ng	# 1
37) Benzo(g,h,i)perylene	25.886	276	286	0.03	ng	# 1

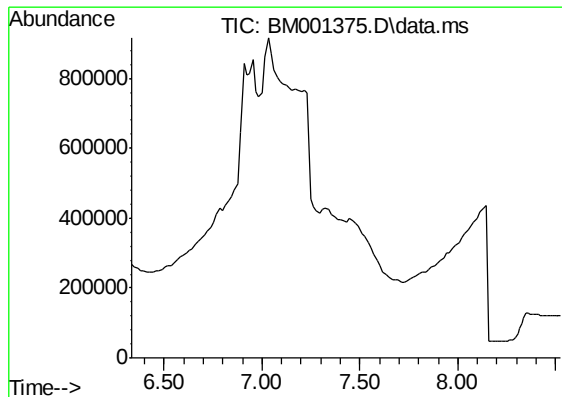
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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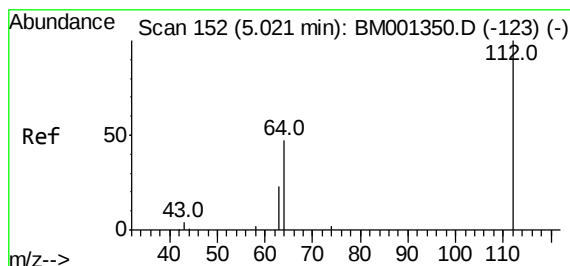
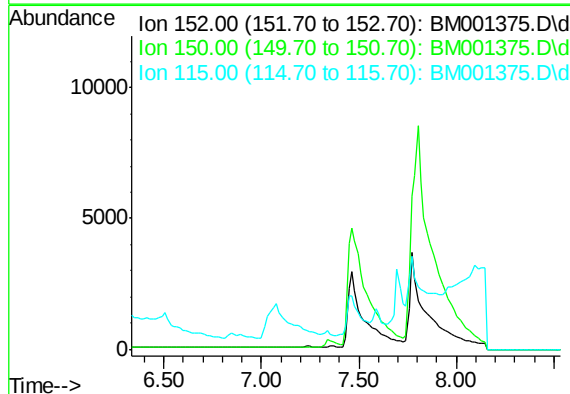
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.00 ng
 Expected RT: 7.43 min

Lab File: BM001375.D
 Acq: 22 May 2015 00:42

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	142.6
115	49.0

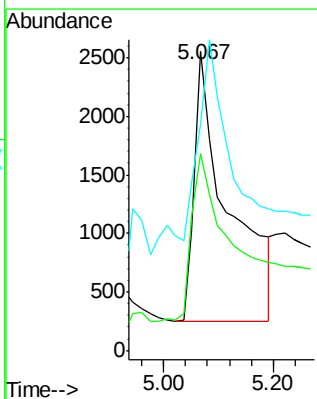
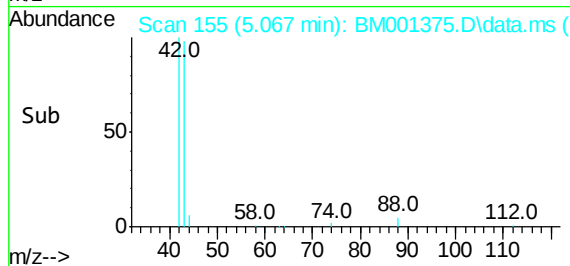
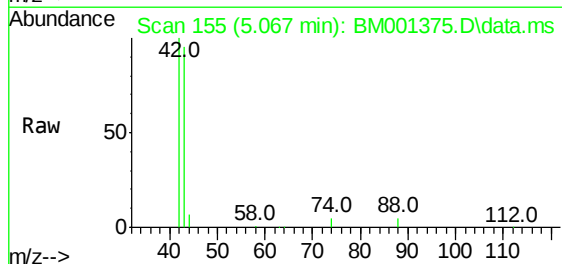
Instrument :
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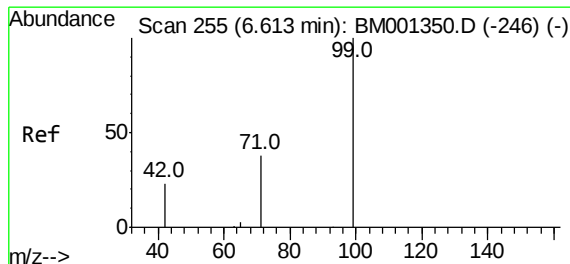


#4
 2-Fluorophenol
 Concen: 0.00 ng
 RT: 5.067 min Scan# 155
 Delta R.T. 0.047 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

Tgt Ion: 112 Resp: 9792

Ion	Ratio	Lower	Upper
112	100		
64	129.0	52.9	79.3#
63	83.2	29.6	44.4#

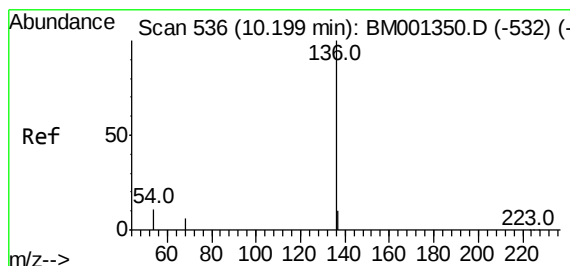
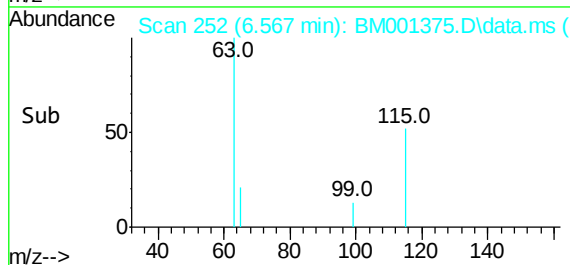
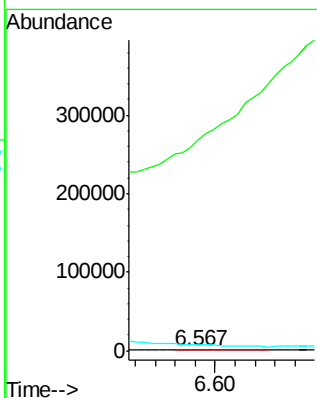
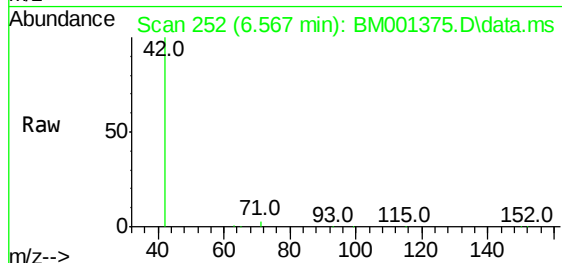




#5
Phenol-d6
Concen: 0.00 ng
RT: 6.567 min Scan# 252
Delta R.T. -0.046 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

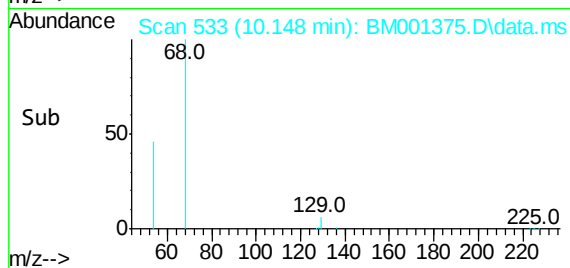
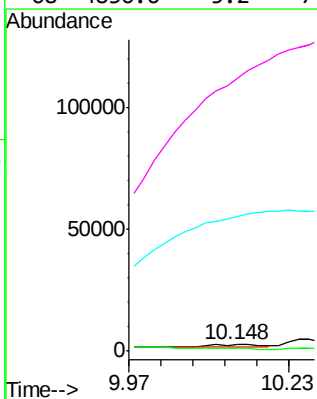
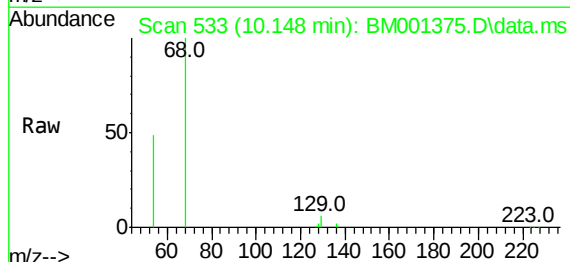
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

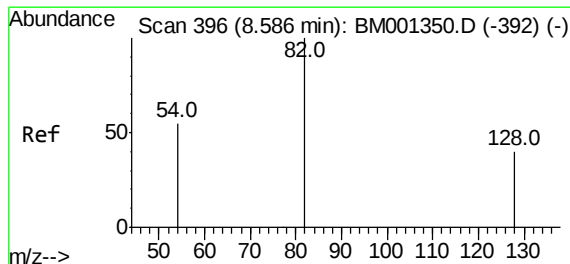
Tgt Ion: 99 Resp: 1353
Ion Ratio Lower Upper
99 100
42 0.0 21.4 32.2#
71 0.0 29.0 43.4#



#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.148 min Scan# 533
Delta R.T. -0.051 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion: 136 Resp: 7039
Ion Ratio Lower Upper
136 100
137 33.2 8.2 12.4#
54 2387.6 9.4 14.0#
68 4836.6 5.2 7.8#

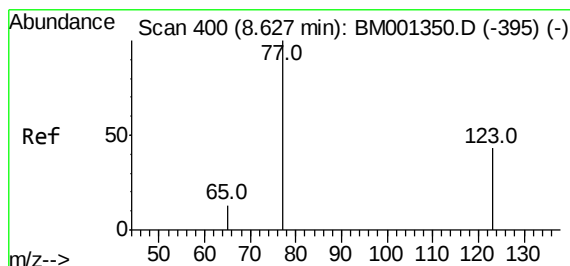
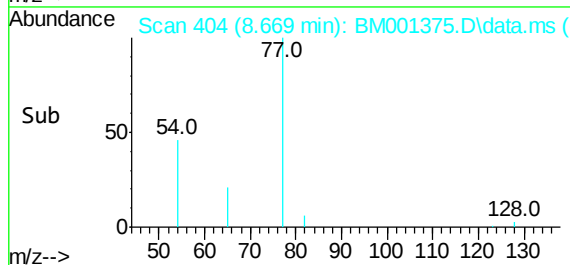
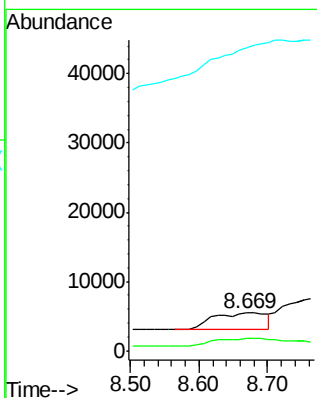
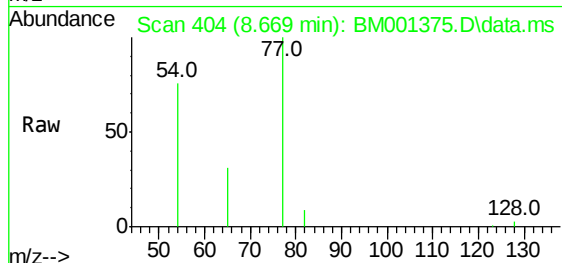




#7
Nitrobenzene-d5
Concen: 33.83 ng
RT: 8.669 min Scan# 404
Delta R.T. 0.084 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

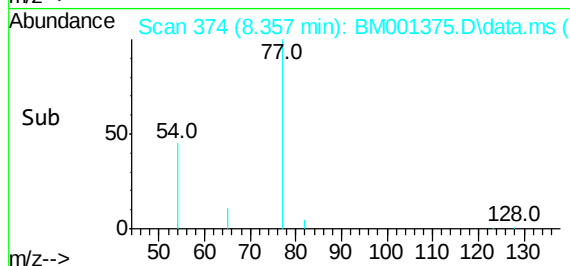
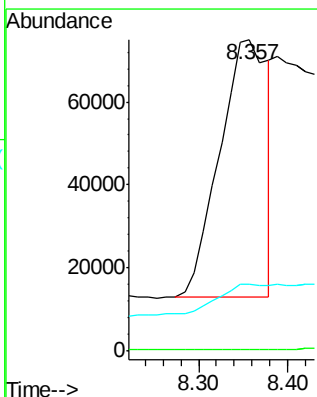
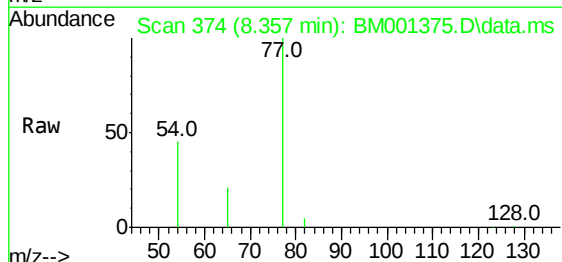
Instrument :
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ClientSampleId :
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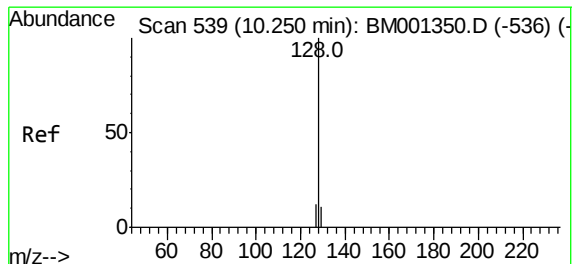
Tgt Ion: 82 Resp: 12844
Ion Ratio Lower Upper
82 100
128 31.4 33.5 50.3#
54 802.5 45.1 67.7#



#8
Nitrobenzene
Concen: 485.35 ng
RT: 8.357 min Scan# 374
Delta R.T. -0.270 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion: 77 Resp: 233802
Ion Ratio Lower Upper
77 100
123 0.0 33.6 50.4#
65 15.7 11.3 16.9

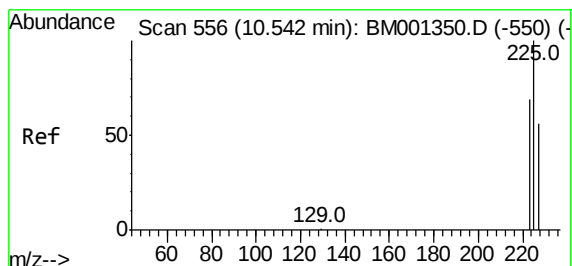
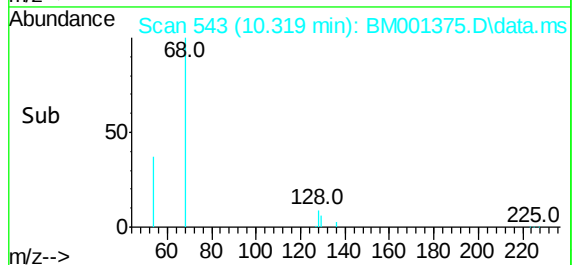
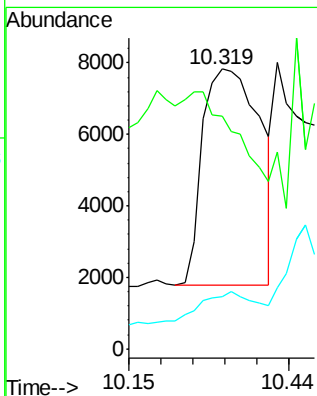
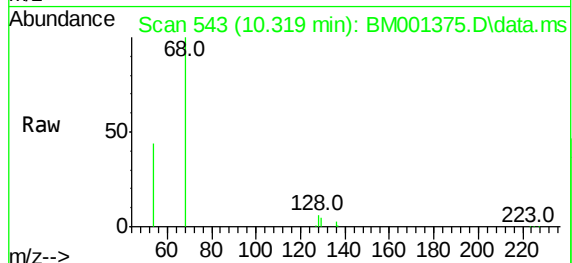




#9
Naphthalene
Concen: 29.67 ng
RT: 10.319 min Scan# 543
Delta R.T. 0.069 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

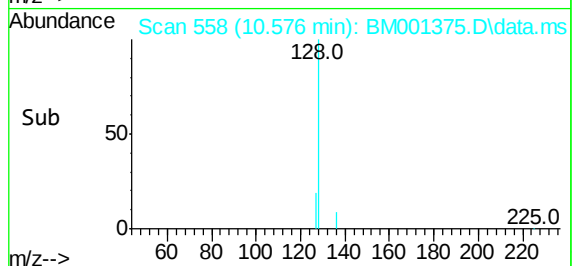
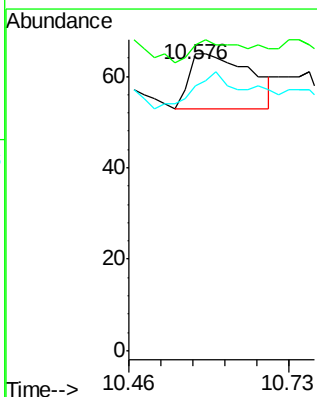
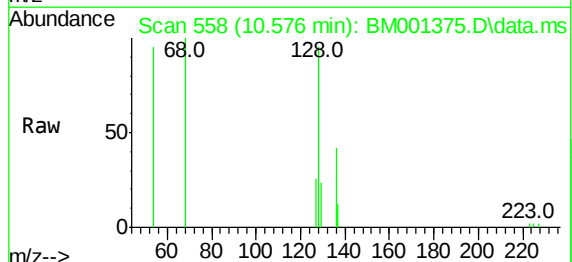
Instrument :
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ClientSampleId :
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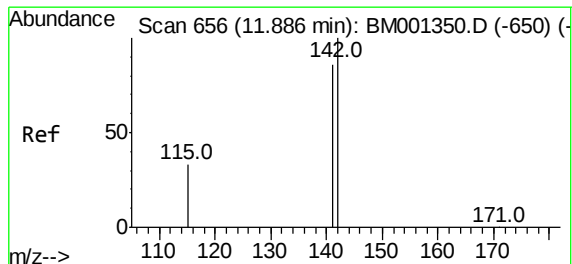
Tgt Ion:128 Resp: 44568
Ion Ratio Lower Upper
128 100
129 83.4 9.1 13.7#
127 18.8 10.4 15.6#



#10
Hexachlorobutadiene
Concen: 0.29 ng
RT: 10.576 min Scan# 558
Delta R.T. 0.035 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:225 Resp: 83
Ion Ratio Lower Upper
225 100
223 0.0 50.3 75.5#
227 0.0 50.6 75.8#

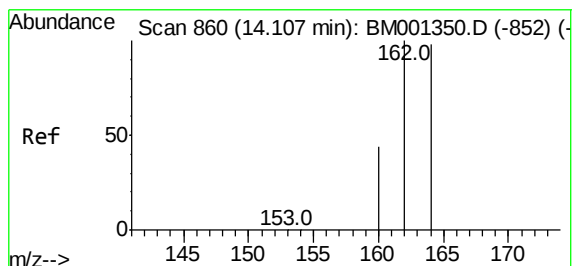
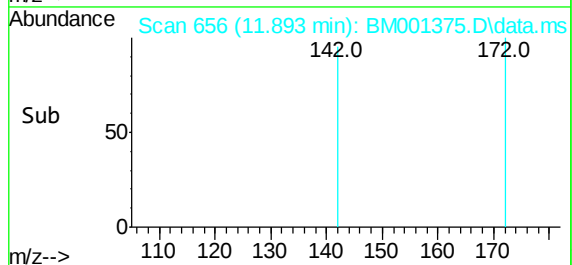
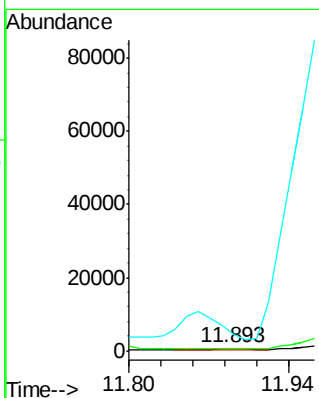
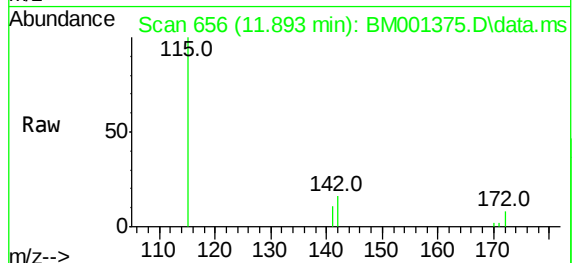




#11
2-Methylnaphthalene
Concen: 0.78 ng
RT: 11.893 min Scan# 656
Delta R.T. 0.007 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

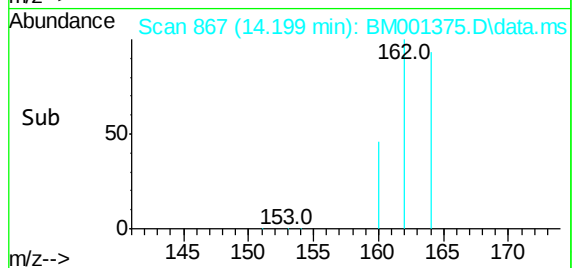
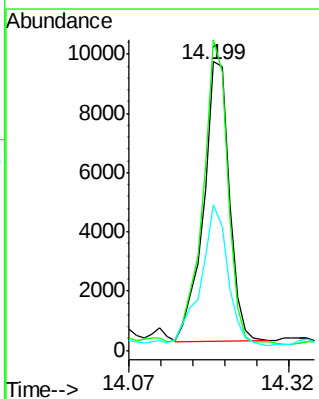
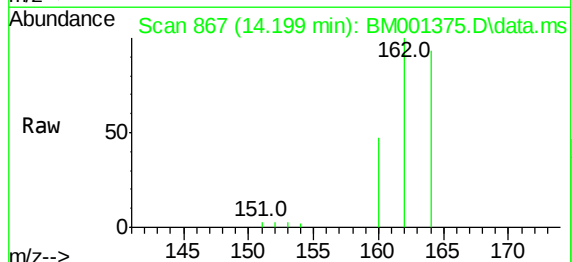
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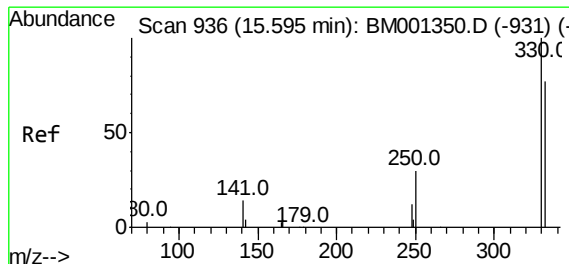
Tgt Ion:142 Resp: 834
Ion Ratio Lower Upper
142 100
141 67.0 69.0 103.4#
115 616.4 27.1 40.7#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.199 min Scan# 867
Delta R.T. 0.092 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

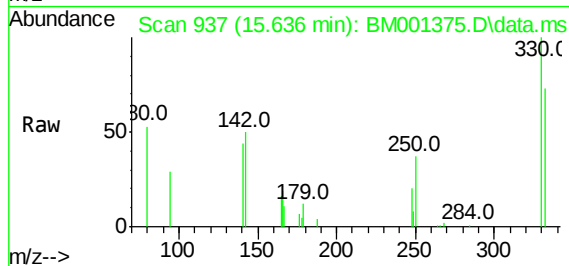
Tgt Ion:164 Resp: 25551
Ion Ratio Lower Upper
164 100
162 107.4 81.8 122.8
160 50.3 35.8 53.8





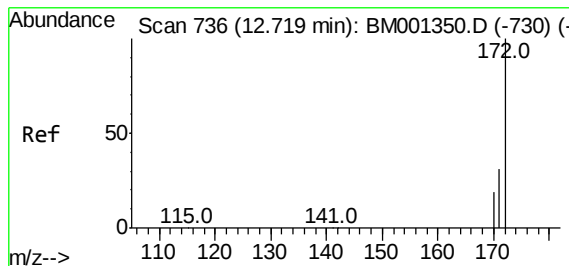
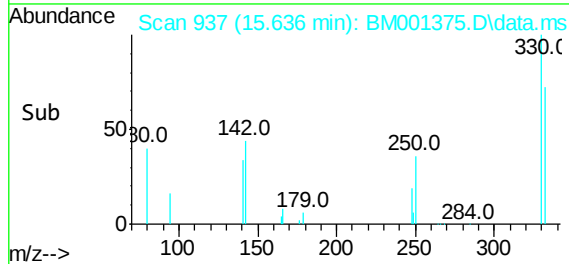
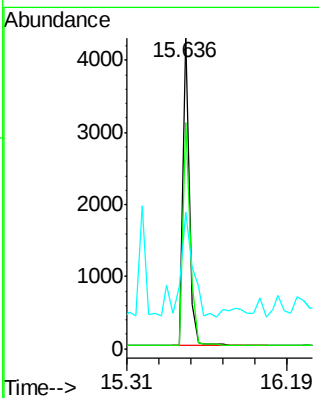
#13
 2,4,6-Tribromophenol
 Concen: 9.55 ng
 RT: 15.636 min Scan# 937
 Delta R.T. 0.042 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

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Tgt Ion: 330 Resp: 10139

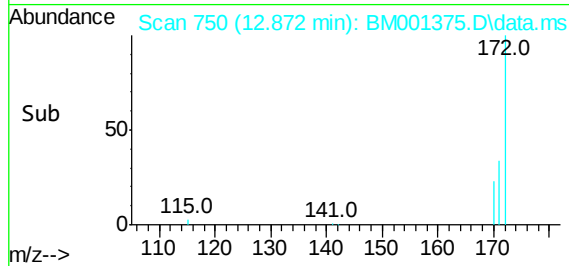
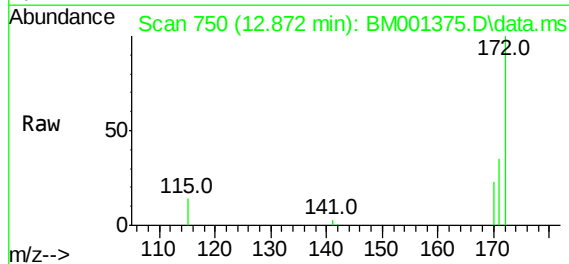
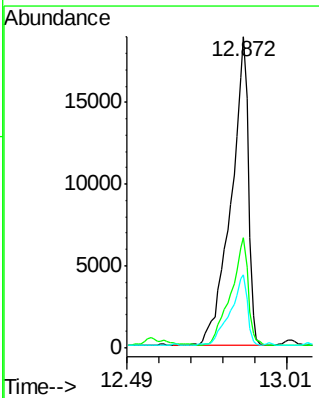
Ion	Ratio	Lower	Upper
330	100		
332	82.2	65.4	98.2
141	71.4	20.2	30.4

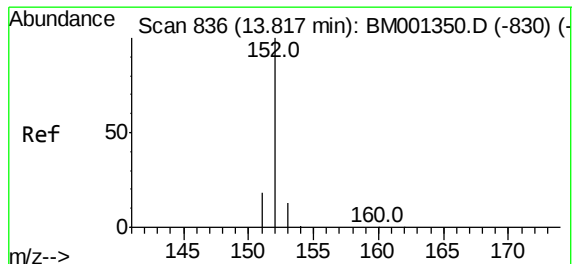


#14
 2-Fluorobiphenyl
 Concen: 9.71 ng
 RT: 12.872 min Scan# 750
 Delta R.T. 0.153 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

Tgt Ion: 172 Resp: 73966

Ion	Ratio	Lower	Upper
172	100		
171	35.2	25.4	38.2
170	23.3	15.7	23.5

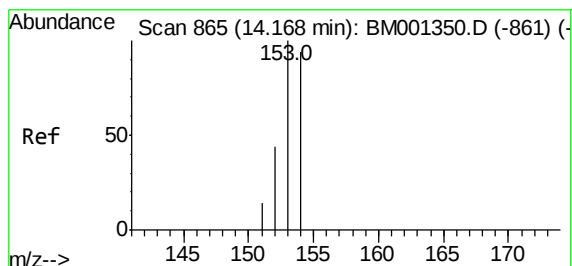
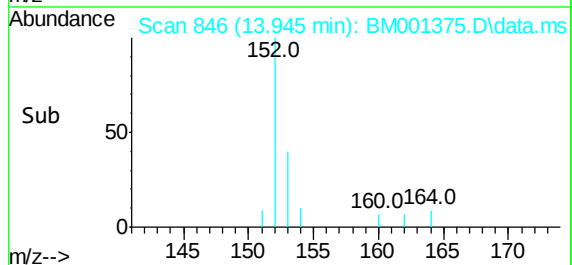
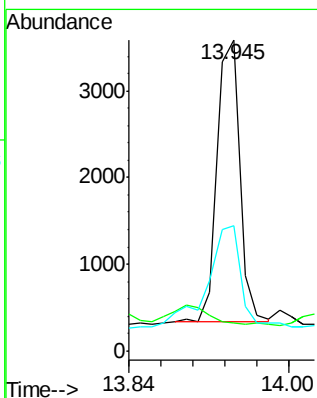
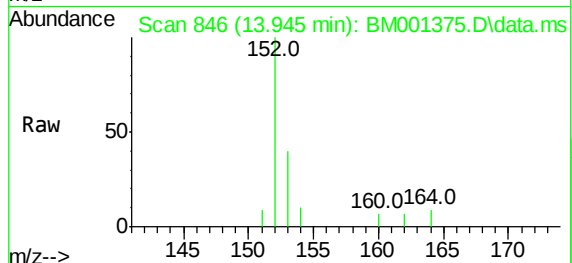




#15
Acenaphthylene
Concen: 0.49 ng
RT: 13.945 min Scan# 846
Delta R.T. 0.128 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

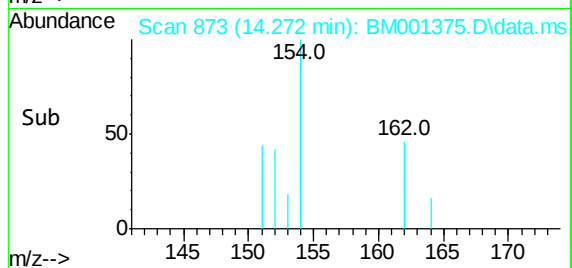
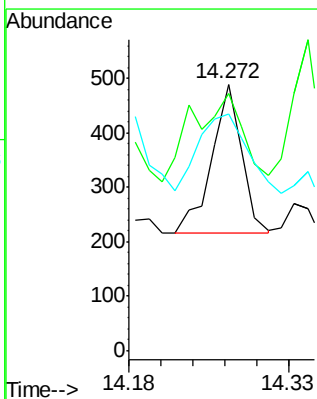
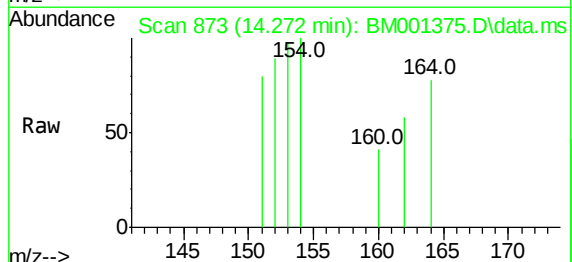
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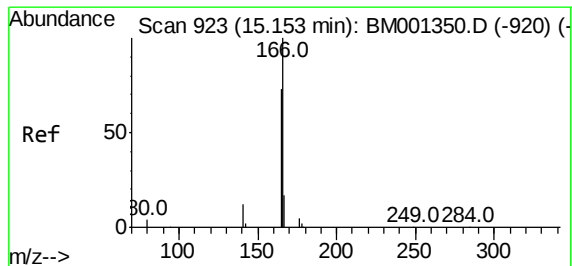
Tgt Ion:152 Resp: 5234
Ion Ratio Lower Upper
152 100
151 0.0 15.3 22.9#
153 54.3 10.3 15.5#



#16
Acenaphthene
Concen: 0.08 ng
RT: 14.272 min Scan# 873
Delta R.T. 0.104 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:154 Resp: 516
Ion Ratio Lower Upper
154 100
153 99.0 90.6 135.8
152 87.6 43.6 65.4#

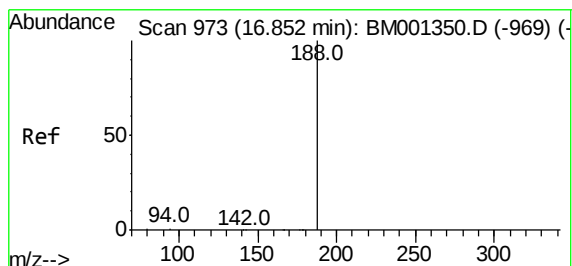
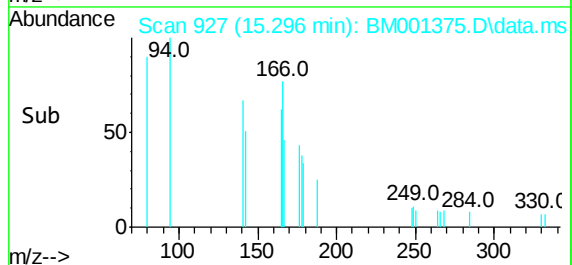
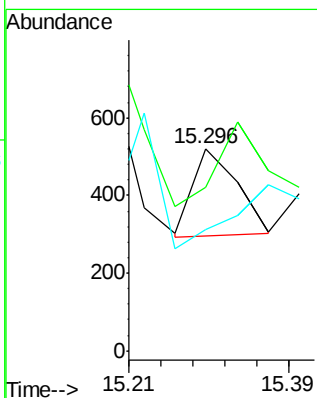
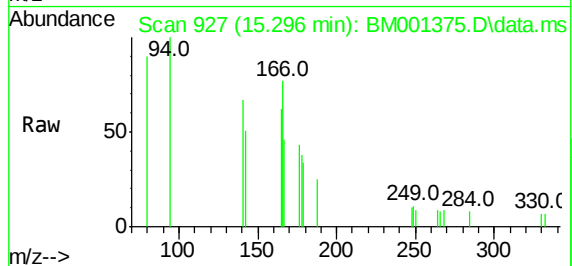




#17
Fluorene
Concen: 0.14 ng
RT: 15.296 min Scan# 927
Delta R.T. 0.143 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

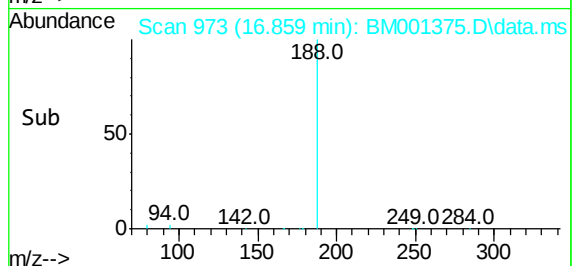
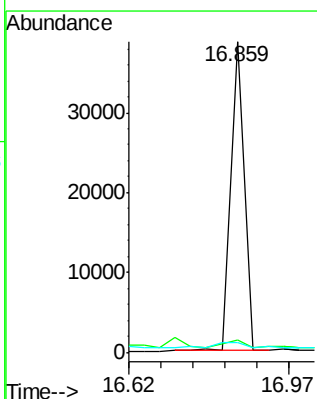
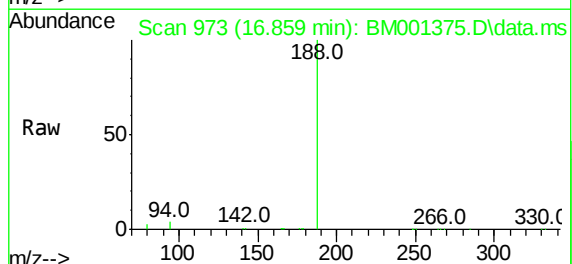
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

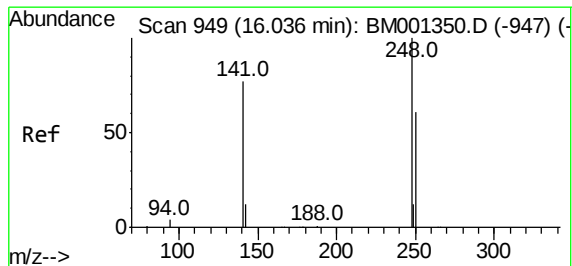
Tgt Ion:166 Resp: 752
Ion Ratio Lower Upper
166 100
165 0.0 72.5 108.7#
167 0.0 16.0 24.0#



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.859 min Scan# 973
Delta R.T. 0.007 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:188 Resp: 79423
Ion Ratio Lower Upper
188 100
94 4.0 0.6 1.0#
80 3.0 0.6 0.8#

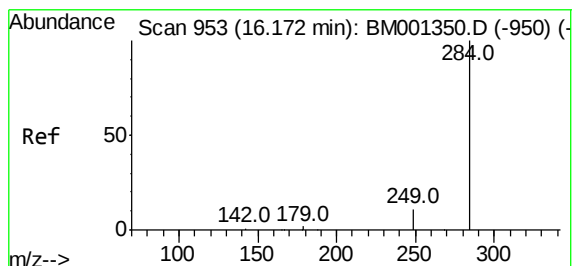
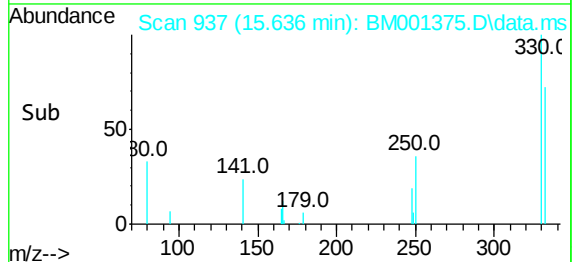
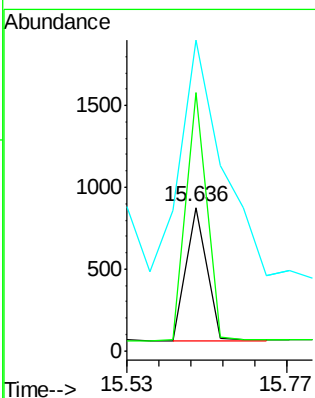
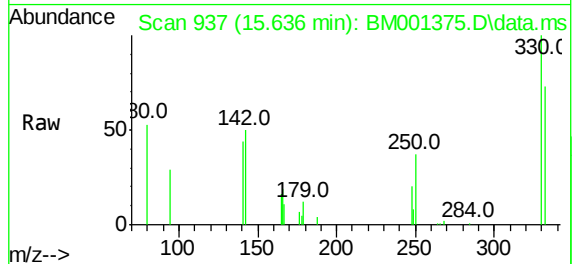




#19
4-Bromophenyl-phenylether
Concen: 0.38 ng
RT: 15.636 min Scan# 937
Delta R.T. -0.400 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

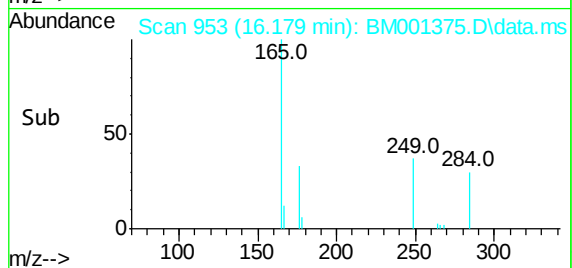
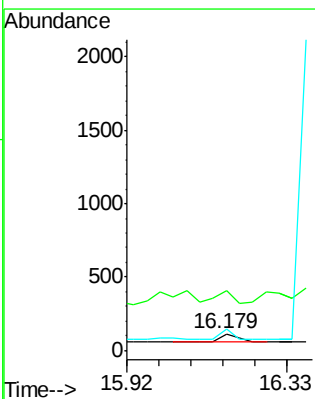
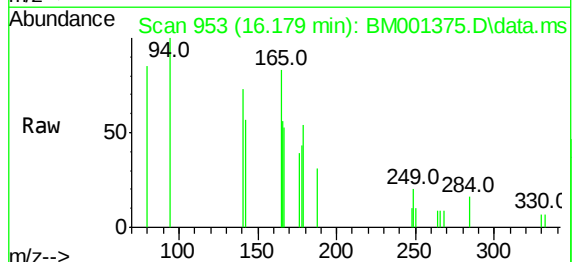
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

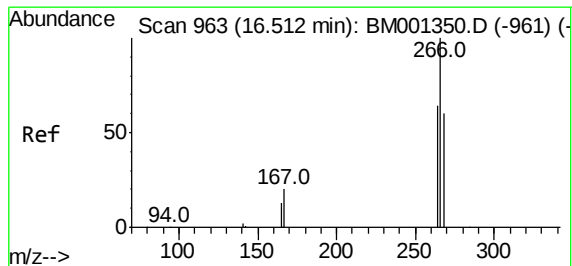
Tgt Ion:248 Resp: 1684
Ion Ratio Lower Upper
248 100
250 186.0 51.5 77.3#
141 320.7 59.0 88.6#



#20
Hexachlorobenzene
Concen: 0.03 ng
RT: 16.179 min Scan# 953
Delta R.T. 0.007 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:284 Resp: 183
Ion Ratio Lower Upper
284 100
142 132.8 0.0 0.0#
249 82.5 11.1 16.7#

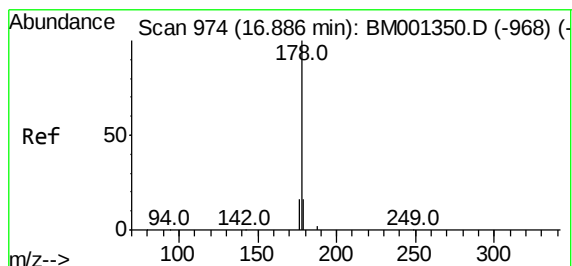
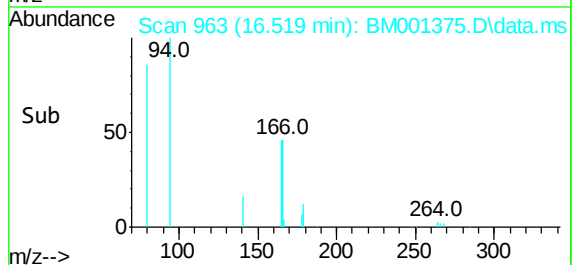
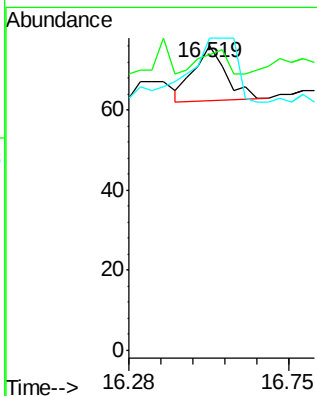
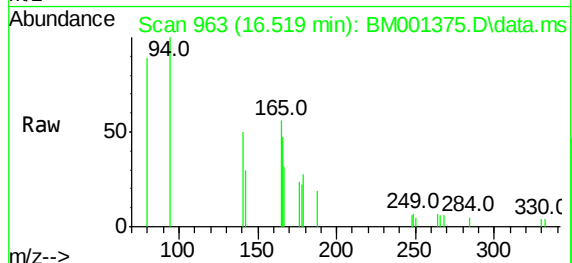




#21
Pentachlorophenol
Concen: 0.42 ng
RT: 16.519 min Scan# 963
Delta R.T. 0.008 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

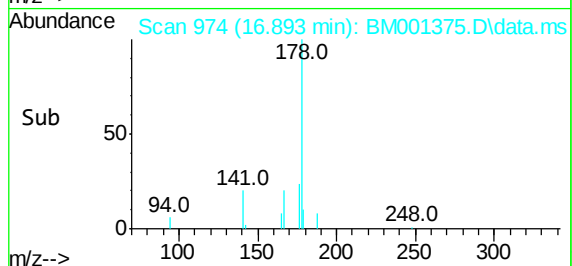
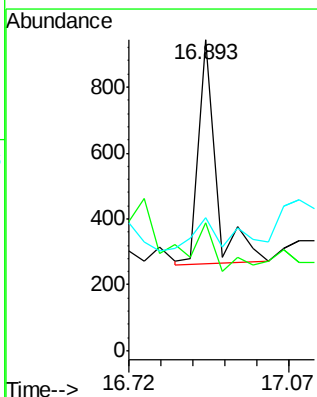
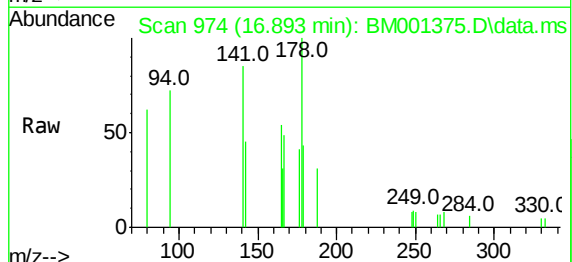
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

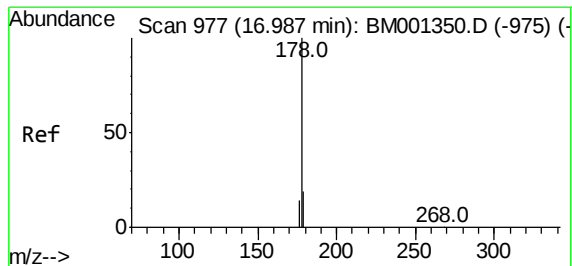
Tgt Ion:	266	Resp:	88
Ion Ratio	Lower	Upper	
266	100		
268	97.4	51.2	76.8#
264	102.6	53.7	80.5#



#22
Phenanthrene
Concen: 0.06 ng
RT: 16.893 min Scan# 974
Delta R.T. 0.007 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:	178	Resp:	1777
Ion Ratio	Lower	Upper	
178	100		
176	0.0	16.6	25.0#
179	30.8	12.8	19.2#

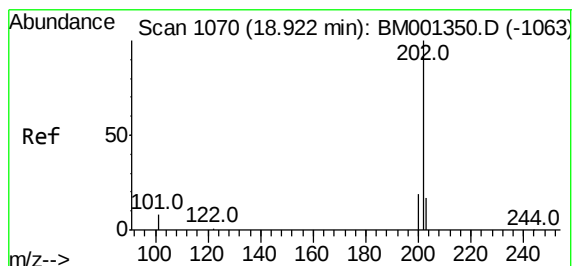
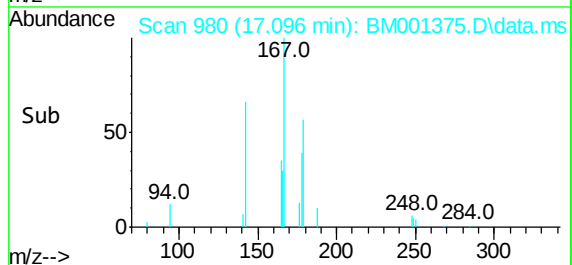
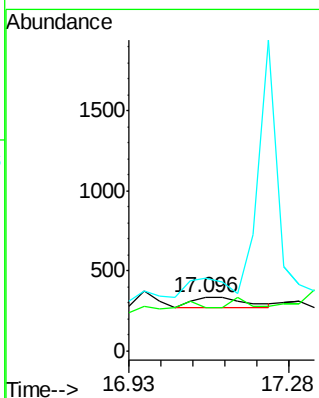
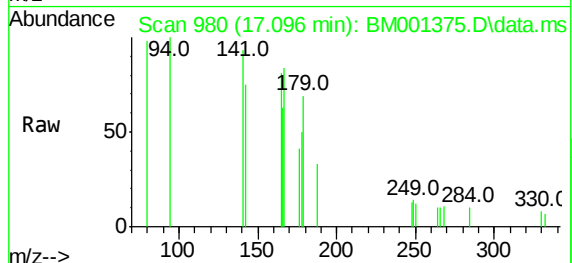




#23
 Anthracene
 Concen: 0.05 ng
 RT: 17.096 min Scan# 980
 Delta R.T. 0.109 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

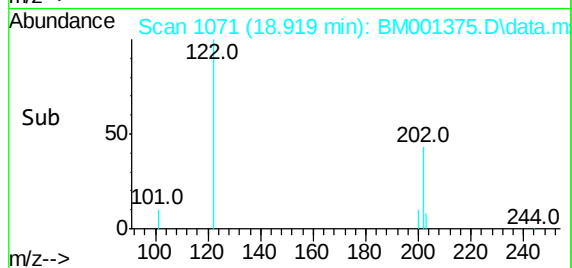
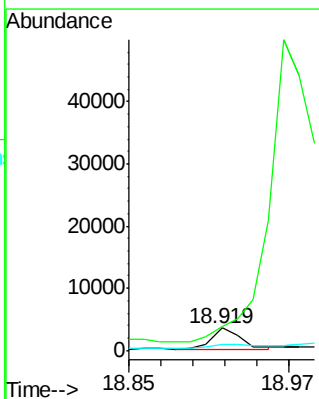
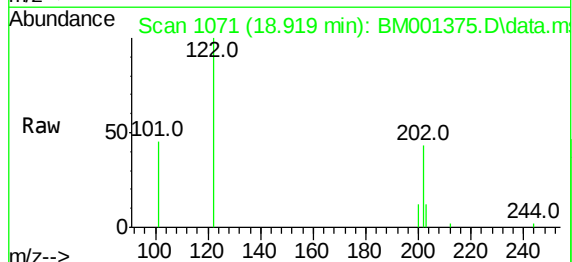
Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-150512

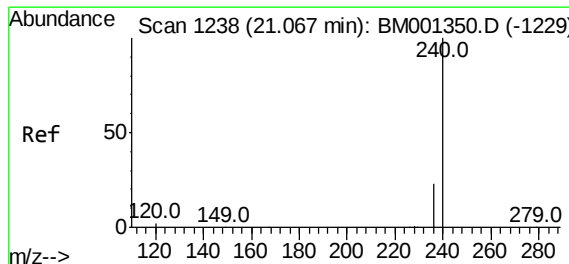
Tgt Ion:178 Resp: 503
 Ion Ratio Lower Upper
 178 100
 176 0.0 46.1 69.1#
 179 0.0 35.4 53.0#



#24
 Fluoranthene
 Concen: 0.21 ng
 RT: 18.919 min Scan# 1071
 Delta R.T. -0.003 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

Tgt Ion:202 Resp: 5022
 Ion Ratio Lower Upper
 202 100
 101 0.0 8.7 13.1#
 203 26.1 13.8 20.6#

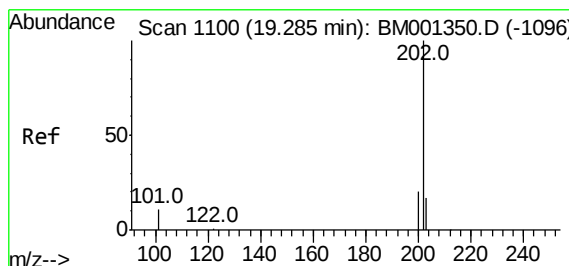
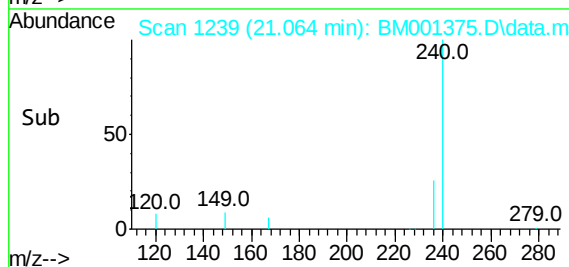
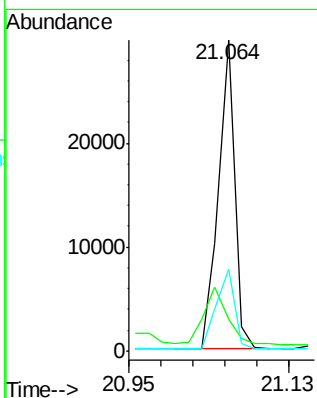
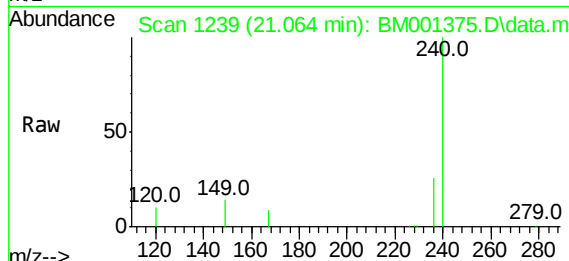




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.064 min Scan# 1239
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

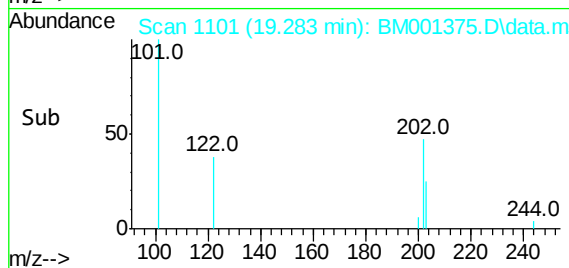
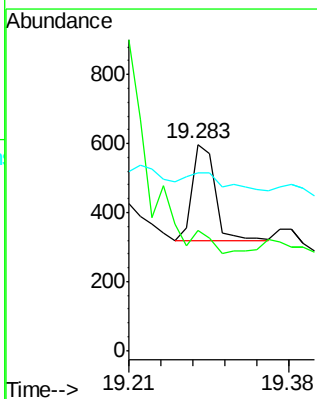
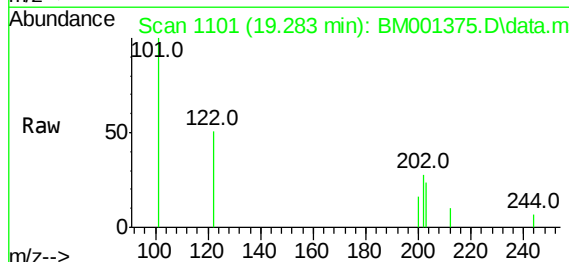
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

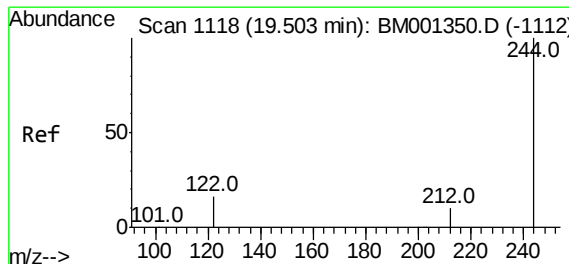
Tgt Ion:	240	Resp:	39221
Ion	Ratio	Lower	Upper
240	100		
120	10.0	1.6	2.4#
236	26.2	18.5	27.7



#26
Pyrene
Concen: 0.04 ng
RT: 19.283 min Scan# 1101
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:	202	Resp:	462
Ion	Ratio	Lower	Upper
202	100		
200	0.0	16.2	24.4#
203	0.0	13.9	20.9#

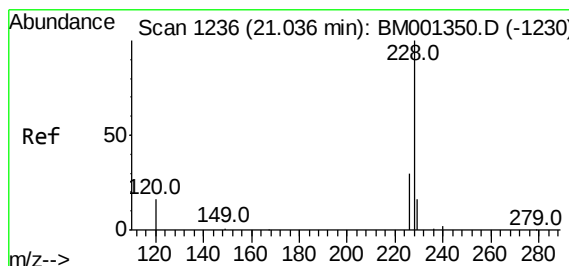
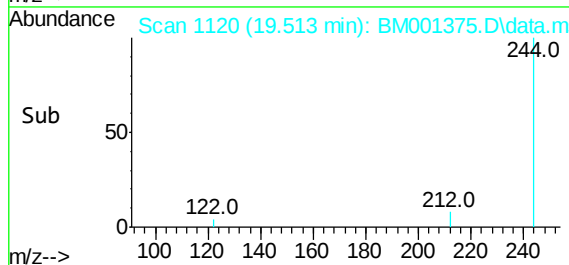
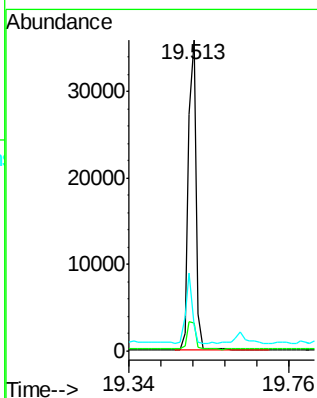
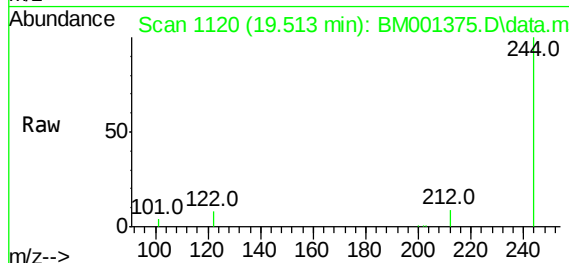




#27
 Terphenyl-d14
 Concen: 9.84 ng
 RT: 19.513 min Scan# 1120
 Delta R.T. 0.009 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

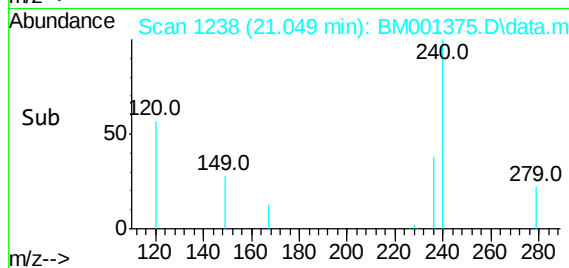
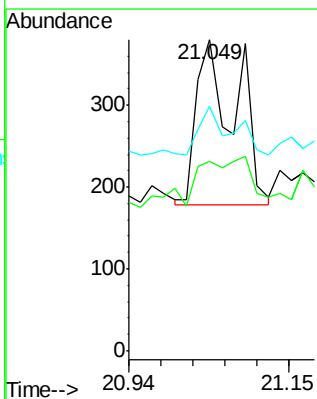
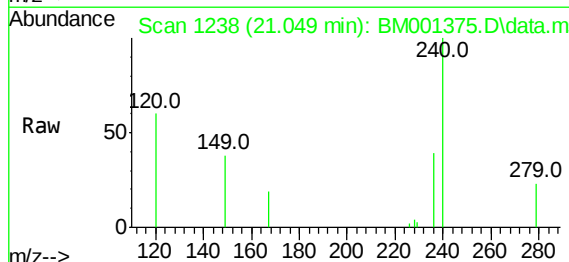
Instrument :
 BNA_M
 ClientSampleId :
 KY032MW006-150512

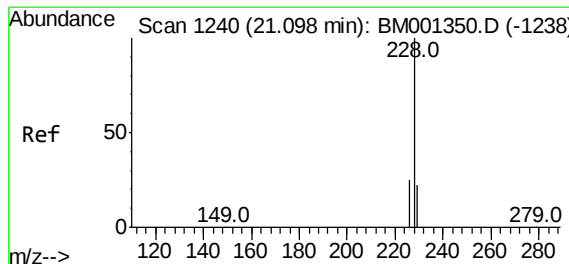
Tgt Ion:	244	Resp:	50758
Ion	Ratio	Lower	Upper
244	100		
212	8.8	8.5	12.7
122	8.0	13.4	20.2#



#28
 Benzo(a)anthracene
 Concen: 0.06 ng
 RT: 21.049 min Scan# 1238
 Delta R.T. 0.013 min
 Lab File: BM001375.D
 Acq: 22 May 2015 00:42

Tgt Ion:	228	Resp:	710
Ion	Ratio	Lower	Upper
228	100		
226	61.1	24.5	36.7#
229	78.4	13.3	19.9#

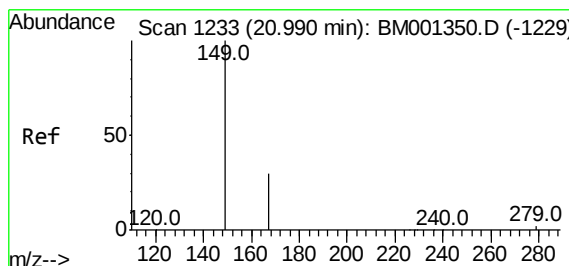
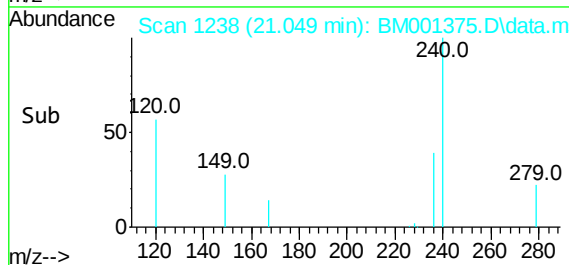
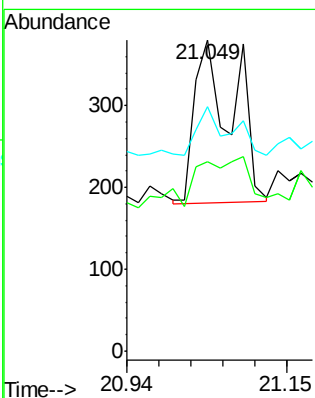
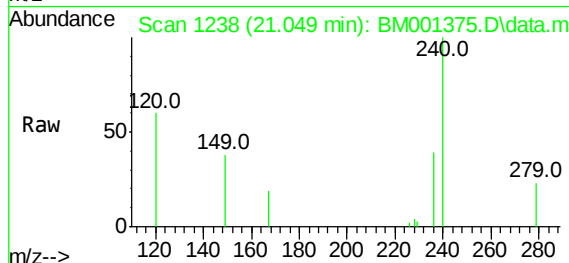




#29
Chrysene
Concen: 0.06 ng
RT: 21.049 min Scan# 1238
Delta R.T. -0.049 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

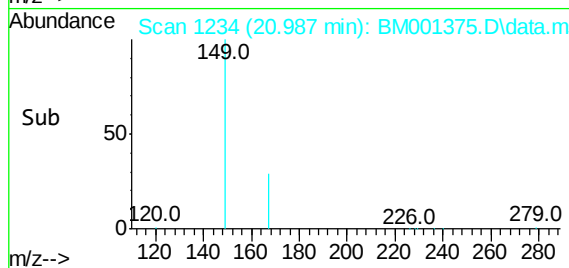
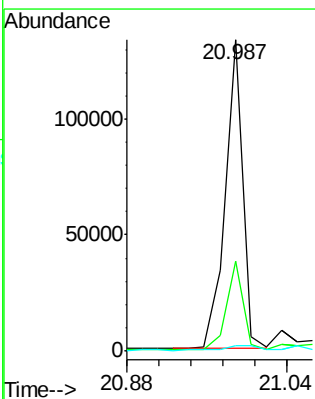
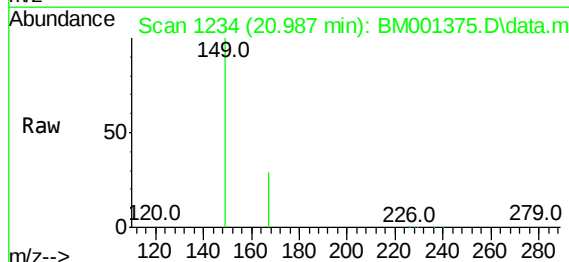
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

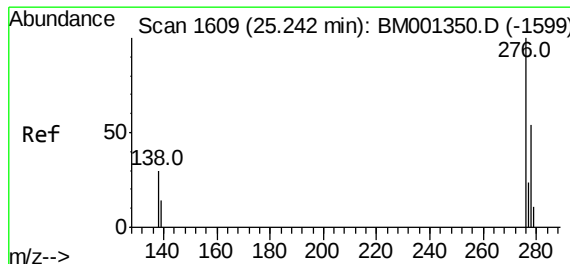
Tgt Ion:228 Resp: 691
Ion Ratio Lower Upper
228 100
226 61.1 20.0 30.0#
229 78.4 17.6 26.4#



#30
Bis(2-ethylhexyl)phthalate
Concen: 22.26 ng
RT: 20.987 min Scan# 1234
Delta R.T. -0.002 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

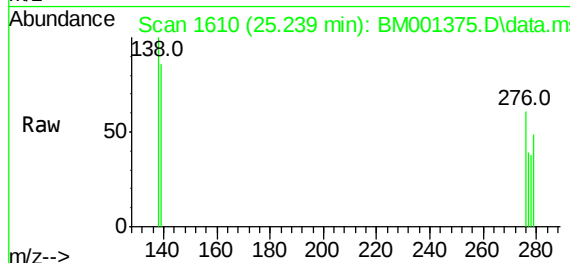
Tgt Ion:149 Resp: 160072
Ion Ratio Lower Upper
149 100
167 26.7 21.6 32.4
279 2.3 1.9 2.9



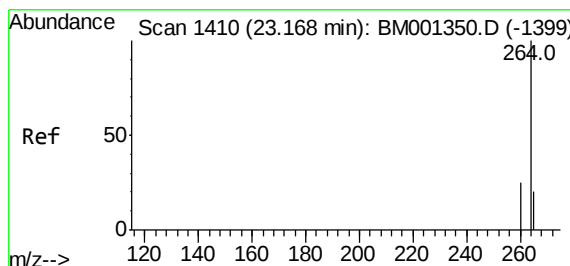
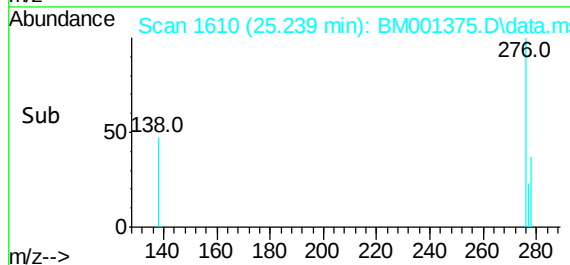
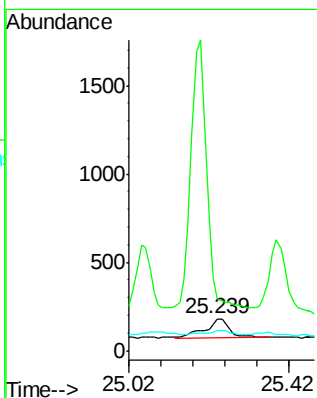


#31
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 25.239 min Scan# 1610
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

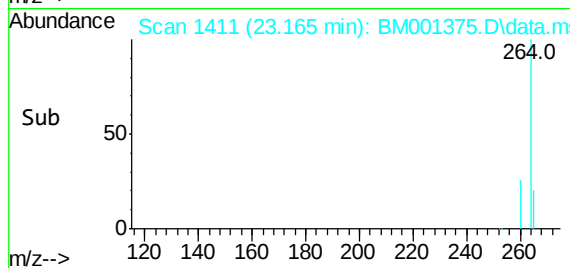
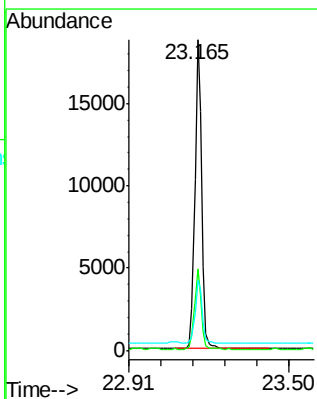
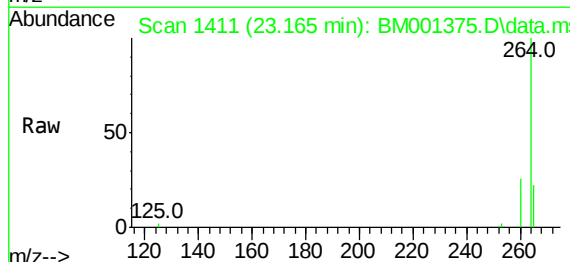


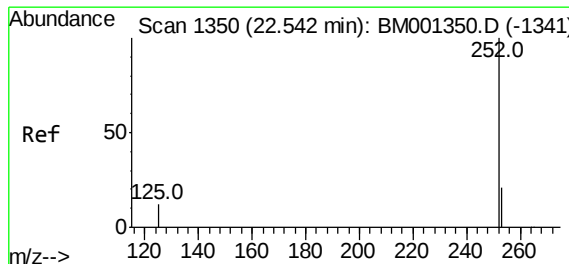
Tgt Ion:276 Resp: 452
Ion Ratio Lower Upper
276 100
138 0.0 24.2 36.4#
277 28.3 19.7 29.5



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.165 min Scan# 1411
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:264 Resp: 33209
Ion Ratio Lower Upper
264 100
260 26.3 20.4 30.6
265 22.4 16.6 24.8

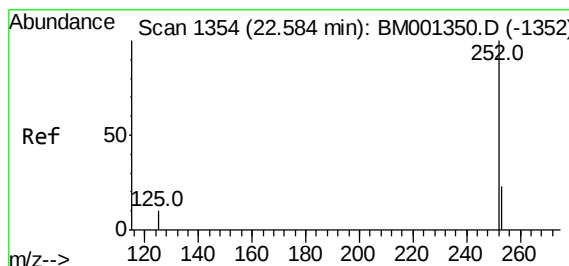
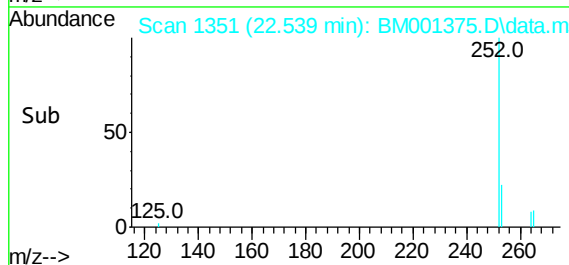
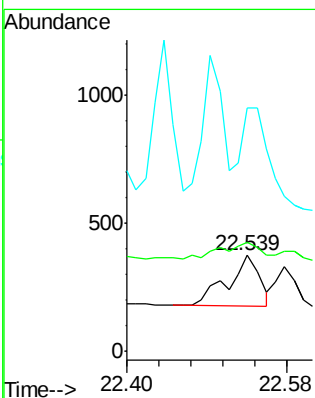
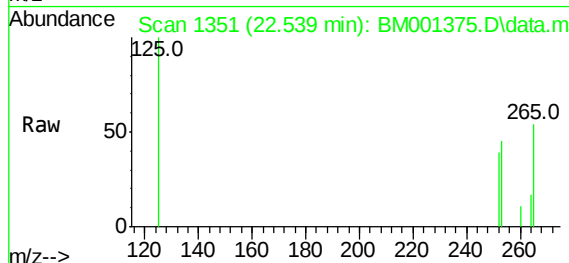




#33
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.539 min Scan# 1351
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

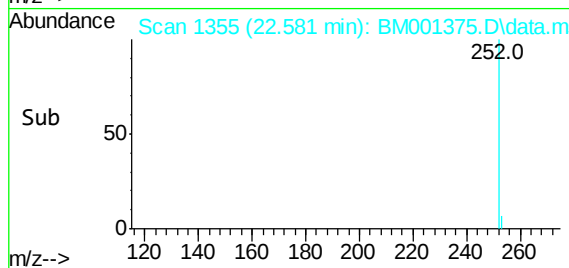
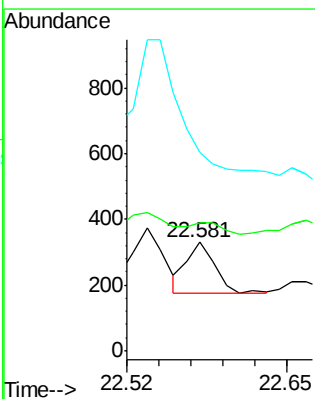
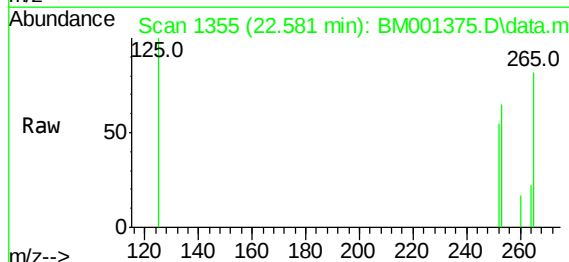
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

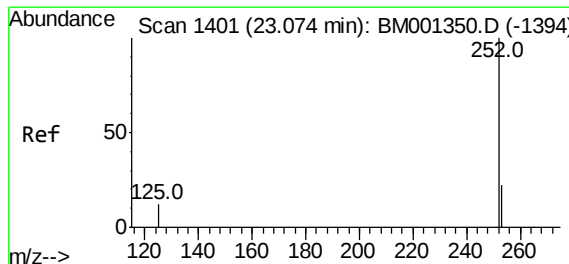
Tgt Ion:252 Resp: 479
Ion Ratio Lower Upper
252 100
253 113.1 17.9 26.9#
125 253.9 9.8 14.8#



#34
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.581 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:252 Resp: 244
Ion Ratio Lower Upper
252 100
253 118.5 18.6 28.0#
125 183.3 9.3 13.9#

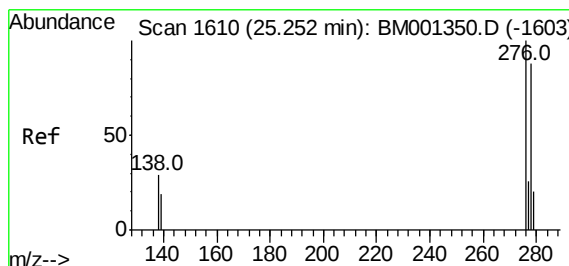
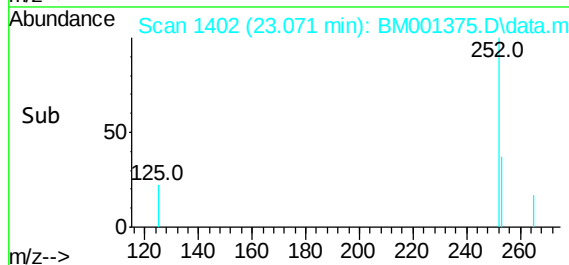
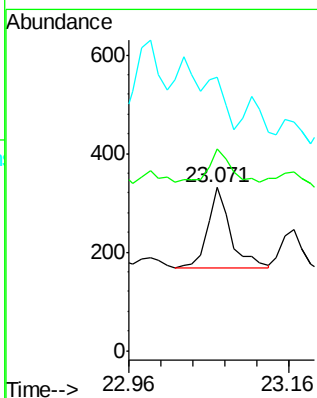
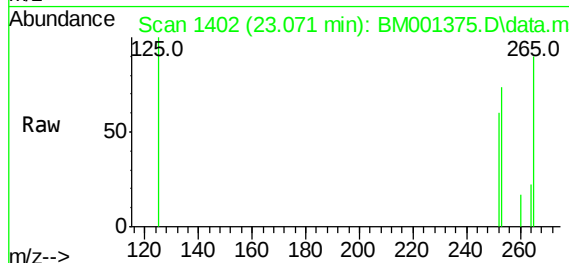




#35
Benzo(a)pyrene
Concen: 0.04 ng
RT: 23.071 min Scan# 1402
Delta R.T. -0.003 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

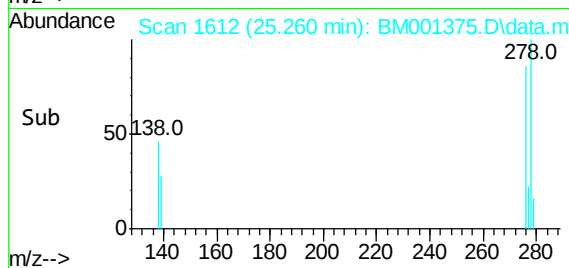
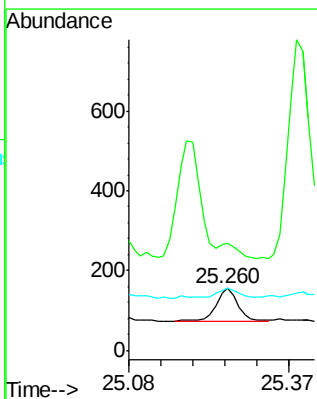
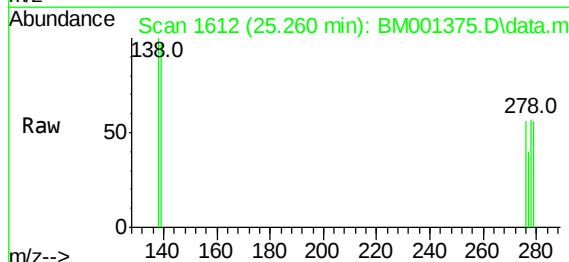
Instrument :
BNA_M
ClientSampleId :
KY032MW006-150512

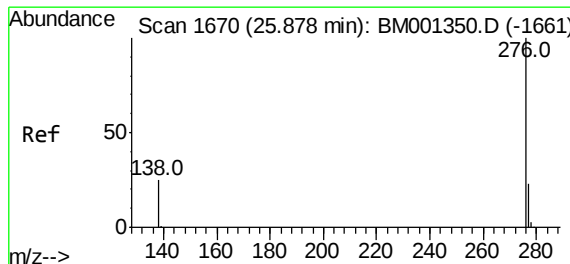
Tgt Ion:252 Resp: 324
Ion Ratio Lower Upper
252 100
253 123.6 18.9 28.3#
125 167.7 10.6 15.8#



#36
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 25.260 min Scan# 1612
Delta R.T. 0.008 min
Lab File: BM001375.D
Acq: 22 May 2015 00:42

Tgt Ion:278 Resp: 233
Ion Ratio Lower Upper
278 100
139 171.8 17.5 26.3#
279 99.4 18.7 28.1#





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 25.886 min Scan# 1672

Delta R.T. 0.008 min

Lab File: BM001375.D

Acq: 22 May 2015 00:42

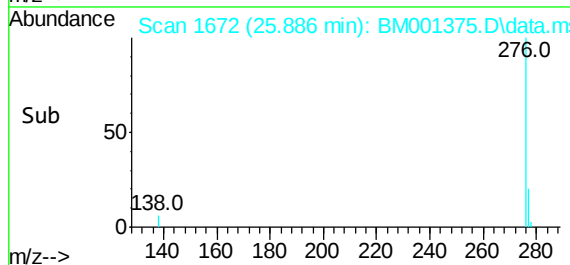
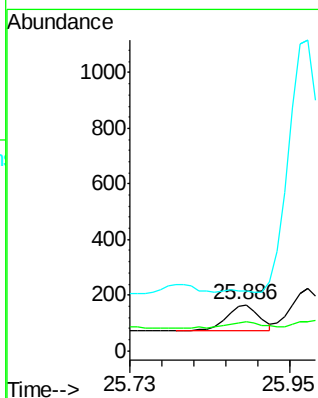
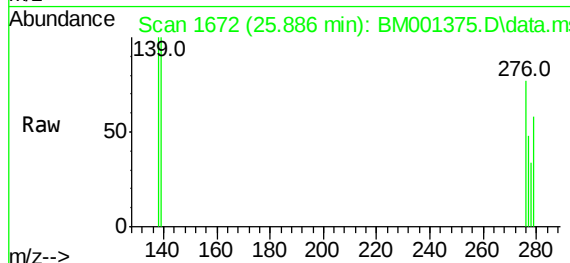
Tgt Ion: 276 Resp: 286

Ion Ratio Lower Upper

276 100

277 61.8 19.2 28.8#

138 129.7 20.2 30.4#



Instrument :

BNA_M

ClientSampleId :

KY032MW006-150512