

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014361.D
 Acq On : 26 Feb 2018 17:59
 Operator : SJ/JU
 Sample : J1631-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y6

Manual Integrations
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 2/27/2018 4:58:16 PM

Quant Time: Feb 27 03:55:40 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	149355	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	646600	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	382404	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	792407	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	596951	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	508212	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	13831m	3.96	ng/uL	0.00
5) Phenol-d5	6.72	99	311158	24.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	198702	26.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	264538	27.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	223426	20.23	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	136535	28.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	150396	30.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	278016	27.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	110920	10.99	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	966090	30.59	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1215533	31.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	60741m	13.93	ng/ul	0.01
57) Fluorene-d10	15.18	176	805033	28.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	51602	10.86	ng/ul	0.00
70) Anthracene-d10	17.04	188	1179874	30.86	ng/ul	0.00
76) Pyrene-d10	19.35	212	1104152	35.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	738380	29.85	ng/ul	0.01

Target Compounds

					Qvalue	
4) Benzaldehyde	6.69	77	9318	1.811	ng/ul#	84
6) Phenol	6.75	94	18223	1.376	ng/ul	90
14) Acetophenone	8.35	105	123317	6.471	ng/ul	88
28) Naphthalene	10.34	128	82809	2.494	ng/ul	96
44) Dimethylphthalate	13.65	163	273262	8.775	ng/ul#	97
47) Acenaphthylene	13.90	152	74723	2.030	ng/ul	95
49) Acenaphthene	14.24	153	88268	3.406	ng/ul	96
53) Dibenzofuran	14.59	168	88975	2.290	ng/ul	93
58) Fluorene	15.24	166	121618	3.625	ng/ul#	95
69) Phenanthrene	16.99	178	2588177	56.690	ng/ul	98
71) Anthracene	17.07	178	557785	12.148	ng/ul	97
72) Carbazole	17.36	167	154744	4.008	ng/ul	98
74) Fluoranthene	19.02	202	4123784	75.602	ng/ul#	92
77) Pyrene	19.38	202	3636125	91.655	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	1650169	44.293	ng/ul	98
82) Chrysene	21.19	228	1603068	46.125	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1931799	56.769	ng/ul#	97
86) Benzo(k)fluoranthene	22.72	252	600549m	18.562	ng/ul	
88) Benzo(a)pyrene	23.23	252	1312912	43.176	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.48	276	856650	29.032	ng/ul#	98
90) Dibenz(a,h)anthracene	25.48	278	242467	9.889	ng/ul#	90
91) Benzo(g,h,i)perylene	26.14	276	629023	26.315	ng/ul#	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

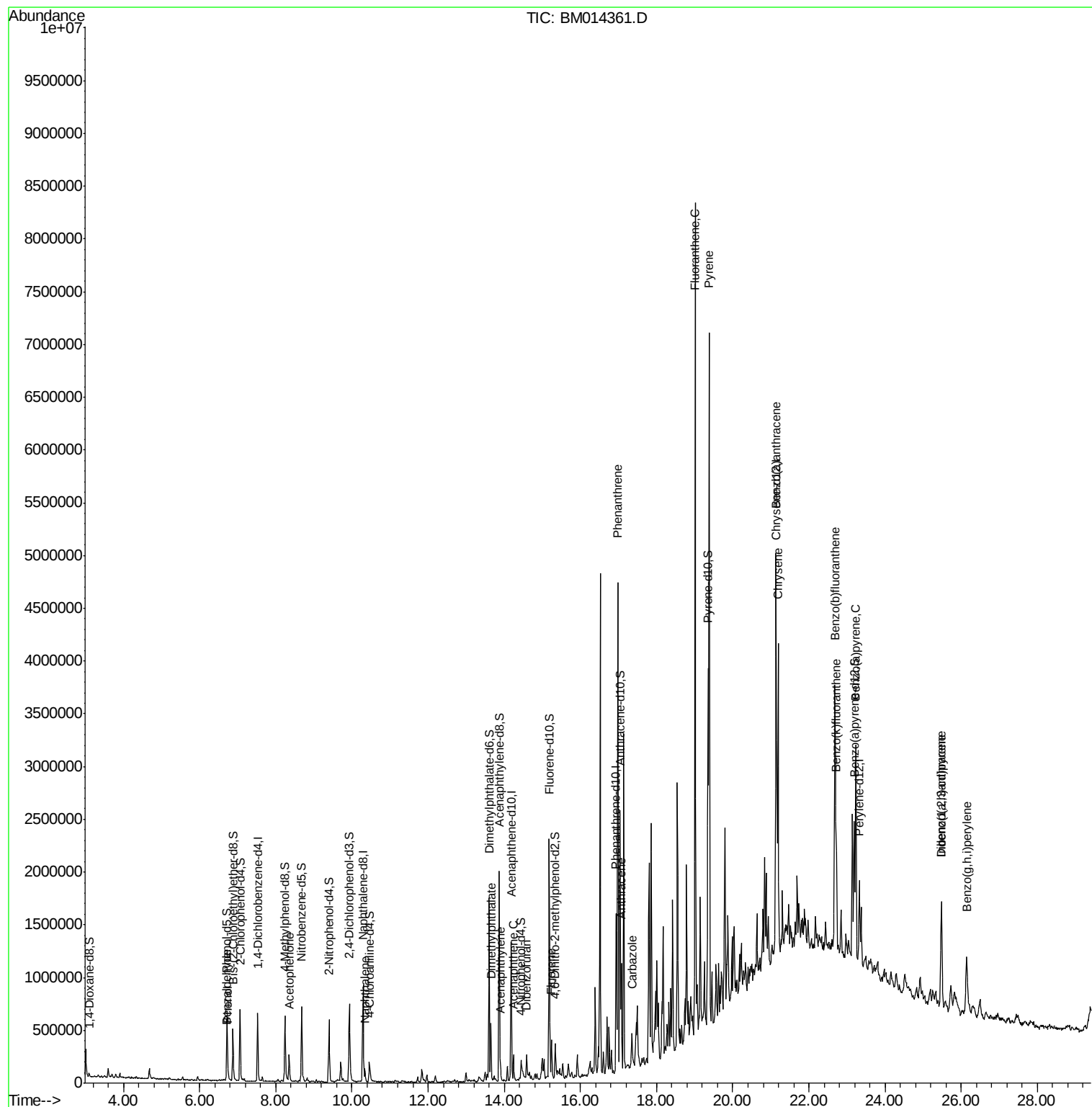
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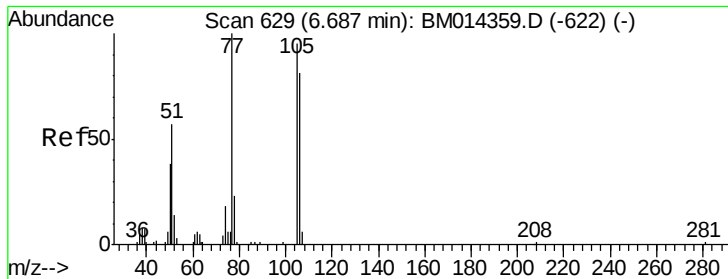
Instrument :
BNA_M
ClientSampleId :
BE5Y6

Manual Integrations
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.811 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

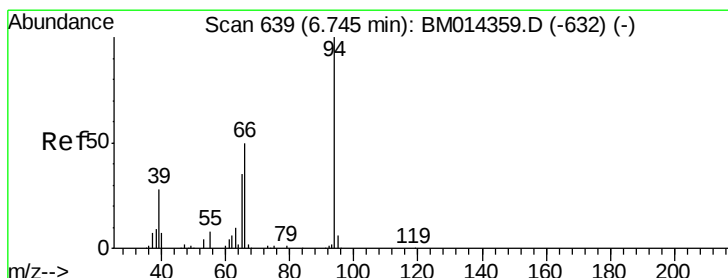
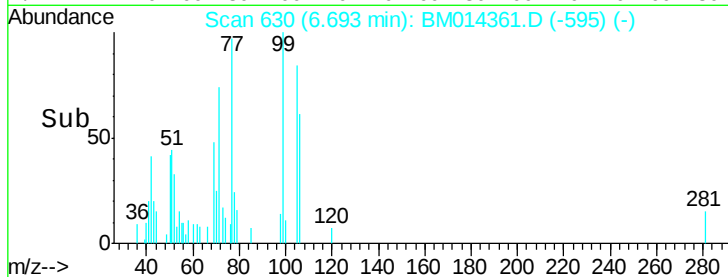
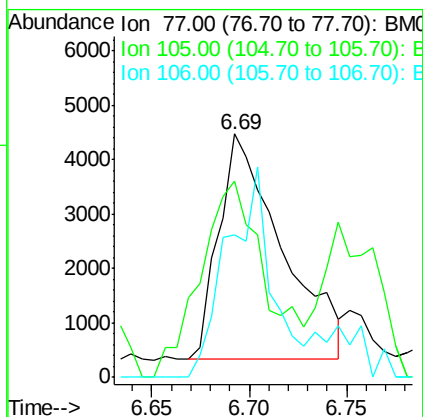
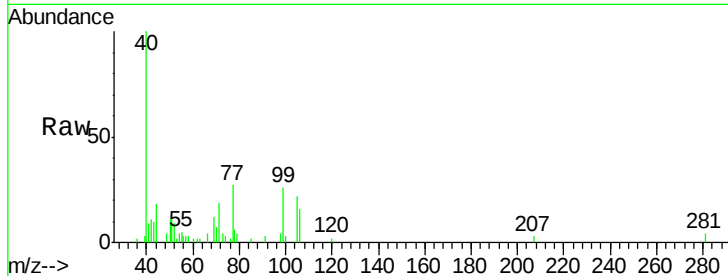
ClientSampled :

BE5Y6

Tgt Ion:	77	Resp:	9318
Ion Ratio	Lower	Upper	
77	100		
105	80.6	66.1	99.1
106	58.6	67.8	101.6#

Manual Integrations
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#6

Phenol

Concen: 1.376 ng/ul

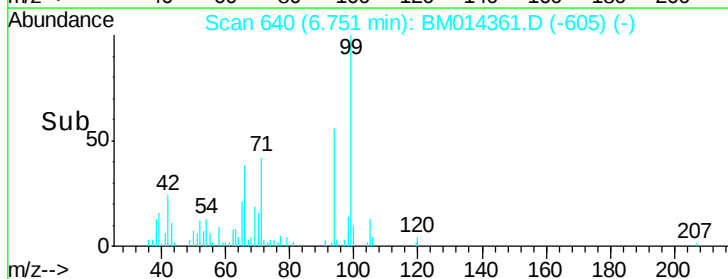
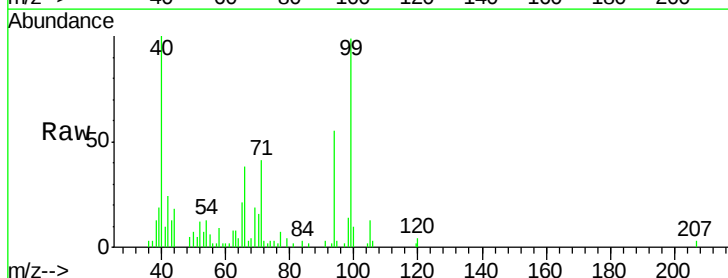
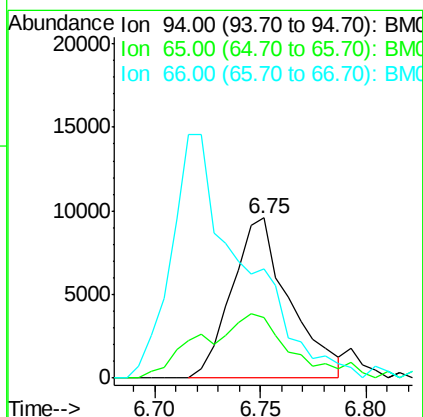
RT: 6.75 min Scan# 640

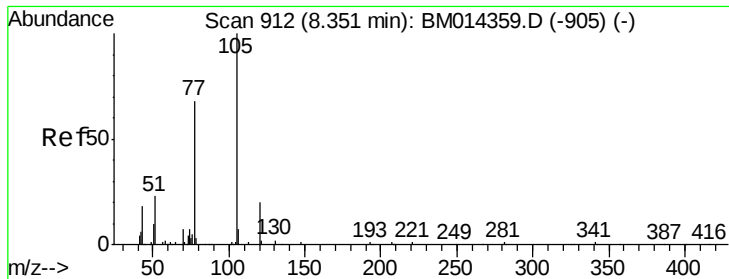
Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Tgt Ion:	94	Resp:	18223
Ion Ratio	Lower	Upper	
94	100		
65	37.8	28.2	42.4
66	68.5	47.2	70.8





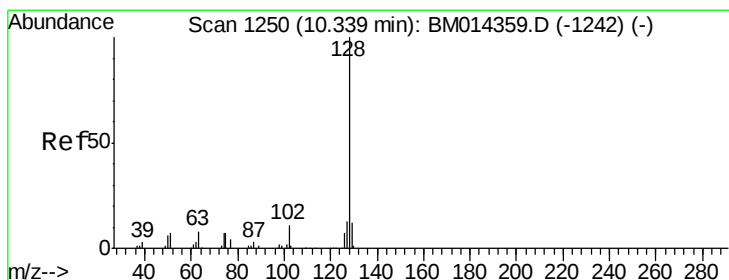
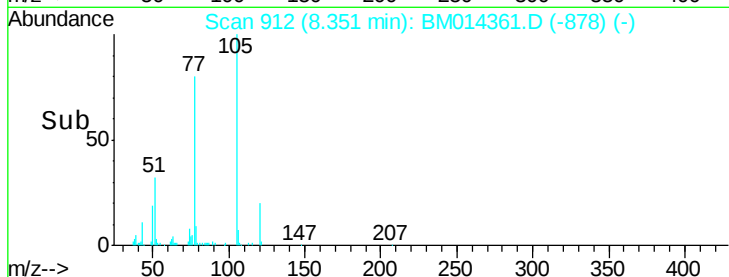
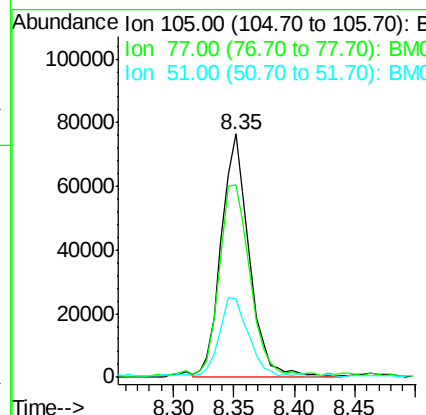
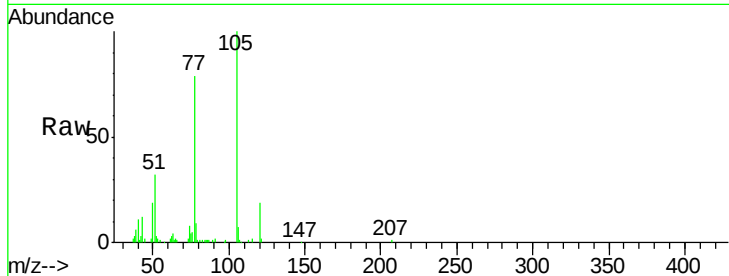
#14
Acetophenone
Concen: 6.471 ng/ul
RT: 8.35 min Scan# 912
Delta R.T. 0.00 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_M
ClientSampled :
BE5Y6

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123317		
77	79.1	74.2	111.4	
51	32.1	23.4	35.2	

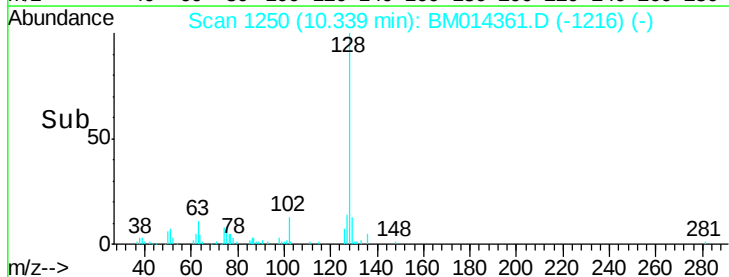
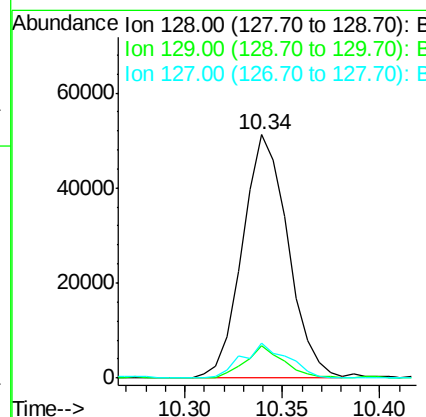
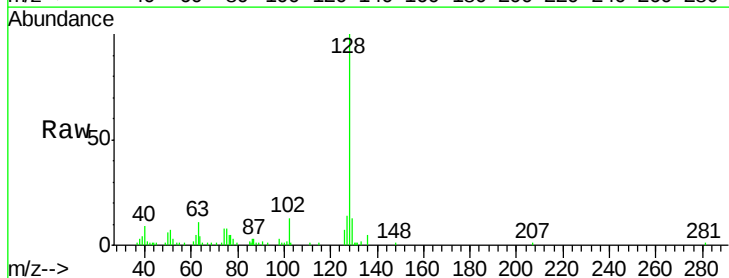
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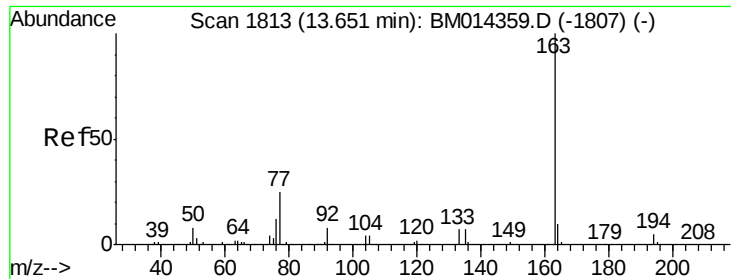
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#28
Naphthalene
Concen: 2.494 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82809		
129	13.1	8.8	13.2	
127	14.3	10.6	16.0	





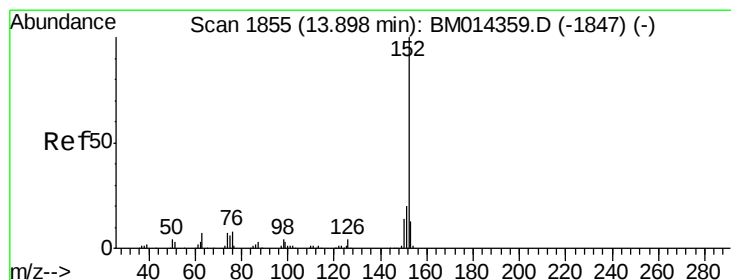
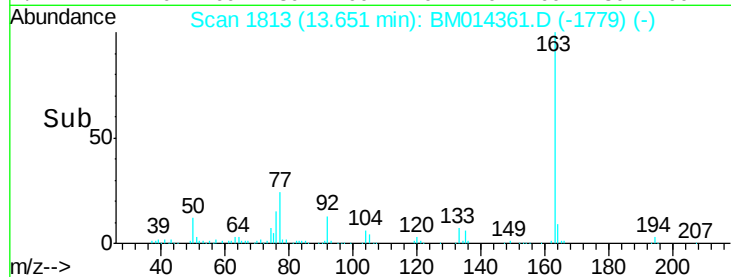
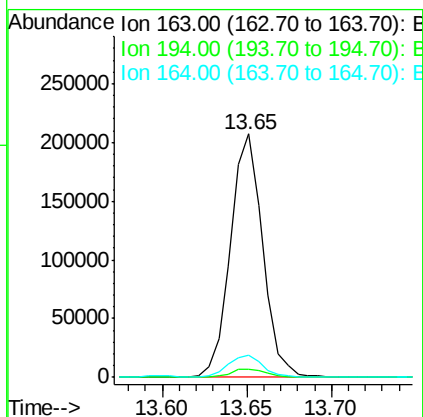
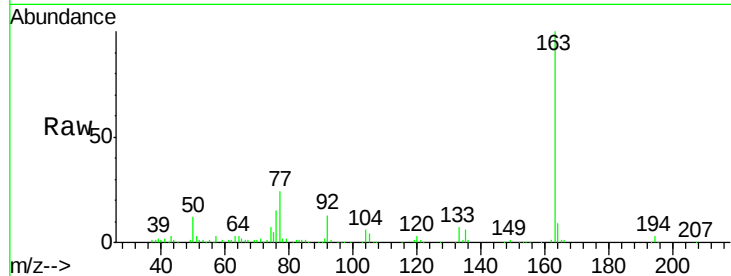
#44
Dimethylphthalate
Concen: 8.775 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	273262		
194	3.3	3.5	5.3#	
164	9.3	8.2	12.4	

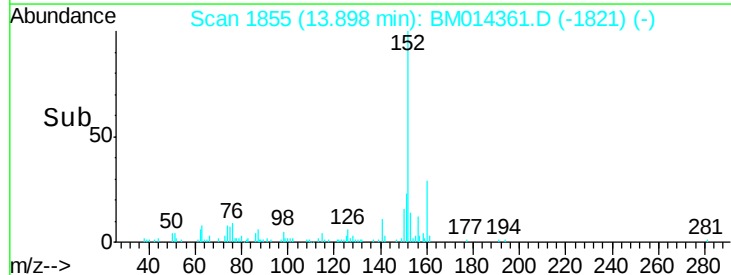
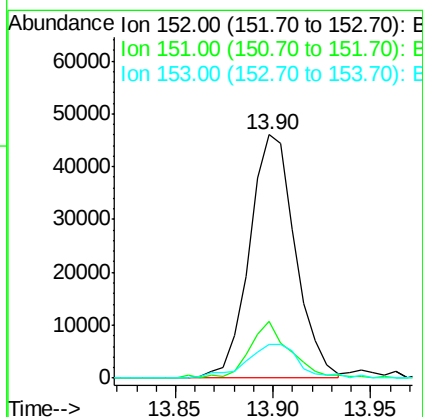
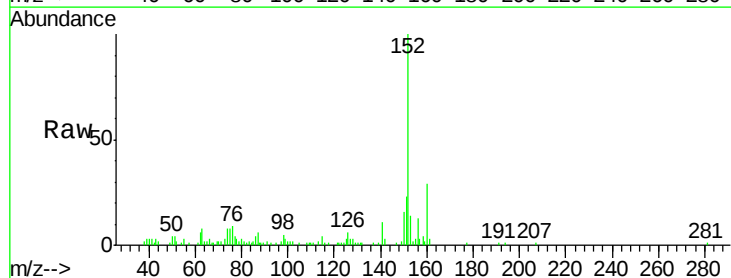
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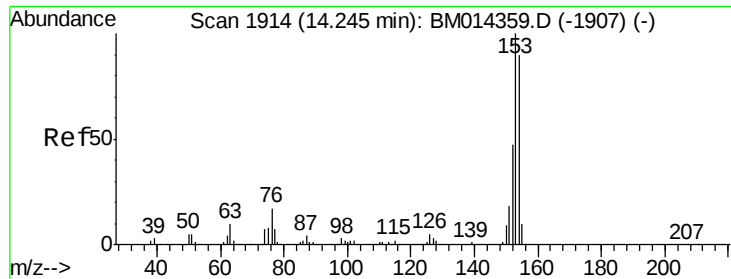
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#47
Acenaphthylene
Concen: 2.030 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	74723		
151	23.3	16.3	24.5	
153	14.1	10.2	15.4	





#49

Acenaphthene

Concen: 3.406 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

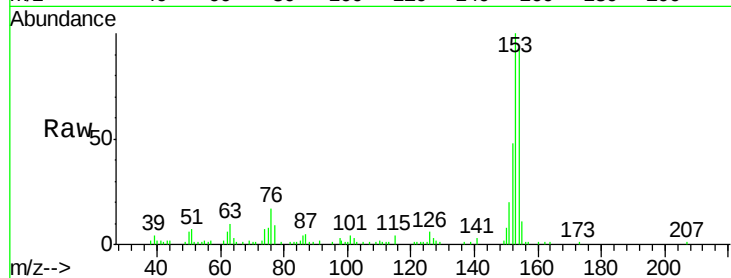
ClientSampled :

BE5Y6

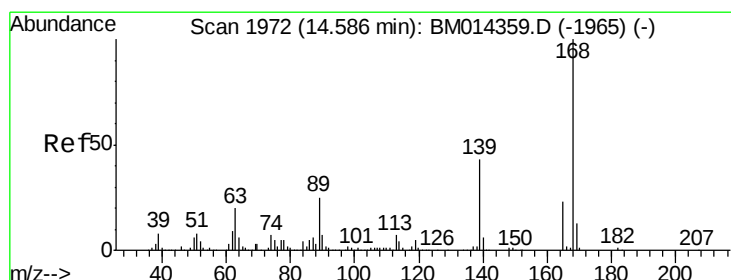
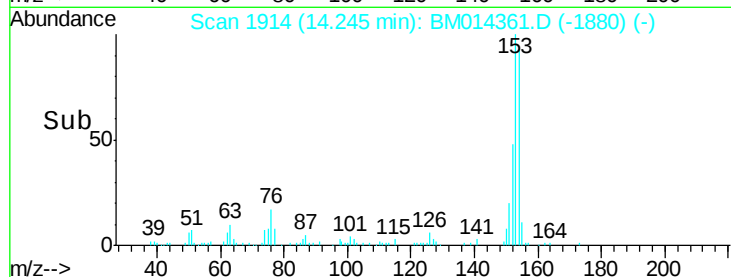
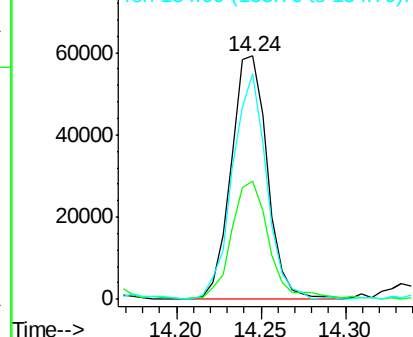
Tgt Ion:	153	Resp:	88268
Ion Ratio	Lower	Upper	
153	100		
152	48.3	37.6	56.4
154	92.9	70.4	105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.290 ng/ul

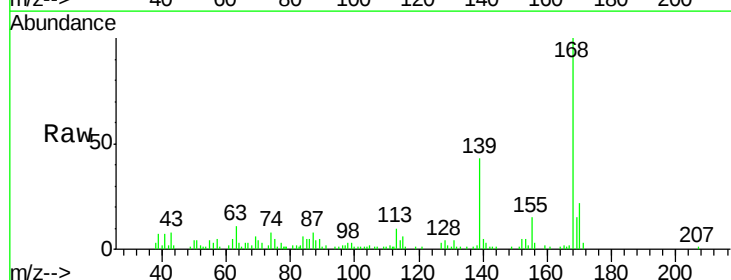
RT: 14.59 min Scan# 1972

Delta R.T. 0.00 min

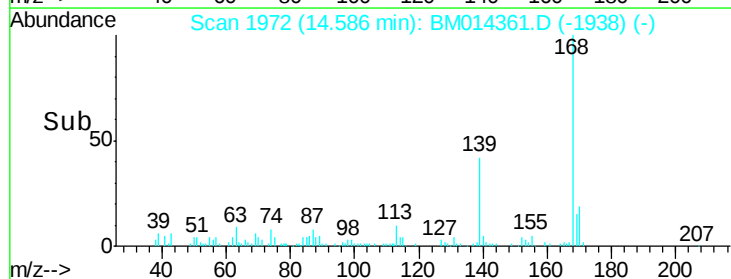
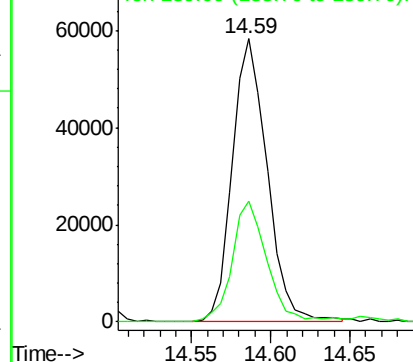
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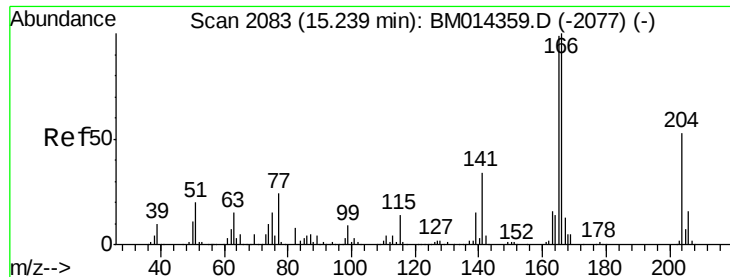
Acq: 26 Feb 2018 17:59

Tgt Ion:	168	Resp:	88975
Ion Ratio	Lower	Upper	
168	100		
139	42.9	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





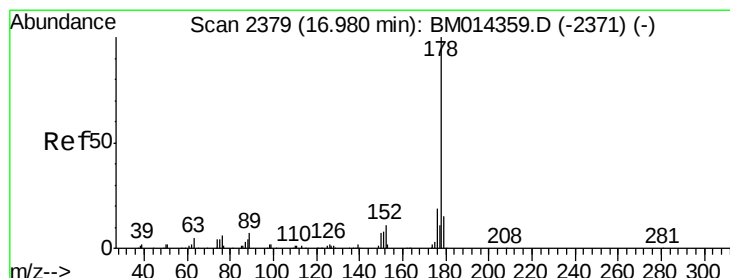
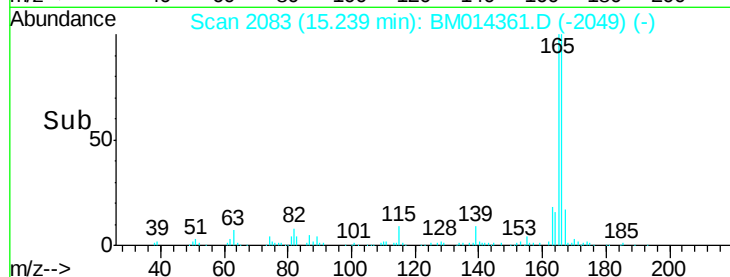
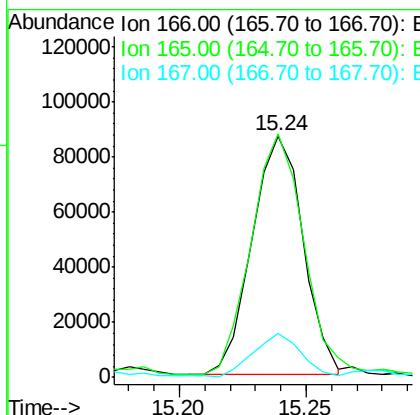
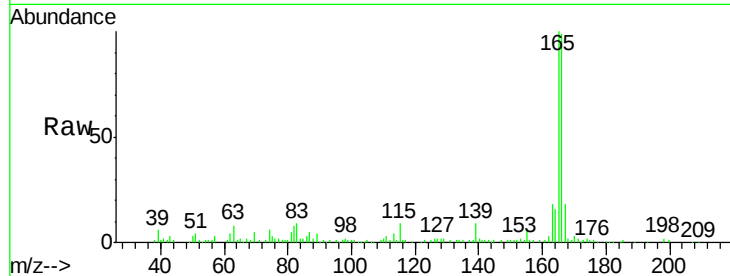
#58
 Fluorene
 Concen: 3.625 ng/ul
 RT: 15.24 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BM014361.D
 Acq: 26 Feb 2018 17:59

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y6

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.9	116.9
167	18.1	10.6	16.0

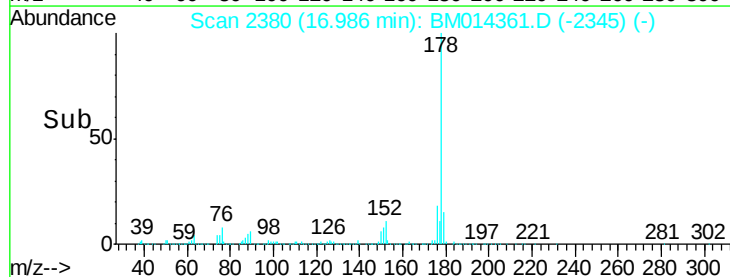
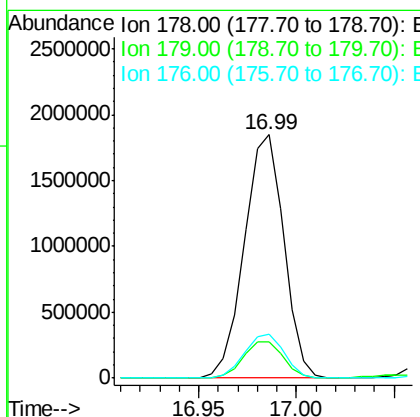
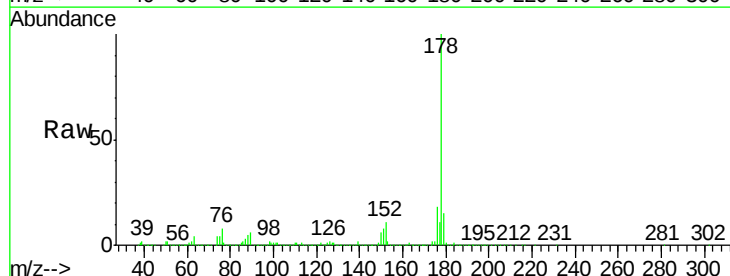
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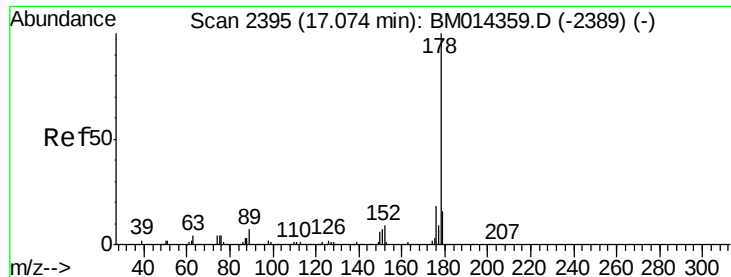
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#69
 Phenanthrene
 Concen: 56.690 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. 0.01 min
 Lab File: BM014361.D
 Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.2	14.9	22.3





#71

Anthracene

Concen: 12.148 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

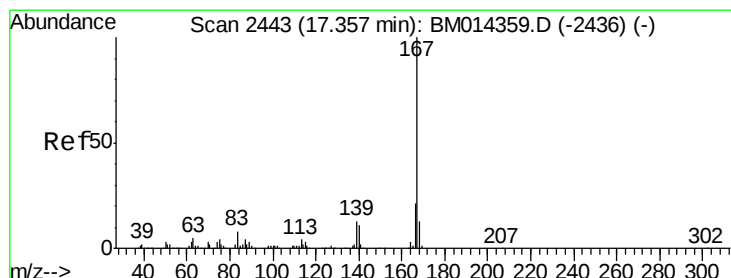
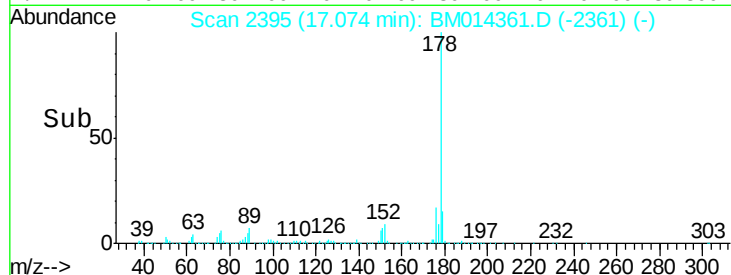
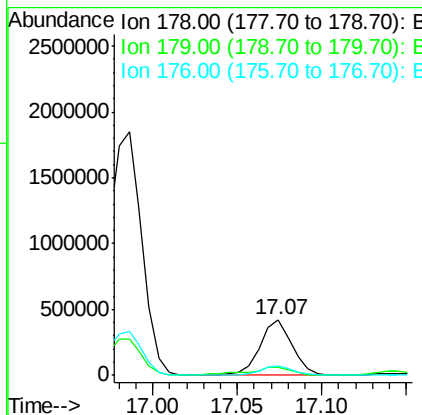
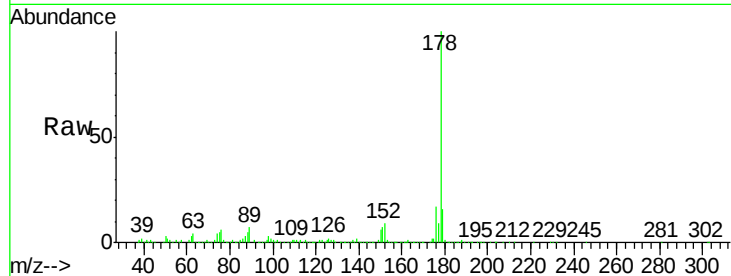
ClientSampleId :

BE5Y6

Tgt Ion:	178	Resp:	557785
Ion Ratio	Lower	Upper	
178	100		
179	15.5	11.7	17.5
176	16.9	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 4.008 ng/ul

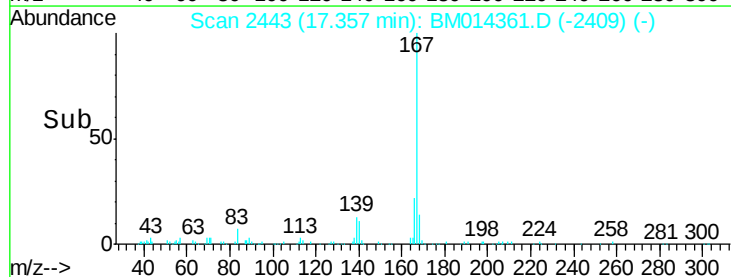
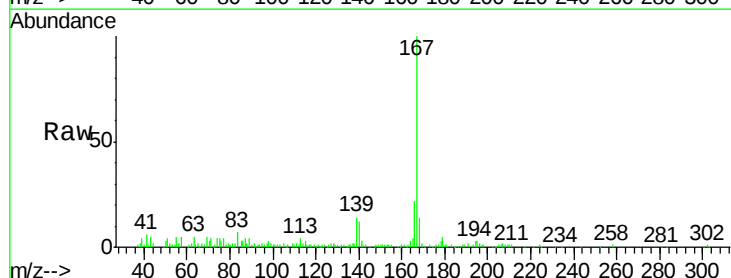
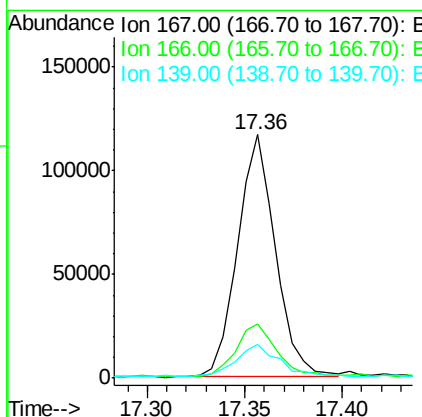
RT: 17.36 min Scan# 2443

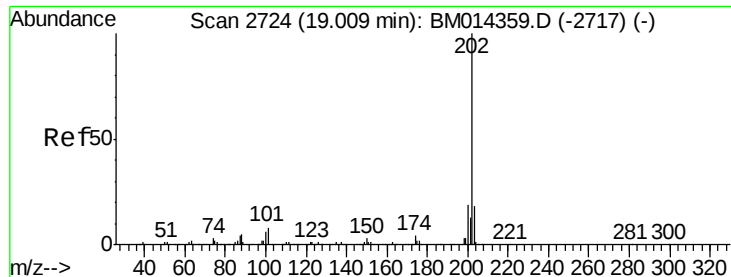
Delta R.T. 0.00 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Tgt Ion:	167	Resp:	154744
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.1	25.7
139	13.6	10.0	15.0





#74

Fluoranthene

Concen: 75.602 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

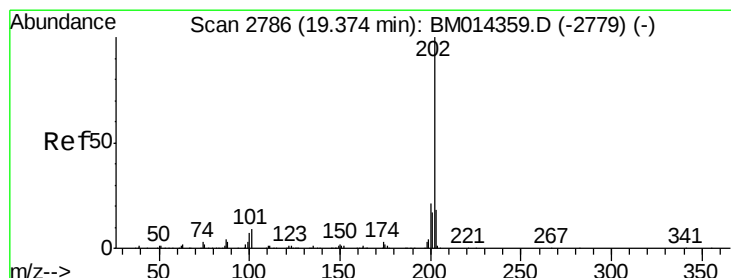
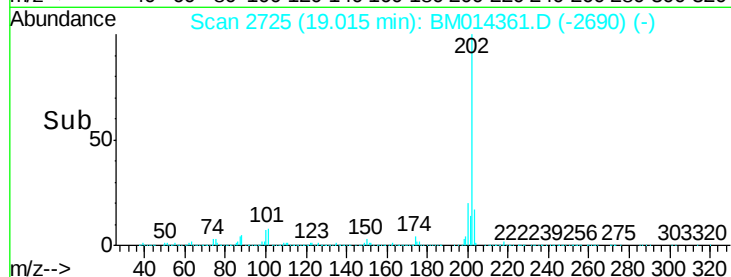
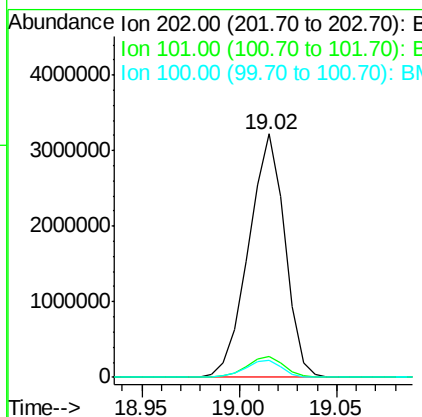
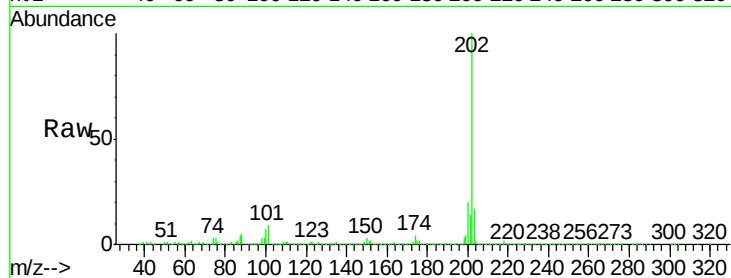
ClientSampleId :

BE5Y6

Tgt	Ion	202	Resp:	4123784
Ion	Ratio	Lower	Upper	
202	100			
101	8.5	4.6	7.0#	
100	6.8	3.4	5.2#	

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#77

Pyrene

Concen: 91.655 ng/ul

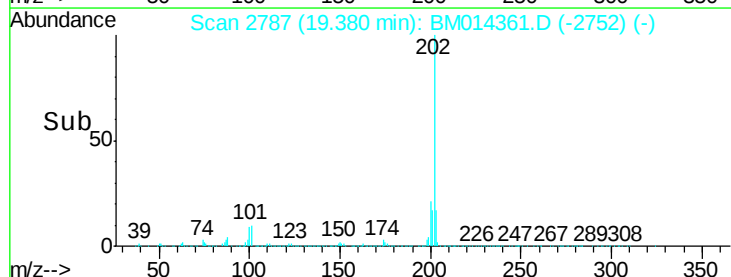
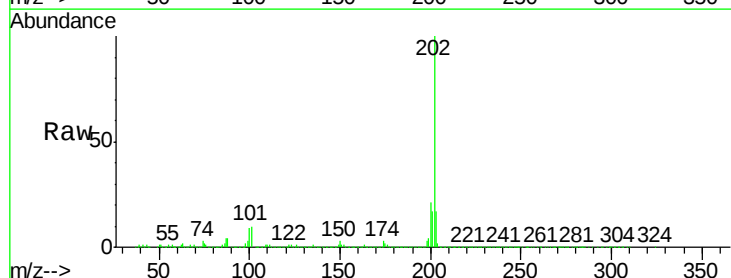
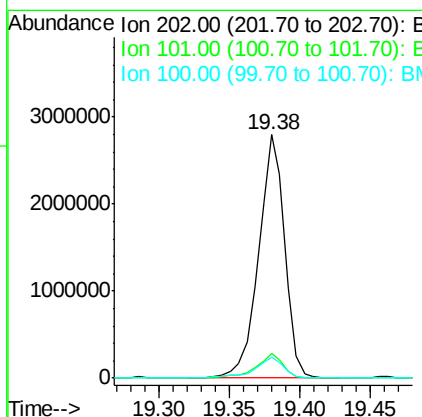
RT: 19.38 min Scan# 2787

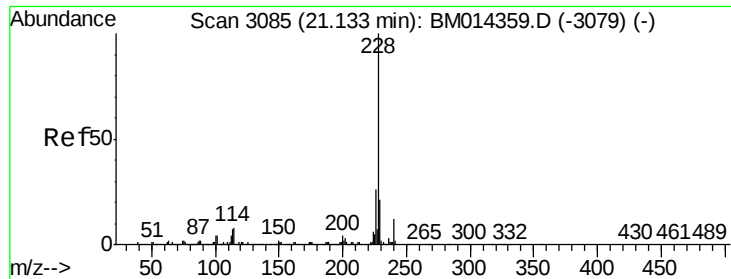
Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Tgt	Ion	202	Resp:	3636125
Ion	Ratio	Lower	Upper	
202	100			
101	10.2	5.1	7.7#	
100	8.6	4.9	7.3#	





#80

Benzo(a)anthracene

Concen: 44.293 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

ClientSampled :

BE5Y6

Tgt Ion:228 Resp: 1650169

Ion Ratio Lower Upper

228 100

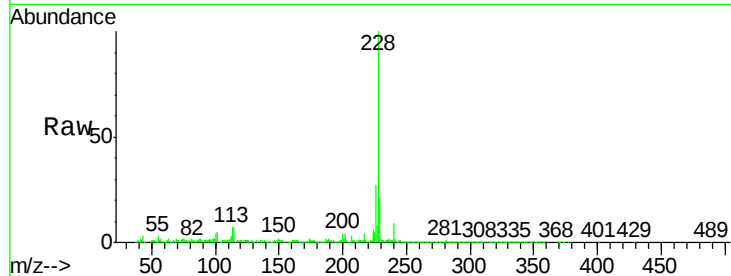
229 20.9 15.4 23.0

226 27.1 21.4 32.0

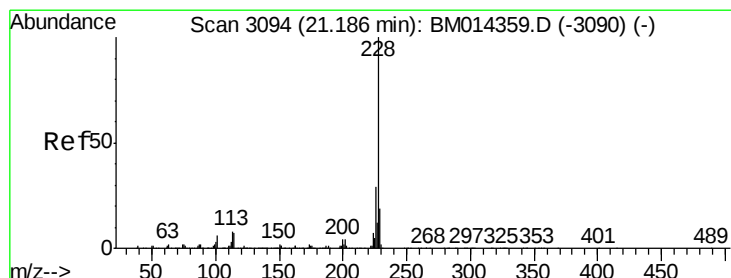
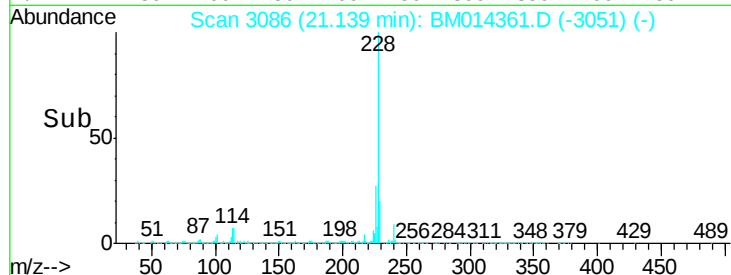
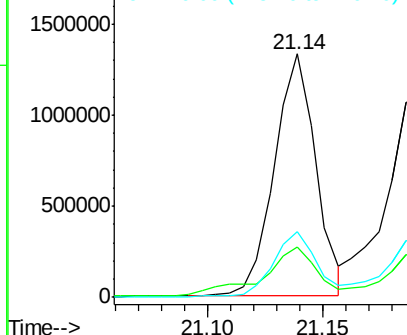
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 46.125 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Tgt Ion:228 Resp: 1603068

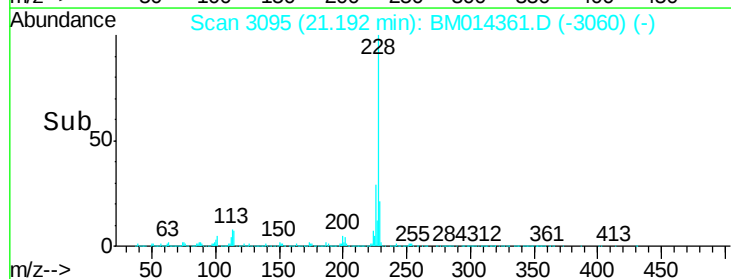
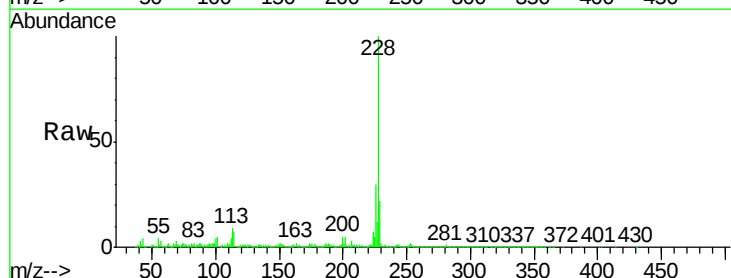
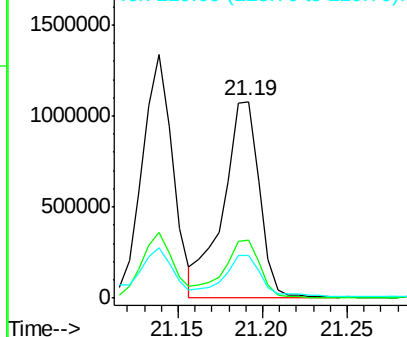
Ion Ratio Lower Upper

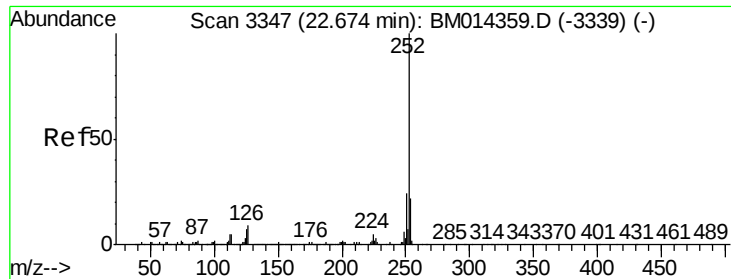
228 100

226 29.6 23.4 35.2

229 21.8 15.5 23.3

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 56.769 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_M

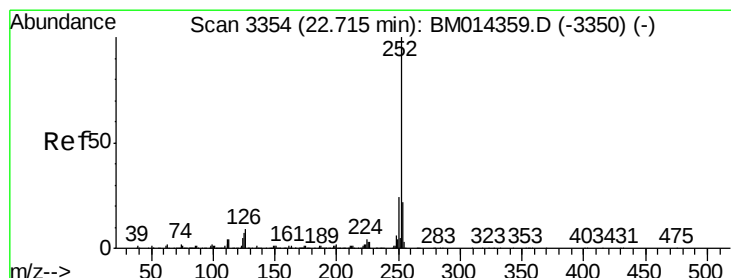
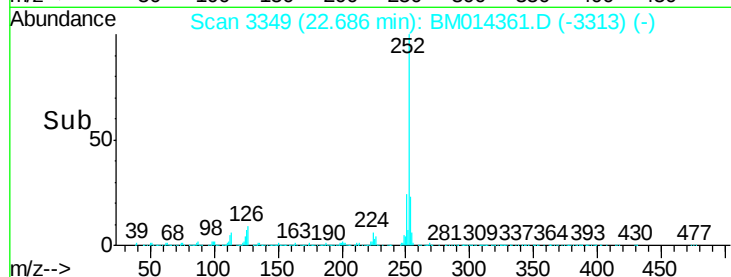
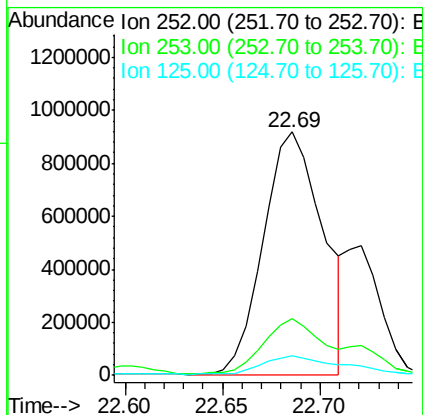
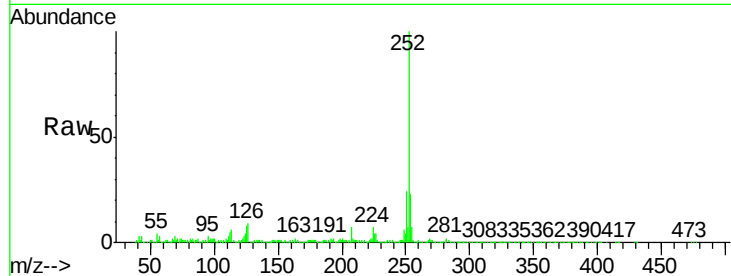
ClientSampled :

BE5Y6

Tgt Ion:	252	Resp:	1931799
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	7.8	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 18.562 ng/ul m

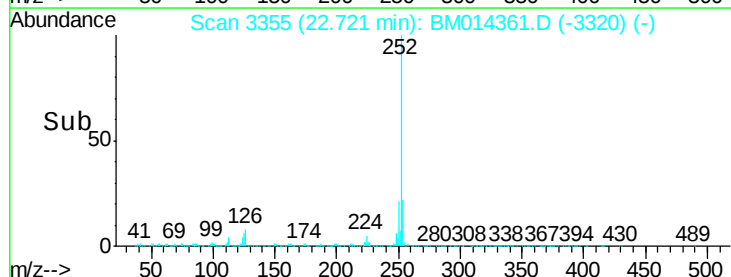
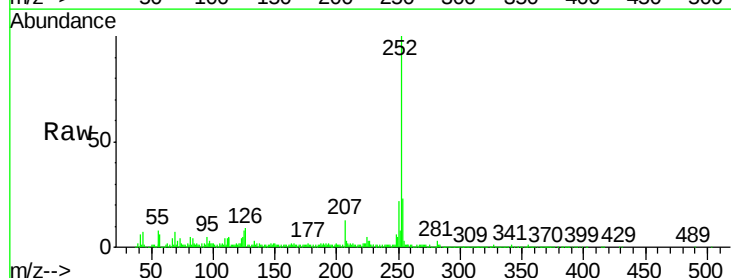
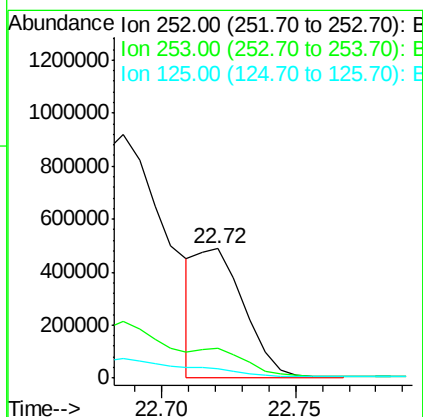
RT: 22.72 min Scan# 3355

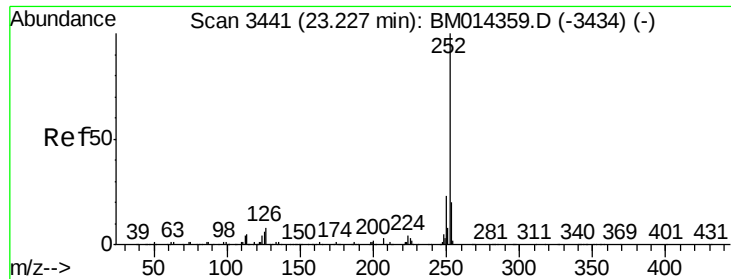
Delta R.T. 0.01 min

Lab File: BM014361.D

Acq: 26 Feb 2018 17:59

Tgt Ion:	252	Resp:	600549
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	7.7	3.4	5.2#





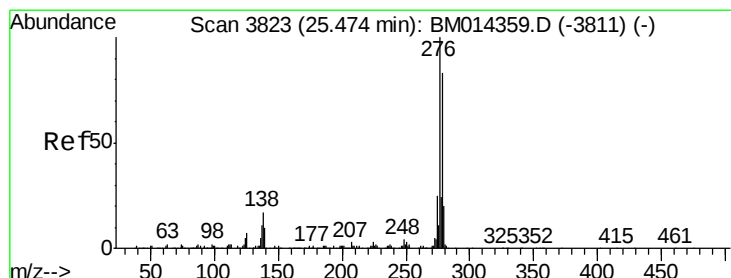
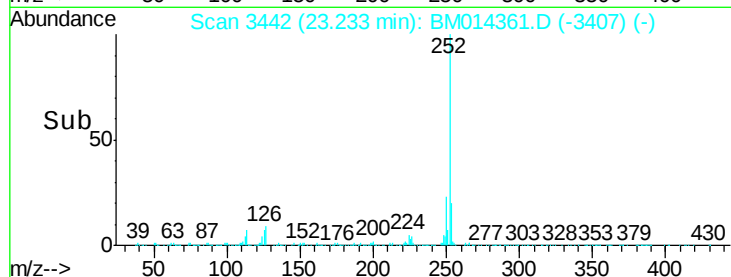
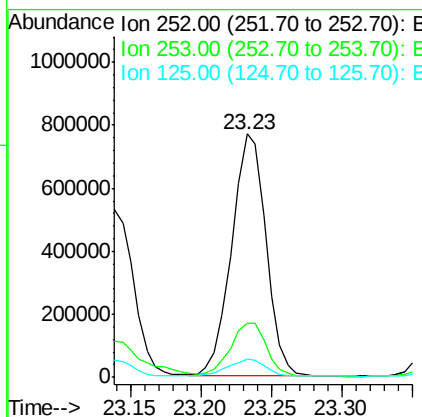
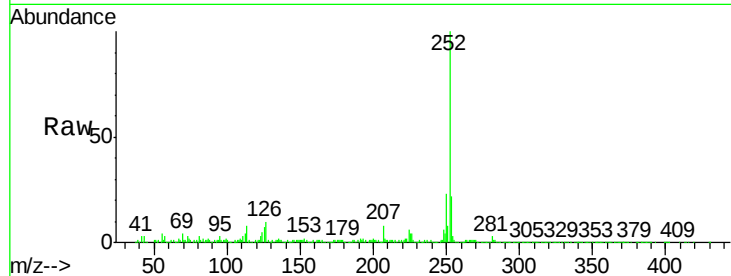
#88
Benzo(a)pyrene
Concen: 43.176 ng/u1
RT: 23.23 min Scan# 3442
Delta R.T. 0.01 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_M
ClientSampled :
BE5Y6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	7.4	4.0	6.0

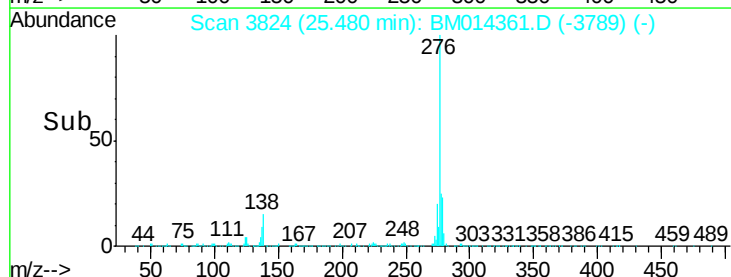
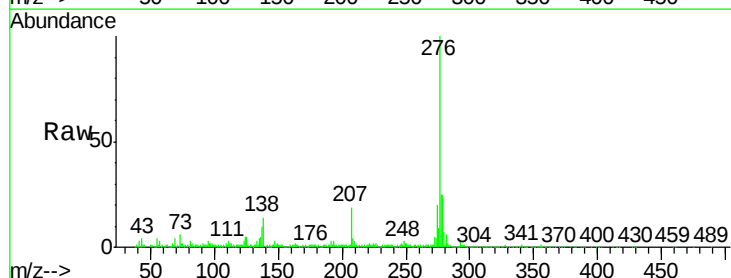
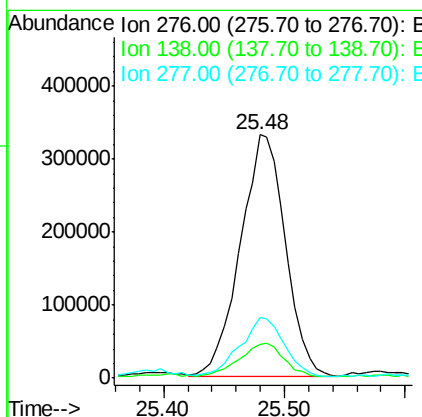
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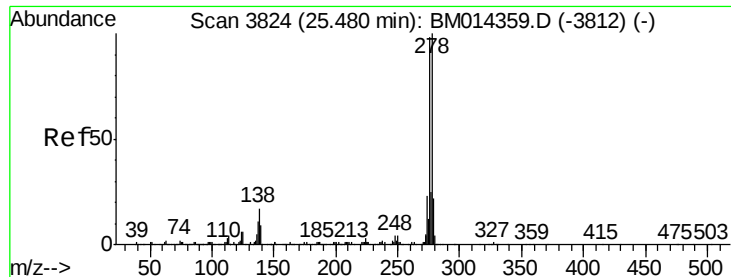
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#89
Indeno(1,2,3-cd)pyrene
Concen: 29.032 ng/u1
RT: 25.48 min Scan# 3824
Delta R.T. 0.01 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9
277	24.8	19.9	29.9





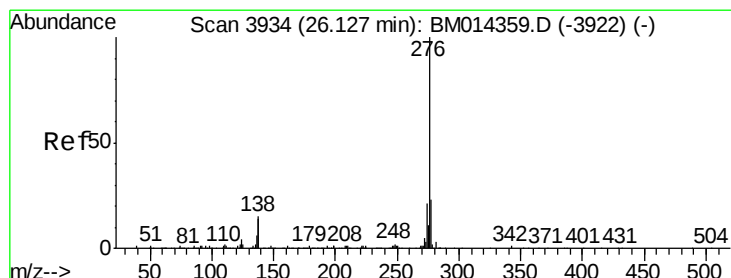
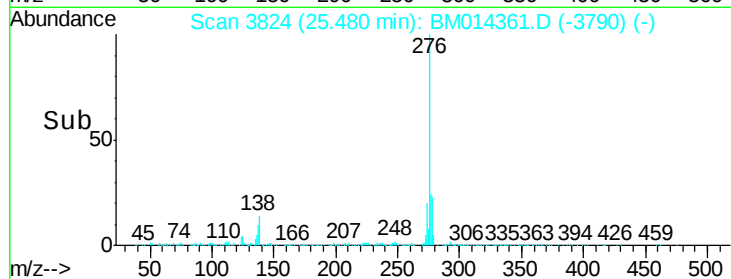
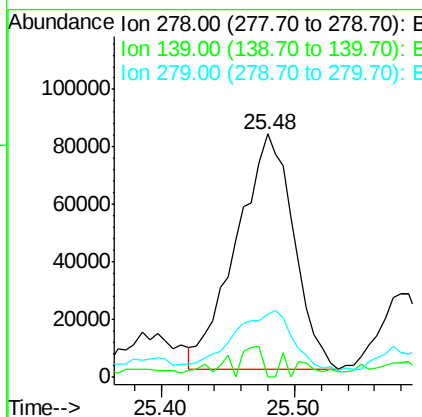
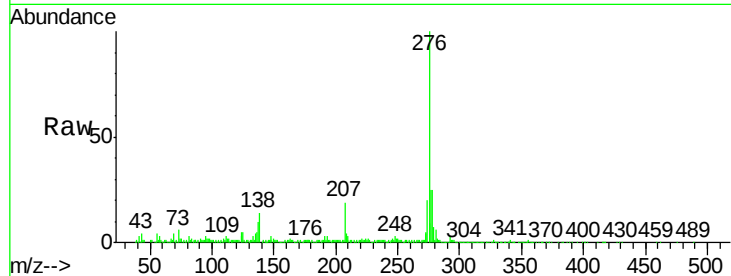
#90
Dibenzo(a,h)anthracene
Concen: 9.889 ng/ul
RT: 25.48 min Scan# 3824
Delta R.T. 0.00 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_M
ClientSampleId :
BE5Y6

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	26.2	18.6	27.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 26.315 ng/ul
RT: 26.14 min Scan# 3937
Delta R.T. 0.02 min
Lab File: BM014361.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.8	8.5	12.7#
277	25.9	18.6	28.0

