

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014463.D
 Acq On : 02 Mar 2018 15:55
 Operator : SJ/JU
 Sample : J1678-21RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4RE

Manual Integrations
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 3/5/2018 3:21:12 PM

Quant Time: Mar 02 23:52:31 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 22:33:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	83118	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	365433	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.18	164	224776	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	504730	20.00	ng/ul	0.02
75) Chrysene-d12	21.19	240	580499	20.00	ng/ul	0.03
83) Perylene-d12	23.39	264	384477m	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	8272m	4.26	ng/uL	0.00
5) Phenol-d5	6.74	99	216672	30.84	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	124680	29.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	181500	33.69	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	181175	29.47	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	94089	34.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	100618	36.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	200907	34.70	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	180996	31.73	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	686895	37.01	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	852621	37.25	ng/ul	0.01
51) 4-Nitrophenol-d4	14.50	143	69805	27.24	ng/ul	0.04
57) Fluorene-d10	15.19	176	591079	35.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	3921	1.29	ng/ul	0.04
70) Anthracene-d10	17.06	188	958416	39.36	ng/ul	0.02
76) Pyrene-d10	19.38	212	1074483	35.89	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.26	264	720968	38.53	ng/ul	0.06

Target Compounds

					Ovalue	
6) Phenol	6.76	94	18969	2.573	ng/ul	94
14) Acetophenone	8.36	105	14391	1.357	ng/ul#	85
16) 4-Methylphenol	8.33	108	10682m	1.739	ng/ul	
28) Naphthalene	10.34	128	267936	14.276	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	124633	8.724	ng/ul	87
40) 1,1'-Biphenyl	13.00	154	61544	3.554	ng/ul#	93
44) Dimethylphthalate	13.65	163	107604	5.879	ng/ul	99
47) Acenaphthylene	13.90	152	819551	37.882	ng/ul	99
49) Acenaphthene	14.25	153	490034	32.167	ng/ul	97
53) Dibenzofuran	14.59	168	813002	35.592	ng/ul	91
58) Fluorene	15.24	166	1199344	60.819	ng/ul	97
69) Phenanthrene	17.01	178	19843067m	682.350	ng/ul	
71) Anthracene	17.10	178	5648001	193.122	ng/ul	99
72) Carbazole	17.37	167	2006879	81.608	ng/ul	98
74) Fluoranthene	19.04	202	24519596m	705.733	ng/ul	
77) Pyrene	19.41	202	22924731m	594.238	ng/ul	
80) Benzo(a)anthracene	21.17	228	13555892	374.173	ng/ul	96
82) Chrysene	21.23	228	10569526m	312.736	ng/ul	
85) Benzo(b)fluoranthene	22.75	252	12839403	498.736	ng/ul#	98
86) Benzo(k)fluoranthene	22.79	252	3457955m	141.278	ng/ul	
88) Benzo(a)pyrene	23.31	252	8659671m	376.429	ng/ul	
89) Indeno(1,2,3-cd)pyrene	25.63	276	5167525m	231.487	ng/ul	
90) Dibenz(a,h)anthracene	25.61	278	1267593m	68.337	ng/ul	

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 02 22:33:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.31	276	3693048m	204.217	ng/ul	

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

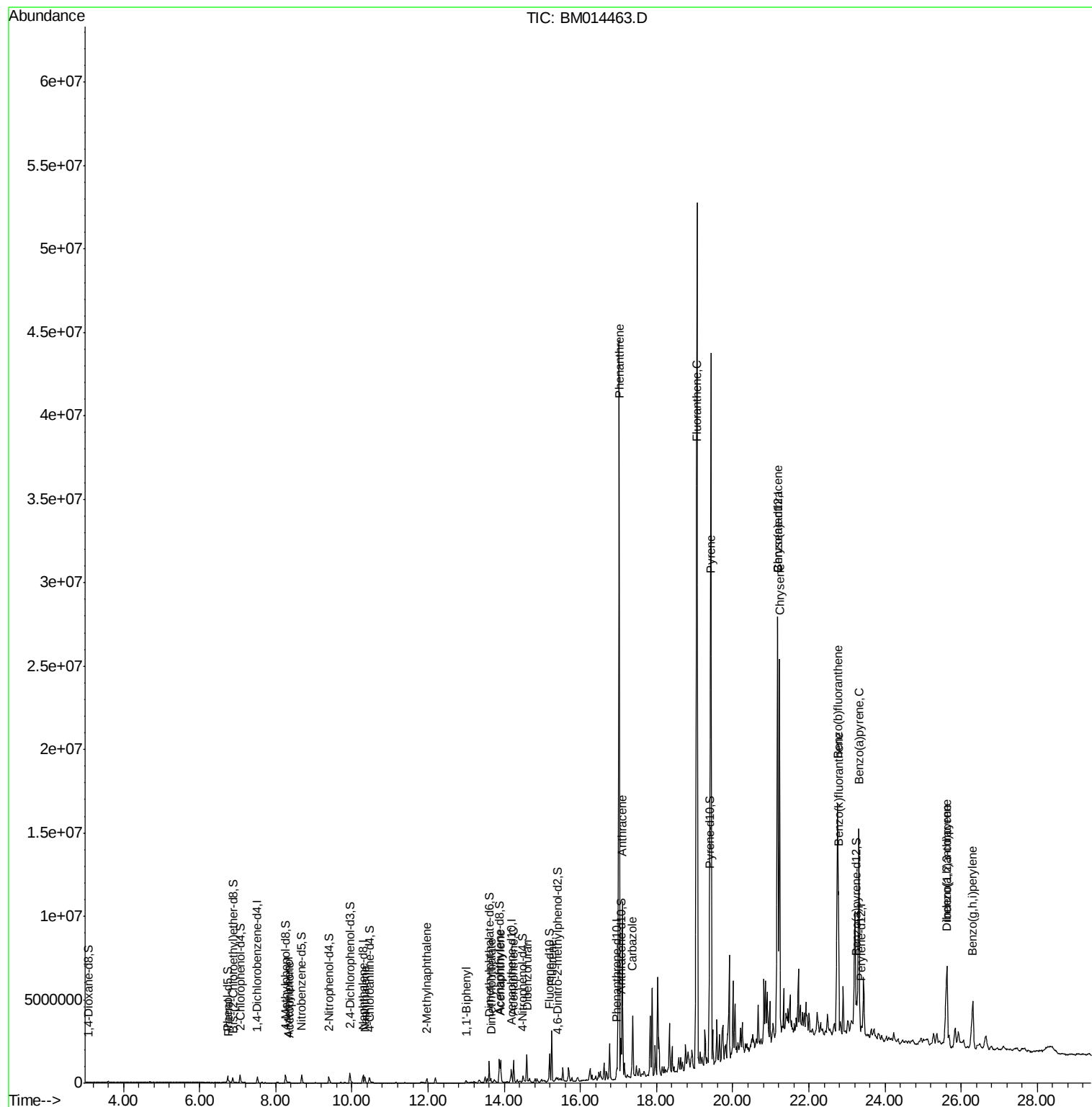
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014463.D
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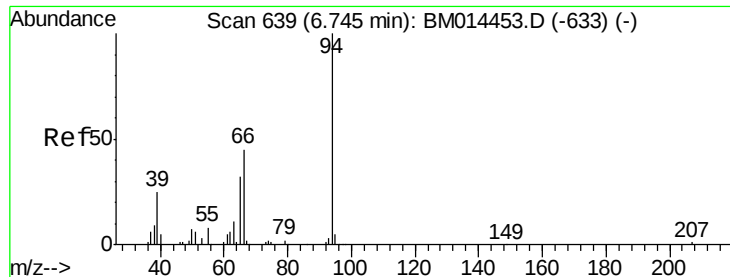
Instrument :
BNA_M
ClientSampleId :
BE5Z4RE

Manual Integrations
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Quant Time: Mar 02 23:52:31 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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#6

Phenol

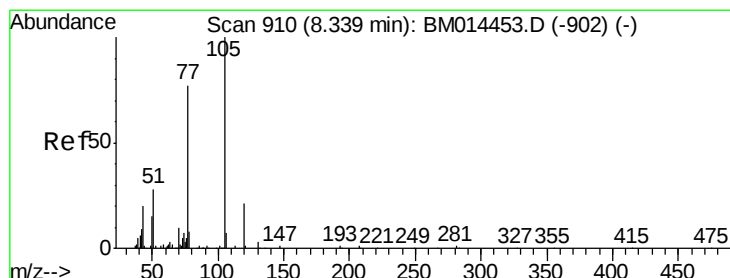
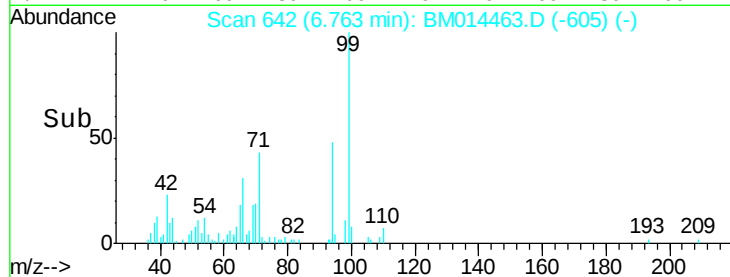
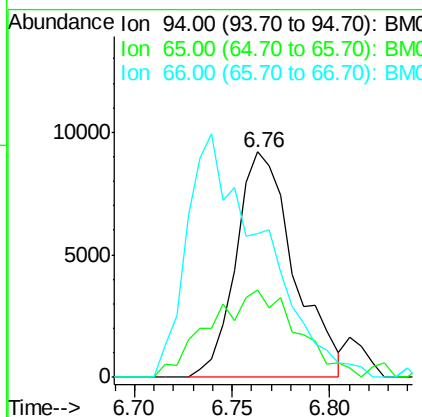
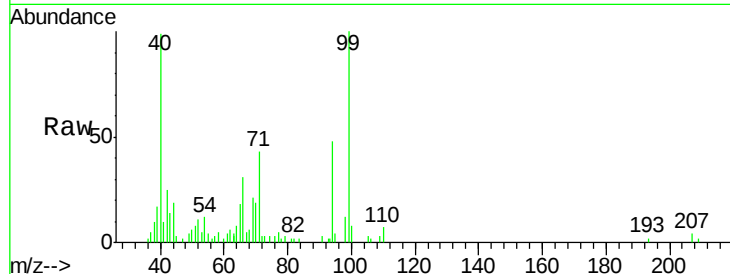
Concen: 2.573 ng/ul
 RT: 6.76 min Scan# 642
 Delta R.T. 0.02 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z4RE

Tot Ion:	94	Resp:	18969
Ion	Ratio	Lower	Upper
94	100		
65	38.5	28.2	42.4
66	63.8	47.2	70.8

Manual Integrations
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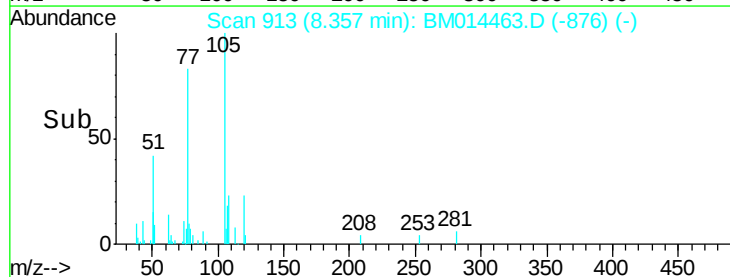
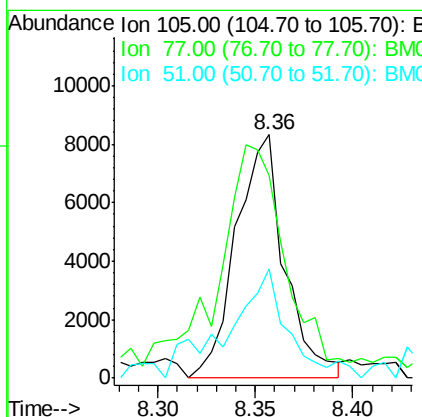
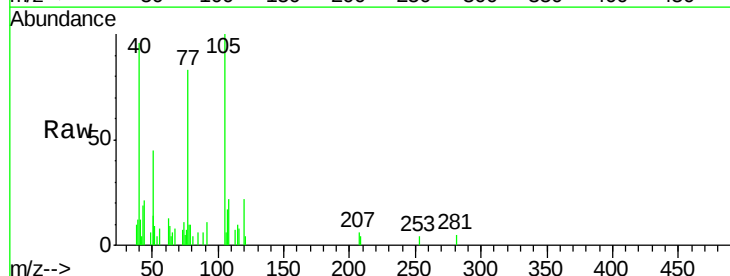


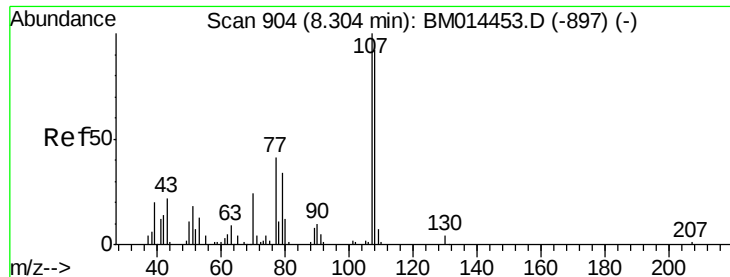
#14

Acetophenone

Concen: 1.357 ng/ul
 RT: 8.36 min Scan# 913
 Delta R.T. 0.02 min
 Lab File: BM014463.D
 Acq: 02 Mar 2018 15:55

Tgt Ion:	105	Resp:	14391
Ion	Ratio	Lower	Upper
105	100		
77	83.2	74.2	111.4
51	44.9	23.4	35.2





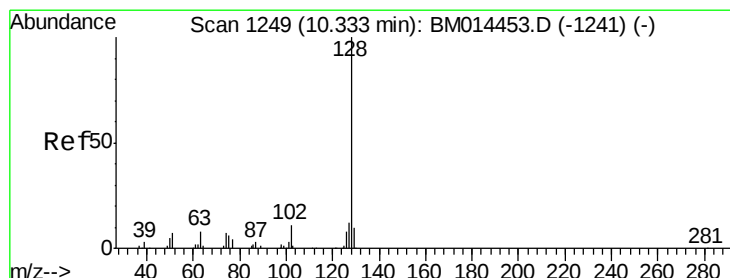
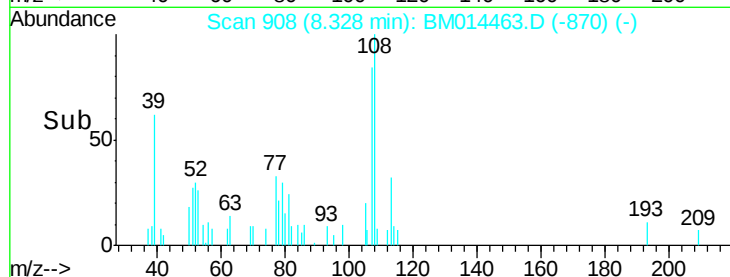
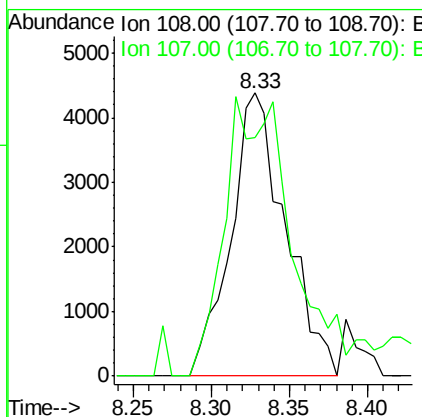
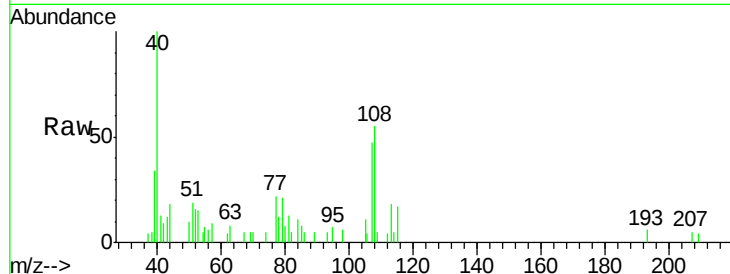
#16
4-Methylphenol
Concen: 1.739 ng/ul m
RT: 8.33 min Scan# 908
Delta R.T. 0.02 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :
BE5Z4RE

Tot Ion:108 Resp: 10682
Ion Ratio Lower Upper
108 100
107 84.3 84.9 127.3#

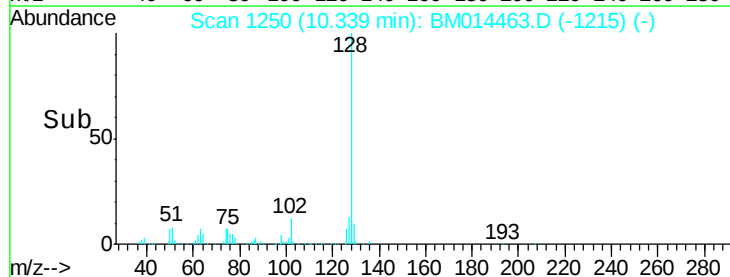
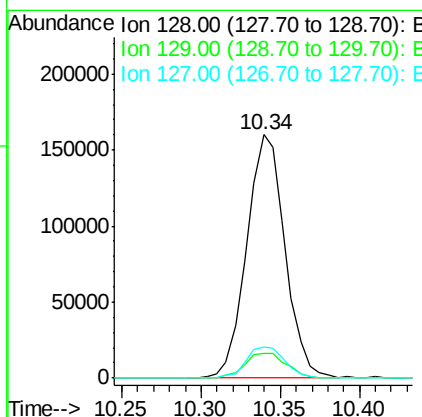
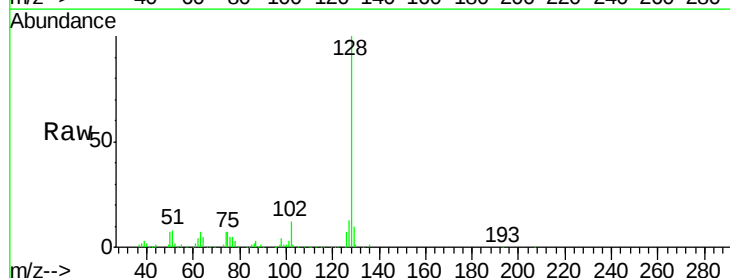
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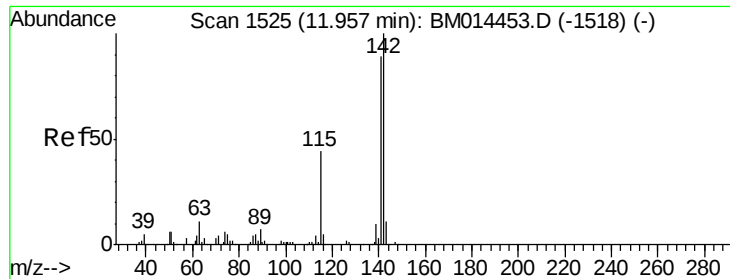
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#28
Naphthalene
Concen: 14.276 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:128 Resp: 267936
Ion Ratio Lower Upper
128 100
129 10.3 8.8 13.2
127 13.0 10.6 16.0





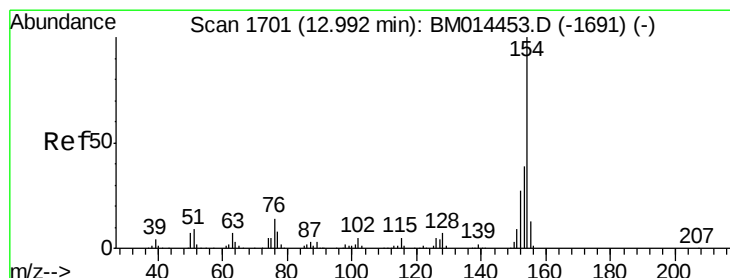
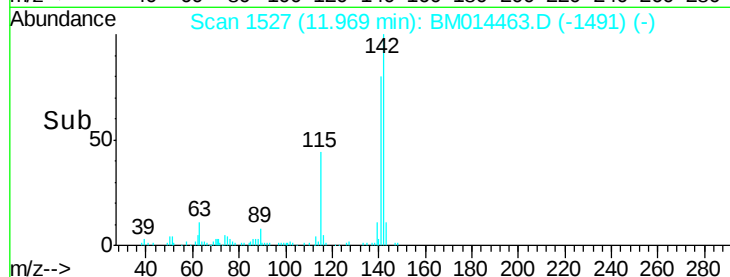
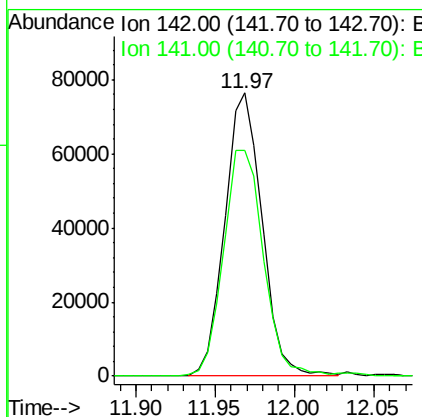
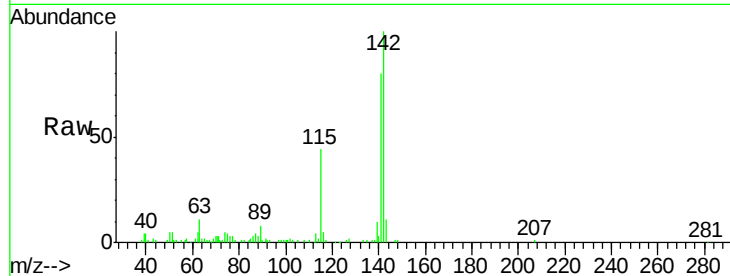
#34
2-Methylnaphthalene
Concen: 8.724 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :
BE5Z4RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	79.9	74.1	111.1

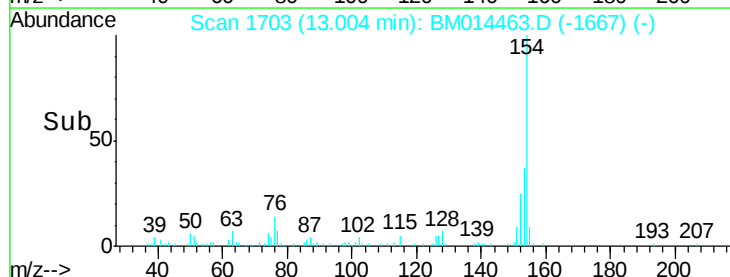
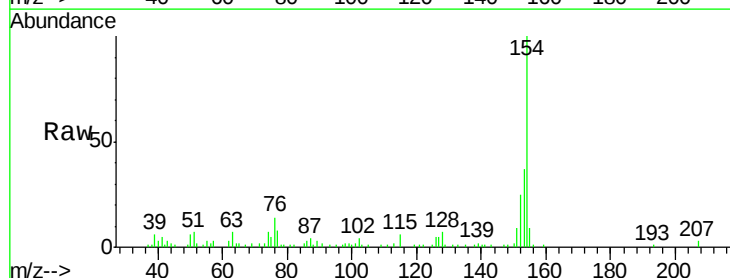
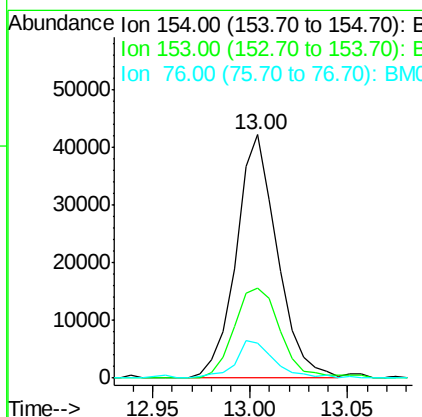
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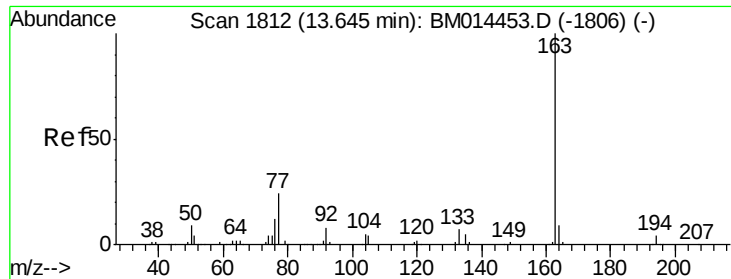
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#40
1,1'-Biphenyl
Concen: 3.554 ng/ul
RT: 13.00 min Scan# 1703
Delta R.T. 0.01 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.8	32.6	48.8
76	14.3	8.5	12.7





#44

Dimethylphthalate

Concen: 5.879 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

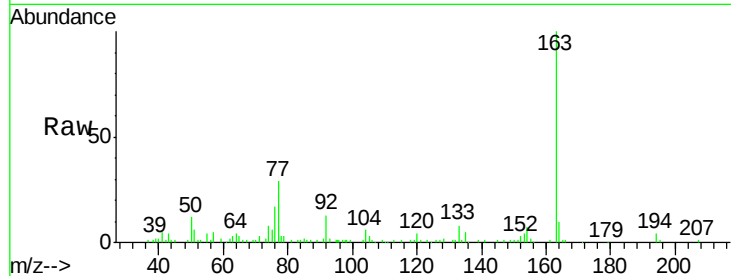
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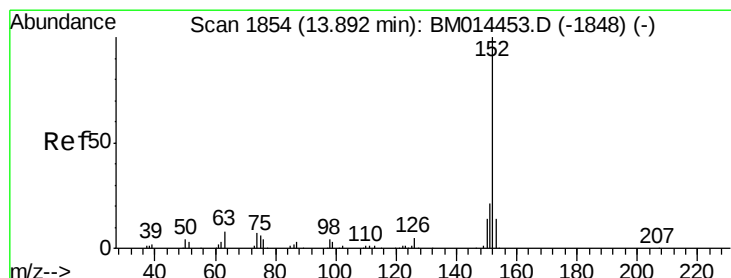
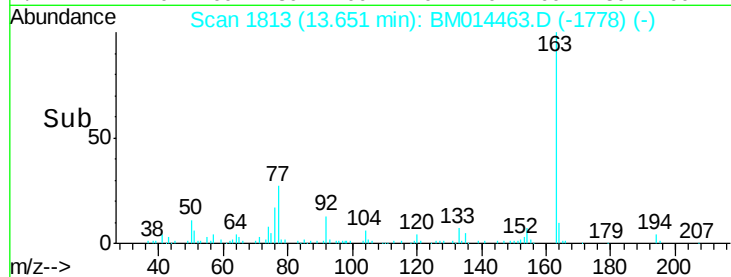
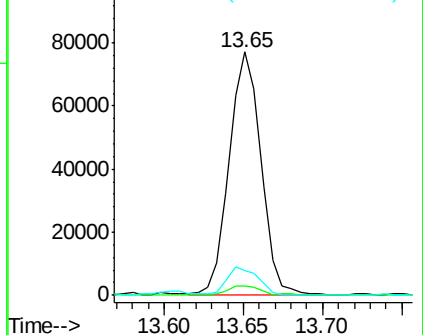
Tot Ion:	163	Resp:	107604
Ion Ratio		Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.0	8.2	12.4

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 37.882 ng/ul

RT: 13.90 min Scan# 1856

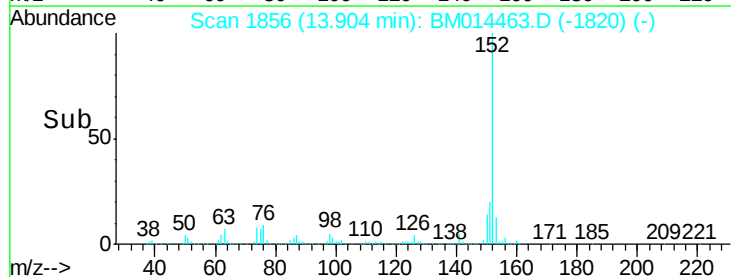
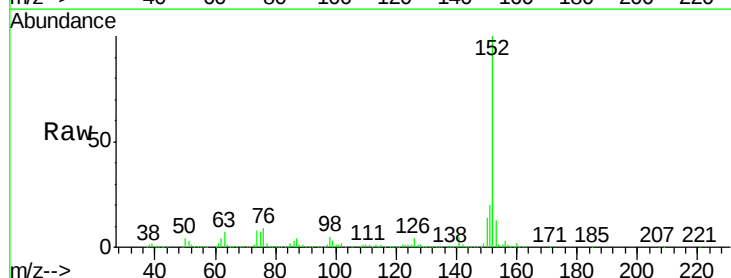
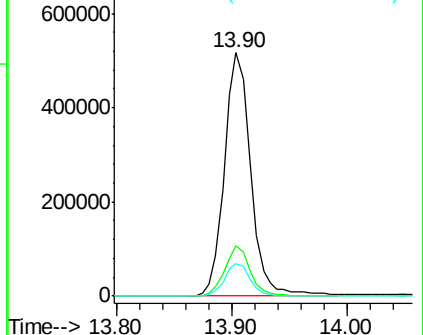
Delta R.T. 0.01 min

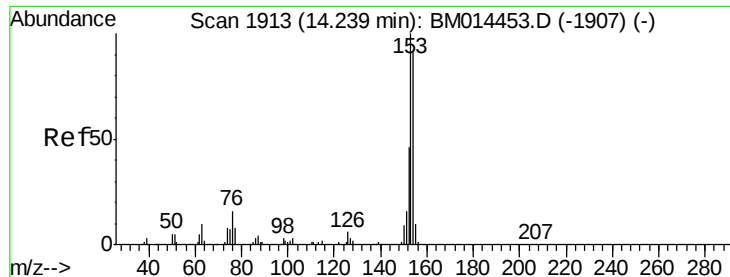
Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Tgt Ion:	152	Resp:	819551
Ion Ratio		Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.4	10.2	15.4

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 32.167 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

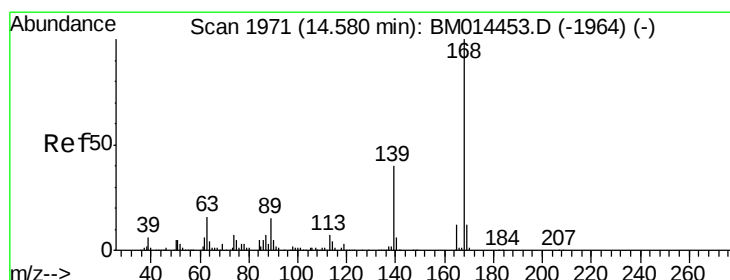
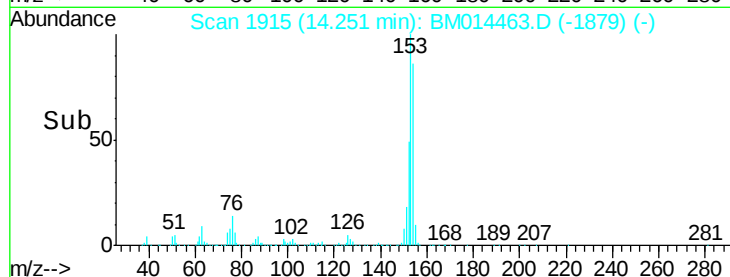
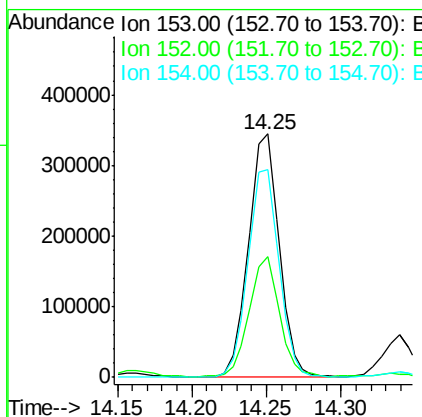
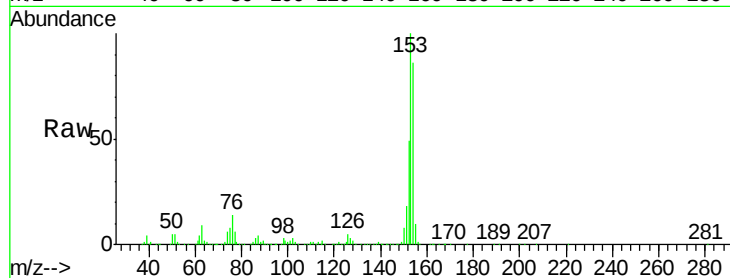
ClientSampleId :

BE5Z4RE

Tot Ion:	153	Resp:	490034
Ion Ratio	Lower	Upper	
153	100		
152	49.5	37.6	56.4
154	85.5	70.4	105.6

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#53

Dibenzofuran

Concen: 35.592 ng/ul

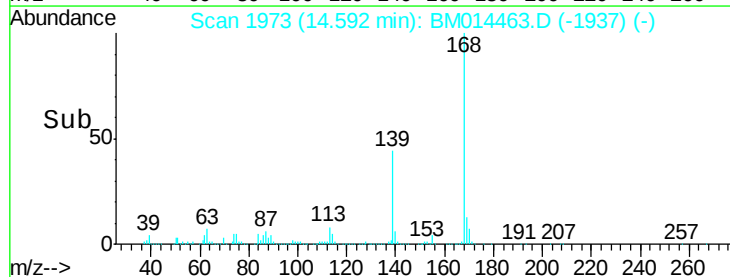
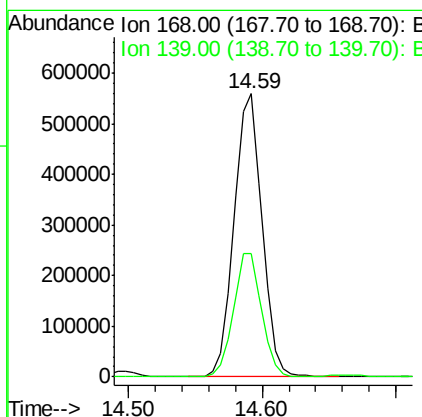
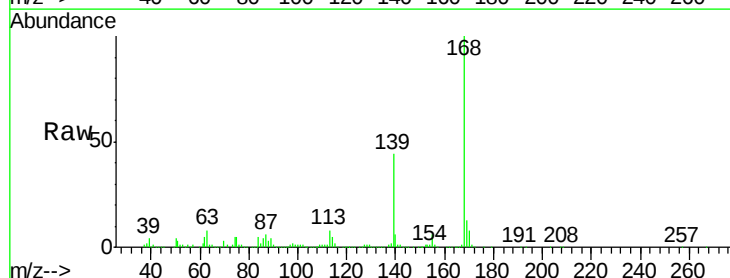
RT: 14.59 min Scan# 1973

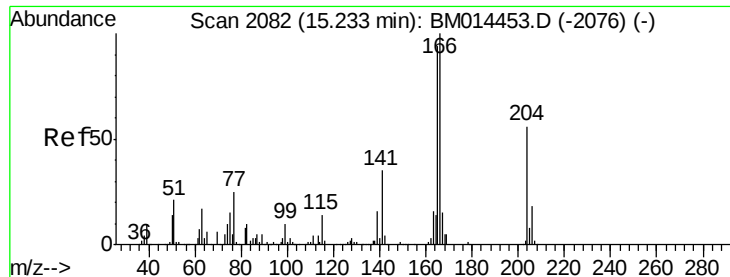
Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Tgt Ion:	168	Resp:	813002
Ion Ratio	Lower	Upper	
168	100		
139	43.7	30.8	46.2





#58

Fluorene

Concen: 60.819 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampled :

BE5Z4RE

Tot Ion:166 Resp: 1199344

Ion Ratio Lower Upper

166 100

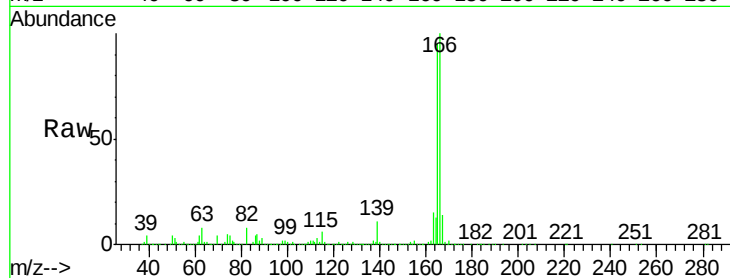
165 94.8 77.9 116.9

167 14.0 10.6 16.0

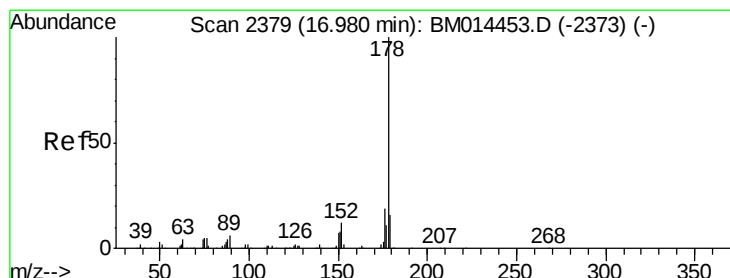
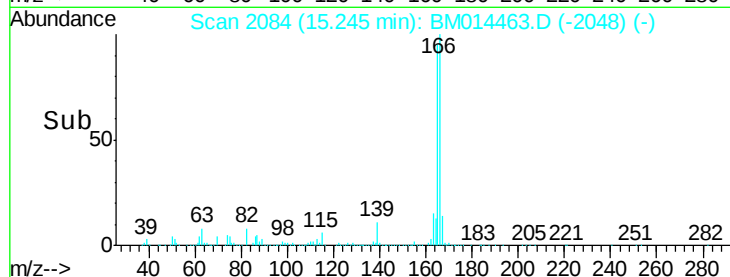
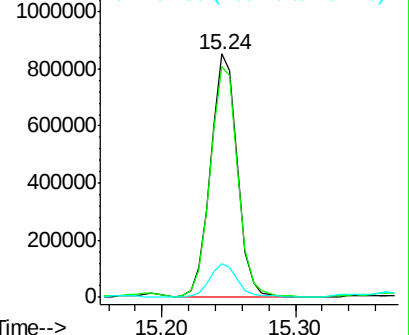
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 682.350 ng/ul m

RT: 17.01 min Scan# 2384

Delta R.T. 0.03 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

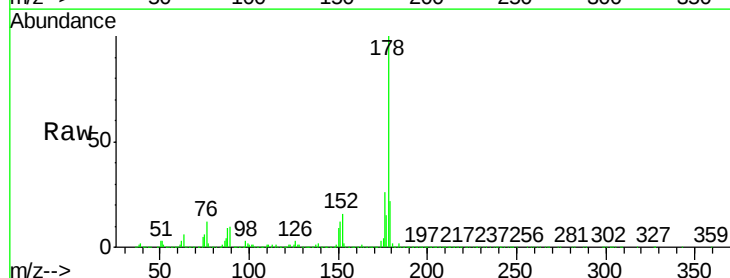
Tgt Ion:178 Resp:19843067

Ion Ratio Lower Upper

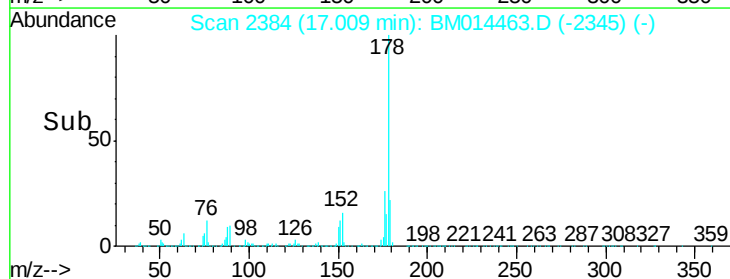
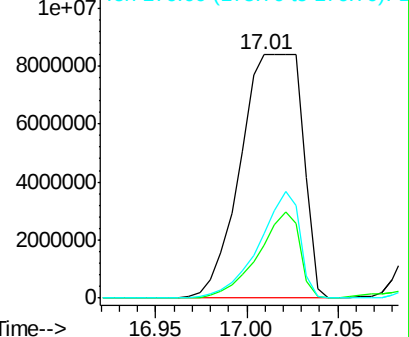
178 100

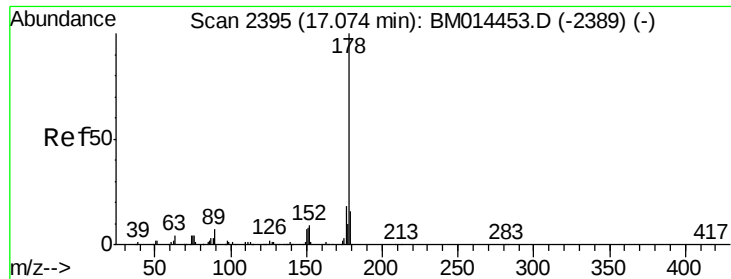
179 22.0 12.6 19.0#

176 26.5 14.9 22.3#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 193.122 ng/ul

RT: 17.10 min Scan# 2399

Delta R.T. 0.02 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

BE5Z4RE

Tot Ion:178 Resp: 5648001

Ion Ratio Lower Upper

178 100

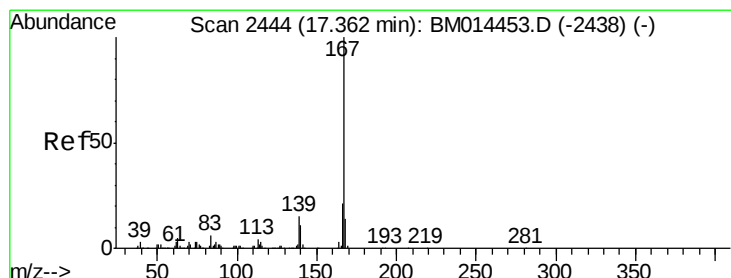
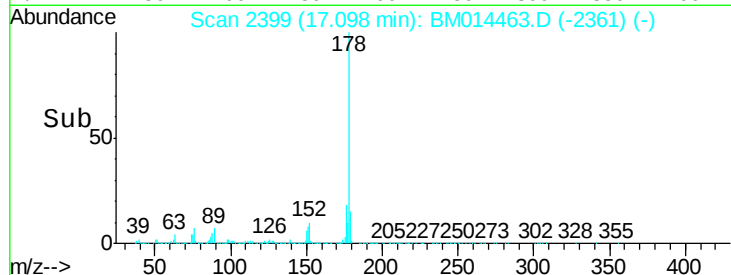
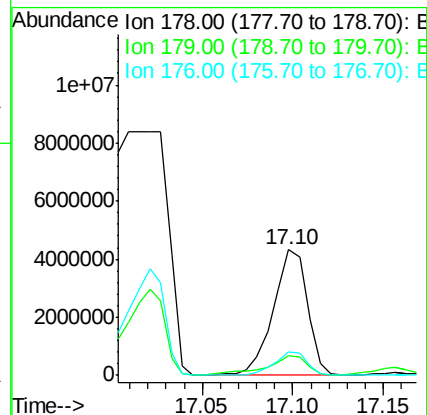
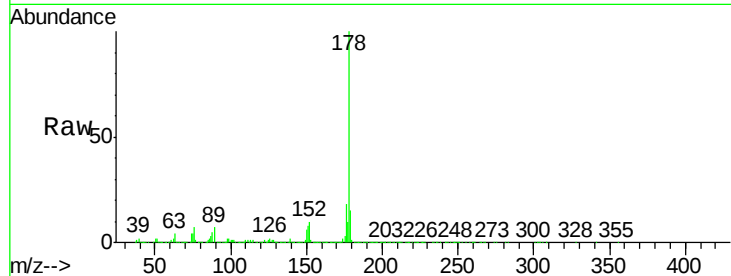
179 15.3 11.7 17.5

176 18.3 14.6 21.8

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#72

Carbazole

Concen: 81.608 ng/ul

RT: 17.37 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

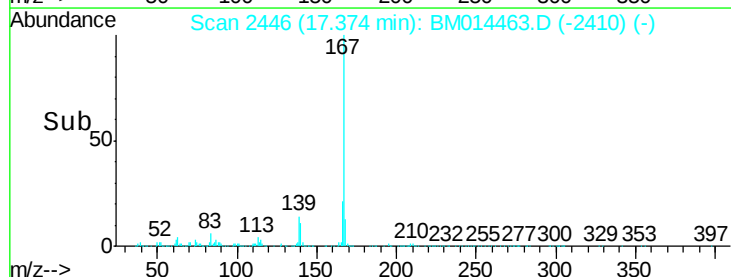
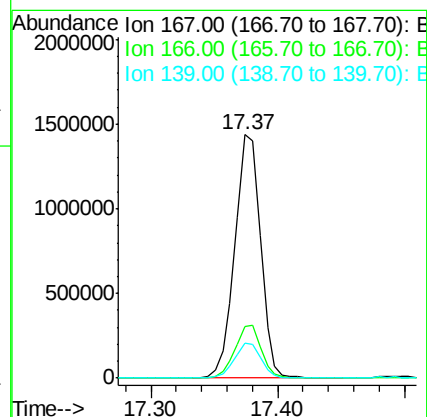
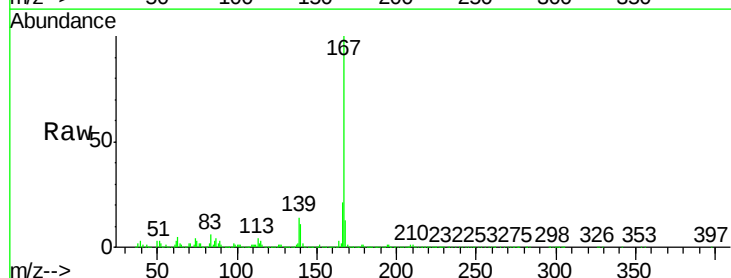
Tgt Ion:167 Resp: 2006879

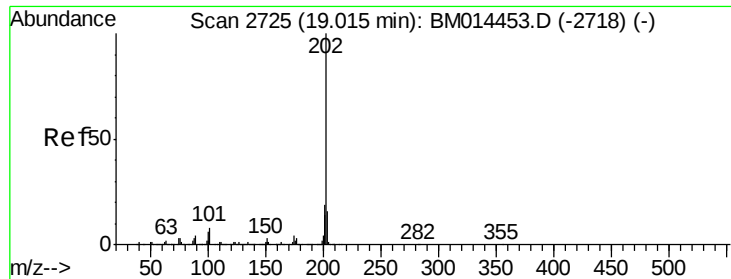
Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

139 14.4 10.0 15.0





#74

Fluoranthene

Concen: 705.733 ng/ul m

RT: 19.04 min Scan# 2730

Delta R.T. 0.03 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampled :

BE5Z4RE

Tot Ion:202 Resp:24519596

Ion Ratio Lower Upper

202 100

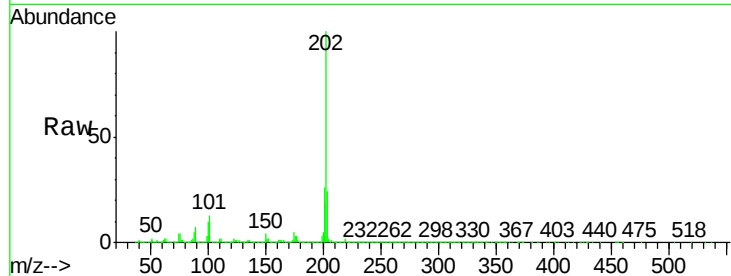
101 12.7 4.6 7.0#

100 9.9 3.4 5.2#

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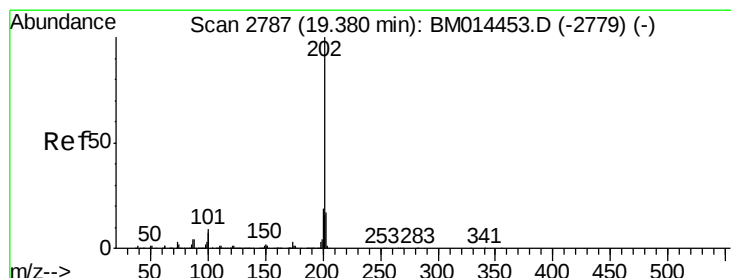
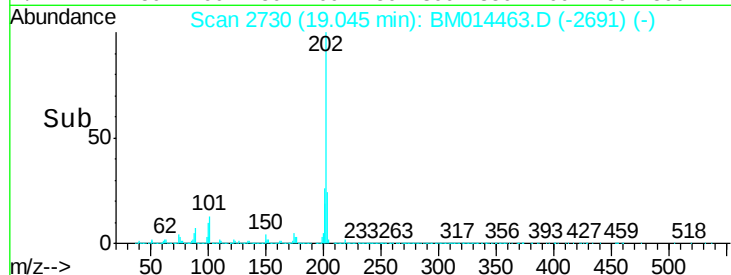
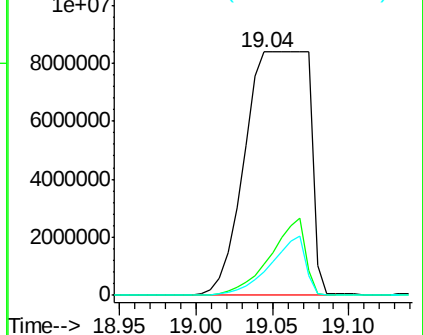
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 594.238 ng/ul m

RT: 19.41 min Scan# 2792

Delta R.T. 0.03 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

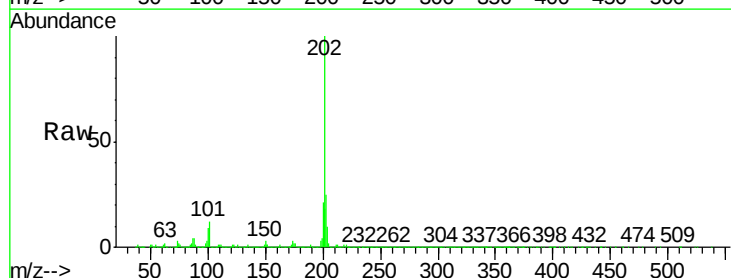
Tgt Ion:202 Resp:22924731

Ion Ratio Lower Upper

202 100

101 11.5 5.1 7.7#

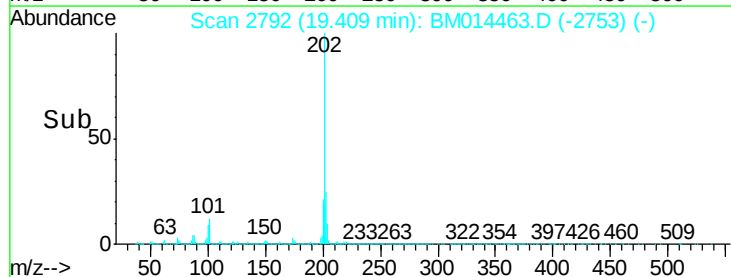
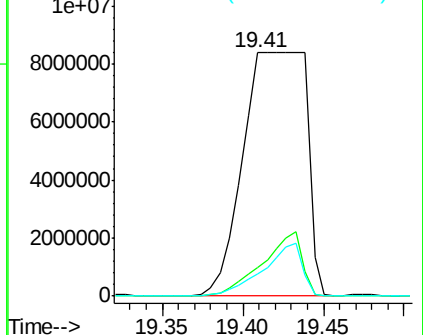
100 8.9 4.9 7.3#

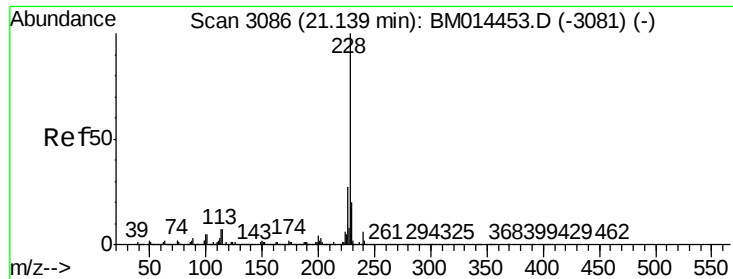


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





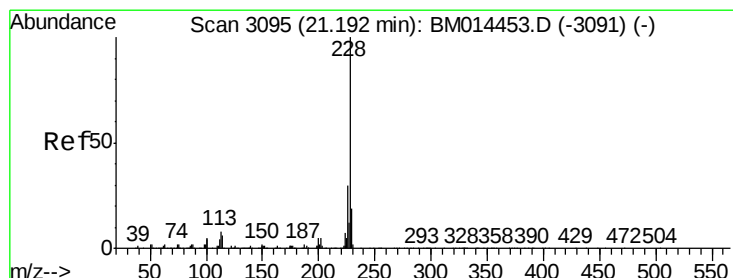
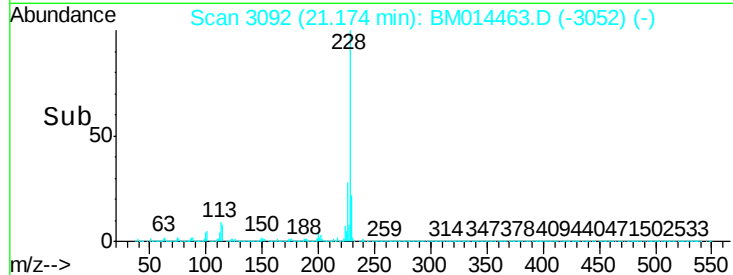
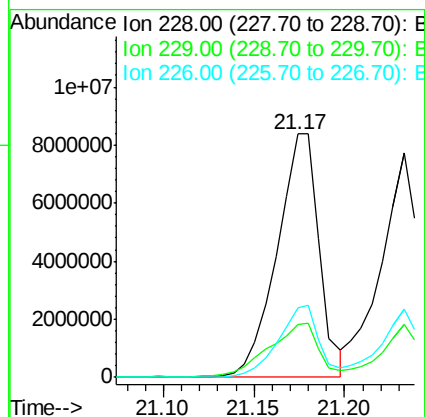
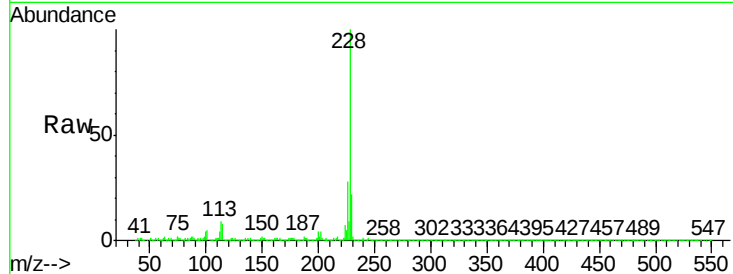
#80
Benzo(a)anthracene
Concen: 374.173 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. 0.04 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampled :
BE5Z4RE

Tot Ion:228 Resp:13555892
Ion Ratio Lower Upper
228 100
229 21.9 15.4 23.0
226 28.4 21.4 32.0

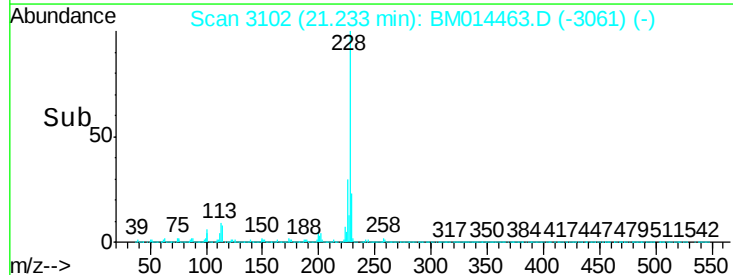
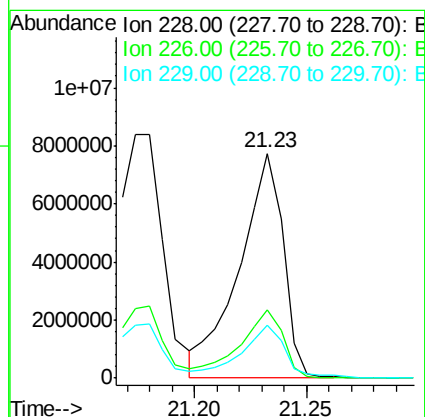
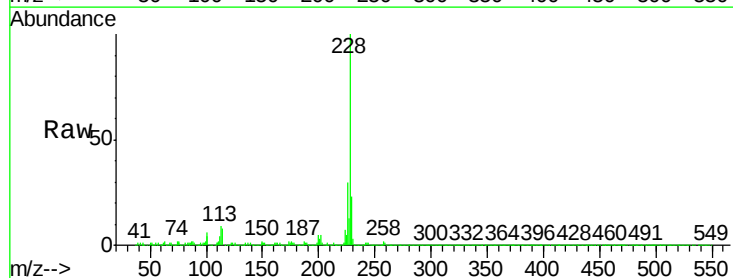
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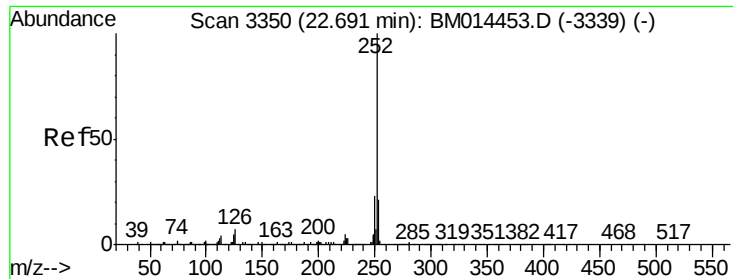
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#82
Chrysene
Concen: 312.736 ng/ul m
RT: 21.23 min Scan# 3102
Delta R.T. 0.04 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:228 Resp:10569526
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.2
229 23.5 15.5 23.3#





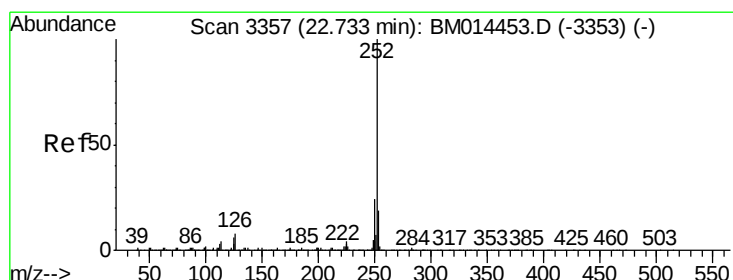
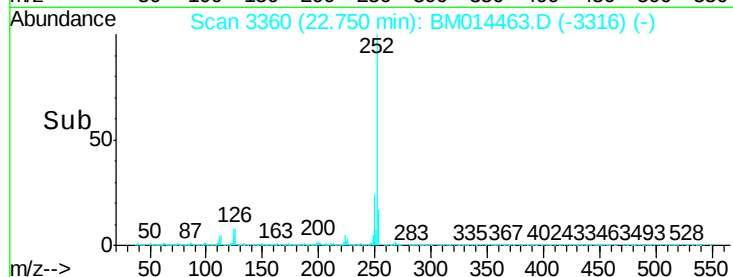
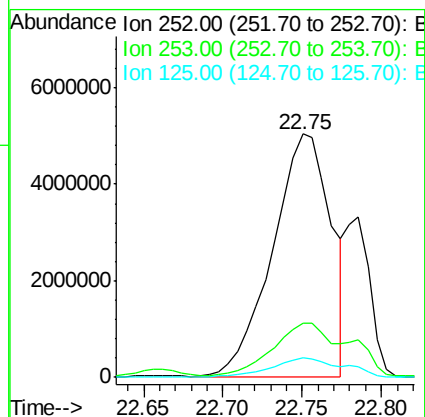
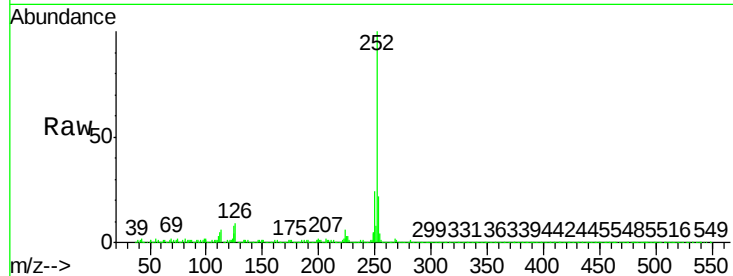
#85
Benzo(b)fluoranthene
Concen: 498.736 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. 0.06 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :
BE5Z4RE

Tot Ion:252 Resp:12839403
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 7.9 3.6 5.4#

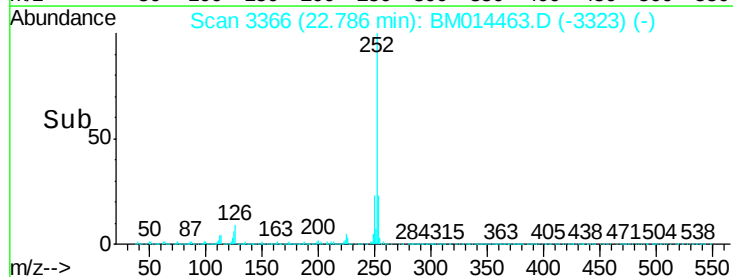
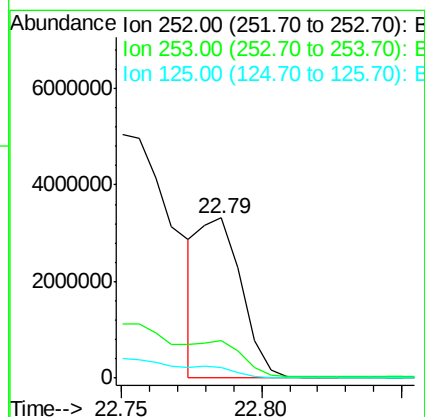
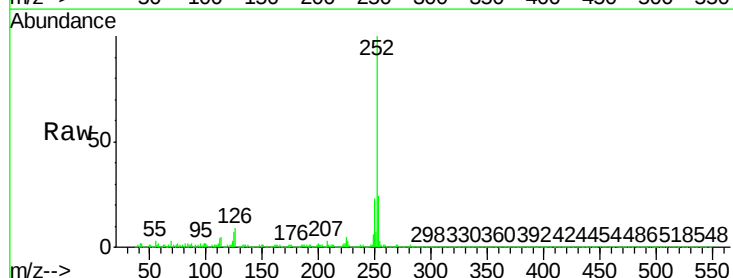
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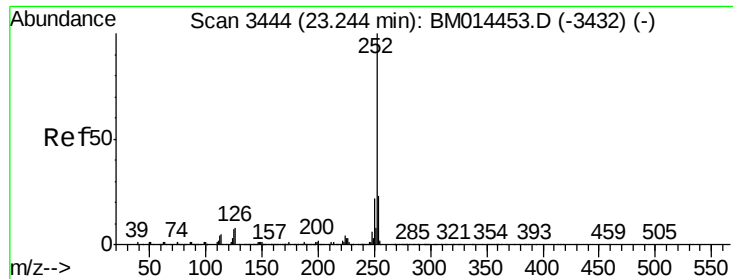
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#86
Benzo(k)fluoranthene
Concen: 141.278 ng/ul m
RT: 22.79 min Scan# 3366
Delta R.T. 0.05 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:252 Resp: 3457955
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 6.5 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 376.429 ng/ul m

RT: 23.31 min Scan# 3456

Delta R.T. 0.07 min

Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Instrument :

BNA_M

ClientSampleId :

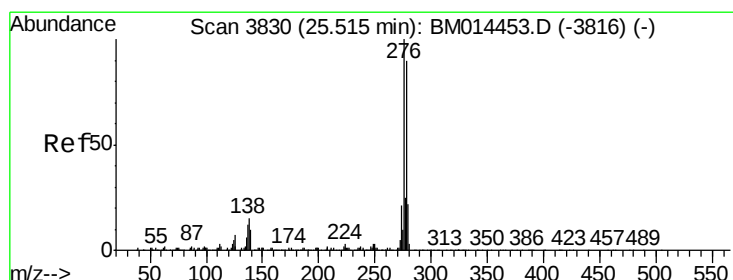
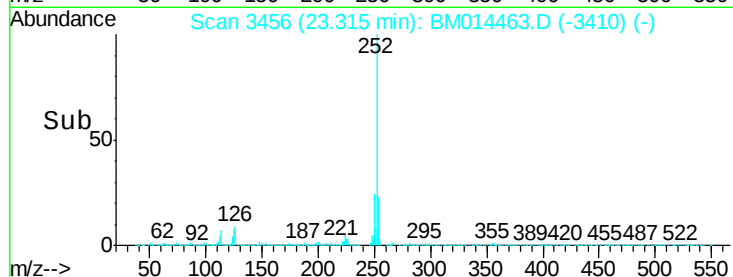
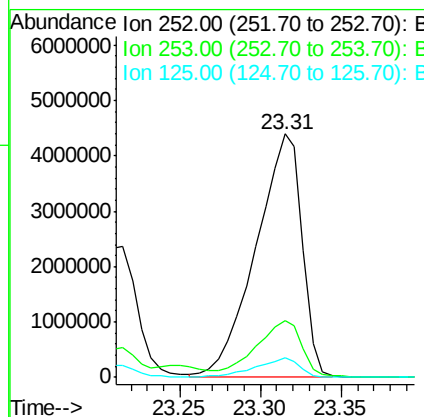
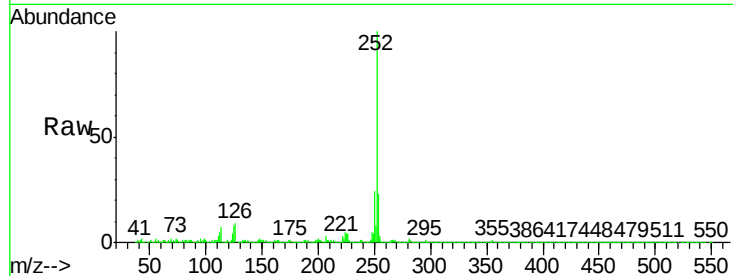
BE5Z4RE

Tot Ion:252 Resp: 8659671

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	7.9	4.0	6.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 231.487 ng/ul m

RT: 25.63 min Scan# 3849

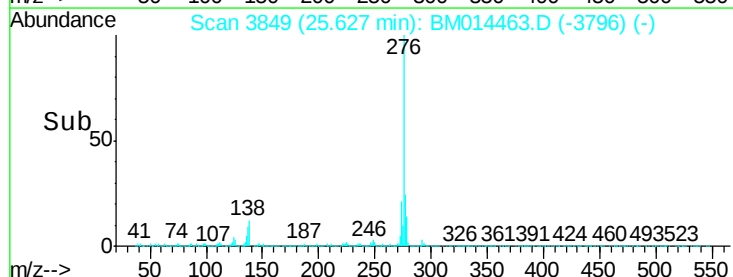
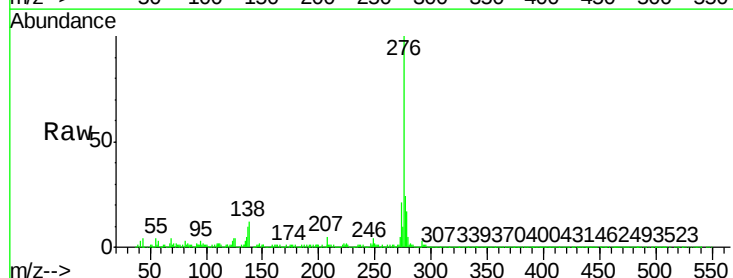
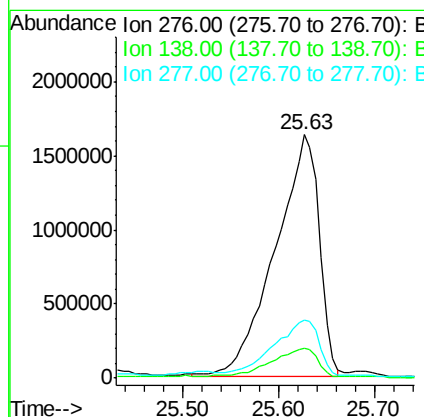
Delta R.T. 0.11 min

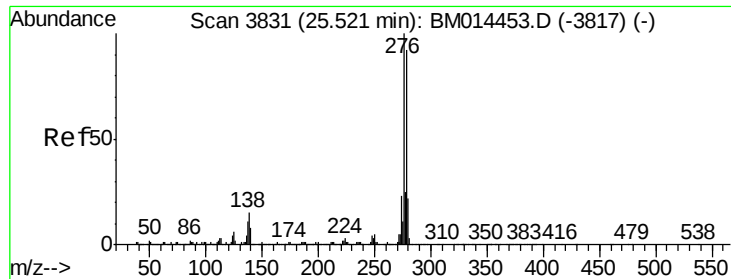
Lab File: BM014463.D

Acq: 02 Mar 2018 15:55

Tgt Ion:276 Resp: 5167525

Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.3	13.9
277	24.1	19.9	29.9





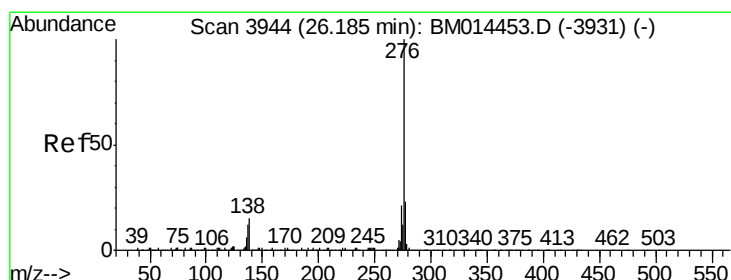
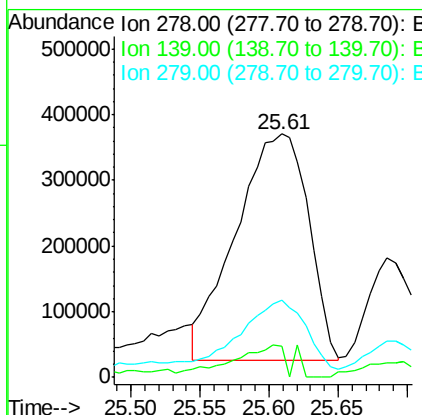
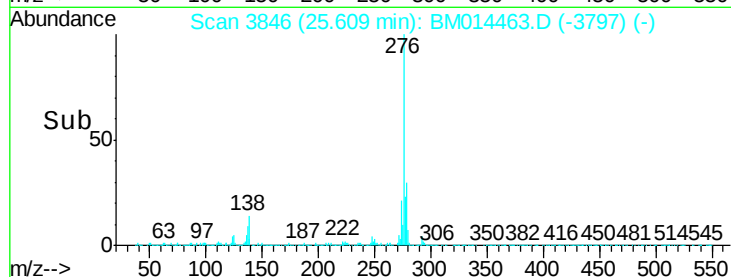
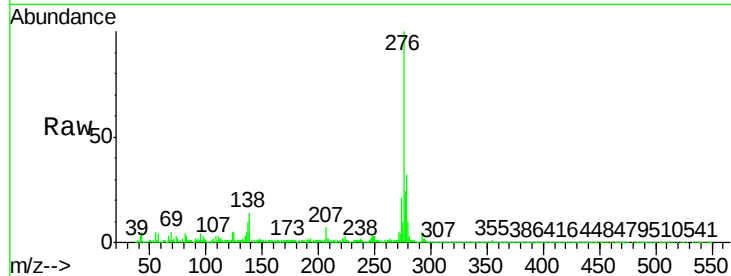
#90
Dibenzo(a,h)anthracene
Concen: 68.337 ng/ul m
RT: 25.61 min Scan# 3846
Delta R.T. 0.09 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Instrument :
BNA_M
ClientSampleId :
BE5Z4RE

Tot Ion:278 Resp: 1267593
Ion Ratio Lower Upper
278 100
139 12.6 5.8 8.8#
279 31.5 18.6 27.8#

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#91
Benzo(g,h,i)perylene
Concen: 204.217 ng/ul m
RT: 26.31 min Scan# 3965
Delta R.T. 0.12 min
Lab File: BM014463.D
Acq: 02 Mar 2018 15:55

Tgt Ion:276 Resp: 3693048
Ion Ratio Lower Upper
276 100
138 13.4 8.5 12.7#
277 25.9 18.6 28.0

