

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
 Data File : BM014442.D
 Acq On : 01 Mar 2018 20:46
 Operator : SJ/JU
 Sample : J1646-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z9

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:32:00 PM

Quant Time: Mar 02 10:50:30 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	60411	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	297462	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	209936	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	532411	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	653730	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	539273	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	4352	3.08	ng/uL	0.00
5) Phenol-d5	6.72	99	134236	26.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	81483	26.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	111344	28.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	106459	23.83	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	58022	26.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	67264	29.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	125708	26.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	83807	18.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	470441	27.14	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	612371	28.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	45829	19.15	ng/ul	0.04
57) Fluorene-d10	15.17	176	452777	29.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	21411	6.70	ng/ul	0.00
70) Anthracene-d10	17.03	188	760992	29.63	ng/ul	0.00
76) Pyrene-d10	19.34	212	954216	28.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	731057	27.85	ng/ul	0.01

Target Compounds

					Ovalue	
14) Acetophenone	8.34	105	21715	2.817	ng/ul#	88
44) Dimethylphthalate	13.64	163	108662	6.356	ng/ul#	99
47) Acenaphthylene	13.89	152	147847	7.317	ng/ul	96
49) Acenaphthene	14.23	153	15149	1.065	ng/ul#	79
58) Fluorene	15.23	166	22909	1.244	ng/ul	92
60) 4-Nitroaniline	15.29	138	284440	92.134	ng/ul#	81
69) Phenanthrene	16.97	178	639593	20.850	ng/ul	98
71) Anthracene	17.07	178	191229	6.199	ng/ul	96
72) Carbazole	17.35	167	61432	2.368	ng/ul#	86
74) Fluoranthene	19.01	202	2002393	54.637	ng/ul#	92
77) Pyrene	19.37	202	1927598	44.369	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	1048434	25.697	ng/ul	97
82) Chrysene	21.19	228	937512	24.632	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1218824	33.754	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	369003m	10.748	ng/ul	
88) Benzo(a)pyrene	23.24	252	851714	26.396	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.51	276	590137	18.848	ng/ul	99
90) Dibenzo(a,h)anthracene	25.51	278	177779m	6.833	ng/ul	
91) Benzo(g,h,i)perylene	26.19	276	531913	20.971	ng/ul#	93

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

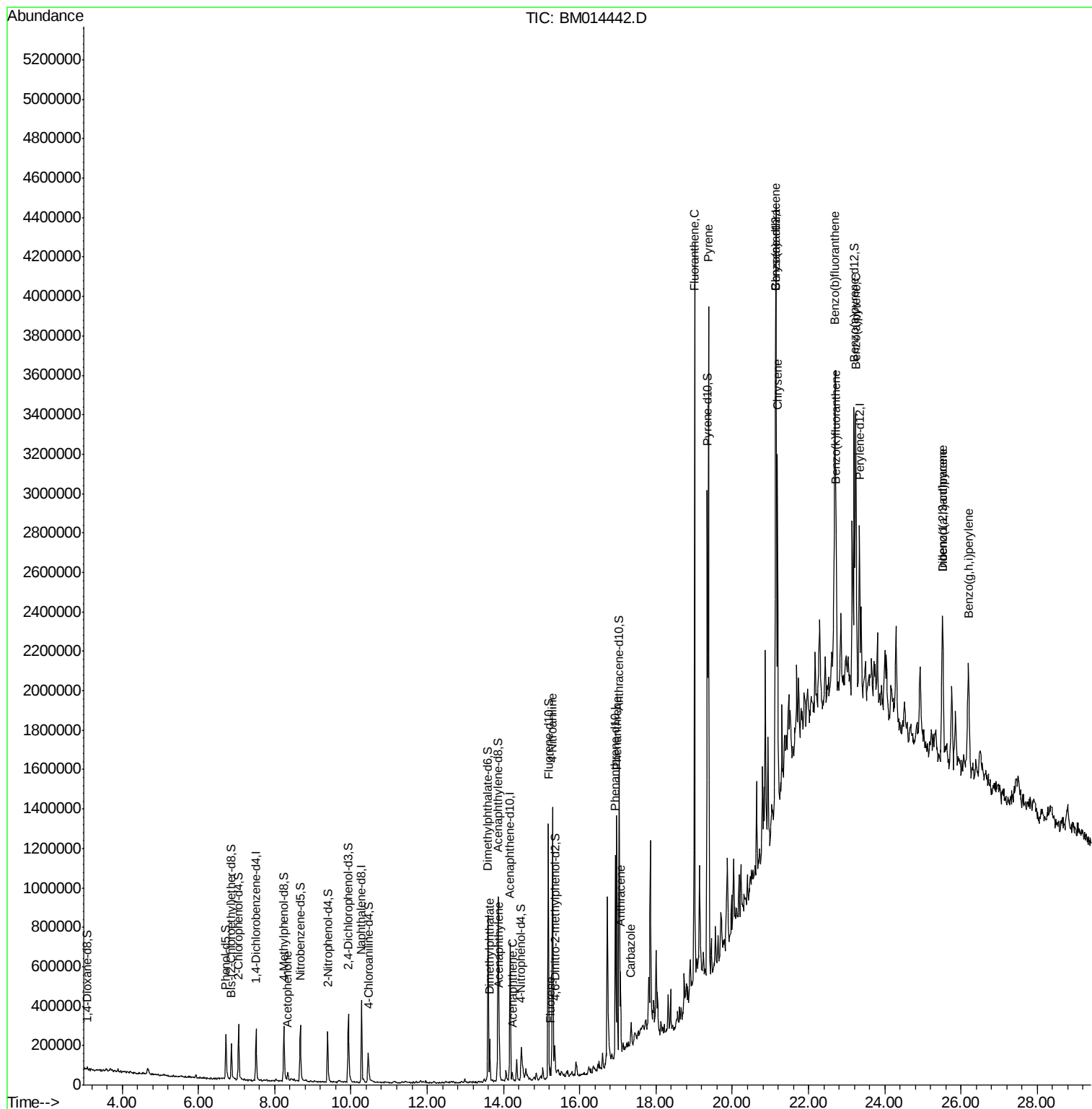
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014442.D
Acq On : 01 Mar 2018 20:46
Operator : SJ/JU
Sample : J1646-21
Misc :
ALS Vial : 6 Sample Multiplier: 1

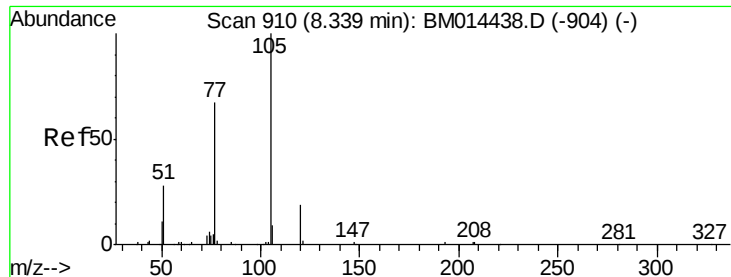
Instrument :
BNA_M
ClientSampleID :
BE5Z9

Quant Time: Mar 02 10:50:30 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 01 03:03:26 2018
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#14

Acetophenone

Concen: 2.817 ng/ul

RT: 8.34 min Scan# 910

Delta R.T. 0.00 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Instrument :

BNA_M

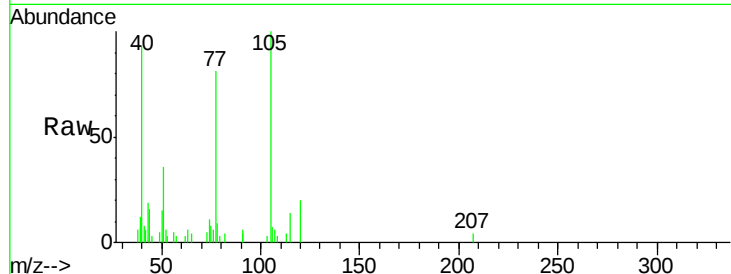
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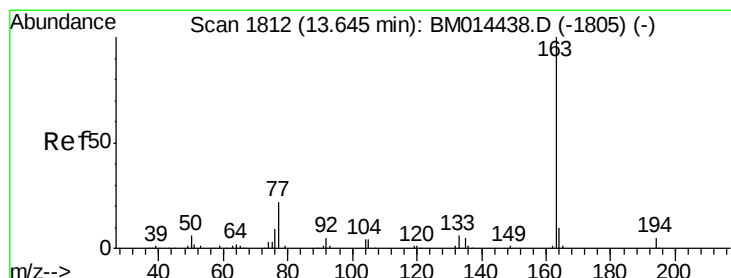
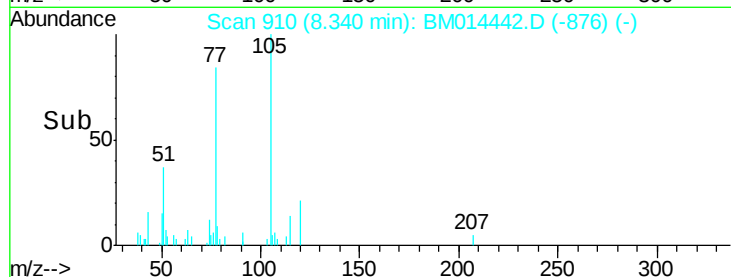
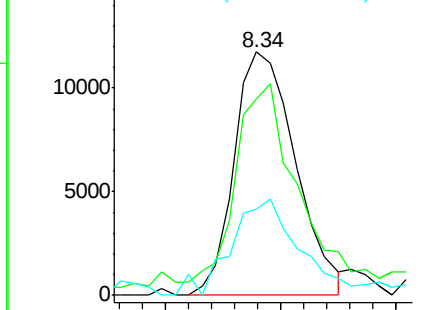
Tot Ion:	105	Resp:	21715
Ion Ratio	Lower	Upper	
105	100		
77	80.7	74.2	111.4
51	35.6	23.4	35.2#

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Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 51.00 (50.70 to 51.70): BM0



#44

Dimethylphthalate

Concen: 6.356 ng/ul

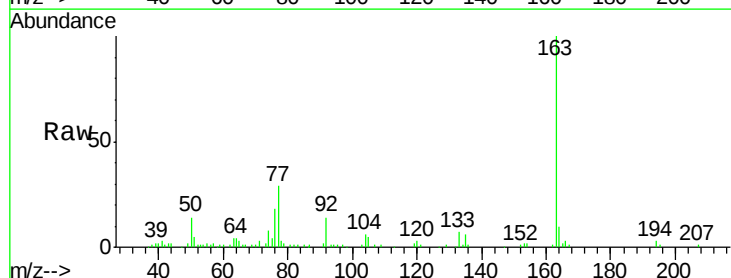
RT: 13.64 min Scan# 1811

Delta R.T. -0.01 min

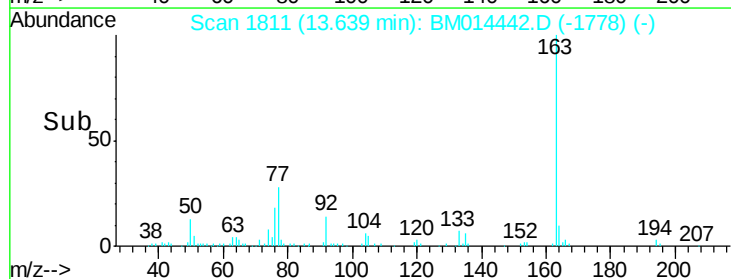
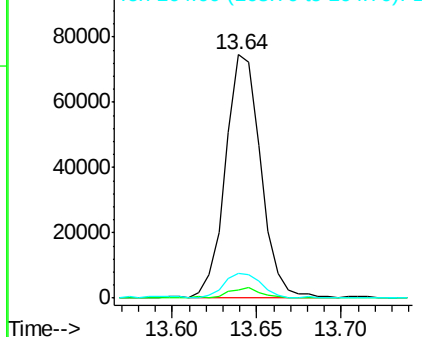
Lab File: BM014442.D

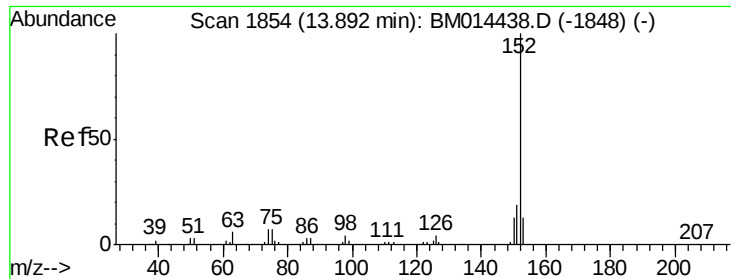
Acq: 01 Mar 2018 20:46

Tgt Ion:	163	Resp:	108662
Ion Ratio	Lower	Upper	
163	100		
194	3.3	3.5	5.3#
164	10.3	8.2	12.4



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: 7.317 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Instrument :

BNA_M

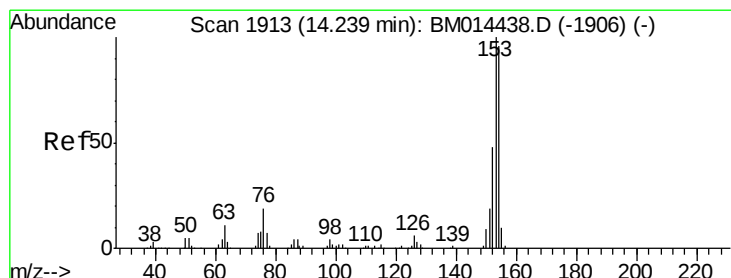
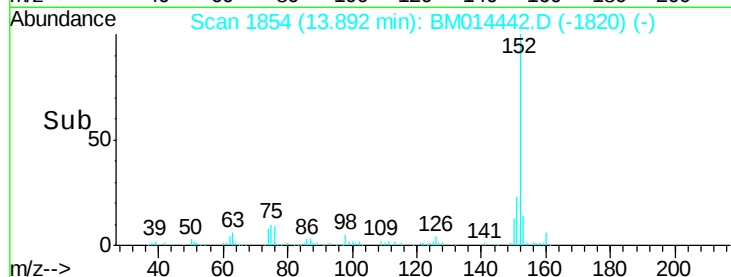
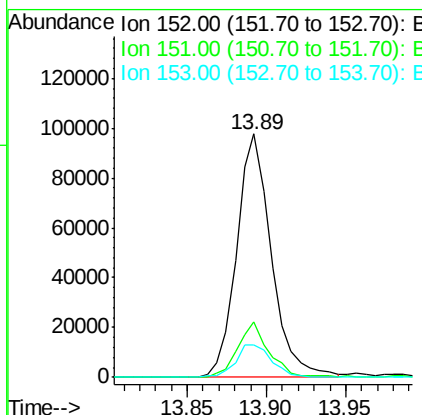
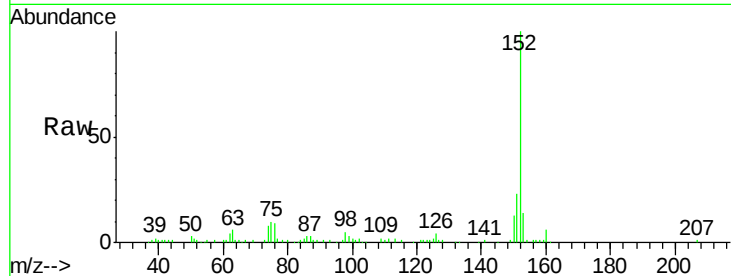
ClientSampleId :

BE5Z9

Tot Ion:	152	Resp:	147847
Ion Ratio	Lower	Upper	
152	100		
151	22.7	16.3	24.5
153	13.5	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 1.065 ng/ul

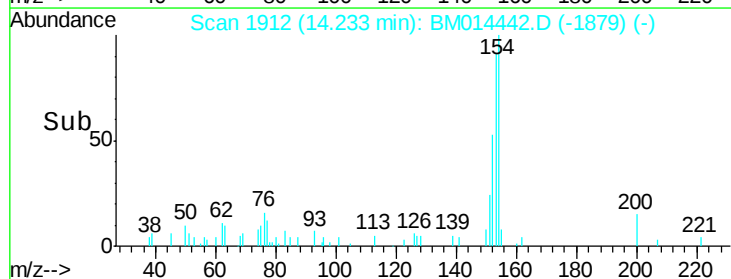
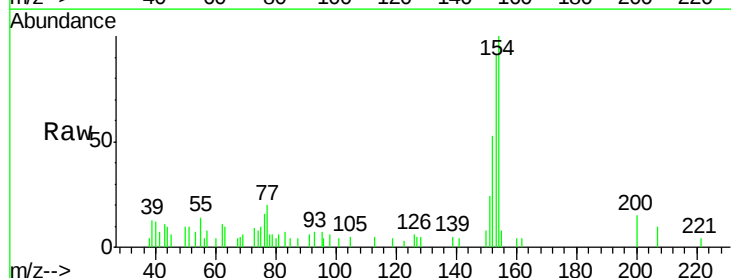
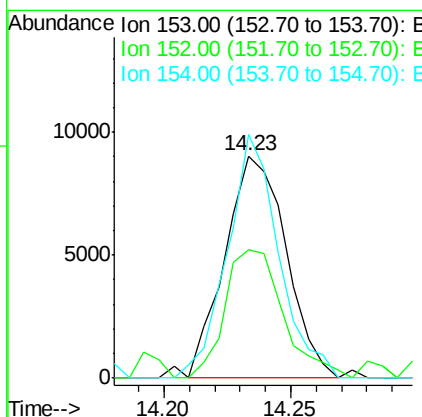
RT: 14.23 min Scan# 1912

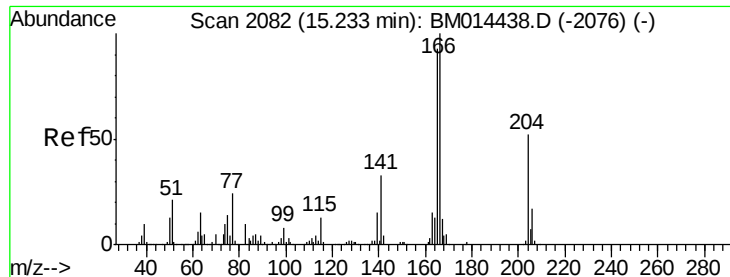
Delta R.T. -0.01 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Tgt Ion:	153	Resp:	15149
Ion Ratio	Lower	Upper	
153	100		
152	58.0	37.6	56.4#
154	109.5	70.4	105.6#





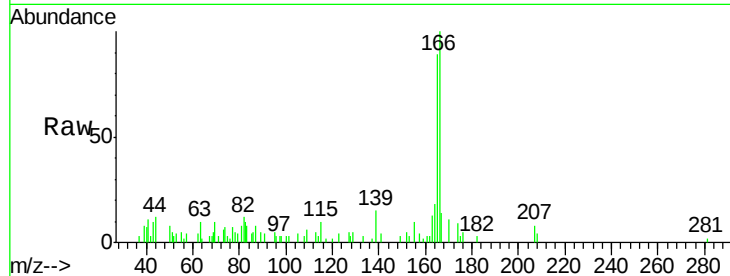
#58
Fluorene
 Concen: 1.244 ng/ul
 RT: 15.23 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: BM014442.D
 Acq: 01 Mar 2018 20:46

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		22909		
165	88.7	77.9	116.9		
167	14.1	10.6	16.0		

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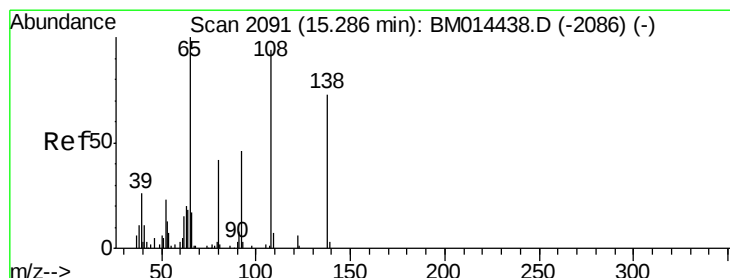
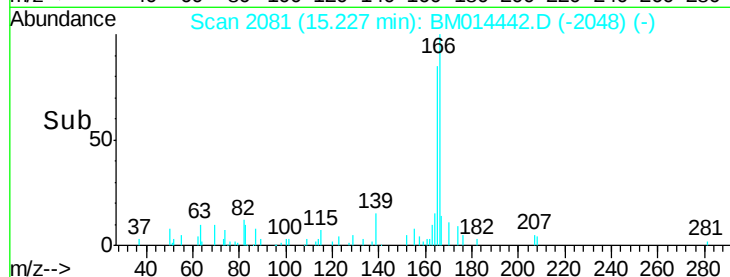
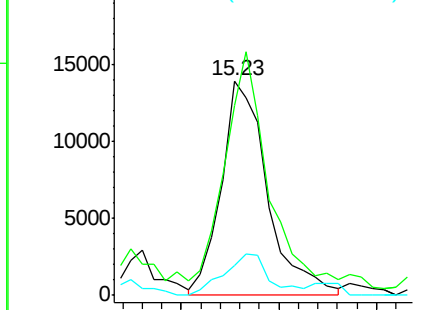


Abundance

Ion 166.00 (165.70 to 166.70): E

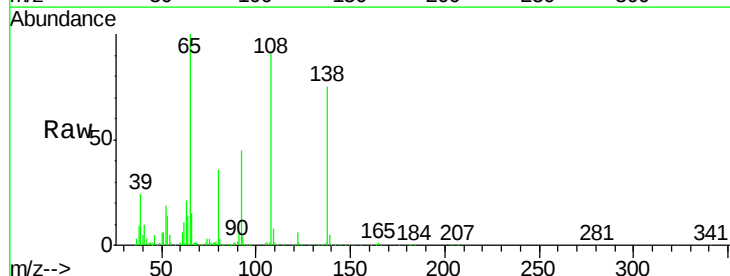
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60
4-Nitroaniline
 Concen: 92.134 ng/ul
 RT: 15.29 min Scan# 2092
 Delta R.T. 0.01 min
 Lab File: BM014442.D
 Acq: 01 Mar 2018 20:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
138	100		284440		
92	59.4	40.0	60.0		
108	121.4	80.0	120.0		

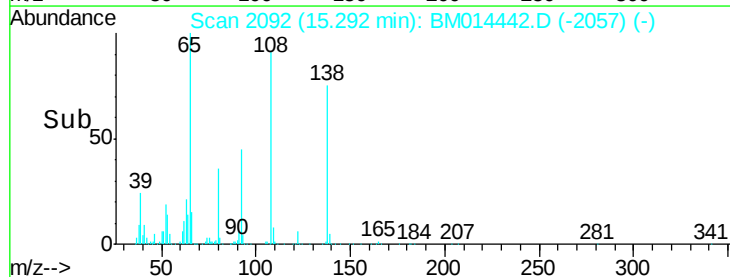
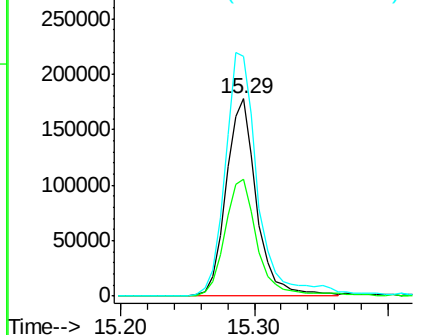


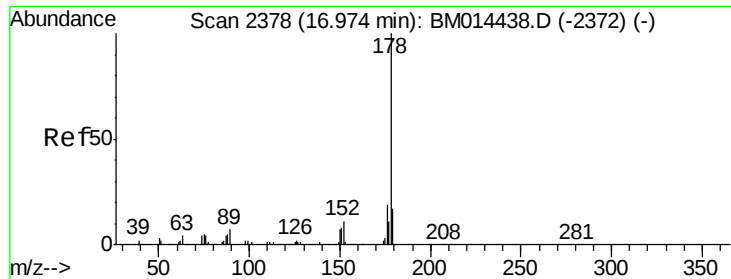
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





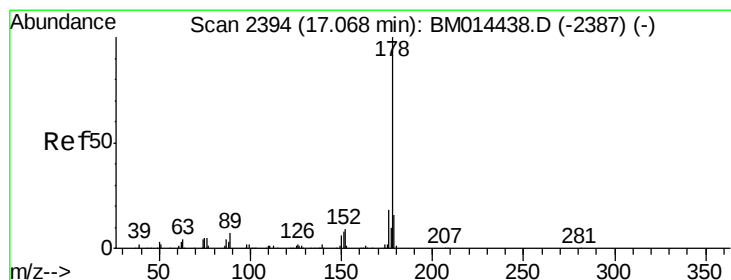
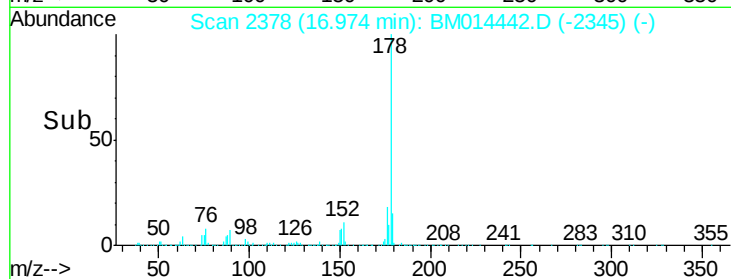
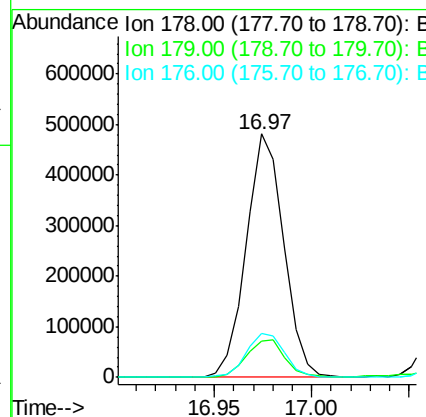
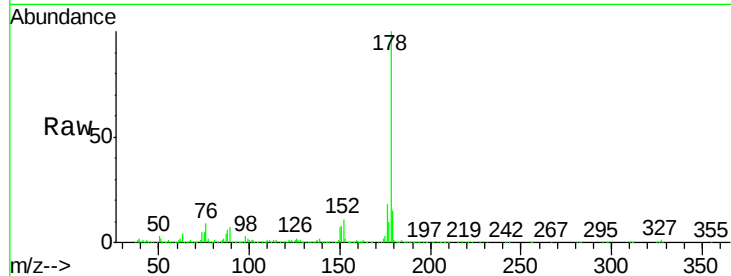
#69
Phenanthrene
Concen: 20.850 ng/ul
RT: 16.97 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Instrument :
BNA_M
ClientSampleId :
BE5Z9

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.6	19.0
176	17.9	14.9	22.3

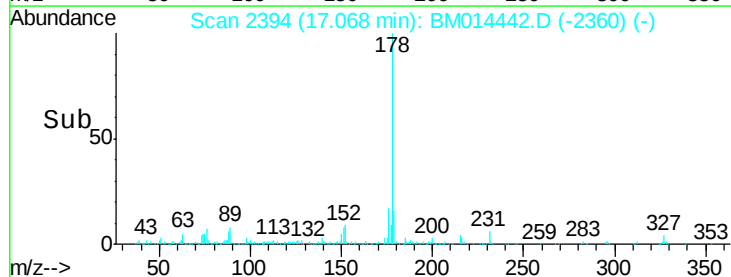
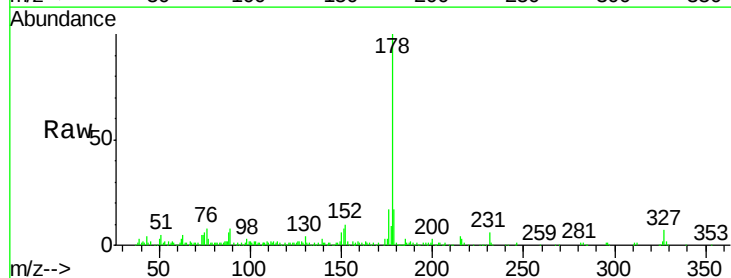
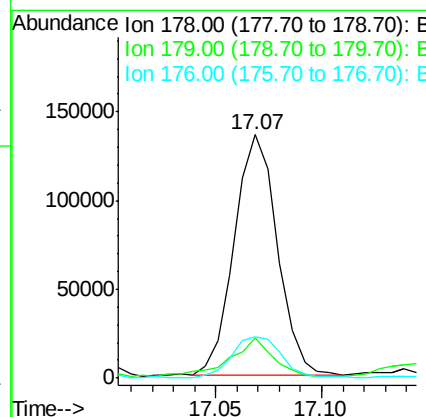
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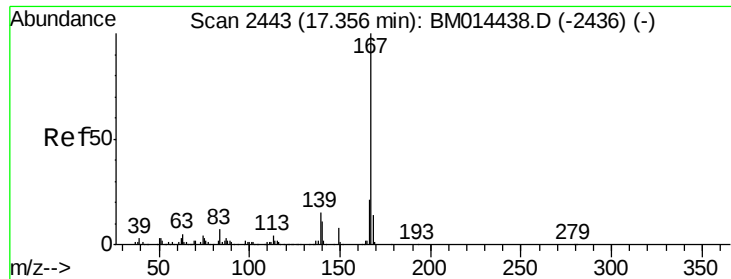
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#71
Anthracene
Concen: 6.199 ng/ul
RT: 17.07 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.6	11.7	17.5
176	17.2	14.6	21.8





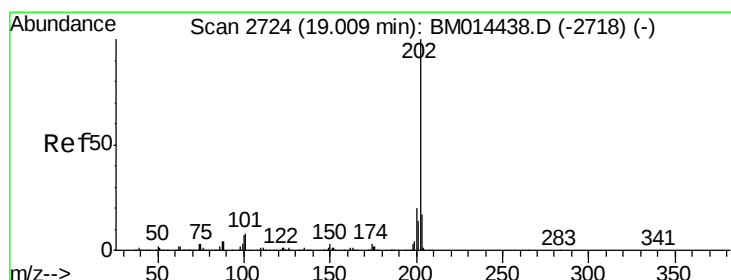
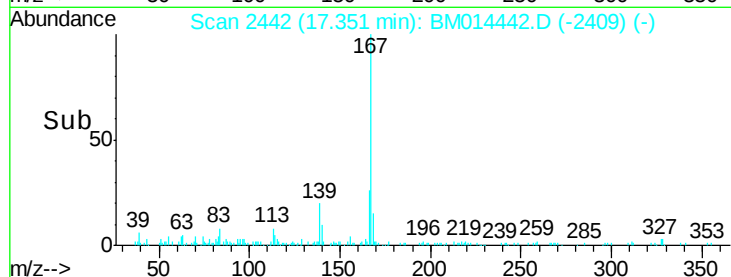
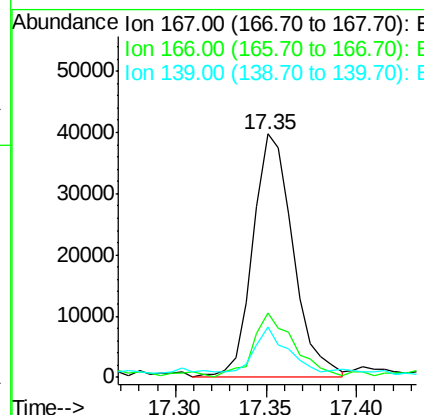
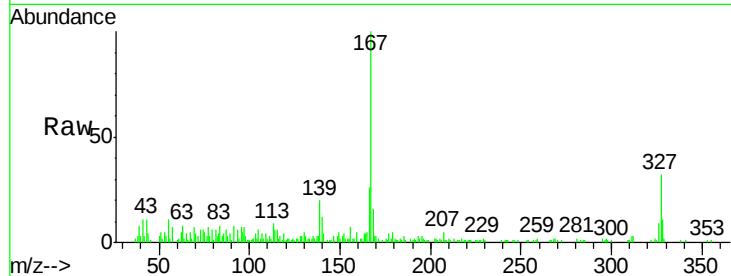
#72
 Carbazole
 Concen: 2.368 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014442.D
 Acq: 01 Mar 2018 20:46

Instrument :
 BNA_M
 ClientSampled :
 BE5Z9

Tot Ion	Ratio	Lower	Upper
167	100		
166	26.4	17.1	25.7#
139	20.4	10.0	15.0#

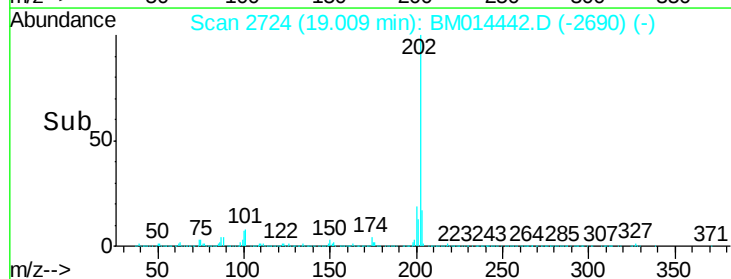
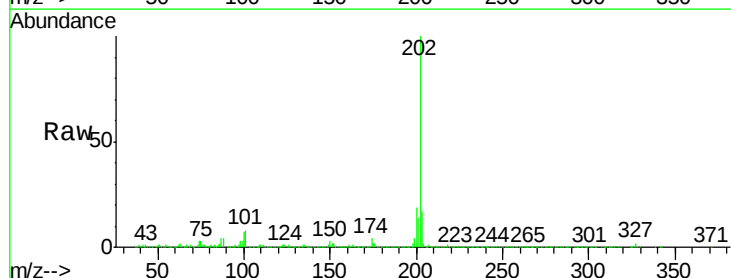
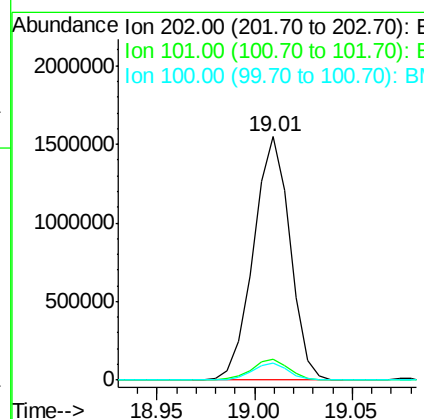
Manual Integrations
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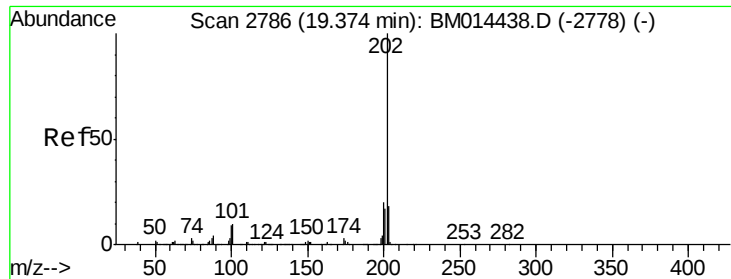
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#74
 Fluoranthene
 Concen: 54.637 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. 0.00 min
 Lab File: BM014442.D
 Acq: 01 Mar 2018 20:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	4.6	7.0#
100	6.9	3.4	5.2#





#77

Pvrene

Concen: 44.369 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Instrument :

BNA_M

ClientSampleId :

BE5Z9

Tot Ion:202 Resp: 1927598

Ion Ratio Lower Upper

202 100

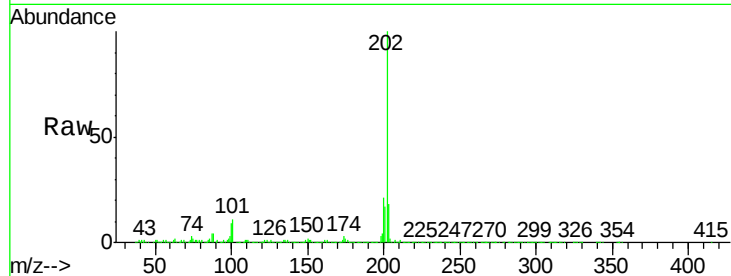
101 11.0 5.1 7.7#

100 8.6 4.9 7.3#

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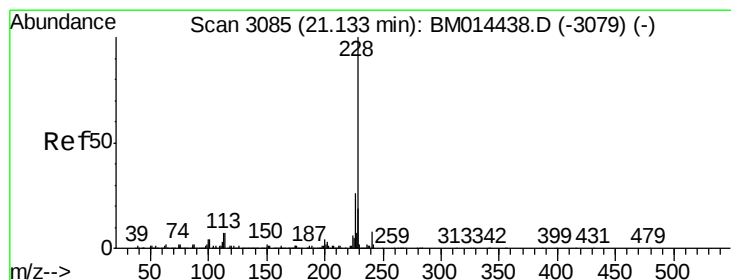
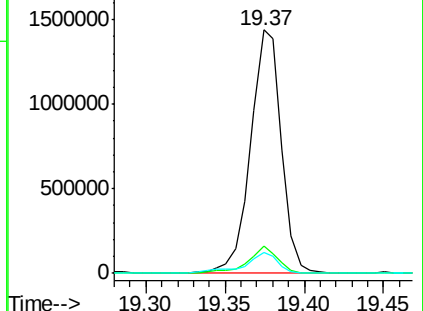
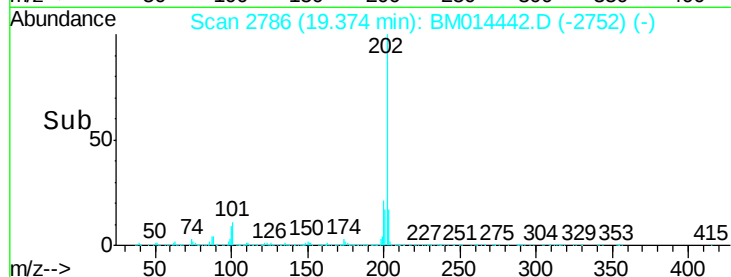
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 25.697 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

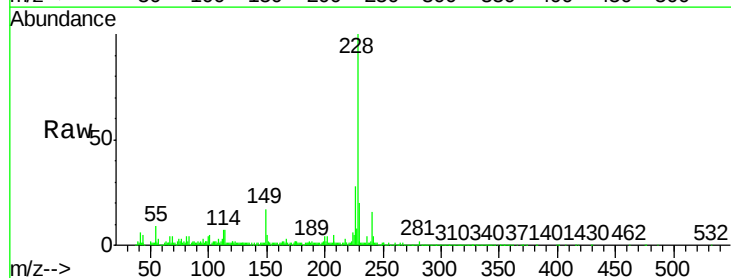
Tgt Ion:228 Resp: 1048434

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

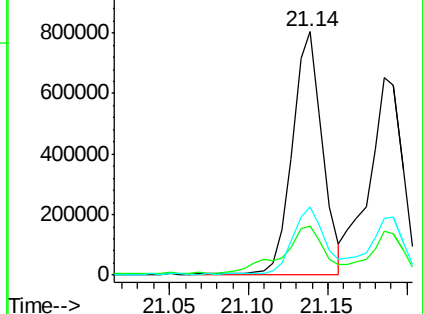
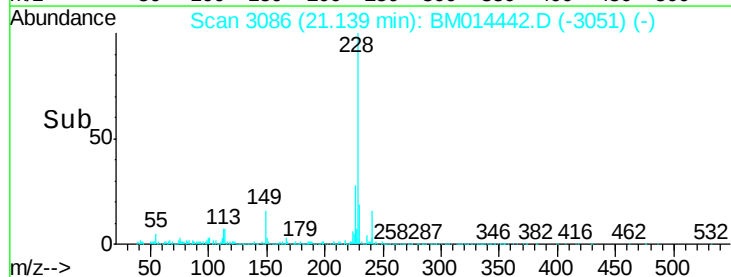
226 28.1 21.4 32.0

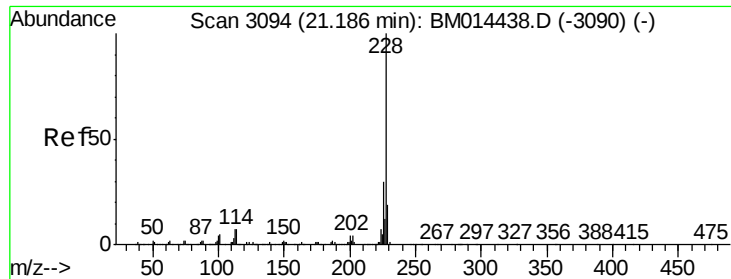


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 24.632 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Instrument :

BNA_M

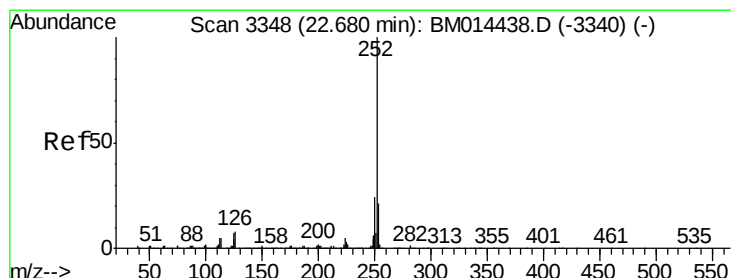
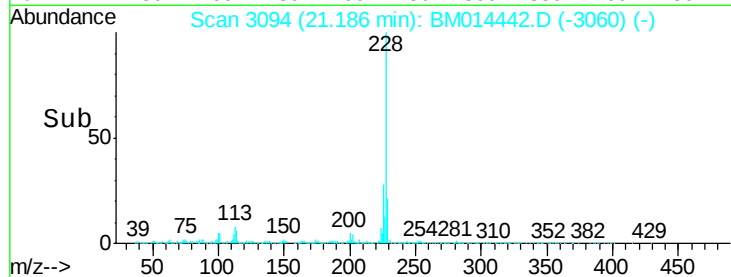
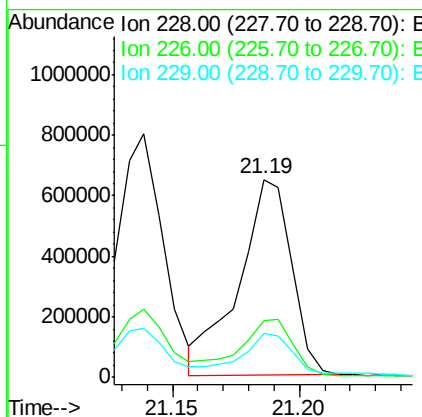
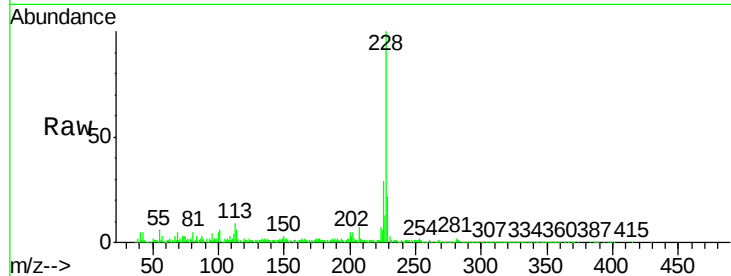
ClientSampleId :

BE5Z9

Tot Ion:	228	Resp:	937512
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.4	35.2
229	22.1	15.5	23.3

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3/2/2018 3:32:00 PM



#85

Benzo(b)fluoranthene

Concen: 33.754 ng/ul

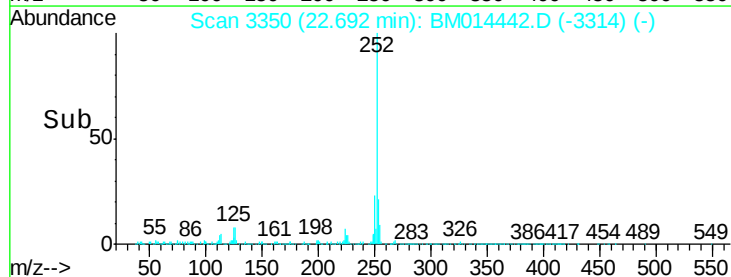
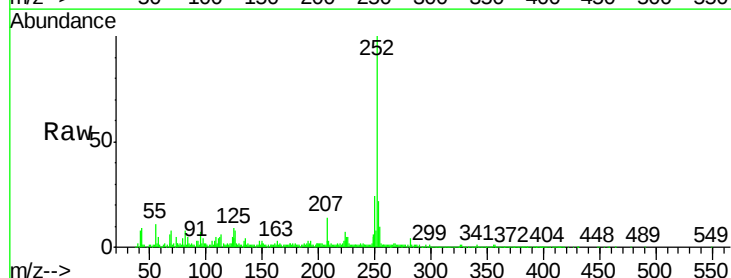
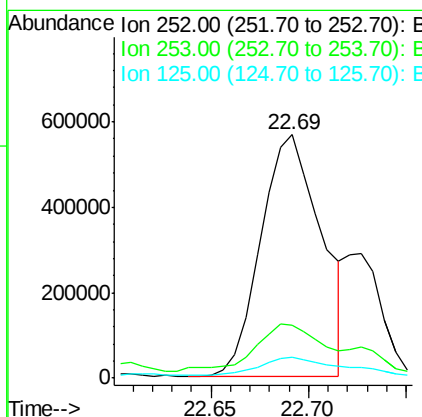
RT: 22.69 min Scan# 3350

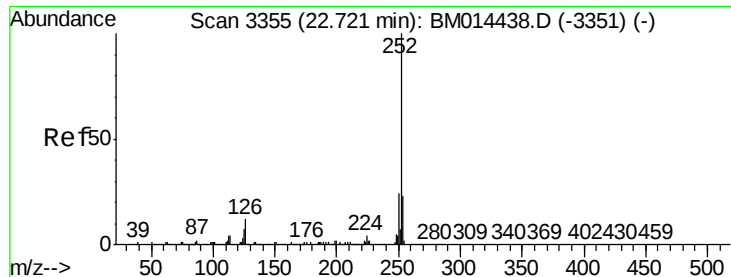
Delta R.T. 0.01 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Tgt Ion:	252	Resp:	1218824
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	8.5	3.6	5.4#





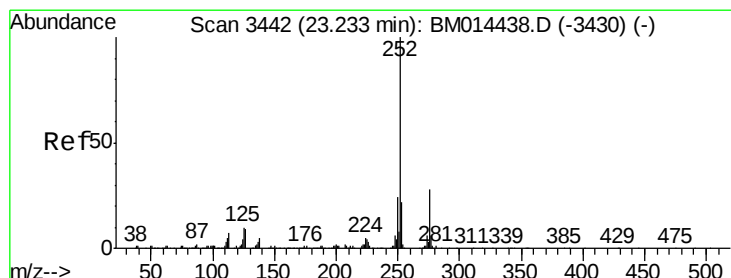
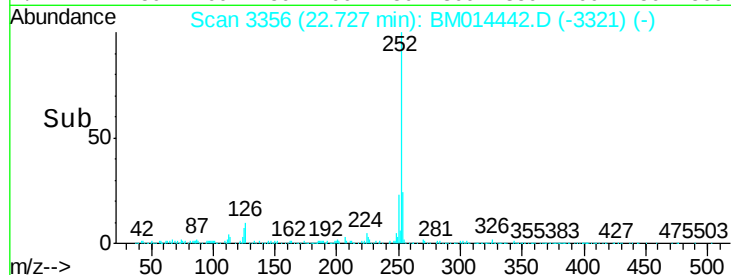
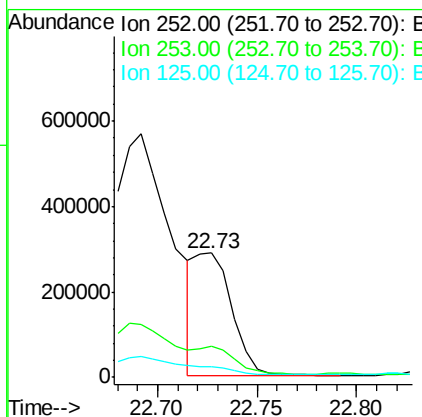
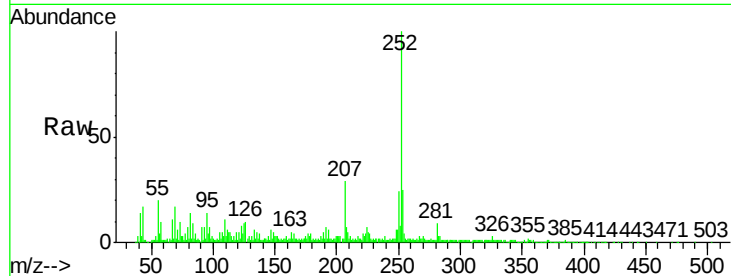
#86
Benzo(k)fluoranthene
Concen: 10.748 ng/ul m
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Instrument :
BNA_M
ClientSampled :
BE5Z9

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	8.9	3.4	5.2

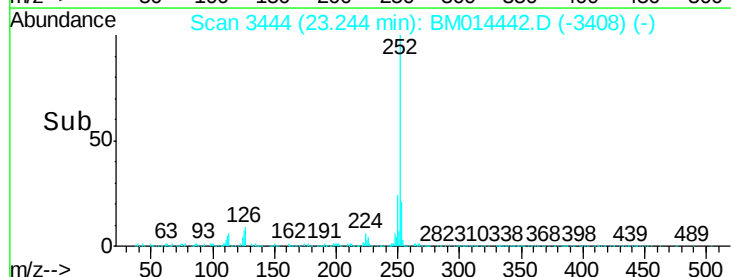
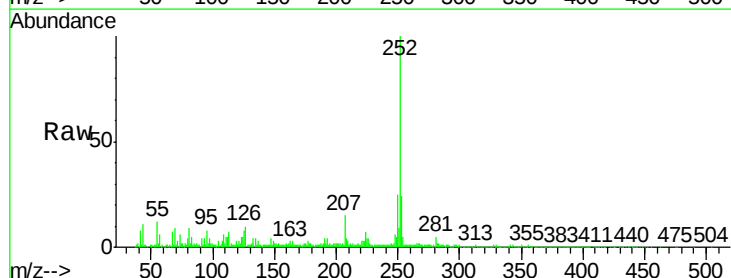
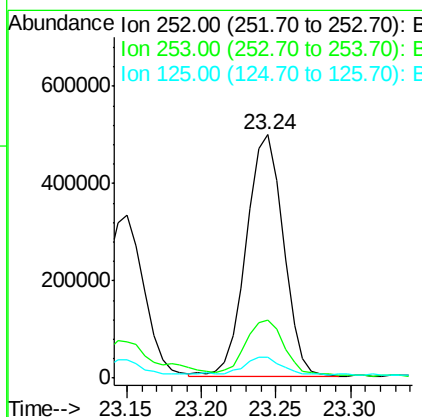
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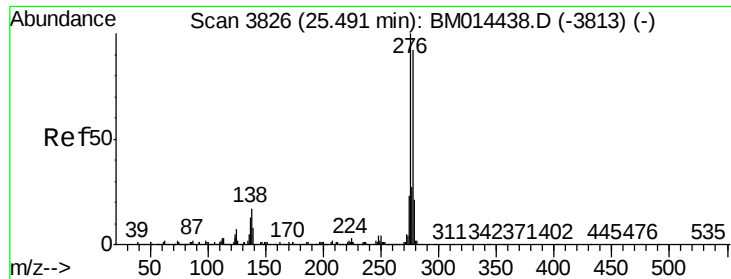
Sohil
3/2/2018 3:32:00 PM



#88
Benzo(a)pyrene
Concen: 26.396 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.01 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	8.5	4.0	6.0





#89

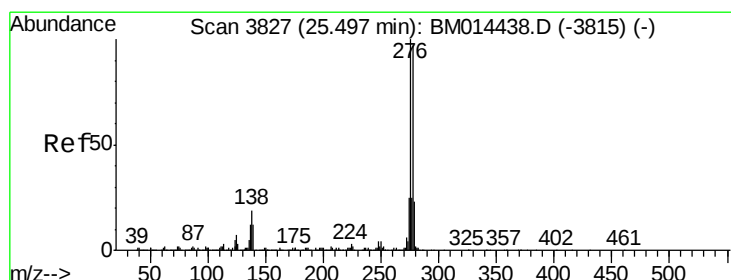
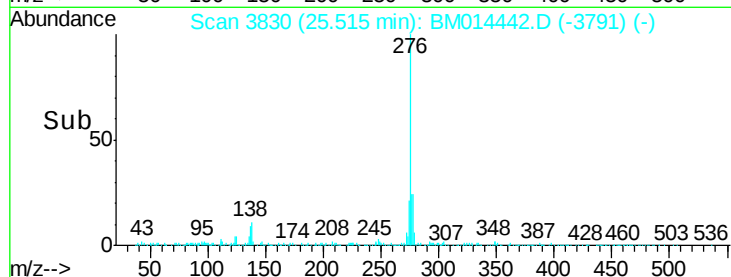
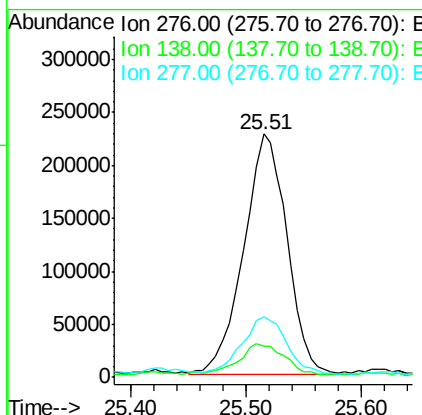
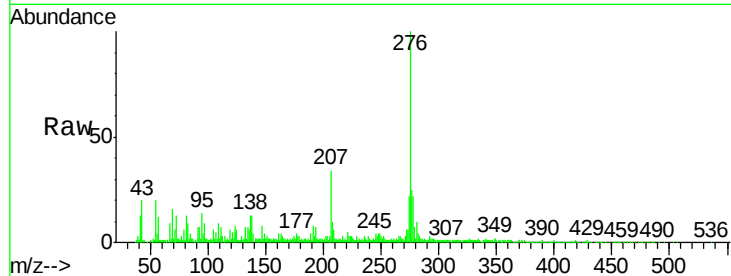
Indeno(1,2,3-cd)pyrene
Concen: 18.848 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. 0.03 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Instrument :
BNA_M
ClientSampled :
BE5Z9

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.9	9.3	13.9
277	24.9	19.9	29.9

Manual Integrations
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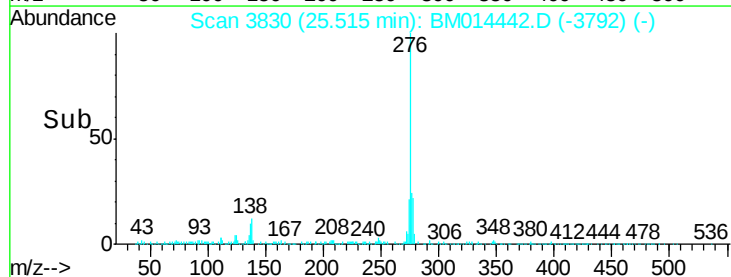
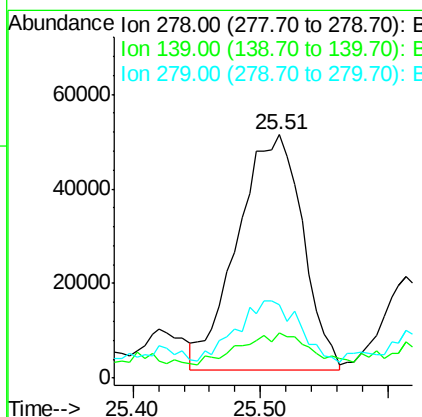
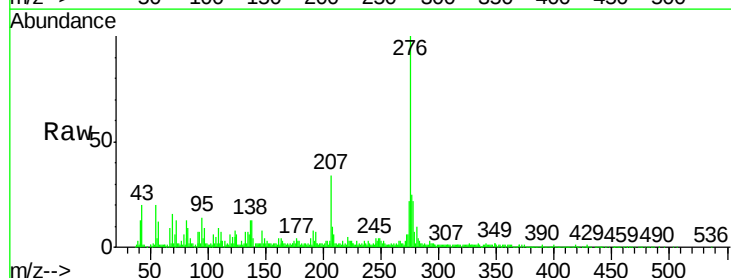
Sohil
3/2/2018 3:32:00 PM

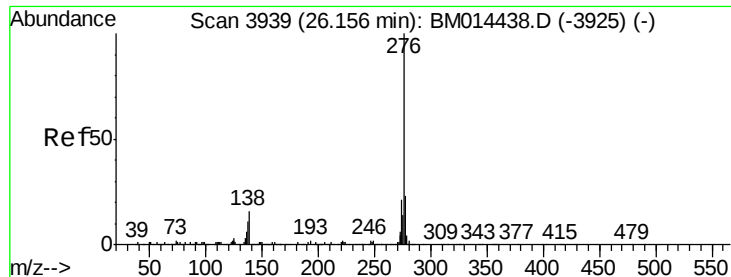


#90

Dibenzo(a,h)anthracene
Concen: 6.833 ng/ul m
RT: 25.51 min Scan# 3830
Delta R.T. 0.02 min
Lab File: BM014442.D
Acq: 01 Mar 2018 20:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	5.8	8.8#
279	30.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 20.971 ng/ul

RT: 26.19 min Scan# 3945

Delta R.T. 0.04 min

Lab File: BM014442.D

Acq: 01 Mar 2018 20:46

Instrument :

BNA_M

ClientSampleId :

BE5Z9

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	16.2	8.5	12.7#
277	24.7	18.6	28.0

Manual Integrations
APPROVED

Sohil
3/2/2018 3:32:00 PM

