

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014369.D
 Acq On : 26 Feb 2018 22:48
 Operator : SJ/JU
 Sample : J1631-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z0

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:58:39 PM

Quant Time: Feb 27 05:55:40 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	7.53	152	176992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	785570	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	435218	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	811352	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	574735	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	532636	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	20575	4.98	ng/uL	0.00
5) Phenol-d5	6.73	99	436931	29.21	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	281857	31.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	378254	32.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	329385	25.16	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	198272	34.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	213612	35.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	374940	30.13	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	269843	22.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1252331	34.84	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1575958	35.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	99231m	20.00	ng/ul	0.02
57) Fluorene-d10	15.19	176	1015852	31.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	37373	7.68	ng/ul	0.01
70) Anthracene-d10	17.04	188	1359332	34.73	ng/ul	0.00
76) Pyrene-d10	19.36	212	1175775	39.66	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	892617	34.43	ng/ul	0.03

Target Compounds

					Qvalue	
4) Benzaldehyde	6.69	77	6099	1.000	ng/ul	91
6) Phenol	6.76	94	56531	3.601	ng/ul#	90
14) Acetophenone	8.35	105	40685	1.802	ng/ul	89
28) Naphthalene	10.35	128	165564	4.103	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	51261	1.669	ng/ul	96
44) Dimethylphthalate	13.65	163	571808	16.134	ng/ul	99
47) Acenaphthylene	13.90	152	161629	3.858	ng/ul#	96
49) Acenaphthene	14.24	153	83957	2.846	ng/ul	96
53) Dibenzofuran	14.59	168	84207	1.904	ng/ul	97
58) Fluorene	15.24	166	99355	2.602	ng/ul#	95
69) Phenanthrene	16.99	178	2093518	44.784	ng/ul	100
71) Anthracene	17.08	178	543429	11.559	ng/ul	98
72) Carbazole	17.36	167	264576	6.693	ng/ul	98
74) Fluoranthene	19.02	202	4123949	73.840	ng/ul#	92
77) Pyrene	19.39	202	4592262	120.231	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	1942353	54.151	ng/ul	96
82) Chrysene	21.20	228	2082459	62.235	ng/ul	98
85) Benzo(b)fluoranthene	22.70	252	3771214	105.742	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	973978m	28.724	ng/ul	
88) Benzo(a)pyrene	23.26	252	2728096	85.602	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.52	276	1927730	62.335	ng/ul#	97
90) Dibenz(a,h)anthracene	25.51	278	482477	18.776	ng/ul#	86
91) Benzo(g,h,i)perylene	26.19	276	1435584	57.303	ng/ul#	95

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Sample : J1631-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5Z0

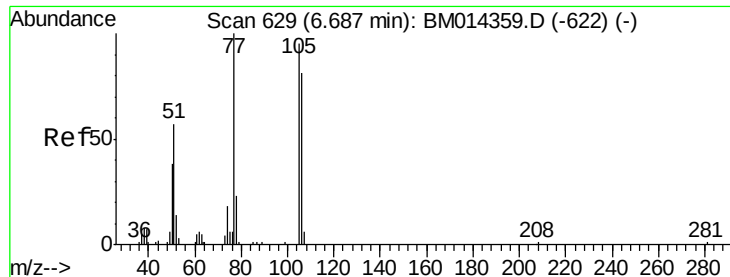
Manual Integrations
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2/27/2018 4:58:39 PM

Quant Time: Feb 27 05:55:40 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 1.000 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

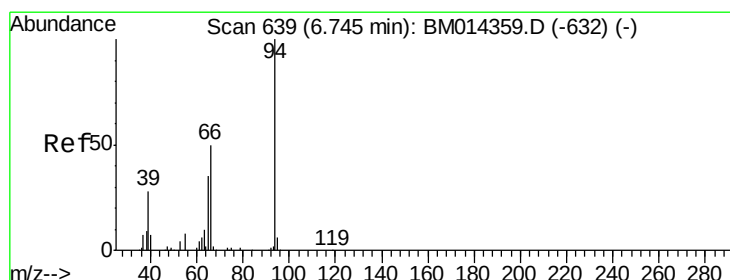
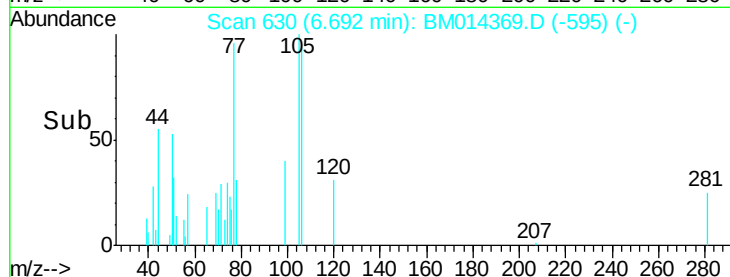
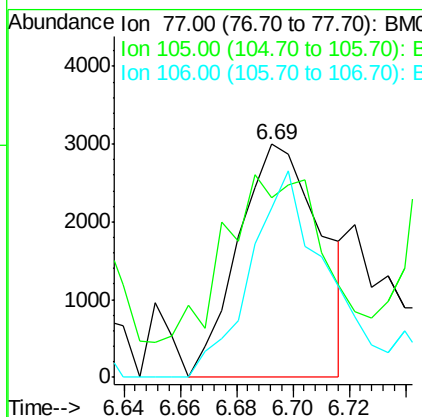
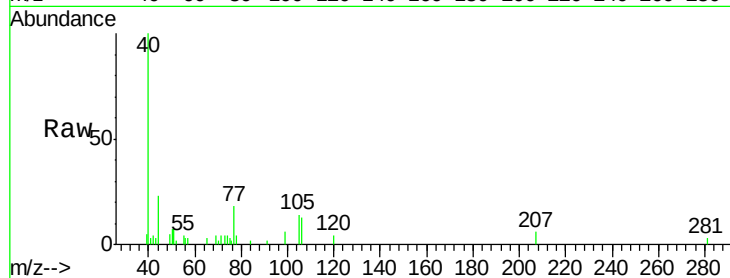
ClientSampled :

BE5Z0

Tgt Ion:	77	Resp:	6099
Ion	Ratio	Lower	Upper
77	100		
105	77.2	66.1	99.1
106	72.9	67.8	101.6

Manual Integrations
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#6

Phenol

Concen: 3.601 ng/ul

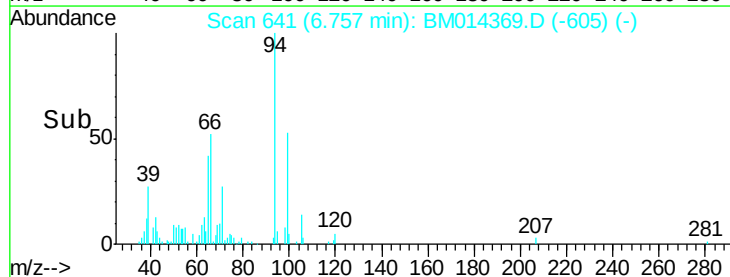
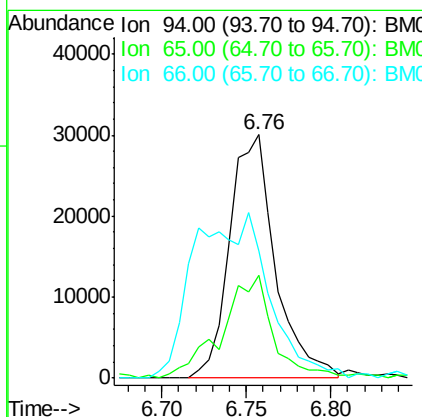
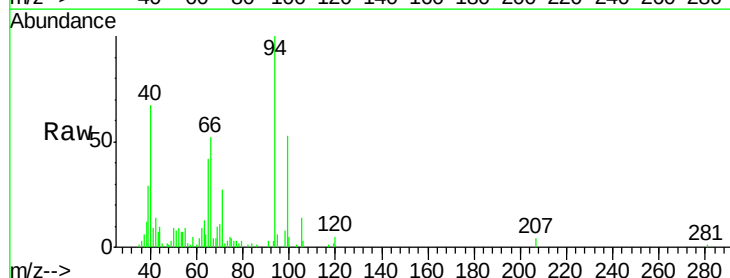
RT: 6.76 min Scan# 641

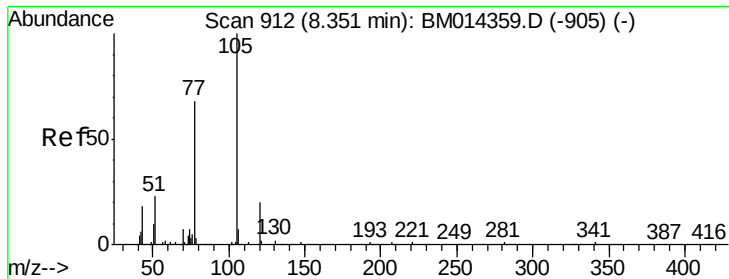
Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:	94	Resp:	56531
Ion	Ratio	Lower	Upper
94	100		
65	42.4	28.2	42.4#
66	52.4	47.2	70.8





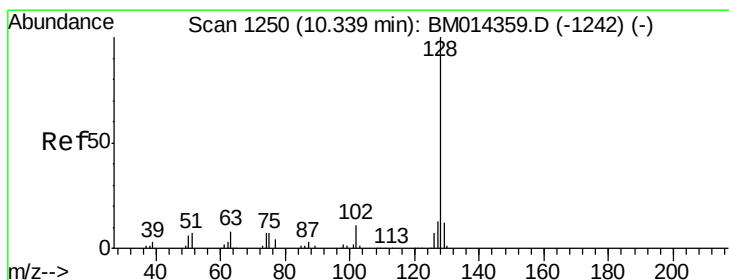
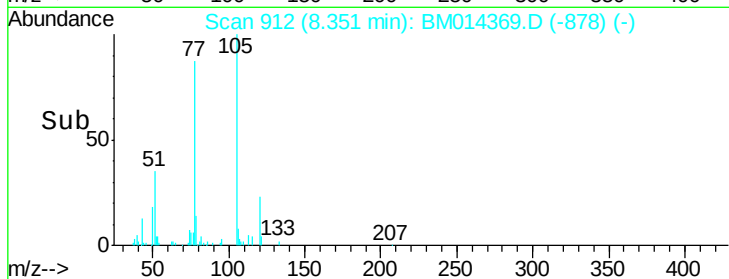
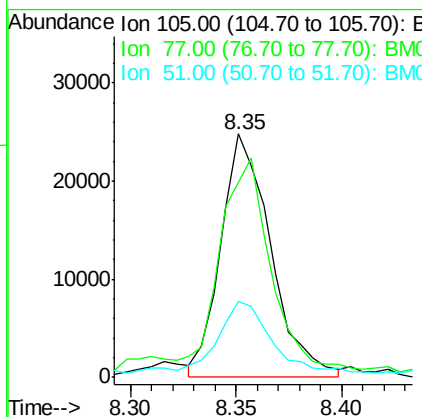
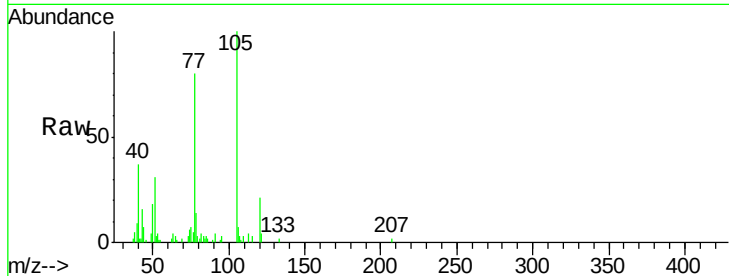
#14
Acetophenone
Concen: 1.802 ng/ul
RT: 8.35 min Scan# 912
Delta R.T. -0.00 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_M
ClientSampleId :
BE5Z0

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	40685		
77	79.9	74.2	111.4	
51	31.4	23.4	35.2	

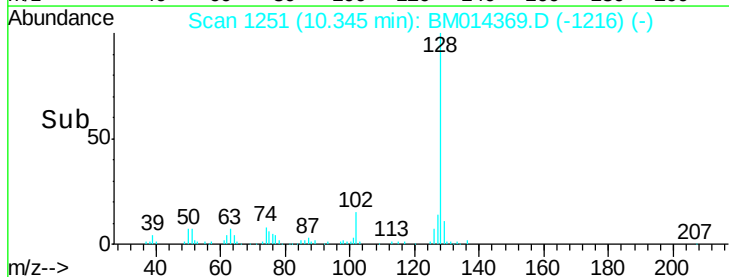
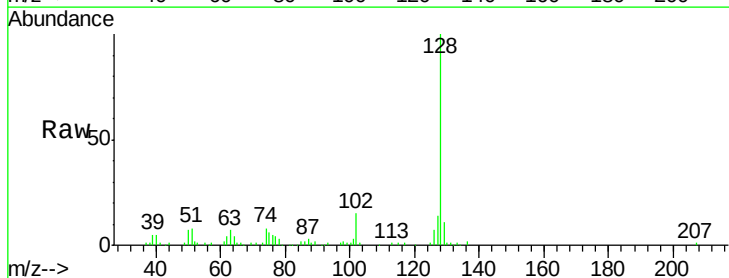
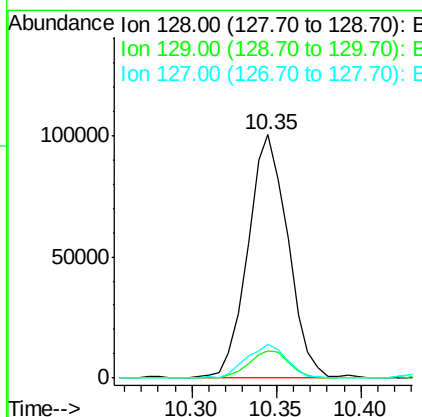
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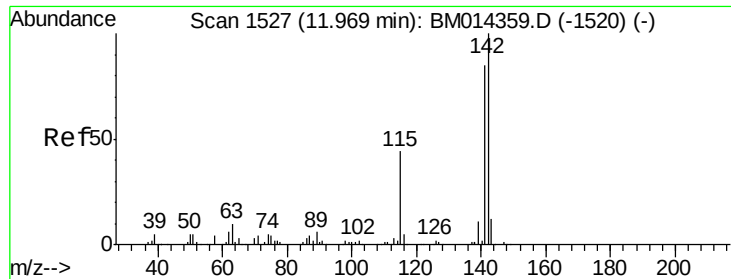
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#28
Naphthalene
Concen: 4.103 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	165564		
129	11.0	8.8	13.2	
127	13.7	10.6	16.0	





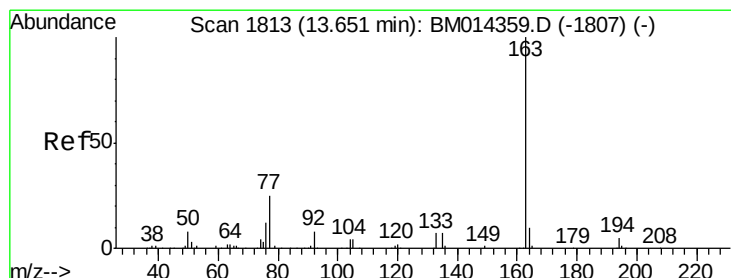
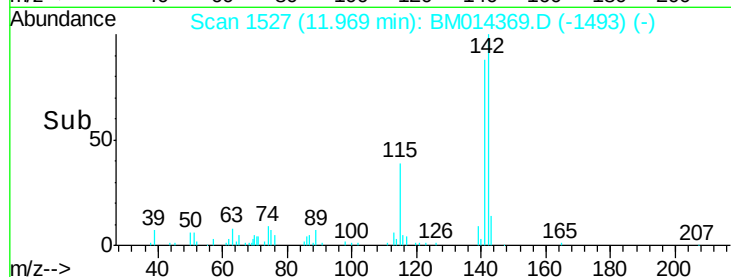
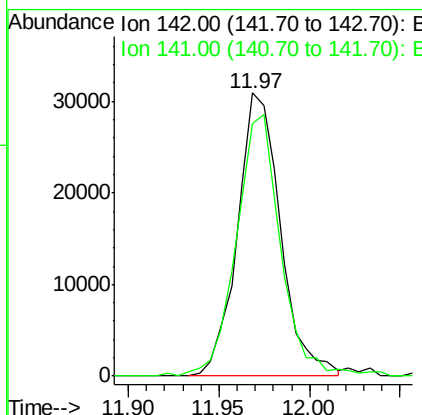
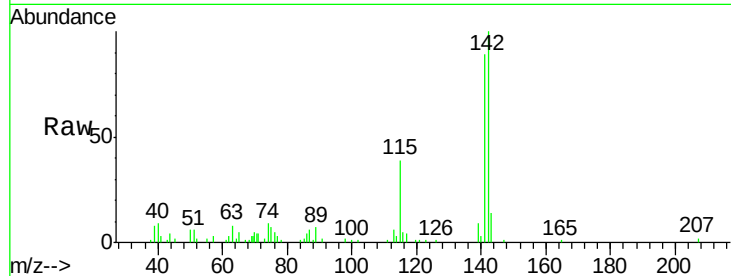
#34
2-Methylnaphthalene
Concen: 1.669 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_M
ClientSampleId :
BE5Z0

Tgt Ion:142 Resp: 51261
Ion Ratio Lower Upper
142 100
141 89.1 74.1 111.1

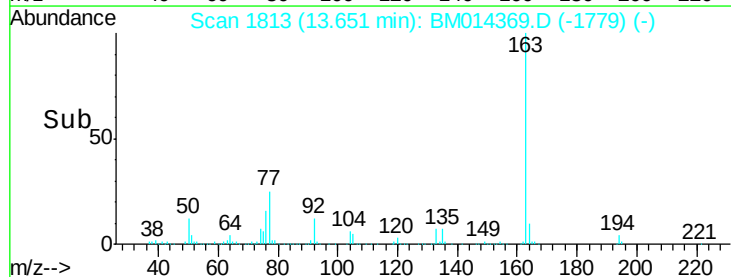
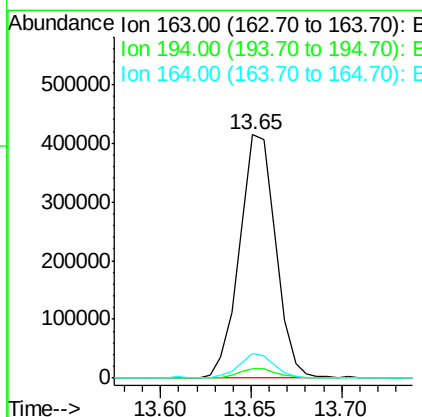
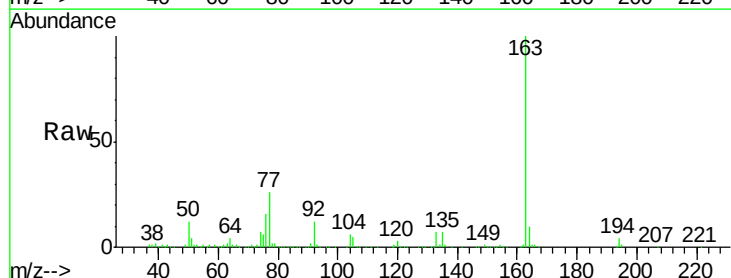
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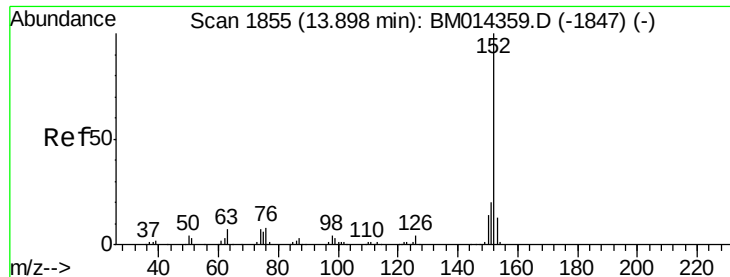
Sohil
2/27/2018 4:58:39 PM



#44
Dimethylphthalate
Concen: 16.134 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. -0.00 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion:163 Resp: 571808
Ion Ratio Lower Upper
163 100
194 3.8 3.5 5.3
164 10.0 8.2 12.4





#47

Acenaphthylene

Concen: 3.858 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

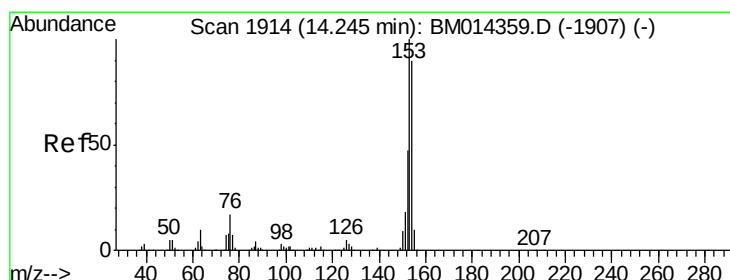
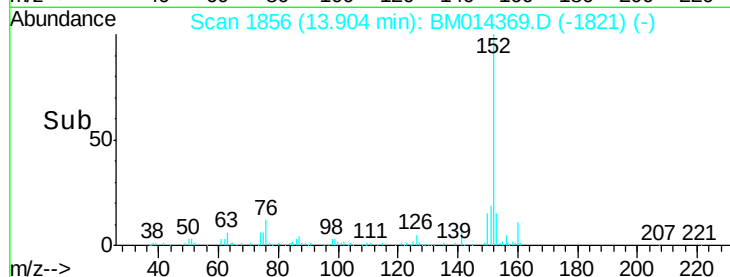
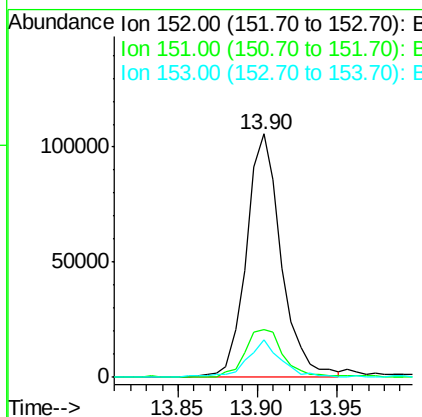
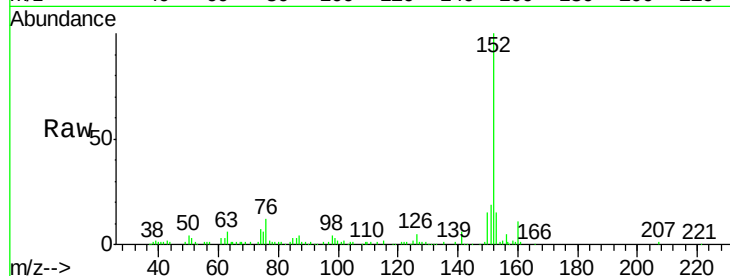
ClientSampleId :

BE5Z0

Tgt Ion:	152	Resp:	161629
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.3	24.5
153	15.4	10.2	15.4#

Manual Integrations
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#49

Acenaphthene

Concen: 2.846 ng/ul

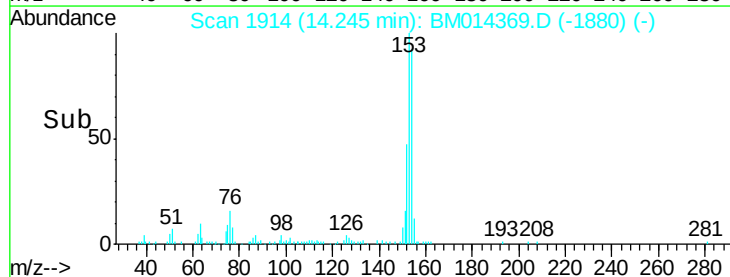
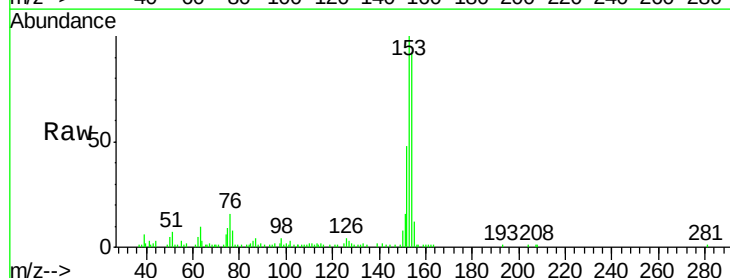
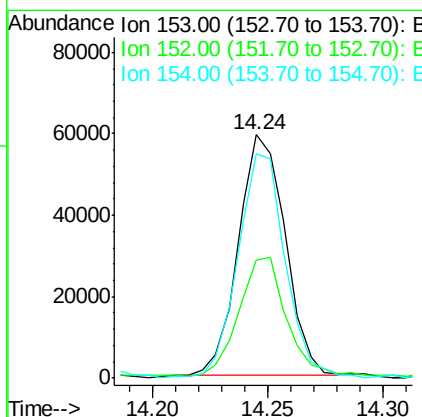
RT: 14.24 min Scan# 1914

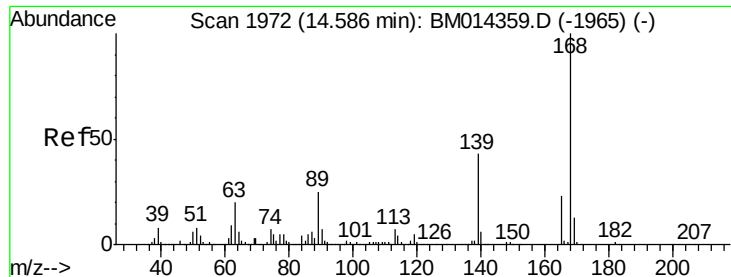
Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:	153	Resp:	83957
Ion Ratio	Lower	Upper	
153	100		
152	48.4	37.6	56.4
154	92.1	70.4	105.6





#53

Dibenzofuran

Concen: 1.904 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

BE5Z0

Tgt Ion:168 Resp: 84207

Ion Ratio Lower Upper

168 100

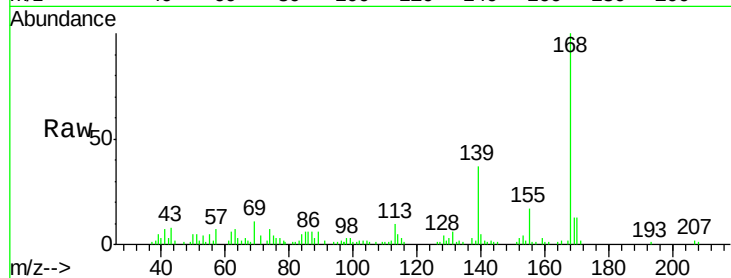
139 36.5 30.8 46.2

Manual Integrations

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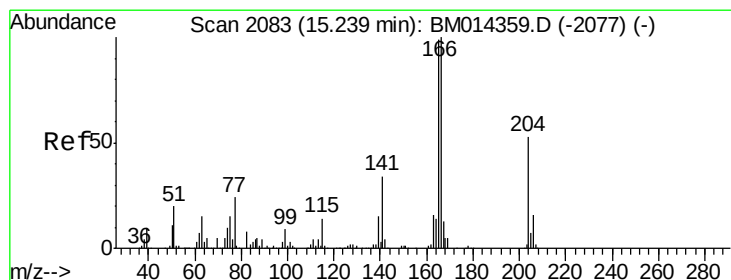
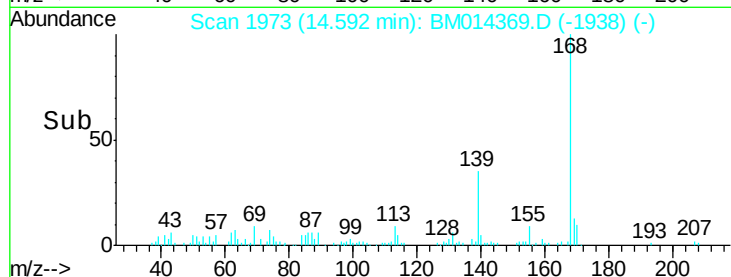
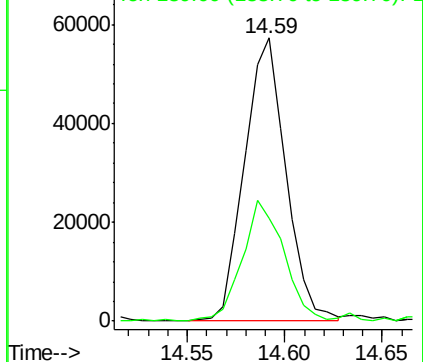
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 2.602 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

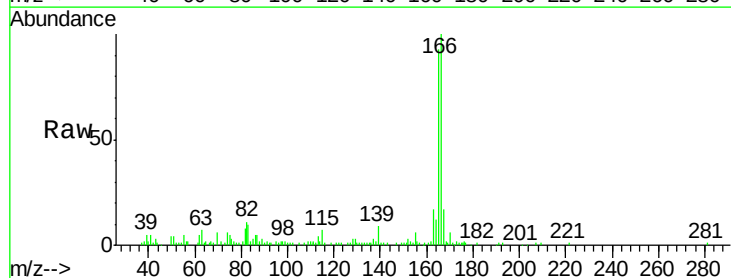
Tgt Ion:166 Resp: 99355

Ion Ratio Lower Upper

166 100

165 93.4 77.9 116.9

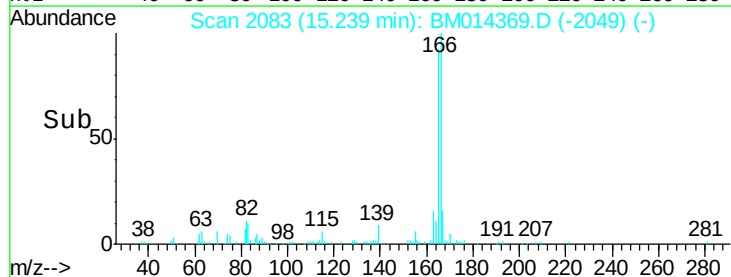
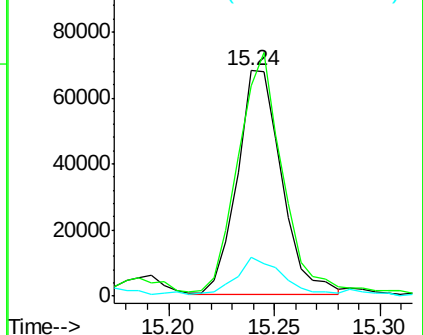
167 17.0 10.6 16.0#

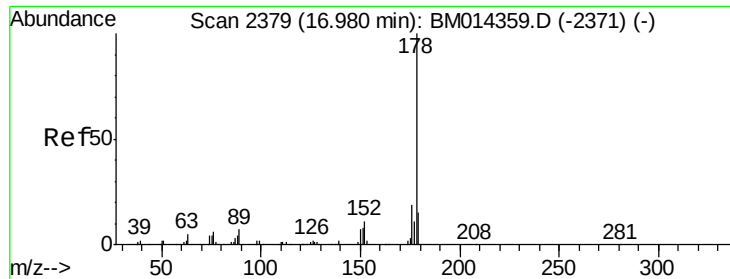


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 44.784 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

BE5Z0

Tgt Ion:178 Resp: 2093518

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

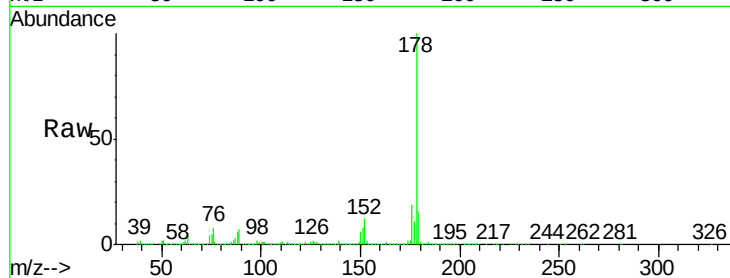
176 18.6 14.9 22.3

Manual Integrations

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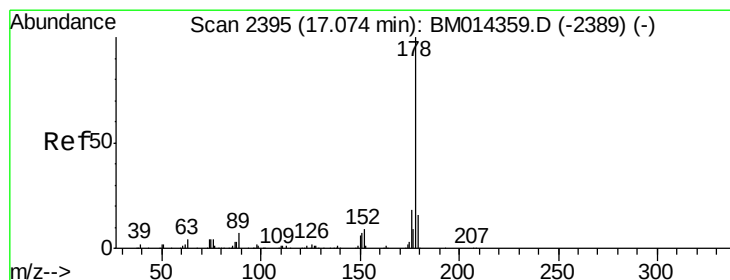
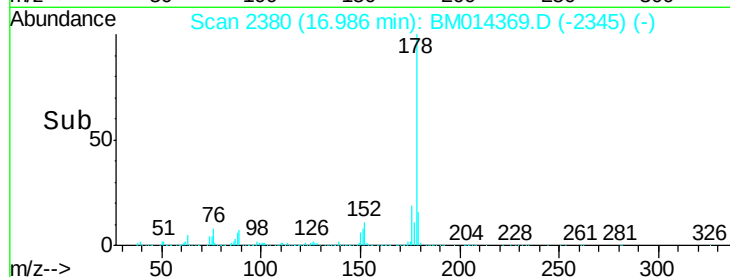
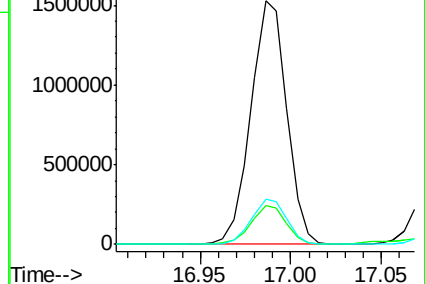
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 11.559 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:178 Resp: 543429

Ion Ratio Lower Upper

178 100

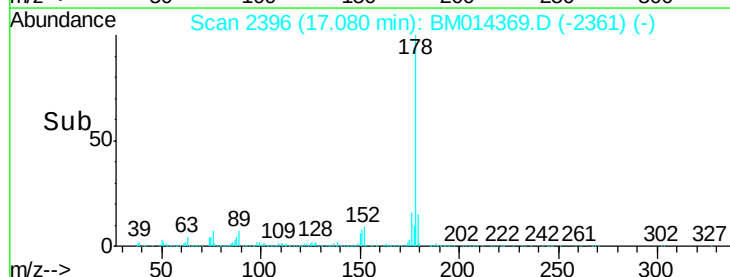
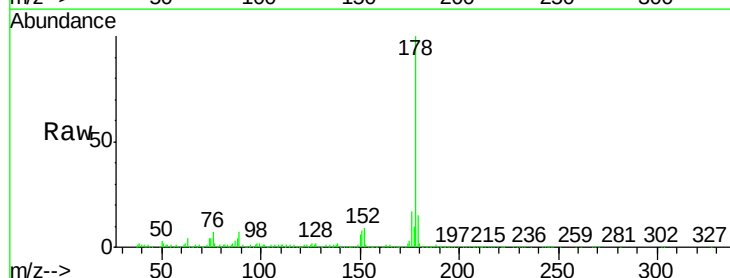
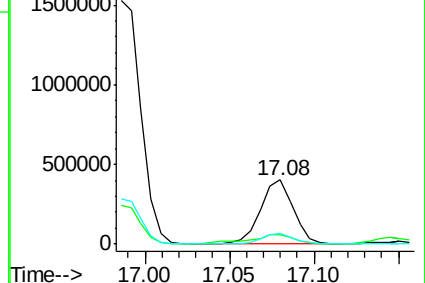
179 14.8 11.7 17.5

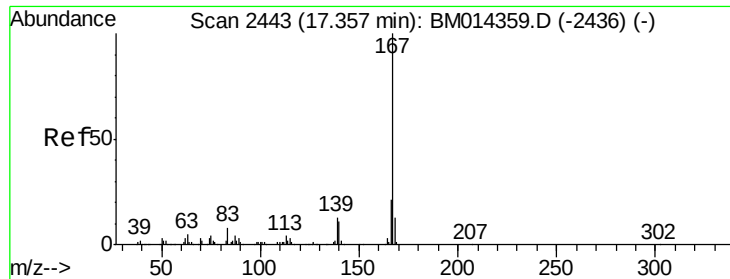
176 16.5 14.6 21.8

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





#72

Carbazole

Concen: 6.693 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

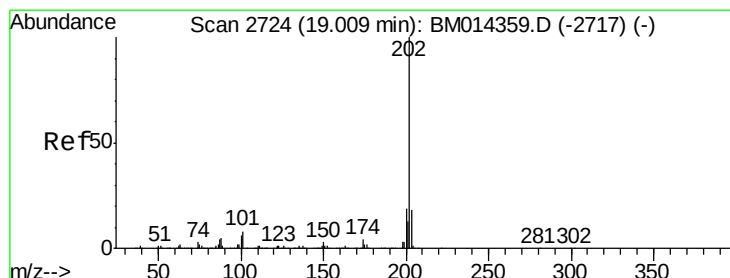
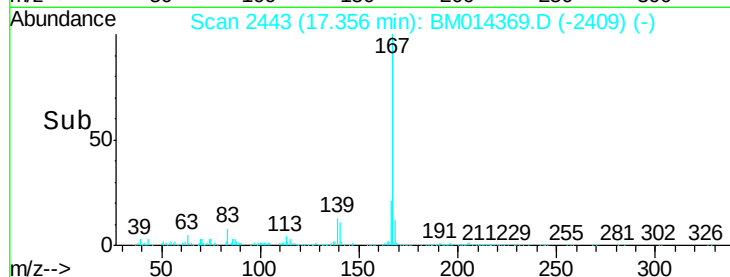
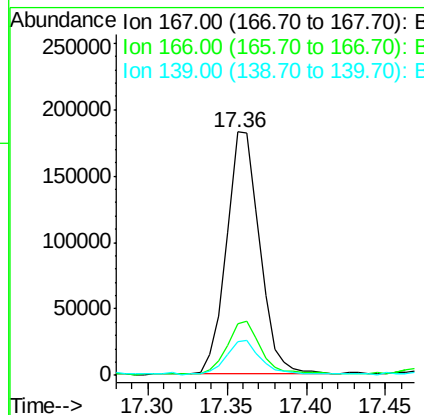
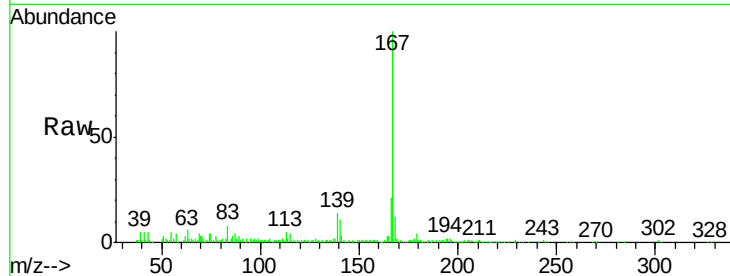
ClientSampleId :

BE5Z0

Tgt Ion:	167	Resp:	264576
Ion Ratio		Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.9	10.0	15.0

Manual Integrations
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Sohil
2/27/2018 4:58:39 PM



#74

Fluoranthene

Concen: 73.840 ng/ul

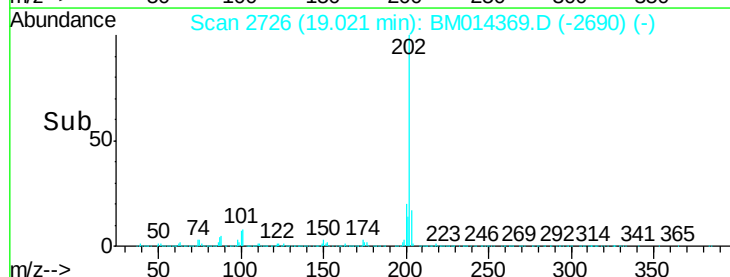
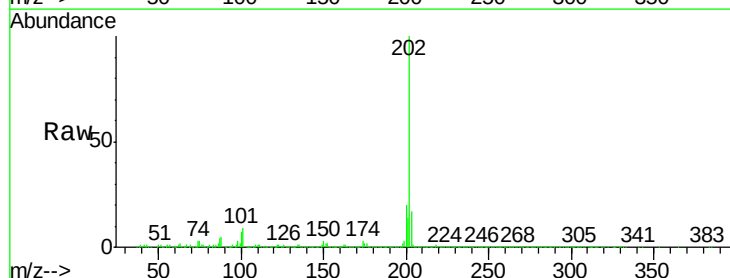
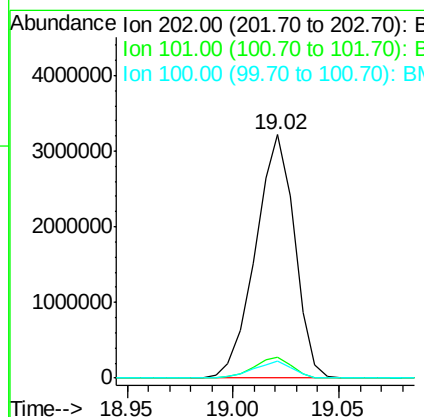
RT: 19.02 min Scan# 2726

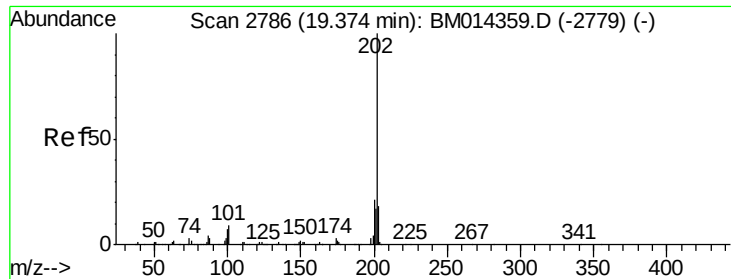
Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:	202	Resp:	4123949
Ion Ratio		Lower	Upper
202	100		
101	8.6	4.6	7.0#
100	6.9	3.4	5.2#





#77

Pyrene

Concen: 120.231 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

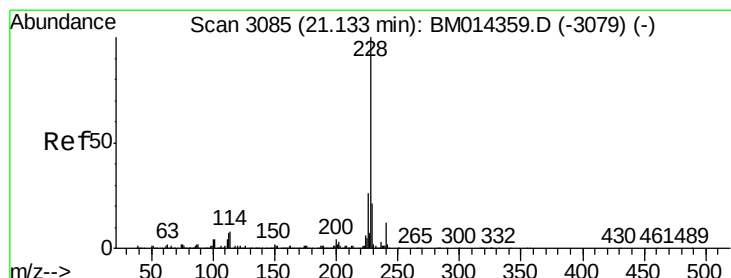
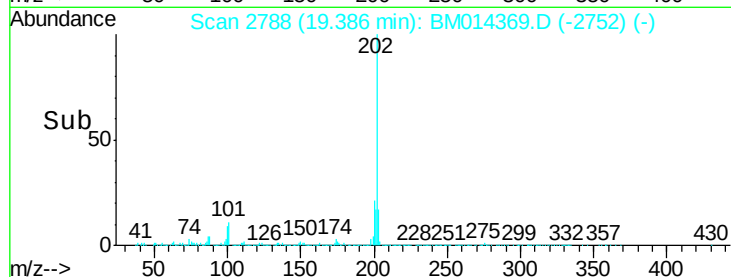
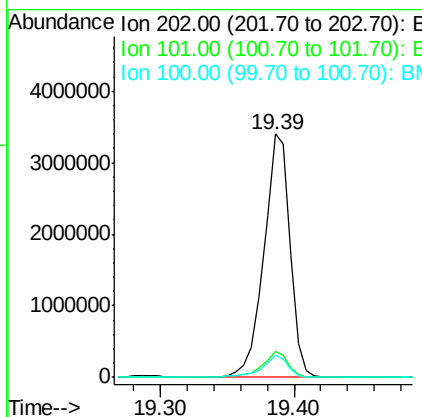
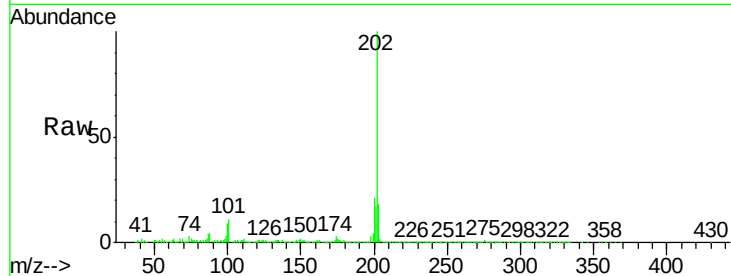
ClientSampleId :

BE5Z0

Tgt Ion:	202	Resp:	4592262
Ion Ratio	Lower	Upper	
202	100		
101	10.8	5.1	7.7#
100	9.0	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 54.151 ng/ul

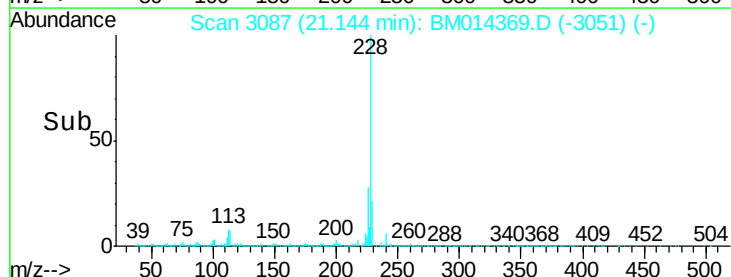
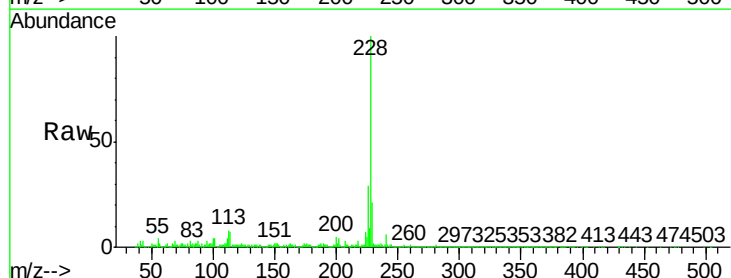
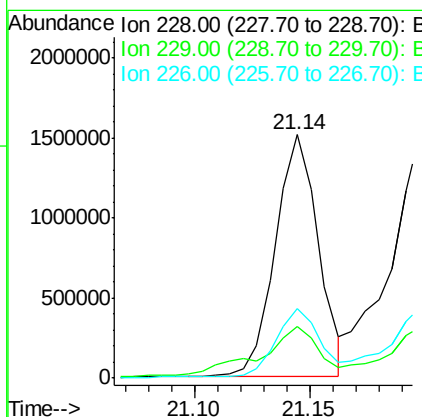
RT: 21.14 min Scan# 3087

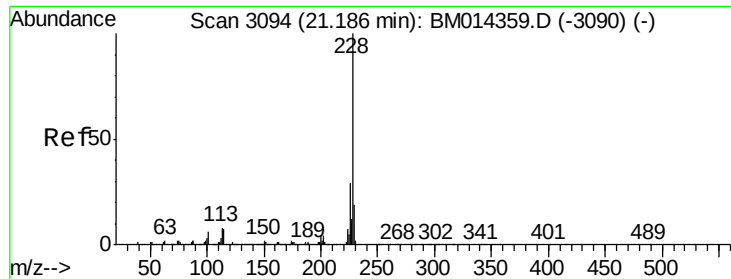
Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion:	228	Resp:	1942353
Ion Ratio	Lower	Upper	
228	100		
229	21.3	15.4	23.0
226	28.5	21.4	32.0





#82

Chrysene

Concen: 62.235 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Instrument :

BNA_M

ClientSampleId :

BE5Z0

Tgt Ion:228 Resp: 2082459

Ion Ratio Lower Upper

228 100

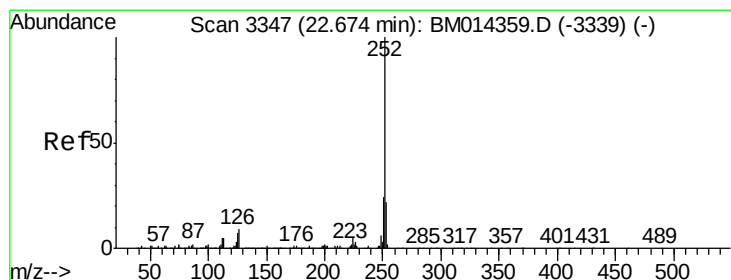
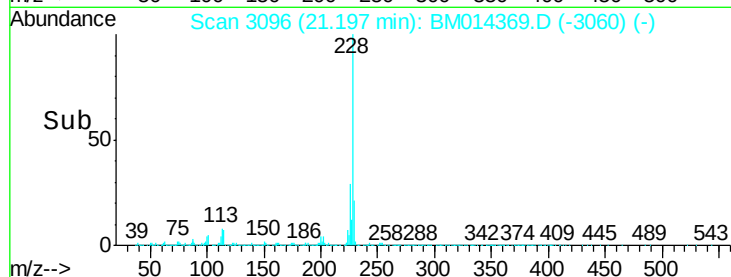
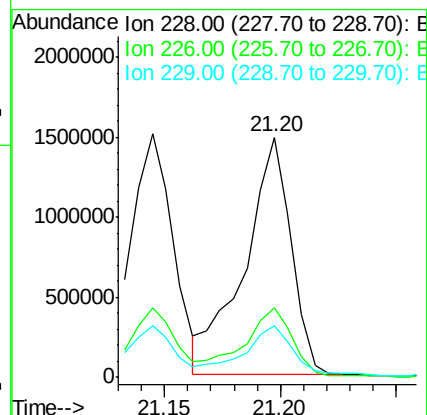
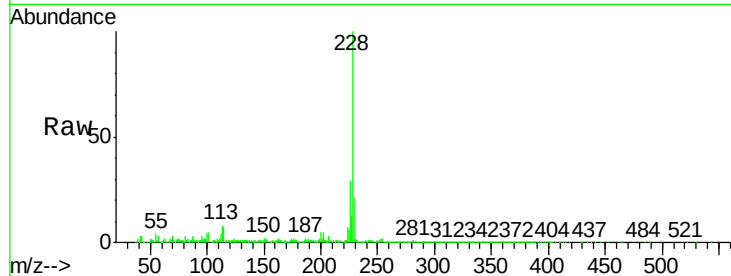
226 29.0 23.4 35.2

229 21.5 15.5 23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 105.742 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.03 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

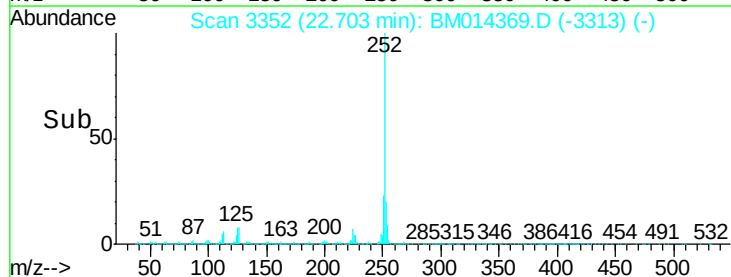
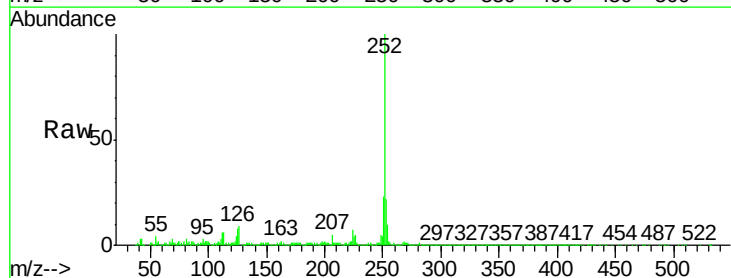
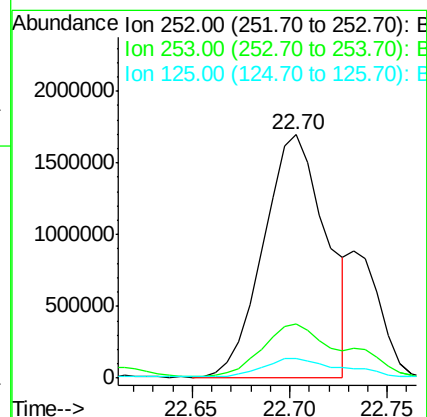
Tgt Ion:252 Resp: 3771214

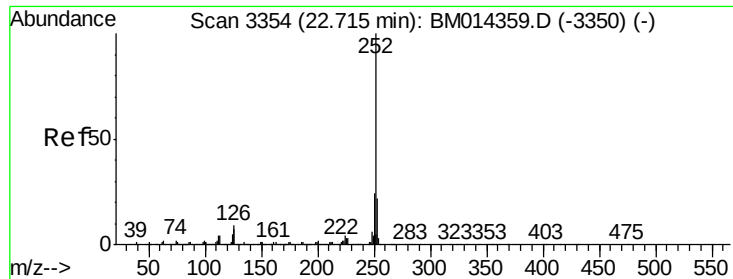
Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

125 8.1 3.6 5.4#





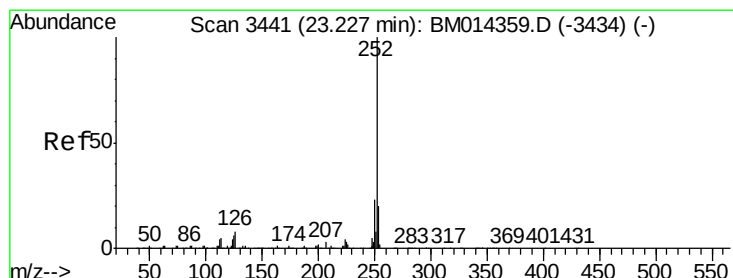
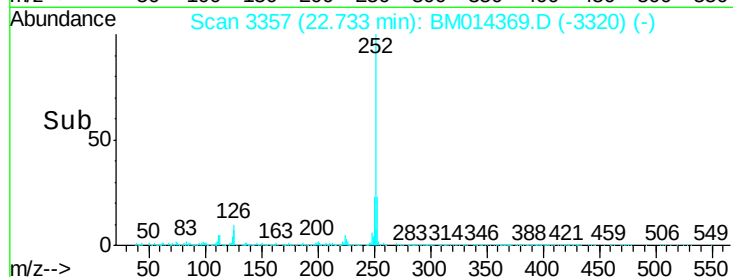
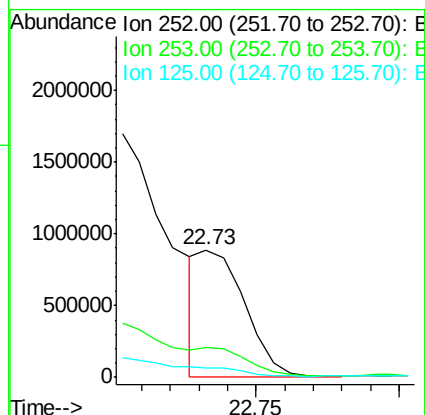
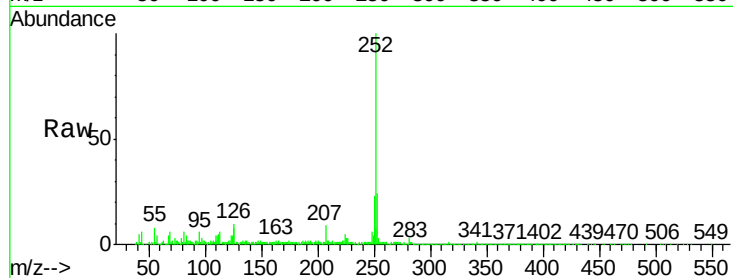
#86
Benzo(k)fluoranthene
Concen: 28.724 ng/ul m
RT: 22.73 min Scan# 3357
Delta R.T. 0.02 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_M
ClientSampleId :
BE5Z0

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	7.9	3.4	5.2

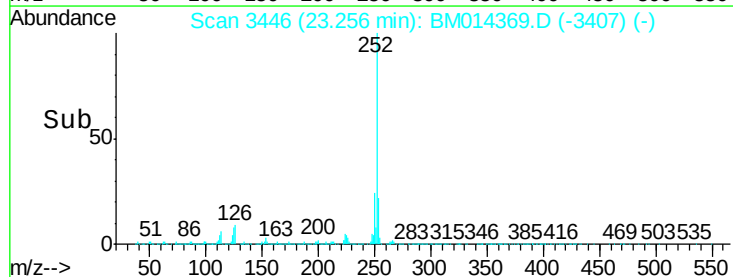
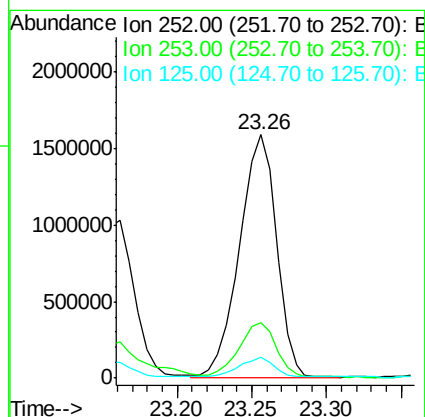
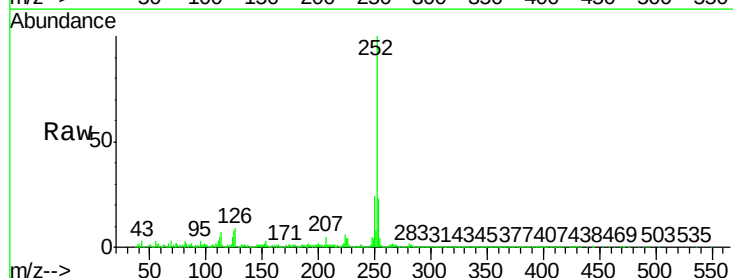
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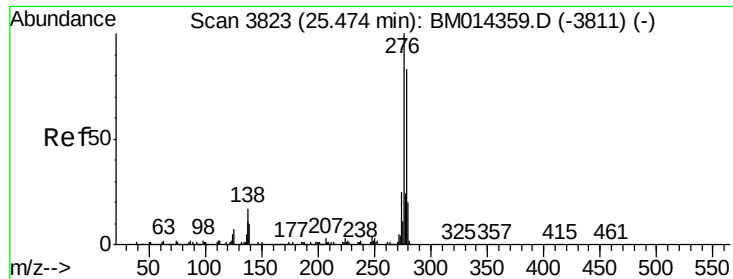
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#88
Benzo(a)pyrene
Concen: 85.602 ng/ul
RT: 23.26 min Scan# 3446
Delta R.T. 0.03 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	8.3	4.0	6.0





#89

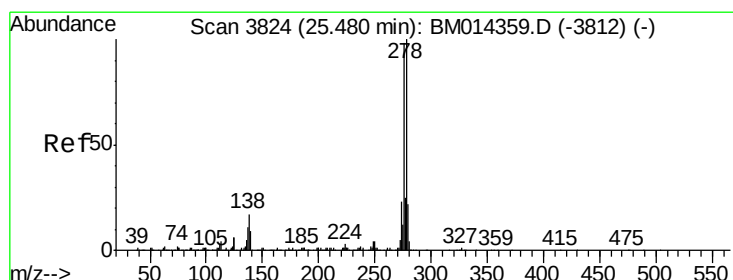
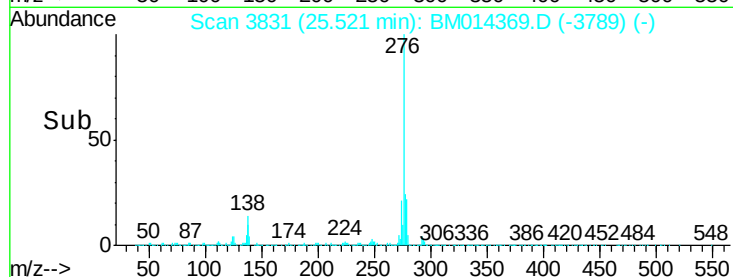
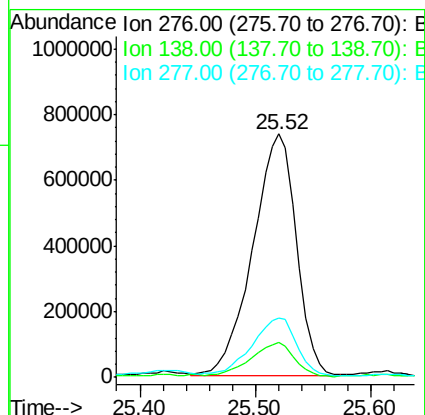
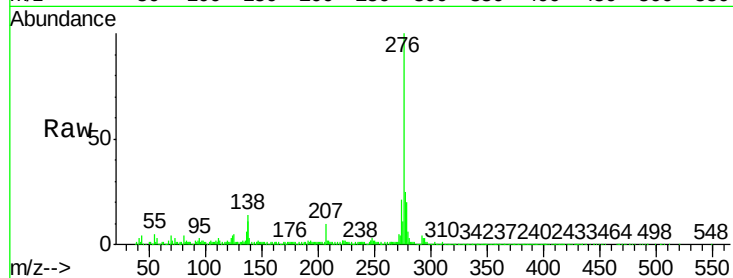
Indeno(1,2,3-cd)pyrene
Concen: 62.335 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.05 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Instrument :
BNA_M
ClientSampleId :
BE5Z0

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.3	13.9#
277	24.6	19.9	29.9

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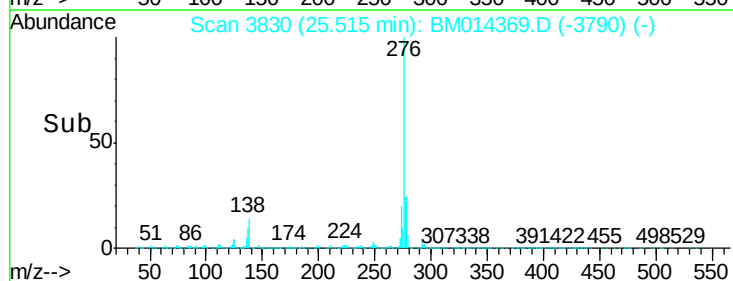
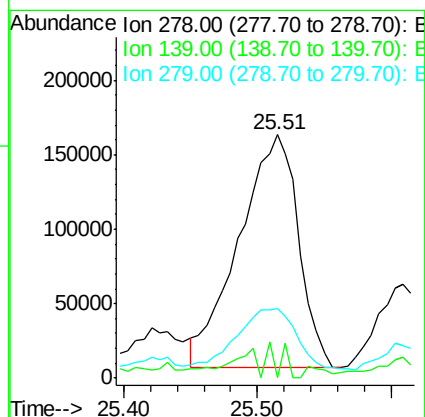
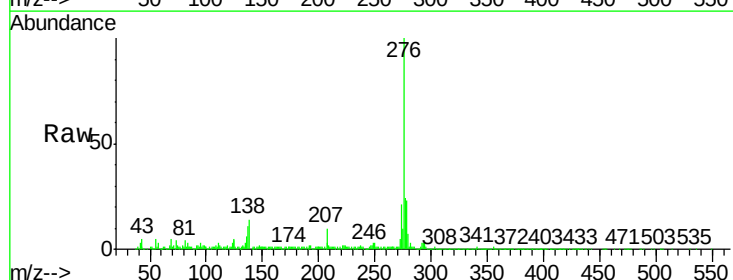
Sohil
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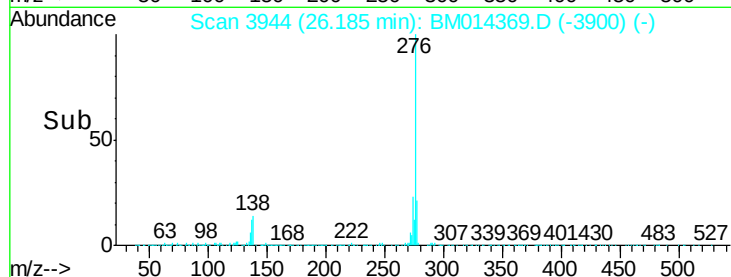
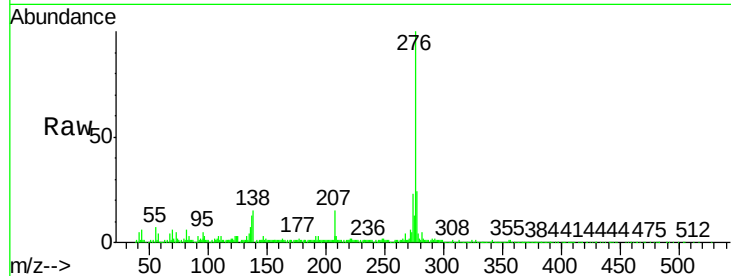
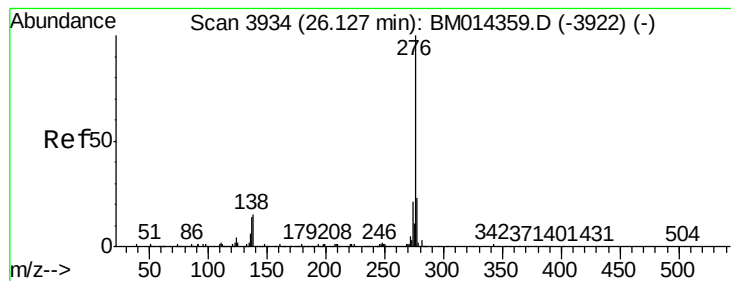


#90

Dibenzo(a,h)anthracene
Concen: 18.776 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. 0.04 min
Lab File: BM014369.D
Acq: 26 Feb 2018 22:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	28.6	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 57.303 ng/uL

RT: 26.19 min Scan# 3944

Delta R.T. 0.06 min

Lab File: BM014369.D

Acq: 26 Feb 2018 22:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	8.5	12.7#
277	24.1	18.6	28.0

Instrument :

BNA_M

ClientSampleId :

BE5Z0

Manual Integrations
APPROVED

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2/27/2018 4:58:39 PM

