

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014363.D
 Acq On : 26 Feb 2018 19:12
 Operator : SJ/JU
 Sample : J1631-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y7

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:58:22 PM

Quant Time: Feb 27 04:18:26 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	130537	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	584427	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	349167	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	734735	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	581437	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	510831	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	10030	3.29	ng/uL	0.00
5) Phenol-d5	6.72	99	256623	23.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.88	67	159751	23.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	215147	25.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	198476	20.56	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	112161	25.97	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	125067	27.98	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	227861	24.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	125393	13.75	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	782422	27.13	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1011049	28.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	73815m	18.54	ng/ul	0.01
57) Fluorene-d10	15.18	176	676671	26.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	50599	11.48	ng/ul	0.00
70) Anthracene-d10	17.04	188	1021844	28.83	ng/ul	0.00
76) Pyrene-d10	19.35	212	969937	32.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	690626	27.78	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.75	94	25859	2.234	ng/ul#	88
14) Acetophenone	8.35	105	53385	3.205	ng/ul	97
24) 2,4-Dimethylphenol	9.48	107	17024	1.434	ng/ul#	40
28) Naphthalene	10.34	128	206860	6.892	ng/ul	99
34) 2-Methylnaphthalene	11.97	142	67049	2.935	ng/ul	98
44) Dimethylphthalate	13.65	163	313556	11.028	ng/ul	99
47) Acenaphthylene	13.90	152	195737	5.824	ng/ul	97
49) Acenaphthene	14.25	153	167906	7.095	ng/ul	98
53) Dibenzofuran	14.59	168	182374	5.140	ng/ul#	87
58) Fluorene	15.24	166	226823	7.405	ng/ul	98
69) Phenanthrene	16.99	178	4230223	99.929	ng/ul	99
71) Anthracene	17.07	178	761330	17.883	ng/ul	98
72) Carbazole	17.36	167	351078	9.807	ng/ul#	97
74) Fluoranthene	19.02	202	6384590	126.237	ng/ul#	89
77) Pyrene	19.39	202	5593338	144.752	ng/ul#	92
80) Benzo(a)anthracene	21.14	228	3090326	85.162	ng/ul	98
82) Chrysene	21.19	228	2789636	82.408	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	3433064	100.369	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	1071545m	32.950	ng/ul	
88) Benzo(a)pyrene	23.24	252	2354923	77.046	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.50	276	1360322	45.865	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.50	278	381471	15.479	ng/ul#	83
91) Benzo(g,h,i)perylene	26.16	276	969750	40.361	ng/ul#	94

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
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BNA_M
ClientSampleId :
BE5Y7

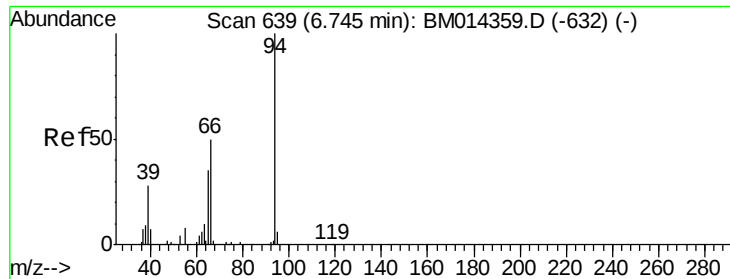
Manual Integrations
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2/27/2018 4:58:22 PM

Quant Time: Feb 27 04:18:26 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
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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



#6

Phenol

Concen: 2.234 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

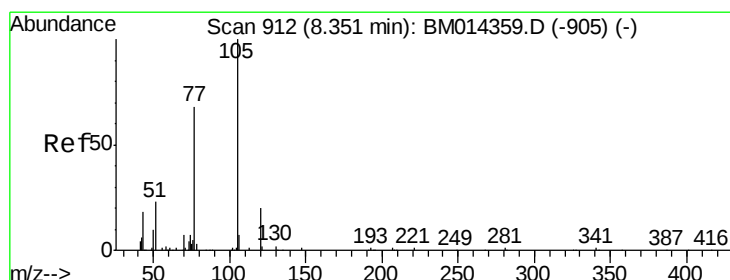
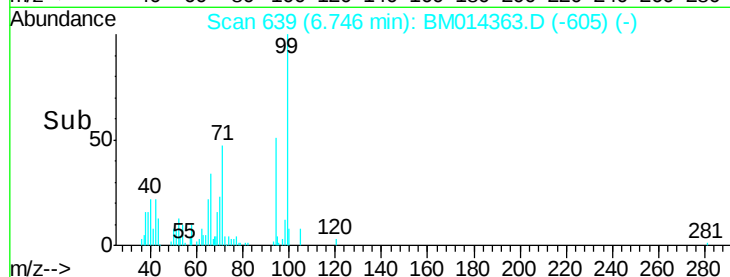
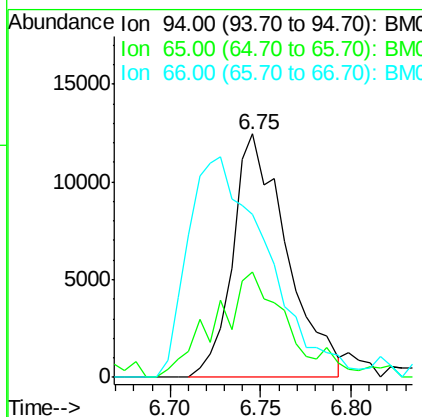
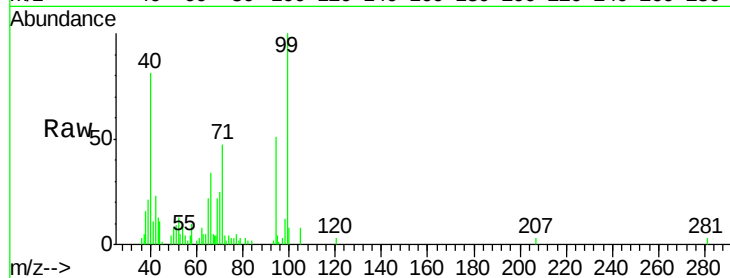
ClientSampleId :

BE5Y7

Tgt Ion:	94	Resp:	25859
Ion	Ratio	Lower	Upper
94	100		
65	43.5	28.2	42.4#
66	66.9	47.2	70.8

Manual Integrations
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#14

Acetophenone

Concen: 3.205 ng/ul

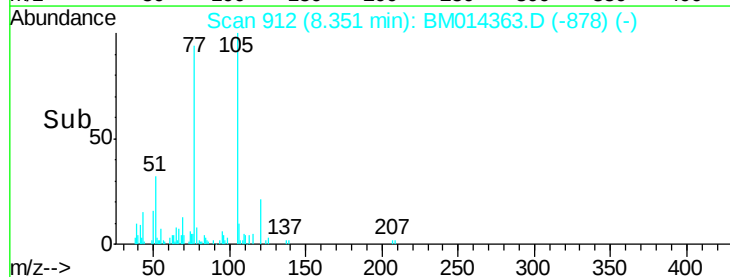
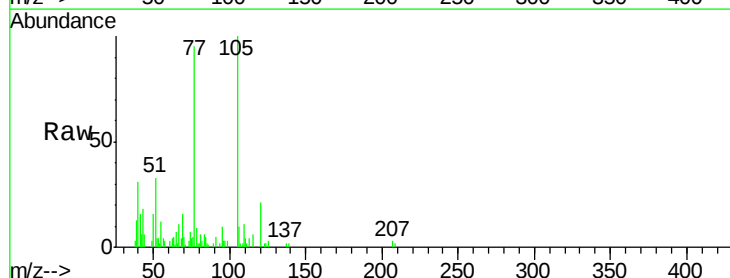
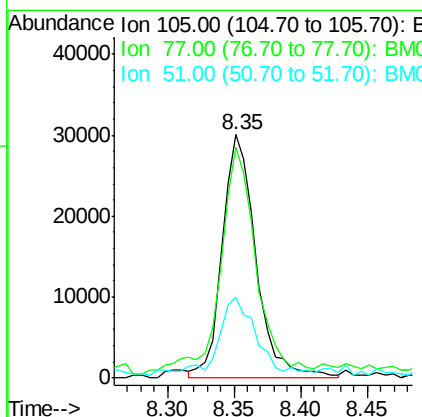
RT: 8.35 min Scan# 912

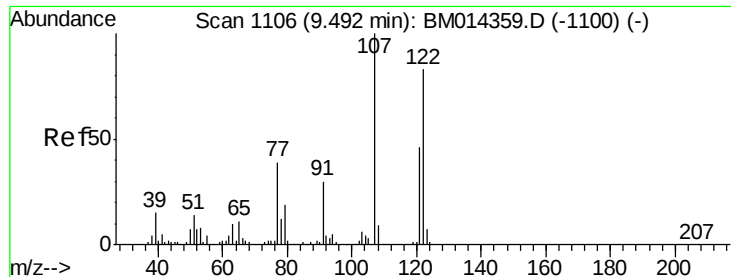
Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Tgt Ion:	105	Resp:	53385
Ion	Ratio	Lower	Upper
105	100		
77	94.6	74.2	111.4
51	33.3	23.4	35.2





#24

2,4-Dimethylphenol

Concen: 1.434 ng/ul

RT: 9.48 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

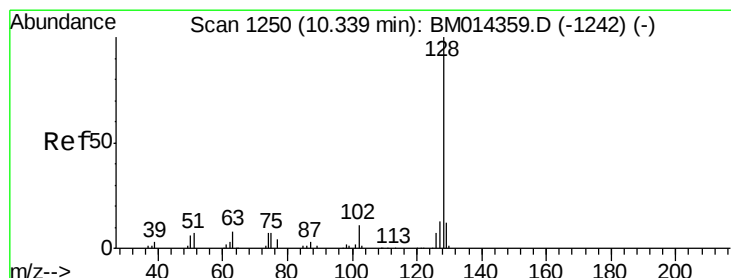
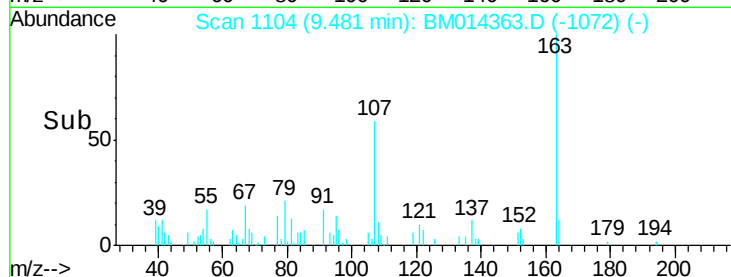
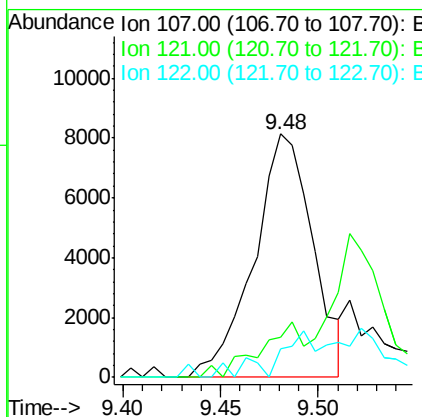
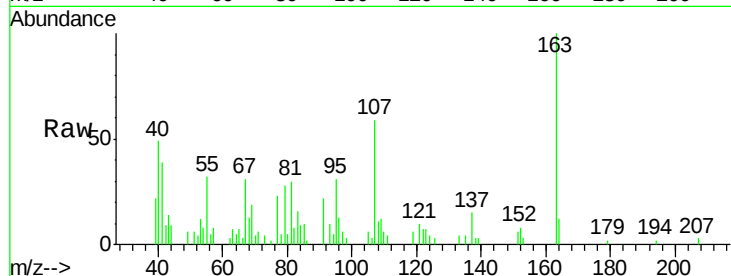
ClientSampled :

BE5Y7

Tgt Ion:	107	Resp:	17024
Ion Ratio	Lower	Upper	
107	100		
121	16.2	31.9	47.9#
122	11.6	57.8	86.6#

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#28

Naphthalene

Concen: 6.892 ng/ul

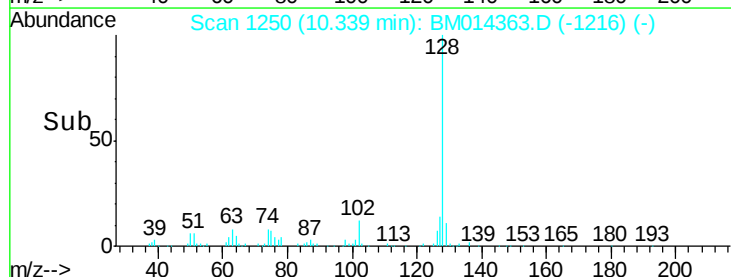
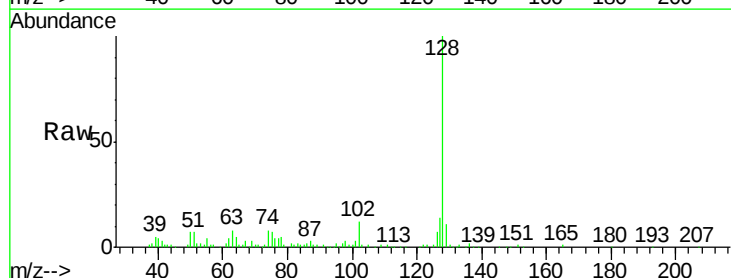
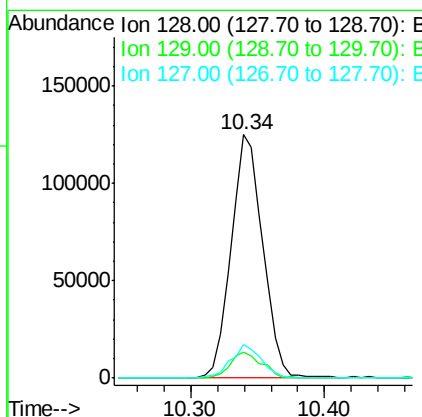
RT: 10.34 min Scan# 1250

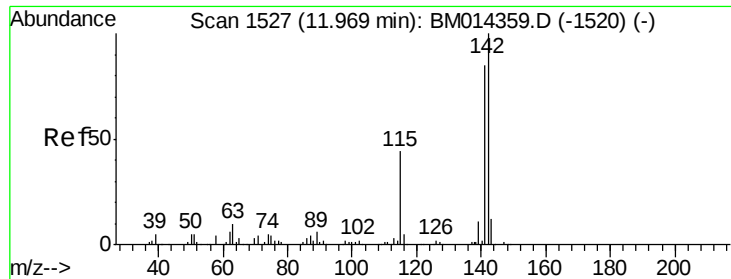
Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Tgt Ion:	128	Resp:	206860
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.8	13.2
127	14.0	10.6	16.0





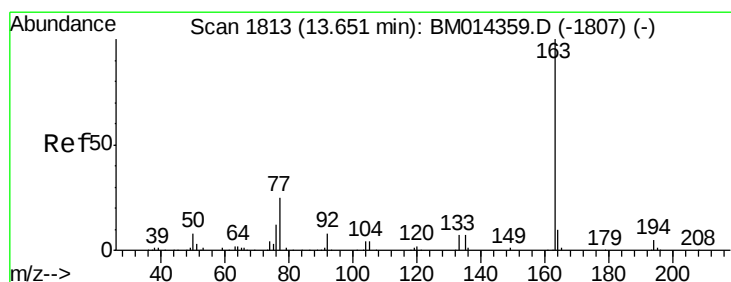
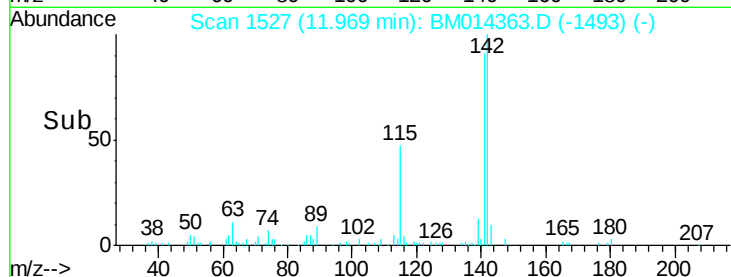
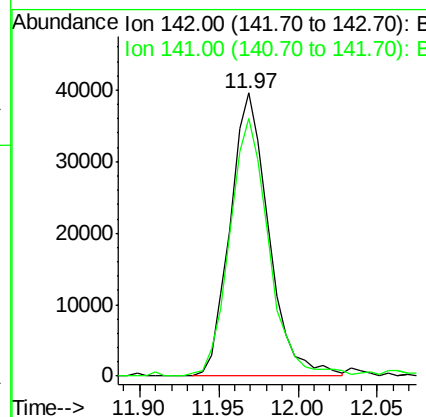
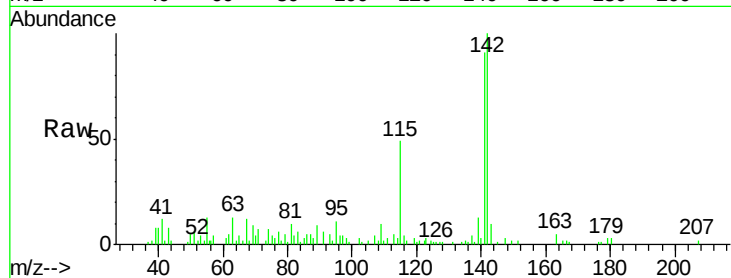
#34
2-Methylnaphthalene
Concen: 2.935 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Instrument :
BNA_M
ClientSampleId :
BE5Y7

Tgt Ion:142 Resp: 67049
Ion Ratio Lower Upper
142 100
141 91.0 74.1 111.1

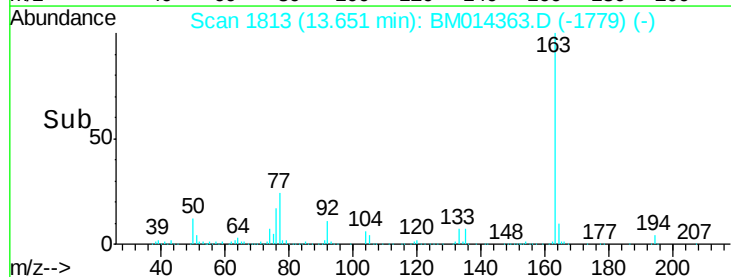
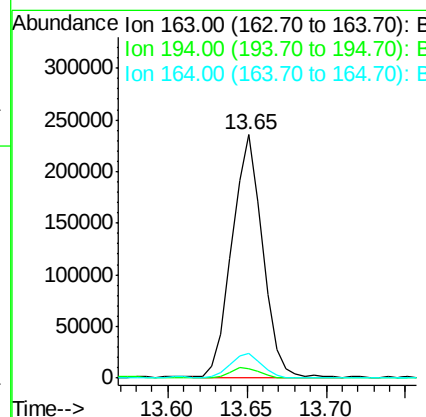
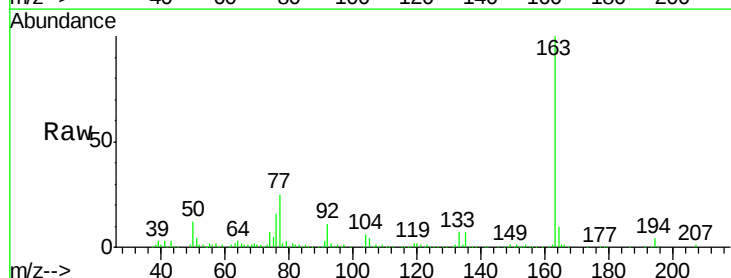
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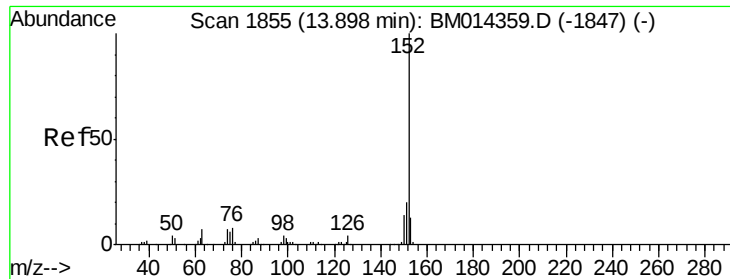
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#44
Dimethylphthalate
Concen: 11.028 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.00 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Tgt Ion:163 Resp: 313556
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 10.3 8.2 12.4





#47

Acenaphthylene

Concen: 5.824 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

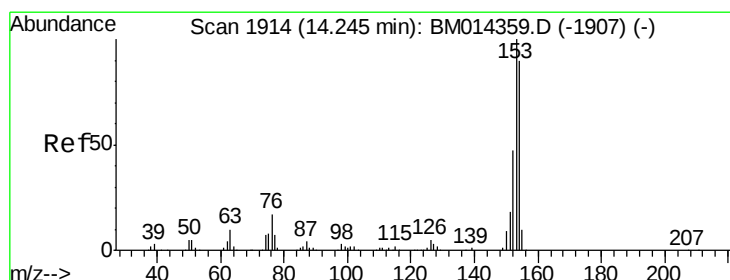
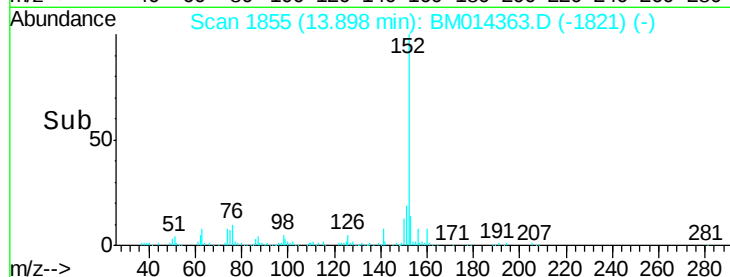
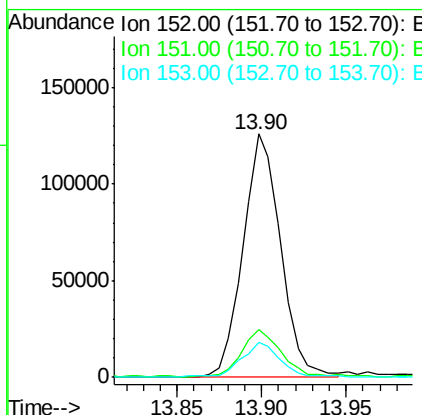
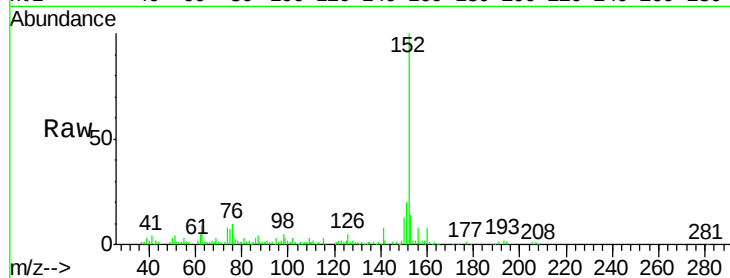
ClientSampleId :

BE5Y7

Tgt Ion:	152	Resp:	195737
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	14.3	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 7.095 ng/ul

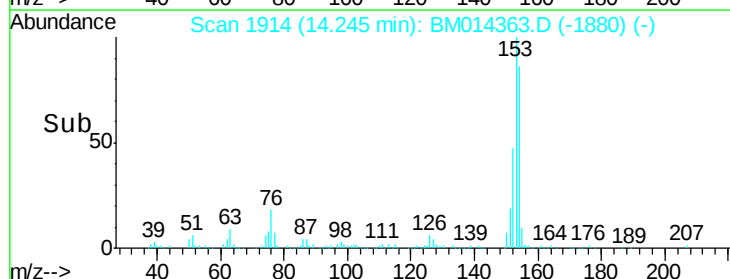
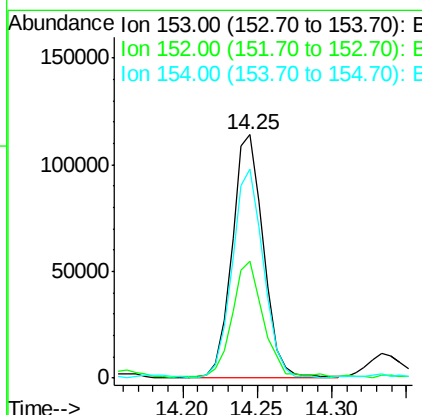
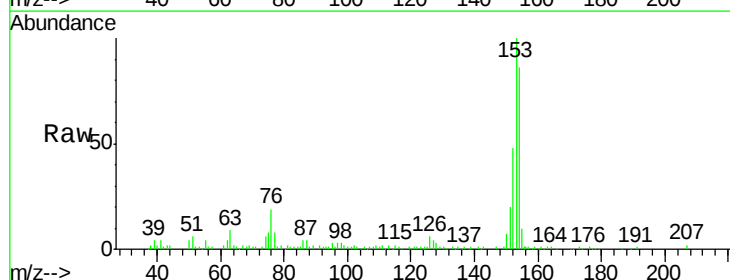
RT: 14.25 min Scan# 1914

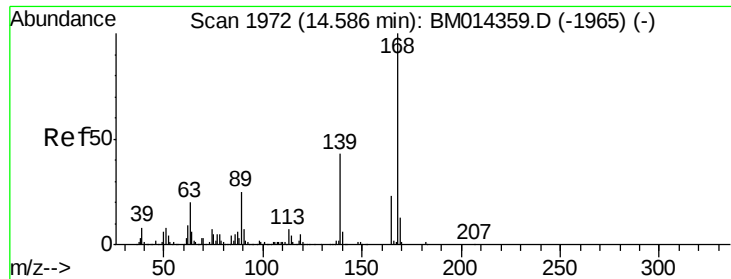
Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Tgt Ion:	153	Resp:	167906
Ion Ratio	Lower	Upper	
153	100		
152	47.9	37.6	56.4
154	85.9	70.4	105.6





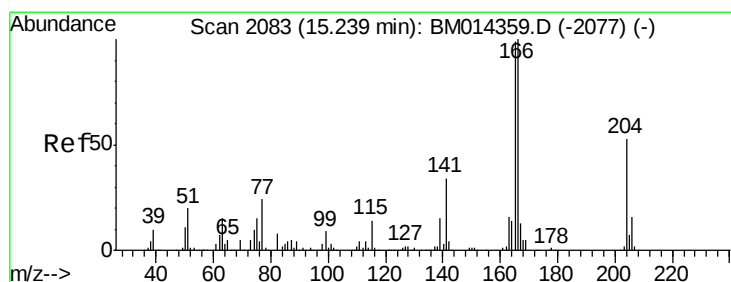
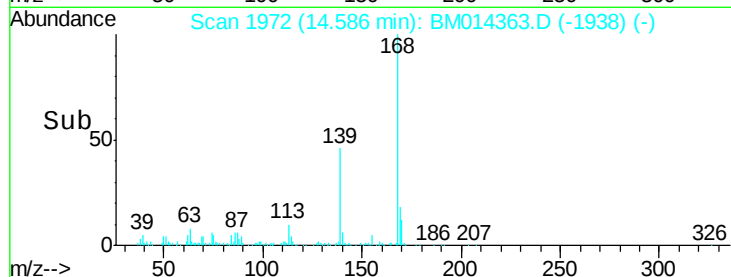
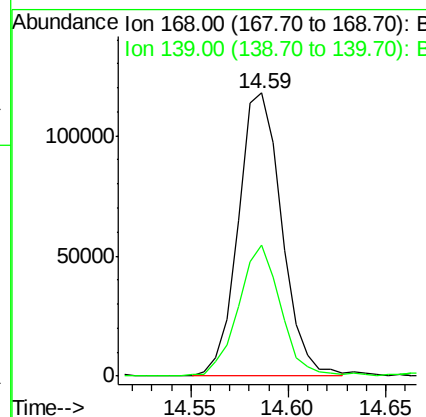
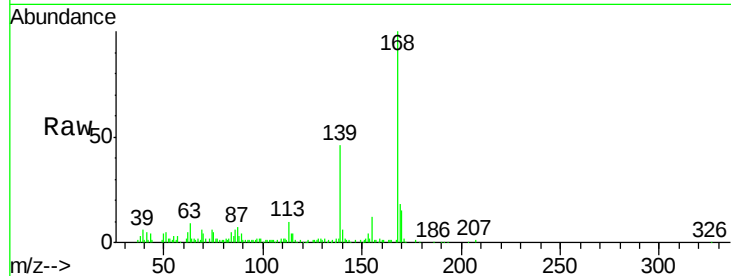
#53
Dibenzenofuran
Concen: 5.140 ng/ul
RT: 14.59 min Scan# 1972
Delta R.T. 0.00 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Instrument :
BNA_M
ClientSampled :
BE5Y7

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	182374		
139	46.3	30.8	46.2#	

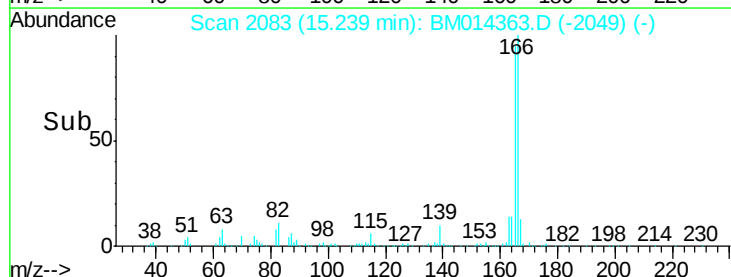
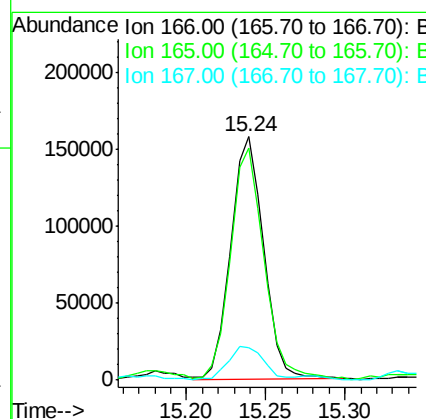
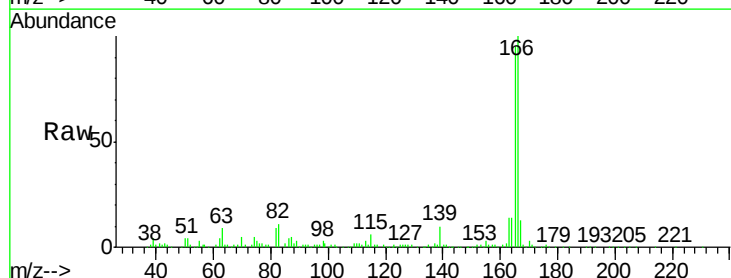
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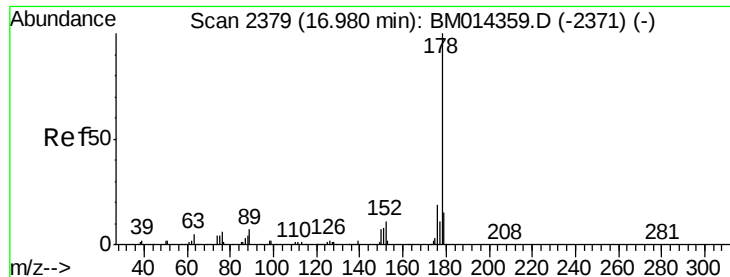
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#58
Fluorene
Concen: 7.405 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. 0.00 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	226823		
165	95.3	77.9	116.9	
167	13.1	10.6	16.0	





#69

Phenanthrene

Concen: 99.929 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

Tgt Ion:178 Resp: 4230223

Ion Ratio Lower Upper

178 100

179 14.8 12.6 19.0

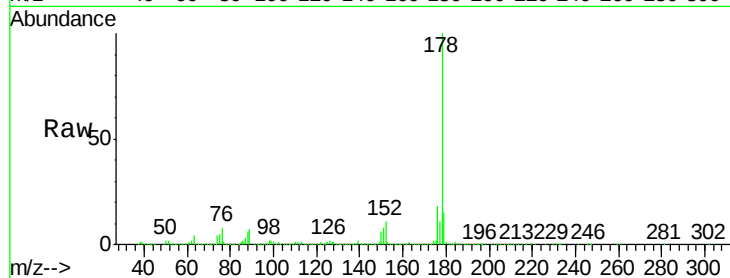
176 18.4 14.9 22.3

Manual Integrations

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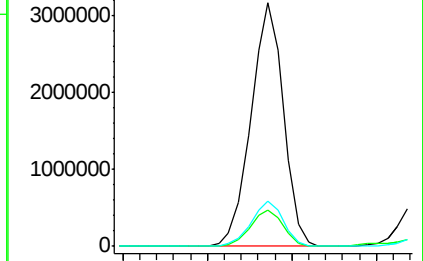
2/27/2018 4:58:22 PM



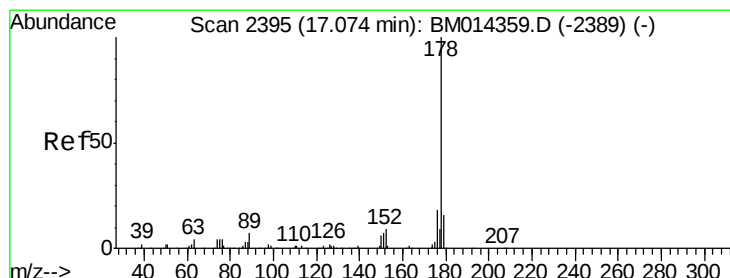
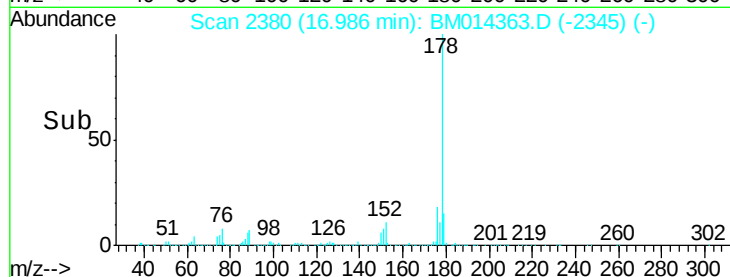
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 17.883 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

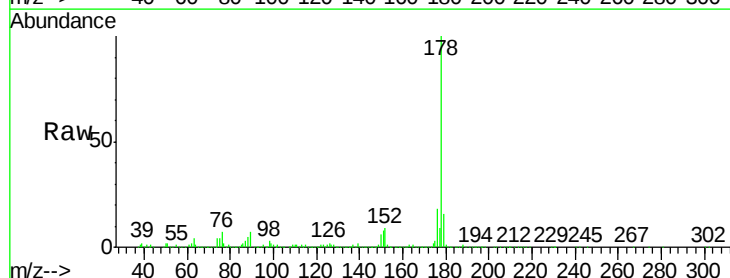
Tgt Ion:178 Resp: 761330

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

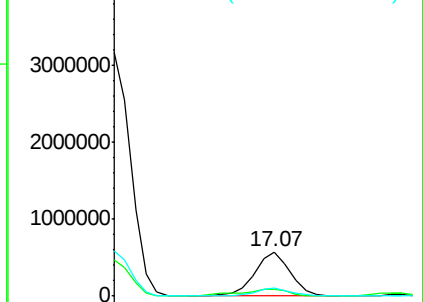
176 18.0 14.6 21.8



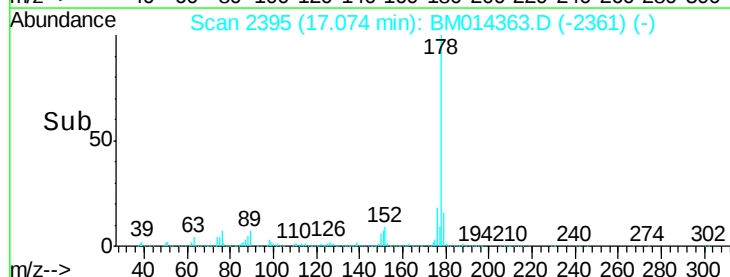
Abundance Ion 178.00 (177.70 to 178.70): E

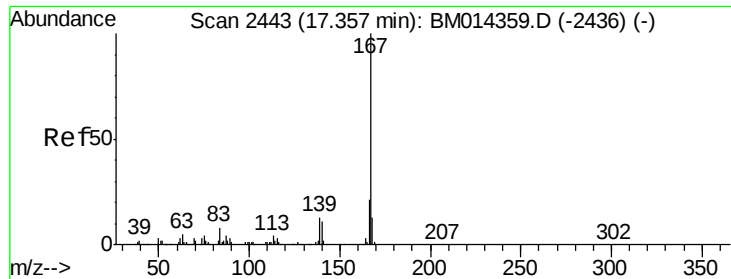
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#72

Carbazole

Concen: 9.807 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

Tgt Ion:167 Resp: 351078

Ion Ratio Lower Upper

167 100

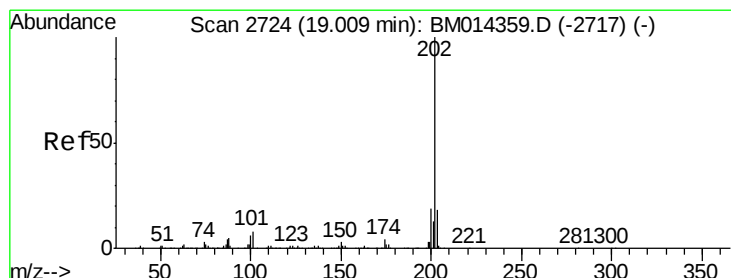
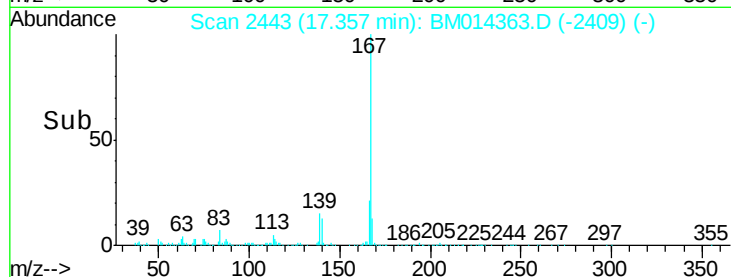
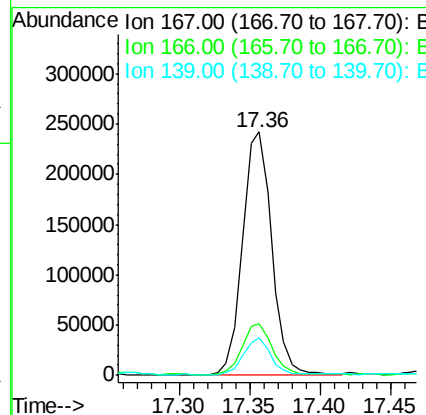
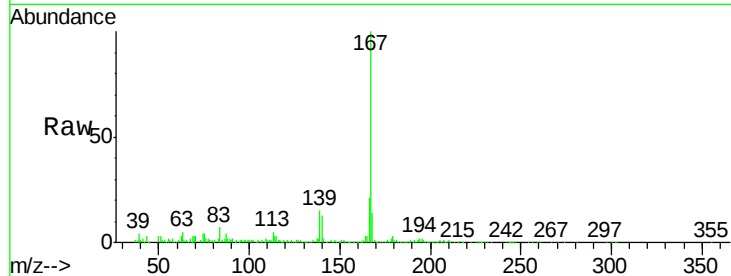
166 21.2 17.1 25.7

139 15.2 10.0 15.0#

Manual Integrations
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2/27/2018 4:58:22 PM



#74

Fluoranthene

Concen: 126.237 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

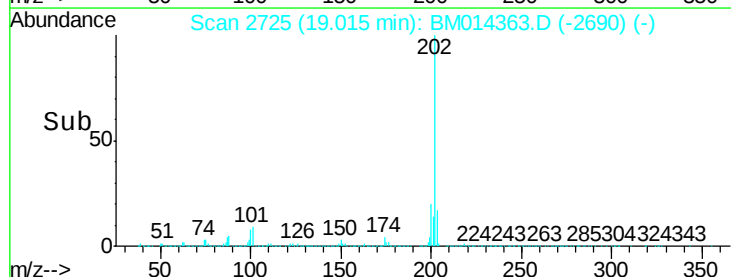
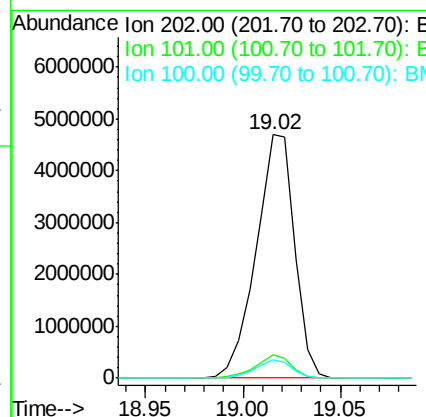
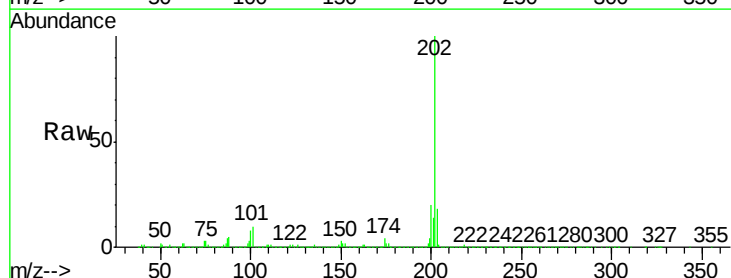
Tgt Ion:202 Resp: 6384590

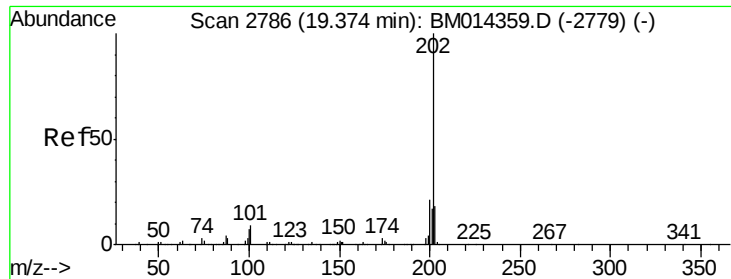
Ion Ratio Lower Upper

202 100

101 9.6 4.6 7.0#

100 7.6 3.4 5.2#





#77

Pyrene

Concen: 144.752 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

ClientSampled :

BE5Y7

Tgt Ion:202 Resp: 5593338

Ion Ratio Lower Upper

202 100

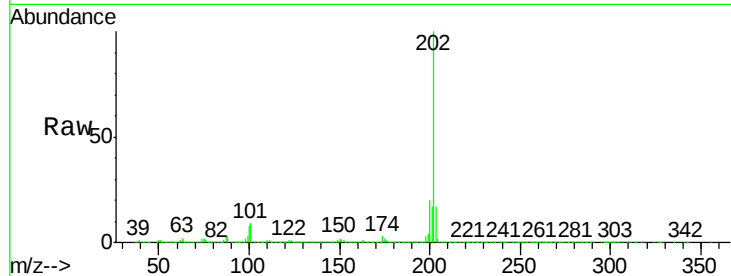
101 9.4 5.1 7.7#

100 8.2 4.9 7.3#

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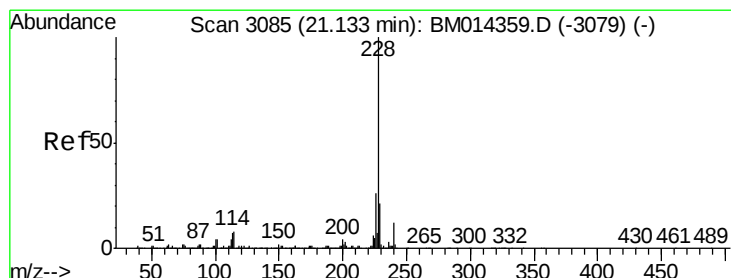
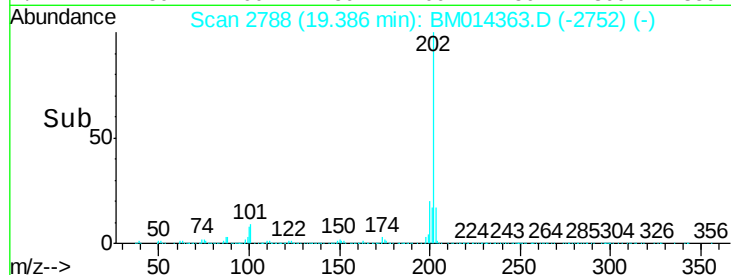
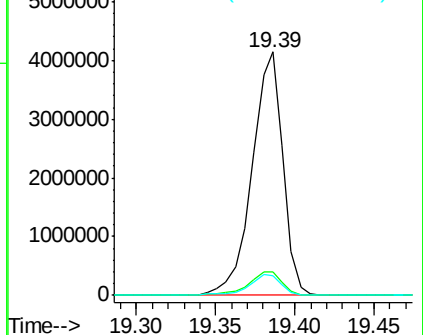
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 85.162 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

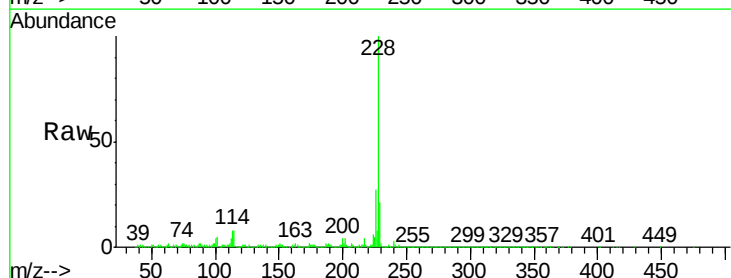
Tgt Ion:228 Resp: 3090326

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

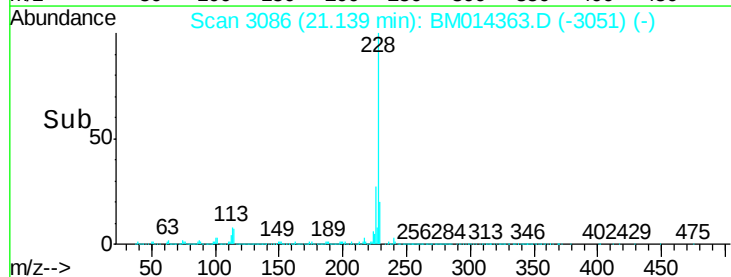
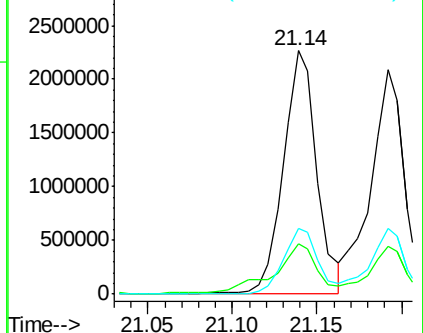
226 26.8 21.4 32.0

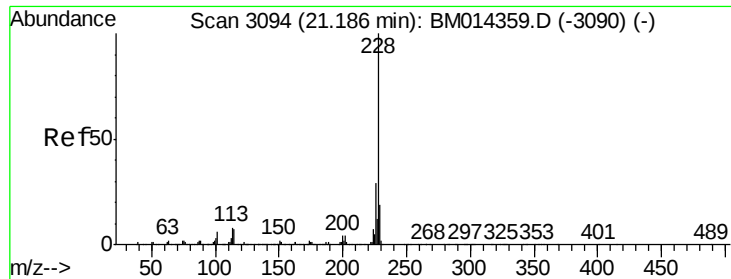


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 82.408 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Instrument :

BNA_M

ClientSampleId :

BE5Y7

Tgt Ion:228 Resp: 2789636

Ion Ratio Lower Upper

228 100

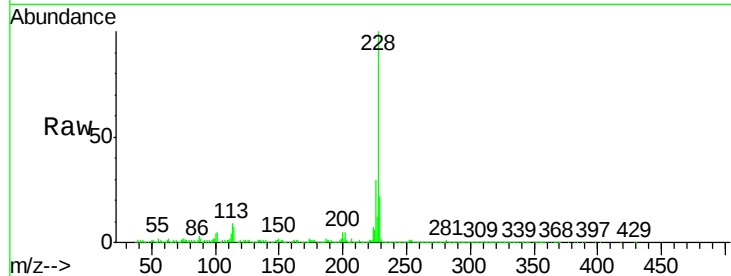
226 29.6 23.4 35.2

229 21.6 15.5 23.3

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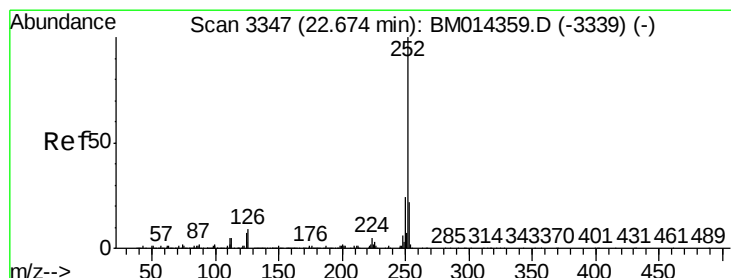
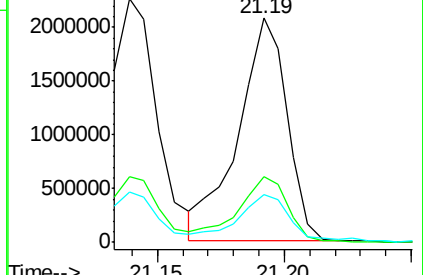
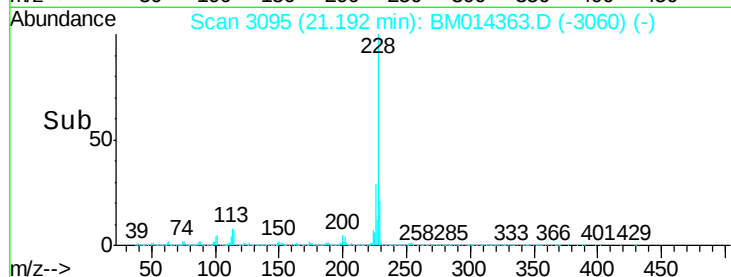
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 100.369 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

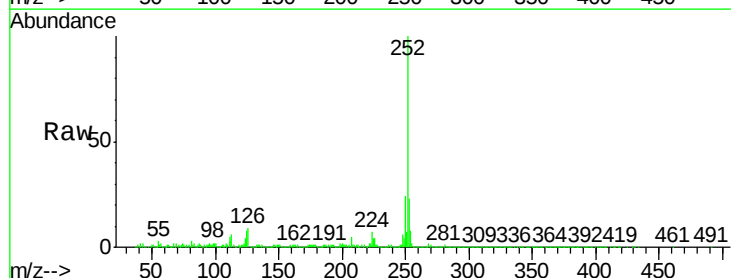
Tgt Ion:252 Resp: 3433064

Ion Ratio Lower Upper

252 100

253 22.6 17.9 26.9

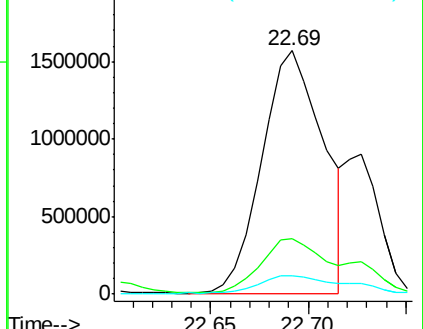
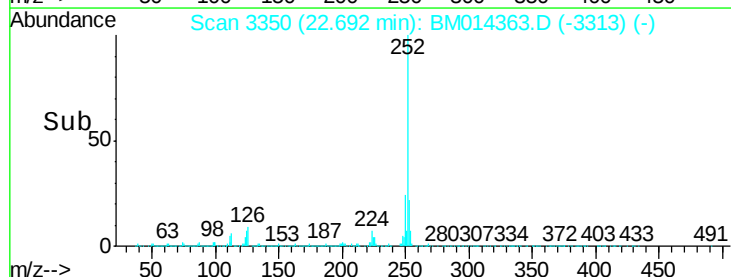
125 7.6 3.6 5.4#

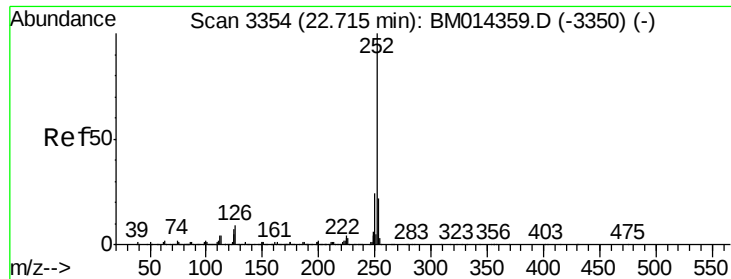


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





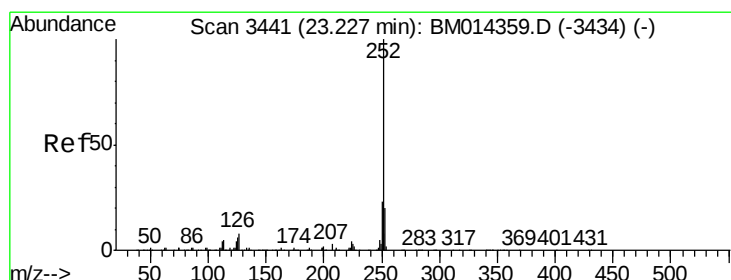
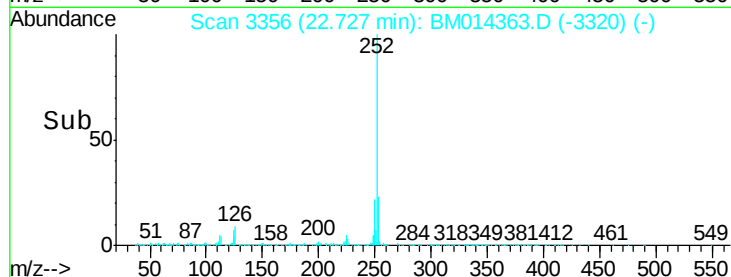
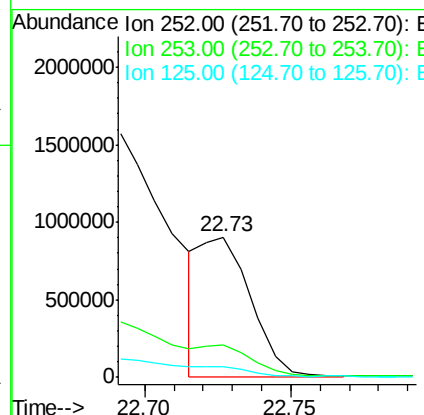
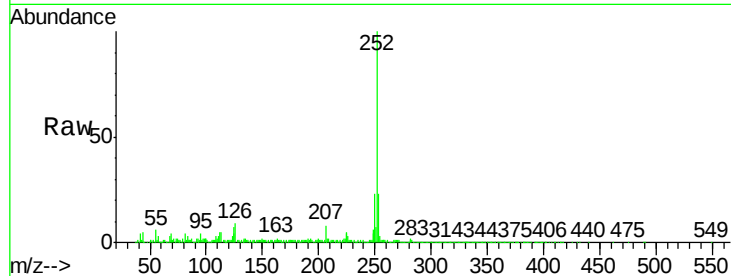
#86
Benzo(k)fluoranthene
Concen: 32.950 ng/ul m
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Instrument :
BNA_M
ClientSampleId :
BE5Y7

Tgt Ion:252 Resp: 1071545
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 7.2 3.4 5.2#

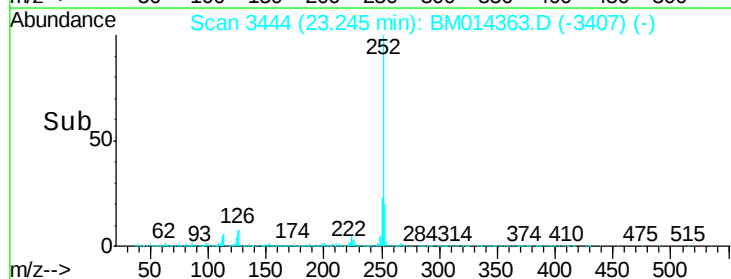
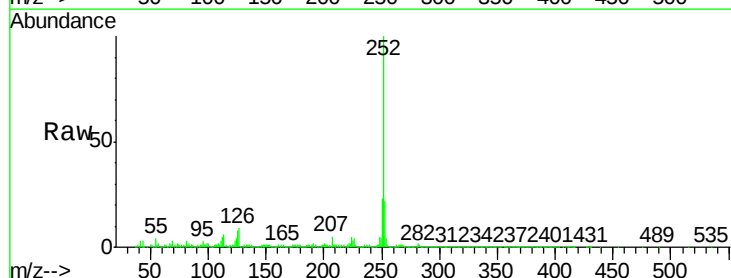
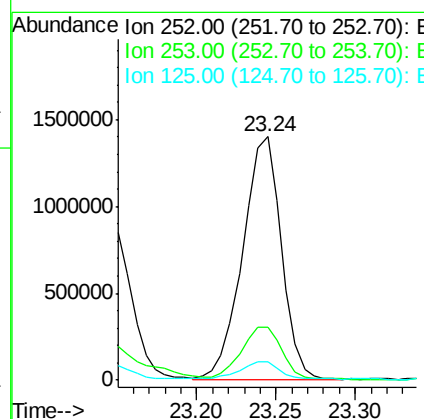
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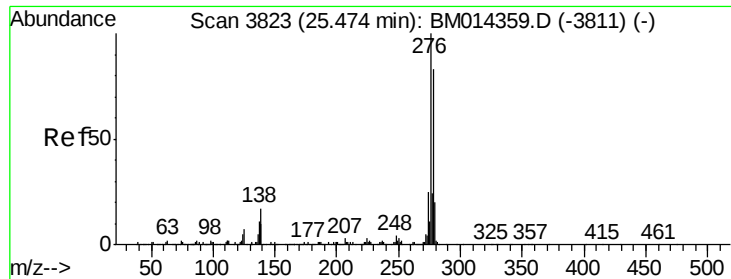
Sohil
2/27/2018 4:58:22 PM



#88
Benzo(a)pyrene
Concen: 77.046 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Tgt Ion:252 Resp: 2354923
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 7.6 4.0 6.0#





#89

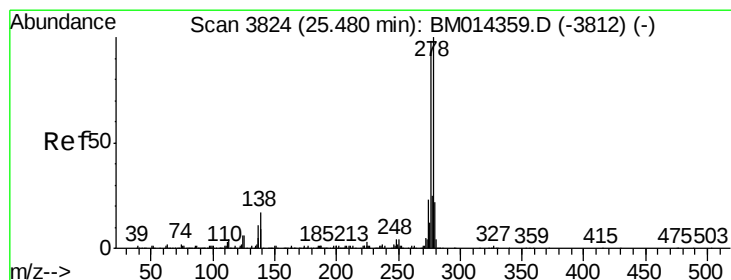
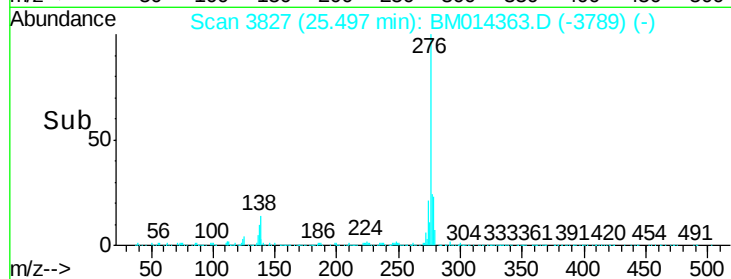
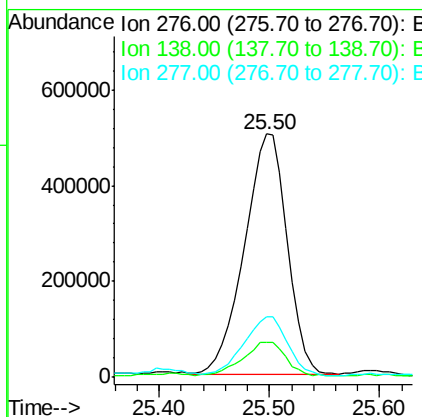
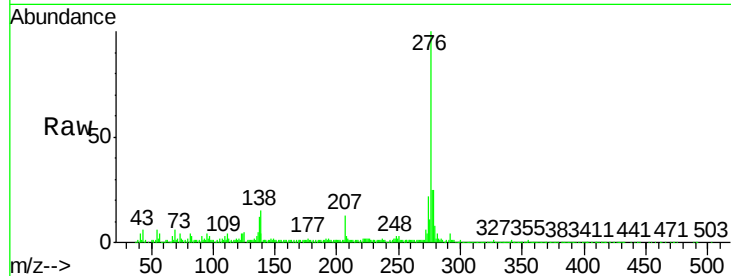
Indeno(1,2,3-cd)pyrene
Concen: 45.865 ng/u1
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Instrument :
BNA_M
ClientSampleId :
BE5Y7

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	9.3	13.9#
277	25.0	19.9	29.9

Manual Integrations
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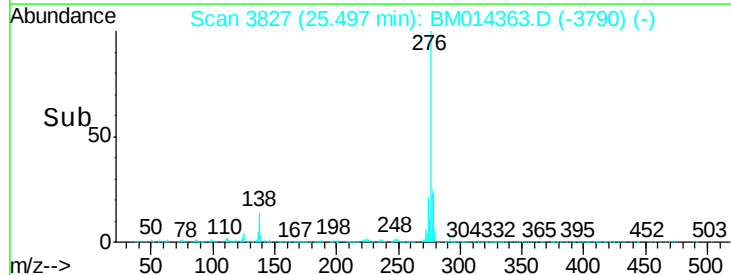
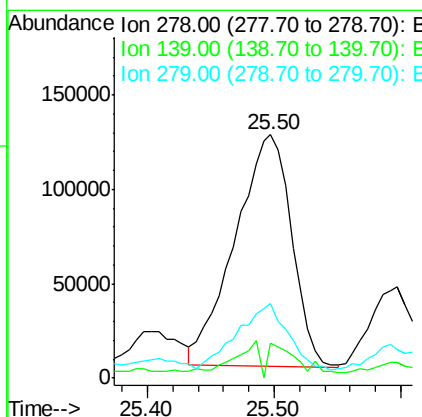
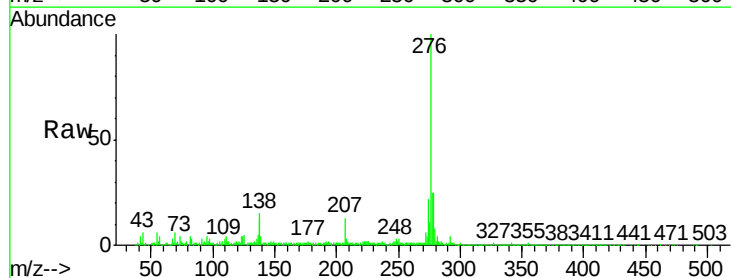
Sohil
2/27/2018 4:58:22 PM

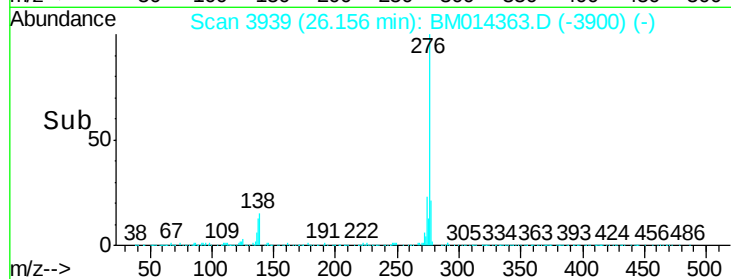
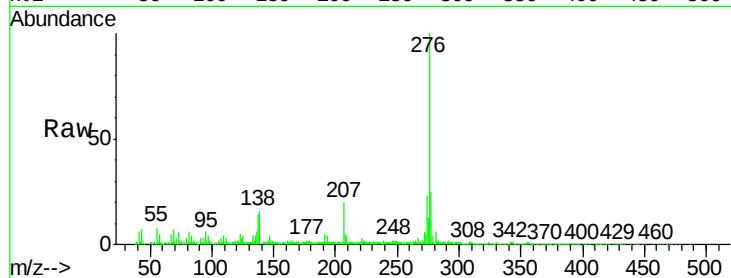
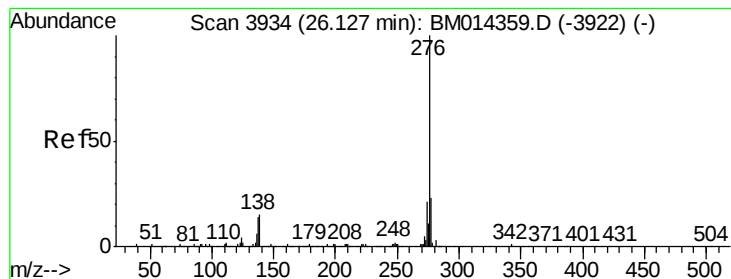


#90

Dibenzo(a,h)anthracene
Concen: 15.479 ng/u1
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014363.D
Acq: 26 Feb 2018 19:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	5.8	8.8#
279	30.7	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 40.361 ng/ul

RT: 26.16 min Scan# 3939

Delta R.T. 0.03 min

Lab File: BM014363.D

Acq: 26 Feb 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	969750		
138	15.5	8.5	12.7#	
277	24.6	18.6	28.0	

Instrument :

BNA_M

ClientSampleId :

BE5Y7

Manual Integrations
APPROVED

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