

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014374.D
 Acq On : 27 Feb 2018 01:47
 Operator : SJ/JU
 Sample : J1646-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X7

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:58:50 PM

Quant Time: Feb 27 06:58:02 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	157419	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	712778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	400166	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	789350	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	542968	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	483820	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	16502m	4.49	ng/uL	0.00
5) Phenol-d5	6.73	99	377439	28.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	227707	28.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	314704	30.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	303355	26.06	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	162535	30.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	180179	33.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	332431	29.44	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	283000	25.44	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1070659	32.40	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1350313	33.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	109356m	23.97	ng/ul	0.02
57) Fluorene-d10	15.19	176	862652	29.14	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	32515	6.87	ng/ul	0.02
70) Anthracene-d10	17.05	188	1238340	32.52	ng/ul	0.00
76) Pyrene-d10	19.36	212	1071846	38.27	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	737912	31.34	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.75	94	44497	3.187	ng/ul	97
28) Naphthalene	10.35	128	128233	3.503	ng/ul	97
44) Dimethylphthalate	13.65	163	268824	8.250	ng/ul	100
47) Acenaphthylene	13.90	152	120587	3.131	ng/ul	96
49) Acenaphthene	14.25	153	77577	2.860	ng/ul	98
53) Dibenzofuran	14.59	168	61368	1.509	ng/ul	88
58) Fluorene	15.25	166	83871	2.389	ng/ul	95
69) Phenanthrene	16.99	178	1823700	40.100	ng/ul	99
71) Anthracene	17.08	178	405226	8.860	ng/ul	98
72) Carbazole	17.36	167	150981	3.926	ng/ul#	96
74) Fluoranthene	19.02	202	2847485	52.406	ng/ul#	93
77) Pyrene	19.39	202	2390307	66.243	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1086905	32.075	ng/ul	97
82) Chrysene	21.19	228	923557	29.215	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1067148	32.941	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	277245m	9.001	ng/ul	
88) Benzo(a)pyrene	23.24	252	781701	27.003	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	485542	17.284	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	138263	5.923	ng/ul#	87
91) Benzo(g,h,i)perylene	26.16	276	361327	15.878	ng/ul#	97

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

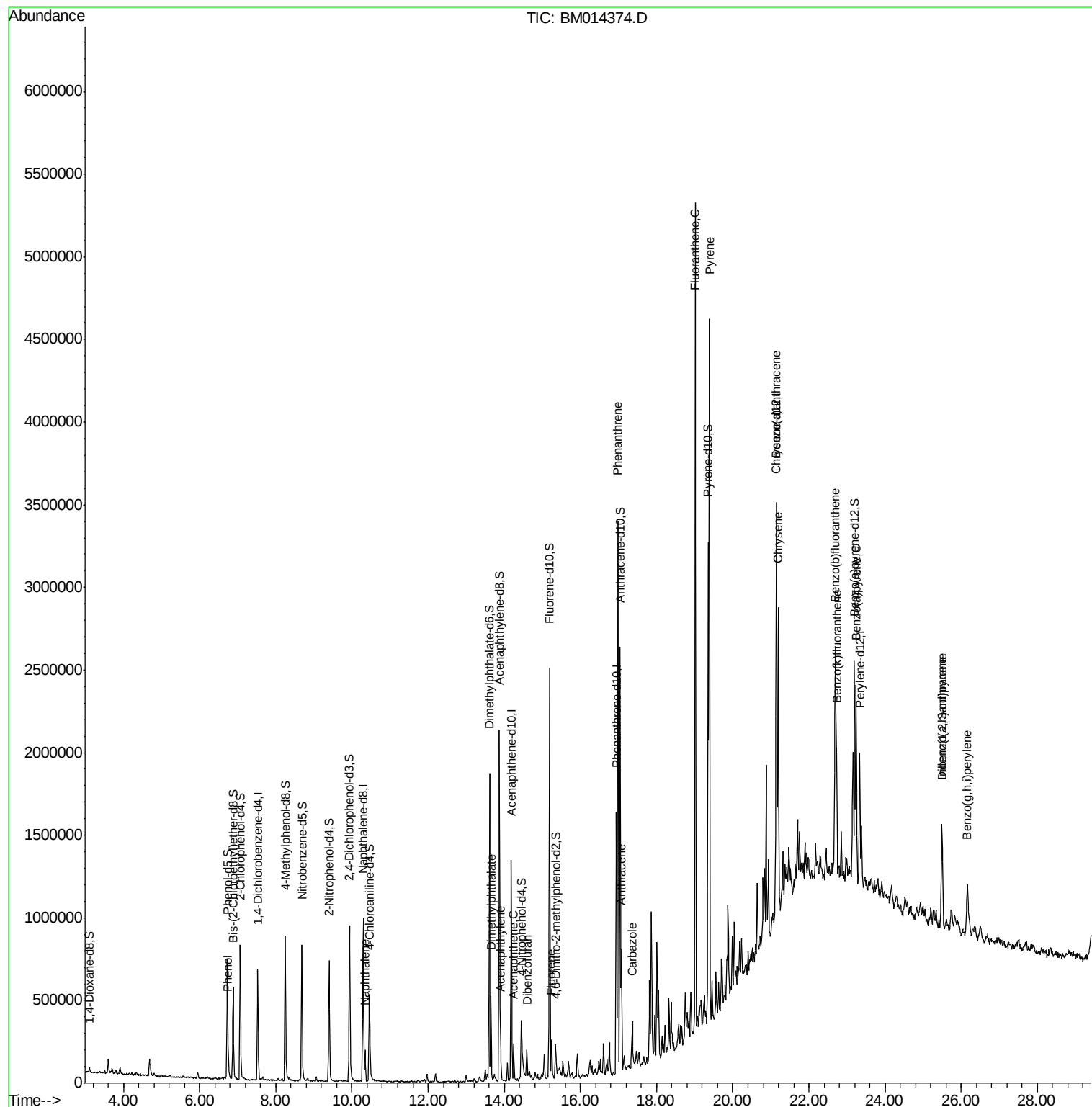
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014374.D
Acq On : 27 Feb 2018 01:47
Operator : SJ/JU
Sample : J1646-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

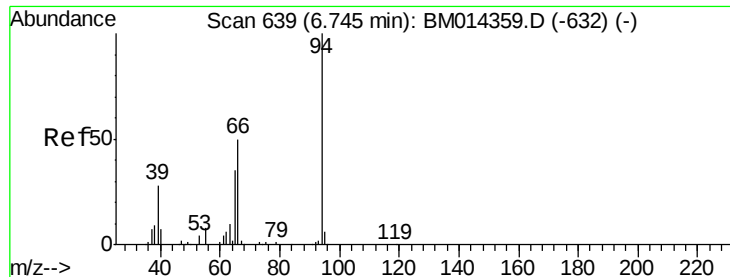
Instrument :
BNA_M
ClientSampleId :
BE5X7

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Quant Time: Feb 27 06:58:02 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





#6

Phenol

Concen: 3.187 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

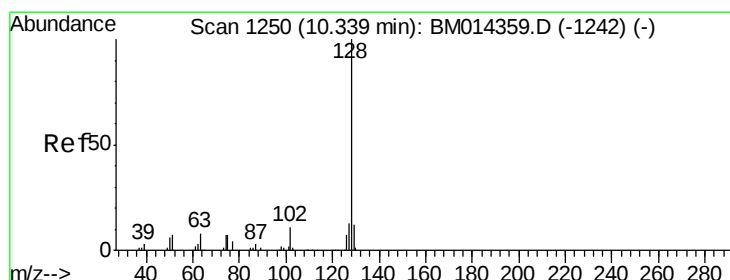
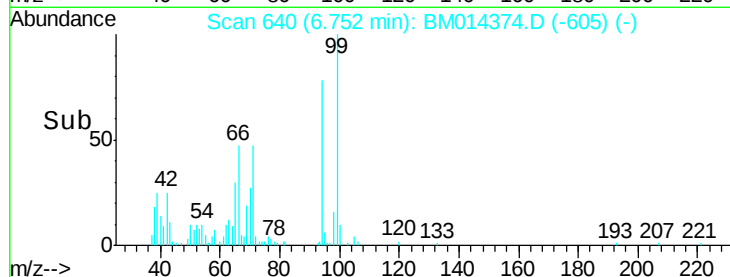
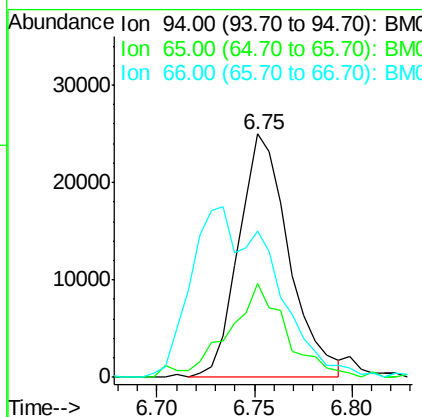
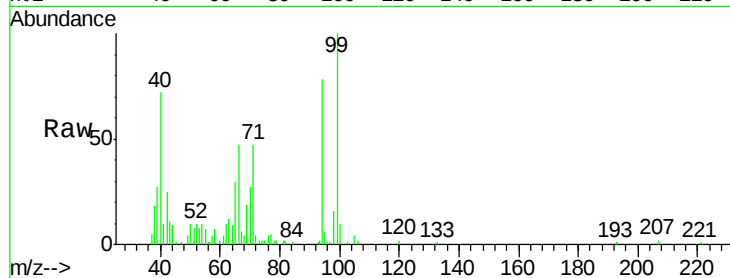
ClientSampleId :

BE5X7

Tgt Ion:	94	Resp:	44497
Ion Ratio	Lower	Upper	
94	100		
65	38.4	28.2	42.4
66	60.2	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 3.503 ng/ul

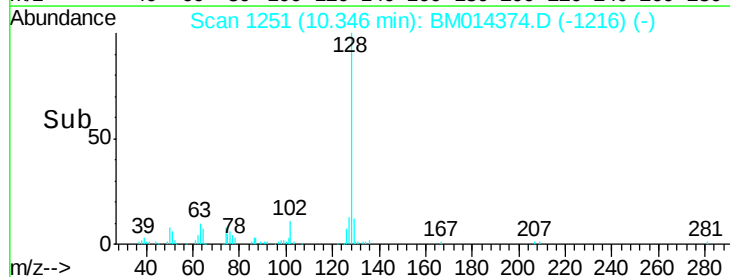
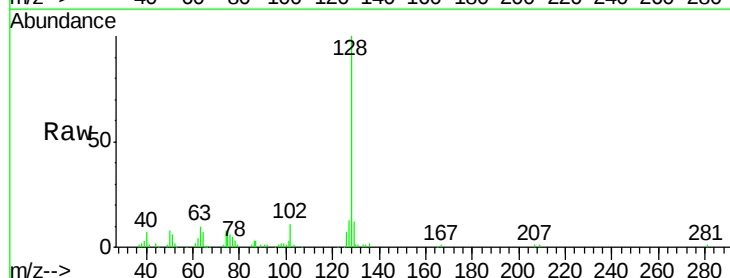
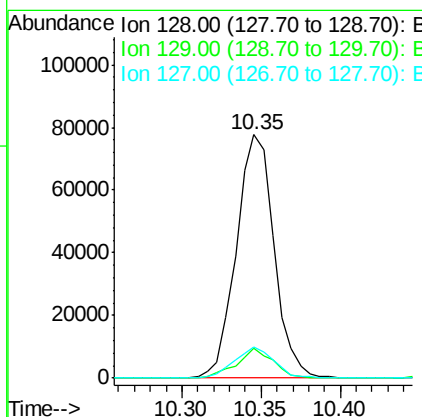
RT: 10.35 min Scan# 1251

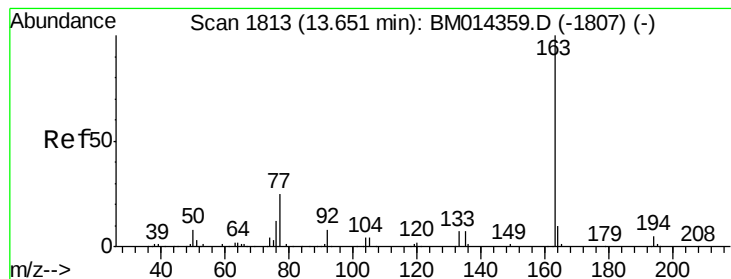
Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:	128	Resp:	128233
Ion Ratio	Lower	Upper	
128	100		
129	12.4	8.8	13.2
127	12.6	10.6	16.0





#44

Dimethylphthalate

Concen: 8.250 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

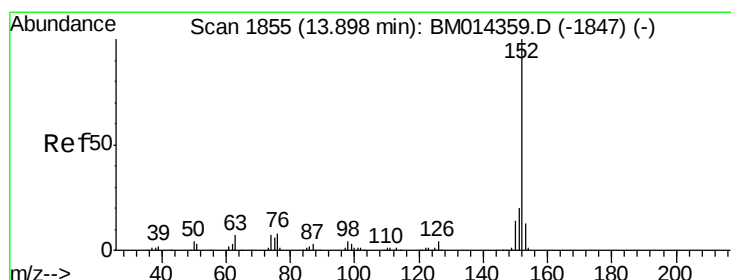
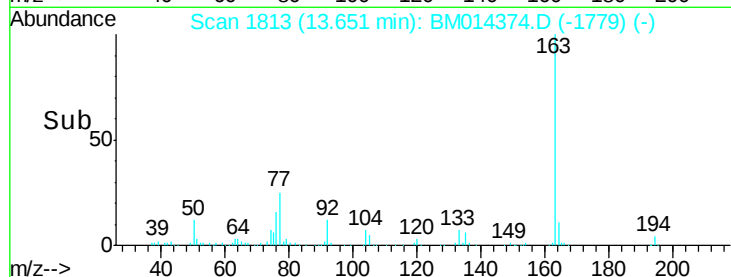
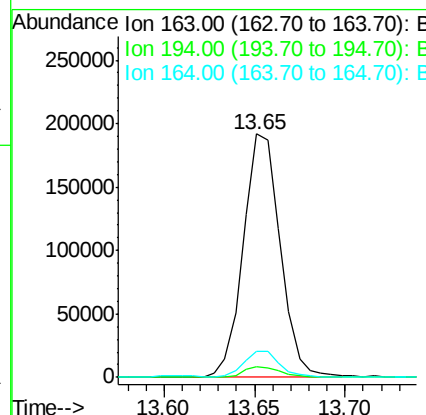
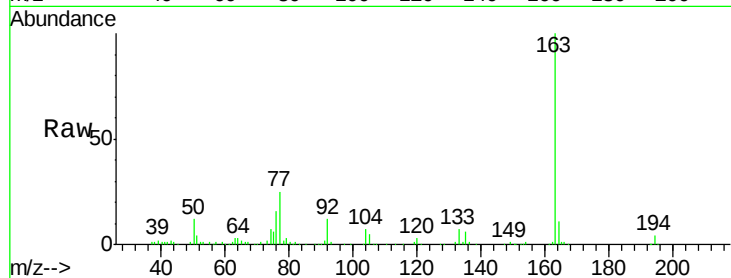
ClientSampled :

BE5X7

Tgt Ion:	163	Resp:	268824
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.5	5.3
164	10.5	8.2	12.4

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#47

Acenaphthylene

Concen: 3.131 ng/ul

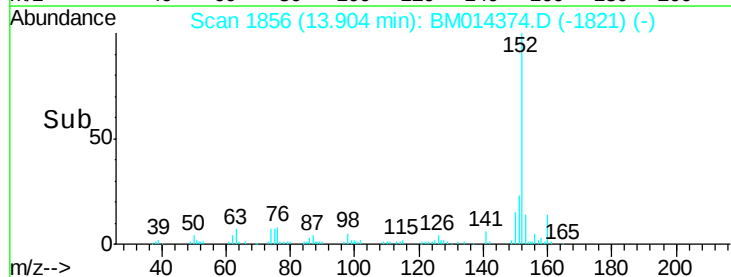
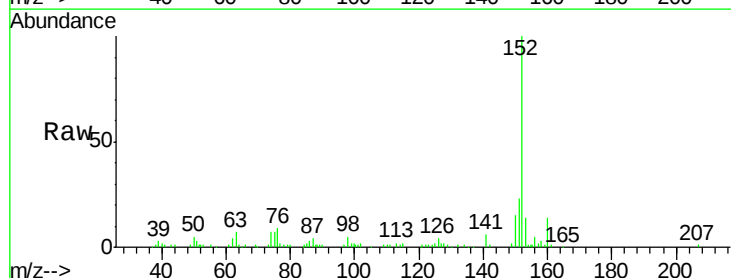
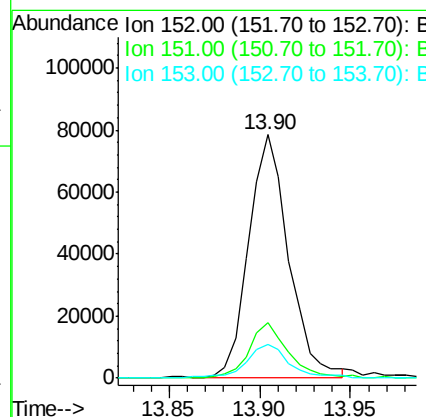
RT: 13.90 min Scan# 1856

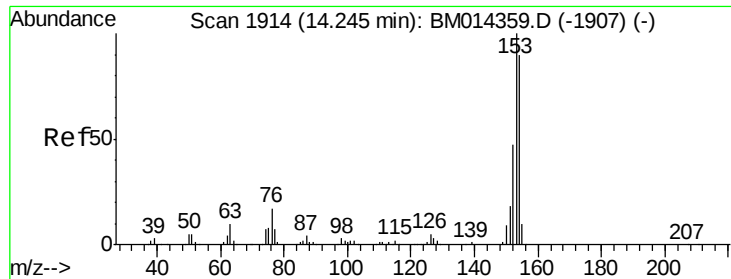
Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:	152	Resp:	120587
Ion Ratio	Lower	Upper	
152	100		
151	22.7	16.3	24.5
153	14.0	10.2	15.4





#49

Acenaphthene

Concen: 2.860 ng/ul

RT: 14.25 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

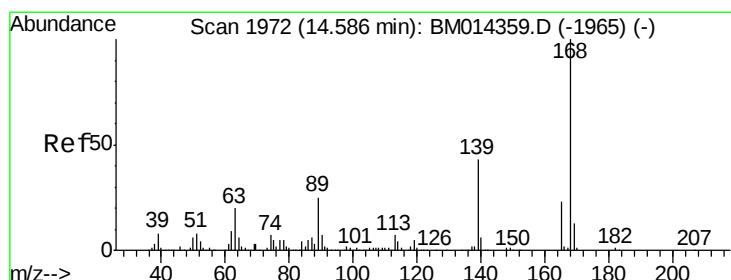
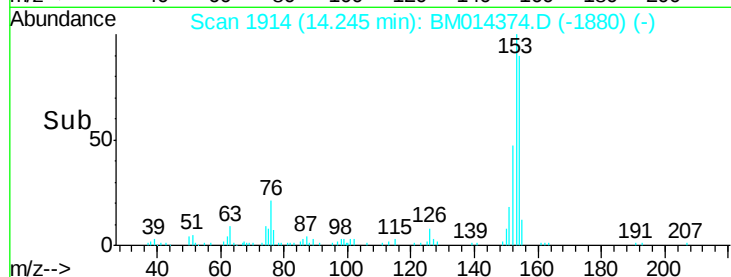
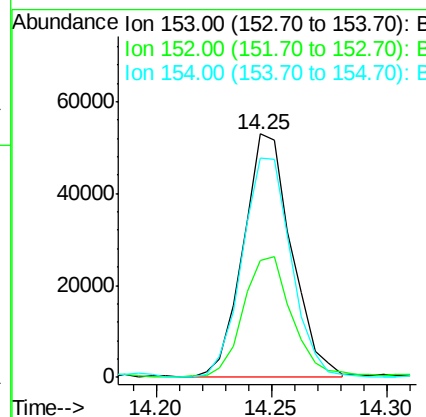
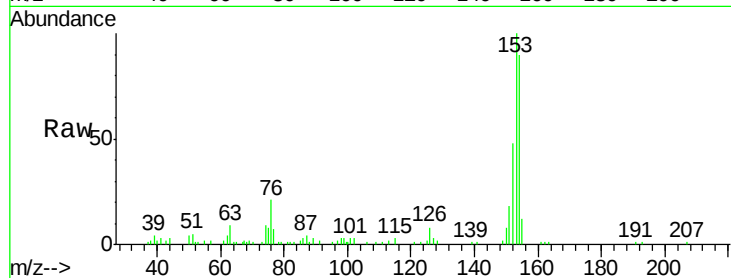
ClientSampleId :

BE5X7

Tgt Ion:	153	Resp:	77577
Ion Ratio	Lower	Upper	
153	100		
152	48.1	37.6	56.4
154	89.9	70.4	105.6

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#53

Dibenzofuran

Concen: 1.509 ng/ul

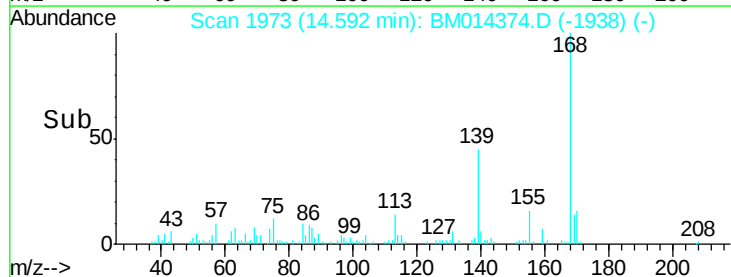
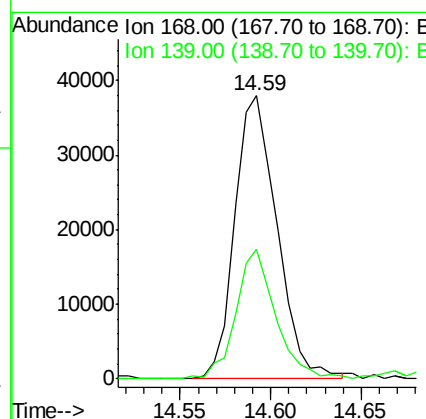
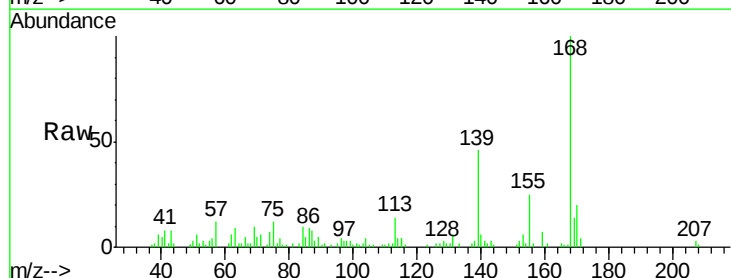
RT: 14.59 min Scan# 1973

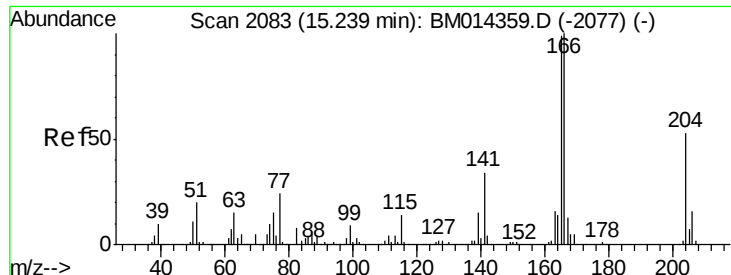
Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:	168	Resp:	61368
Ion Ratio	Lower	Upper	
168	100		
139	45.7	30.8	46.2





#58

Fluorene

Concen: 2.389 ng/ul

RT: 15.25 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

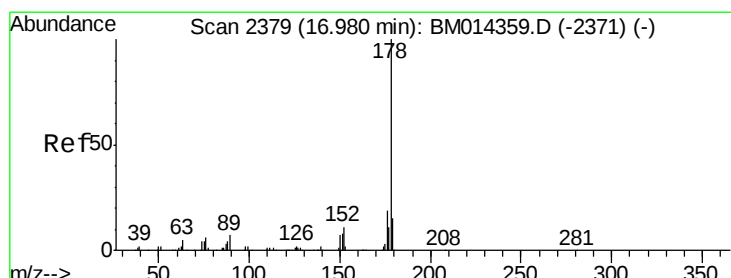
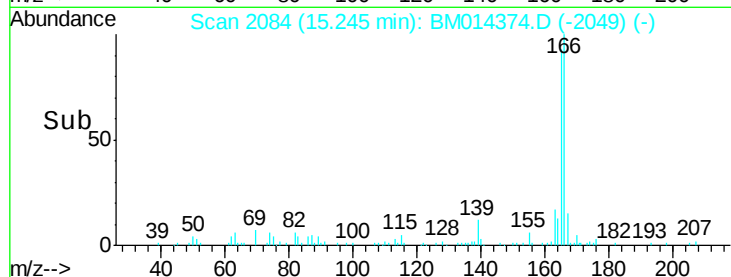
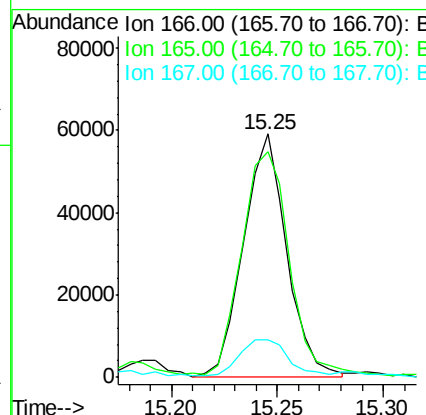
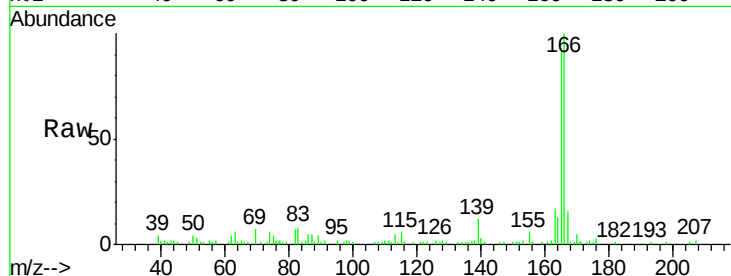
ClientSampleId :

BE5X7

Tgt Ion:	166	Resp:	83871
Ion Ratio	Lower	Upper	
166	100		
165	92.7	77.9	116.9
167	15.7	10.6	16.0

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#69

Phenanthrene

Concen: 40.100 ng/ul

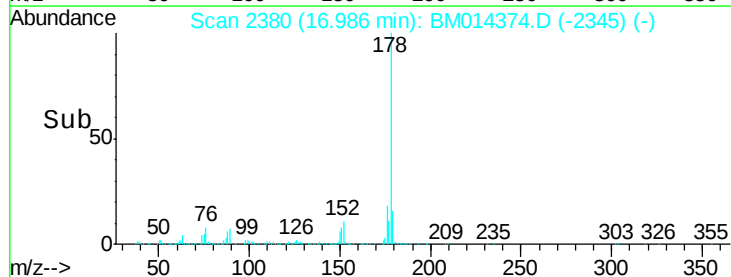
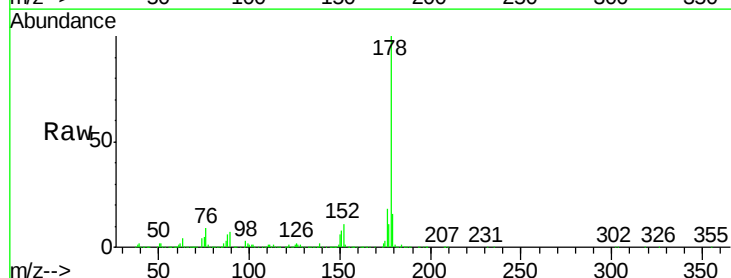
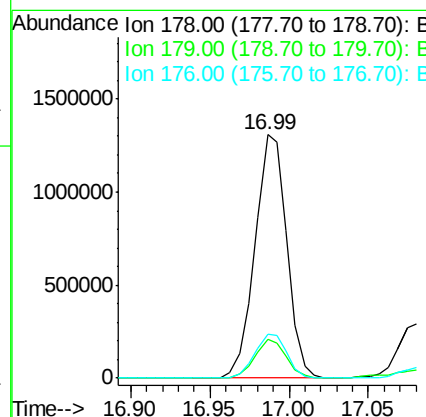
RT: 16.99 min Scan# 2380

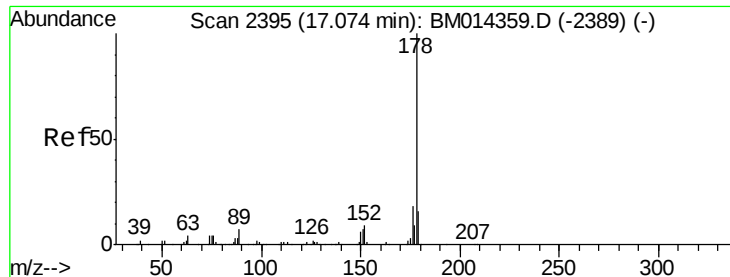
Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:	178	Resp:	1823700
Ion Ratio	Lower	Upper	
178	100		
179	15.8	12.6	19.0
176	18.1	14.9	22.3





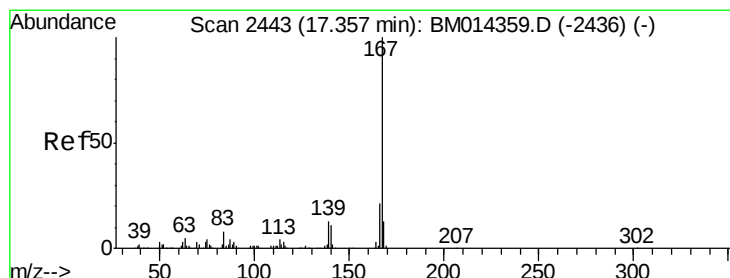
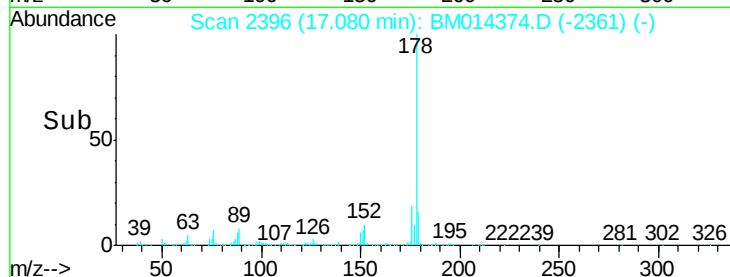
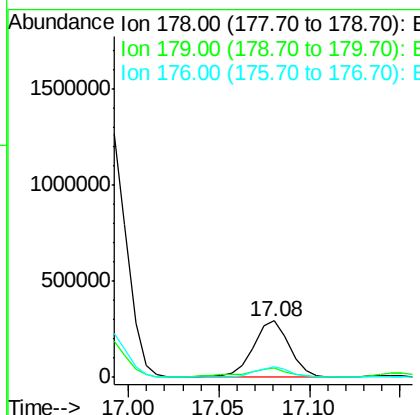
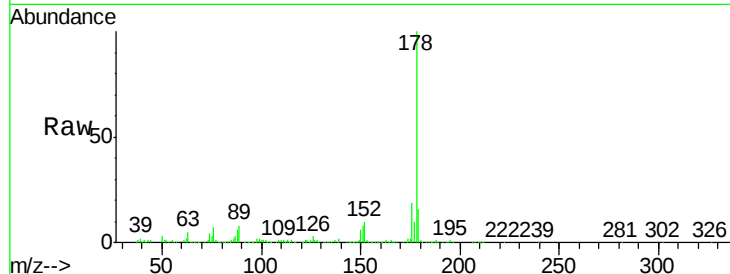
#71
 Anthracene
 Concen: 8.860 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

Instrument :
 BNA_M
 ClientSampleId :
 BE5X7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.9	14.6	21.8

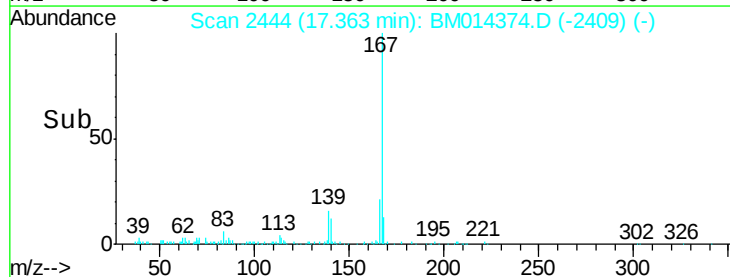
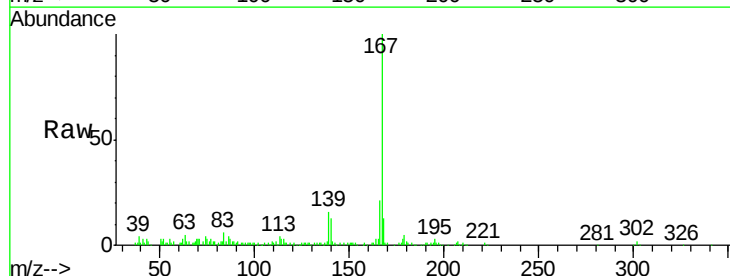
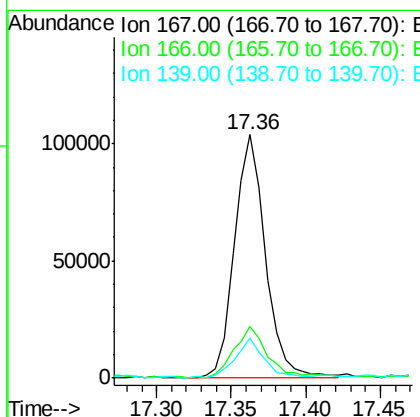
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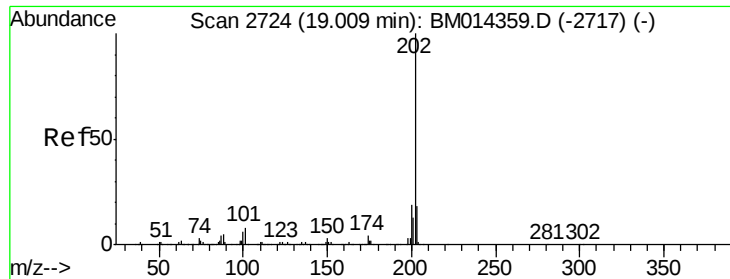
Sohil
 2/27/2018 4:58:50 PM



#72
 Carbazole
 Concen: 3.926 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014374.D
 Acq: 27 Feb 2018 01:47

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	16.4	10.0	15.0#





#74

Fluoranthene

Concen: 52.406 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

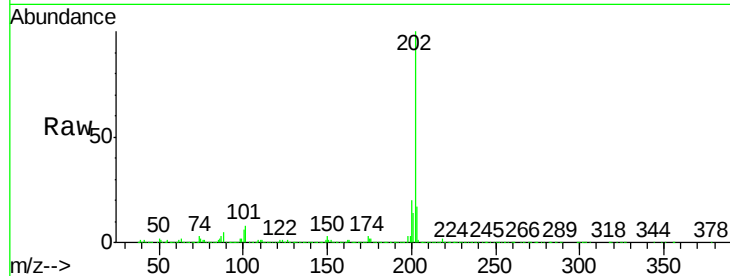
ClientSampled :

BE5X7

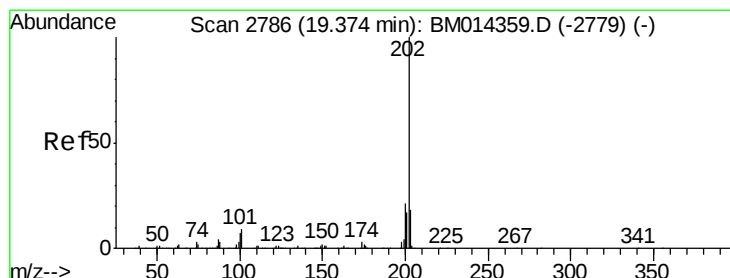
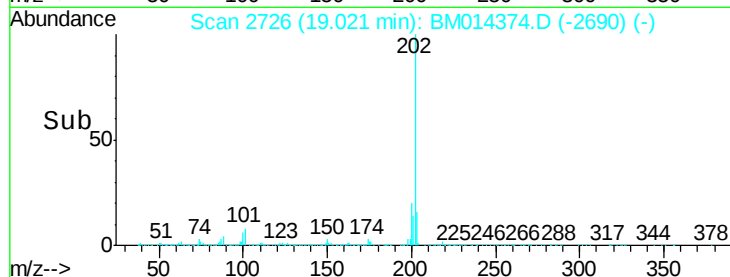
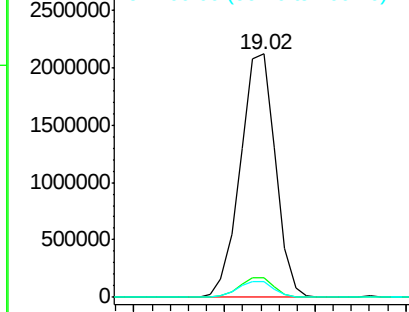
Tgt Ion:	202	Resp:	2847485
Ion Ratio	Lower	Upper	
202	100		
101	8.1	4.6	7.0#
100	6.4	3.4	5.2#

Manual Integrations
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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: 66.243 ng/ul

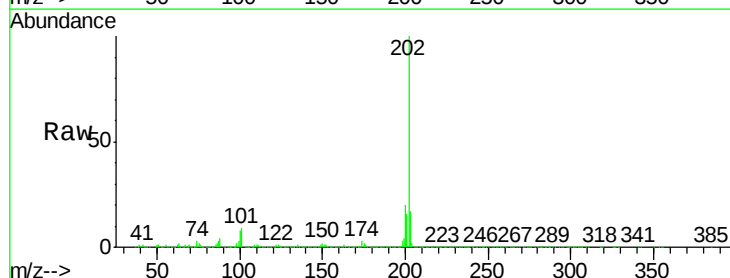
RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

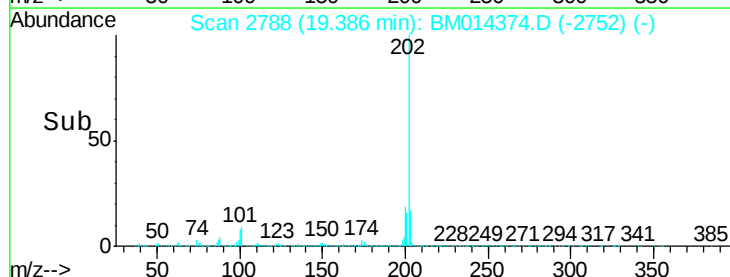
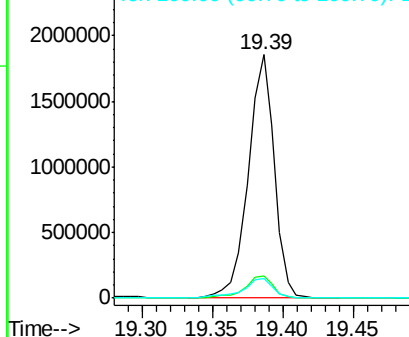
Lab File: BM014374.D

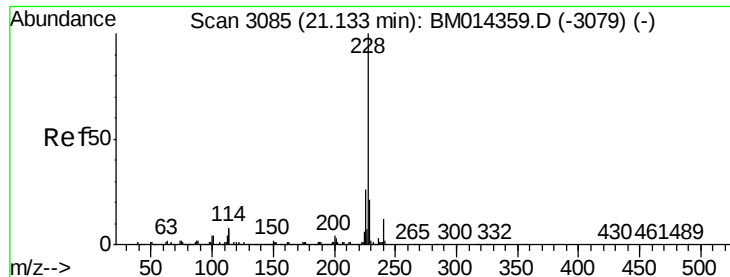
Acq: 27 Feb 2018 01:47

Tgt Ion:	202	Resp:	2390307
Ion Ratio	Lower	Upper	
202	100		
101	9.2	5.1	7.7#
100	8.2	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: 32.075 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

ClientSampleId :

BE5X7

Tgt Ion:228 Resp: 1086905

Ion Ratio Lower Upper

228 100

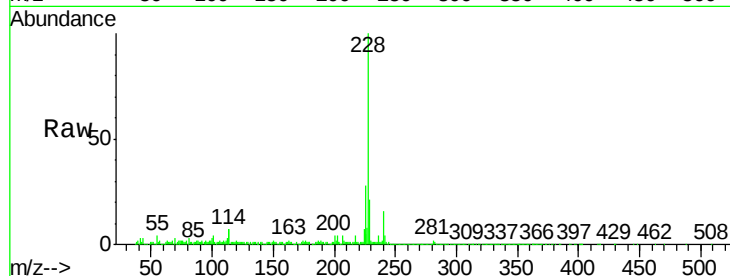
229 20.8 15.4 23.0

226 27.7 21.4 32.0

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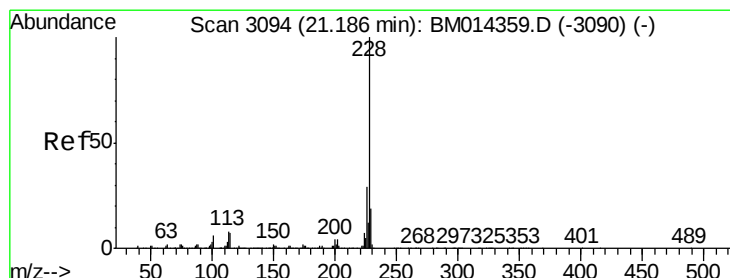
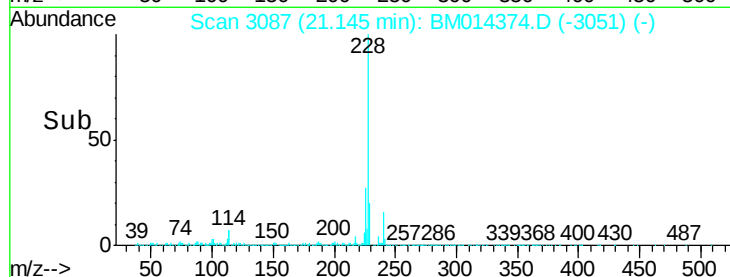
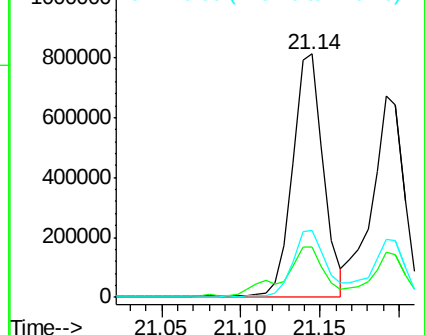
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 29.215 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:228 Resp: 923557

Ion Ratio Lower Upper

228 100

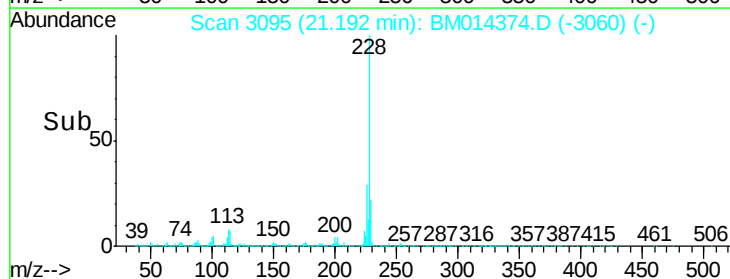
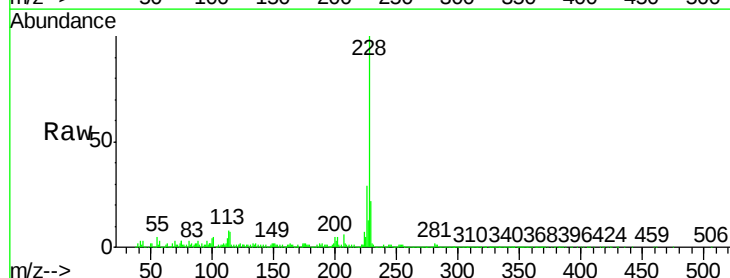
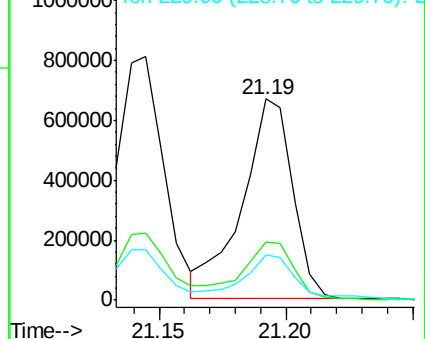
226 28.7 23.4 35.2

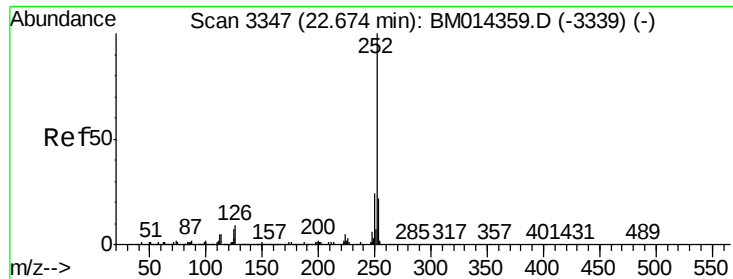
229 22.5 15.5 23.3

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





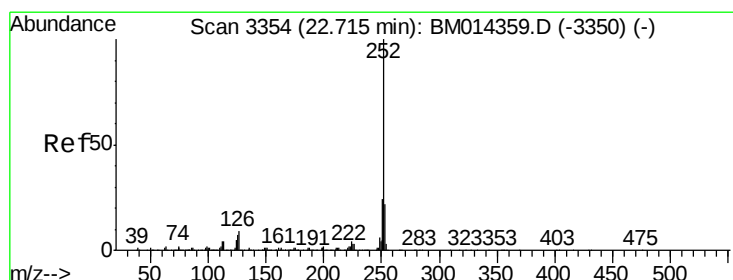
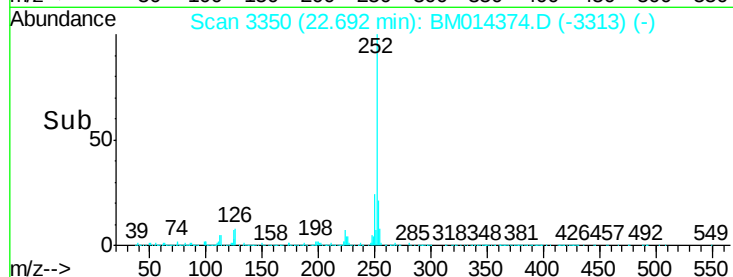
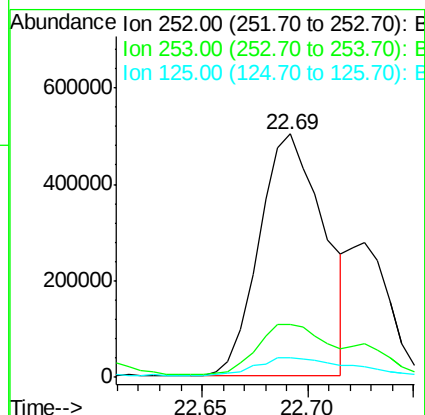
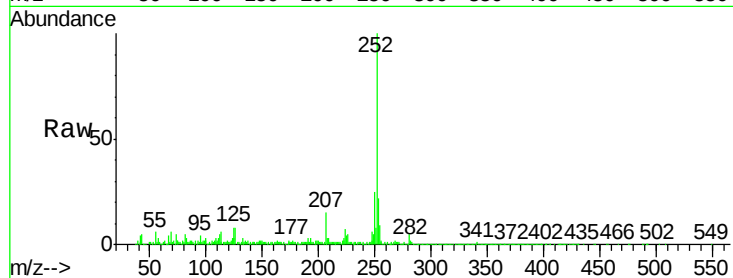
#85
Benzo(b)fluoranthene
Concen: 32.941 ng/ul
RT: 22.69 min Scan# 3350
Delta R.T. 0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Instrument :
BNA_M
ClientSampleId :
BE5X7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	8.0	3.6	5.4

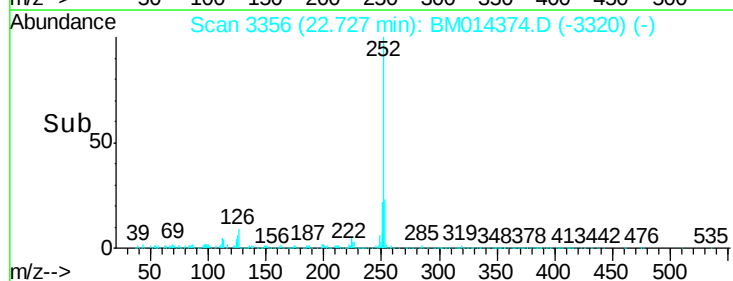
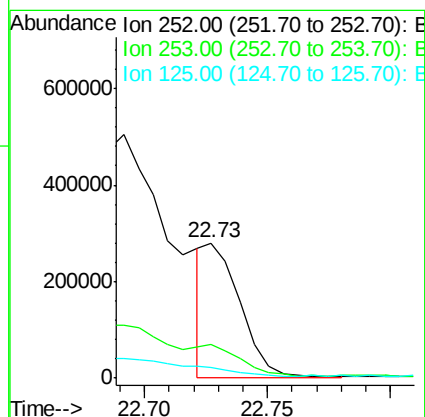
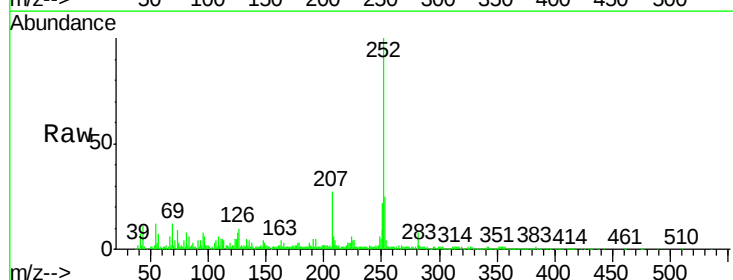
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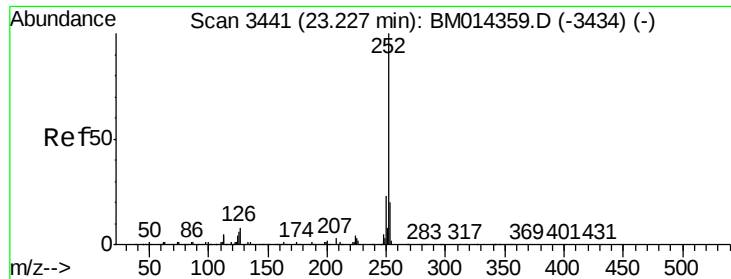
Sohil
2/27/2018 4:58:50 PM



#86
Benzo(k)fluoranthene
Concen: 9.001 ng/ul m
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	8.0	3.4	5.2





#88

Benzo(a)pyrene

Concen: 27.003 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. 0.02 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Instrument :

BNA_M

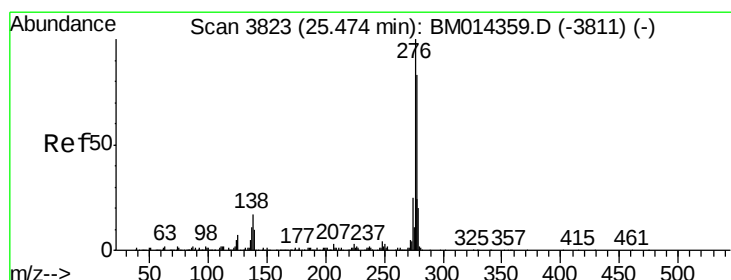
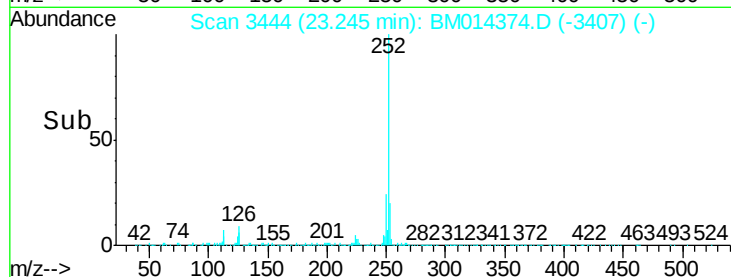
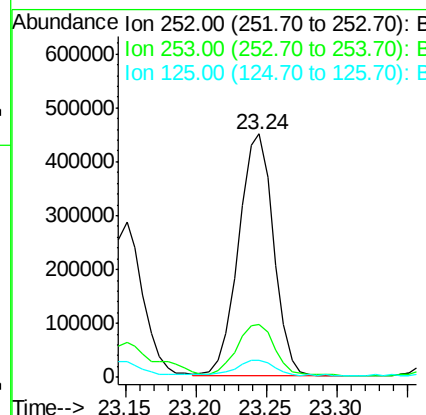
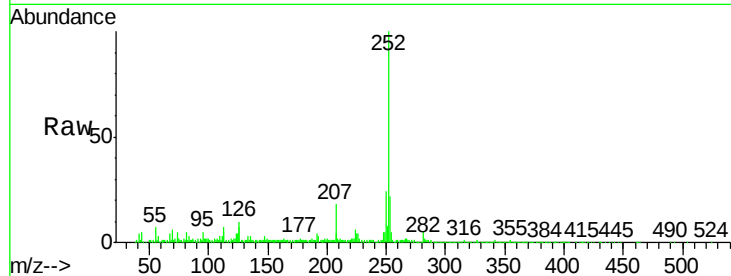
ClientSampleId :

BE5X7

Tgt Ion:	252	Resp:	781701
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.2	27.2
125	6.8	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 17.284 ng/ul

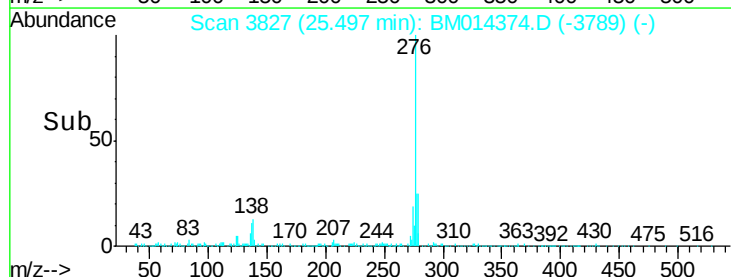
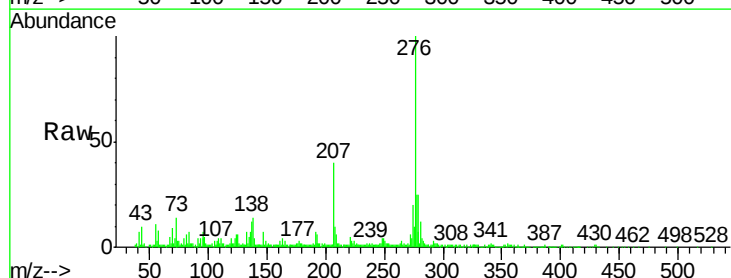
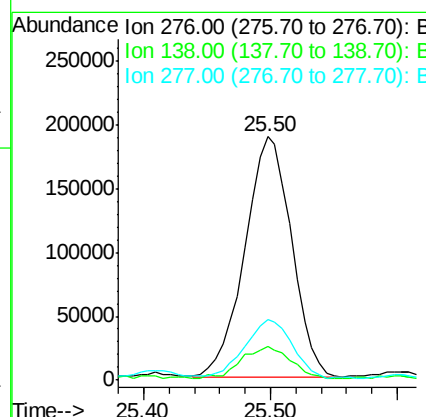
RT: 25.50 min Scan# 3827

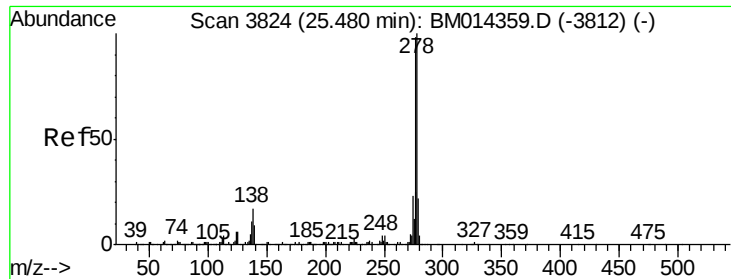
Delta R.T. 0.02 min

Lab File: BM014374.D

Acq: 27 Feb 2018 01:47

Tgt Ion:	276	Resp:	485542
Ion Ratio	Lower	Upper	
276	100		
138	13.6	9.3	13.9
277	25.0	19.9	29.9





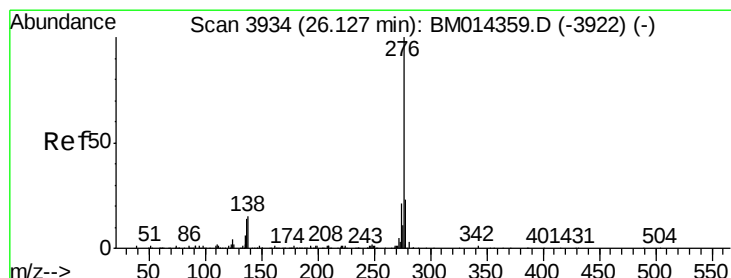
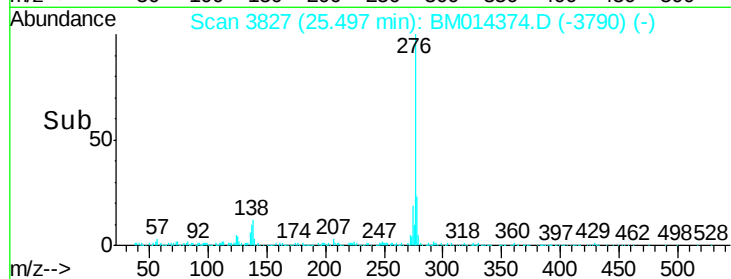
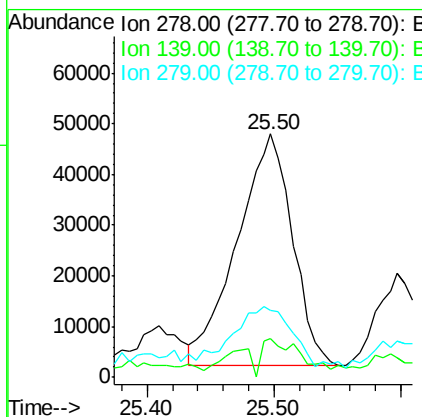
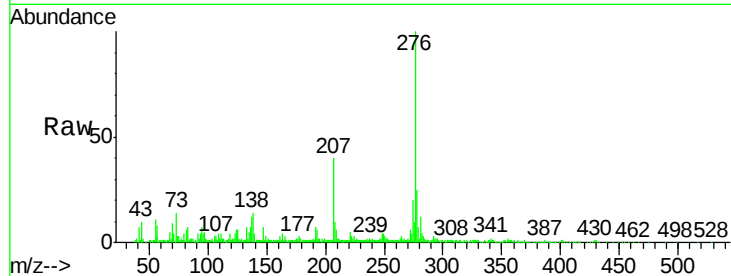
#90
Dibenzo(a,h)anthracene
Concen: 5.923 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. 0.02 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Instrument :
BNA_M
ClientSampleId :
BE5X7

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	5.8	8.8#
279	27.7	18.6	27.8

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2/27/2018 4:58:50 PM



#91
Benzo(g,h,i)perylene
Concen: 15.878 ng/ul
RT: 26.16 min Scan# 3939
Delta R.T. 0.03 min
Lab File: BM014374.D
Acq: 27 Feb 2018 01:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	8.5	12.7#
277	23.8	18.6	28.0

