

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014371.D
 Acq On : 26 Feb 2018 23:59
 Operator : SJ/JU
 Sample : J1631-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE609

Manual Integrations
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 2/27/2018 4:58:45 PM

Quant Time: Feb 27 06:33:46 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	168071	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	751413	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	420451	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	775454	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	534957	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	502318	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.11	96	10560m	2.69	ng/uL	0.00
5) Phenol-d5	6.73	99	269847	19.00	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	166700	19.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	230138	21.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	219811	17.68	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	123301	22.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	133774	23.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	267394	22.46	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	187882	16.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	890425	25.64	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1100983	25.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	83697m	17.46	ng/ul	0.02
57) Fluorene-d10	15.19	176	726033	23.34	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	16563	3.56	ng/ul	0.02
70) Anthracene-d10	17.05	188	1002031	26.78	ng/ul	0.00
76) Pyrene-d10	19.36	212	853766	30.94	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	636254	26.03	ng/ul	0.02

Target Compounds

					Qvalue	
4) Benzaldehyde	6.70	77	5838	1.008	ng/ul#	80
6) Phenol	6.75	94	42413	2.845	ng/ul	96
14) Acetophenone	8.36	105	34189	1.594	ng/ul	87
28) Naphthalene	10.35	128	114282	2.961	ng/ul	99
30) 4-Chloroaniline	10.44	127	25543	2.136	ng/ul	89
34) 2-Methylnaphthalene	11.97	142	42152	1.435	ng/ul	91
44) Dimethylphthalate	13.66	163	386555	11.290	ng/ul#	98
47) Acenaphthylene	13.90	152	149706	3.699	ng/ul	97
49) Acenaphthene	14.25	153	63554	2.230	ng/ul	97
53) Dibenzofuran	14.59	168	78686	1.842	ng/ul	91
58) Fluorene	15.25	166	92410	2.505	ng/ul	95
69) Phenanthrene	16.99	178	2000452	44.774	ng/ul	99
71) Anthracene	17.08	178	342315m	7.618	ng/ul	
72) Carbazole	17.36	167	159059	4.210	ng/ul#	93
74) Fluoranthene	19.02	202	3043251	57.012	ng/ul#	93
77) Pyrene	19.39	202	2724283	76.629	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	1165844	34.919	ng/ul	95
82) Chrysene	21.20	228	1178090	37.825	ng/ul	97
85) Benzo(b)fluoranthene	22.70	252	1464865	43.553	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	456144m	14.264	ng/ul	
88) Benzo(a)pyrene	23.25	252	1039924	34.600	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	700738	24.027	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	189575	7.823	ng/ul#	85

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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)
91) Benzo(g,h,i)perylene	26.17	276	520804	22.043	ng/ul#	97

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

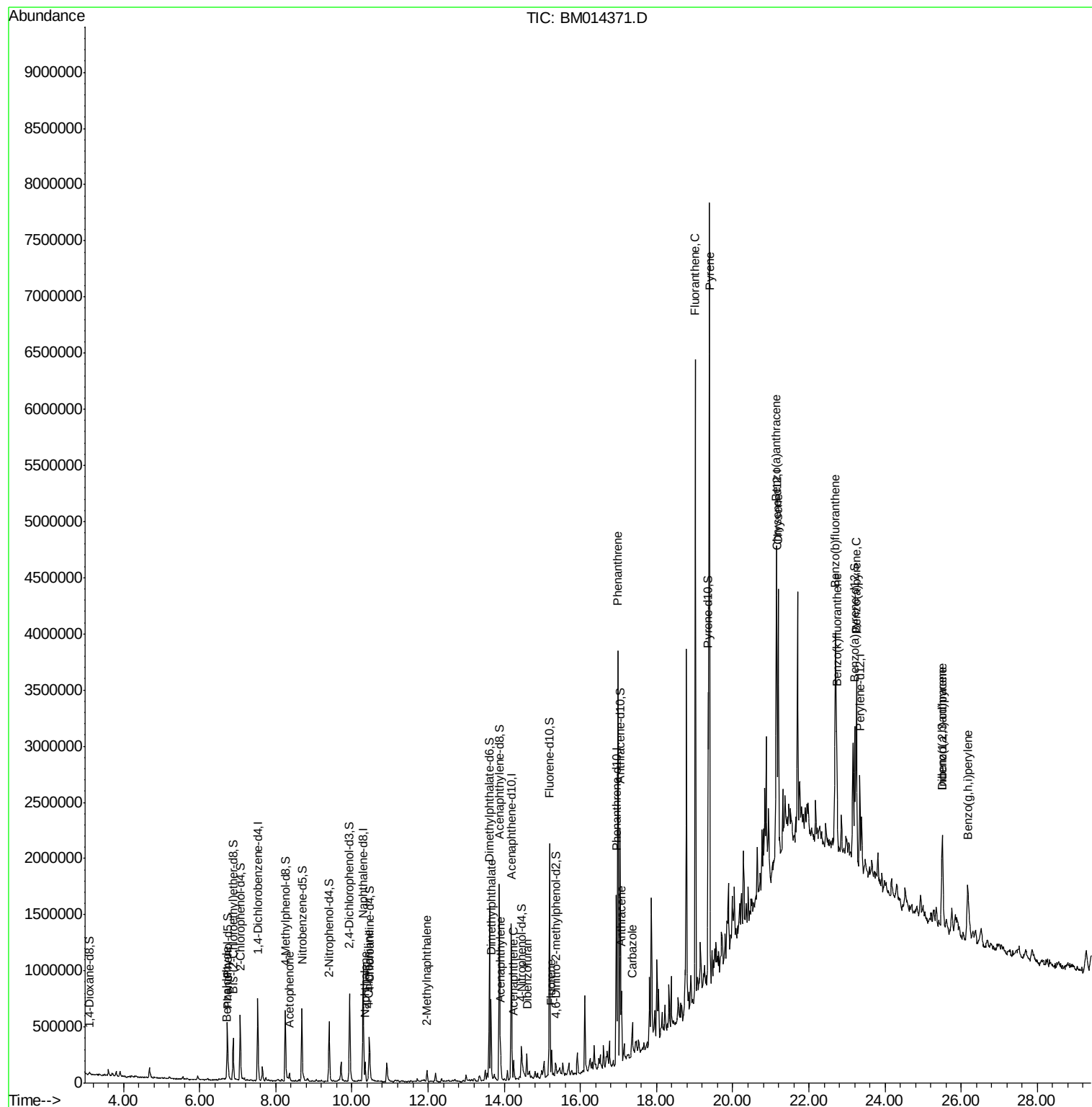
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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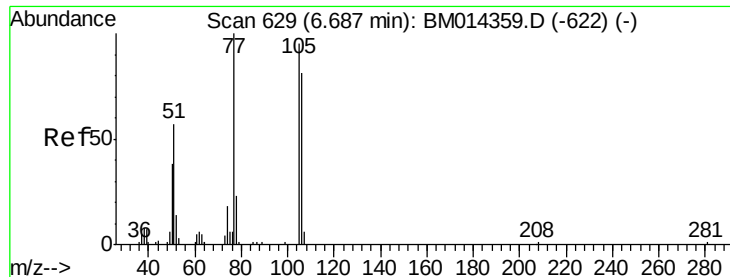
Instrument :
BNA_M
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BE609

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Quant Title : SVOA CALIBRATION
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#4

Benzaldehyde

Concen: 1.008 ng/ul

RT: 6.70 min Scan# 632

Delta R.T. 0.02 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

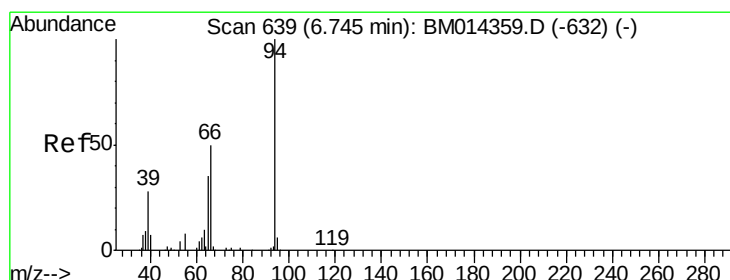
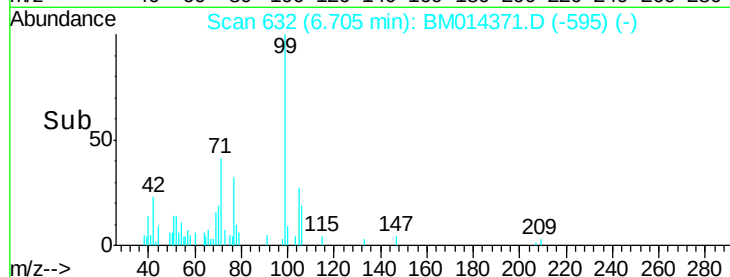
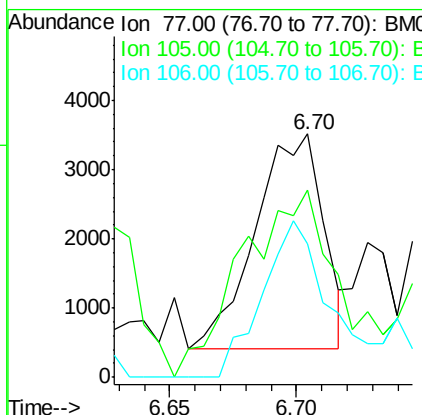
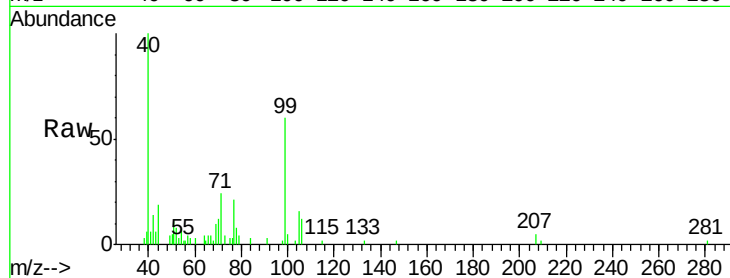
ClientSampled :

BE609

Tgt Ion	Ratio	Lower	Upper
77	100		
105	77.0	66.1	99.1
106	55.1	67.8	101.6

Manual Integrations
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#6

Phenol

Concen: 2.845 ng/ul

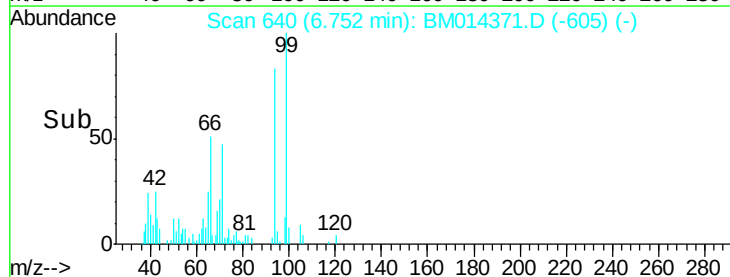
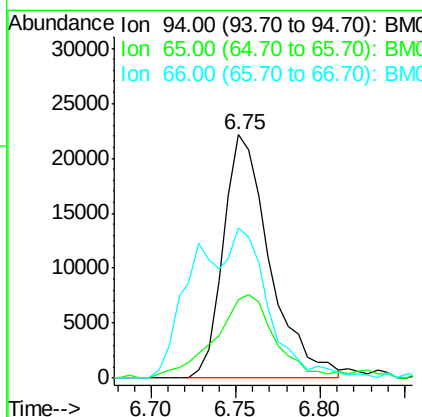
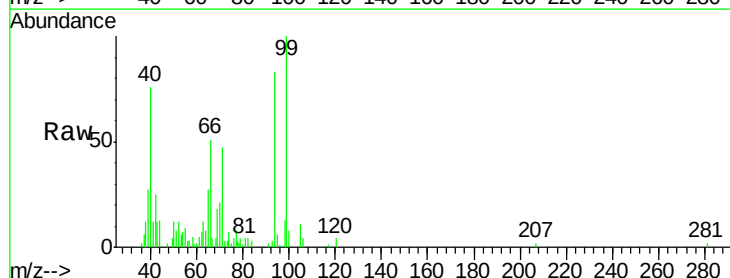
RT: 6.75 min Scan# 640

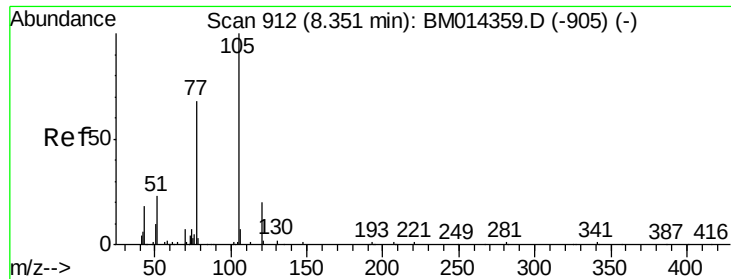
Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
94	100		
65	32.5	28.2	42.4
66	61.7	47.2	70.8





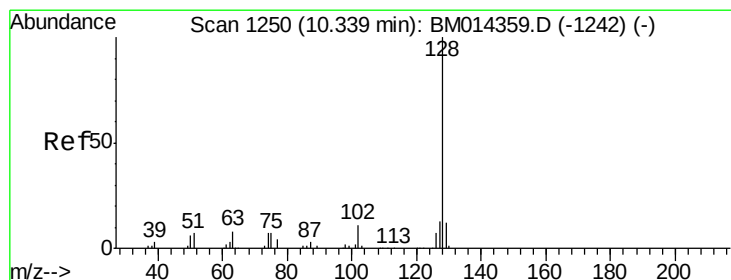
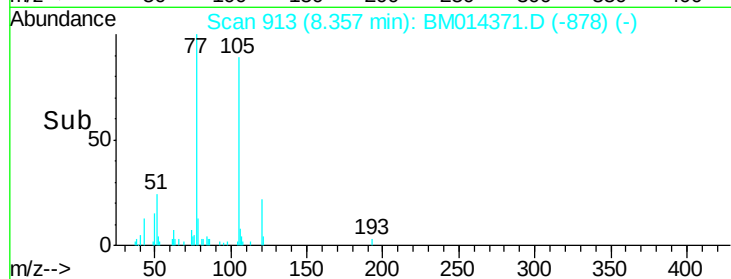
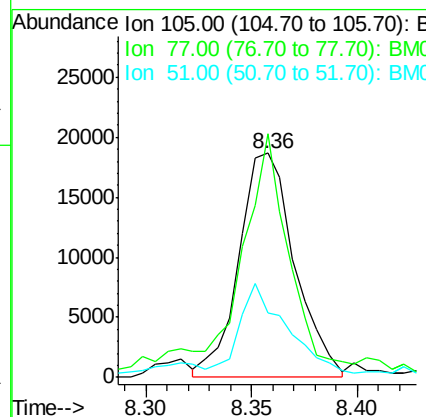
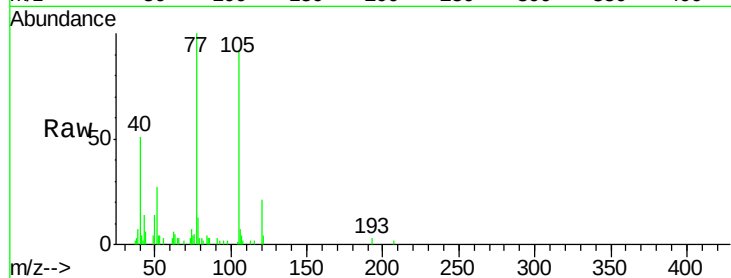
#14
Acetophenone
Concen: 1.594 ng/ul
RT: 8.36 min Scan# 913
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampled :
BE609

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	34189		
77	108.7	74.2	111.4	
51	29.0	23.4	35.2	

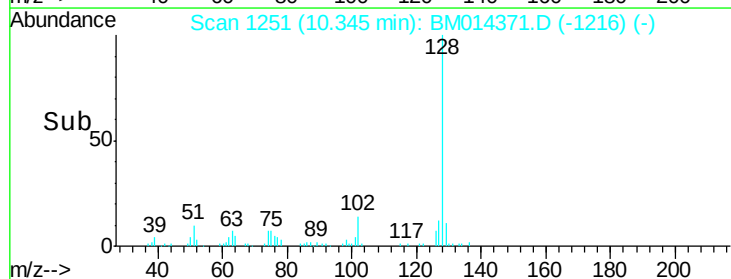
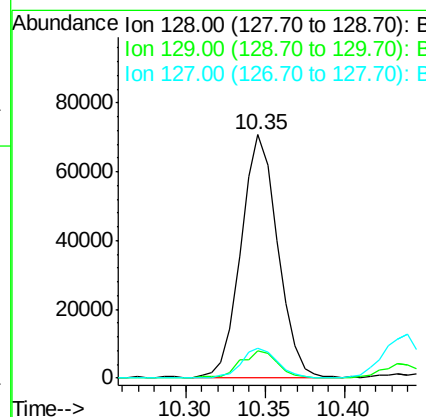
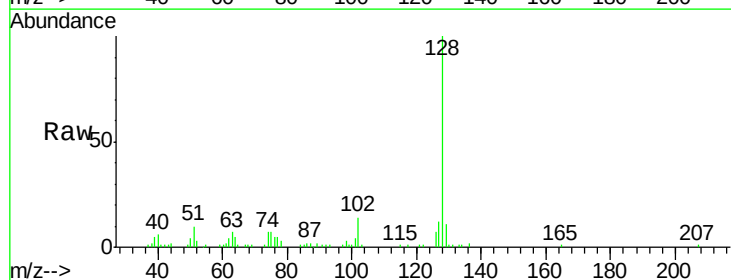
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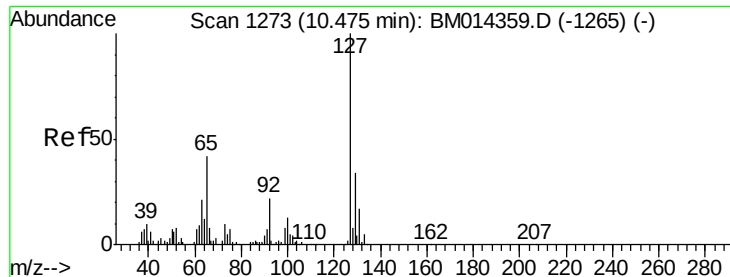
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#28
Naphthalene
Concen: 2.961 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	114282		
129	11.0	8.8	13.2	
127	12.3	10.6	16.0	





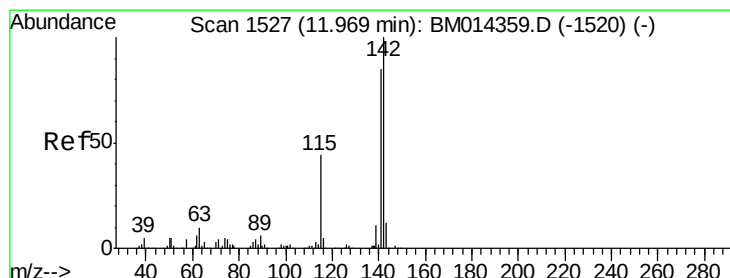
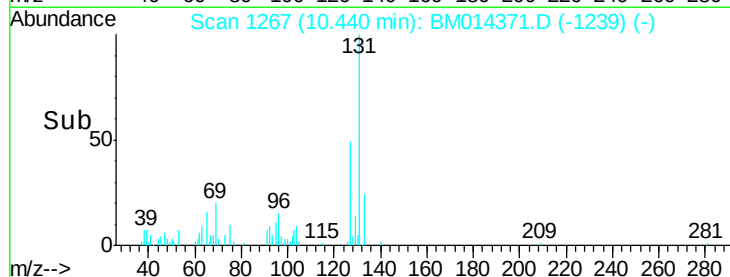
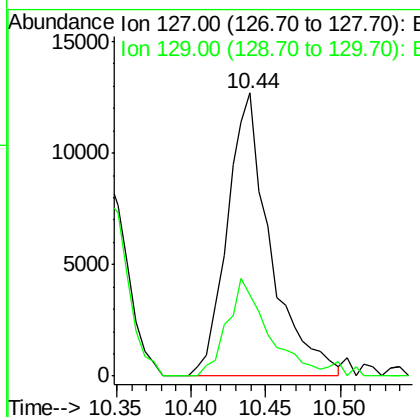
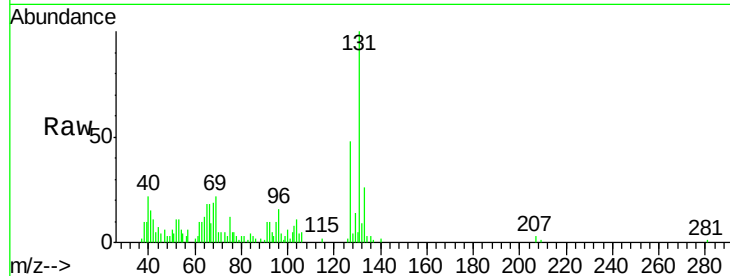
#30
4-Chloroaniline
Concen: 2.136 ng/ul
RT: 10.44 min Scan# 1267
Delta R.T. -0.04 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampled :
BE609

Tgt Ion	Ratio	Lower	Upper
127	100		
129	28.8	28.4	42.6

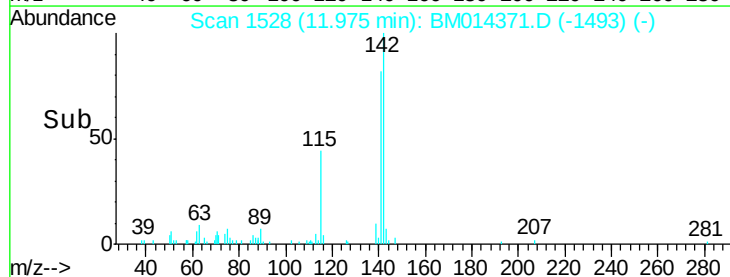
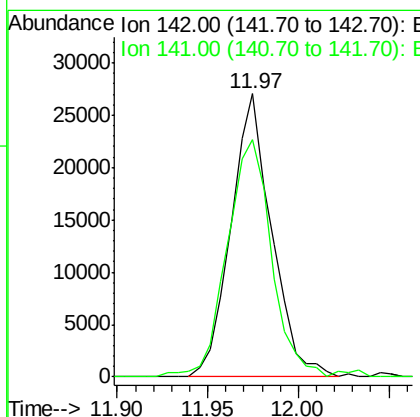
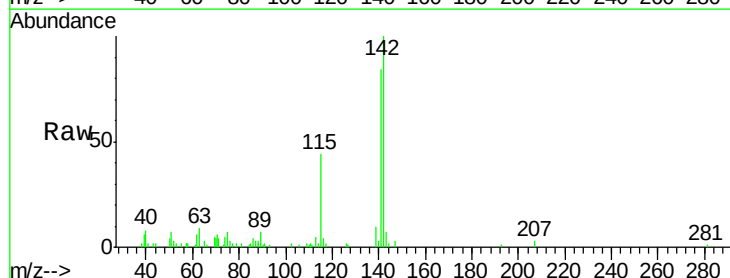
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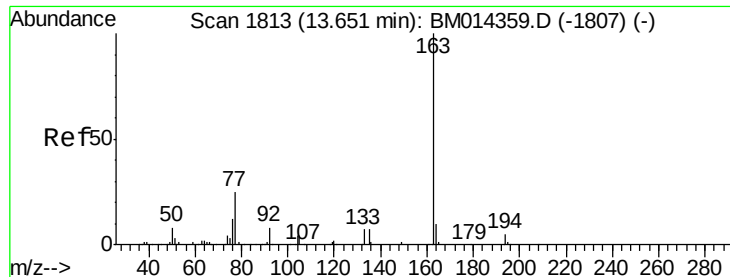
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#34
2-Methylnaphthalene
Concen: 1.435 ng/ul
RT: 11.97 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	74.1	111.1





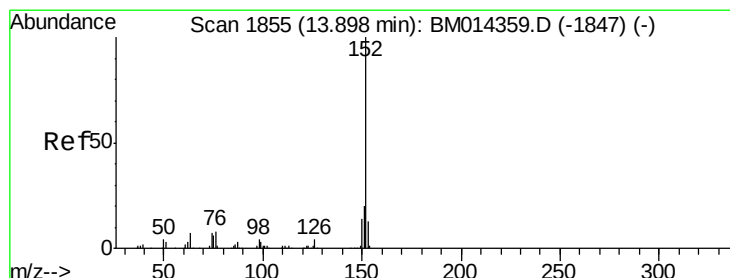
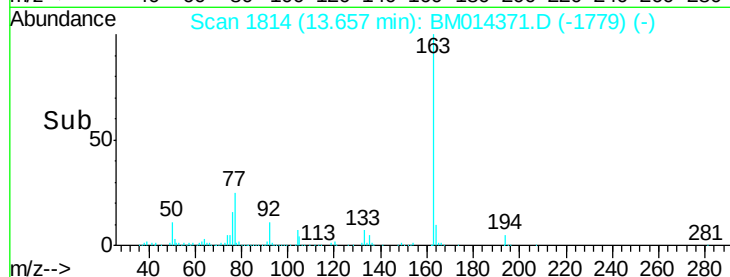
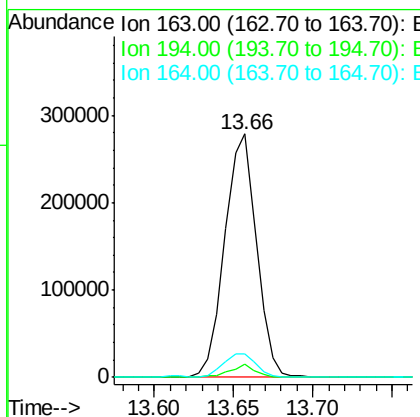
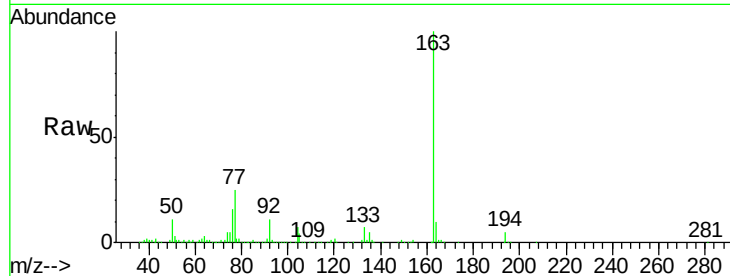
#44
Dimethylphthalate
Concen: 11.290 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampleId :
BE609

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	5.3	3.5	5.3#
164	9.8	8.2	12.4

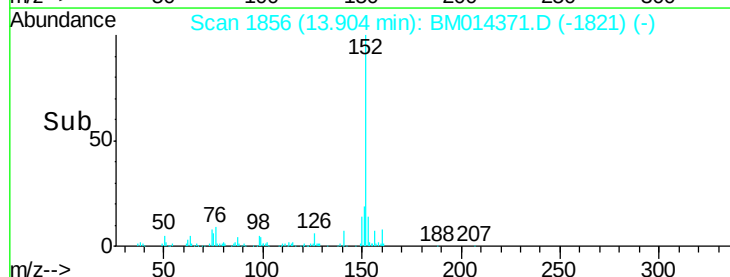
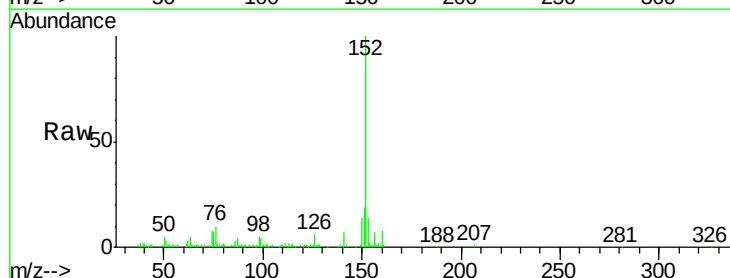
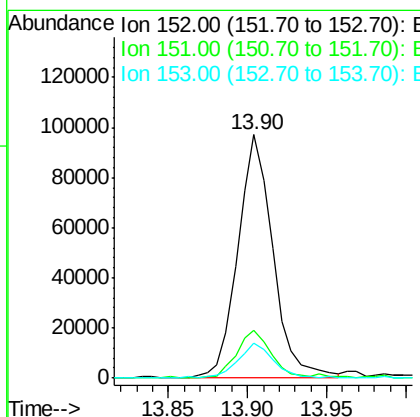
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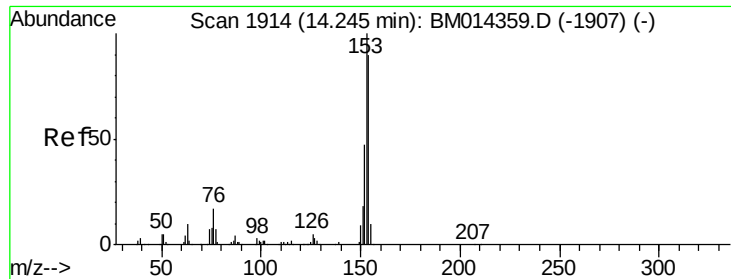
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#47
Acenaphthylene
Concen: 3.699 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.4	16.3	24.5
153	14.1	10.2	15.4





#49

Acenaphthene

Concen: 2.230 ng/ul

RT: 14.25 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

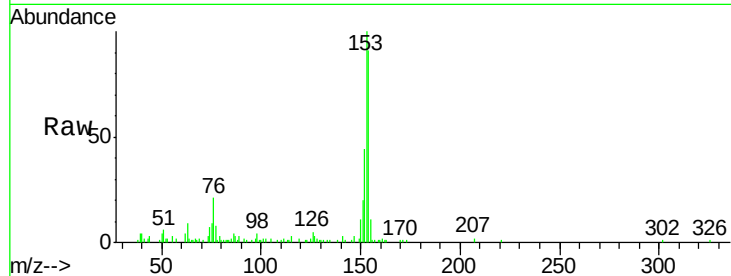
ClientSampled :

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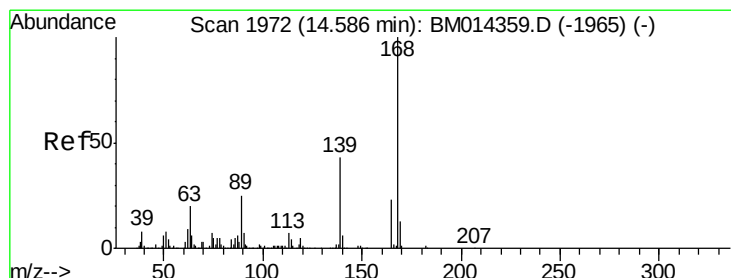
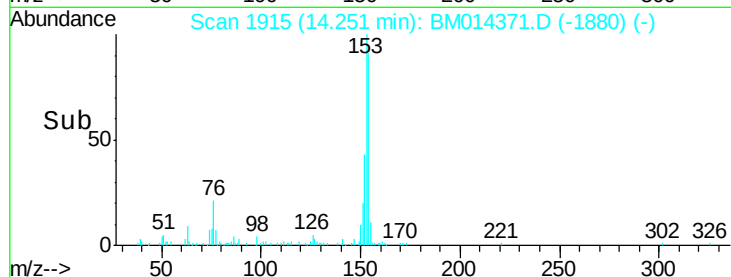
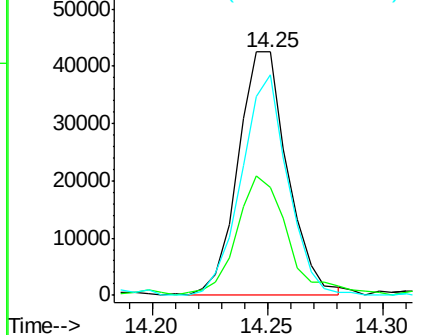
Tgt Ion:	153	Resp:	63554
Ion Ratio	Lower	Upper	
153	100		
152	44.4	37.6	56.4
154	90.7	70.4	105.6

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.842 ng/ul

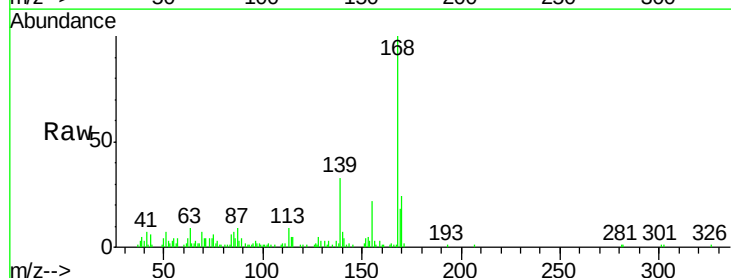
RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

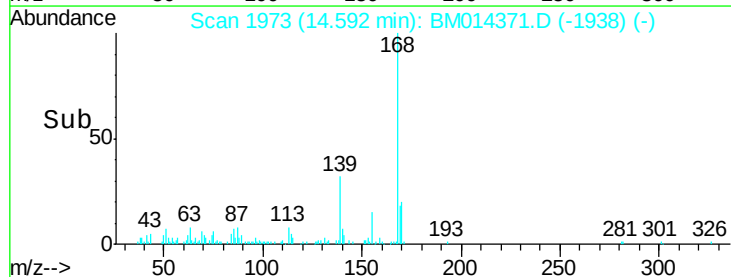
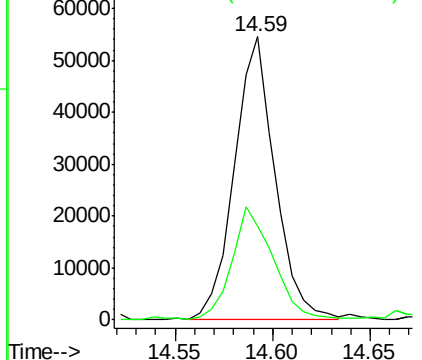
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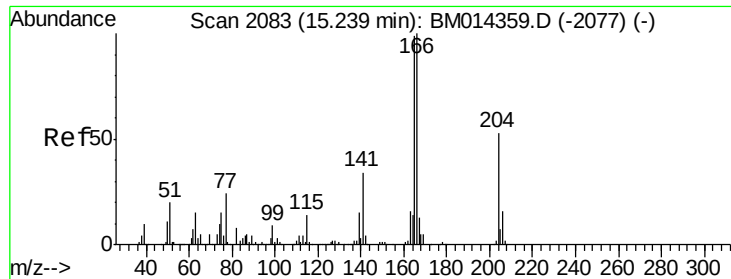
Acq: 26 Feb 2018 23:59

Tgt Ion:	168	Resp:	78686
Ion Ratio	Lower	Upper	
168	100		
139	33.2	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





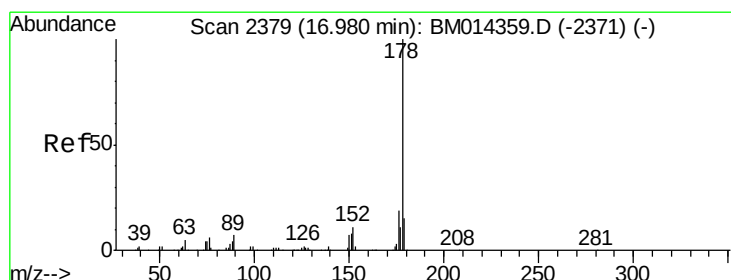
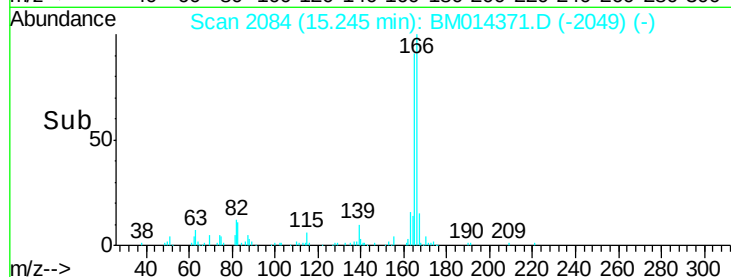
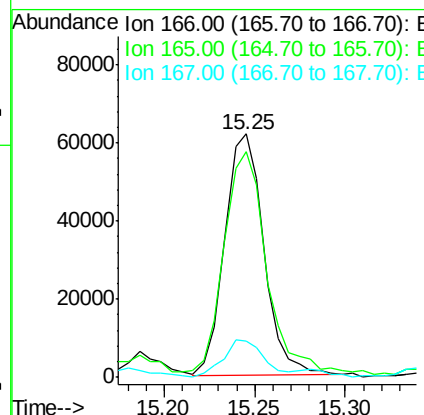
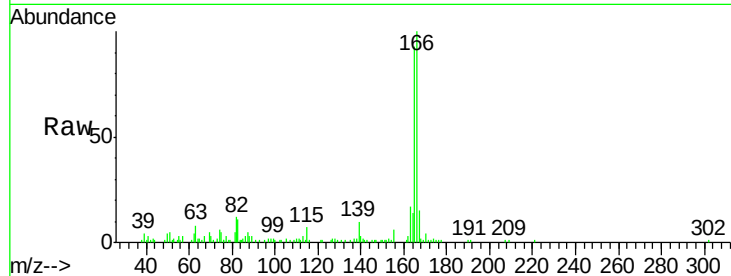
#58
 Fluorene
 Concen: 2.505 ng/ul
 RT: 15.25 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Instrument :
 BNA_M
 ClientSampleId :
 BE609

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.9	77.9	116.9
167	15.1	10.6	16.0

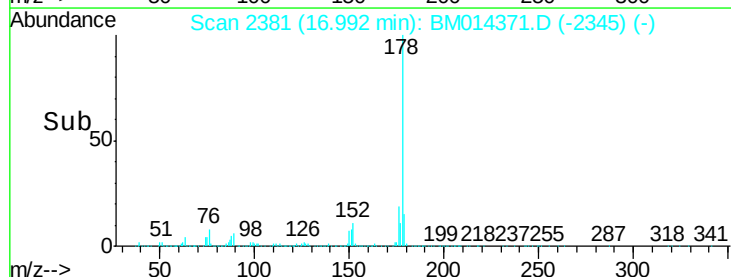
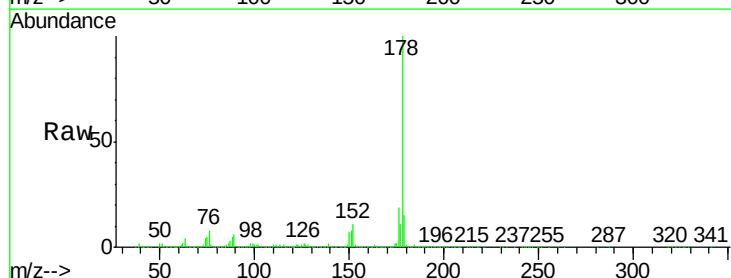
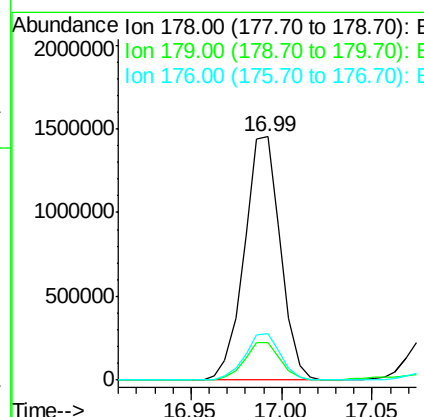
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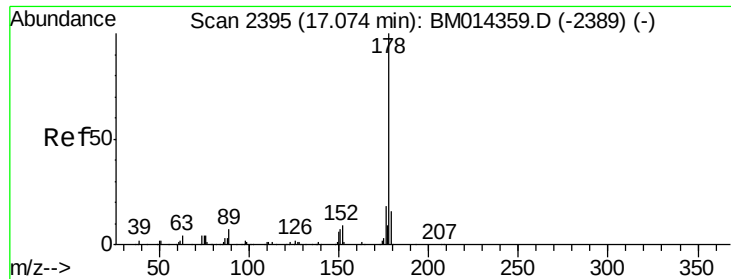
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#69
 Phenanthrene
 Concen: 44.774 ng/ul
 RT: 16.99 min Scan# 2381
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.1	14.9	22.3





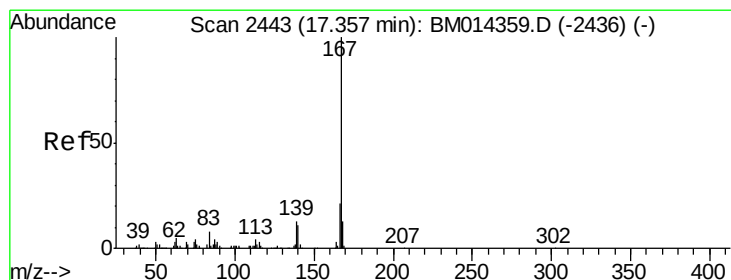
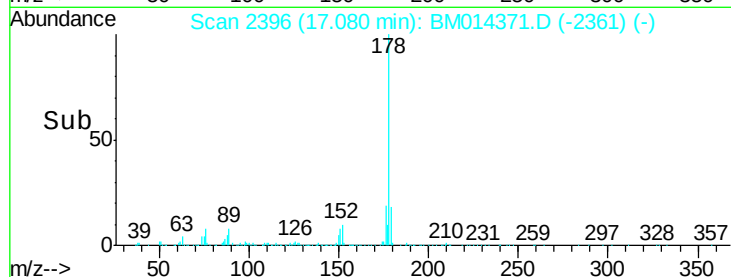
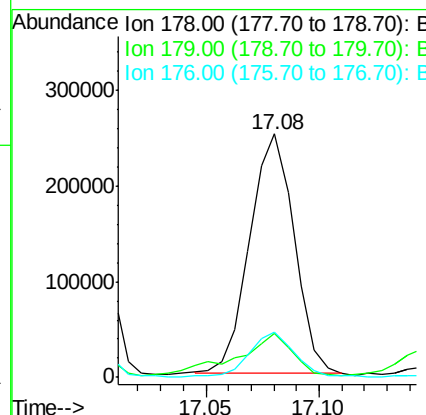
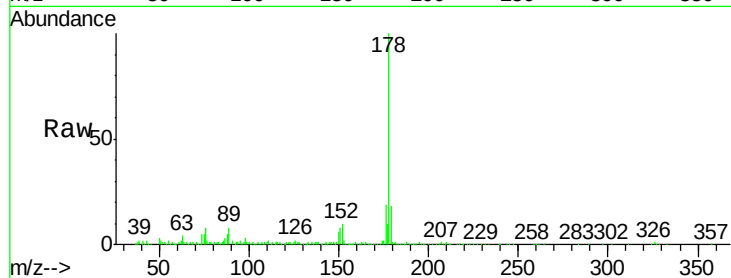
#71
 Anthracene
 Concen: 7.618 ng/ul m
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Instrument :
 BNA_M
 ClientSampleId :
 BE609

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.9	11.7	17.5#
176	18.6	14.6	21.8

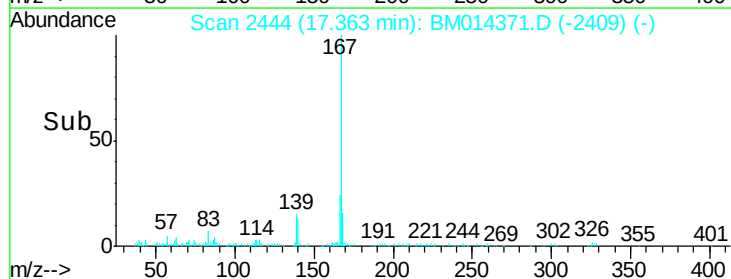
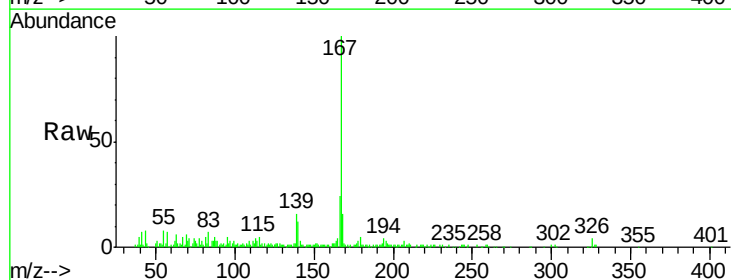
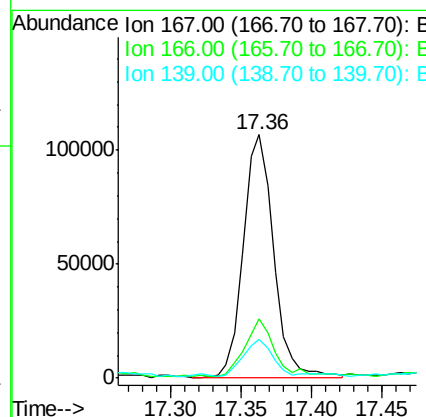
Manual Integrations
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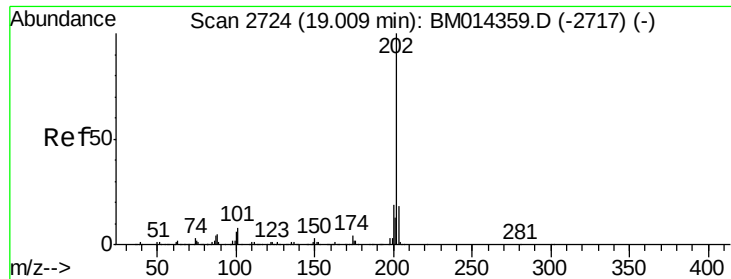
Sohil
 2/27/2018 4:58:45 PM



#72
 Carbazole
 Concen: 4.210 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014371.D
 Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.1	25.7
139	16.1	10.0	15.0#





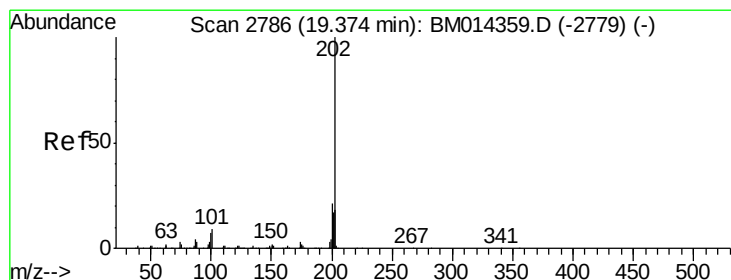
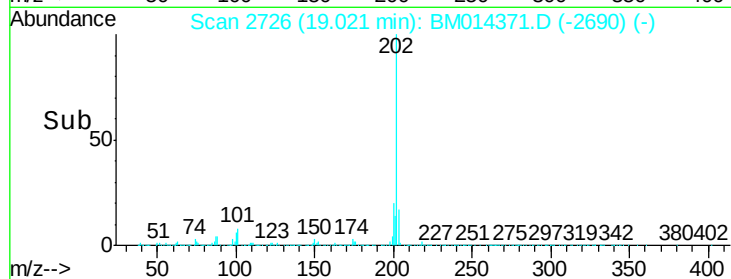
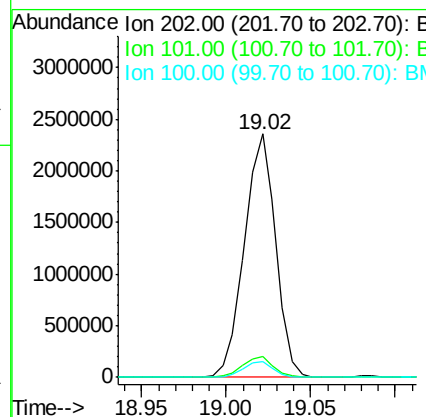
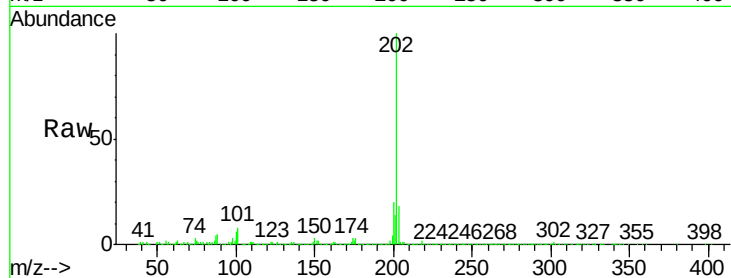
#74
Fluoranthene
Concen: 57.012 ng/ul
RT: 19.02 min Scan# 2726
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampleId :
BE609

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3043251		
101	8.4		4.6	7.0#
100	6.3		3.4	5.2#

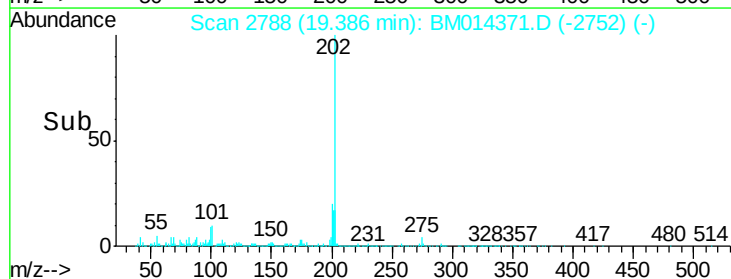
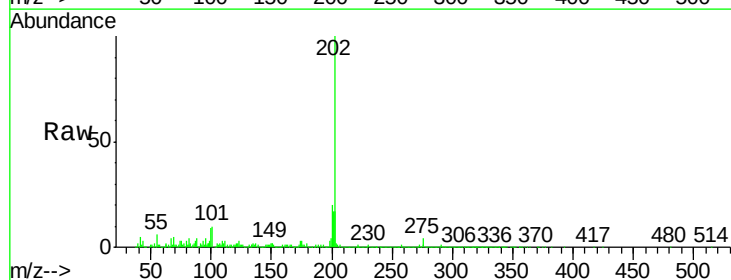
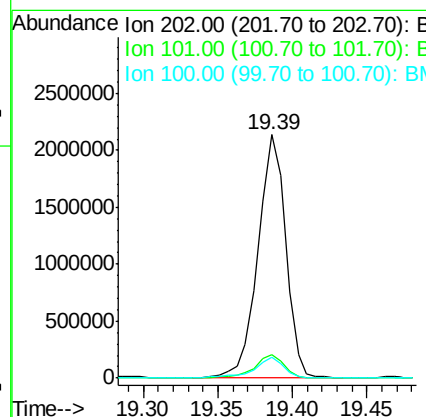
Manual Integrations
APPROVED

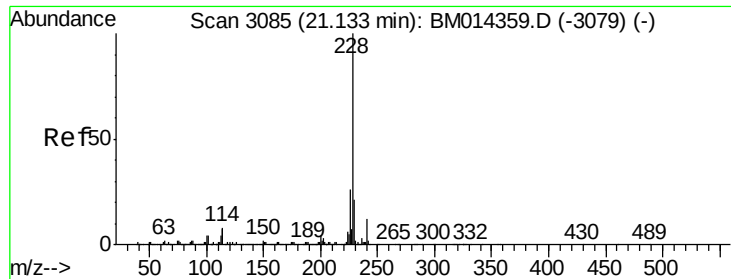
Sohil
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#77
Pyrene
Concen: 76.629 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2724283		
101	9.8		5.1	7.7#
100	8.6		4.9	7.3#





#80

Benzo(a)anthracene

Concen: 34.919 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

BE609

Tgt Ion:228 Resp: 1165844

Ion Ratio Lower Upper

228 100

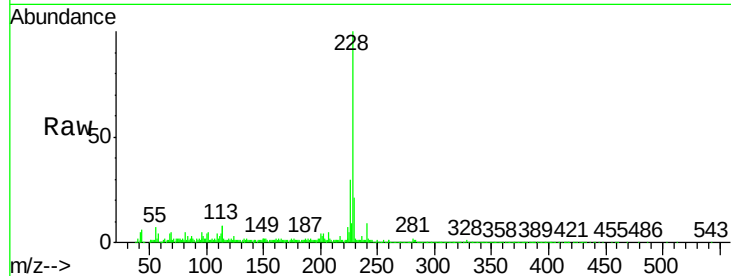
229 20.6 15.4 23.0

226 29.9 21.4 32.0

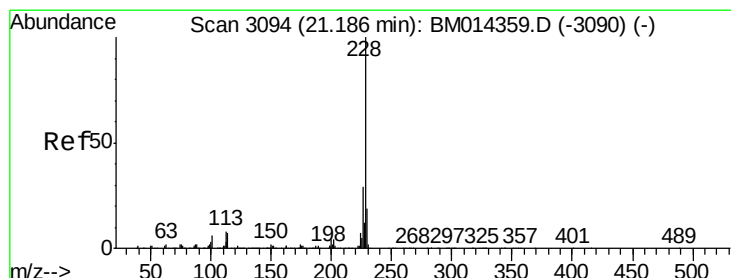
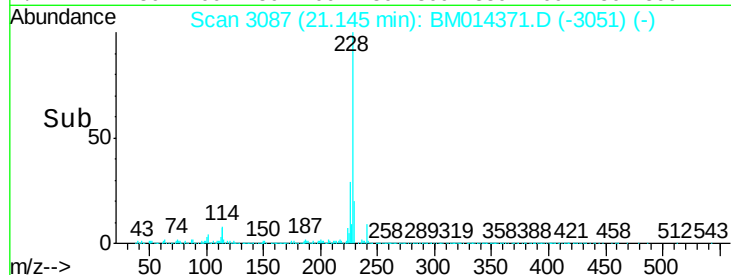
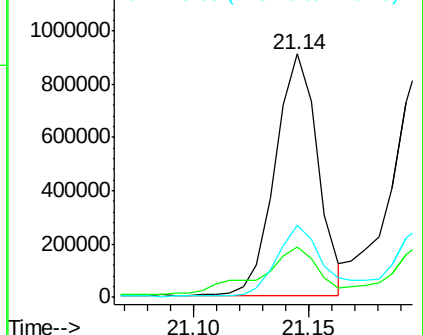
Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 37.825 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Tgt Ion:228 Resp: 1178090

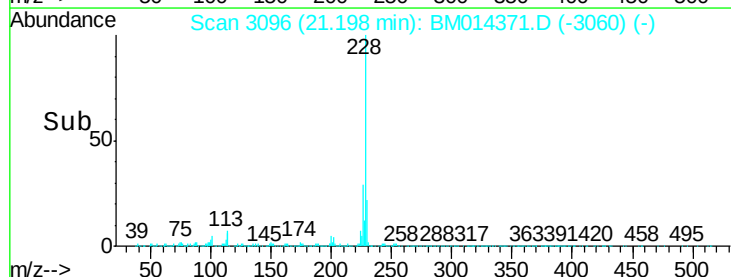
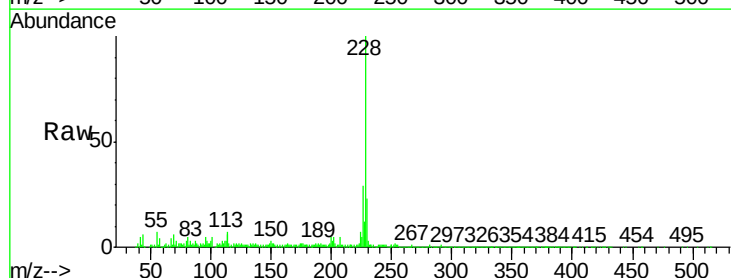
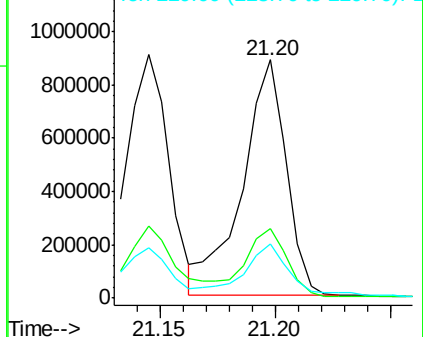
Ion Ratio Lower Upper

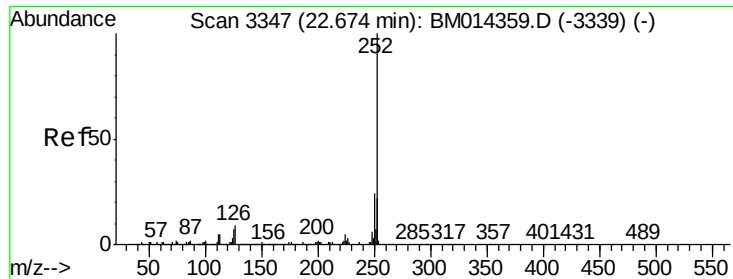
228 100

226 29.5 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





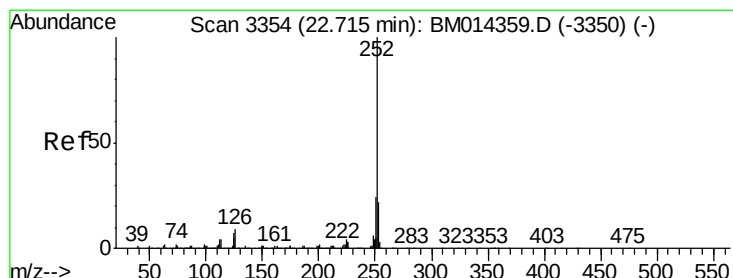
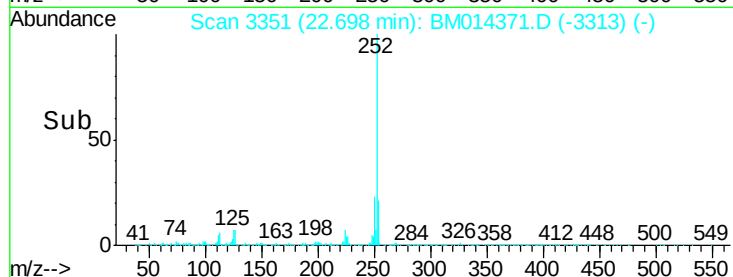
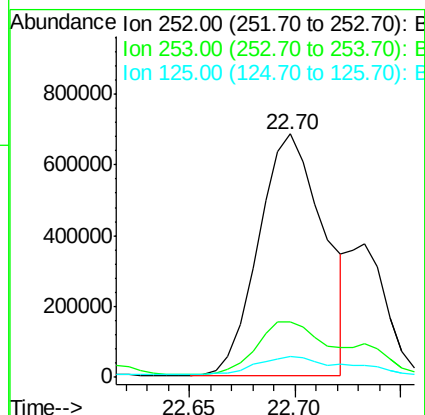
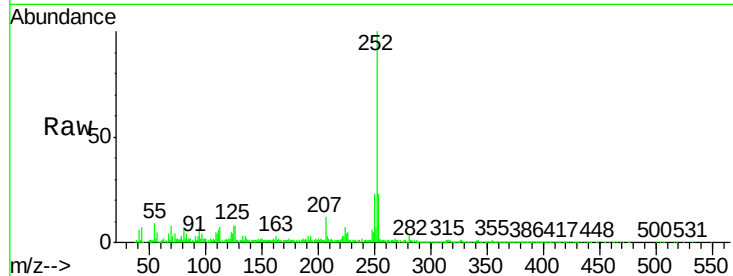
#85
Benzo(b)fluoranthene
Concen: 43.553 ng/ul
RT: 22.70 min Scan# 3351
Delta R.T. 0.02 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Instrument :
BNA_M
ClientSampled :
BE609

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.3	3.6	5.4#

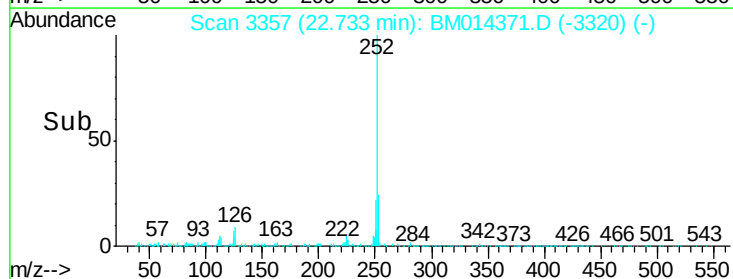
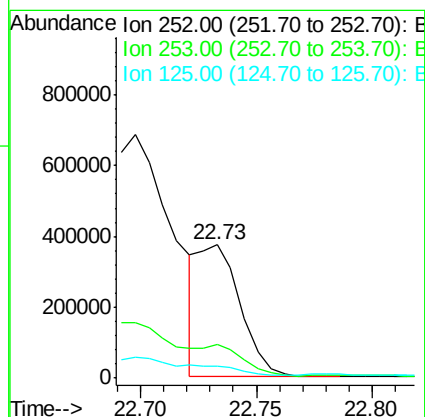
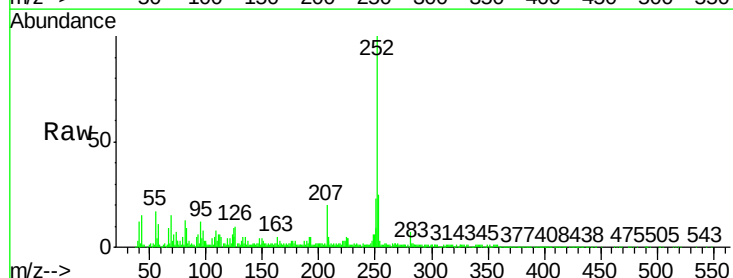
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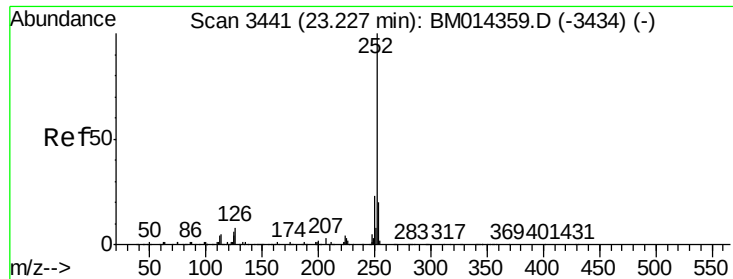
Sohil
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#86
Benzo(k)fluoranthene
Concen: 14.264 ng/ul m
RT: 22.73 min Scan# 3357
Delta R.T. 0.02 min
Lab File: BM014371.D
Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	9.3	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 34.600 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

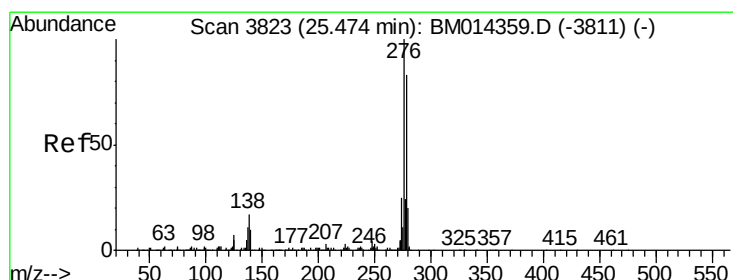
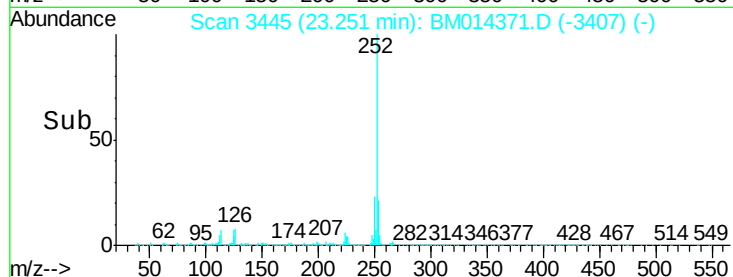
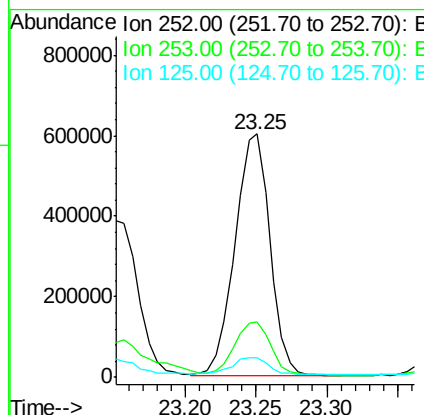
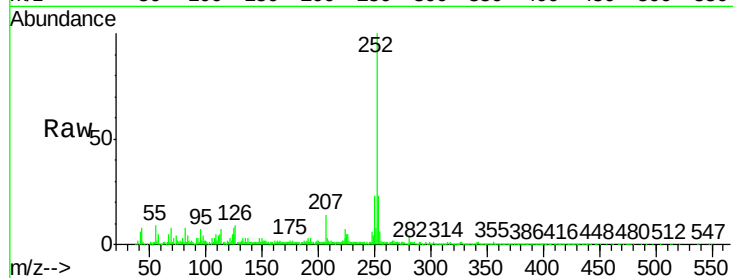
ClientSampleId :

BE609

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

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 24.027 ng/ul

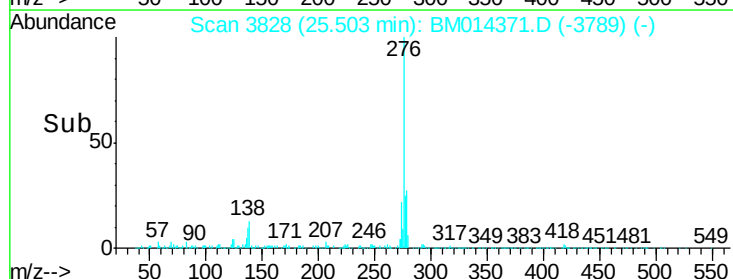
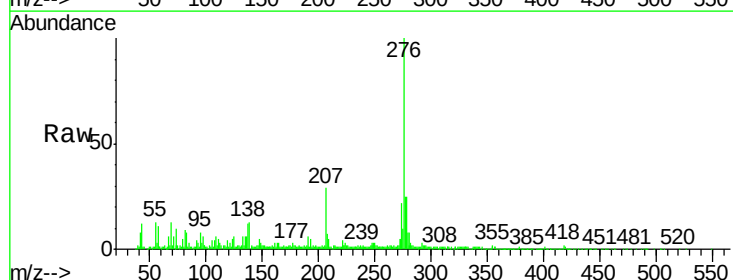
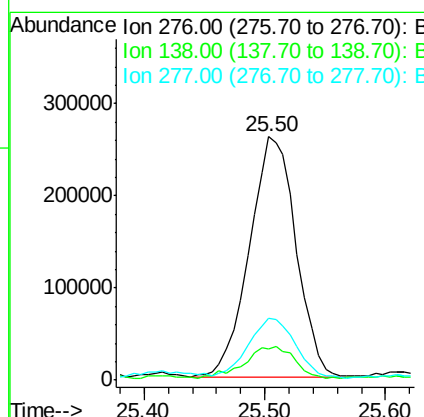
RT: 25.50 min Scan# 3828

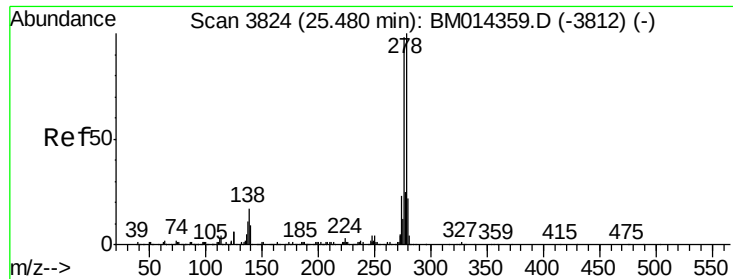
Delta R.T. 0.03 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.3	13.9
277	25.4	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 7.823 ng/ul

RT: 25.50 min Scan# 3828

Delta R.T. 0.02 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Instrument :

BNA_M

ClientSampleId :

BE609

Tgt Ion:278 Resp: 189575
Ion Ratio Lower Upper

278 100

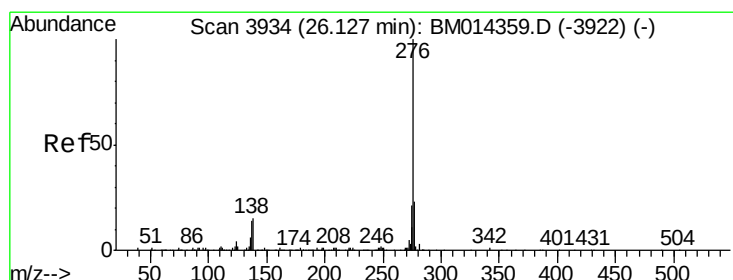
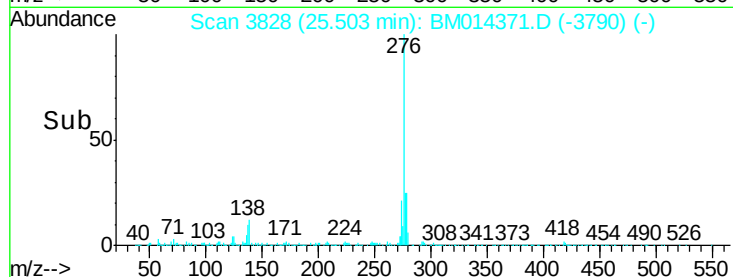
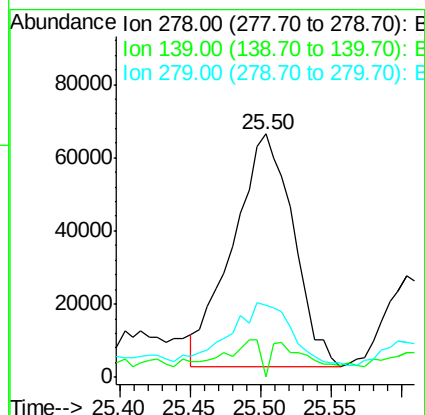
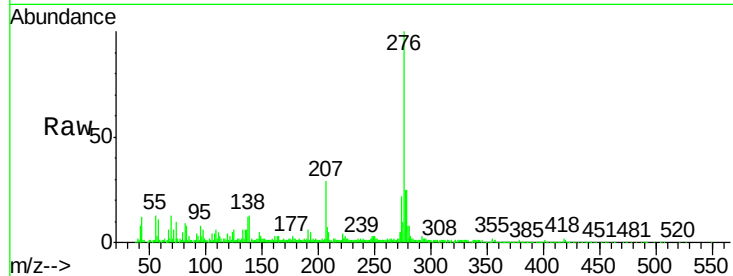
139 0.0 5.8 8.8#

279 29.8 18.6 27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 22.043 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.04 min

Lab File: BM014371.D

Acq: 26 Feb 2018 23:59

Tgt Ion:276 Resp: 520804
Ion Ratio Lower Upper

276 100

138 14.7 8.5 12.7#

277 23.4 18.6 28.0

