

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014370.D
 Acq On : 26 Feb 2018 23:23
 Operator : SJ/JU
 Sample : J1631-10
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z1

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:58:42 PM

Quant Time: Feb 27 06:10:55 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	142942	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	647421	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	377493	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	756960	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	585782	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	518121	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	19257m	5.77	ng/uL	0.00
5) Phenol-d5	6.73	99	380316	31.48	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.88	67	236688	32.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	324506	35.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	274583	25.98	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	169023	35.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	188377	38.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	348082	33.94	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	204905	20.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	1145775	36.75	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1438552	37.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	101960	23.69	ng/ul	0.02
57) Fluorene-d10	15.19	176	958213	34.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	27312	6.01	ng/ul	0.02
70) Anthracene-d10	17.04	188	1403287	38.42	ng/ul	0.00
76) Pyrene-d10	19.36	212	1293800	42.82	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	946909	37.55	ng/ul	0.03

Target Compounds

					Qvalue
4) Benzaldehyde	6.70	77	8000	1.624	ng/ul# 67
6) Phenol	6.76	94	55956	4.414	ng/ul 97
14) Acetophenone	8.35	105	41582	2.280	ng/ul 88
28) Naphthalene	10.35	128	238312	7.167	ng/ul 99
34) 2-Methylnaphthalene	11.97	142	52980	2.093	ng/ul 98
44) Dimethylphthalate	13.66	163	669109	21.766	ng/ul 100
47) Acenaphthylene	13.90	152	177421	4.883	ng/ul 97
49) Acenaphthene	14.24	153	124007	4.847	ng/ul 100
53) Dibenzofuran	14.59	168	140672	3.667	ng/ul 96
56) Diethylphthalate	15.03	149	51047	1.490	ng/ul 94
58) Fluorene	15.24	166	183371	5.537	ng/ul 98
69) Phenanthrene	16.99	178	3753493	86.064	ng/ul 99
71) Anthracene	17.08	178	741803	16.913	ng/ul 99
72) Carbazole	17.36	167	317086	8.598	ng/ul# 96
74) Fluoranthene	19.02	202	5686871	109.141	ng/ul# 90
77) Pyrene	19.39	202	4852426	124.647	ng/ul# 92
80) Benzo(a)anthracene	21.15	228	2290445	62.651	ng/ul 95
82) Chrysene	21.20	228	2084532	61.122	ng/ul 97
85) Benzo(b)fluoranthene	22.70	252	2646917	76.297	ng/ul# 97
86) Benzo(k)fluoranthene	22.74	252	806516m	24.452	ng/ul
88) Benzo(a)pyrene	23.26	252	1817225	58.618	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	25.51	276	1209438	40.204	ng/ul 97
90) Dibenzo(a,h)anthracene	25.51	278	356948m	14.280	ng/ul

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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	26.19	276	901491	36.992	ng/ul#	95

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

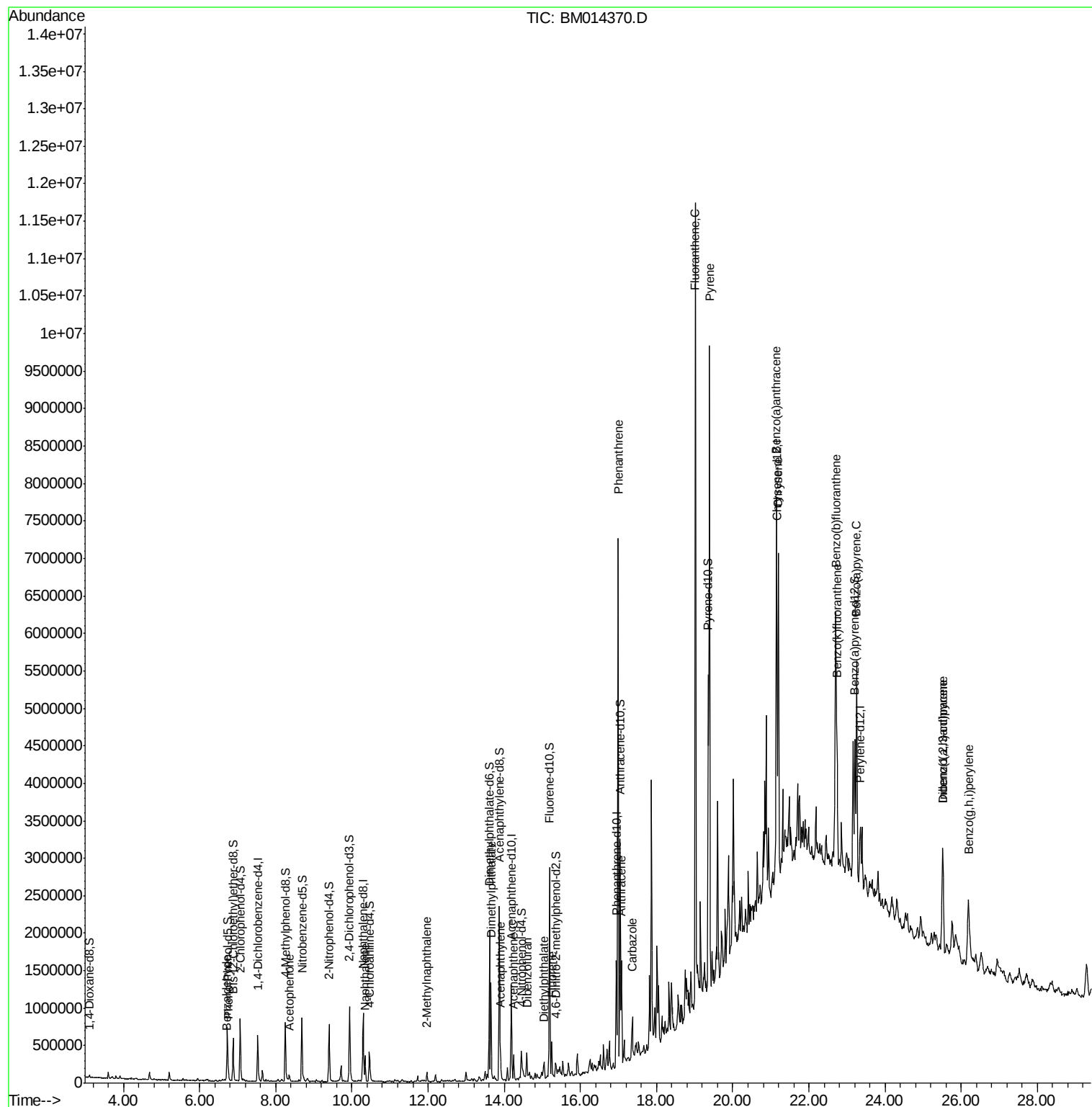
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
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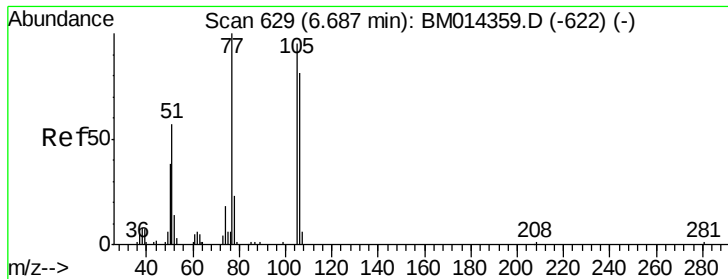
Instrument :
BNA_M
ClientSampleId :
BE5Z1

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#4

Benzaldehyde

Concen: 1.624 ng/ul

RT: 6.70 min Scan# 631

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

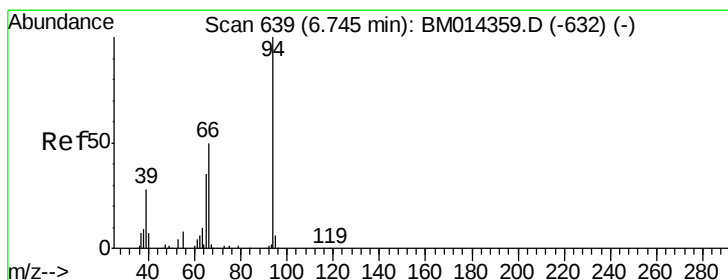
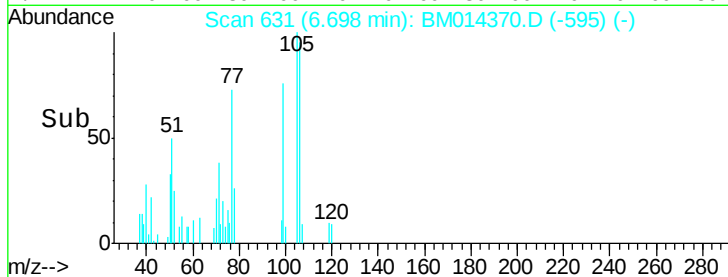
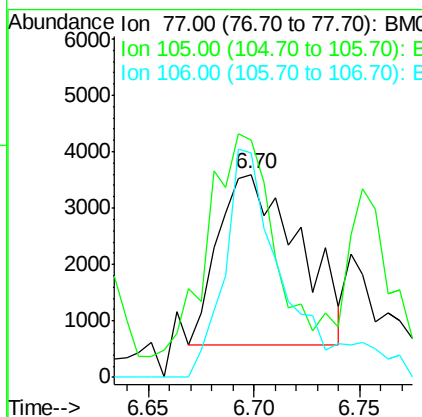
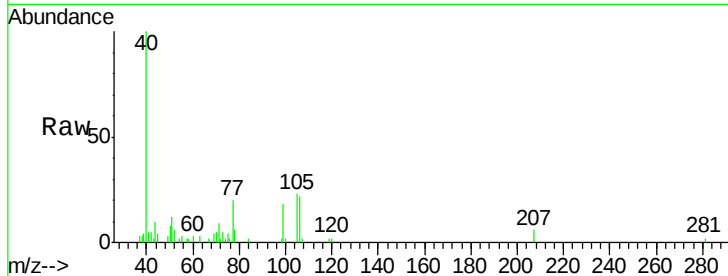
ClientSampled :

BE5Z1

Tgt Ion:	77	Resp:	8000
Ion Ratio	Lower	Upper	
77	100		
105	117.1	66.1	99.1#
106	110.8	67.8	101.6#

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#6

Phenol

Concen: 4.414 ng/ul

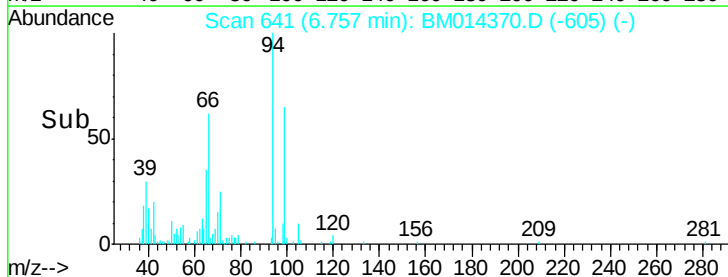
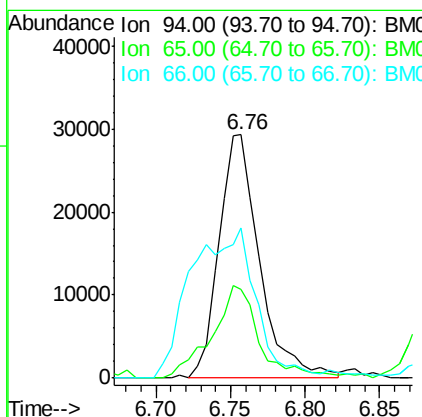
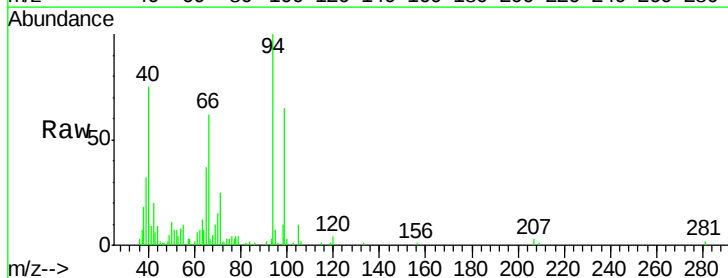
RT: 6.76 min Scan# 641

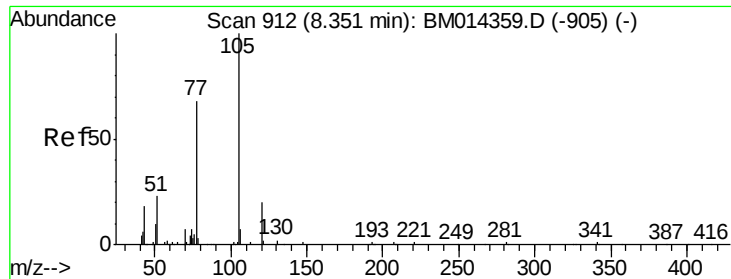
Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:	94	Resp:	55956
Ion Ratio	Lower	Upper	
94	100		
65	36.5	28.2	42.4
66	61.7	47.2	70.8





#14

Acetophenone

Concen: 2.280 ng/ul

RT: 8.35 min Scan# 912

Delta R.T. 0.00 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

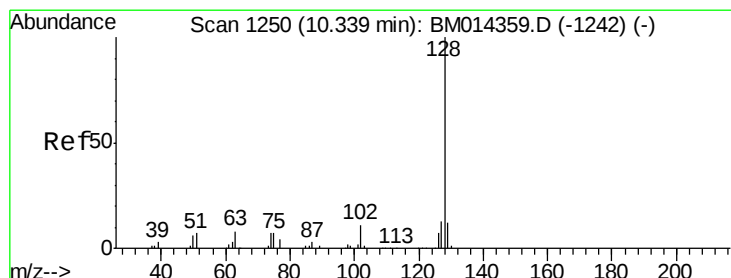
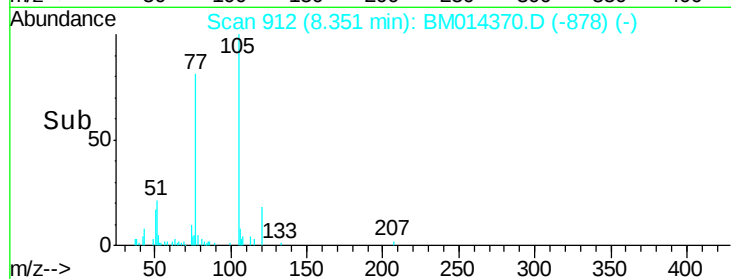
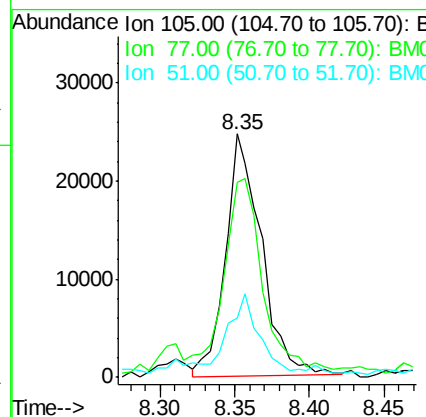
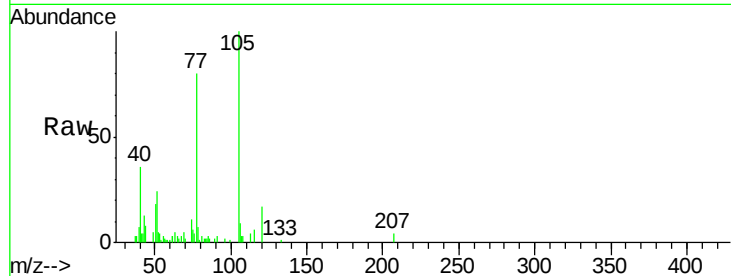
ClientSampleId :

BE5Z1

Tgt Ion:	105	Resp:	41582
Ion Ratio	Lower	Upper	
105	100		
77	80.0	74.2	111.4
51	24.3	23.4	35.2

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#28

Naphthalene

Concen: 7.167 ng/ul

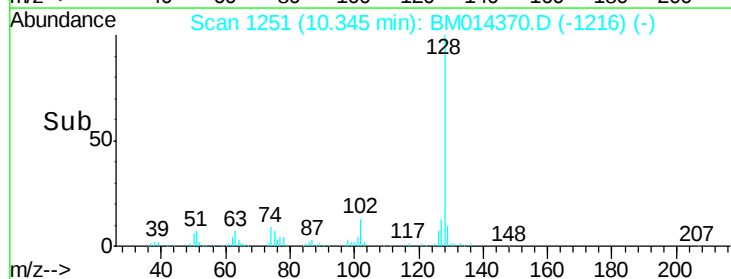
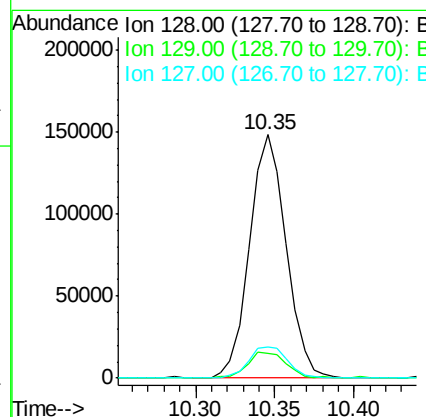
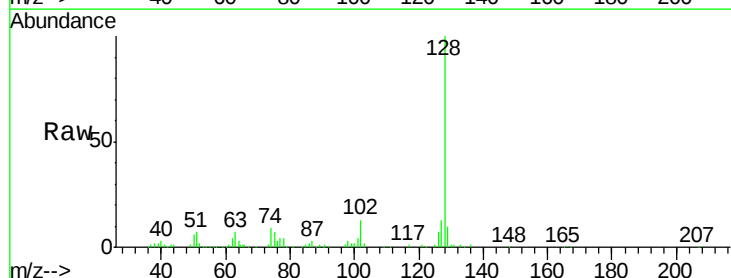
RT: 10.35 min Scan# 1251

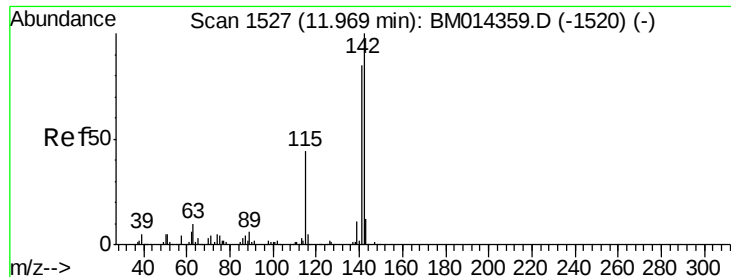
Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:	128	Resp:	238312
Ion Ratio	Lower	Upper	
128	100		
129	10.3	8.8	13.2
127	12.8	10.6	16.0





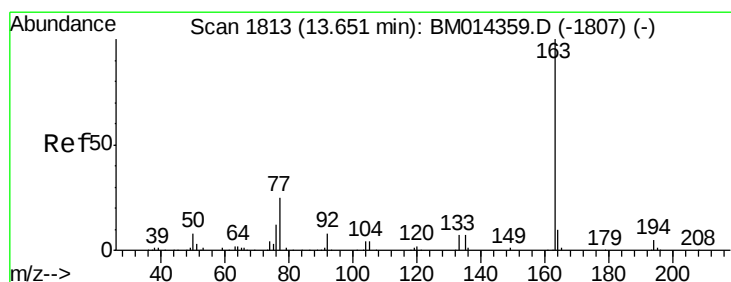
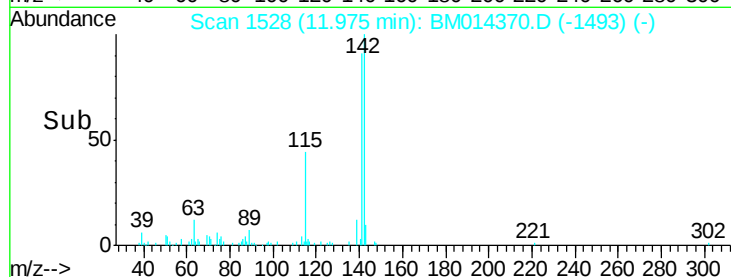
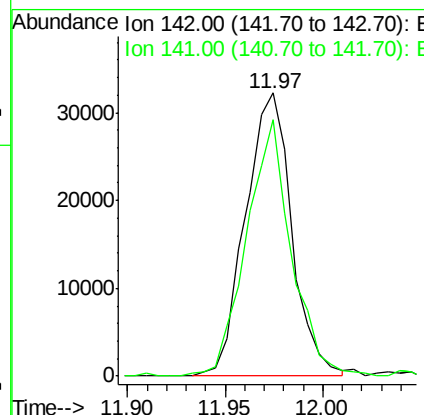
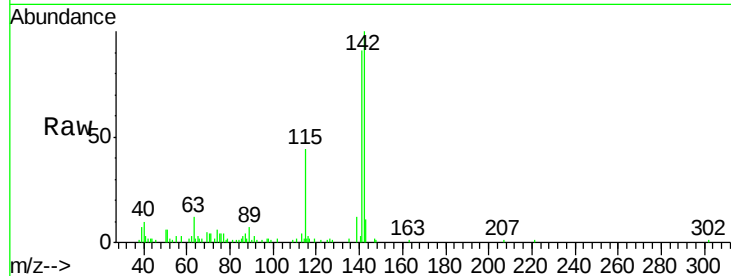
#34
2-Methylnaphthalene
Concen: 2.093 ng/ul
RT: 11.97 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Tgt Ion:142 Resp: 52980
Ion Ratio Lower Upper
142 100
141 90.8 74.1 111.1

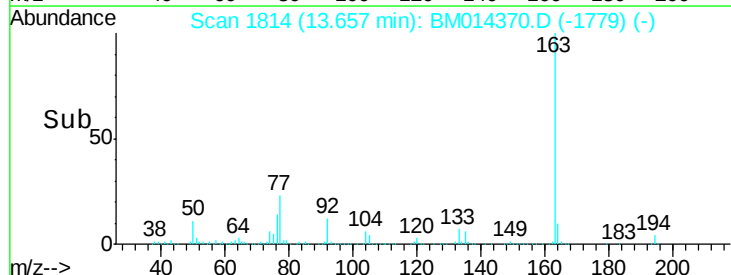
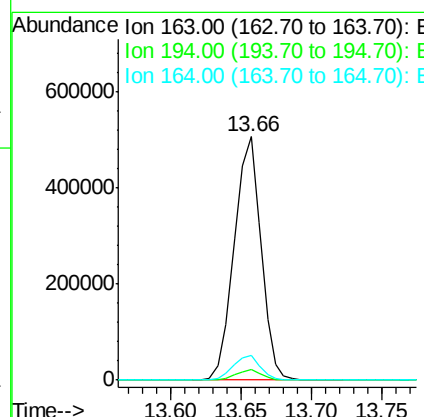
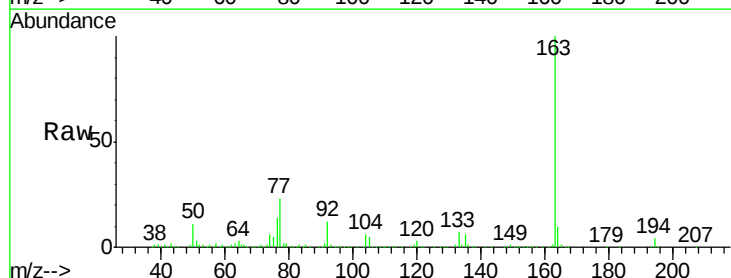
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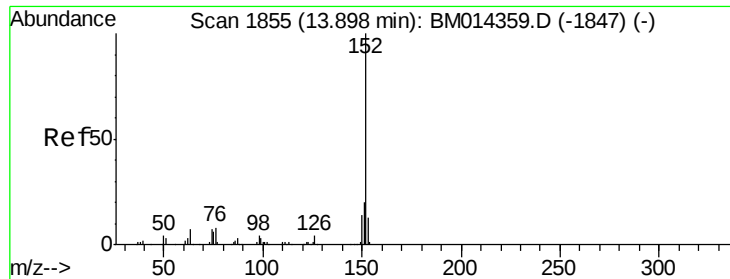
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#44
Dimethylphthalate
Concen: 21.766 ng/ul
RT: 13.66 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion:163 Resp: 669109
Ion Ratio Lower Upper
163 100
194 4.2 3.5 5.3
164 10.2 8.2 12.4





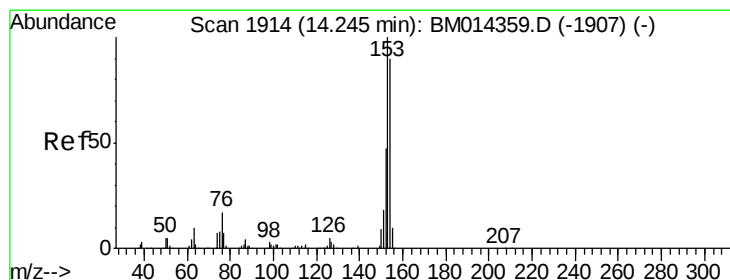
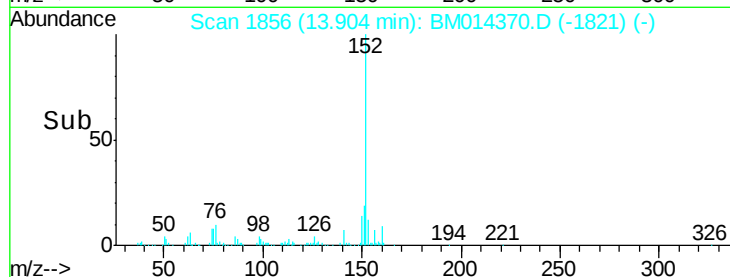
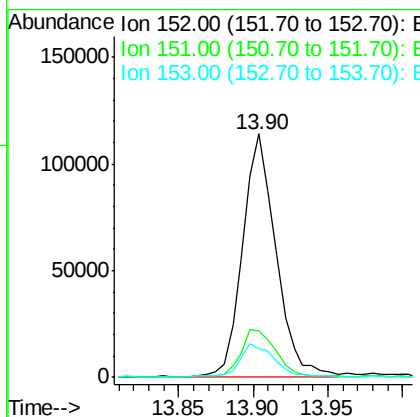
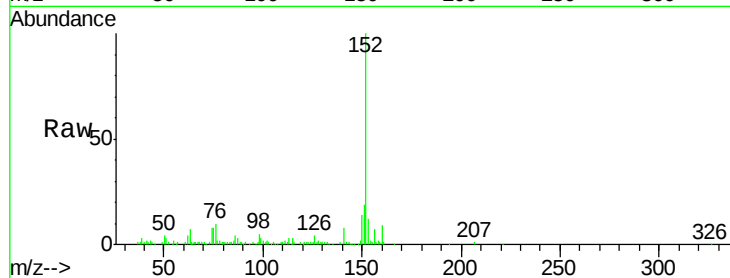
#47
Acenaphthylene
Concen: 4.883 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Instrument :
BNA_M
ClientSampleId :
BE5Z1

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	177421		
151	19.4	16.3	24.5	
153	11.6	10.2	15.4	

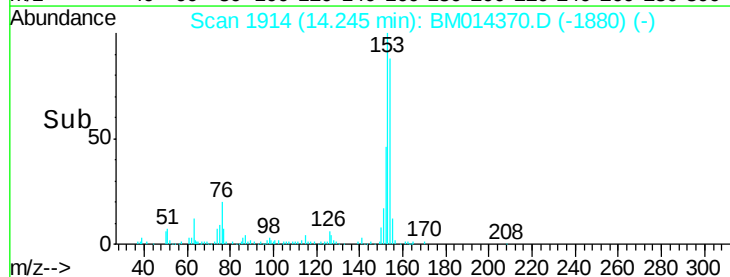
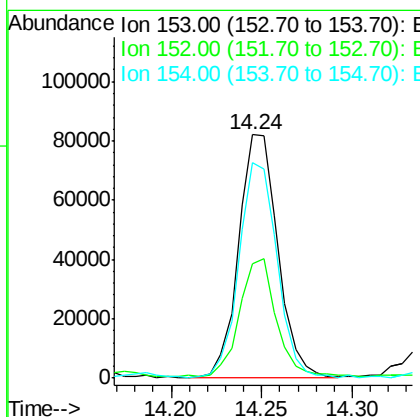
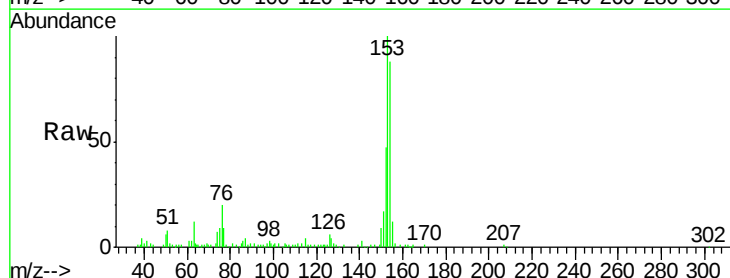
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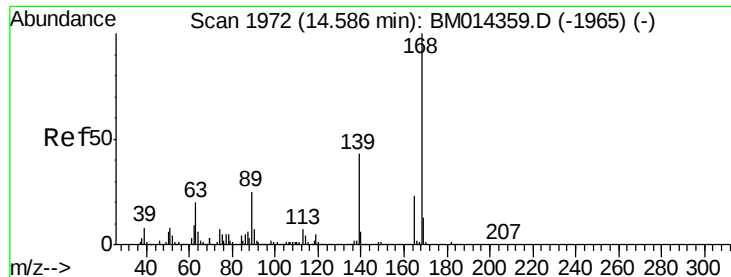
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#49
Acenaphthene
Concen: 4.847 ng/ul
RT: 14.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	124007		
152	46.9	37.6	56.4	
154	88.5	70.4	105.6	





#53

Dibenzofuran

Concen: 3.667 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampled :

BE5Z1

Tgt Ion:168 Resp: 140672

Ion Ratio Lower Upper

168 100

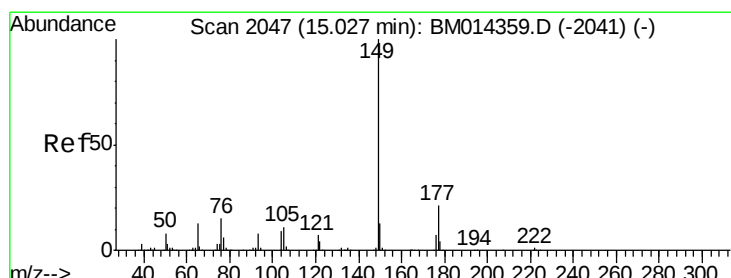
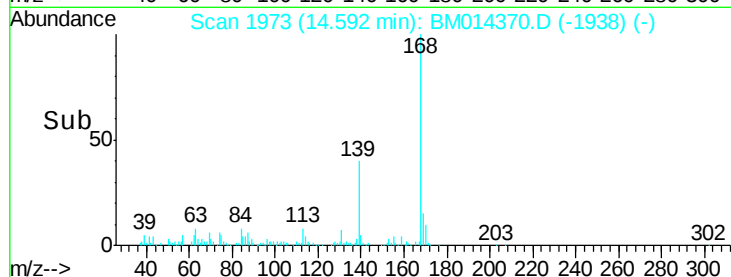
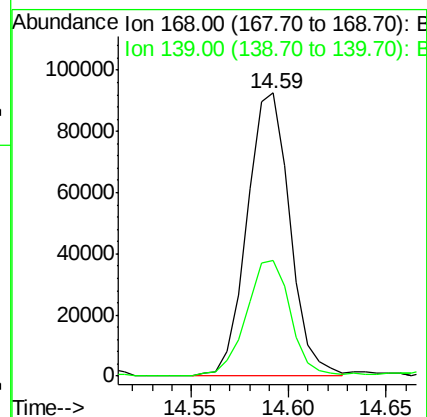
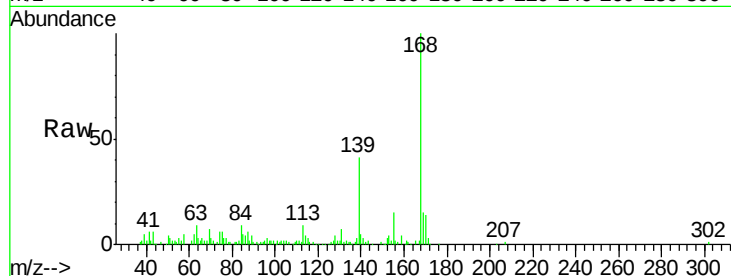
139 40.9 30.8 46.2

Manual Integrations

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#56

Diethylphthalate

Concen: 1.490 ng/ul

RT: 15.03 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

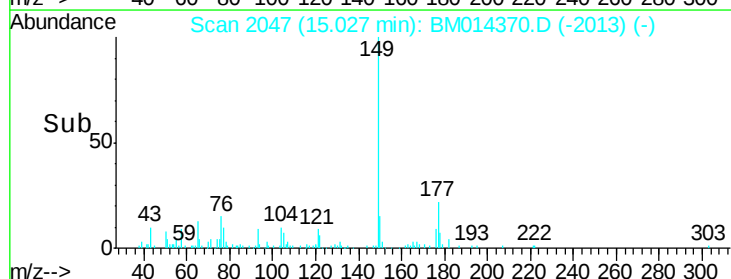
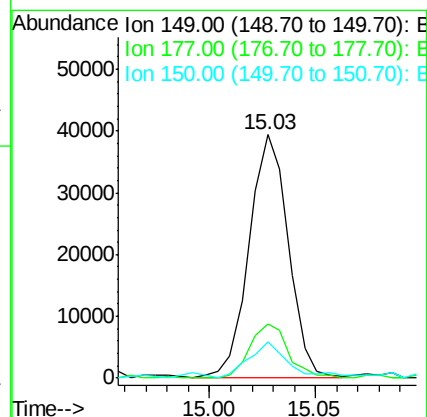
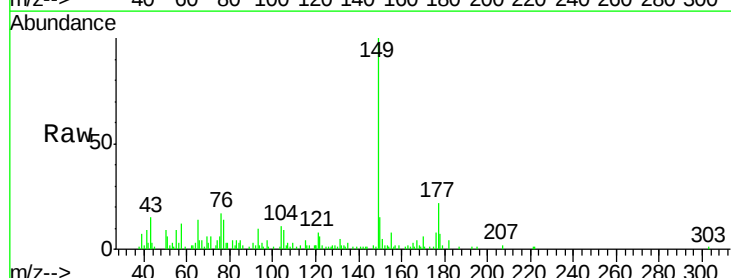
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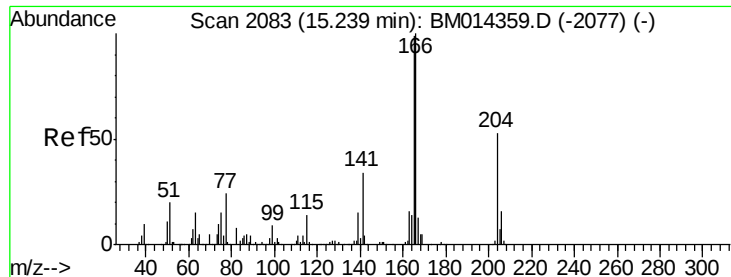
Ion Ratio Lower Upper

149 100

177 22.4 20.5 30.7

150 15.1 10.6 15.8





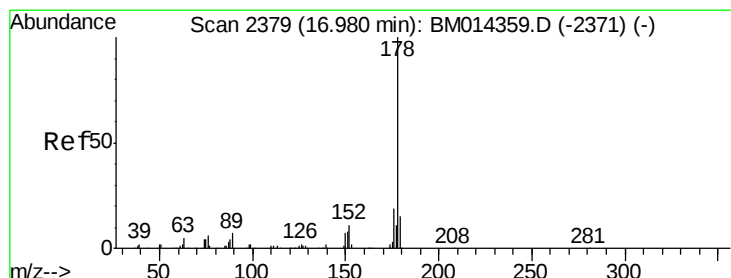
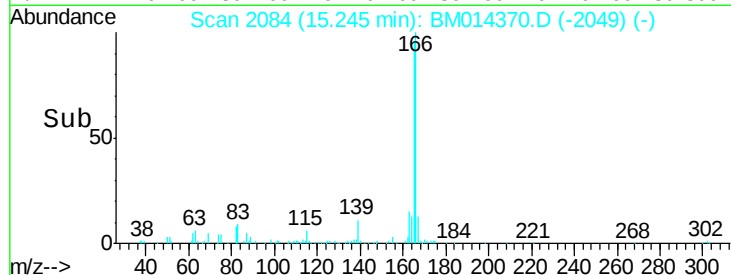
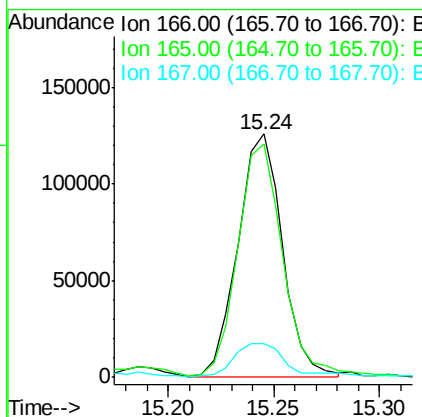
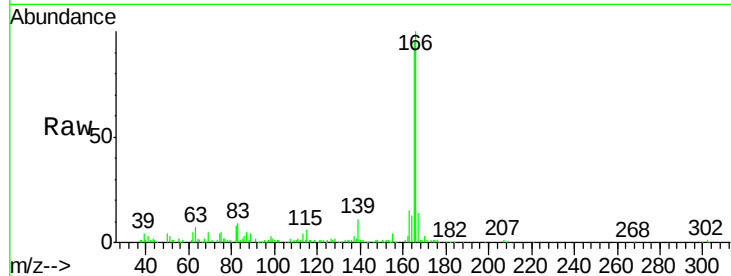
#58
 Fluorene
 Concen: 5.537 ng/ul
 RT: 15.24 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BM014370.D
 Acq: 26 Feb 2018 23:23

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z1

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	183371		
165	95.8	77.9	116.9	
167	14.0	10.6	16.0	

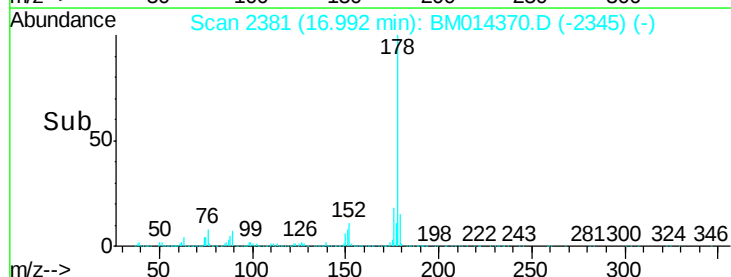
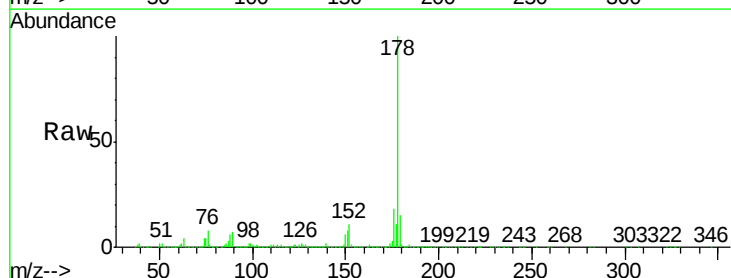
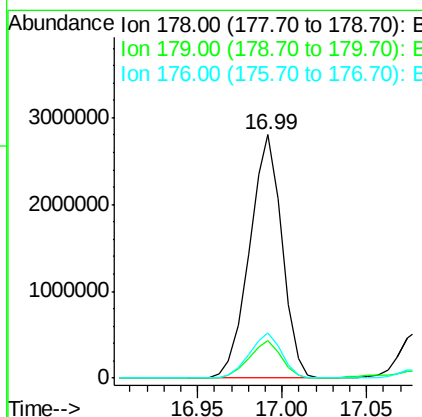
Manual Integrations
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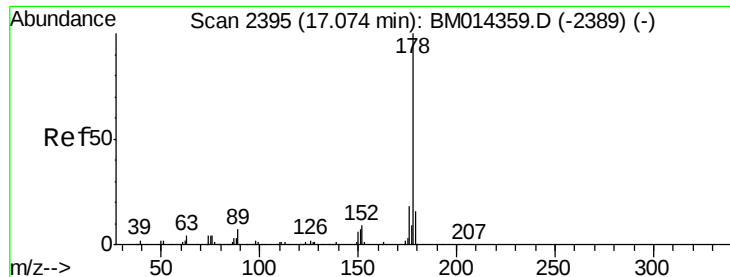
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#69
 Phenanthrene
 Concen: 86.064 ng/ul
 RT: 16.99 min Scan# 2381
 Delta R.T. 0.01 min
 Lab File: BM014370.D
 Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3753493		
179	15.2	12.6	19.0	
176	18.4	14.9	22.3	





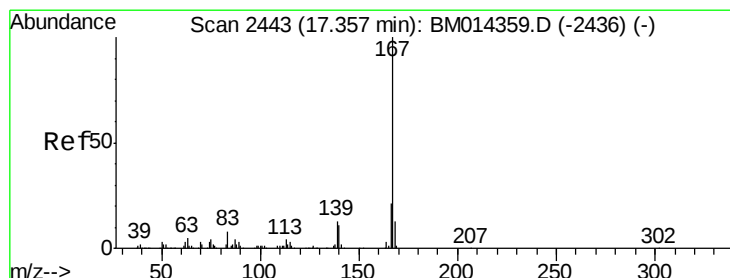
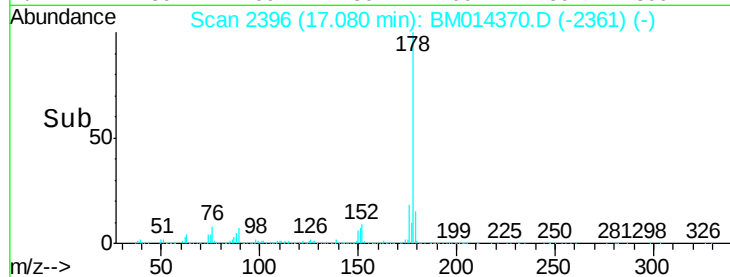
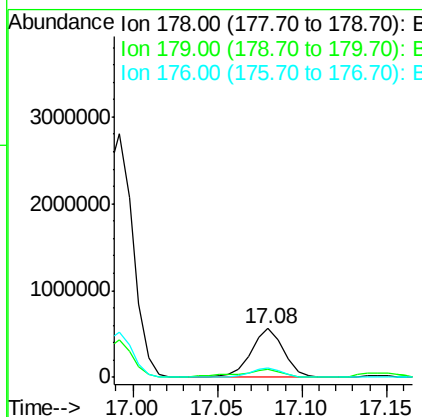
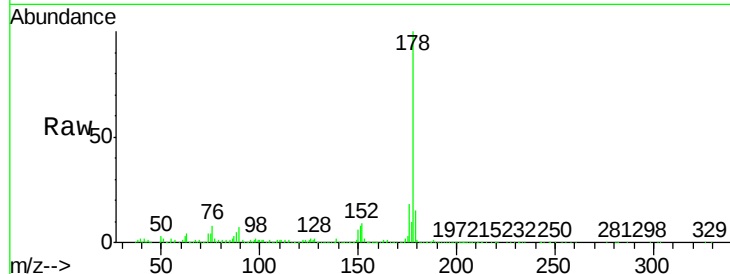
#71
 Anthracene
 Concen: 16.913 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.01 min
 Lab File: BM014370.D
 Acq: 26 Feb 2018 23:23

Instrument :
 BNA_M
 ClientSampled :
 BE5Z1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.7	17.5
176	18.1	14.6	21.8

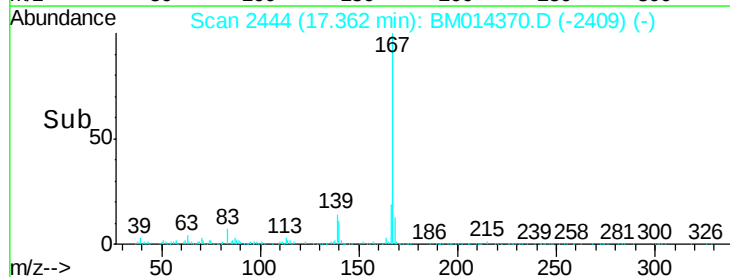
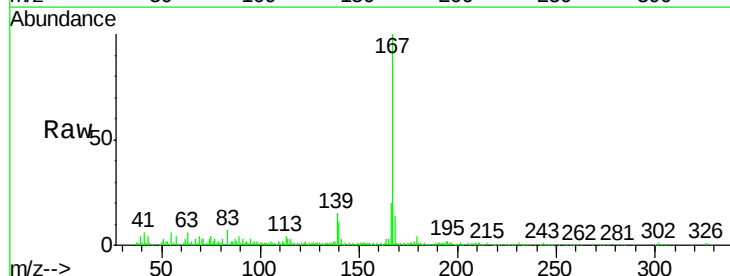
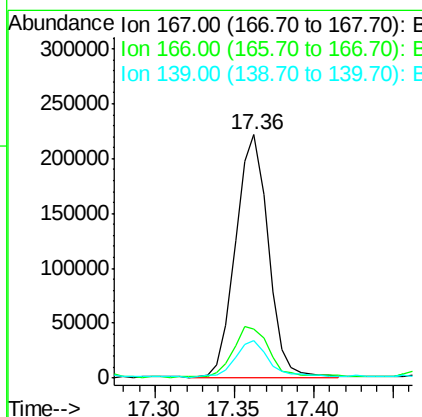
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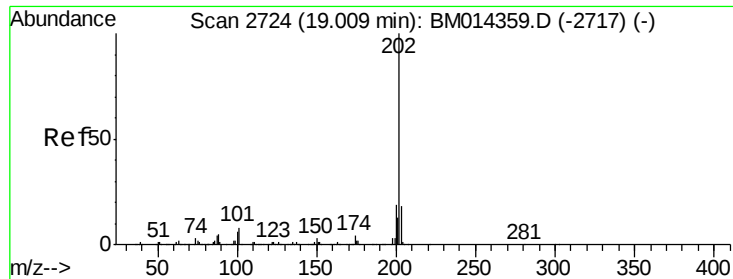
Sohil
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#72
 Carbazole
 Concen: 8.598 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014370.D
 Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.1	25.7
139	15.3	10.0	15.0#





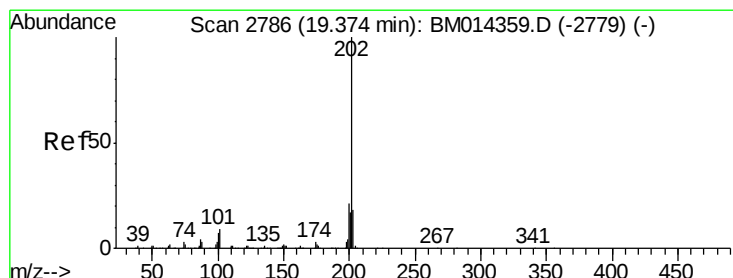
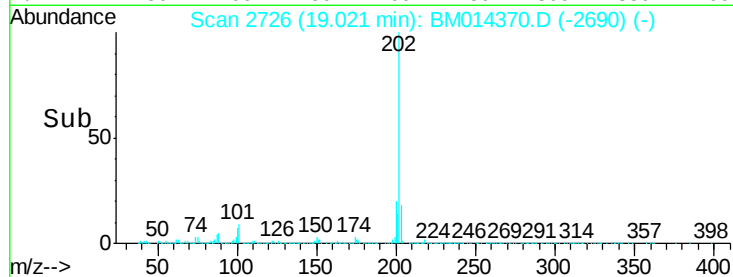
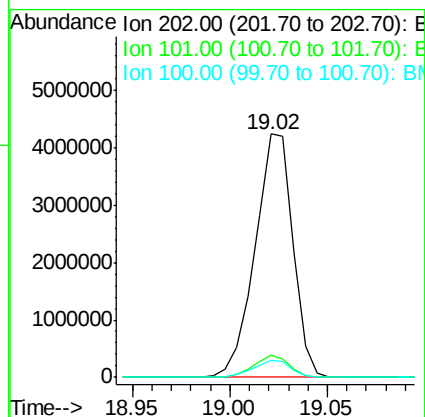
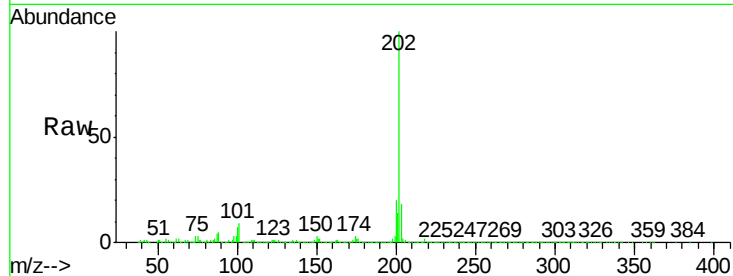
#74
Fluoranthene
Concen: 109.141 ng/ul
RT: 19.02 min Scan# 2726
Delta R.T. 0.01 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Instrument :
BNA_M
ClientSampled :
BE5Z1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	4.6	7.0#
100	7.3	3.4	5.2#

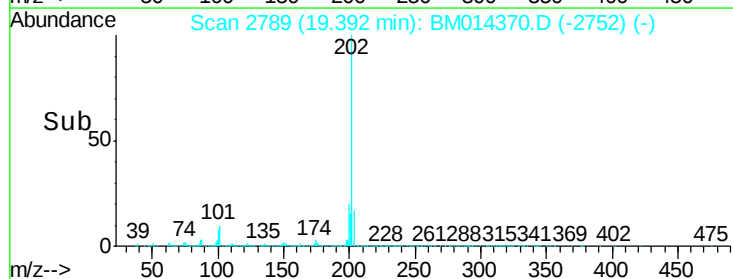
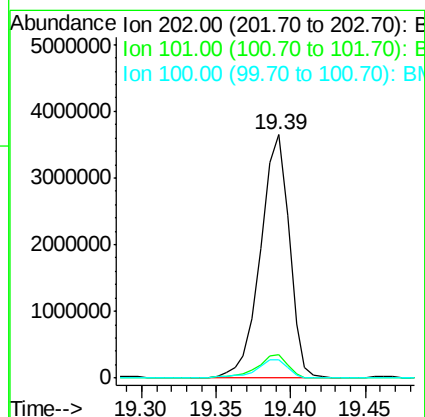
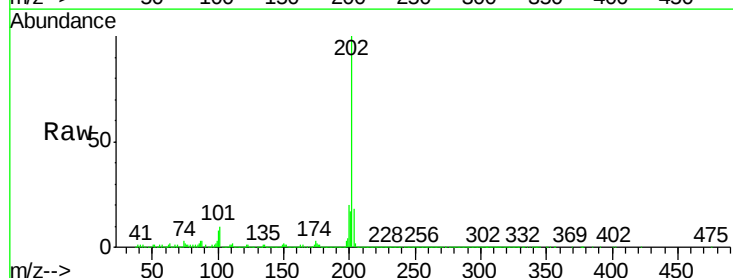
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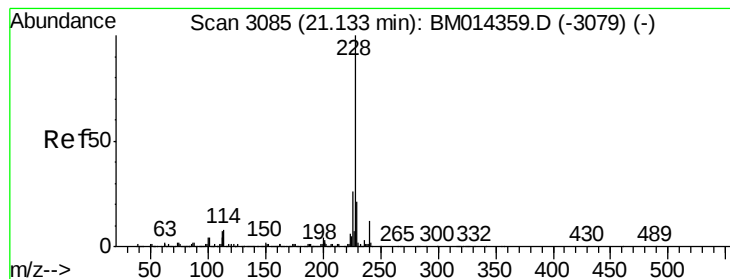
Sohil
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#77
Pyrene
Concen: 124.647 ng/ul
RT: 19.39 min Scan# 2789
Delta R.T. 0.02 min
Lab File: BM014370.D
Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	7.8	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 62.651 ng/ul

RT: 21.15 min Scan# 3088

Delta R.T. 0.02 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampled :

BE5Z1

Tgt Ion:228 Resp: 2290445

Ion Ratio Lower Upper

228 100

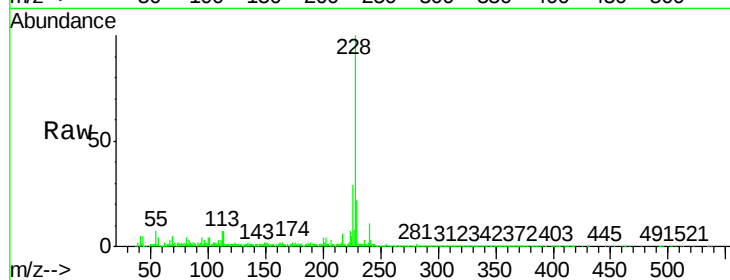
229 22.1 15.4 23.0

226 28.9 21.4 32.0

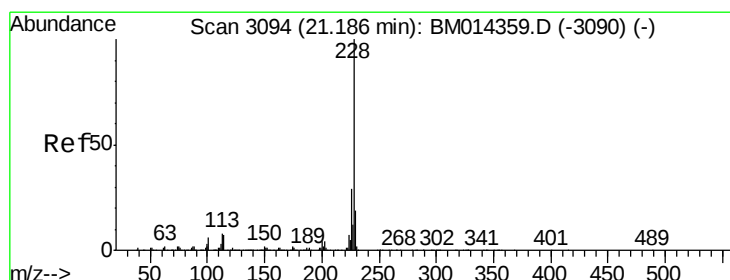
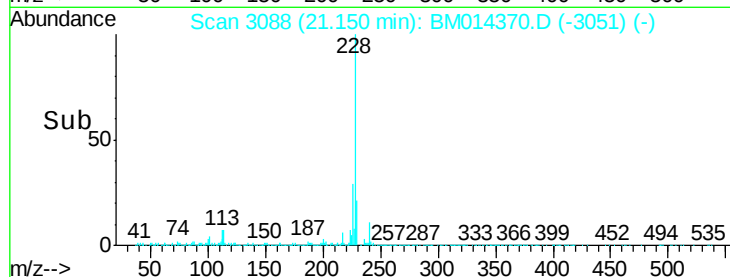
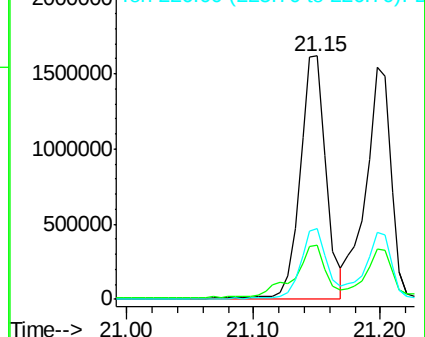
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#82

Chrysene

Concen: 61.122 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:228 Resp: 2084532

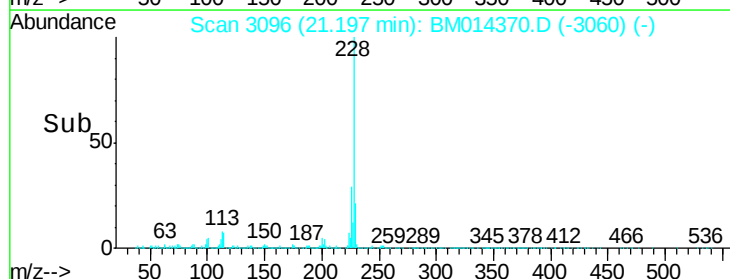
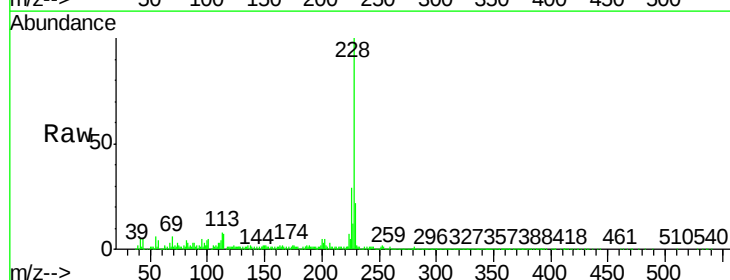
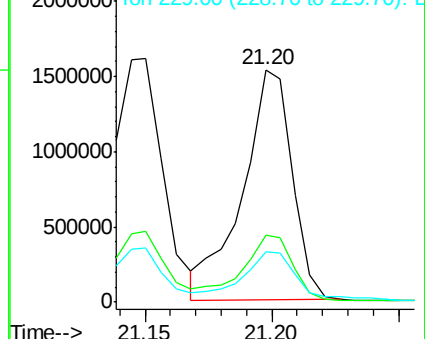
Ion Ratio Lower Upper

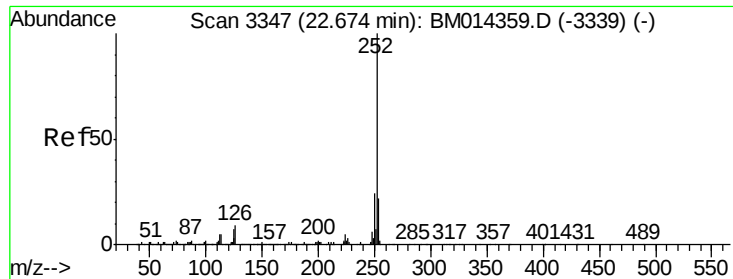
228 100

226 28.8 23.4 35.2

229 21.7 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: 76.297 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.03 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

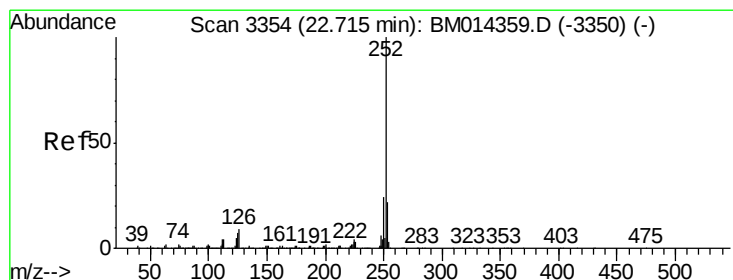
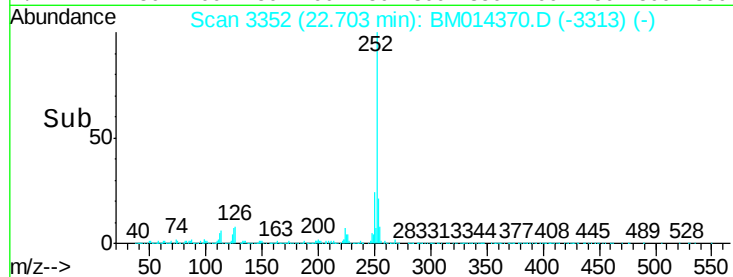
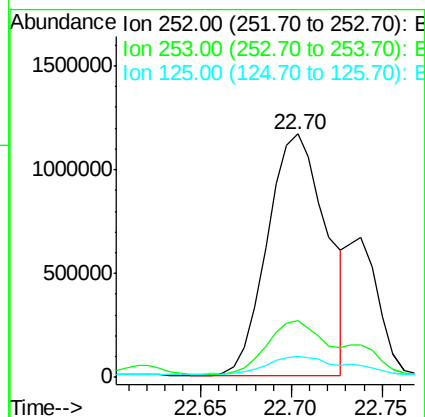
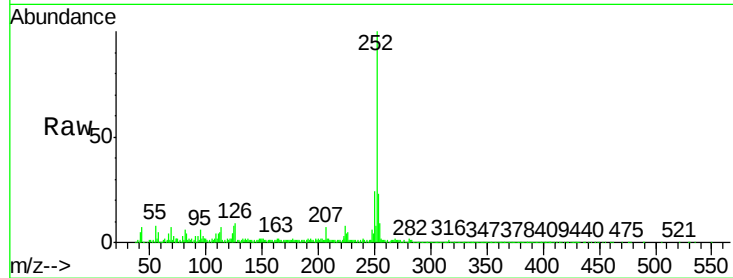
ClientSampleId :

BE5Z1

Tgt Ion:	252	Resp:	2646917
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	8.3	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 24.452 ng/ul m

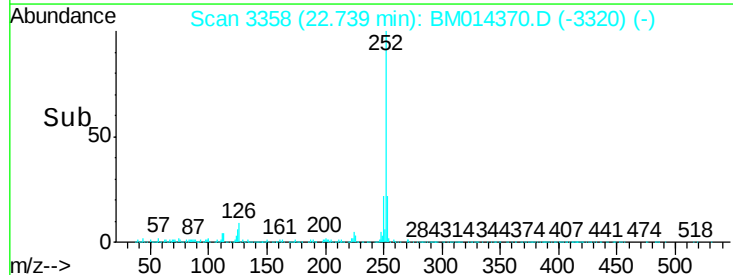
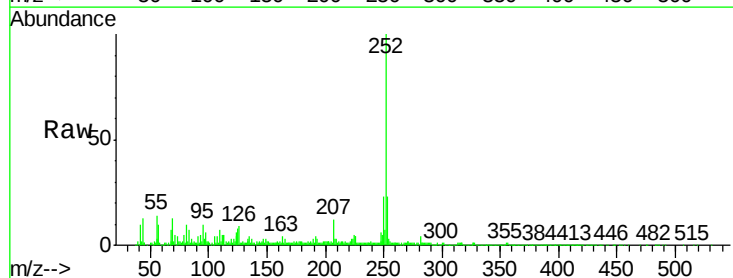
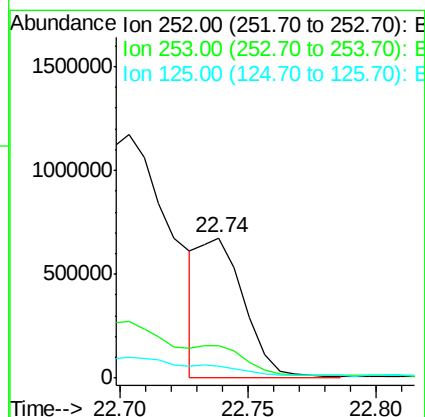
RT: 22.74 min Scan# 3358

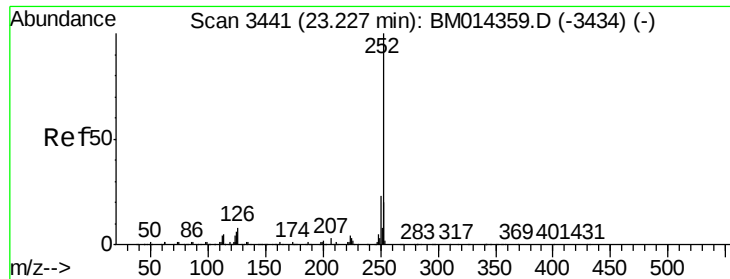
Delta R.T. 0.02 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:	252	Resp:	806516
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	8.5	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 58.618 ng/ul

RT: 23.26 min Scan# 3446

Delta R.T. 0.03 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

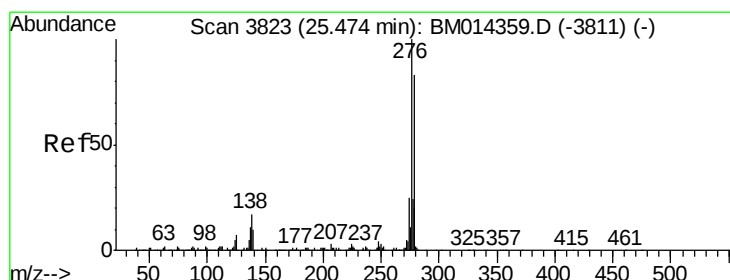
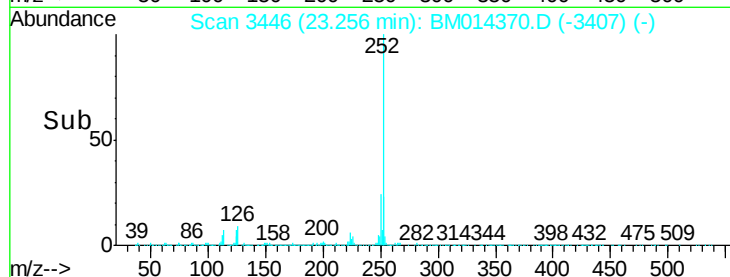
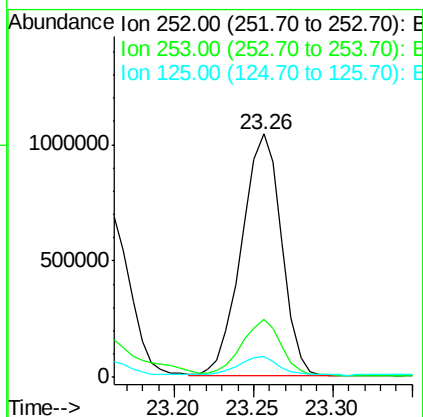
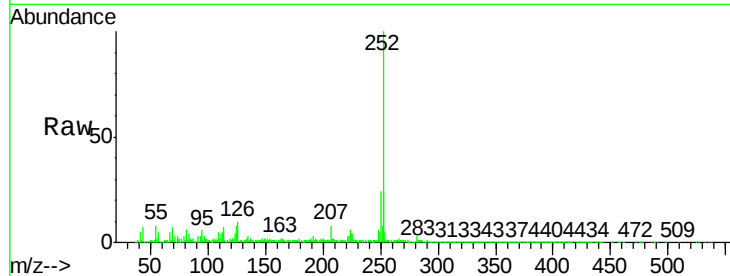
ClientSampled :

BE5Z1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	8.4	4.0	6.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 40.204 ng/ul

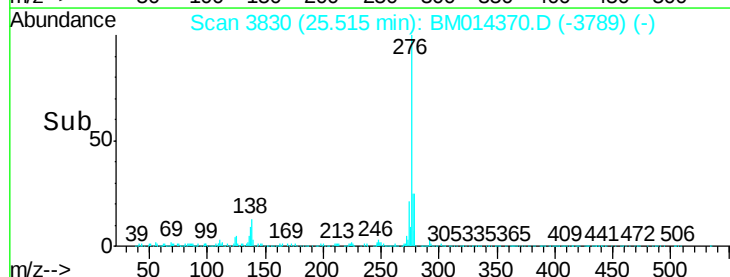
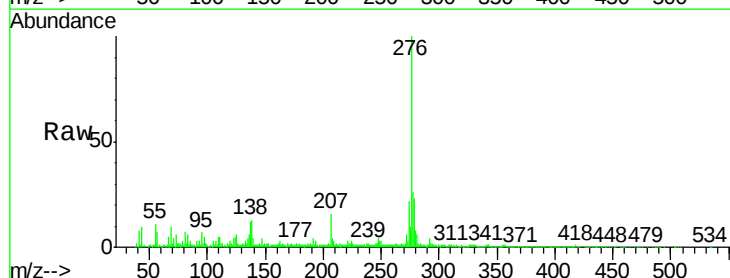
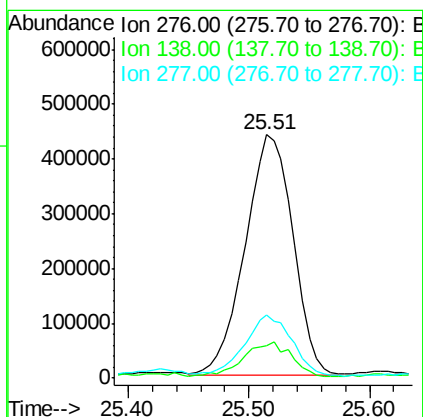
RT: 25.51 min Scan# 3830

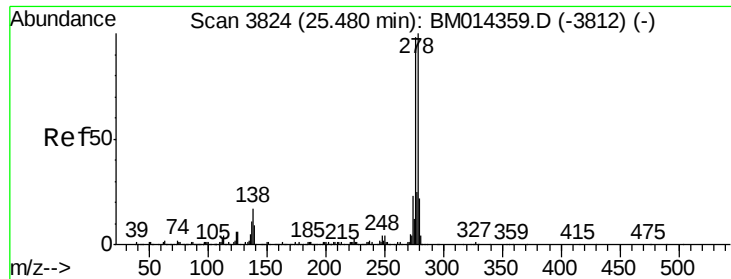
Delta R.T. 0.04 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.4	9.3	13.9
277	25.7	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 14.280 ng/ul m

RT: 25.51 min Scan# 3829

Delta R.T. 0.03 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Instrument :

BNA_M

ClientSampleId :

BE5Z1

Tgt Ion:278 Resp: 356948
Ion Ratio Lower Upper

278 100

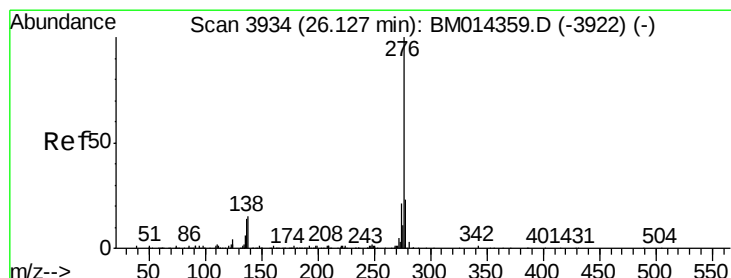
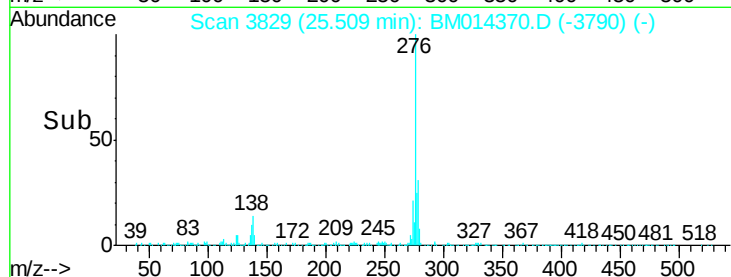
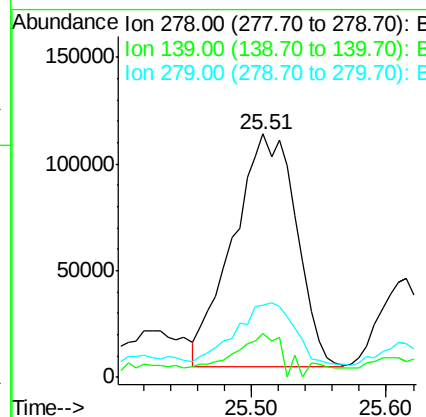
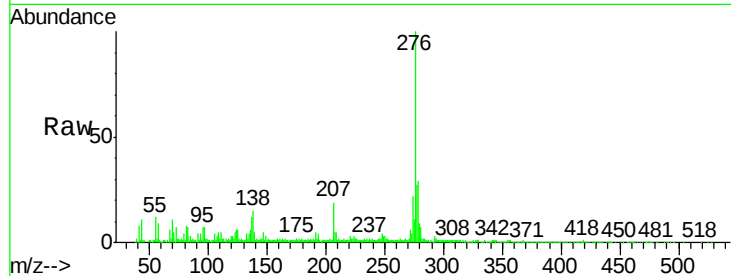
139 17.9 5.8 8.8#

279 29.6 18.6 27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 36.992 ng/ul

RT: 26.19 min Scan# 3945

Delta R.T. 0.06 min

Lab File: BM014370.D

Acq: 26 Feb 2018 23:23

Tgt Ion:276 Resp: 901491
Ion Ratio Lower Upper

276 100

138 16.0 8.5 12.7#

277 23.1 18.6 28.0

