

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
 Data File : BM014440.D
 Acq On : 01 Mar 2018 19:34
 Operator : SJ/JU
 Sample : J1646-12
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:31:57 PM

Quant Time: Mar 02 10:13:14 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	80160	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	385141	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	248808	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	567414	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	743805	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	611769	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	5849	3.12	ng/uL	0.00
5) Phenol-d5	6.72	99	180923	26.71	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	102381	24.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	143325	27.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	152418	25.71	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	78149	27.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	90347	30.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	155553	25.49	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	88931	14.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	558048	27.16	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	696464	27.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	69609m	24.54	ng/ul	0.02
57) Fluorene-d10	15.17	176	484531	26.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	54037	15.88	ng/ul	0.00
70) Anthracene-d10	17.03	188	762788	27.86	ng/ul	0.00
76) Pyrene-d10	19.35	212	908436	23.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	808491	27.15	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.75	94	20520	2.886	ng/ul	94
28) Naphthalene	10.33	128	45001	2.275	ng/ul	96
34) 2-Methylnaphthalene	11.96	142	18444	1.225	ng/ul	96
44) Dimethylphthalate	13.64	163	130537	6.443	ng/ul	99
47) Acenaphthylene	13.89	152	224809	9.388	ng/ul	95
49) Acenaphthene	14.23	153	134253	7.962	ng/ul	97
53) Dibenzofuran	14.58	168	155251	6.140	ng/ul	91
58) Fluorene	15.23	166	247724	11.349	ng/ul	99
69) Phenanthrene	16.98	178	5125050	156.767	ng/ul	99
71) Anthracene	17.07	178	1121836	34.121	ng/ul	98
72) Carbazole	17.35	167	149389	5.404	ng/ul#	95
74) Fluoranthene	19.02	202	9661862	247.370	ng/ul#	91
77) Pyrene	19.39	202	8088882	163.639	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	4673564	100.678	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	3720669	127.108	ng/ul#	95
82) Chrysene	21.20	228	3730389	86.143	ng/ul	96
85) Benzo(b)fluoranthene	22.70	252	4404937	107.535	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	1226581m	31.494	ng/ul	
88) Benzo(a)pyrene	23.25	252	2870003	78.406	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.51	276	1379469	38.836	ng/ul	96
90) Dibenzo(a,h)anthracene	25.50	278	436239	14.780	ng/ul#	90
91) Benzo(a,h,i)perylene	26.17	276	996518	34.632	ng/ul#	97

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

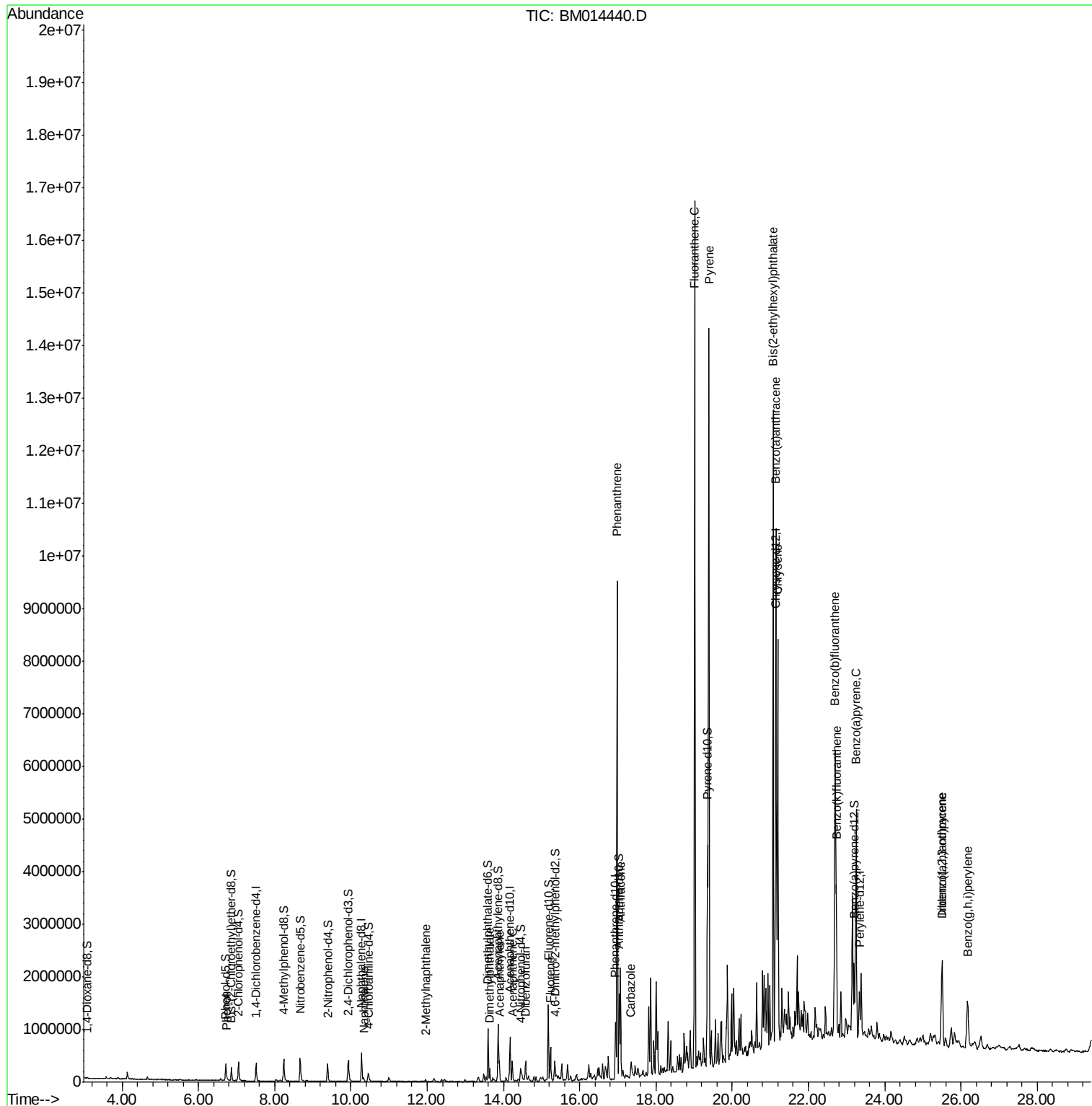
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030118\
Data File : BM014440.D
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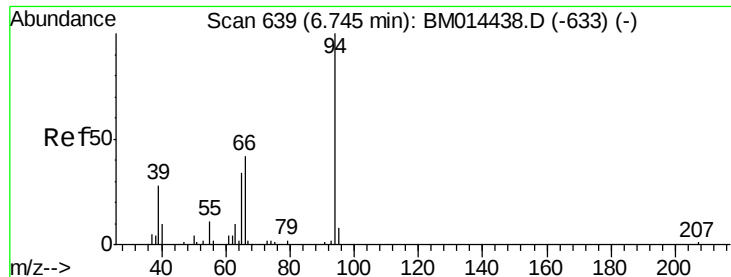
Instrument :
BNA_M
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BE5X6

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#6

Phenol

Concen: 2.886 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Instrument :

BNA_M

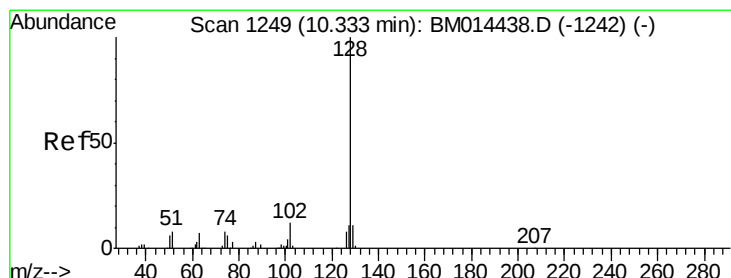
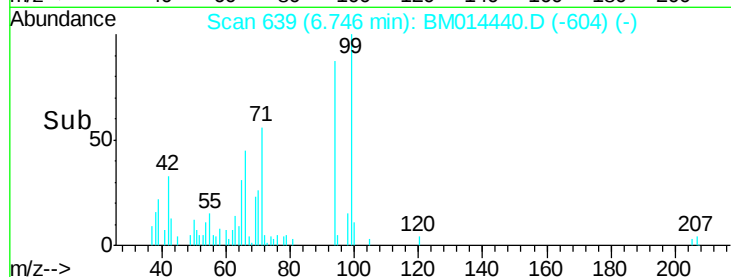
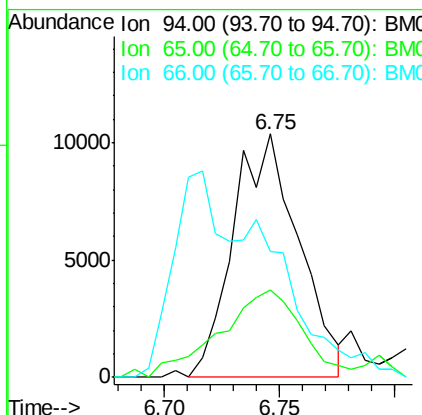
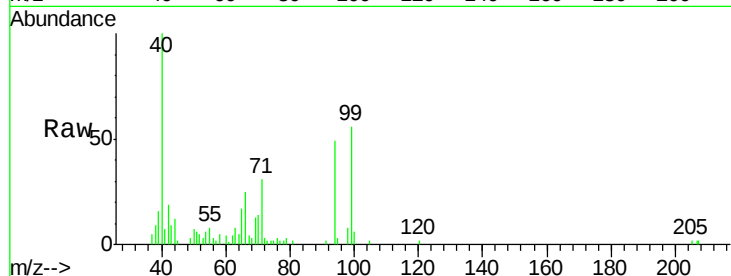
ClientSampled :

BE5X6

Tot Ion:	94	Resp:	20520
Ion	Ratio	Lower	Upper
94	100		
65	35.8	28.2	42.4
66	51.7	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 2.275 ng/ul

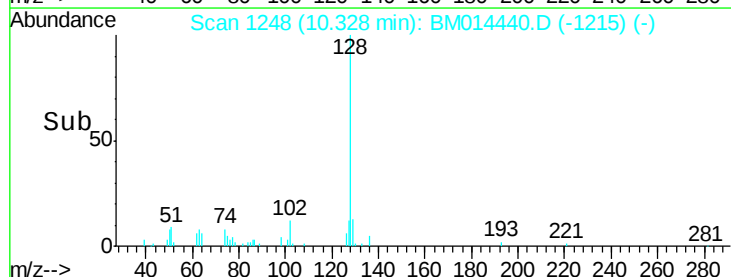
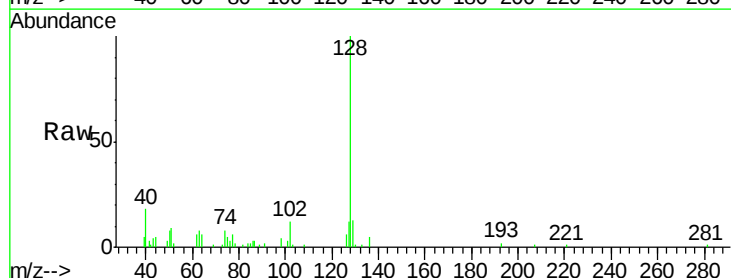
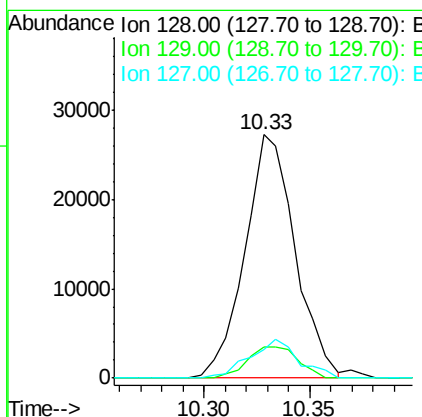
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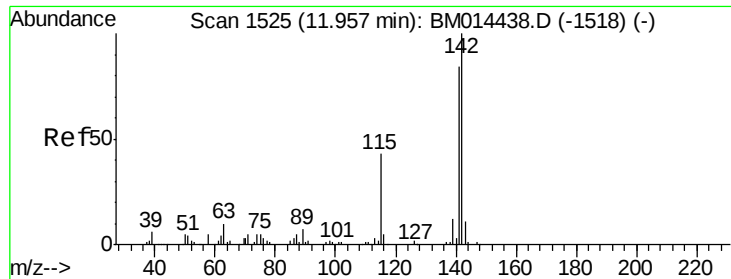
Delta R.T. -0.01 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Tgt Ion:	128	Resp:	45001
Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.8	13.2
127	11.5	10.6	16.0





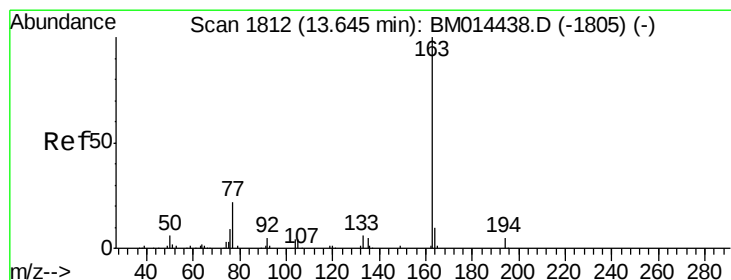
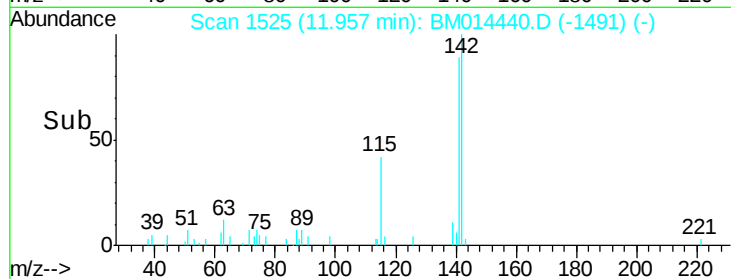
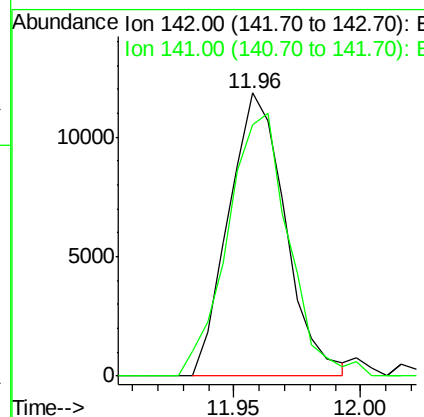
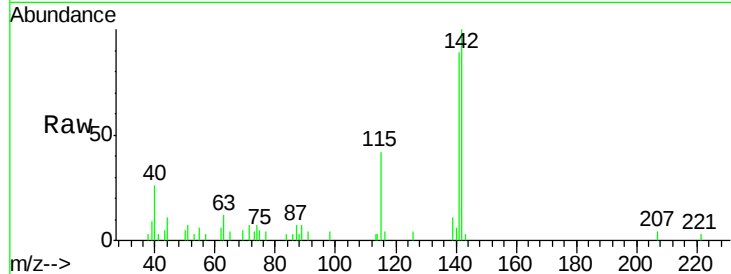
#34
2-Methylnaphthalene
Concen: 1.225 ng/ul
RT: 11.96 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Instrument :
BNA_M
ClientSampleId :
BE5X6

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	74.1	111.1

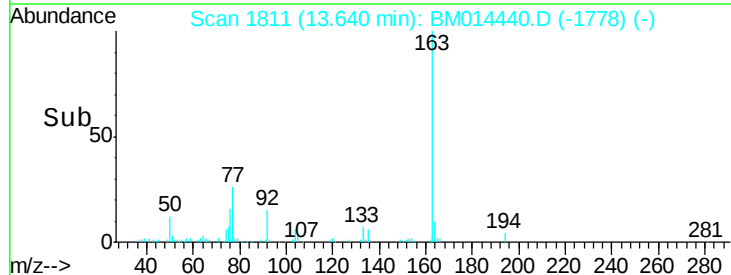
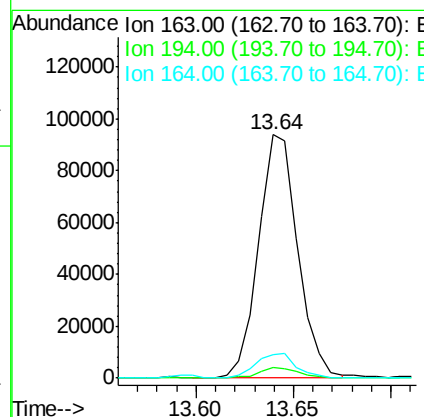
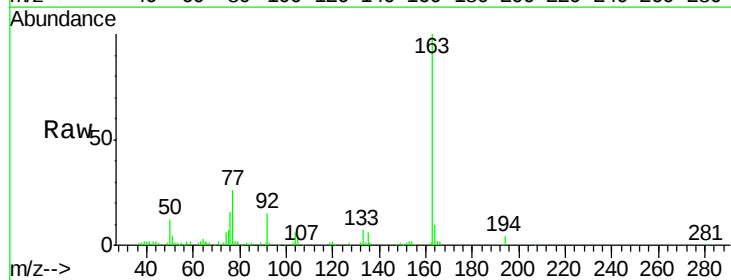
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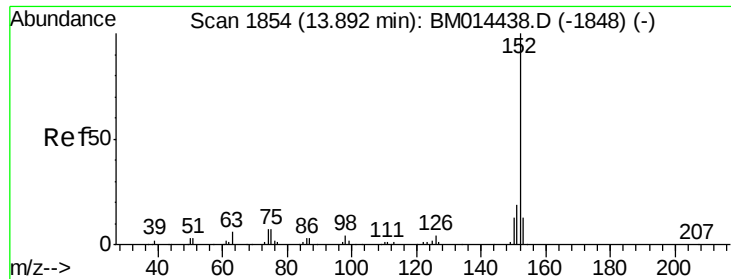
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#44
Dimethylphthalate
Concen: 6.443 ng/ul
RT: 13.64 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.6	8.2	12.4





#47

Acenaphthylene

Concen: 9.388 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Instrument :

BNA_M

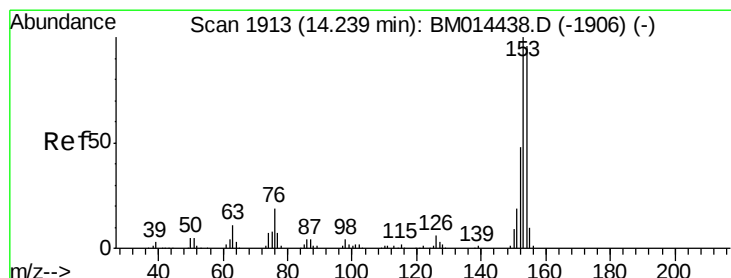
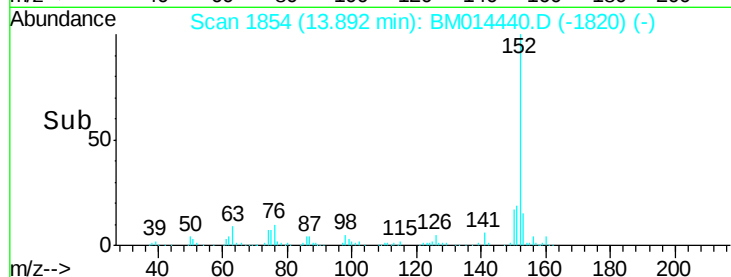
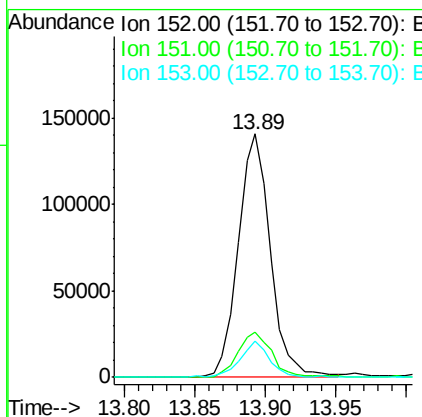
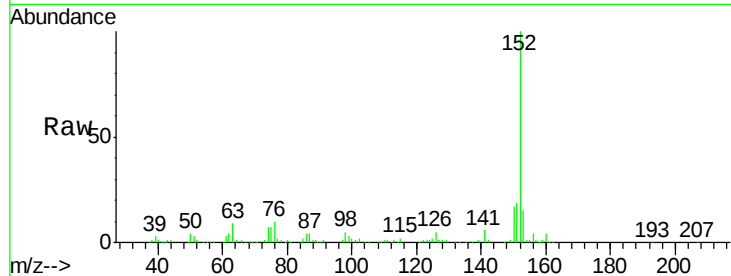
ClientSampleId :

BE5X6

Tot Ion:	152	Resp:	224809
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.3	24.5
153	15.0	10.2	15.4

Manual Integrations
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#49

Acenaphthene

Concen: 7.962 ng/ul

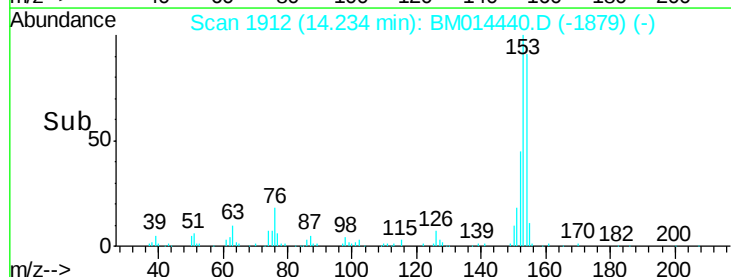
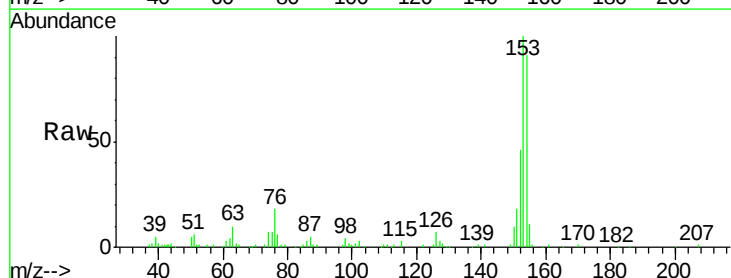
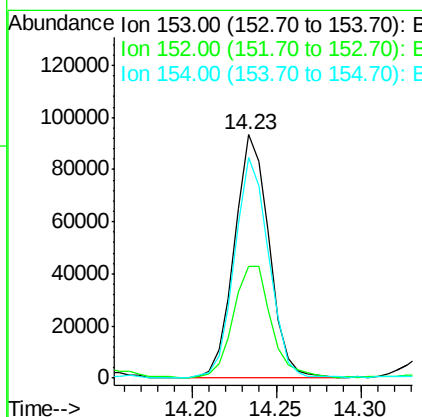
RT: 14.23 min Scan# 1912

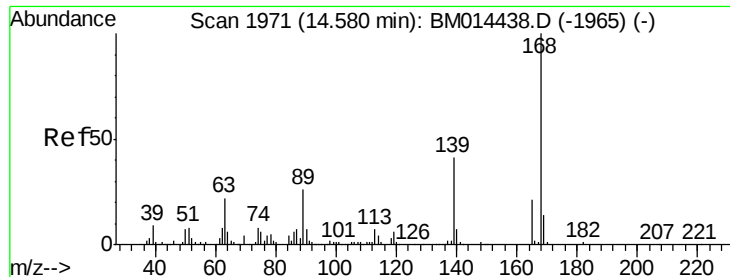
Delta R.T. -0.01 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Tgt Ion:	153	Resp:	134253
Ion Ratio	Lower	Upper	
153	100		
152	45.7	37.6	56.4
154	90.6	70.4	105.6





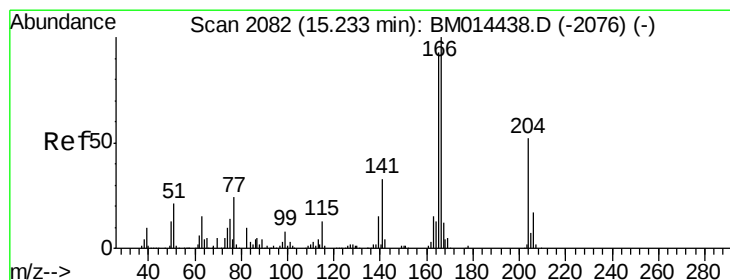
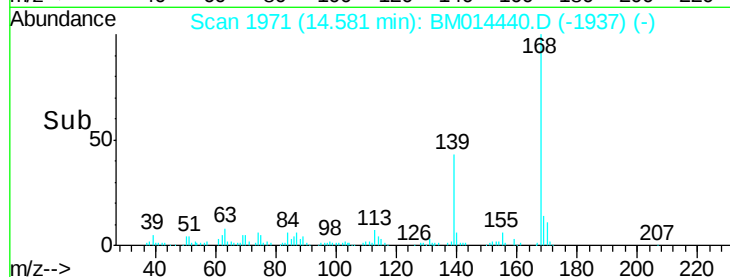
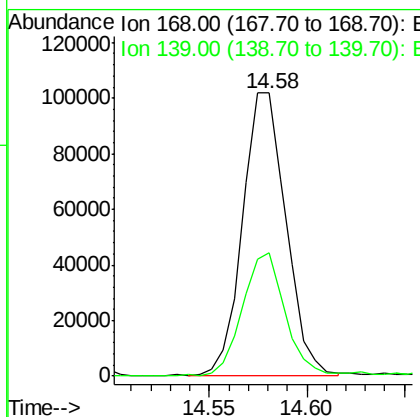
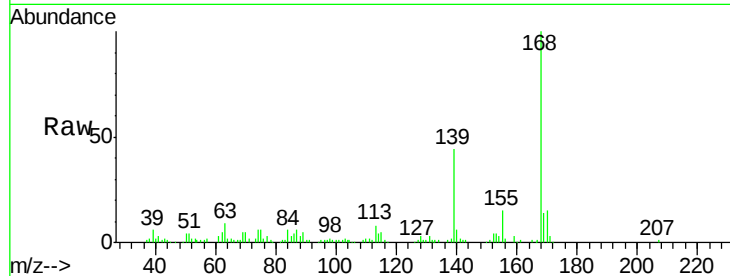
#53
Dibenzenofuran
Concen: 6.140 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Instrument :
BNA_M
ClientSampleId :
BE5X6

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.7	30.8	46.2

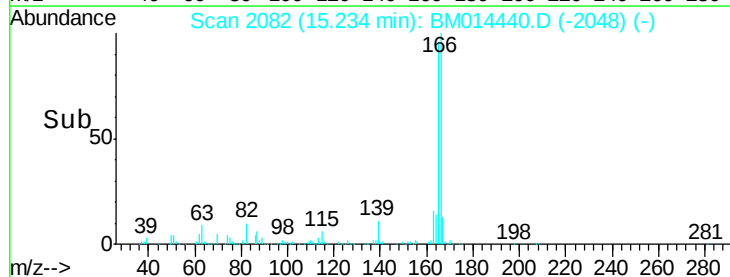
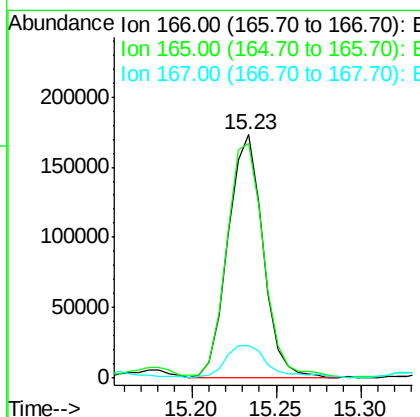
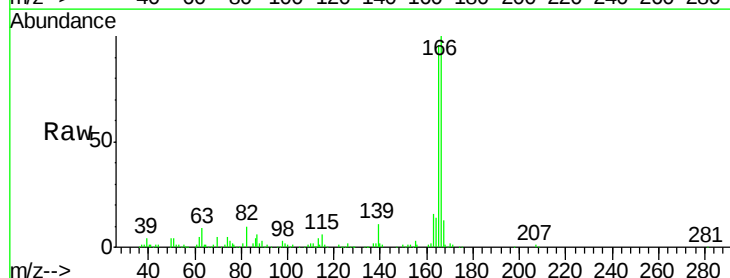
Manual Integrations
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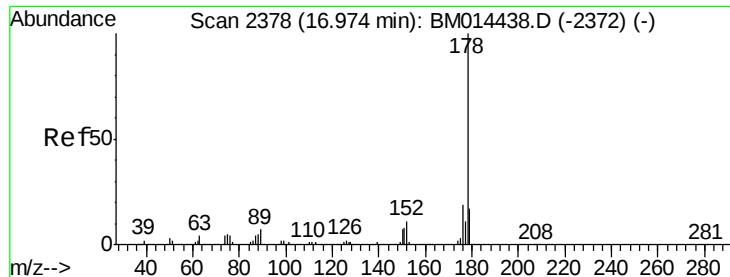
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#58
Fluorene
Concen: 11.349 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	77.9	116.9
167	13.5	10.6	16.0





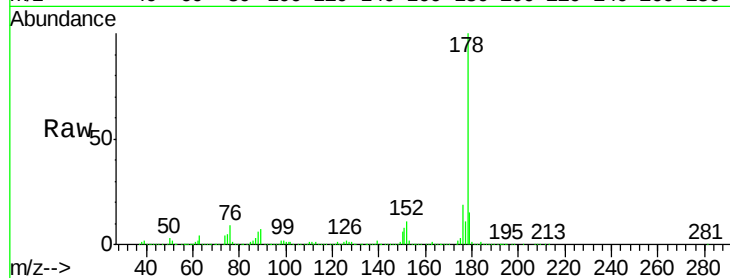
#69
Phenanthrene
Concen: 156.767 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. 0.00 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Instrument :
BNA_M
ClientSampled :
BE5X6

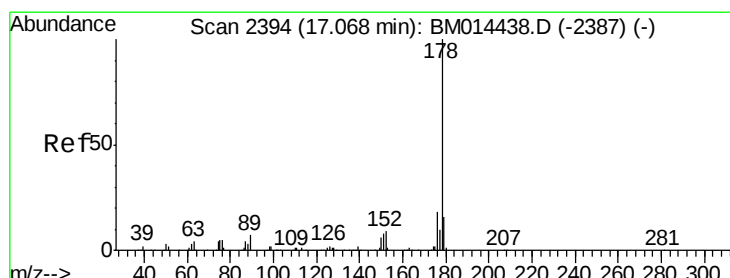
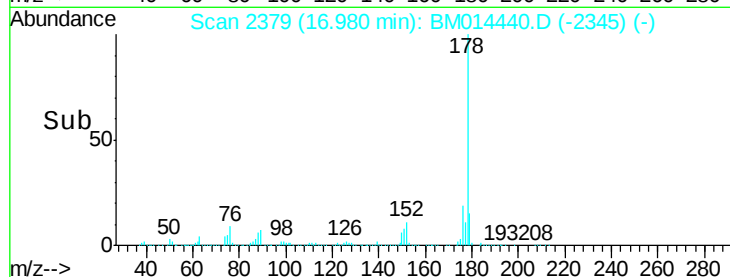
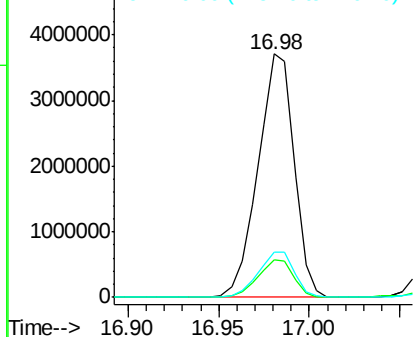
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.8	14.9	22.3

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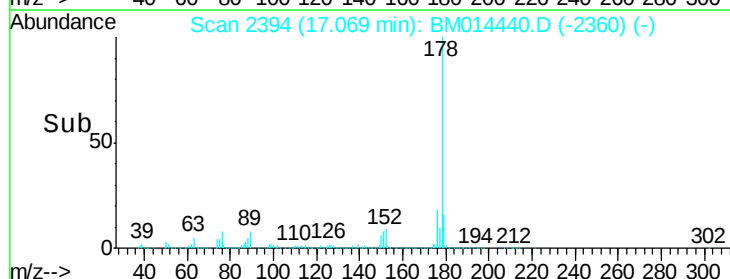
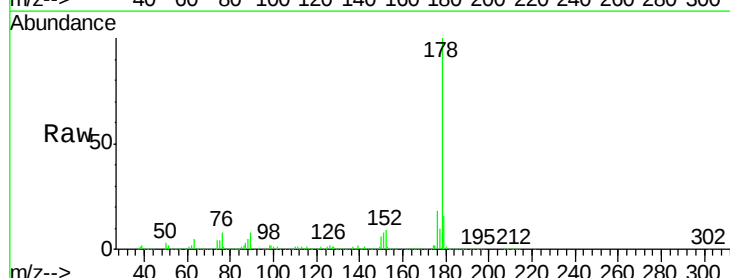
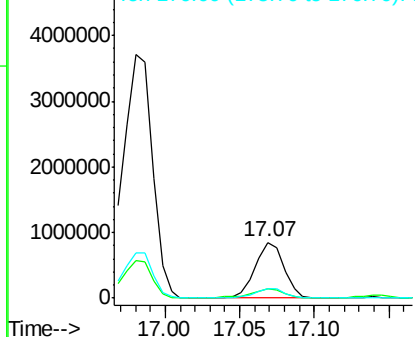
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5000000
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

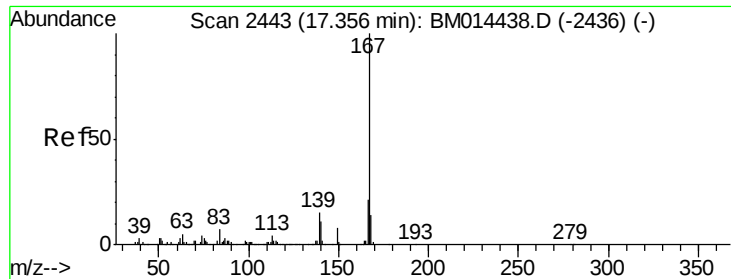


#71
Anthracene
Concen: 34.121 ng/ul
RT: 17.07 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Tgt 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
5000000
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





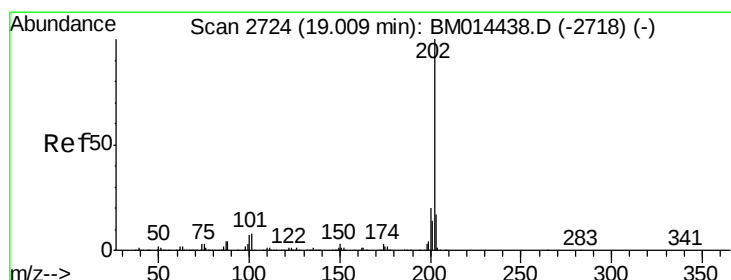
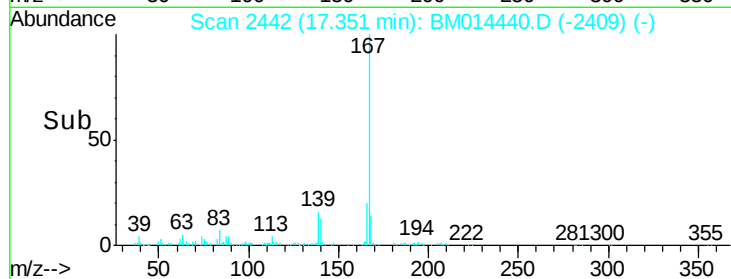
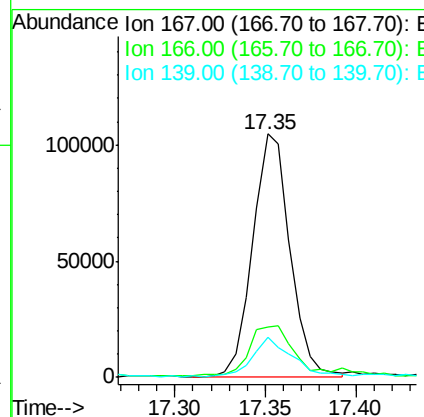
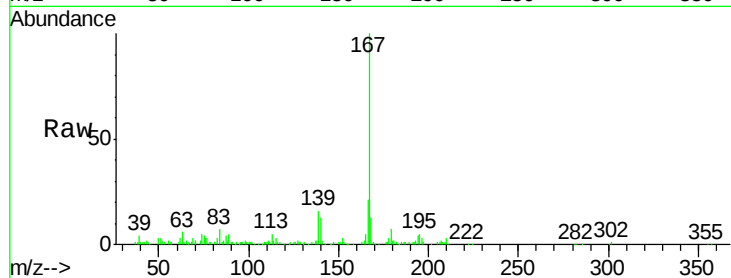
#72
 Carbazole
 Concen: 5.404 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014440.D
 Acq: 01 Mar 2018 19:34

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.1	25.7
139	16.3	10.0	15.0

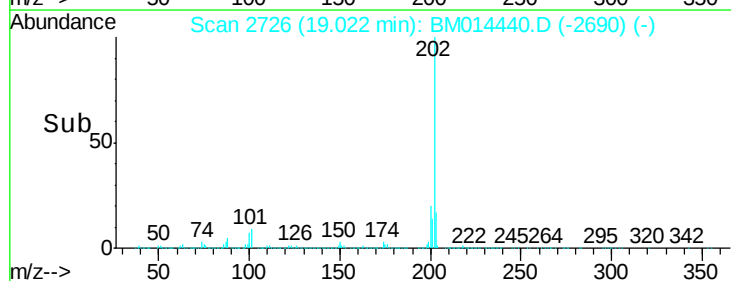
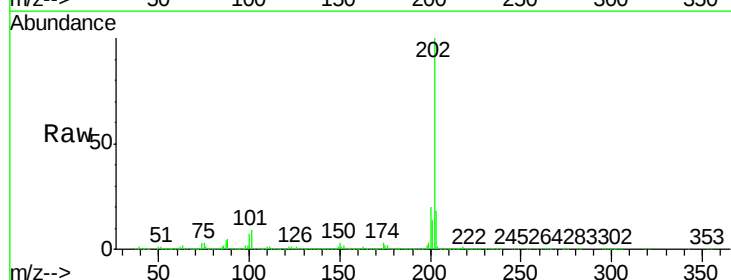
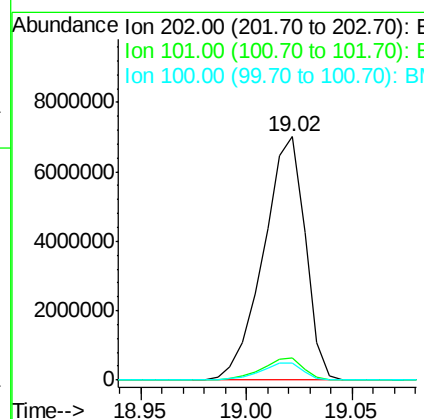
Manual Integrations
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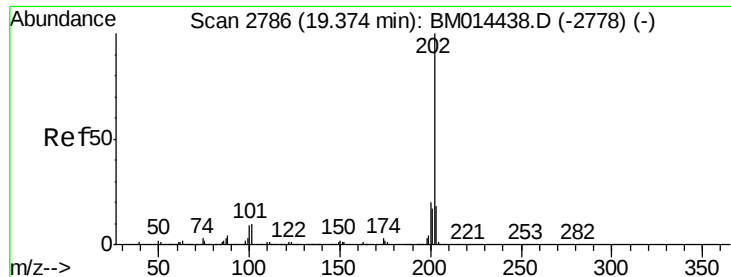
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#74
 Fluoranthene
 Concen: 247.370 ng/ul
 RT: 19.02 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BM014440.D
 Acq: 01 Mar 2018 19:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	4.6	7.0
100	7.1	3.4	5.2





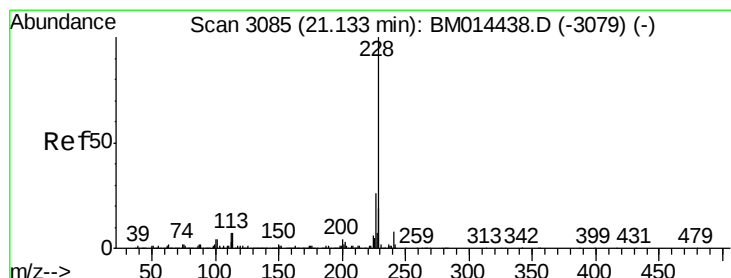
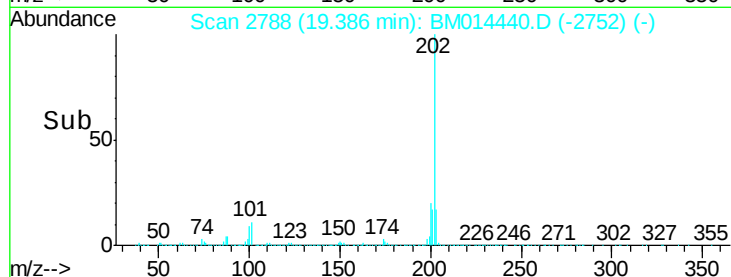
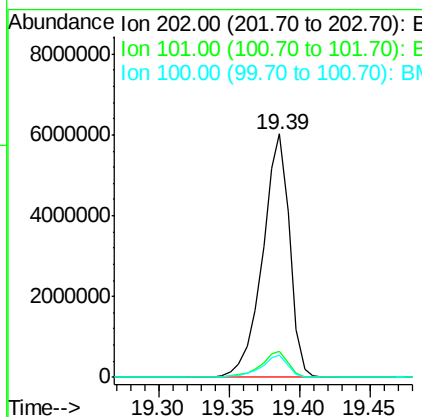
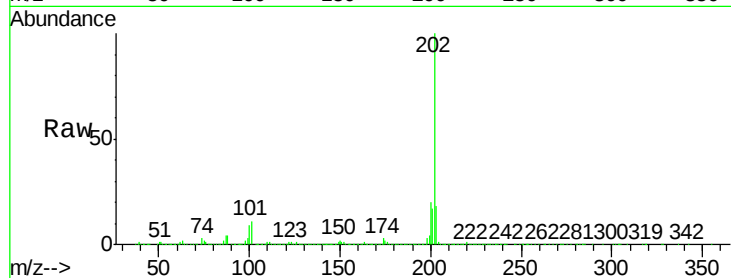
#77
Pvrene
Concen: 163.639 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Instrument :
BNA_M
ClientSampleId :
BE5X6

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	5.1	7.7#
100	9.2	4.9	7.3#

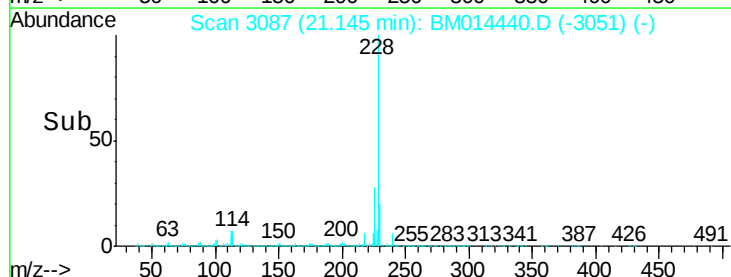
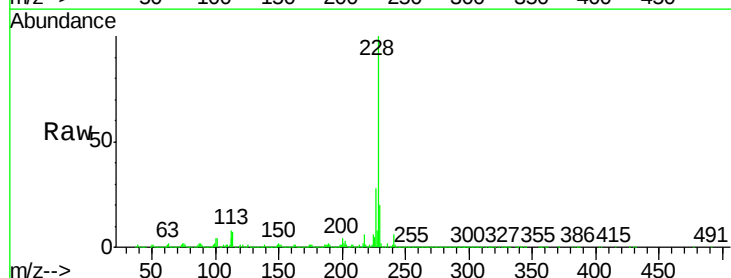
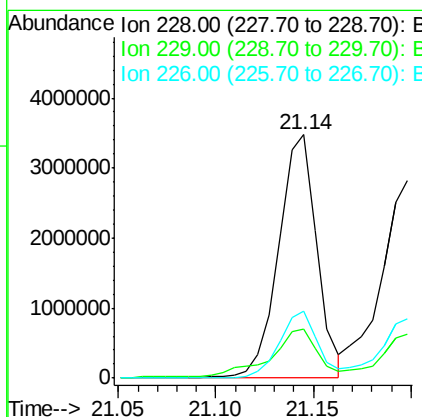
Manual Integrations
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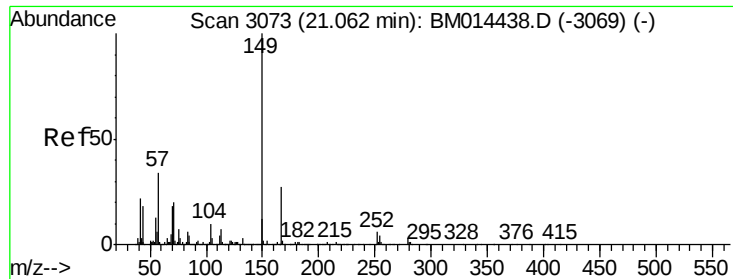
Sohil
3/2/2018 3:31:57 PM



#80
Benzo(a)anthracene
Concen: 100.678 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014440.D
Acq: 01 Mar 2018 19:34

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	27.7	21.4	32.0





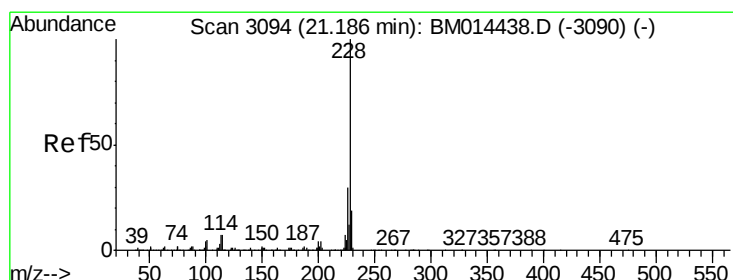
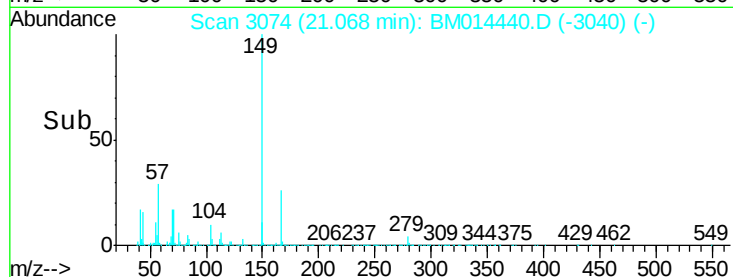
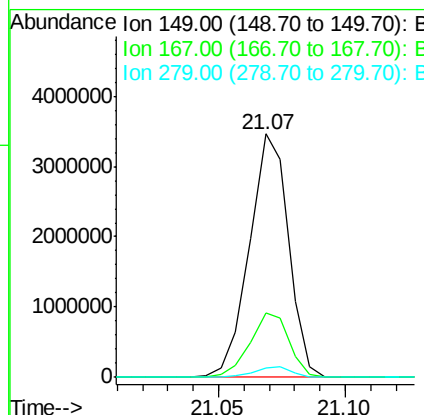
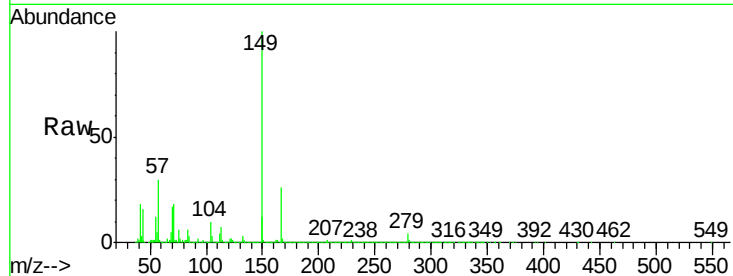
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 127.108 ng/ul
 RT: 21.07 min Scan# 3074
 Delta R.T. 0.00 min
 Lab File: BM014440.D
 Acq: 01 Mar 2018 19:34

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6

Tot Ion:149 Resp: 3720669
 Ion Ratio Lower Upper
 149 100
 167 26.3 22.8 34.2
 279 3.9 4.9 7.3#

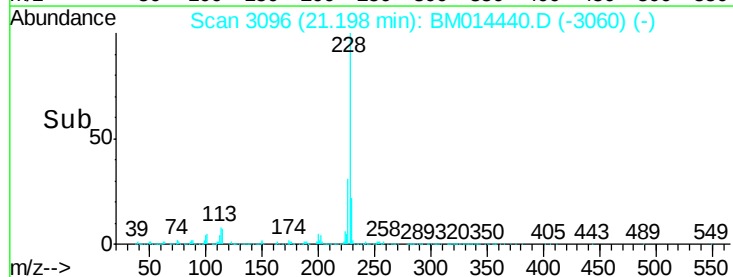
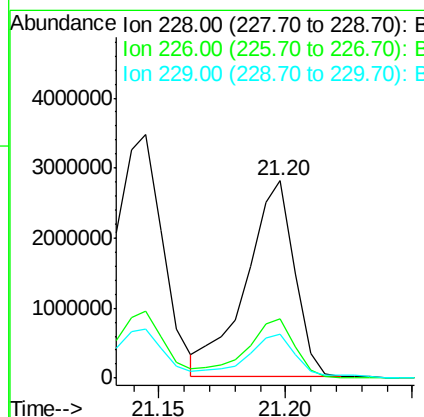
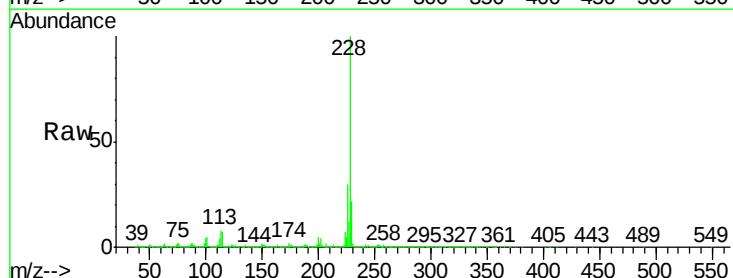
Manual Integrations
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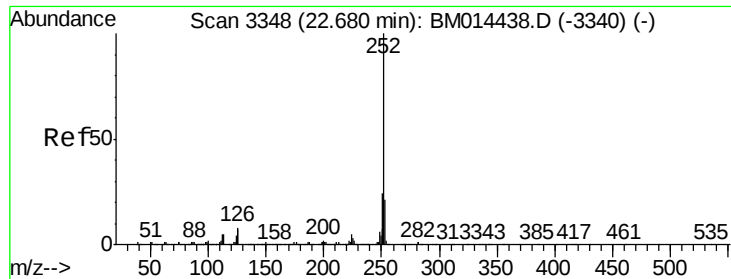
Sohil
 3/2/2018 3:31:57 PM



#82
 Chrysene
 Concen: 86.143 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM014440.D
 Acq: 01 Mar 2018 19:34

Tgt Ion:228 Resp: 3730389
 Ion Ratio Lower Upper
 228 100
 226 30.2 23.4 35.2
 229 22.3 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 107.535 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.02 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Instrument :

BNA_M

ClientSampleId :

BE5X6

Tot Ion:252 Resp: 4404937

Ion Ratio Lower Upper

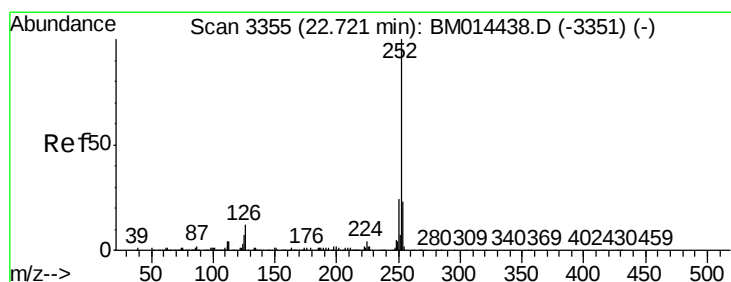
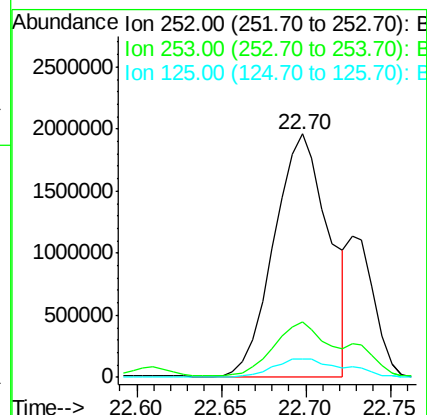
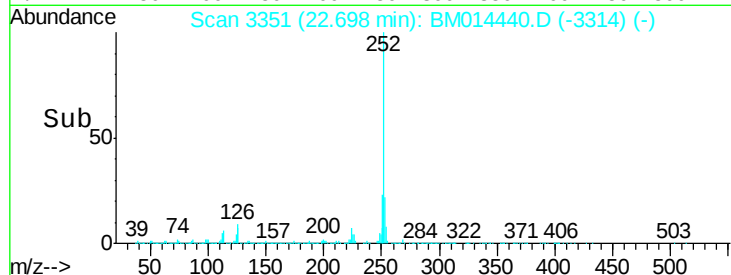
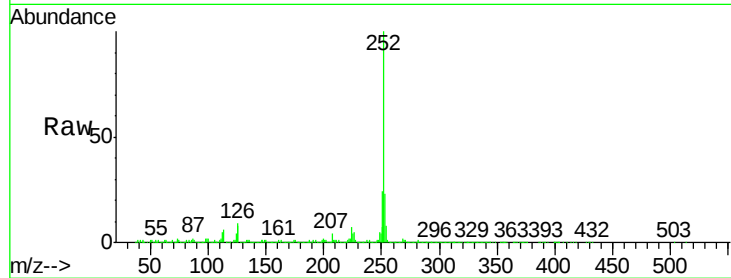
252 100

253 22.6 17.9 26.9

125 7.5 3.6 5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 31.494 ng/ul m

RT: 22.73 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

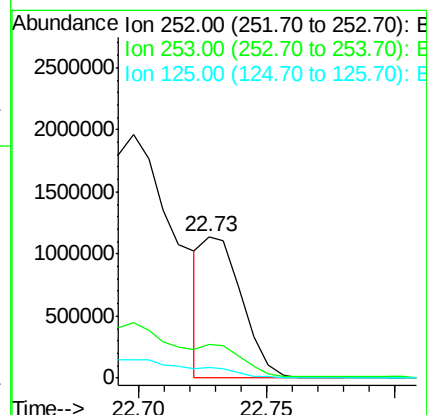
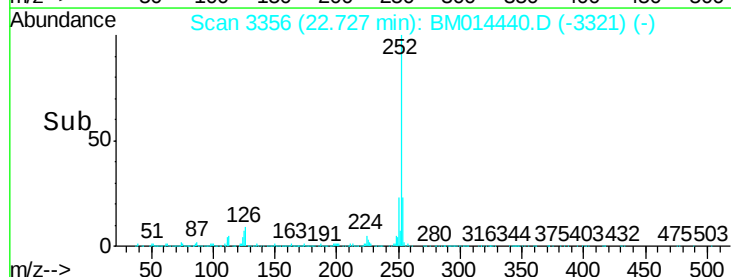
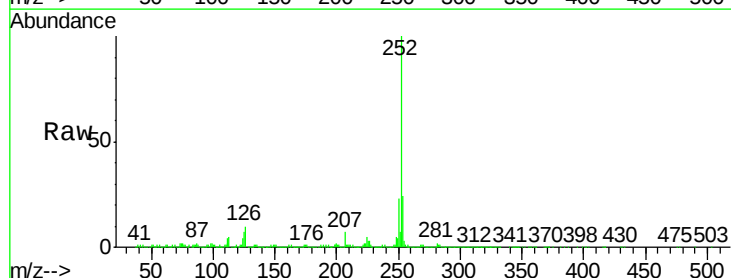
Tgt Ion:252 Resp: 1226581

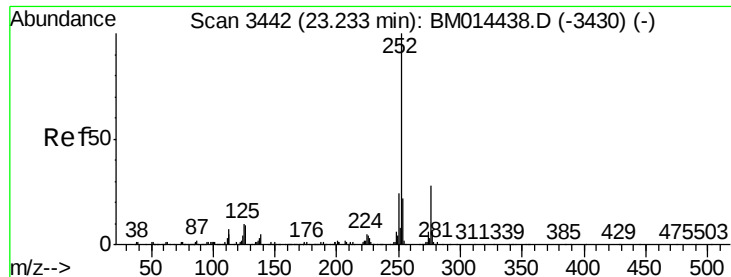
Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 7.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 78.406 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Instrument :

BNA_M

ClientSampled :

BE5X6

Tot Ion:252 Resp: 2870003

Ion Ratio Lower Upper

252 100

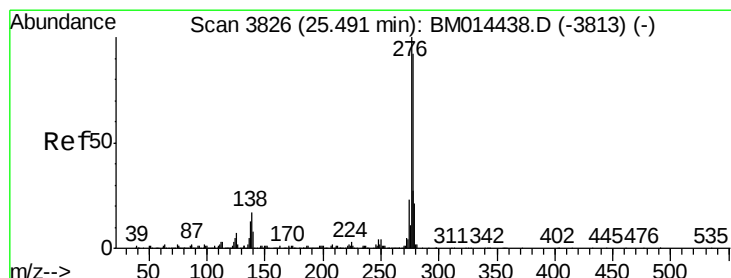
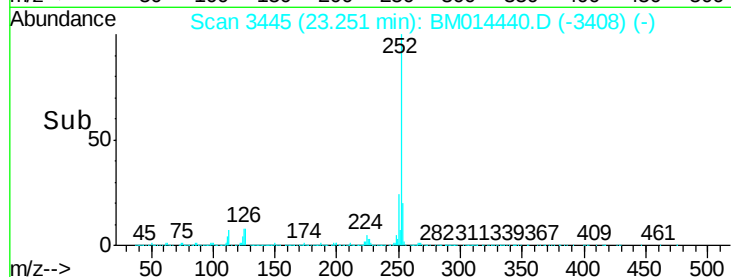
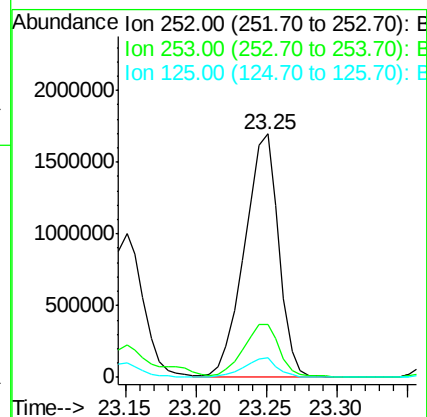
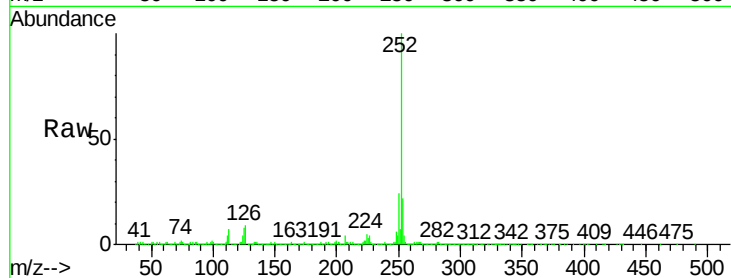
253 22.0 18.2 27.2

125 8.0 4.0 6.0#

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 38.836 ng/ul

RT: 25.51 min Scan# 3829

Delta R.T. 0.02 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

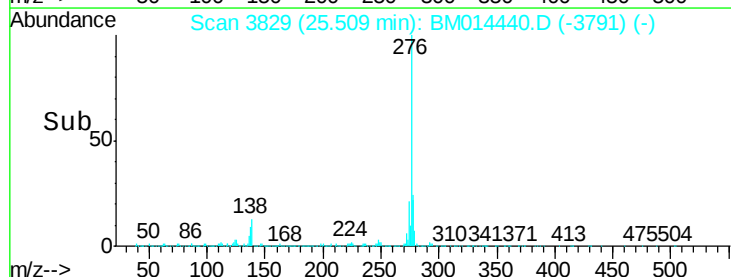
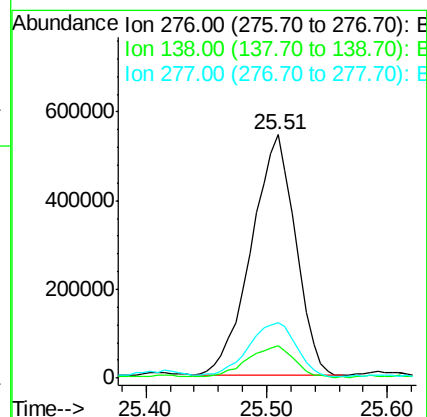
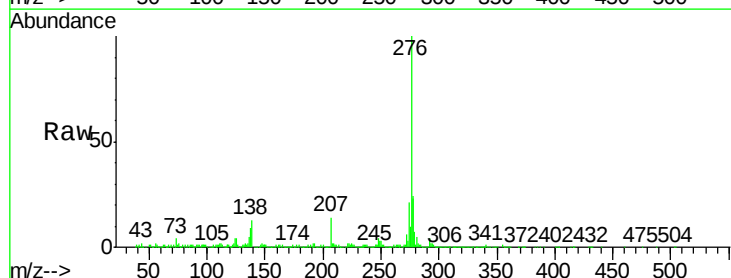
Tgt Ion:276 Resp: 1379469

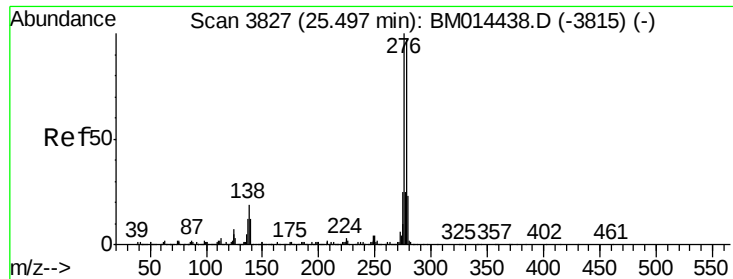
Ion Ratio Lower Upper

276 100

138 13.1 9.3 13.9

277 22.8 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 14.780 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Instrument :

BNA_M

ClientSampleId :

BE5X6

Tot Ion:278 Resp: 436239

Ion Ratio Lower Upper

278 100

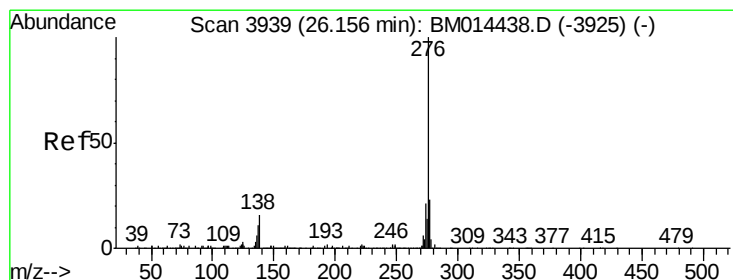
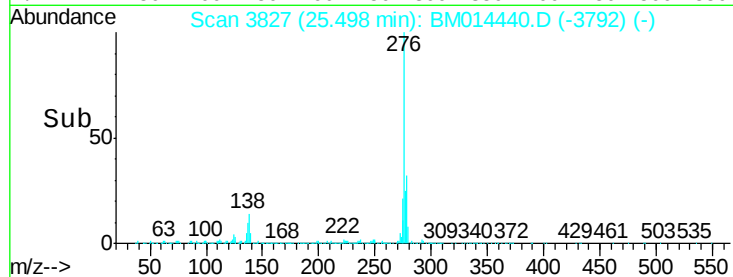
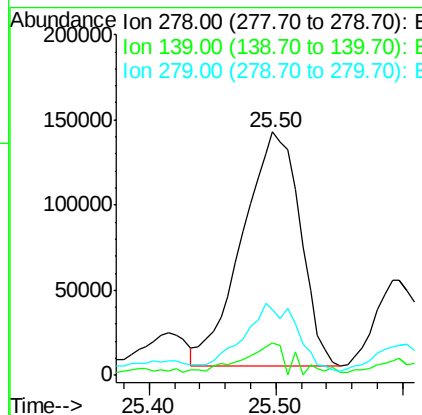
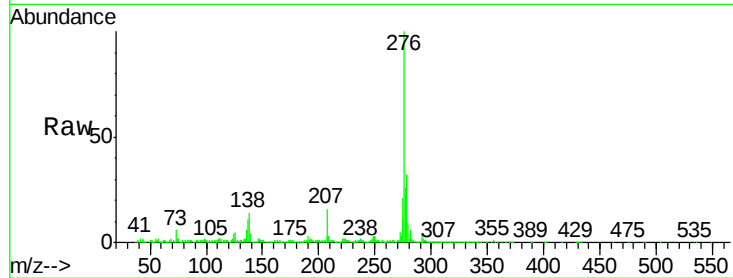
139 13.5 5.8 8.8#

279 27.0 18.6 27.8

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 34.632 ng/ul

RT: 26.17 min Scan# 3942

Delta R.T. 0.02 min

Lab File: BM014440.D

Acq: 01 Mar 2018 19:34

Tgt Ion:276 Resp: 996518

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 23.9 18.6 28.0

