

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014420.D
 Acq On : 01 Mar 2018 02:45
 Operator : SJ/JU
 Sample : J1646-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:15:31 PM

Quant Time: Mar 01 03:23:10 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	7.52	152	103800	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	483016	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	312109	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	742072	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	871245	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	765224	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	12169m	5.02	ng/uL	0.00
5) Phenol-d5	6.72	99	276804	31.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	171831	32.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	222828	33.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	208879	27.21	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	121586	34.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	138625	37.52	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	239836	31.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	202584	26.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	899590	34.90	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1110524	34.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	107678	30.26	ng/ul	0.00
57) Fluorene-d10	15.17	176	774010	33.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	113984	25.61	ng/ul	0.00
70) Anthracene-d10	17.03	188	1235645	34.51	ng/ul	0.00
76) Pyrene-d10	19.34	212	1453192	32.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1285195	34.51	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	87197	3.515	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	33600	1.779	ng/ul	99
44) Dimethylphthalate	13.65	163	212905	8.377	ng/ul#	96
47) Acenaphthylene	13.89	152	163642	5.447	ng/ul#	95
49) Acenaphthene	14.24	153	156125	7.381	ng/ul	99
53) Dibenzofuran	14.58	168	160742	5.068	ng/ul	98
58) Fluorene	15.23	166	173509	6.337	ng/ul#	91
69) Phenanthrene	16.98	178	4351631	101.780	ng/ul	99
71) Anthracene	17.07	178	643691	14.970	ng/ul	99
72) Carbazole	17.35	167	256505	7.094	ng/ul	97
74) Fluoranthene	19.02	202	6097322	119.366	ng/ul#	91
77) Pyrene	19.38	202	5581972	96.406	ng/ul#	89
80) Benzo(a)anthracene	21.14	228	2479387	45.598	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	39382	1.149	ng/ul	95
82) Chrysene	21.19	228	2377660	46.874	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	2458995	47.992	ng/ul#	97
86) Benzo(k)fluoranthene	22.72	252	816896m	16.769	ng/ul	
88) Benzo(a)pyrene	23.24	252	1764933	38.547	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.49	276	871181	19.608	ng/ul	97
90) Dibenzo(a,h)anthracene	25.49	278	253721	6.873	ng/ul#	86
91) Benzo(a,h,i)perylene	26.15	276	658761	18.303	ng/ul#	97

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

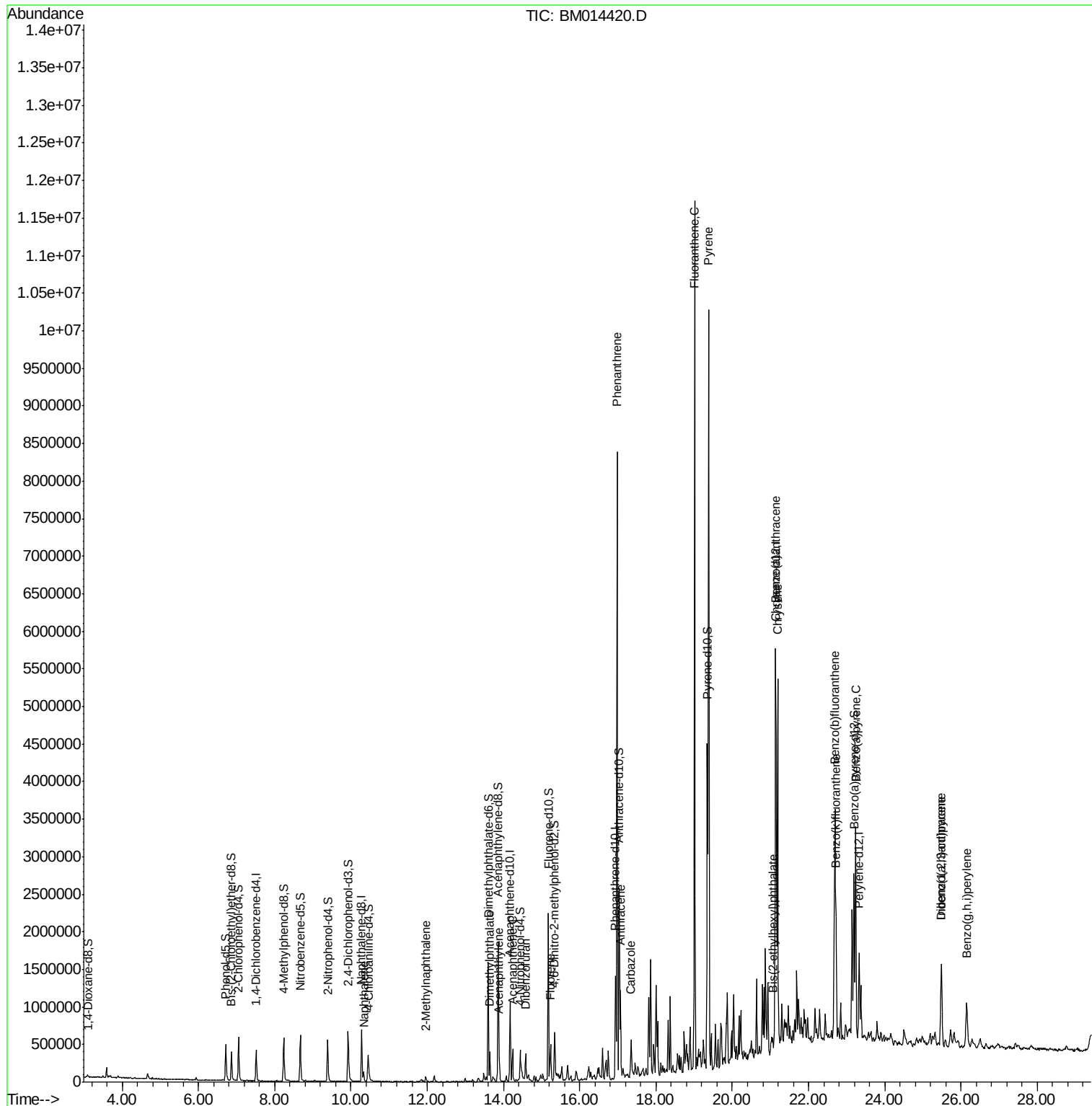
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
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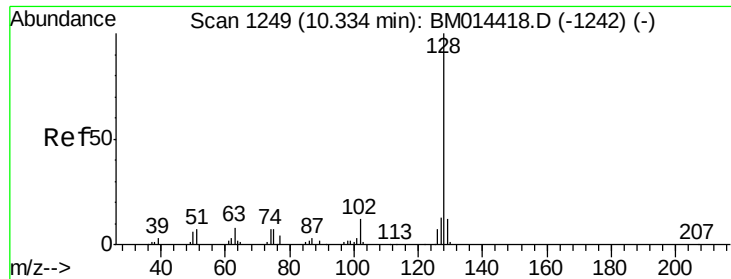
Instrument :
BNA_M
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BE5X3

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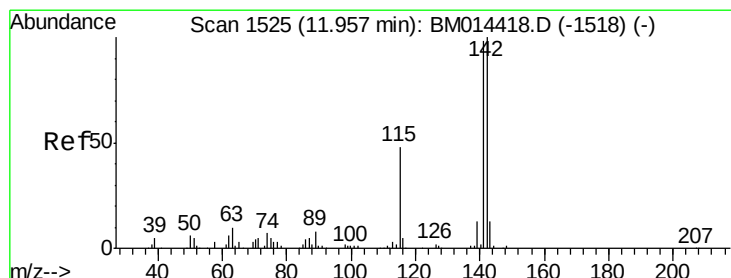
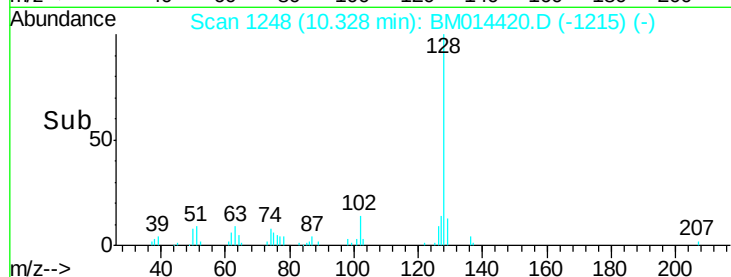
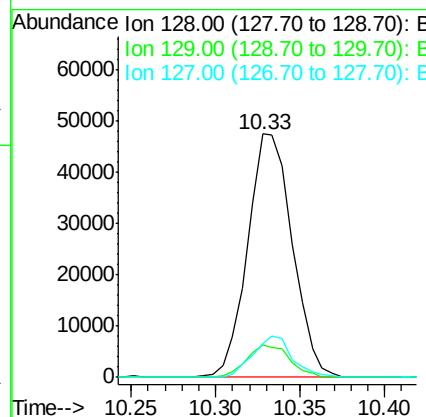
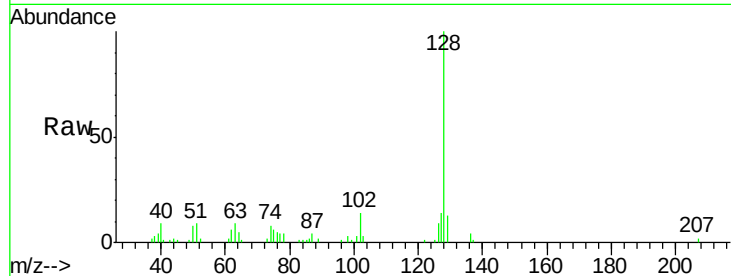
#28
Naphthalene
Concen: 3.515 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Instrument :
BNA_M
ClientSampleId :
BE5X3

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.2	8.8	13.2
127	13.8	10.6	16.0

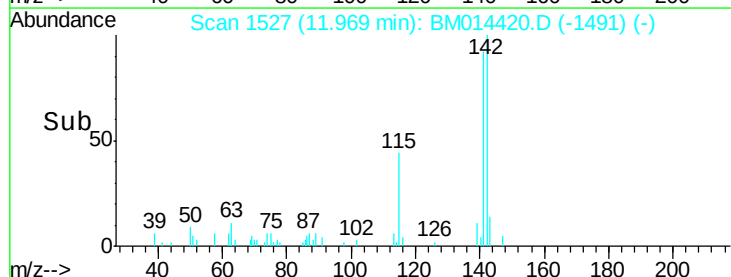
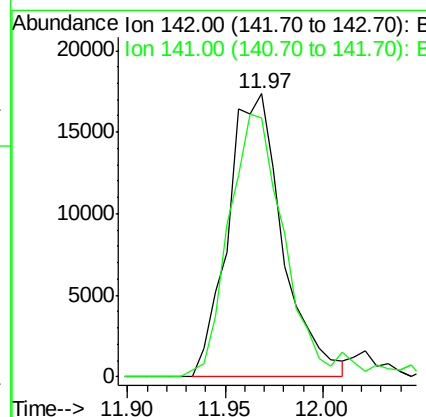
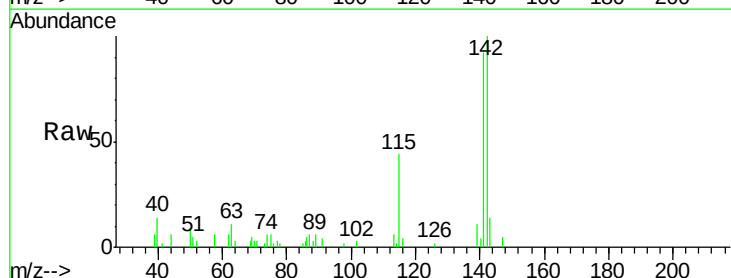
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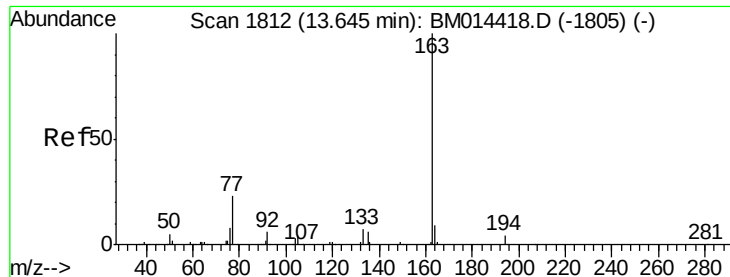
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#34
2-Methylnaphthalene
Concen: 1.779 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	74.1	111.1





#44

Dimethylphthalate

Concen: 8.377 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

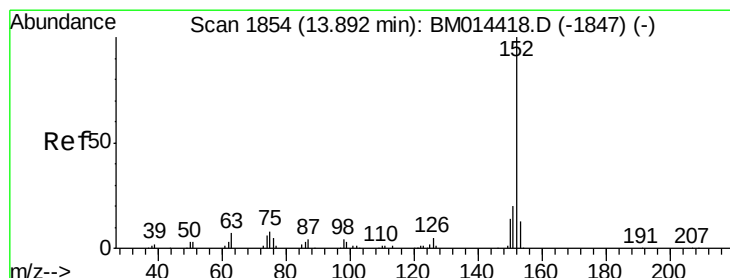
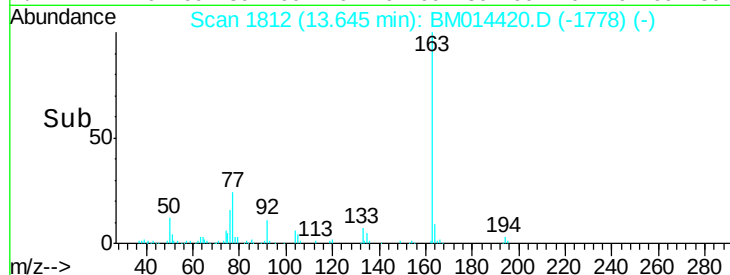
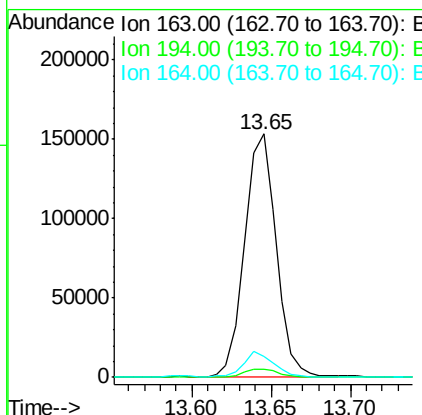
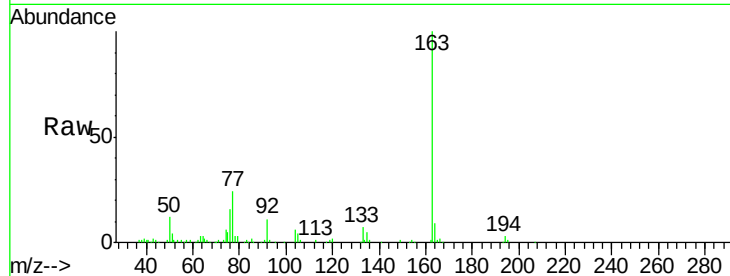
ClientSampleId :

BE5X3

Tot Ion:	163	Resp:	212905
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.5	5.3#
164	8.6	8.2	12.4

Manual Integrations
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#47

Acenaphthylene

Concen: 5.447 ng/ul

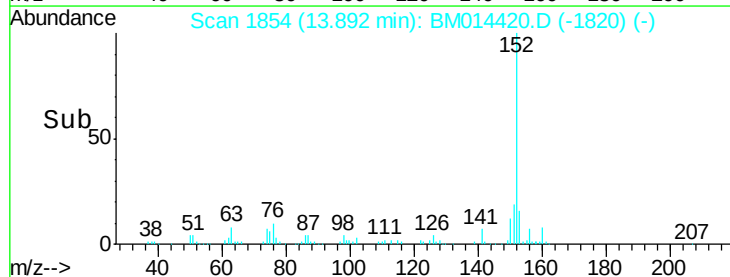
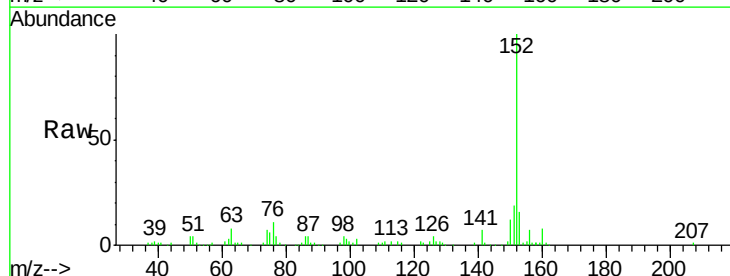
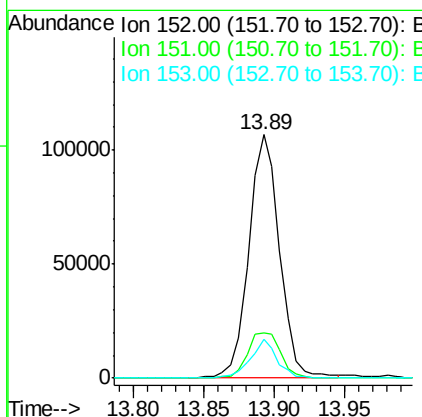
RT: 13.89 min Scan# 1854

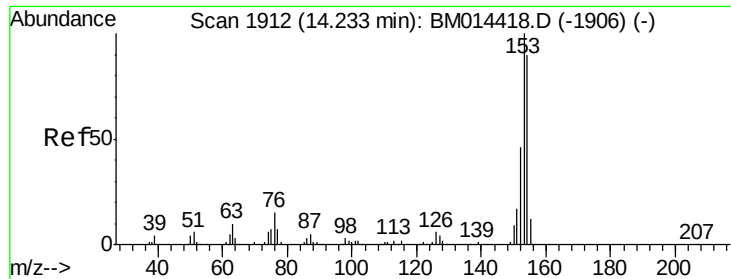
Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Tgt Ion:	152	Resp:	163642
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.3	24.5
153	15.7	10.2	15.4#





#49

Acenaphthene

Concen: 7.381 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

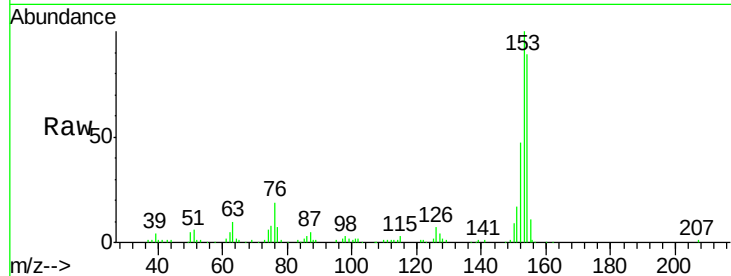
ClientSampled :

BE5X3

Tot Ion	Ratio	Lower	Upper
153	100		
152	47.4	37.6	56.4
154	89.3	70.4	105.6

Manual Integrations
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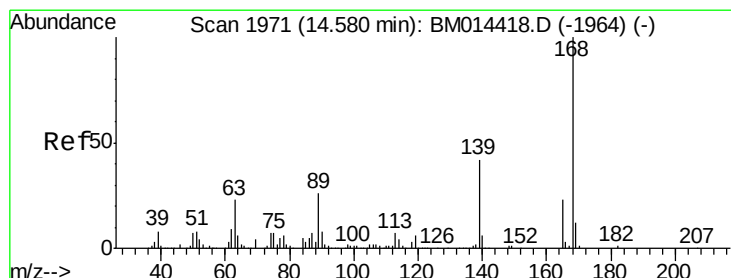
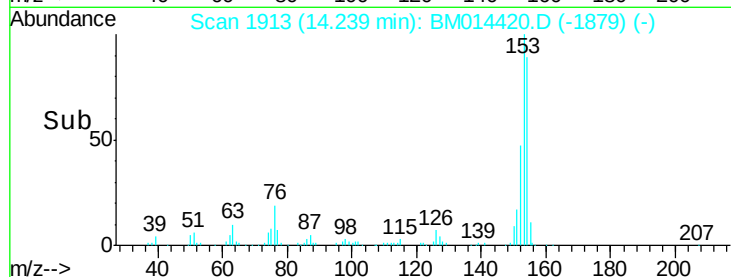
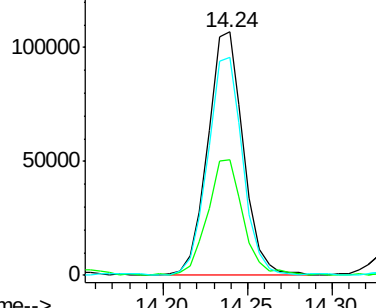
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 5.068 ng/ul

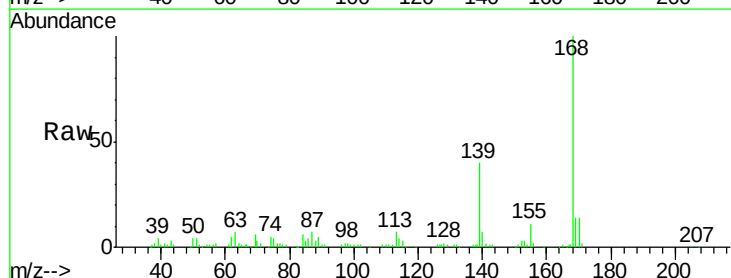
RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014420.D

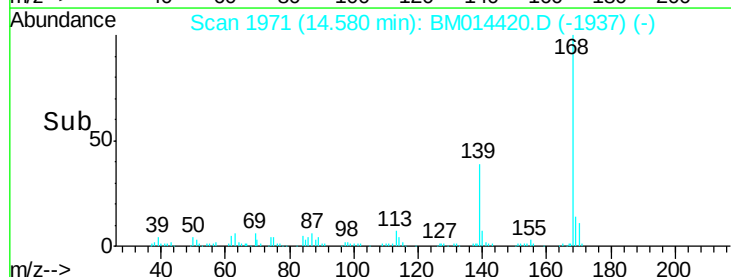
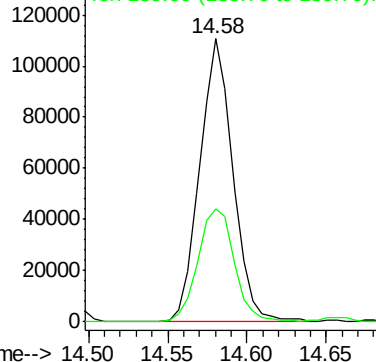
Acq: 01 Mar 2018 02:45

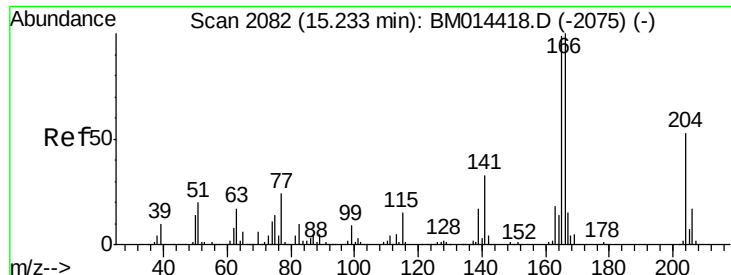
Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.0	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





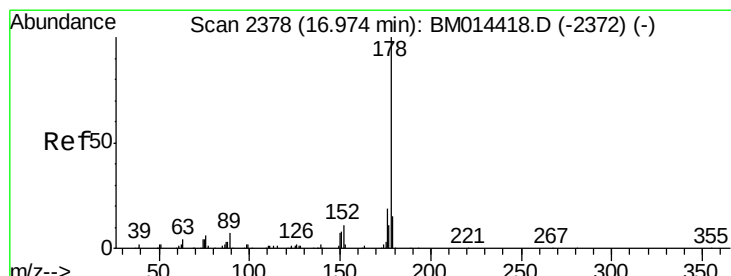
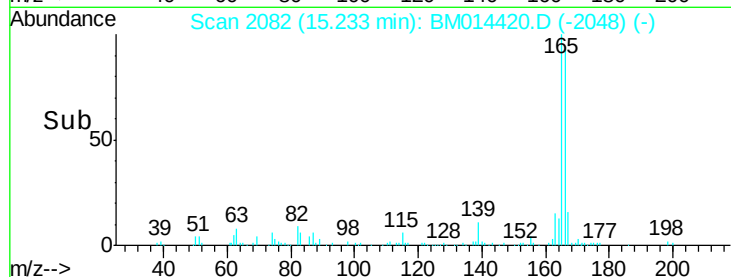
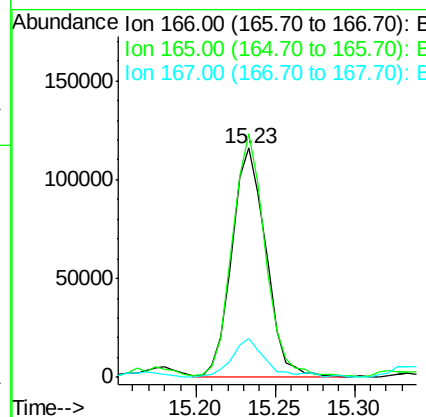
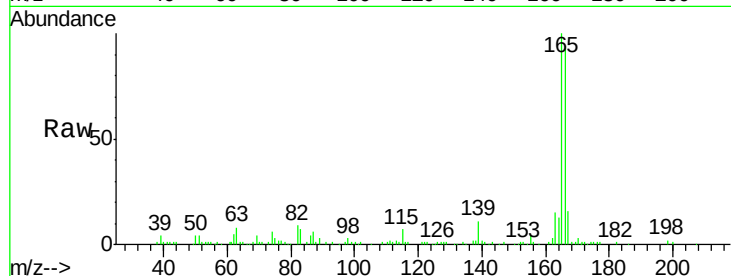
#58
 Fluorene
 Concen: 6.337 ng/ul
 RT: 15.23 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM014420.D
 Acq: 01 Mar 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	106.2	77.9	116.9		
167	16.9	10.6	16.0#		

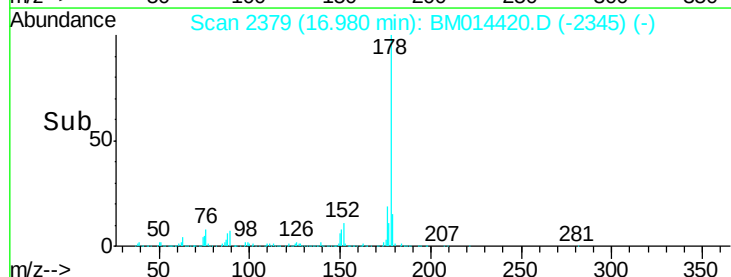
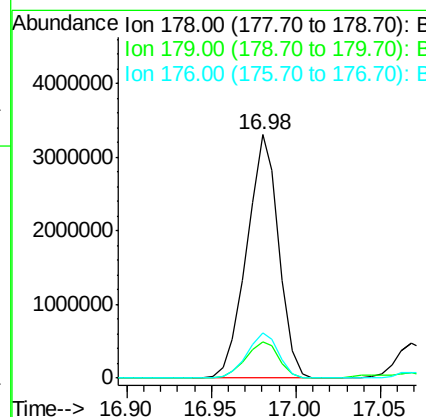
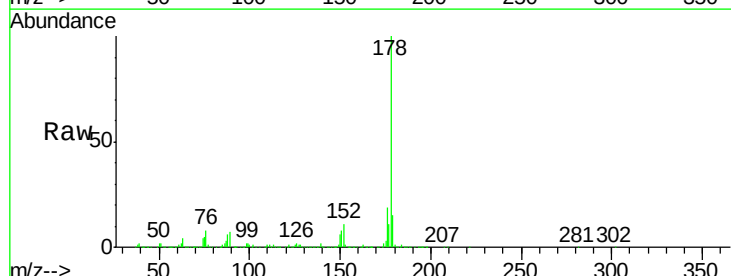
Manual Integrations
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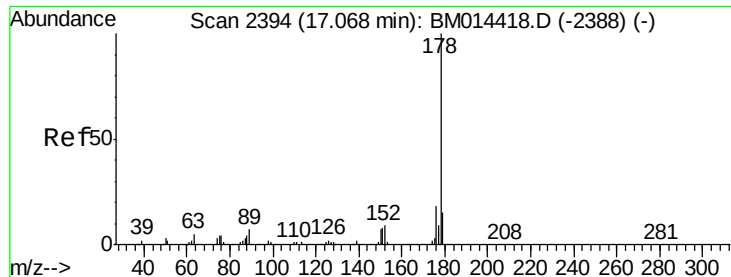
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 3/1/2018 5:15:31 PM



#69
 Phenanthrene
 Concen: 101.780 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. 0.00 min
 Lab File: BM014420.D
 Acq: 01 Mar 2018 02:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
179	14.7	12.6	19.0		
176	18.6	14.9	22.3		





#71

Anthracene

Concen: 14.970 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

Tot Ion:178 Resp: 643691

Ion Ratio Lower Upper

178 100

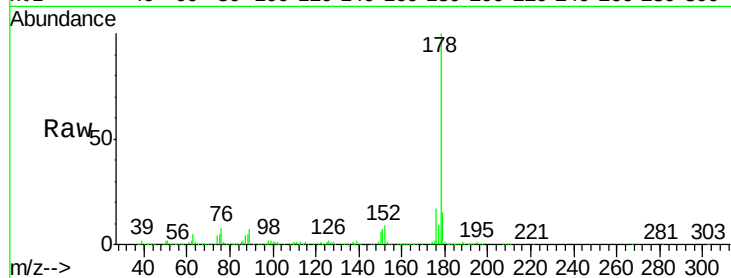
179 14.8 11.7 17.5

176 17.3 14.6 21.8

Manual Integrations
APPROVED

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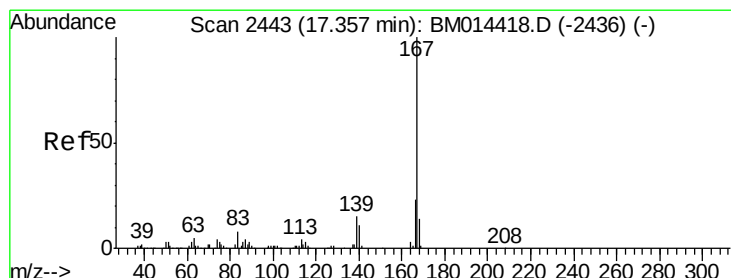
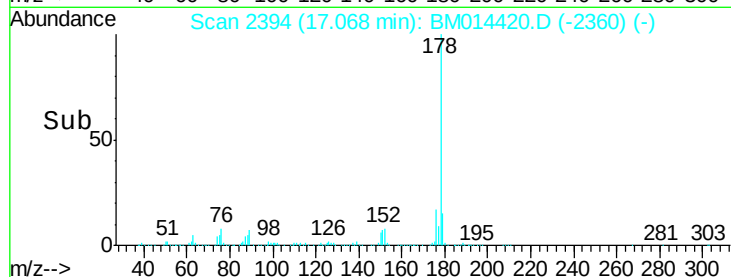
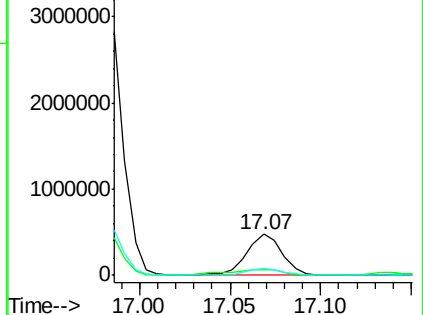
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 7.094 ng/ul

RT: 17.35 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

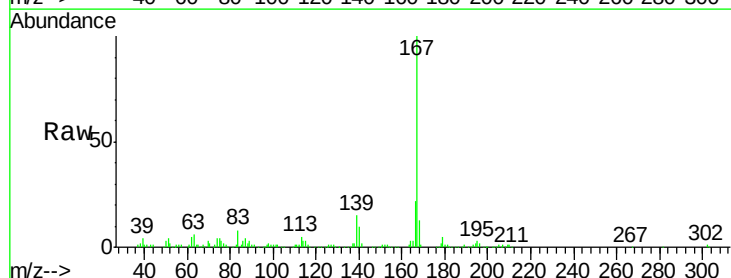
Tgt Ion:167 Resp: 256505

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

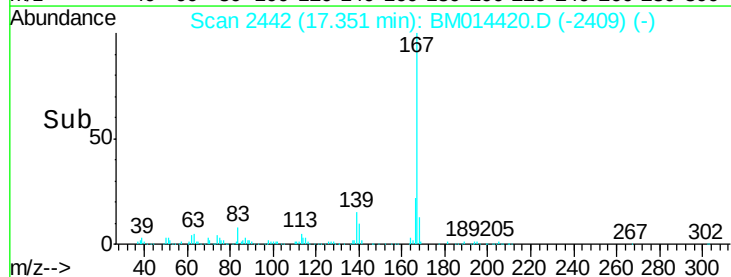
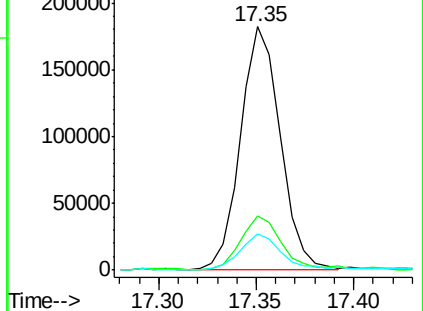
139 14.8 10.0 15.0

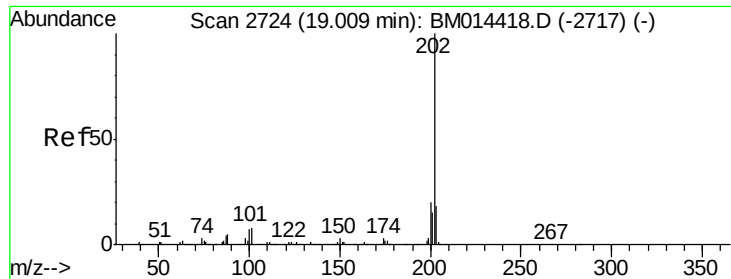


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 119.366 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampleId :

BE5X3

Tot Ion:202 Resp: 6097322

Ion Ratio Lower Upper

202 100

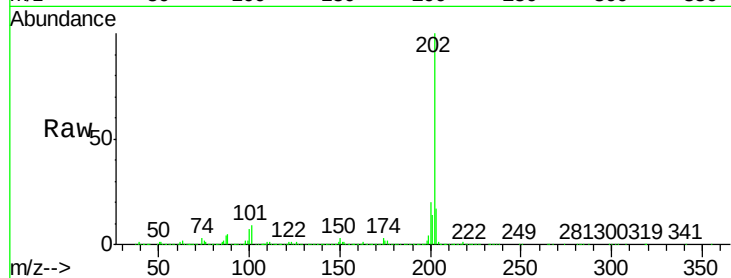
101 9.0 4.6 7.0#

100 7.4 3.4 5.2#

Manual Integrations
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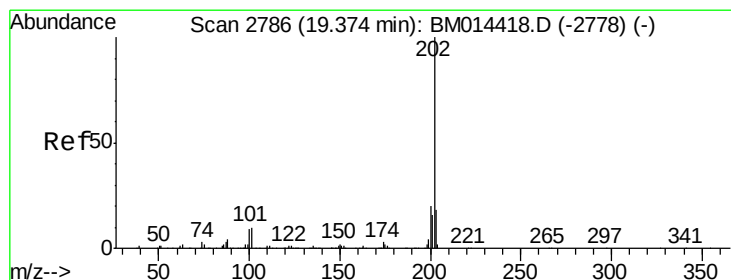
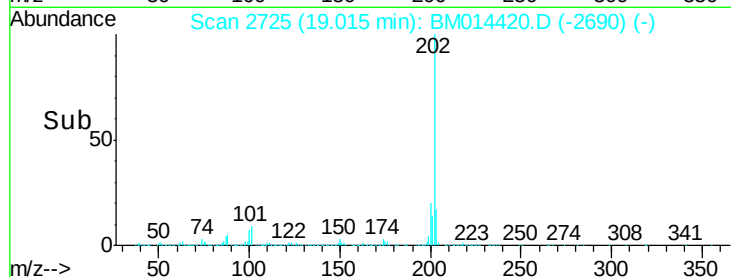
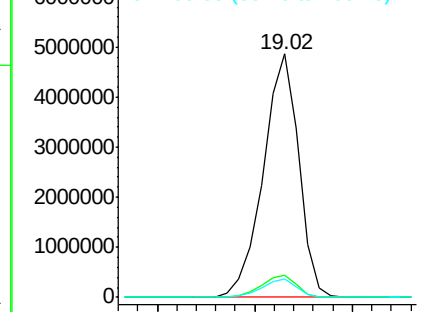
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 96.406 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

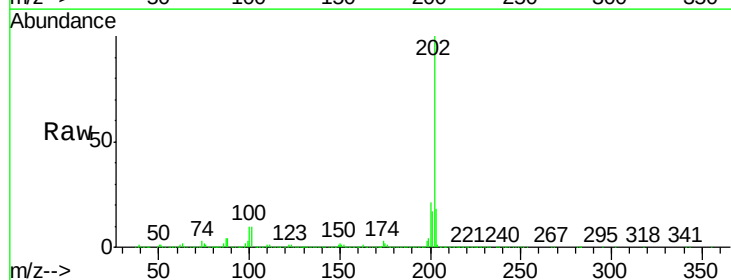
Tgt Ion:202 Resp: 5581972

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

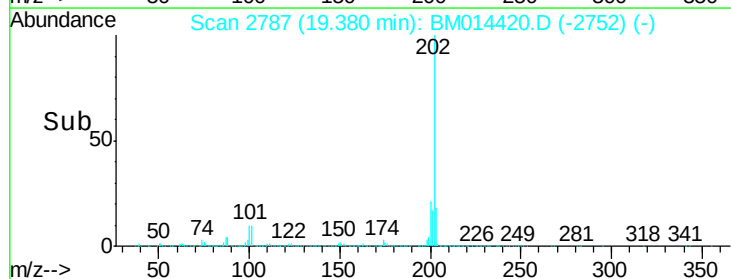
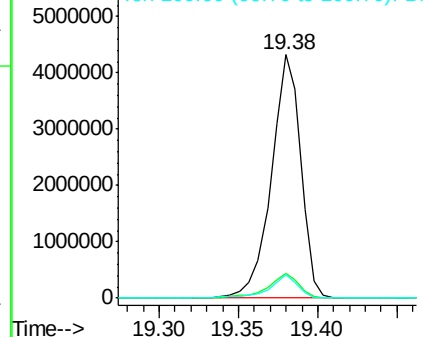
100 9.5 4.9 7.3#

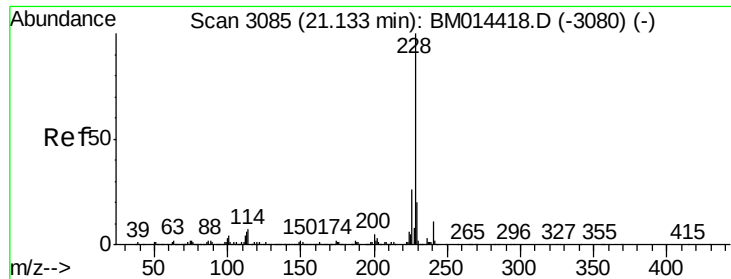


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 45.598 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampled :

BE5X3

Tot Ion:228 Resp: 2479387

Ion Ratio Lower Upper

228 100

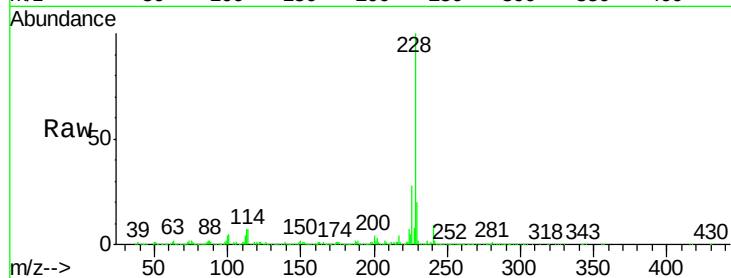
229 20.4 15.4 23.0

226 28.0 21.4 32.0

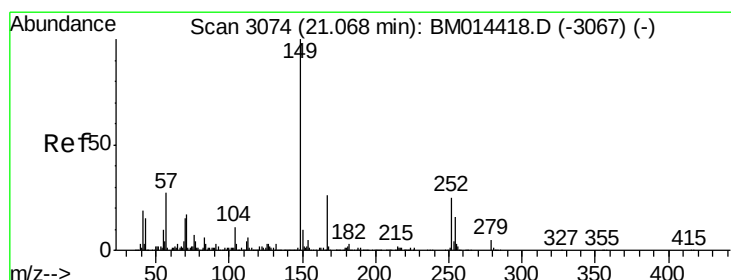
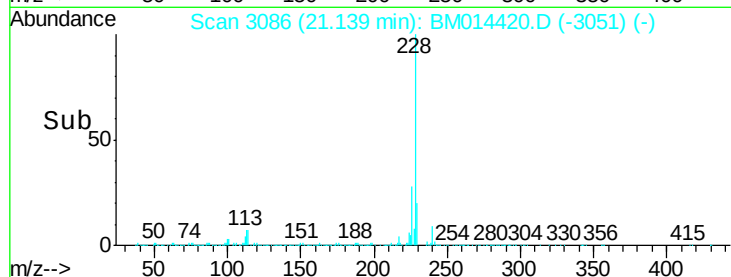
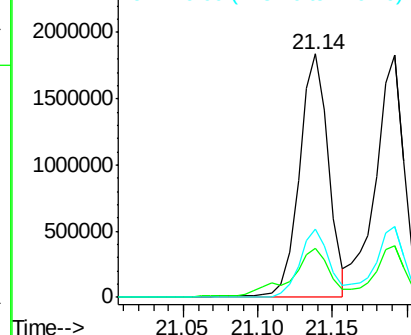
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Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.149 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

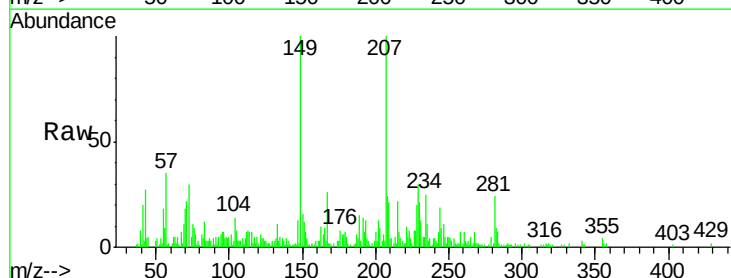
Tgt Ion:149 Resp: 39382

Ion Ratio Lower Upper

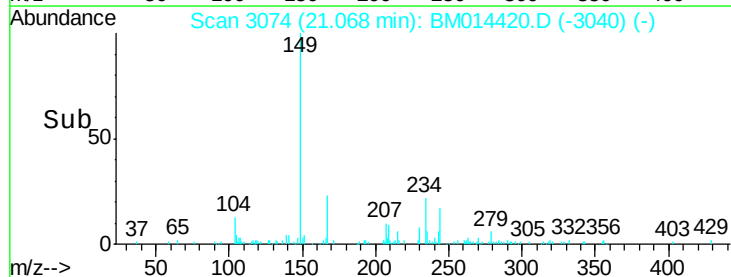
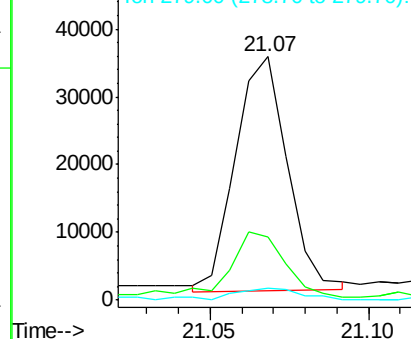
149 100

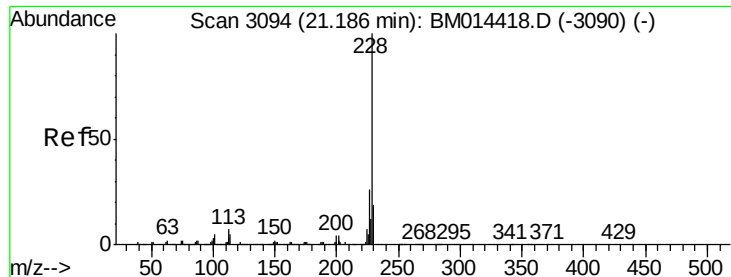
167 25.8 22.8 34.2

279 5.1 4.9 7.3



Abundance Ion 149.00 (148.70 to 149.70): E
50000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 46.874 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

Instrument :

BNA_M

ClientSampled :

BE5X3

Tot Ion:228 Resp: 2377660

Ion Ratio Lower Upper

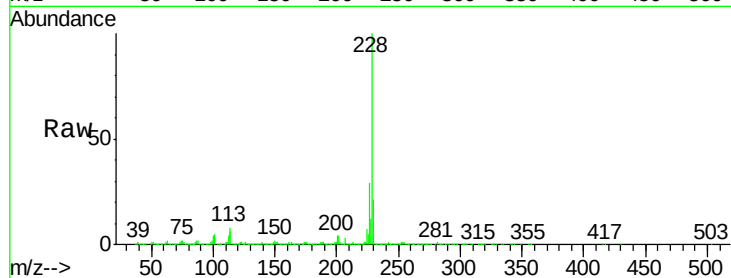
228 100

226 29.4 23.4 35.2

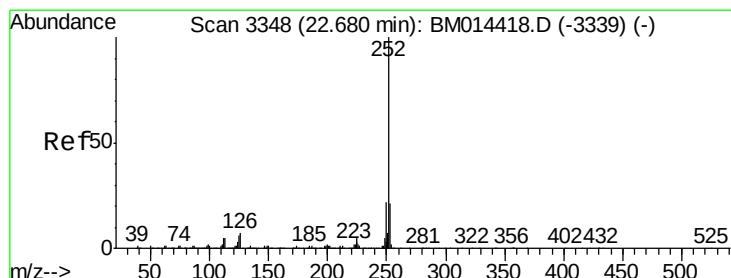
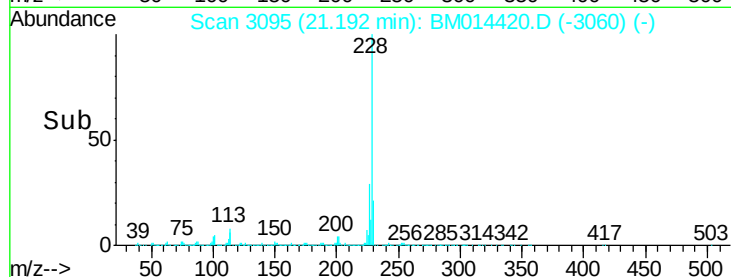
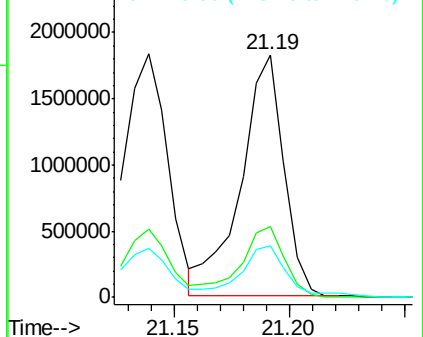
229 21.4 15.5 23.3

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Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 47.992 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014420.D

Acq: 01 Mar 2018 02:45

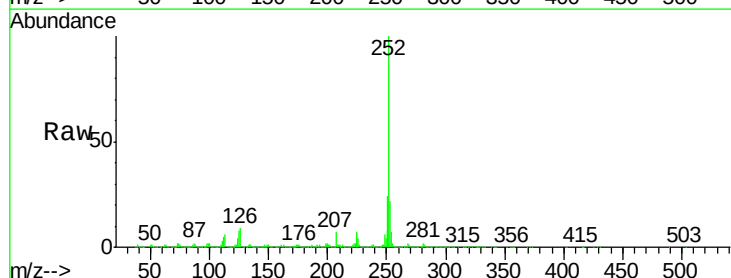
Tgt Ion:252 Resp: 2458995

Ion Ratio Lower Upper

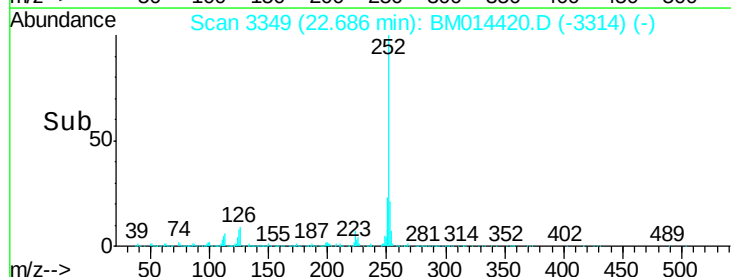
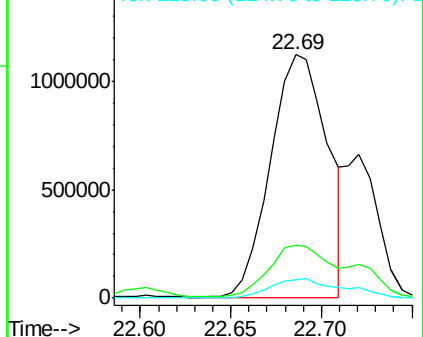
252 100

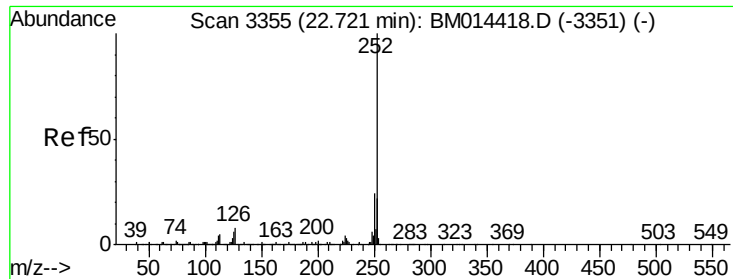
253 21.8 17.9 26.9

125 7.8 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E
1500000
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





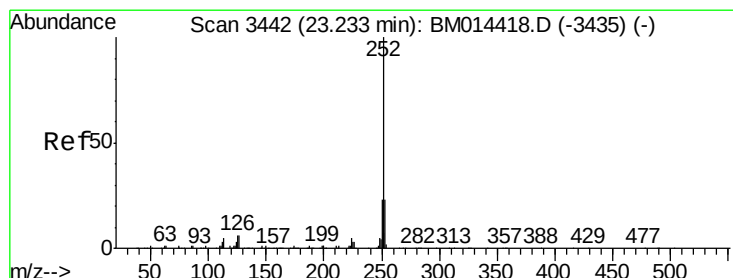
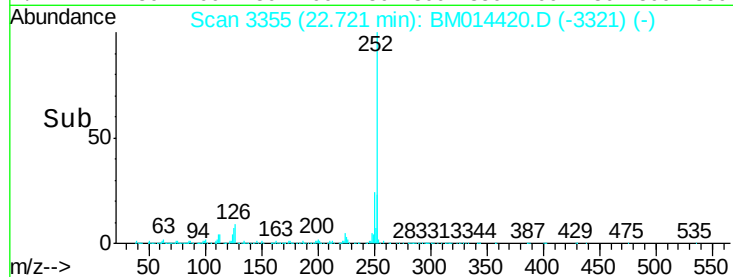
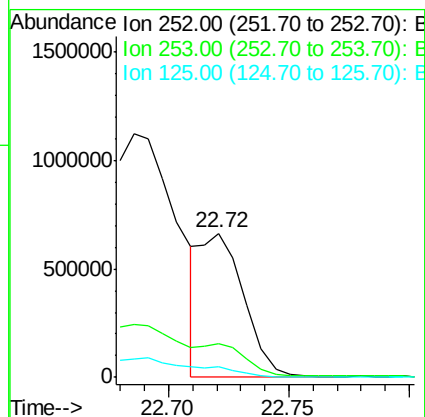
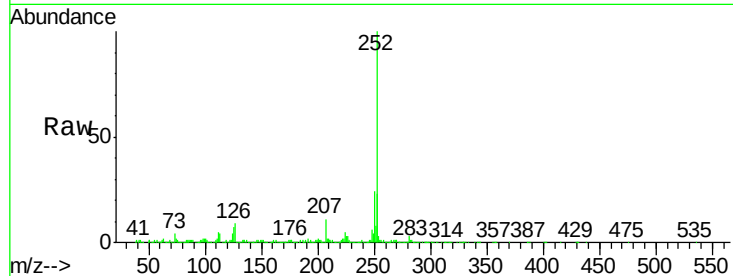
#86
Benzo(k)fluoranthene
Concen: 16.769 ng/ul m
RT: 22.72 min Scan# 3355
Delta R.T. 0.00 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Instrument :
BNA_M
ClientSampled :
BE5X3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	7.1	3.4	5.2

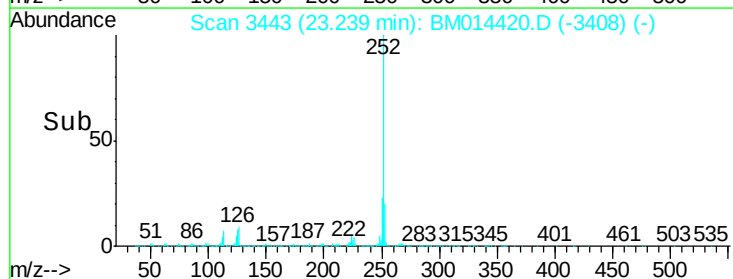
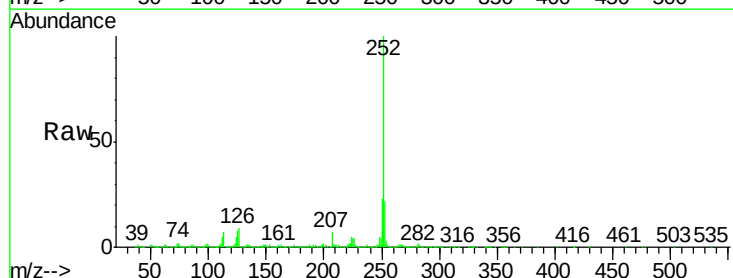
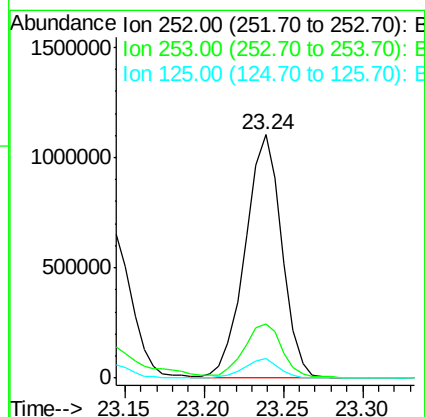
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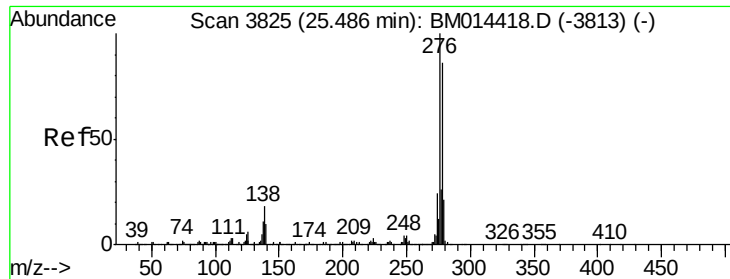
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#88
Benzo(a)pyrene
Concen: 38.547 ng/ul
RT: 23.24 min Scan# 3443
Delta R.T. 0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	7.8	4.0	6.0





#89

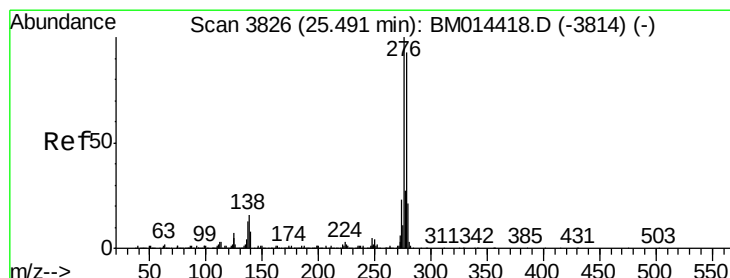
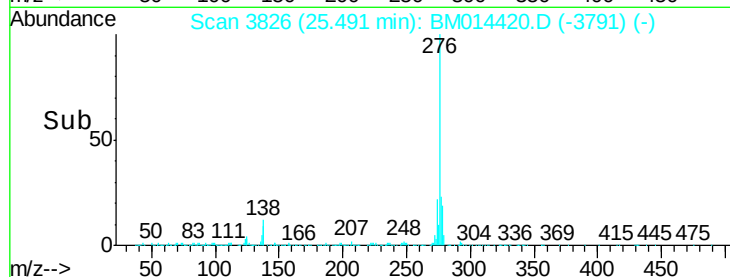
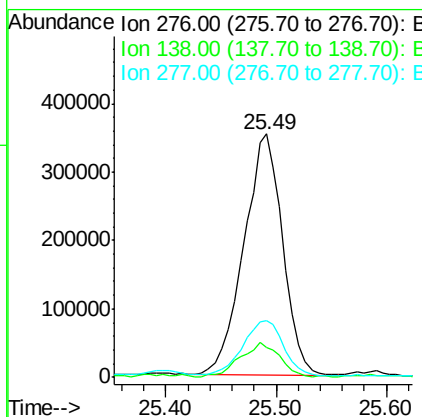
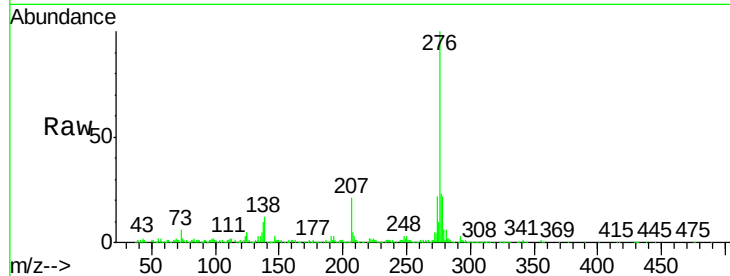
Indeno(1,2,3-cd)pyrene
Concen: 19.608 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Instrument :
BNA_M
ClientSampleId :
BE5X3

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.2	9.3	13.9
277	23.4	19.9	29.9

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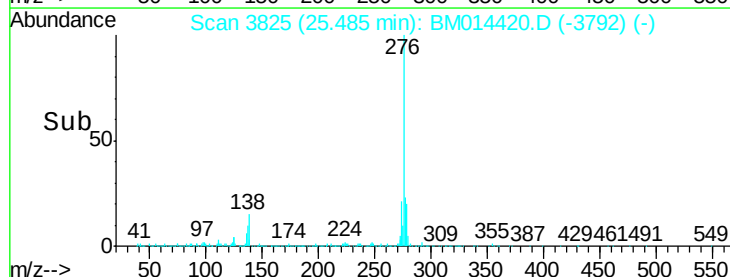
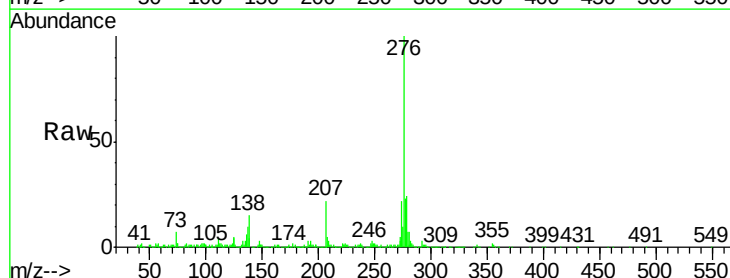
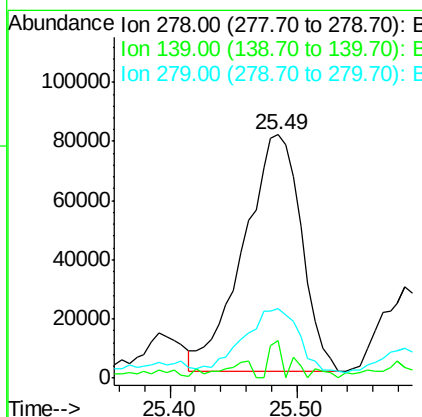
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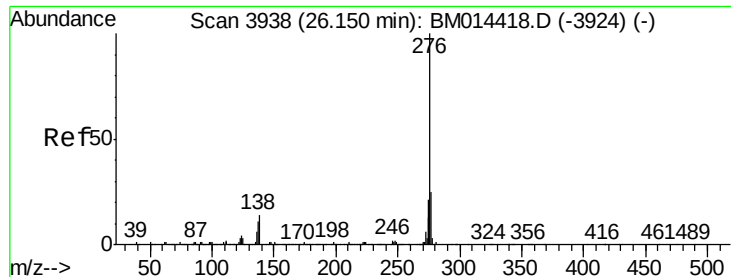


#90

Dibenzo(a,h)anthracene
Concen: 6.873 ng/ul
RT: 25.49 min Scan# 3825
Delta R.T. -0.01 min
Lab File: BM014420.D
Acq: 01 Mar 2018 02:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.5	5.8	8.8#
279	28.8	18.6	27.8#





#91
 Benzo(a,h,i)perylene
 Concen: 18.303 ng/ul
 RT: 26.15 min Scan# 3938
 Delta R.T. 0.00 min
 Lab File: BM014420.D
 Acq: 01 Mar 2018 02:45

Instrument :
 BNA_M
 ClientSampleId :
 BE5X3

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	8.5	12.7#
277	23.5	18.6	28.0

Manual Integrations
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