

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014390.D
 Acq On : 27 Feb 2018 19:38
 Operator : SJ/JU
 Sample : J1646-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BE5Z8

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:24 PM

Quant Time: Feb 28 02:04:39 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	108557	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	457265	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	258793	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	527505	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	489579	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	482620	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	17888	7.05	ng/uL	0.00
5) Phenol-d5	6.73	99	355570	38.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	227078	40.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	305152	43.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	260833	32.49	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	159686	47.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	175597	50.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	308170	42.54	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	244132	34.21	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1001085	46.84	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1246759	47.31	ng/ul	0.01
51) 4-Nitrophenol-d4	14.46	143	108385	36.73	ng/ul	0.02
57) Fluorene-d10	15.19	176	816107	42.62	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	26533	8.38	ng/ul	0.01
70) Anthracene-d10	17.04	188	1213268	47.67	ng/ul	0.00
76) Pyrene-d10	19.36	212	1273619	50.44	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.20	264	1100057	46.83	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.76	94	45322	4.707	ng/ul#	84
28) Naphthalene	10.35	128	31621	1.346	ng/ul	97
44) Dimethylphthalate	13.65	163	265481	12.597	ng/ul	97
47) Acenaphthylene	13.90	152	60289	2.420	ng/ul#	90
49) Acenaphthene	14.25	153	58188	3.318	ng/ul	96
53) Dibenzofuran	14.59	168	50862	1.934	ng/ul	98
58) Fluorene	15.24	166	56749	2.499	ng/ul#	99
69) Phenanthrene	16.99	178	1362407	44.827	ng/ul	99
71) Anthracene	17.07	178	256930	8.406	ng/ul	98
72) Carbazole	17.36	167	129507	5.039	ng/ul#	93
74) Fluoranthene	19.02	202	2049978	56.456	ng/ul#	94
77) Pyrene	19.39	202	1782665	54.790	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	795844	26.047	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	53714m	2.788	ng/ul	
82) Chrysene	21.19	228	748210	26.250	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	871172	26.958	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	317659m	10.339	ng/ul	
88) Benzo(a)pyrene	23.24	252	647718	22.430	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	410660	14.655	ng/ul	95
90) Dibenzo(a,h)anthracene	25.50	278	109071	4.684	ng/ul#	85
91) Benzo(a,h,i)perylene	26.17	276	311786	13.735	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

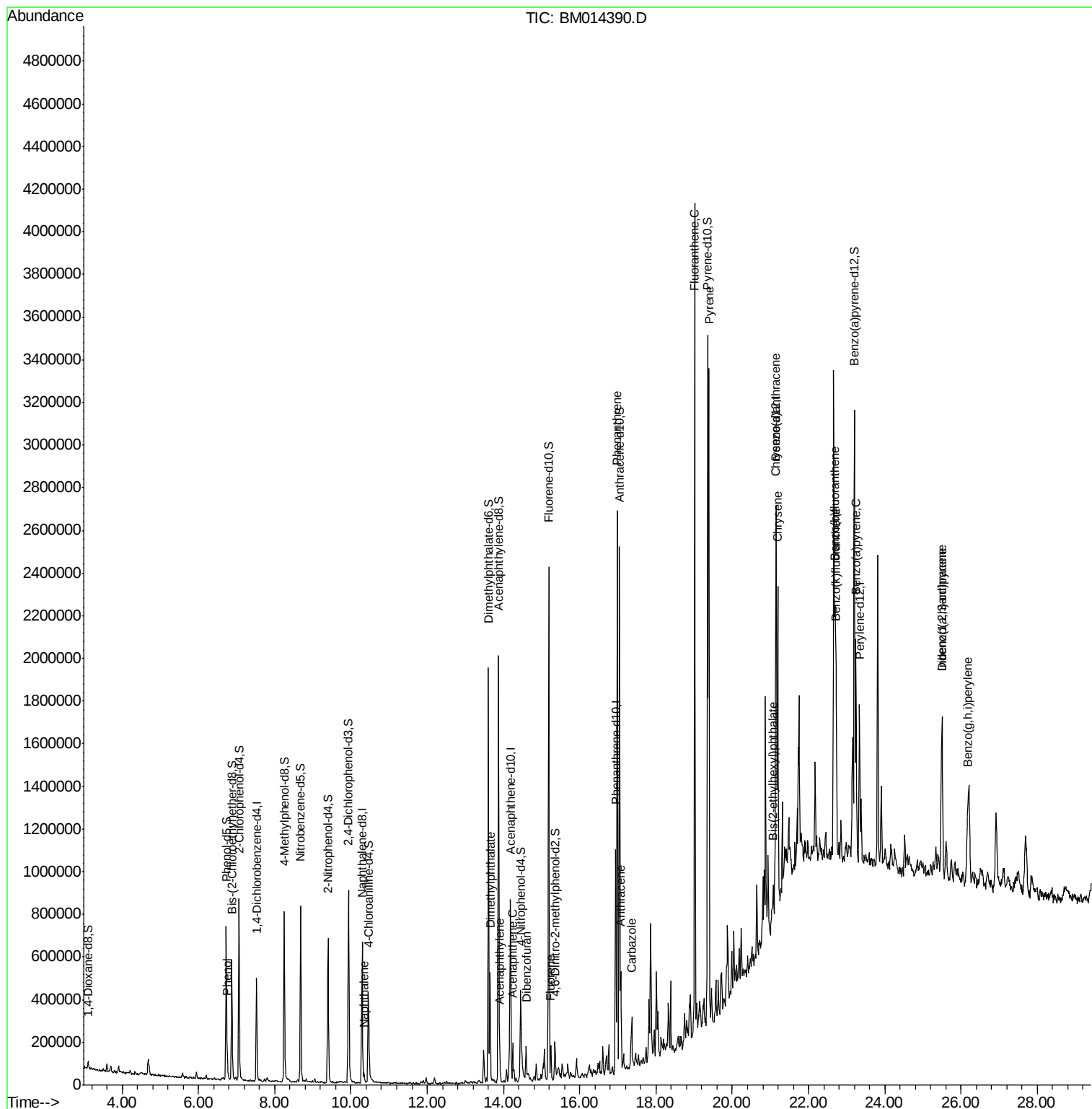
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
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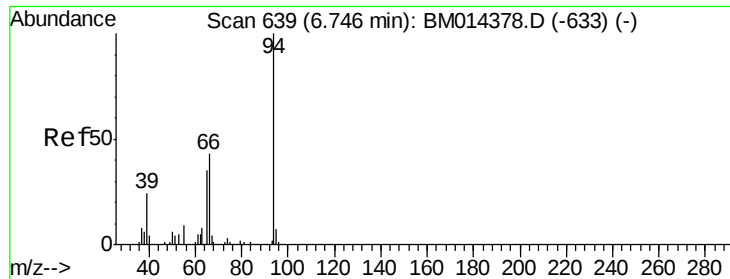
Instrument :
BNA_M
ClientSampled :
BE5Z8

Quant Time: Feb 28 02:04:39 2018
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#6

Phenol

Concen: 4.707 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Instrument :

BNA_M

ClientSampled :

BE5Z8

Tot Ion: 94 Resp: 45322

Ion Ratio Lower Upper

94 100

65 29.5 28.2 42.4

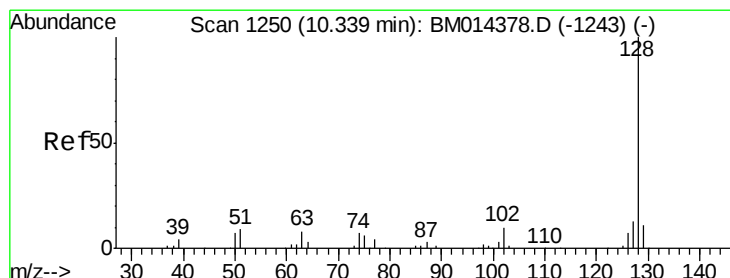
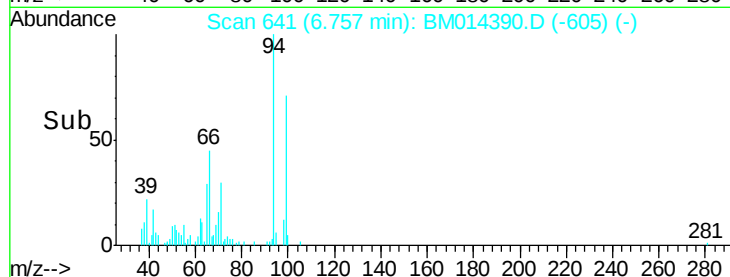
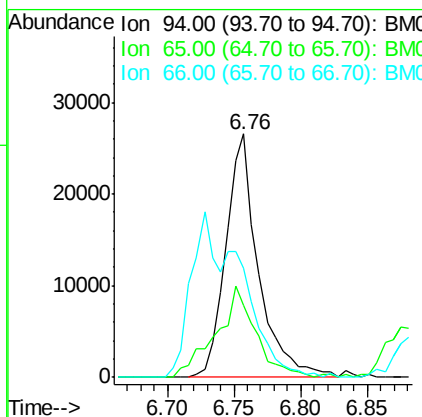
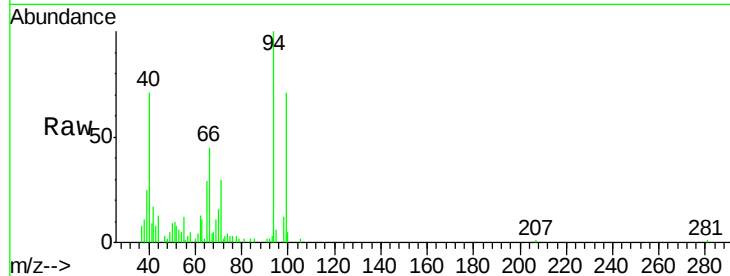
66 44.9 47.2 70.8#

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#28

Naphthalene

Concen: 1.346 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

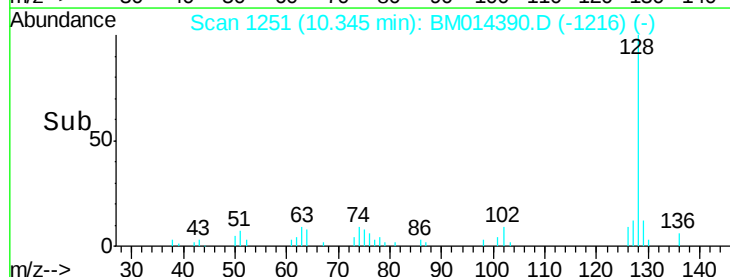
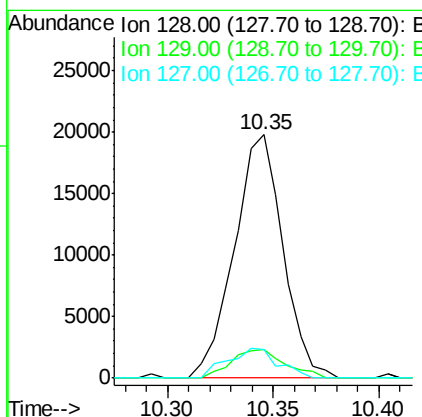
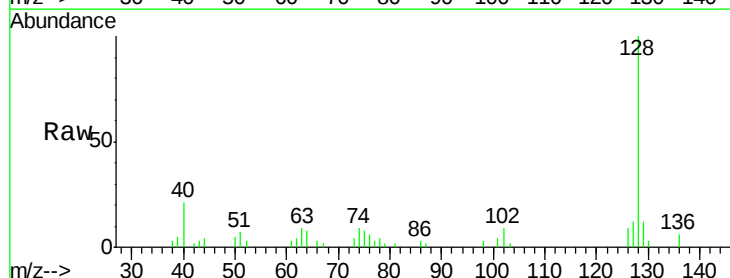
Tgt Ion: 128 Resp: 31621

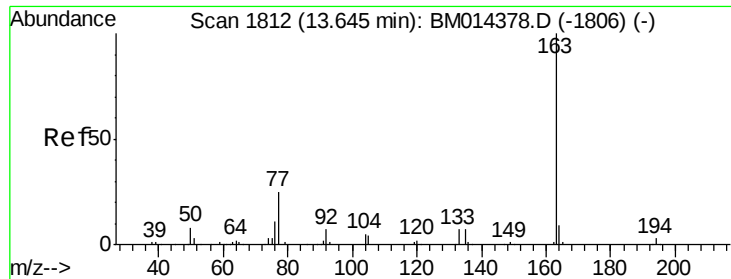
Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

127 11.7 10.6 16.0





#44

Dimethylphthalate

Concen: 12.597 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Instrument :

BNA_M

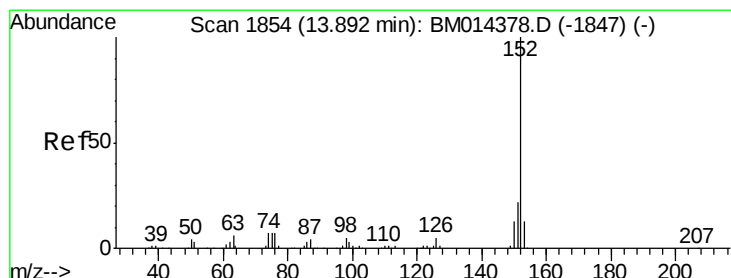
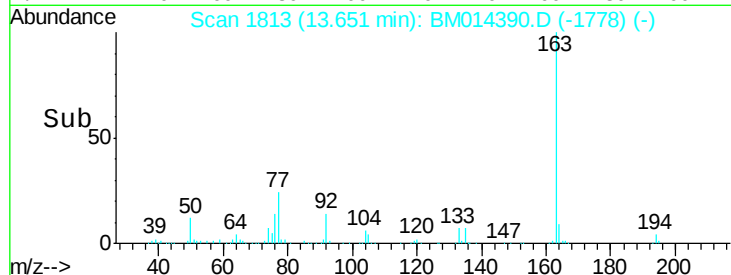
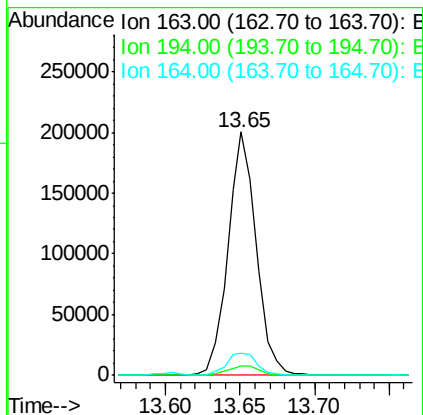
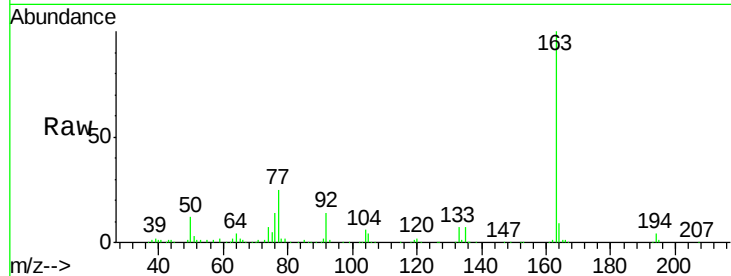
ClientSampled :

BE5Z8

Tot Ion:	163	Resp:	265481
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.5	5.3
164	9.2	8.2	12.4

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#47

Acenaphthylene

Concen: 2.420 ng/ul

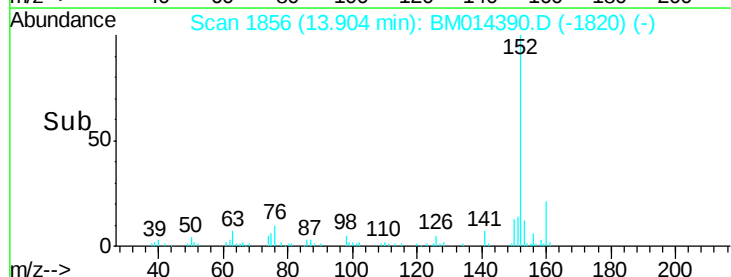
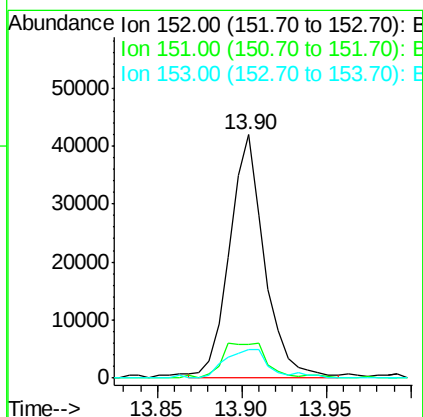
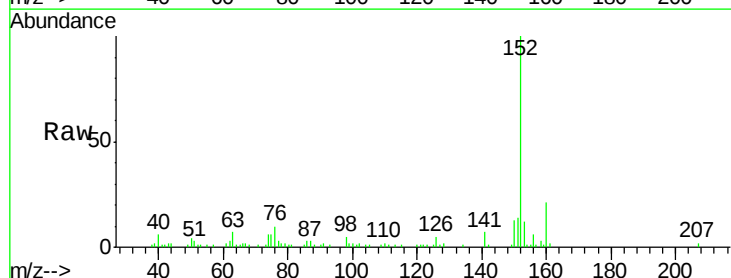
RT: 13.90 min Scan# 1856

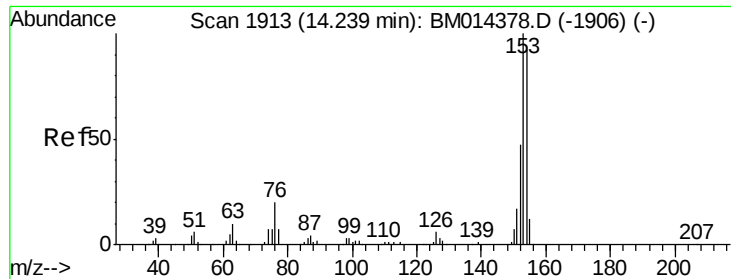
Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Tgt Ion:	152	Resp:	60289
Ion Ratio	Lower	Upper	
152	100		
151	13.9	16.3	24.5#
153	11.8	10.2	15.4





#49

Acenaphthene

Concen: 3.318 ng/ul

RT: 14.25 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Instrument :

BNA_M

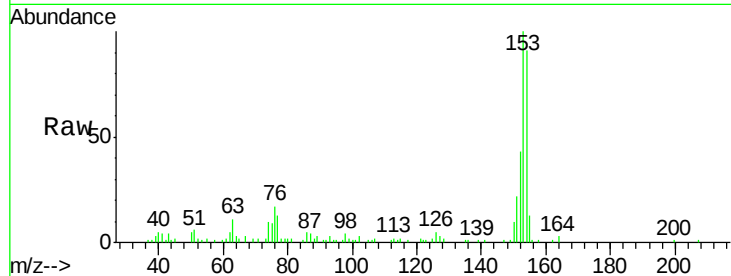
ClientSampled :

BE5Z8

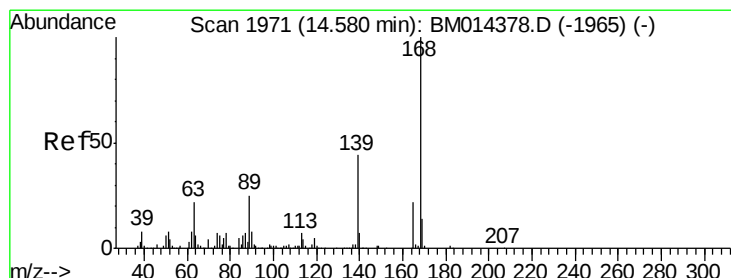
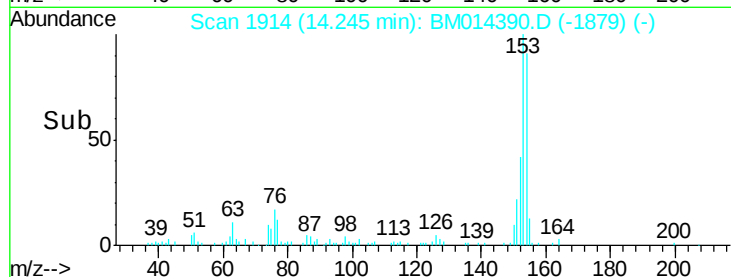
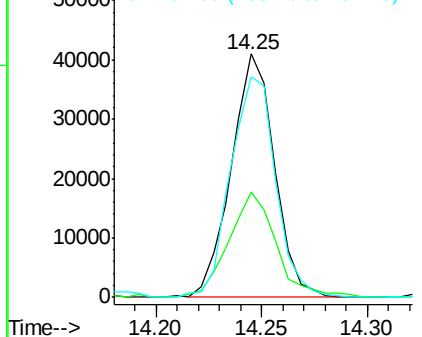
Tot Ion:	153	Resp:	58188
Ion Ratio	Lower	Upper	
153	100		
152	43.1	37.6	56.4
154	90.5	70.4	105.6

Manual Integrations
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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: 1.934 ng/ul

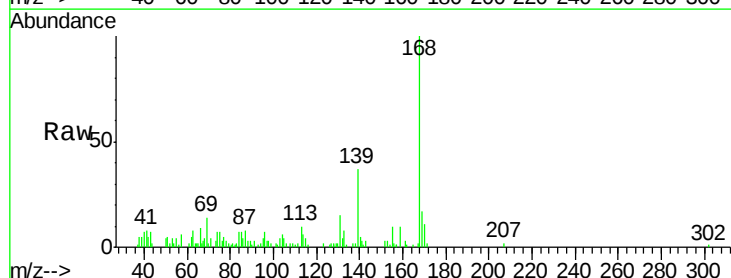
RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

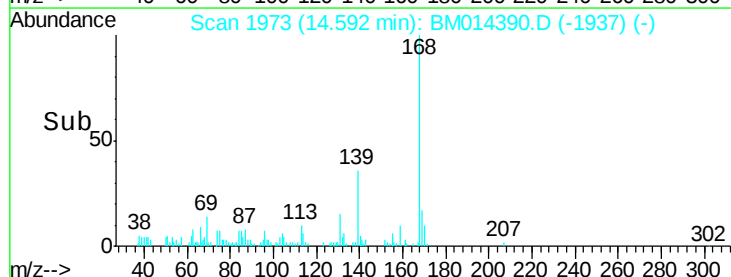
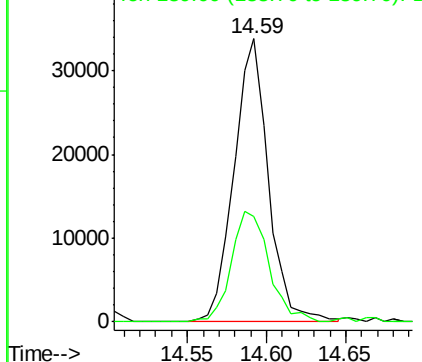
Lab File: BM014390.D

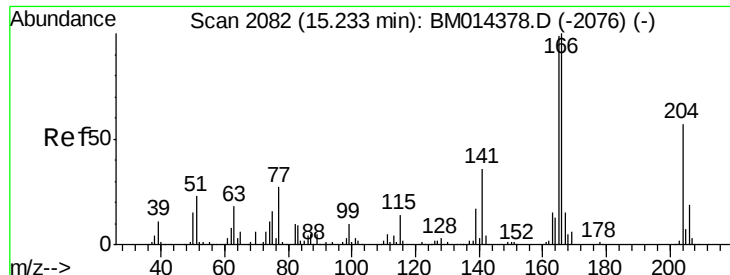
Acq: 27 Feb 2018 19:38

Tgt Ion:	168	Resp:	50862
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.8	46.2



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





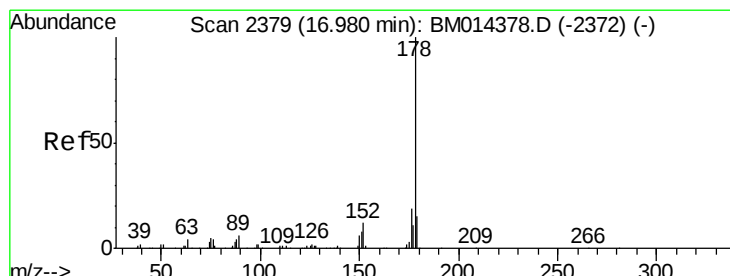
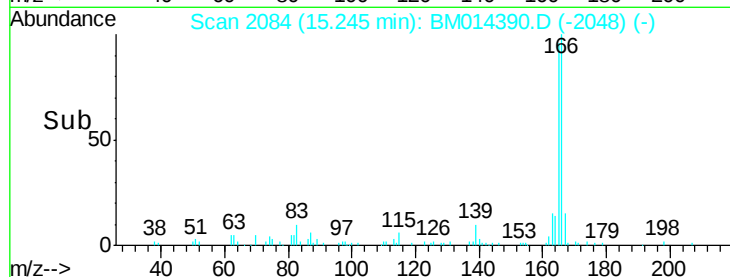
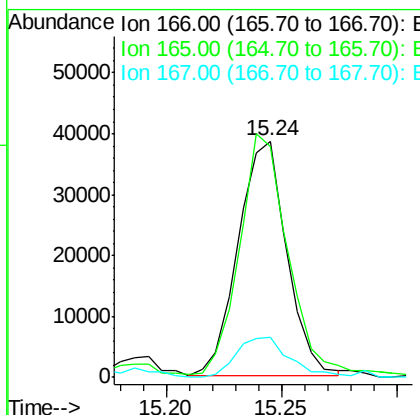
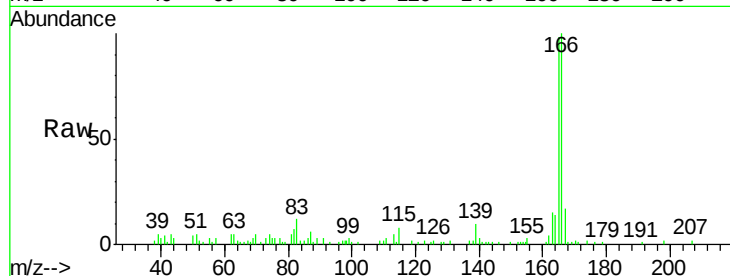
#58
 Fluorene
 Concen: 2.499 ng/ul
 RT: 15.24 min Scan# 2084
 Delta R.T. 0.01 min
 Lab File: BM014390.D
 Acq: 27 Feb 2018 19:38

Instrument :
 BNA_M
 ClientSampled :
 BE5Z8

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.9	116.9
167	16.9	10.6	16.0

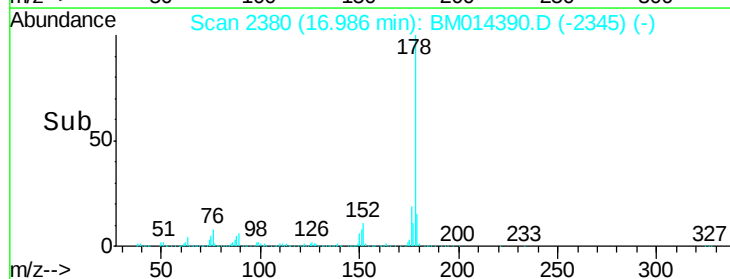
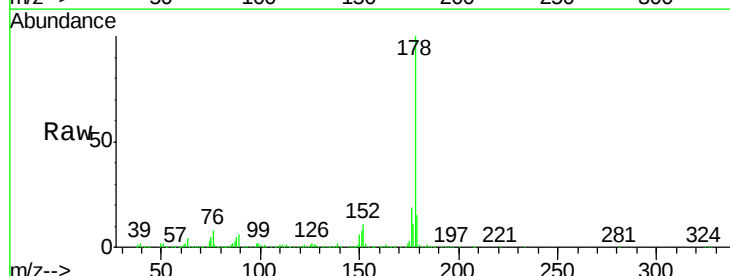
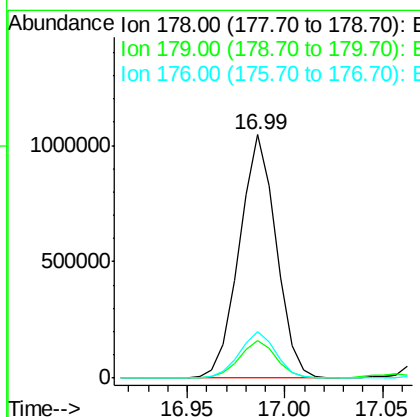
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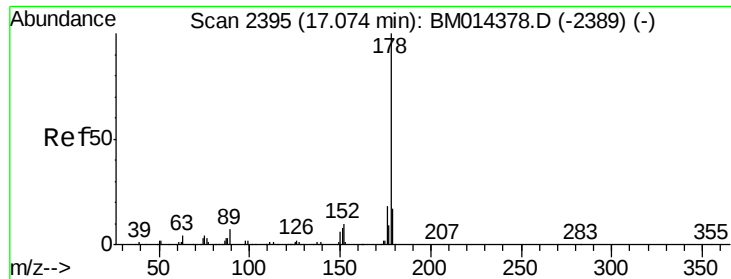
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#69
 Phenanthrene
 Concen: 44.827 ng/ul
 RT: 16.99 min Scan# 2380
 Delta R.T. 0.01 min
 Lab File: BM014390.D
 Acq: 27 Feb 2018 19:38

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.1	14.9	22.3





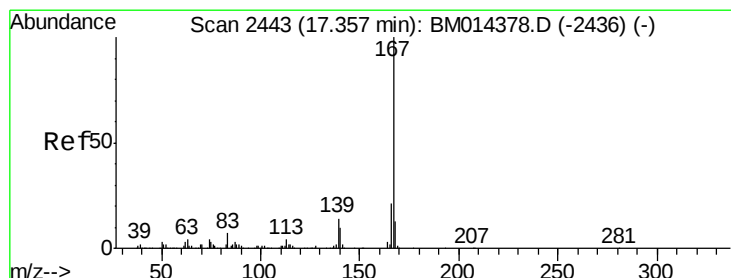
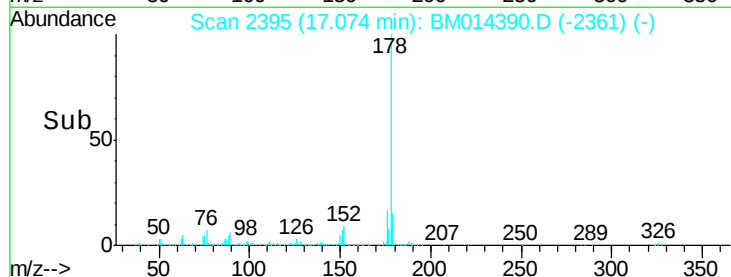
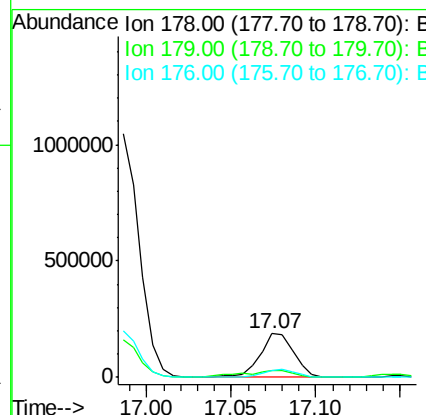
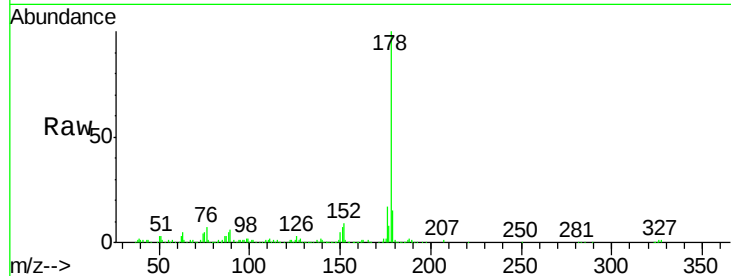
#71
 Anthracene
 Concen: 8.406 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.00 min
 Lab File: BM014390.D
 Acq: 27 Feb 2018 19:38

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	16.8	14.6	21.8

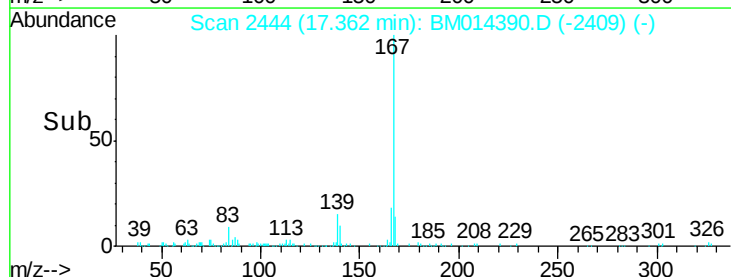
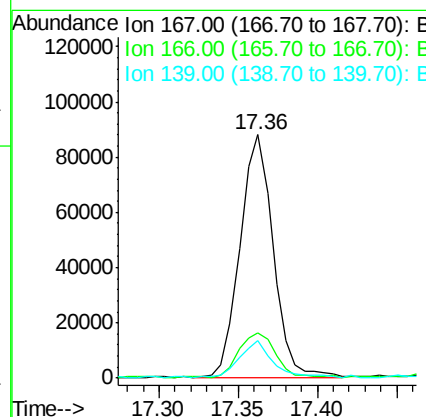
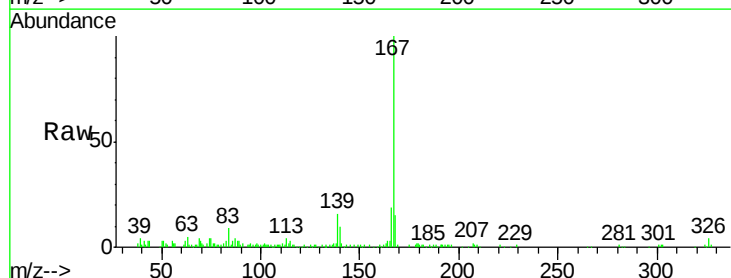
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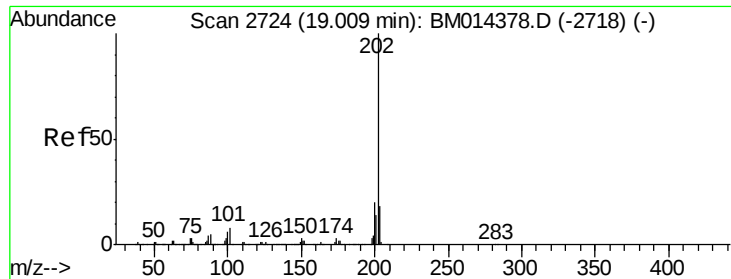
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#72
 Carbazole
 Concen: 5.039 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM014390.D
 Acq: 27 Feb 2018 19:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	18.6	17.1	25.7
139	15.5	10.0	15.0#





#74

Fluoranthene

Concen: 56.456 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Instrument :

BNA_M

ClientSampleId :

BE5Z8

Tot Ion:202 Resp: 2049978

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

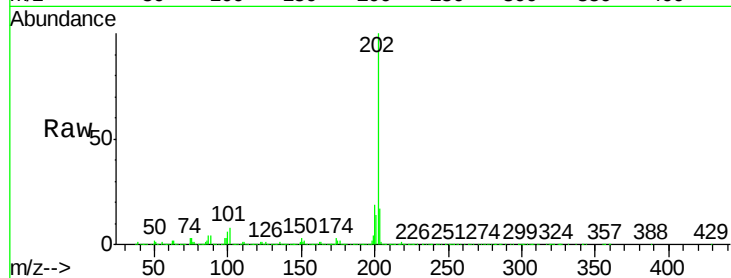
100 6.4 3.4 5.2#

Manual Integrations

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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.02

1500000

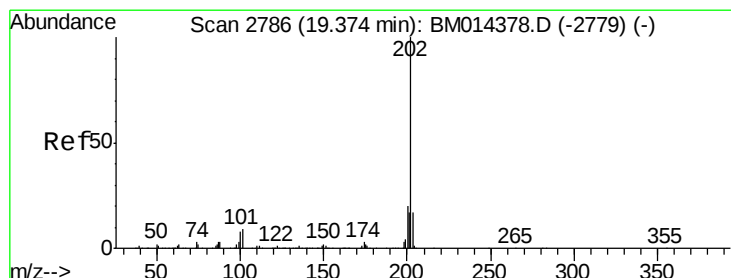
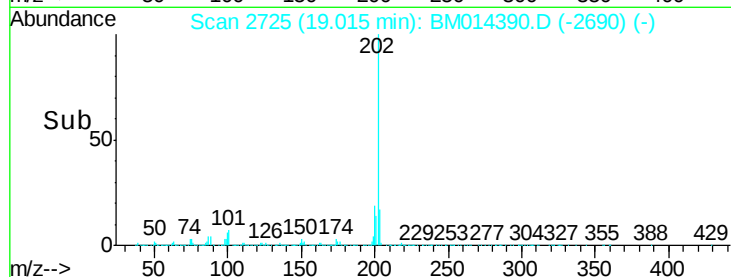
1000000

500000

0

18.95 19.00 19.05

Time-->



#77

Pyrene

Concen: 54.790 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

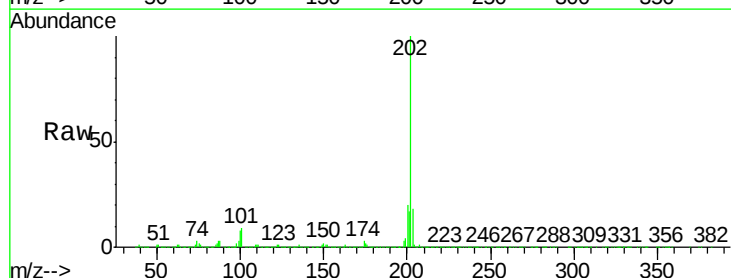
Tgt Ion:202 Resp: 1782665

Ion Ratio Lower Upper

202 100

101 8.6 5.1 7.7#

100 8.2 4.9 7.3#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

19.39

1500000

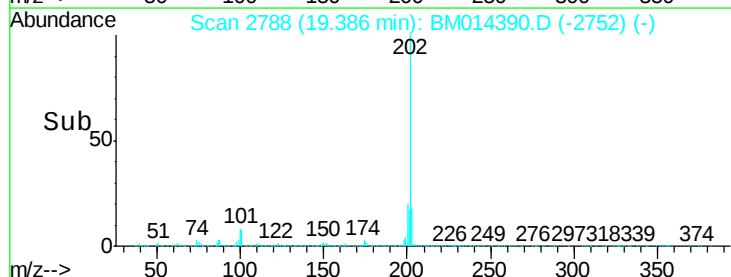
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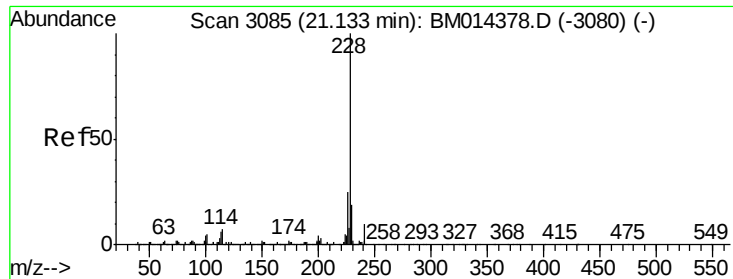
500000

0

19.30 19.35 19.40 19.45

Time-->





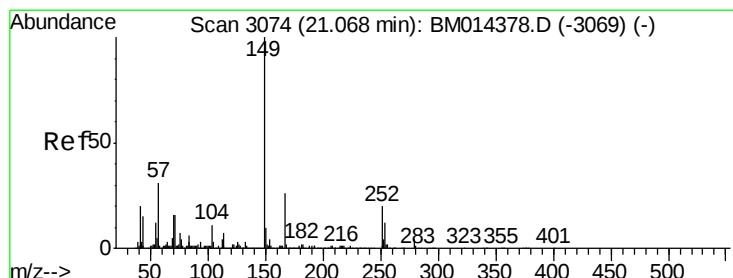
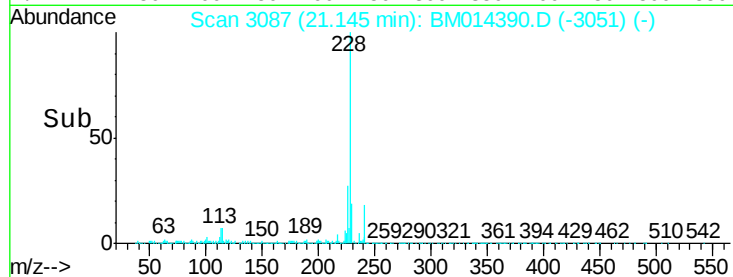
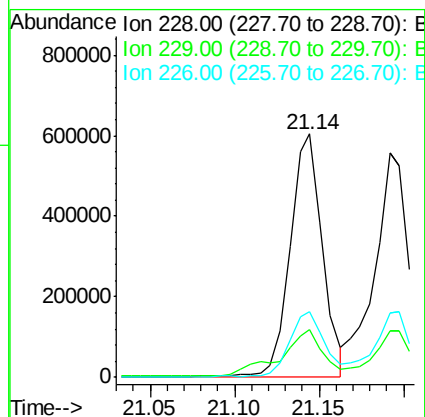
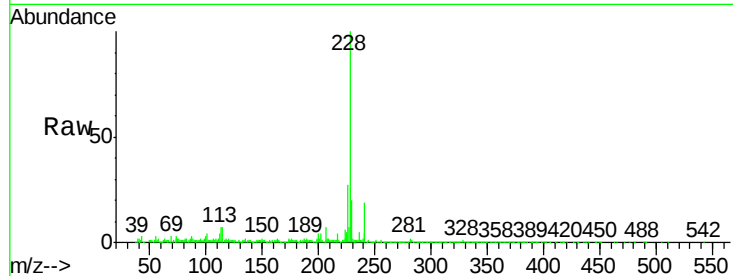
#80
Benzo(a)anthracene
Concen: 26.047 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Instrument :
BNA_M
ClientSampled :
BE5Z8

Tot Ion:	228	Resp:	795844
Ion Ratio	Lower	Upper	
228	100		
229	19.5	15.4	23.0
226	26.9	21.4	32.0

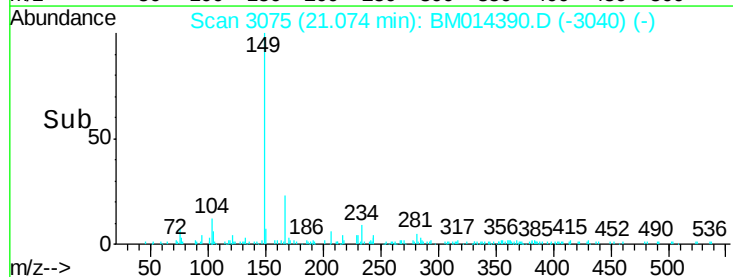
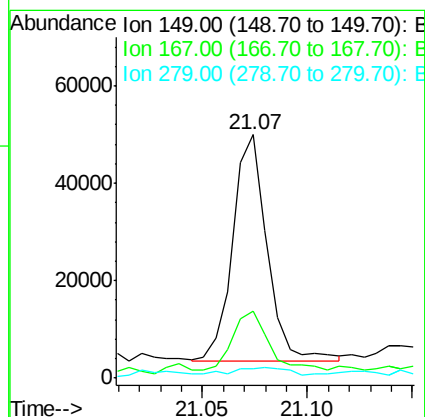
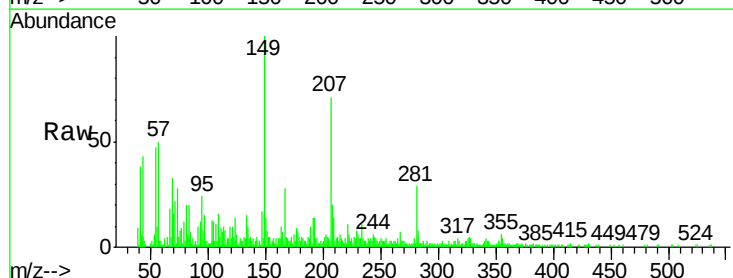
Manual Integrations
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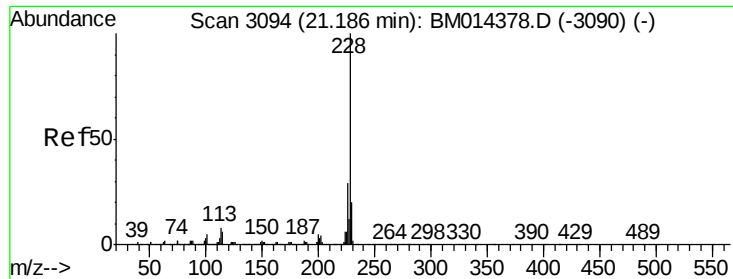
Sohil
2/28/2018 1:59:24 PM



#81
Bis(2-ethylhexyl)phthalate
Concen: 2.788 ng/ul m
RT: 21.07 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:	149	Resp:	53714
Ion Ratio	Lower	Upper	
149	100		
167	27.7	22.8	34.2
279	4.0	4.9	7.3#





#82

Chrysene

Concen: 26.250 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Instrument :

BNA_M

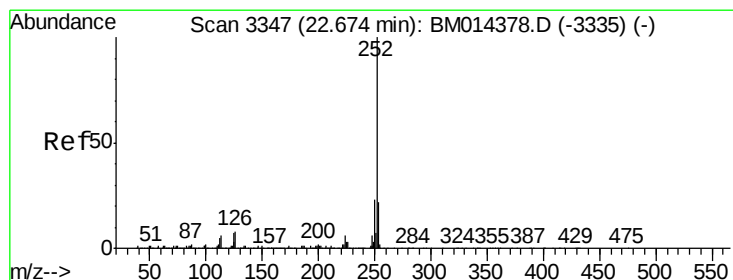
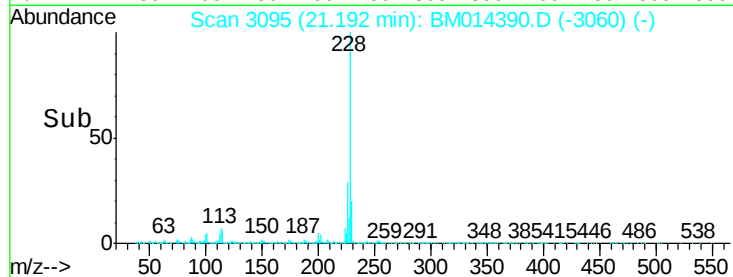
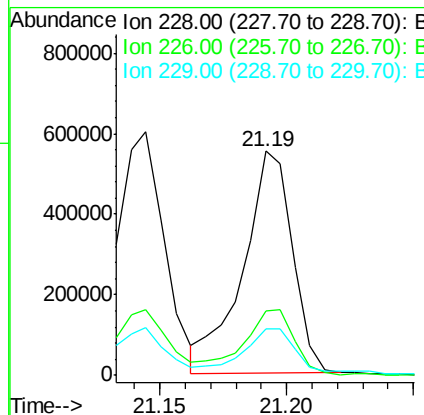
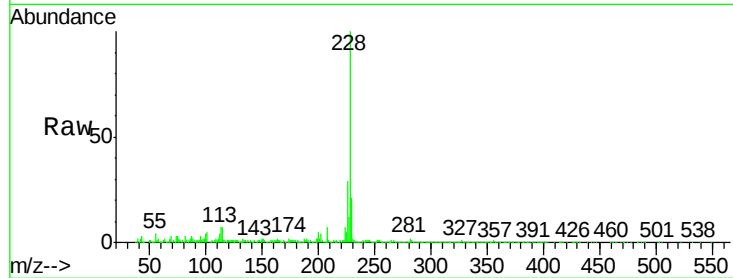
ClientSampled :

BE5Z8

Tot Ion:	228	Resp:	748210
Ion Ratio		Lower	Upper
228	100		
226	28.8	23.4	35.2
229	20.9	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 26.958 ng/ul

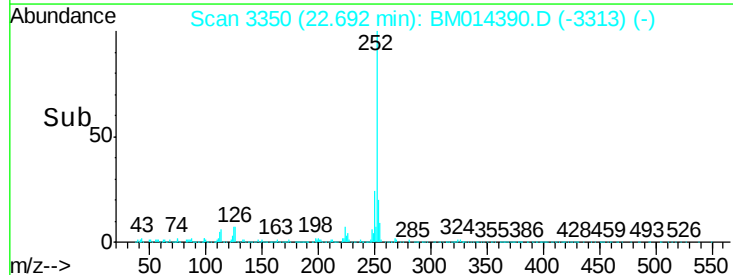
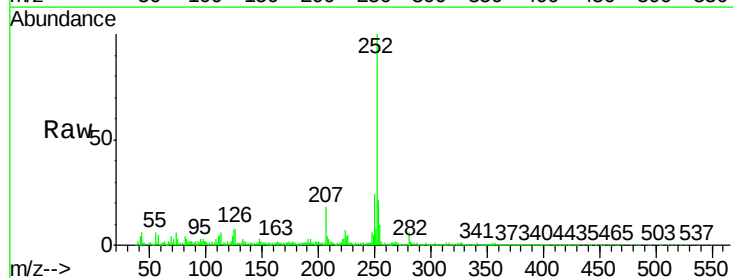
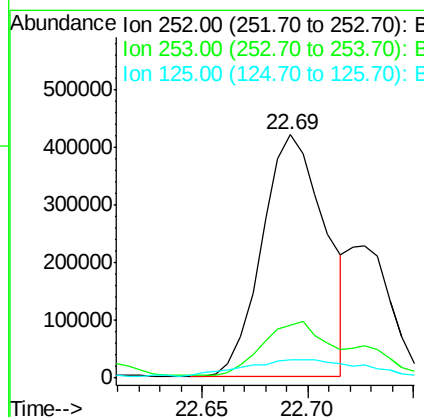
RT: 22.69 min Scan# 3350

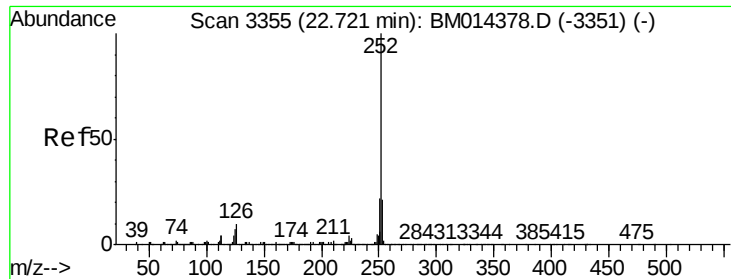
Delta R.T. 0.02 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Tgt Ion:	252	Resp:	871172
Ion Ratio		Lower	Upper
252	100		
253	21.5	17.9	26.9
125	7.3	3.6	5.4#





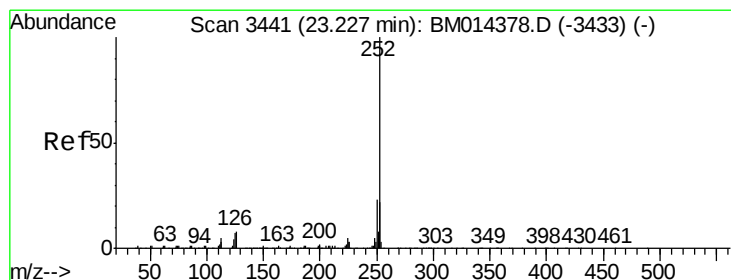
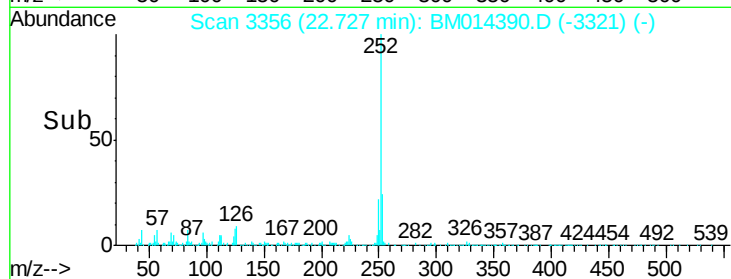
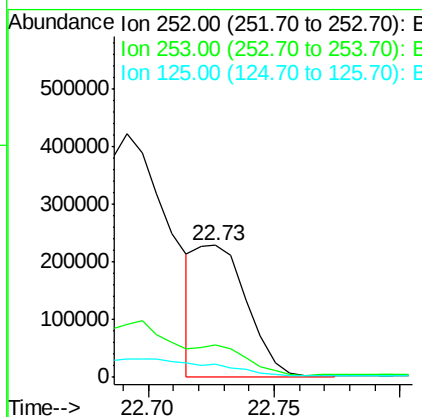
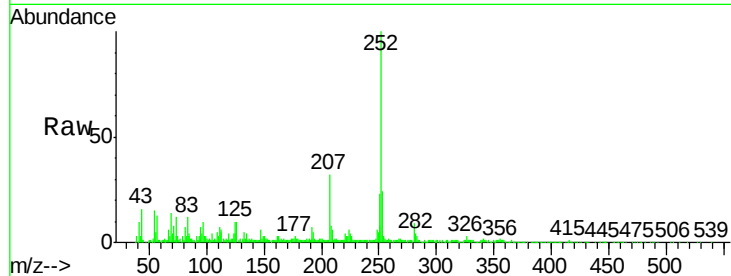
#86
Benzo(k)fluoranthene
Concen: 10.339 ng/ul m
RT: 22.73 min Scan# 3356
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Instrument :
BNA_M
ClientSampleId :
BE5Z8

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	9.6	3.4	5.2

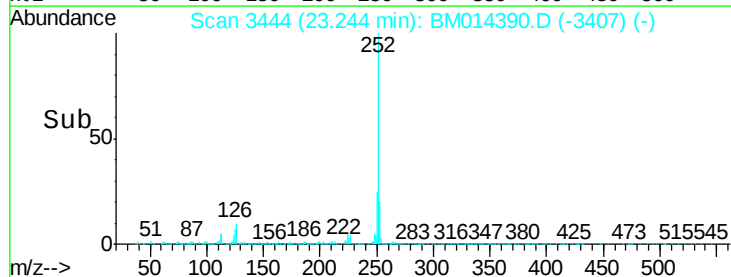
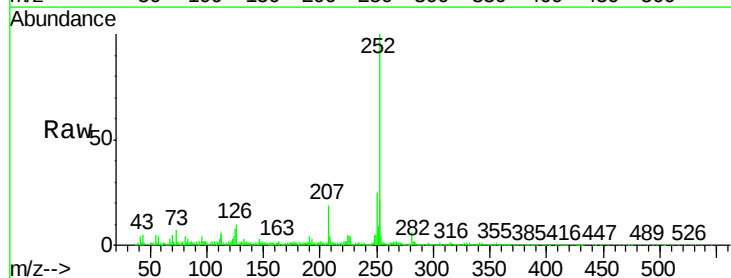
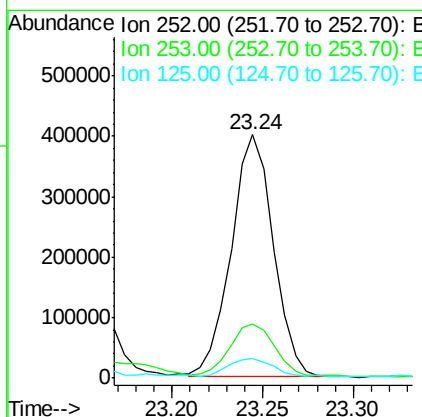
Manual Integrations
APPROVED

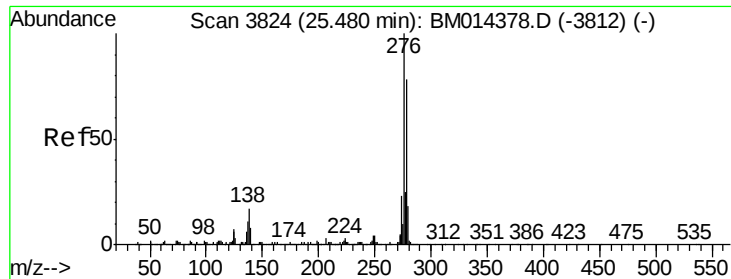
Sohil
2/28/2018 1:59:24 PM



#88
Benzo(a)pyrene
Concen: 22.430 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	7.9	4.0	6.0





#89

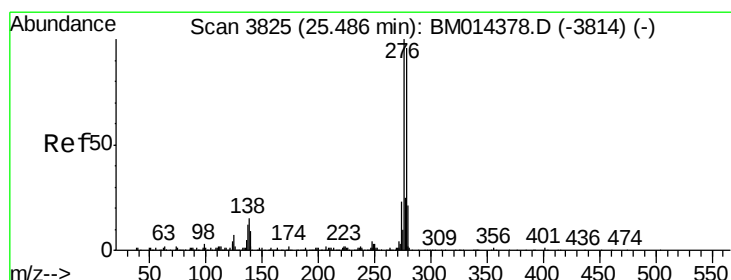
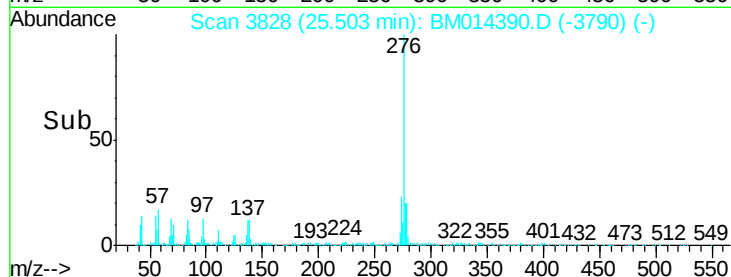
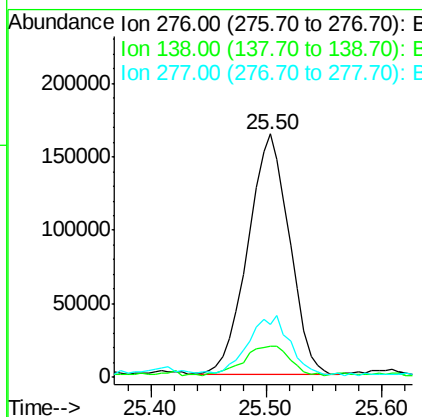
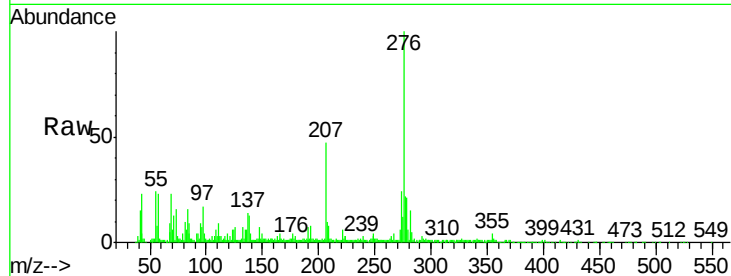
Indeno(1,2,3-cd)pyrene
Concen: 14.655 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Instrument :
BNA_M
ClientSampleId :
BE5Z8

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.9	9.3	13.9
277	21.8	19.9	29.9

Manual Integrations
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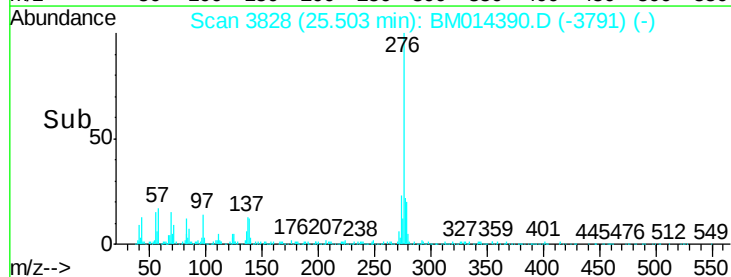
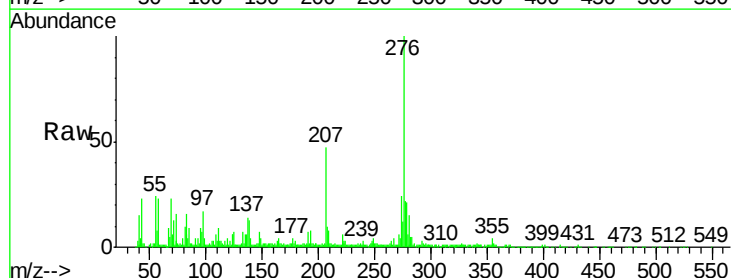
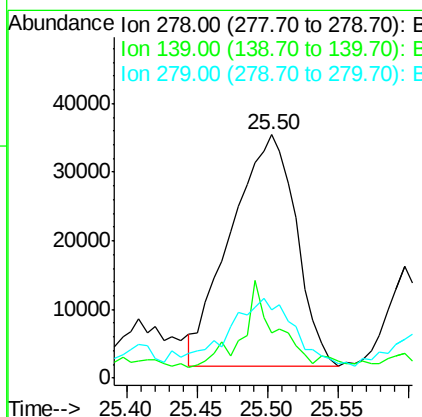
Sohil
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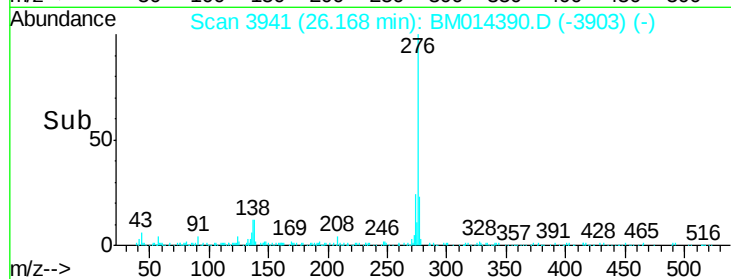
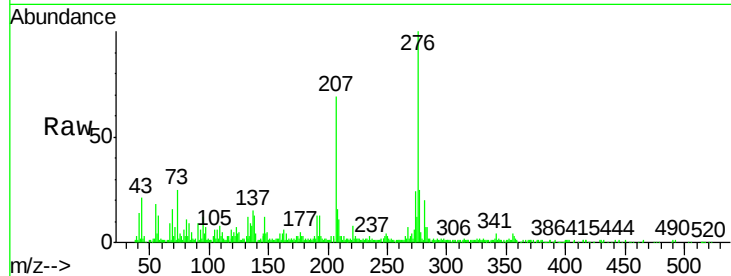
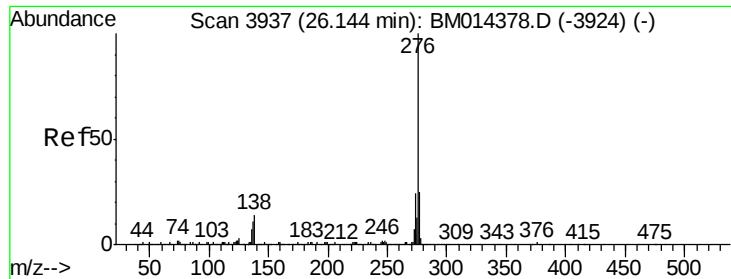


#90

Dibenzo(a,h)anthracene
Concen: 4.684 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	5.8	8.8#
279	27.9	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 13.735 ng/ul

RT: 26.17 min Scan# 3941

Delta R.T. 0.02 min

Lab File: BM014390.D

Acq: 27 Feb 2018 19:38

Tot Ion	Ratio	Resp	Lower	Upper
276	100	311786		
138	12.7		8.5	12.7
277	24.5		18.6	28.0

Instrument :

BNA_M

ClientSampleId :

BE5Z8

Manual Integrations
APPROVED

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2/28/2018 1:59:24 PM

