

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014460.D
 Acq On : 02 Mar 2018 14:07
 Operator : SJ/JU
 Sample : J1678-11RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5W1RE

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:21:04 PM

Quant Time: Mar 02 18:22:11 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 14:54:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	76861	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	362400	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	254518	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	629847	20.00	ng/ul	0.00
75) Chrysene-d12	21.17	240	635534	20.00	ng/ul	0.02
83) Perylene-d12	23.40	264	618620	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	5394	3.00	ng/uL	0.00
5) Phenol-d5	6.72	99	194872	30.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	109578	27.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	159072	31.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	172011	30.26	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	79643	29.74	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	92873	33.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	183562	31.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	65070m	11.50	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	675799	32.15	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	882430	34.05	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	79189	27.29	ng/ul	0.04
57) Fluorene-d10	15.18	176	648760	34.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	19546	5.17	ng/ul	0.02
70) Anthracene-d10	17.04	188	1069267	35.19	ng/ul	0.00
76) Pyrene-d10	19.36	212	1123683	34.28	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.26	264	1032725	34.30	ng/ul	0.08

Target Compounds

					Ovalue	
28) Naphthalene	10.33	128	50411	2.708	ng/ul#	91
34) 2-Methylnaphthalene	11.96	142	22250	1.571	ng/ul#	80
44) Dimethylphthalate	13.65	163	102607	4.951	ng/ul	98
47) Acenaphthylene	13.89	152	150370	6.138	ng/ul	100
49) Acenaphthene	14.24	153	112142	6.501	ng/ul	94
53) Dibenzofuran	14.58	168	79431	3.071	ng/ul	89
58) Fluorene	15.23	166	137704	6.167	ng/ul	99
69) Phenanthrene	16.99	178	2889019	79.611	ng/ul	99
71) Anthracene	17.07	178	686256	18.804	ng/ul	98
72) Carbazole	17.36	167	270664	8.820	ng/ul	94
73) Di-n-butylphthalate	17.92	149	2667818	67.385	ng/ul	99
74) Fluoranthene	19.02	202	5444418	125.575	ng/ul#	92
77) Pyrene	19.39	202	4538228	107.450	ng/ul#	92
80) Benzo(a)anthracene	21.16	228	2410301	60.768	ng/ul	94
82) Chrysene	21.21	228	2212302m	59.790	ng/ul	
85) Benzo(b)fluoranthene	22.74	252	3190102m	77.015	ng/ul	
86) Benzo(k)fluoranthene	22.76	252	1078681m	27.390	ng/ul	
88) Benzo(a)pyrene	23.31	252	2280759	61.618	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	25.66	276	1345352	37.456	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.64	278	359404m	12.042	ng/ul	
91) Benzo(a,h,i)perylene	26.35	276	1120433	38.507	ng/ul#	86

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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

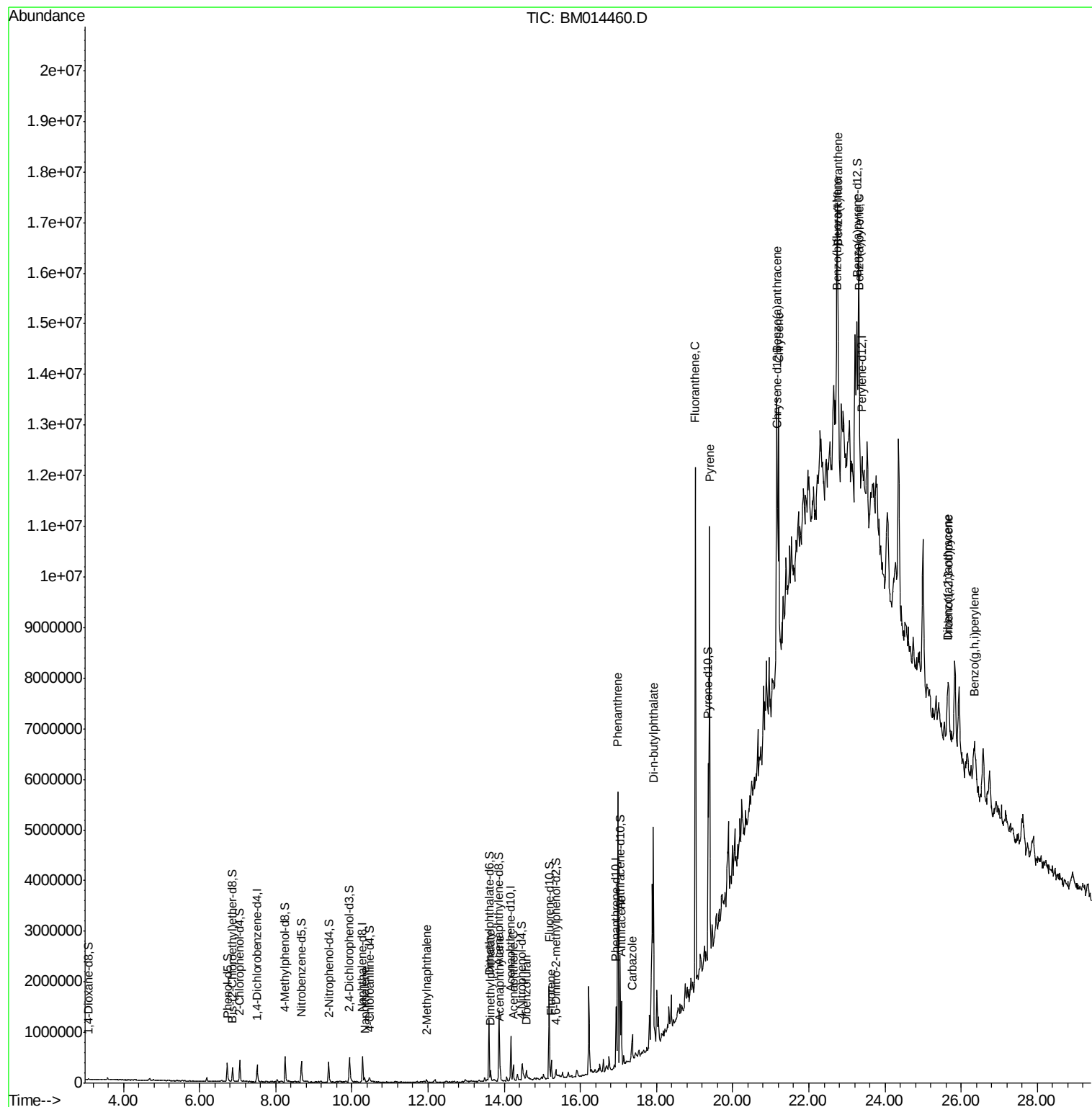
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014460.D
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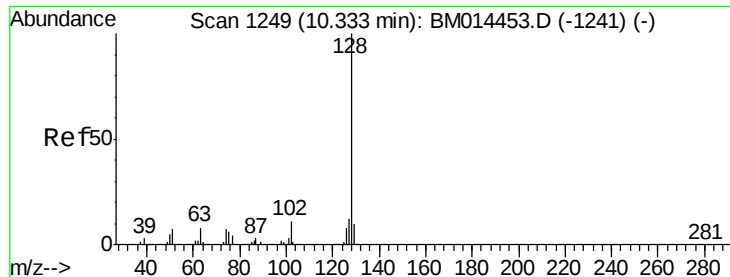
Instrument :
BNA_M
ClientSampleId :
BE5W1RE

Manual Integrations
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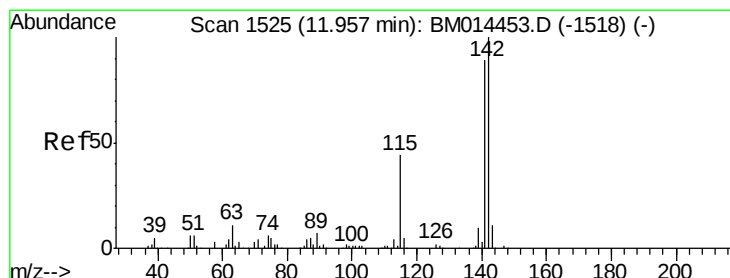
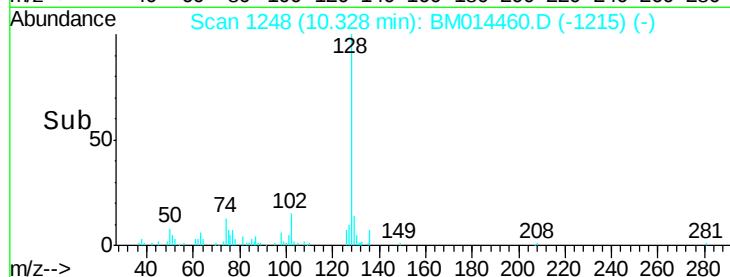
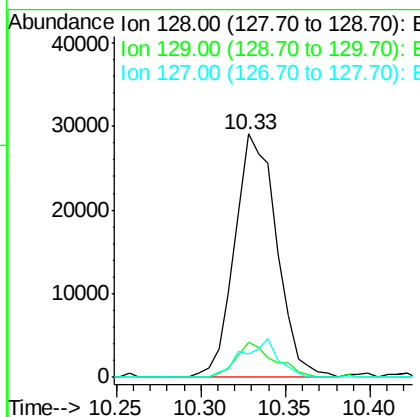
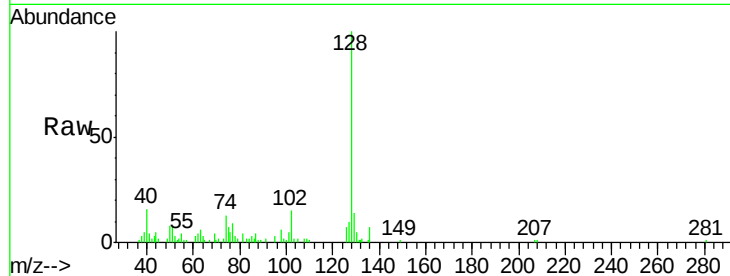
#28
Naphthalene
Concen: 2.708 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Instrument :
BNA_M
ClientSampleId :
BE5W1RE

Tot Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.8	13.2#
127	9.7	10.6	16.0#

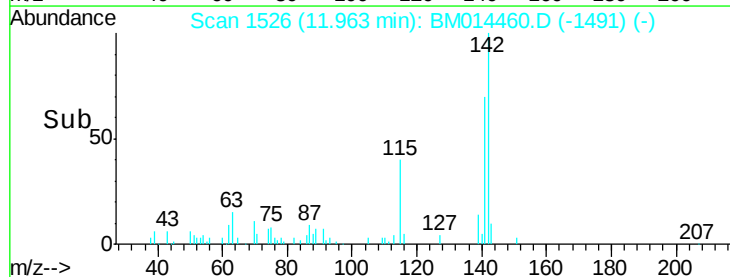
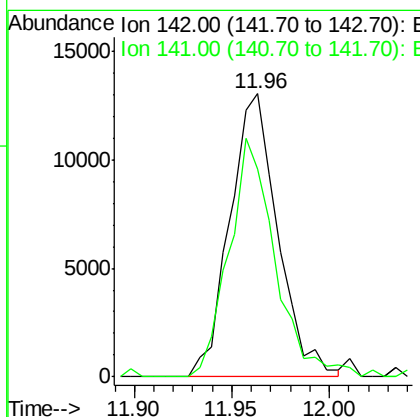
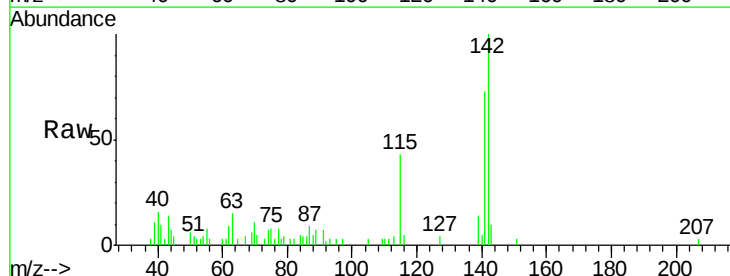
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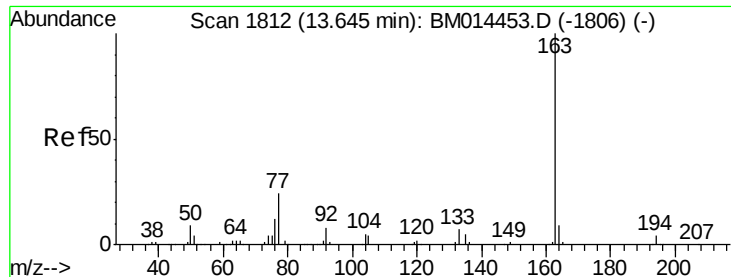
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#34
2-Methylnaphthalene
Concen: 1.571 ng/ul
RT: 11.96 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	73.4	74.1	111.1#





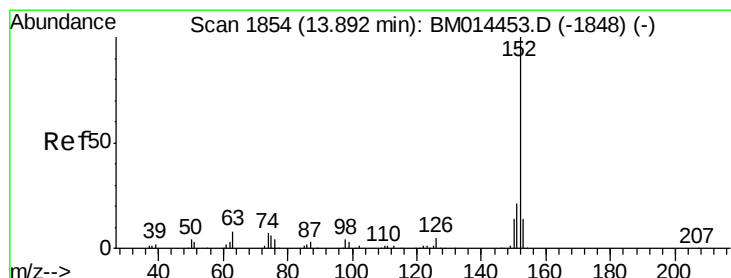
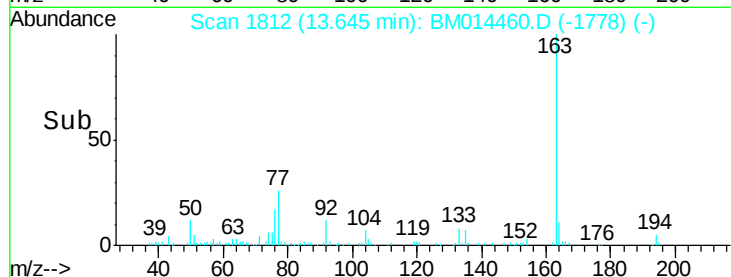
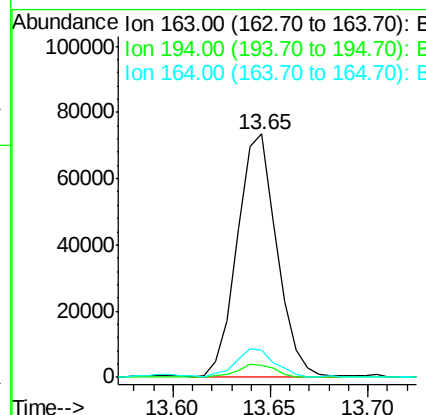
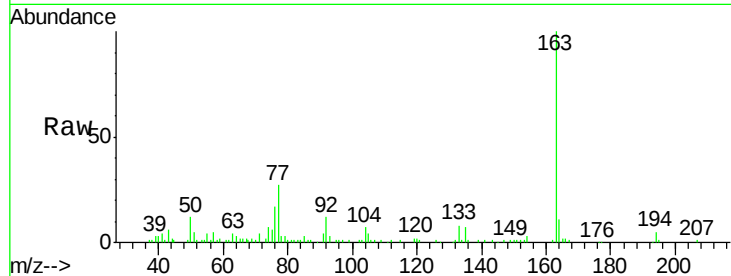
#44
Dimethylphthalate
Concen: 4.951 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Instrument :
BNA_M
ClientSampleId :
BE5W1RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	11.0	8.2	12.4

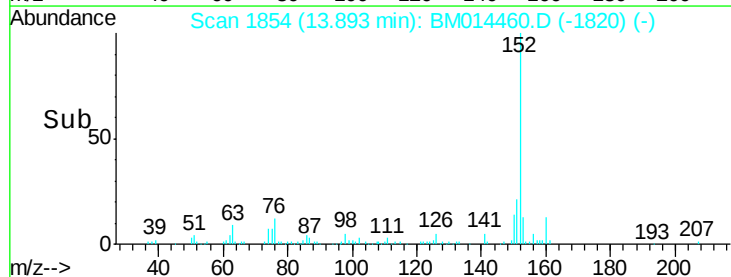
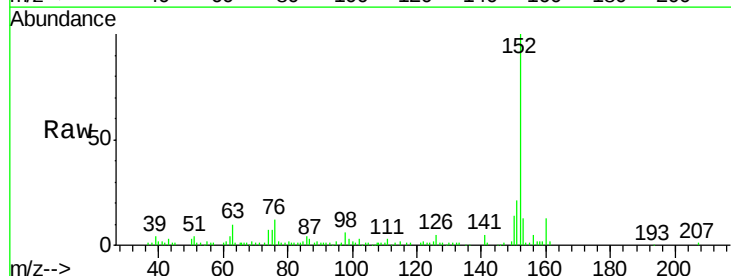
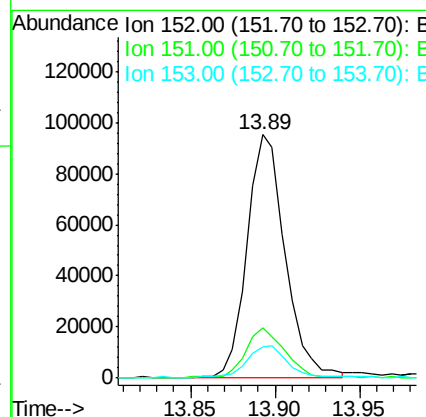
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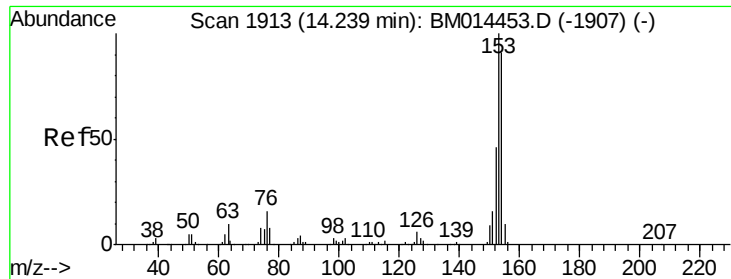
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#47
Acenaphthylene
Concen: 6.138 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	12.8	10.2	15.4





#49

Acenaphthene

Concen: 6.501 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

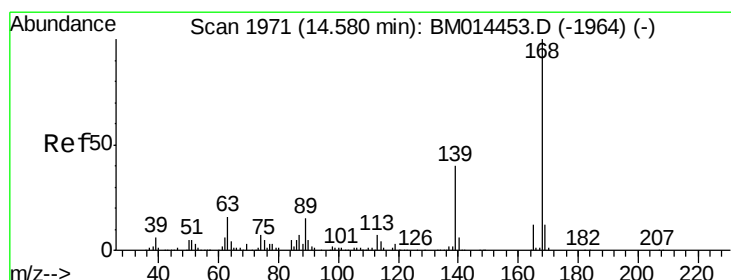
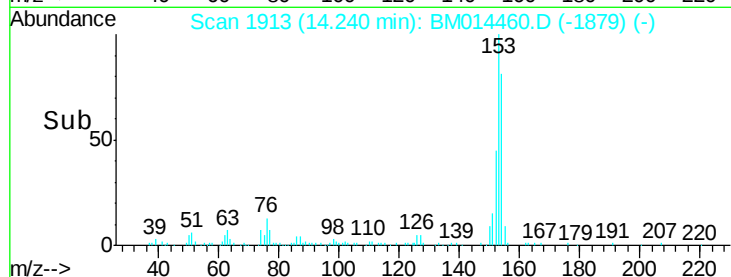
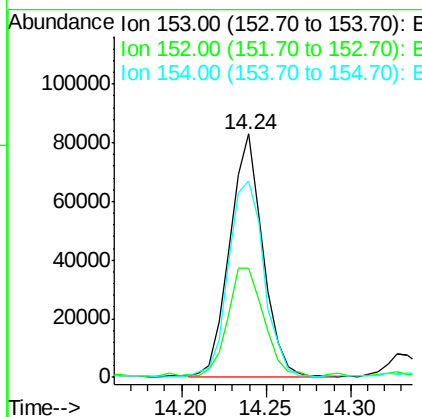
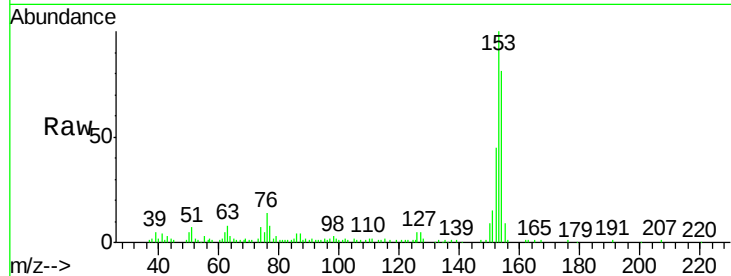
ClientSampleId :

BE5W1RE

Tot Ion:	153	Resp:	112142
Ion Ratio	Lower	Upper	
153	100		
152	45.1	37.6	56.4
154	80.8	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 3.071 ng/ul

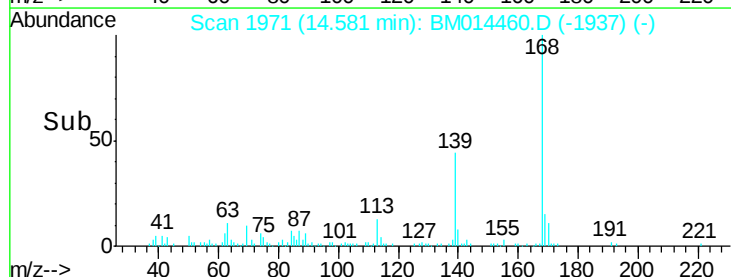
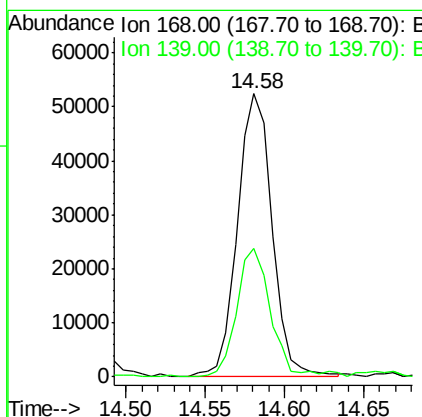
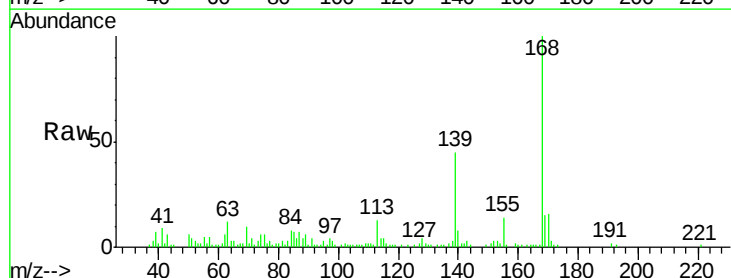
RT: 14.58 min Scan# 1971

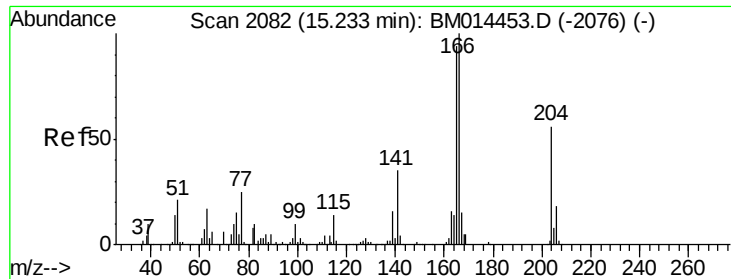
Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Tgt Ion:	168	Resp:	79431
Ion Ratio	Lower	Upper	
168	100		
139	45.4	30.8	46.2





#58

Fluorene

Concen: 6.167 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

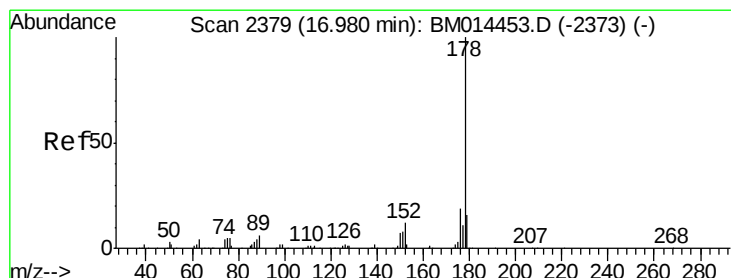
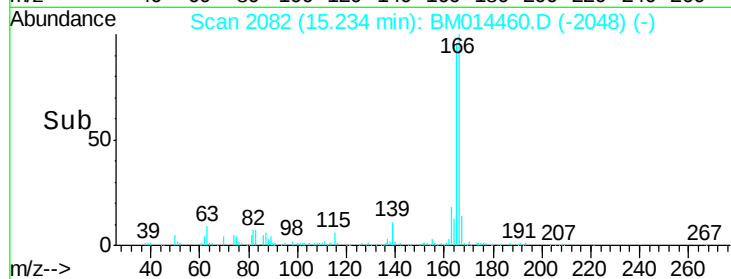
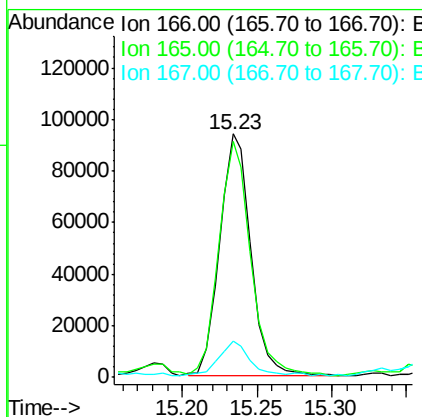
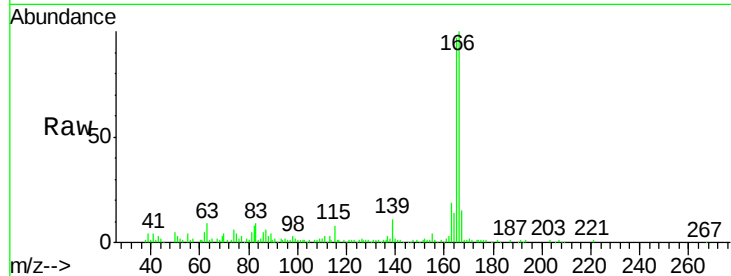
ClientSampleId :

BE5W1RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		137704		
165	97.0	77.9	116.9		
167	14.7	10.6	16.0		

Manual Integrations
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#69

Phenanthrene

Concen: 79.611 ng/ul

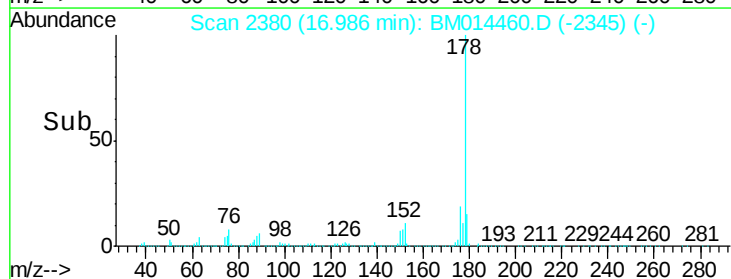
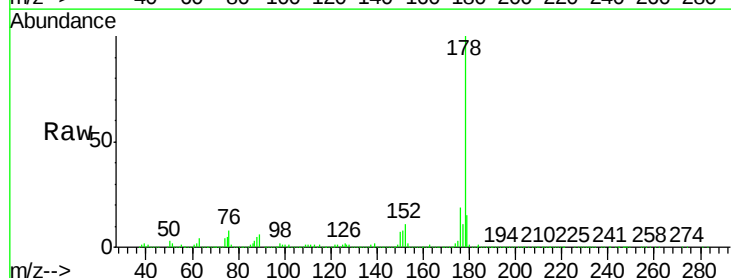
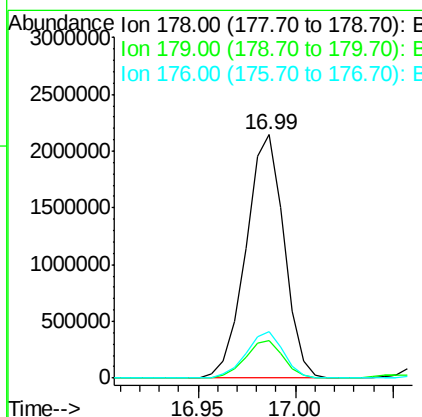
RT: 16.99 min Scan# 2380

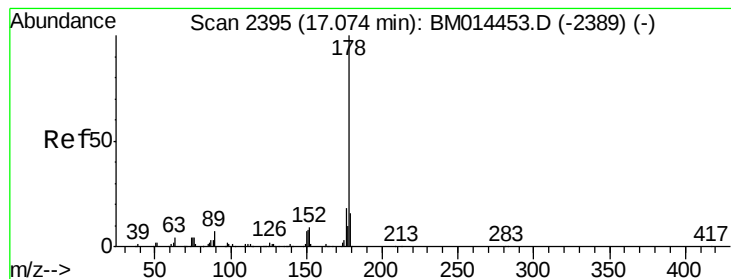
Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		2889019		
179	15.4	12.6	19.0		
176	19.1	14.9	22.3		





#71

Anthracene

Concen: 18.804 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

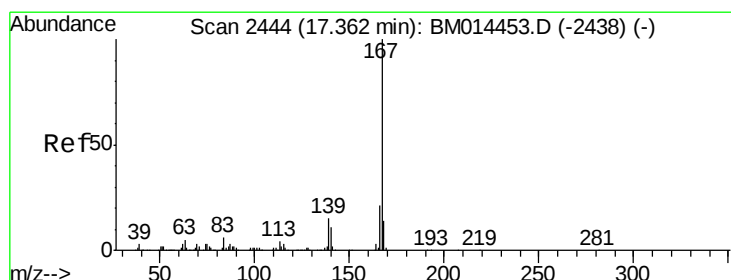
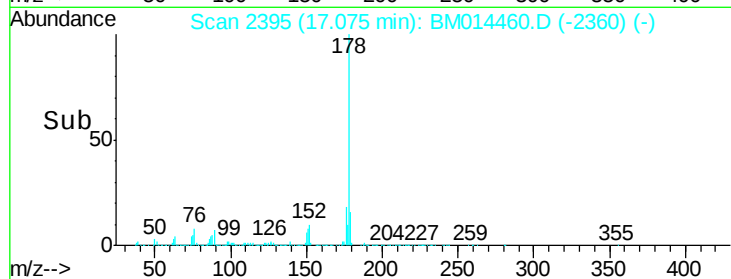
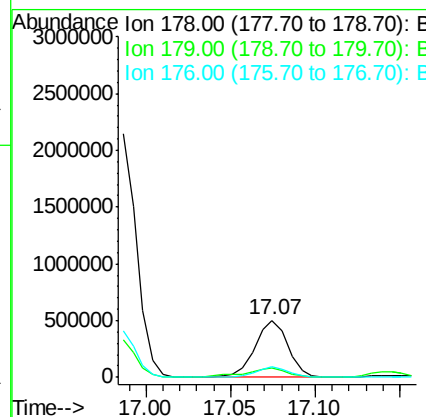
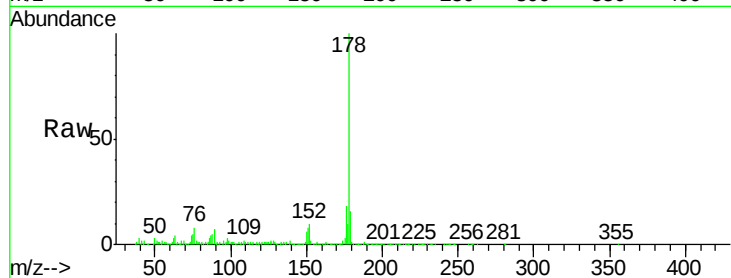
ClientSampleId :

BE5W1RE

Tot Ion:	178	Resp:	686256
Ion Ratio	Lower	Upper	
178	100		
179	16.0	11.7	17.5
176	18.5	14.6	21.8

Manual Integrations
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#72

Carbazole

Concen: 8.820 ng/ul

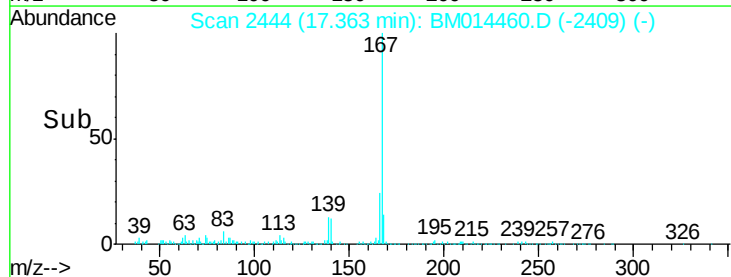
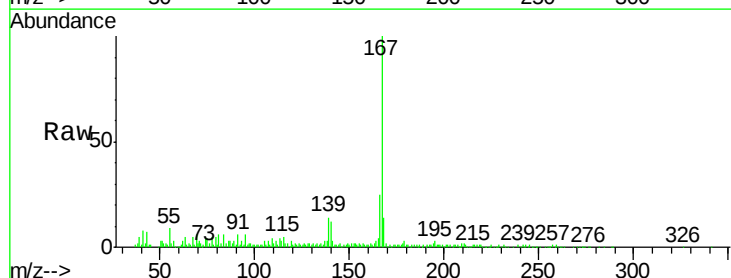
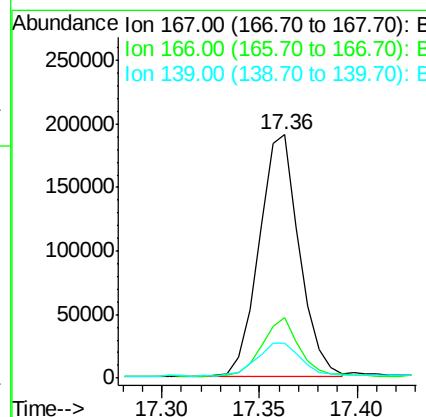
RT: 17.36 min Scan# 2444

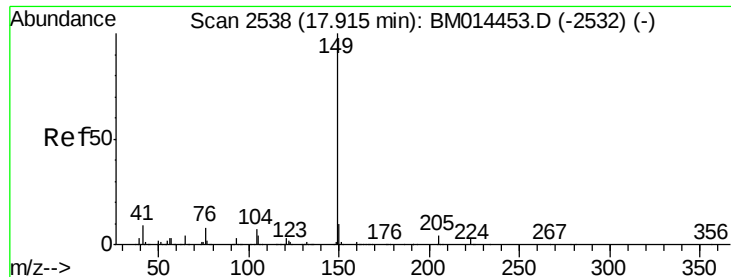
Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Tgt Ion:	167	Resp:	270664
Ion Ratio	Lower	Upper	
167	100		
166	24.8	17.1	25.7
139	14.2	10.0	15.0





#73

Di-n-butylphthalate

Concen: 67.385 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

BE5W1RE

Tot Ion:149 Resp: 2667818

Ion Ratio Lower Upper

149 100

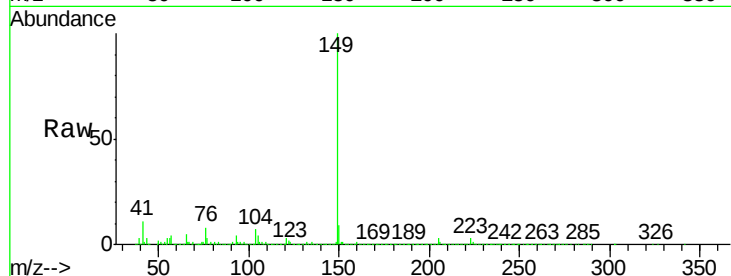
150 9.0 7.1 10.7

104 7.5 5.6 8.4

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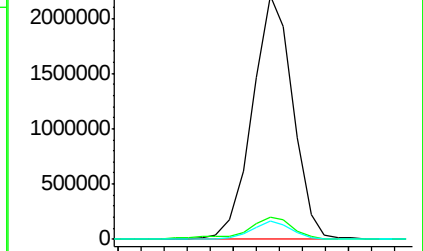
3/5/2018 3:21:04 PM



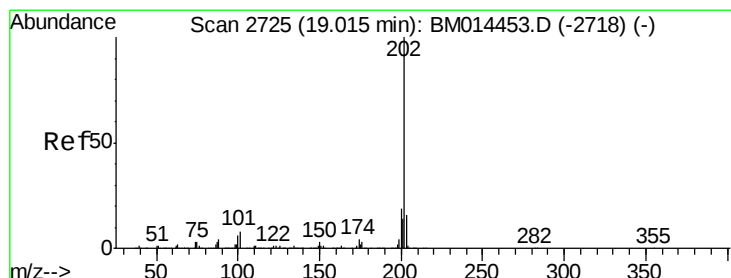
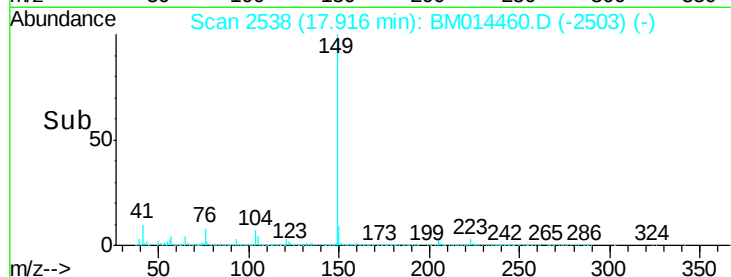
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 17.85 17.90 17.95



#74

Fluoranthene

Concen: 125.575 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

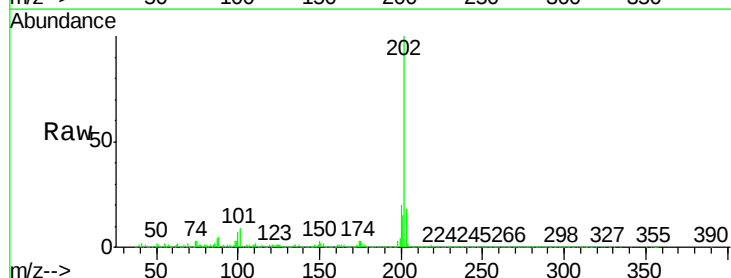
Tgt Ion:202 Resp: 5444418

Ion Ratio Lower Upper

202 100

101 8.8 4.6 7.0#

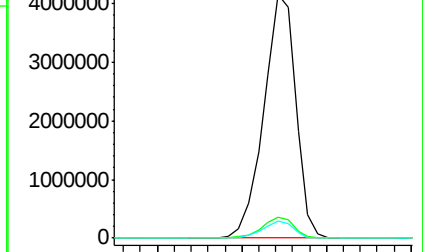
100 6.9 3.4 5.2#



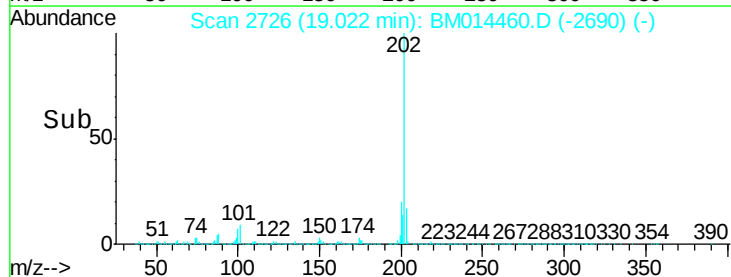
Abundance Ion 202.00 (201.70 to 202.70): E

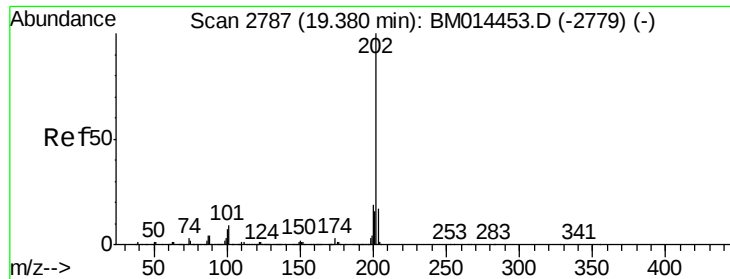
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 18.95 19.00 19.05





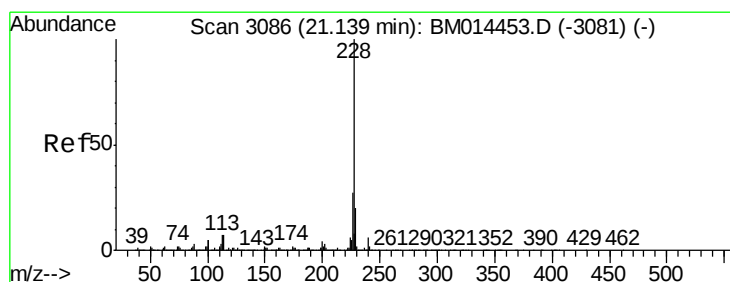
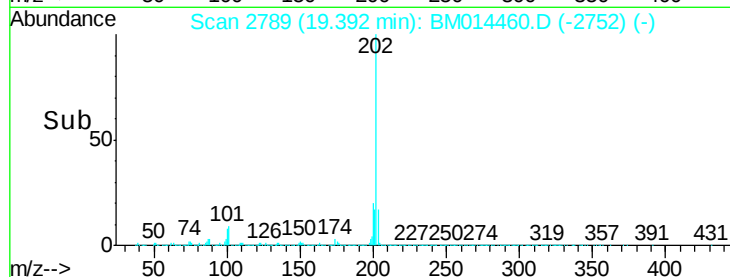
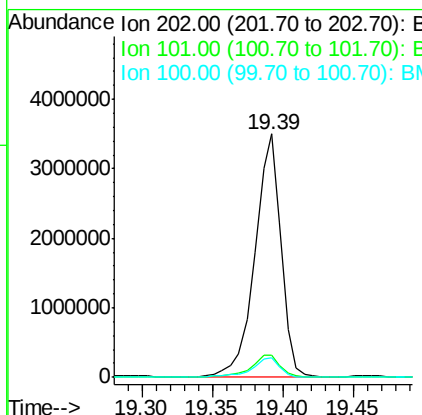
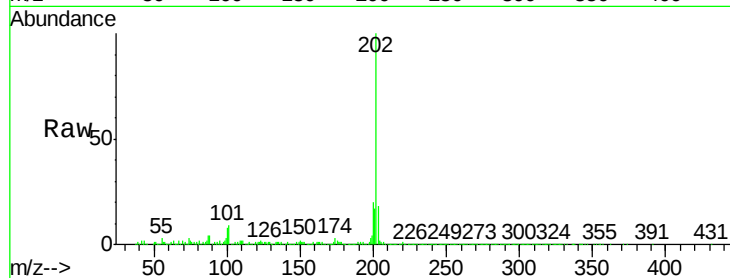
#77
Pvrene
Concen: 107.450 ng/ul
RT: 19.39 min Scan# 2789
Delta R.T. 0.02 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Instrument :
BNA_M
ClientSampleId :
BE5W1RE

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	5.1	7.7#
100	8.3	4.9	7.3#

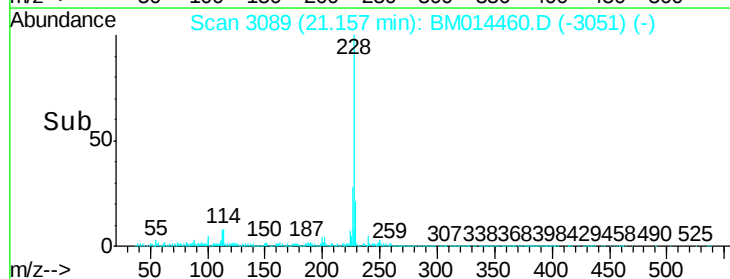
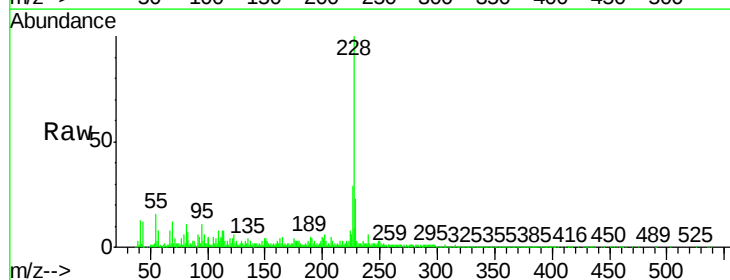
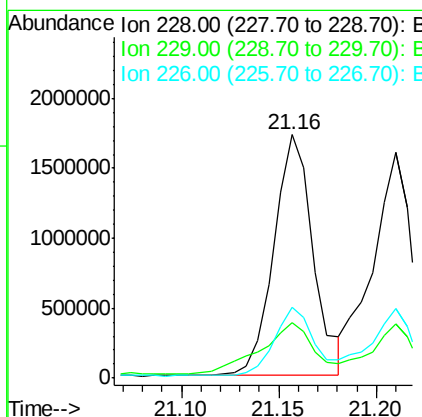
Manual Integrations
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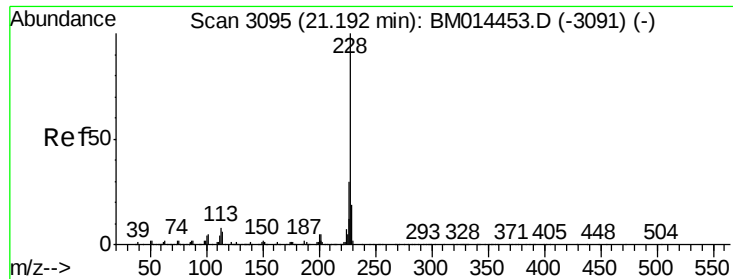
Sohil
3/5/2018 3:21:04 PM



#80
Benzo(a)anthracene
Concen: 60.768 ng/ul
RT: 21.16 min Scan# 3089
Delta R.T. 0.02 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.4	23.0
226	28.9	21.4	32.0





#82

Chrysene

Concen: 59.790 ng/ul m

RT: 21.21 min Scan# 3098

Delta R.T. 0.02 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

BE5W1RE

Tot Ion:228 Resp: 2212302

Ion Ratio Lower Upper

228 100

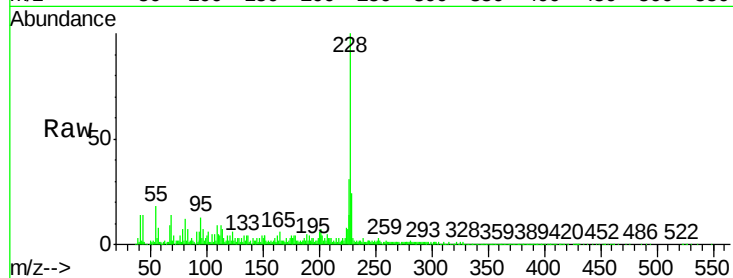
226 30.7 23.4 35.2

229 24.0 15.5 23.3#

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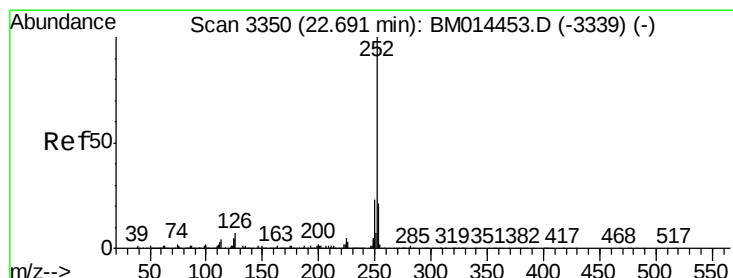
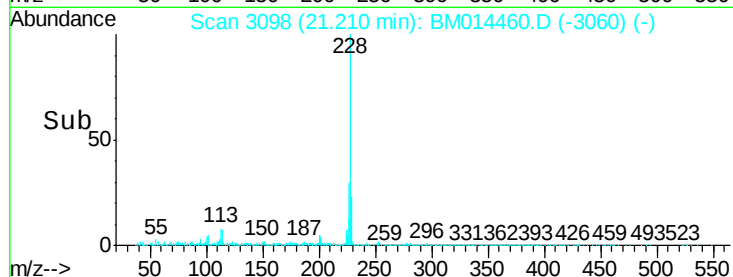
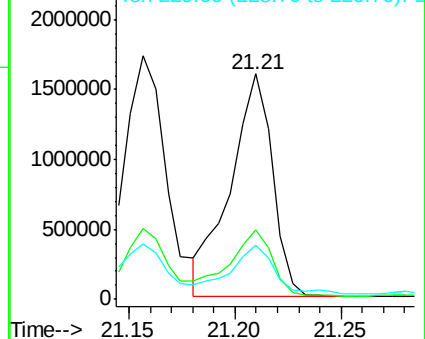
3/5/2018 3:21:04 PM



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: 77.015 ng/ul m

RT: 22.74 min Scan# 3358

Delta R.T. 0.06 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

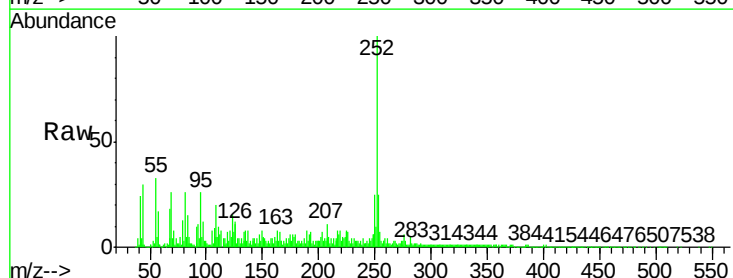
Tgt Ion:252 Resp: 3190102

Ion Ratio Lower Upper

252 100

253 24.9 17.9 26.9

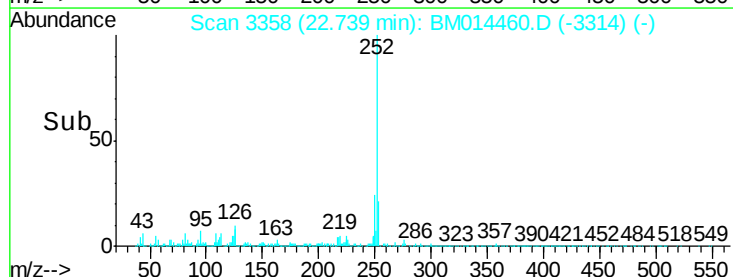
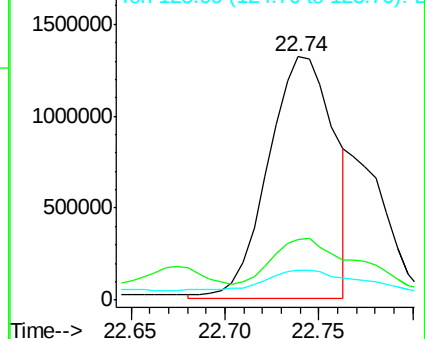
125 12.1 3.6 5.4#

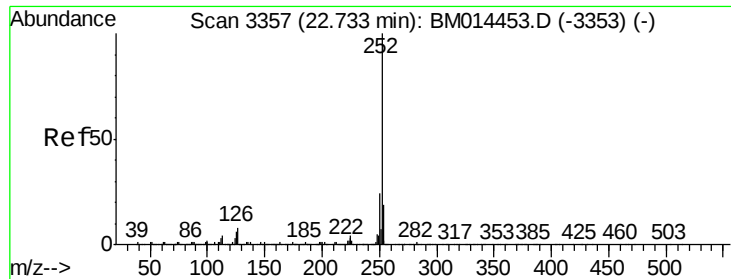


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





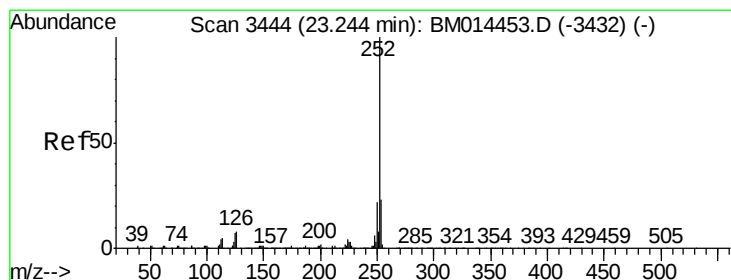
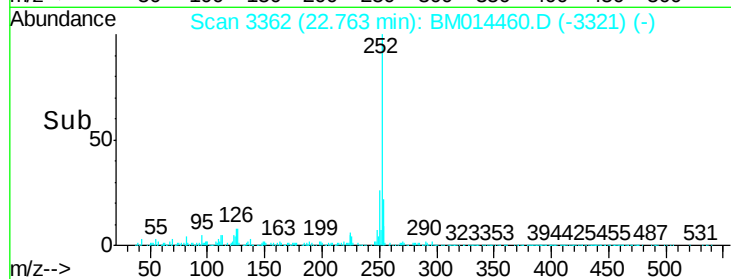
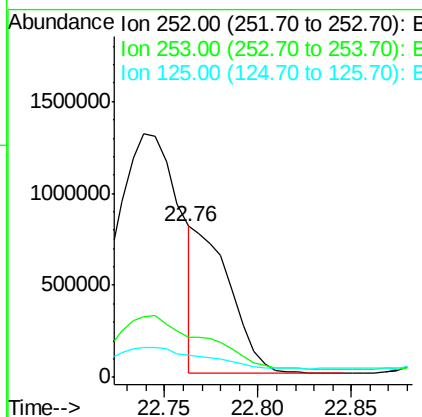
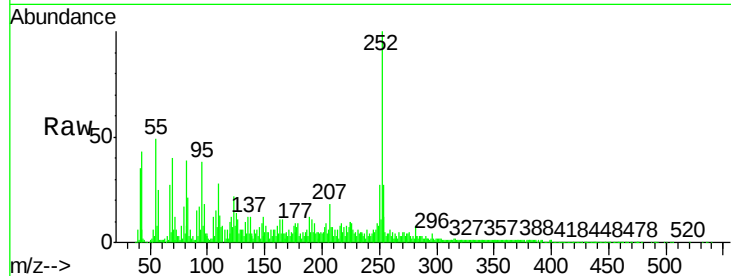
#86
Benzo(k)fluoranthene
Concen: 27.390 ng/ul m
RT: 22.76 min Scan# 3362
Delta R.T. 0.04 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Instrument :
BNA_M
ClientSampleId :
BE5W1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.1	25.7#
125	14.5	3.4	5.2#

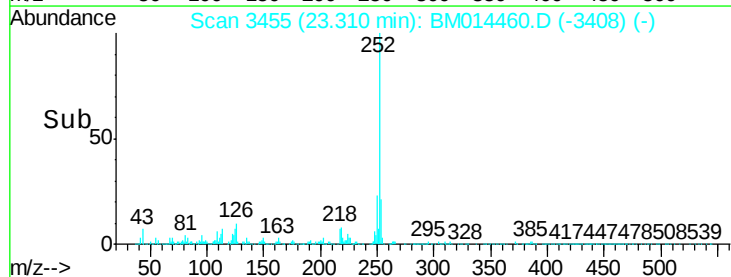
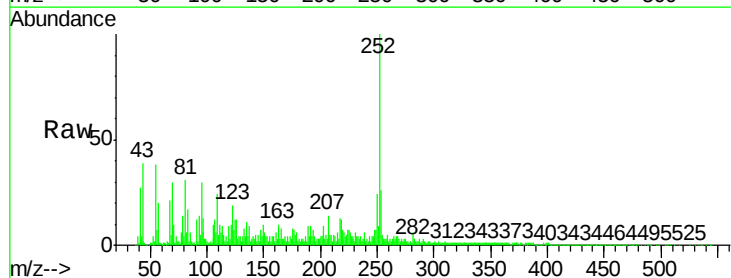
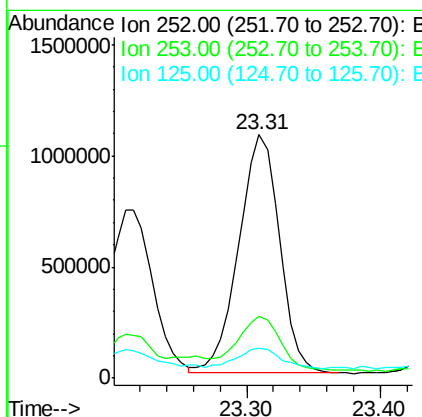
Manual Integrations
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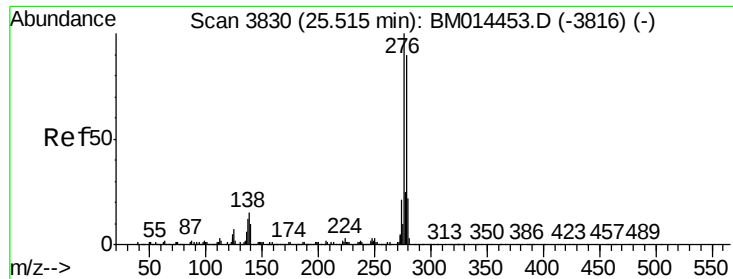
Sohil
3/5/2018 3:21:04 PM



#88
Benzo(a)pyrene
Concen: 61.618 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. 0.08 min
Lab File: BM014460.D
Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.2	27.2
125	12.3	4.0	6.0#





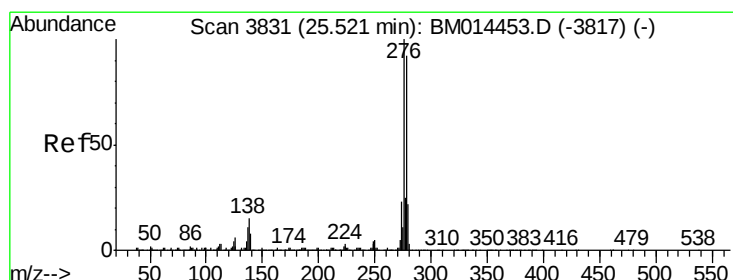
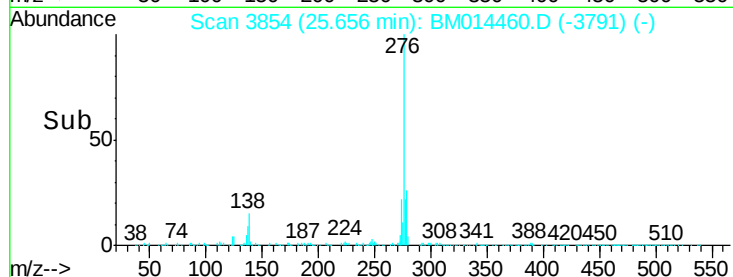
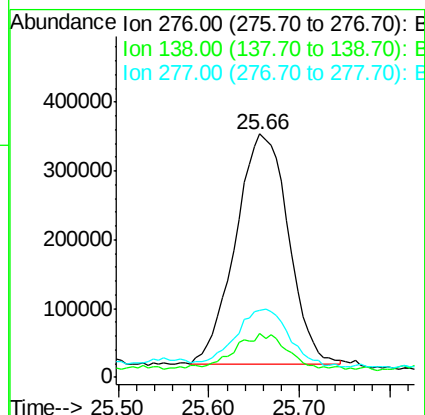
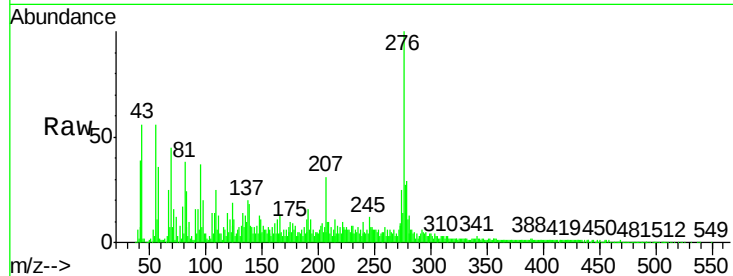
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 37.456 ng/ul
 RT: 25.66 min Scan# 3854
 Delta R.T. 0.17 min
 Lab File: BM014460.D
 Acq: 02 Mar 2018 14:07

Instrument :
 BNA_M
 ClientSampleId :
 BE5W1RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.2	9.3	13.9#
277	27.4	19.9	29.9

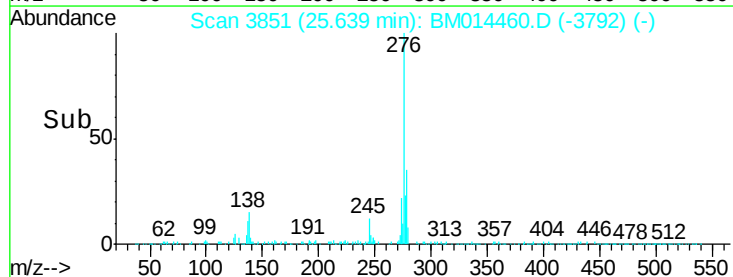
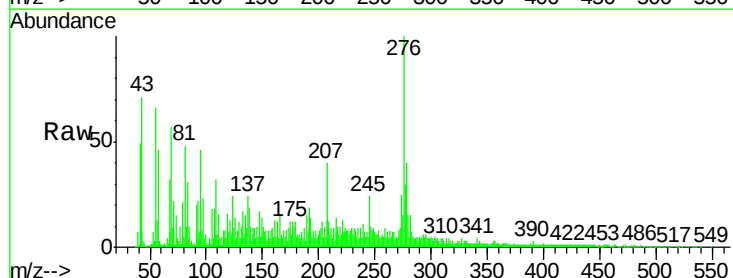
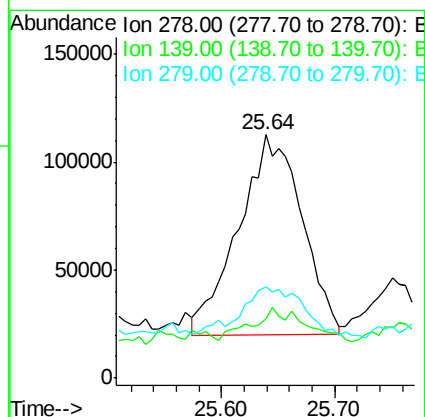
Manual Integrations
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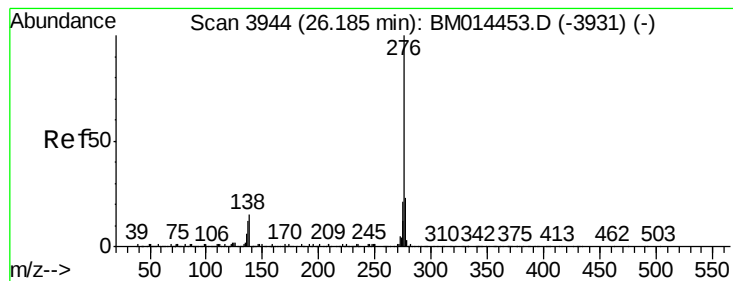
Sohil
 3/5/2018 3:21:04 PM



#90
 Dibenzo(a,h)anthracene
 Concen: 12.042 ng/ul m
 RT: 25.64 min Scan# 3851
 Delta R.T. 0.15 min
 Lab File: BM014460.D
 Acq: 02 Mar 2018 14:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	5.8	8.8#
279	37.4	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 38.507 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.20 min

Lab File: BM014460.D

Acq: 02 Mar 2018 14:07

Instrument :

BNA_M

ClientSampleId :

BE5W1RE

Tot Ion:276 Resp: 1120433

Ion Ratio Lower Upper

276 100

138 17.8 8.5 12.7#

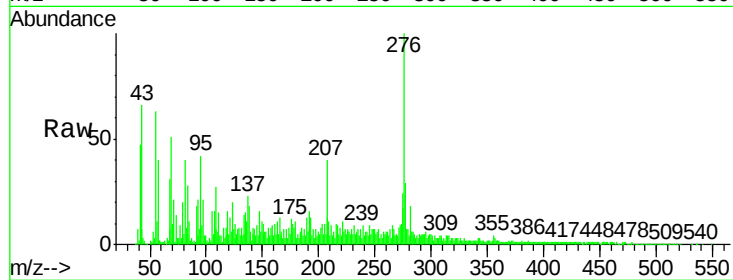
277 29.1 18.6 28.0#

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

