

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014474.D
 Acq On : 05 Mar 2018 15:47
 Operator : SJ/JU
 Sample : J1678-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T8

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:46:54 PM

Quant Time: Mar 05 23:11:21 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:00:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	102162	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	451650	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	266666	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	502382	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	375036	20.00	ng/ul	0.00
83) Perylene-d12	23.35	264	366346	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9438	3.95	ng/uL	0.00
5) Phenol-d5	6.73	99	258712	29.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	158982	30.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	213863	32.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	205802	27.24	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	106886	32.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	126931	36.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	220276	30.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	184215m	26.13	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	781116	35.47	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	949804	34.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	74463m	24.49	ng/ul	0.00
57) Fluorene-d10	15.18	176	627319	31.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	42473	14.09	ng/ul	0.00
70) Anthracene-d10	17.04	188	858775	35.43	ng/ul	0.00
76) Pyrene-d10	19.36	212	766243	39.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	614053	34.44	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.76	94	18219	2.011	ng/ul#	84
28) Naphthalene	10.33	128	43449	1.873	ng/ul	97
44) Dimethylphthalate	13.65	163	103714	4.776	ng/ul#	96
47) Acenaphthylene	13.90	152	109750	4.276	ng/ul	98
49) Acenaphthene	14.24	153	72290	4.000	ng/ul	98
53) Dibenzofuran	14.59	168	67200	2.480	ng/ul	90
56) Diethylphthalate	15.02	149	86553	3.577	ng/ul#	87
58) Fluorene	15.24	166	83962	3.589	ng/ul	94
69) Phenanthrene	16.99	178	1971552	68.113	ng/ul	99
71) Anthracene	17.07	178	359195	12.339	ng/ul	99
72) Carbazole	17.36	167	127708	5.217	ng/ul	95
74) Fluoranthene	19.02	202	2915247	84.300	ng/ul#	95
77) Pyrene	19.39	202	2523166	101.235	ng/ul#	94
78) Butylbenzylphthalate	20.29	149	13845	1.343	ng/ul	88
80) Benzo(a)anthracene	21.14	228	1088057	46.486	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	3182371	215.620	ng/ul#	95
82) Chrysene	21.20	228	985980	45.156	ng/ul	97
84) Di-n-octyl phthalate	21.94	149	279862	8.902	ng/ul#	61
85) Benzo(b)fluoranthene	22.70	252	1221386	49.792	ng/ul#	98
86) Benzo(k)fluoranthene	22.74	252	401007m	17.194	ng/ul	
88) Benzo(a)pyrene	23.26	252	903869	41.235	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.53	276	554469	26.068	ng/ul	97
90) Dibenzo(a,h)anthracene	25.53	278	158446	8.965	ng/ul#	84

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Misc :
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Instrument :
BNA_M
ClientSampleId :
BE5T8

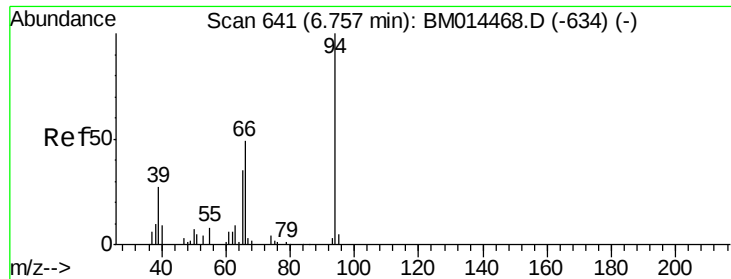
Manual Integrations
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3/6/2018 5:46:54 PM

Quant Time: Mar 05 23:11:21 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:00:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.21	276	438481	25.447	ng/ul	99

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



#6

Phenol

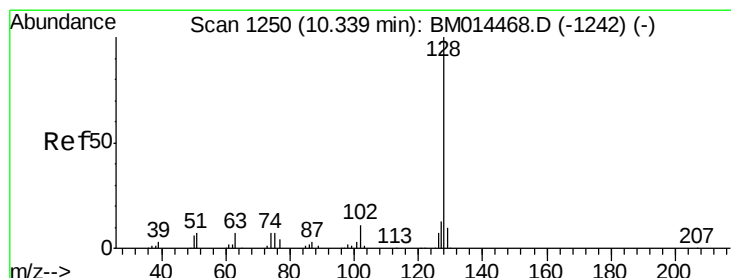
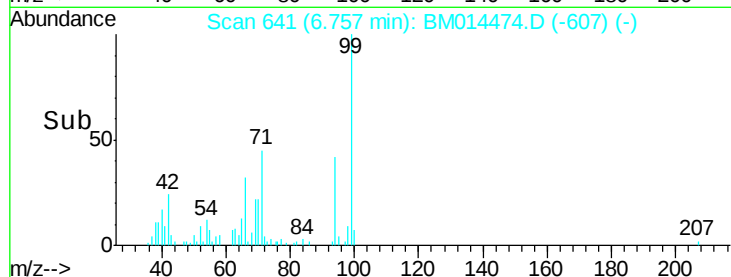
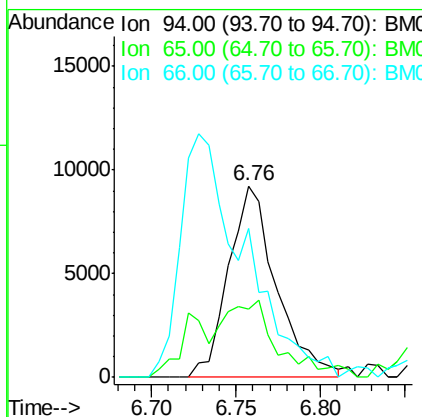
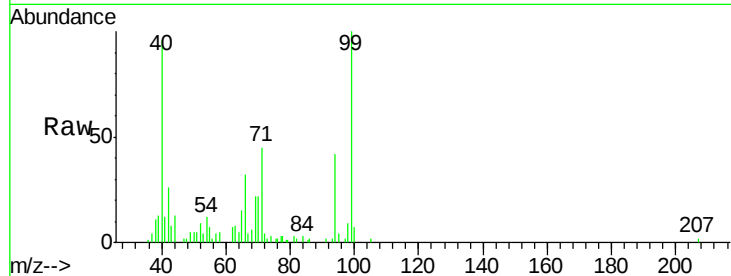
Concen: 2.011 ng/ul
 RT: 6.76 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

Instrument :
 BNA_M
 ClientSampleId :
 BE5T8

Tot Ion	Ratio	Lower	Upper
94	100		
65	35.3	28.2	42.4
66	77.7	47.2	70.8

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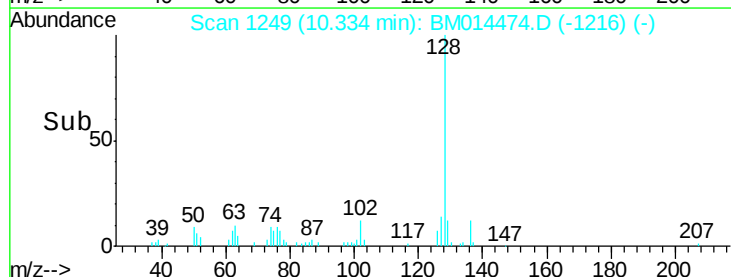
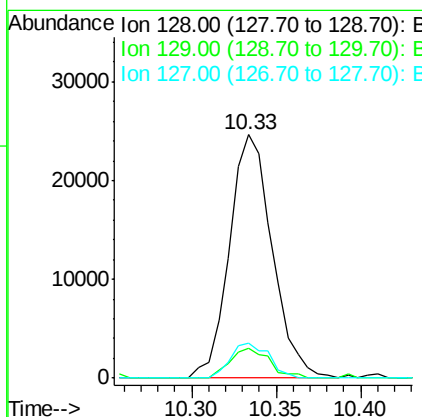
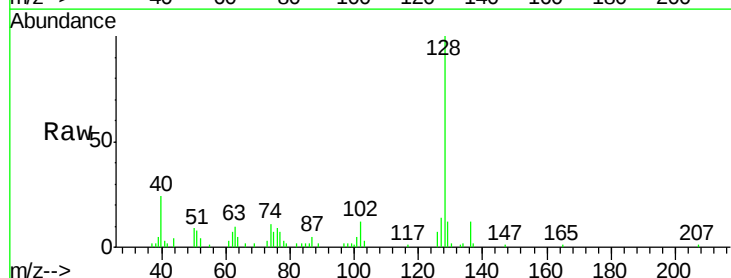


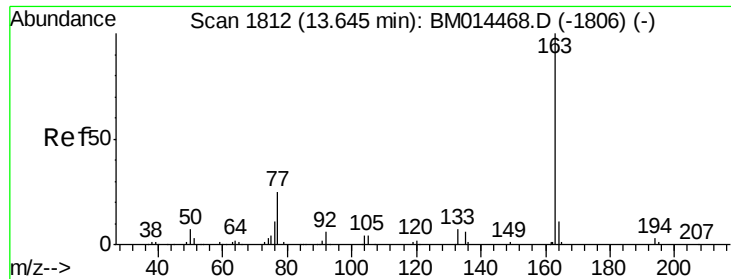
#28

Naphthalene

Concen: 1.873 ng/ul
 RT: 10.33 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.8	13.2
127	14.3	10.6	16.0





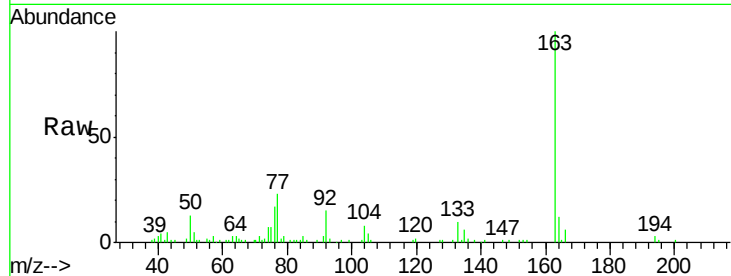
#44
Dimethylphthalate
Concen: 4.776 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Instrument :
BNA_M
ClientSampleId :
BE5T8

Tot Ion	Ratio	Resp	Lower	Upper
163	100	103714		
194	3.4	3.5	5.3#	
164	11.8	8.2	12.4	

Manual Integrations
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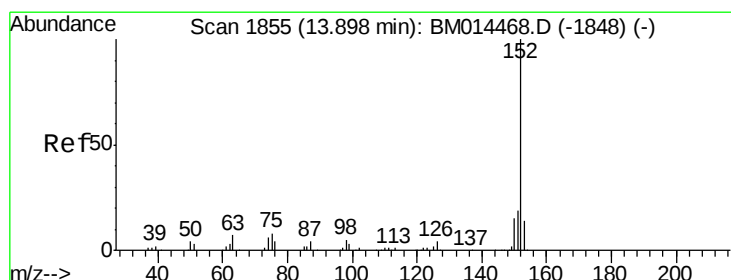
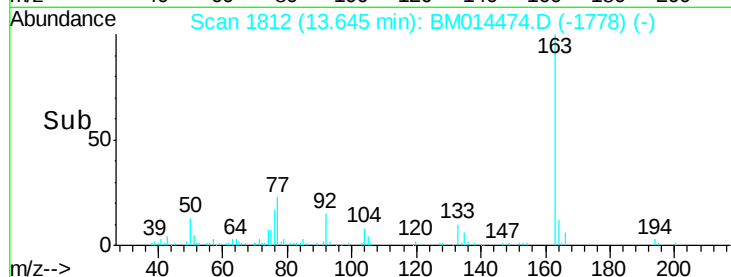
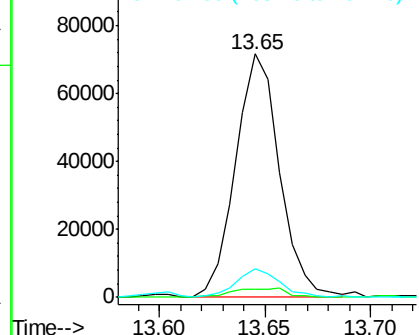


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 4.276 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

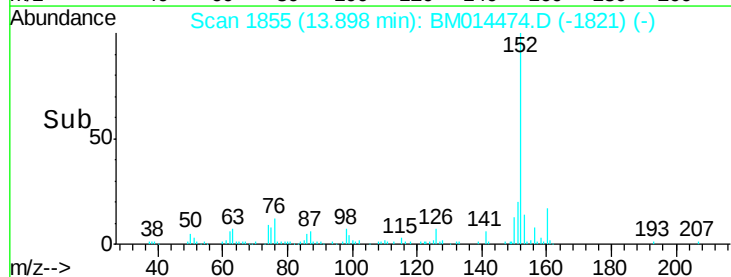
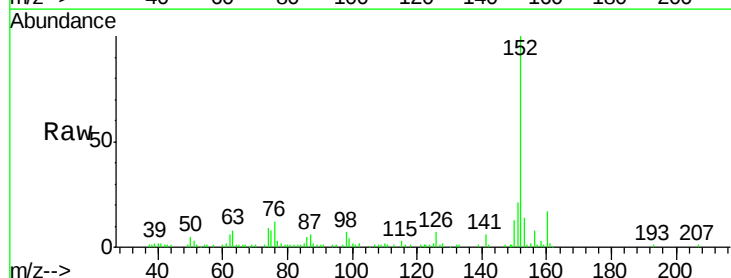
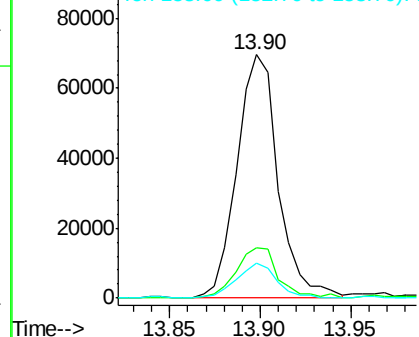
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109750		
151	20.7	16.3	24.5	
153	14.3	10.2	15.4	

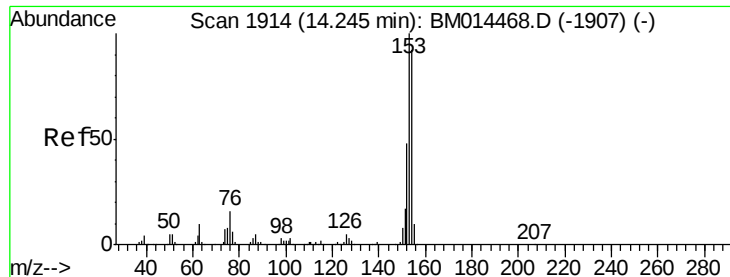
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.000 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

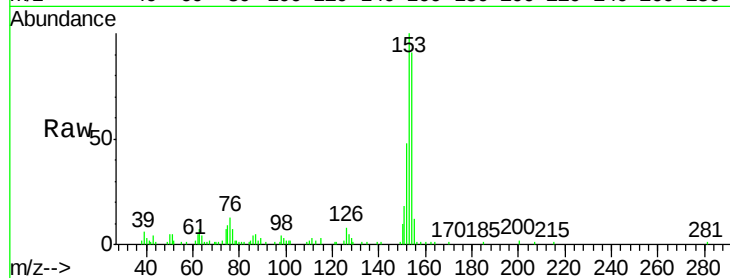
ClientSampleId :

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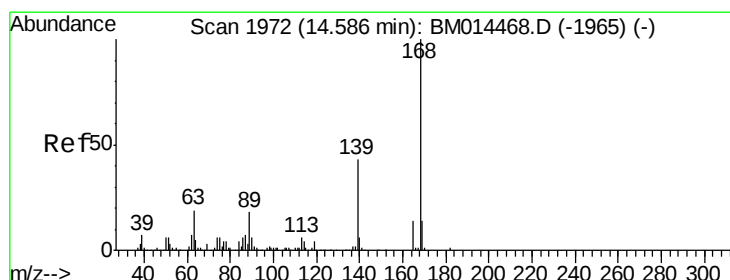
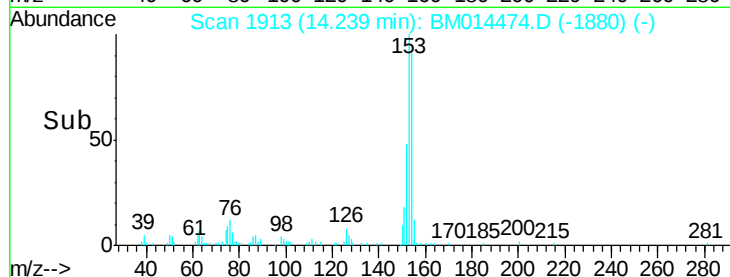
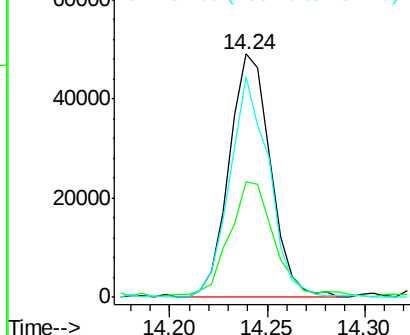
Tot Ion:	153	Resp:	72290
Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.6	56.4
154	90.5	70.4	105.6

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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: 2.480 ng/ul

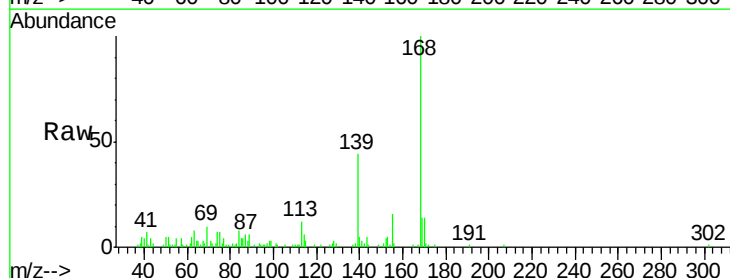
RT: 14.59 min Scan# 1972

Delta R.T. 0.00 min

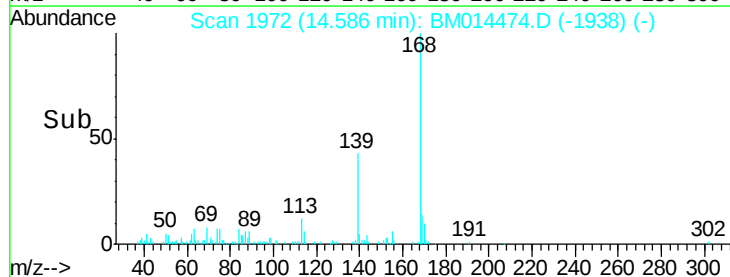
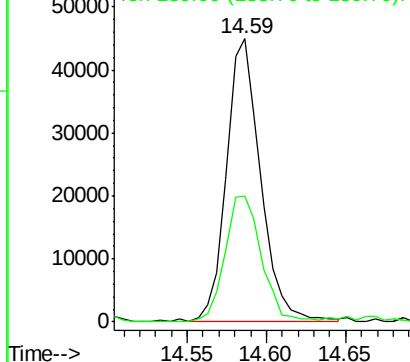
Lab File: BM014474.D

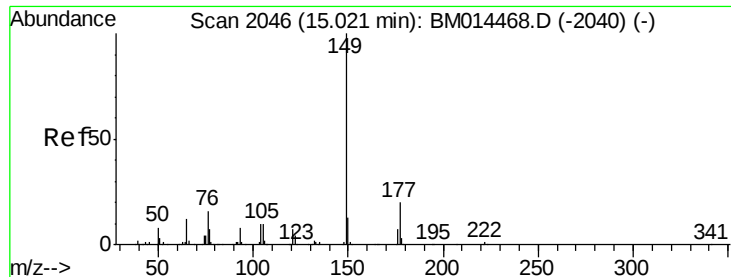
Acq: 05 Mar 2018 15:47

Tgt Ion:	168	Resp:	67200
Ion	Ratio	Lower	Upper
168	100		
139	44.4	30.8	46.2



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





#56

Diethylphthalate

Concen: 3.577 ng/ul

RT: 15.02 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

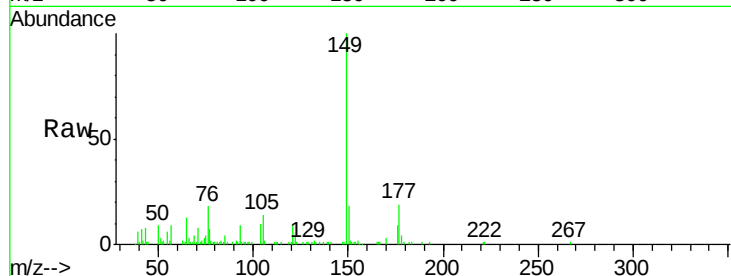
ClientSampled :

BE5T8

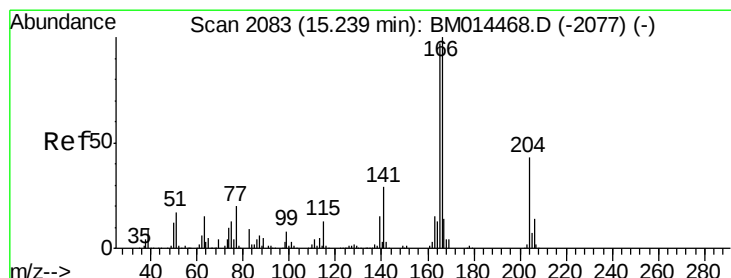
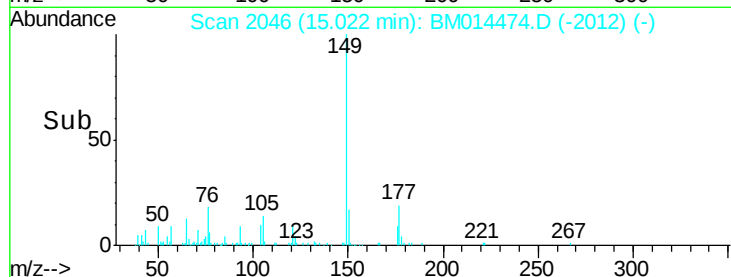
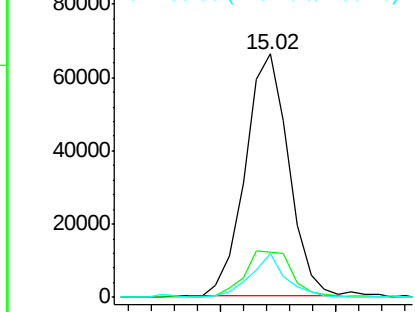
Tot Ion	Ratio	Lower	Upper
149	100		
177	18.6	20.5	30.7#
150	17.8	10.6	15.8#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#58

Fluorene

Concen: 3.589 ng/ul

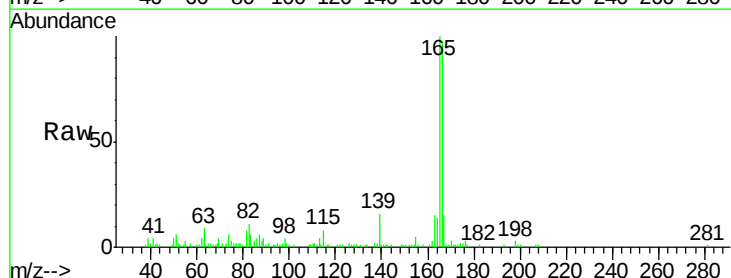
RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

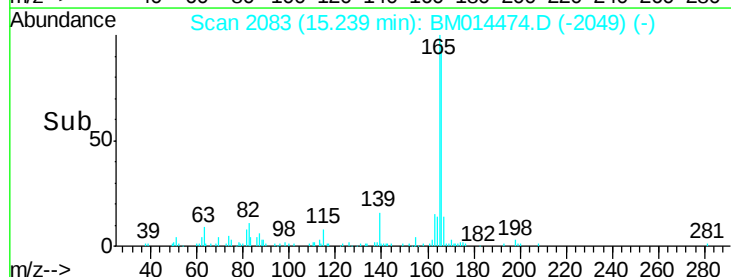
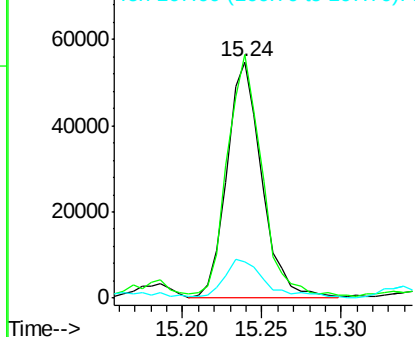
Lab File: BM014474.D

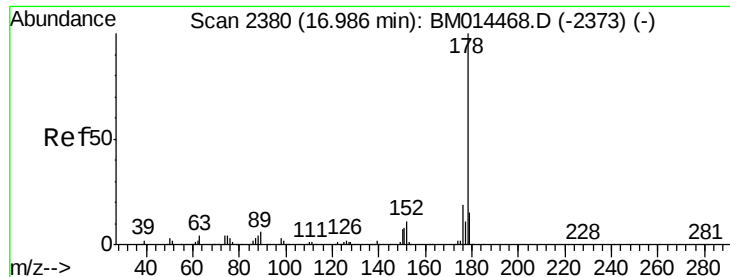
Acq: 05 Mar 2018 15:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.1	77.9	116.9
167	15.5	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 68.113 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

BE5T8

Tot Ion:178 Resp: 1971552

Ion Ratio Lower Upper

178 100

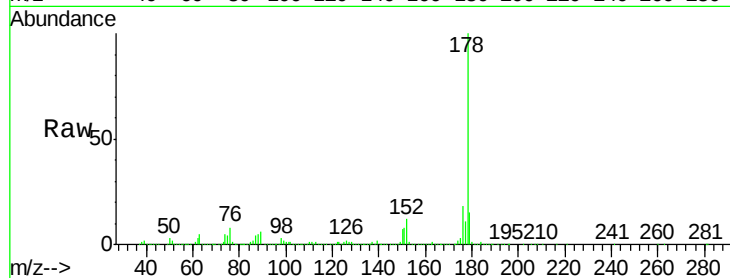
179 15.1 12.6 19.0

176 18.4 14.9 22.3

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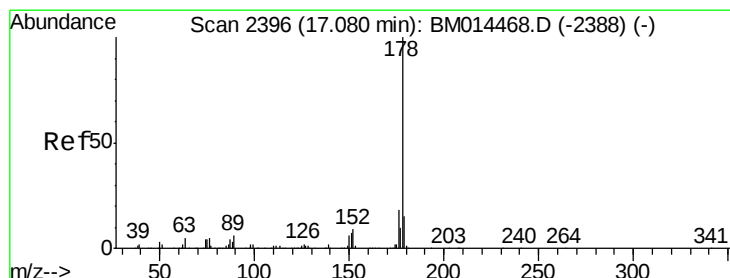
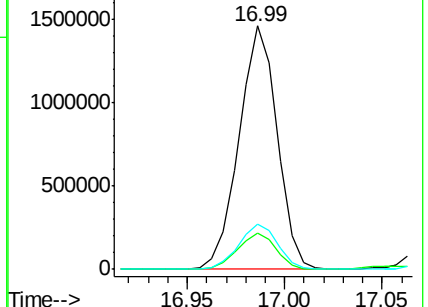
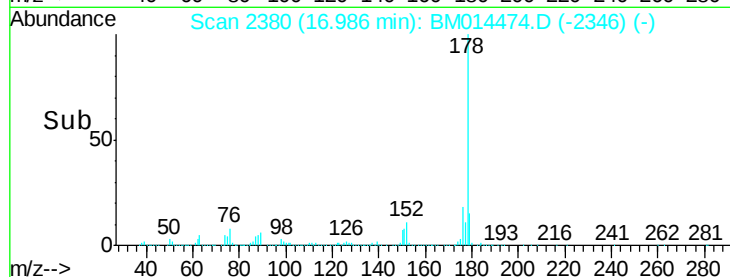
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 12.339 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

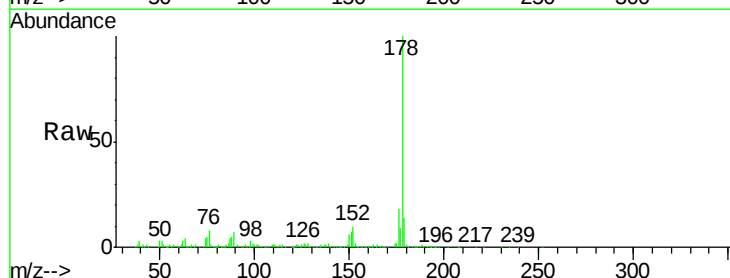
Tgt Ion:178 Resp: 359195

Ion Ratio Lower Upper

178 100

179 14.4 11.7 17.5

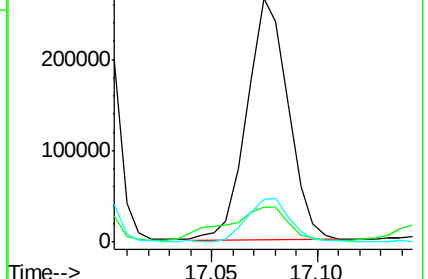
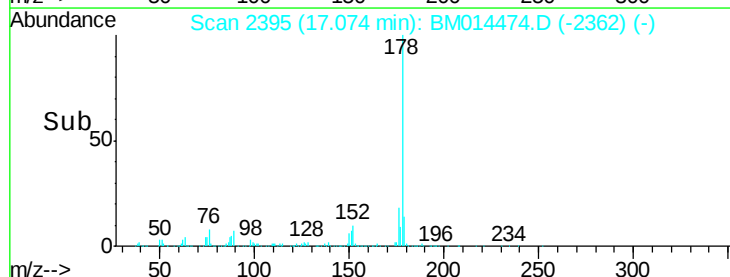
176 17.7 14.6 21.8

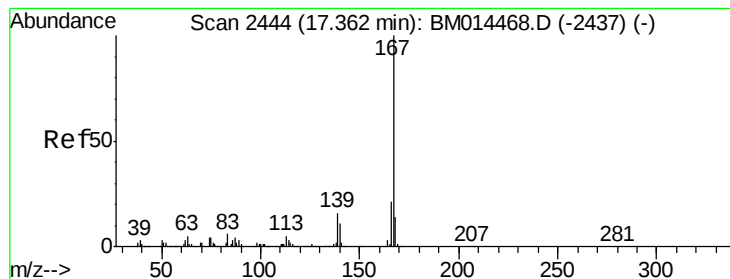


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 5.217 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

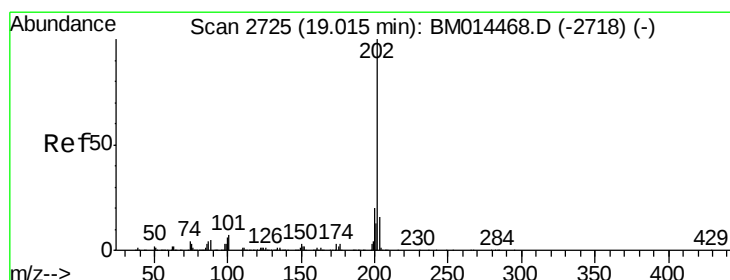
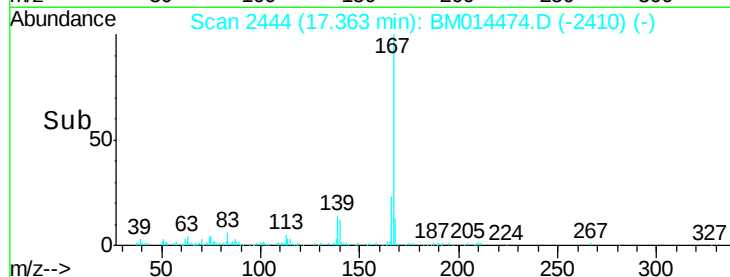
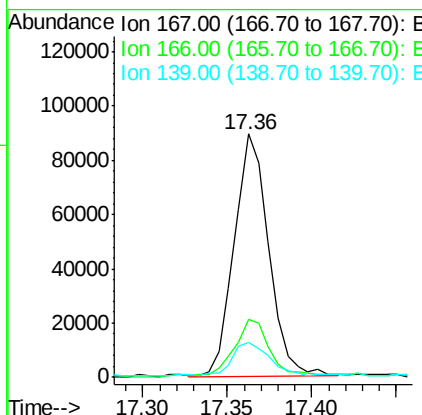
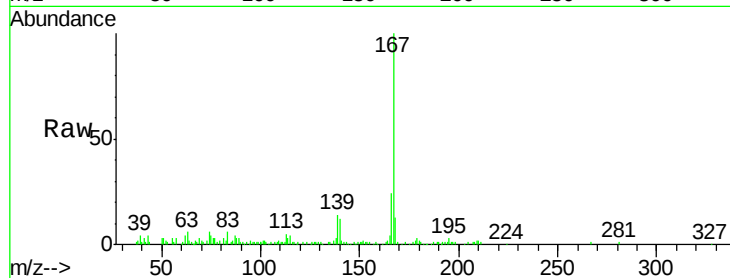
ClientSampleId :

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Tot Ion:	167	Resp:	127708
Ion Ratio	Lower	Upper	
167	100		
166	23.8	17.1	25.7
139	14.2	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 84.300 ng/ul

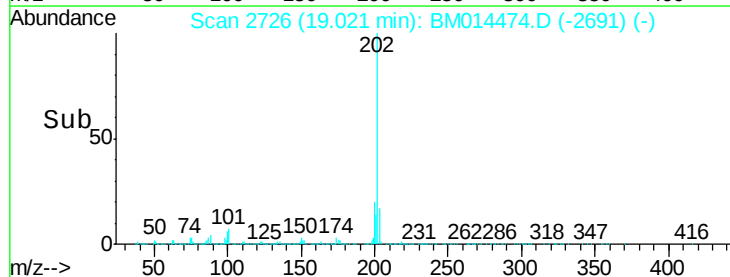
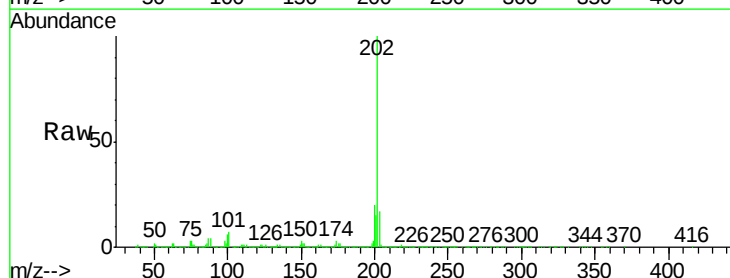
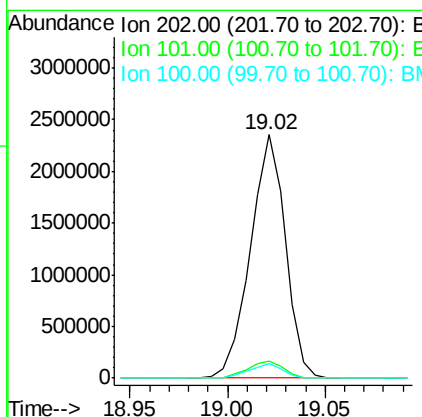
RT: 19.02 min Scan# 2726

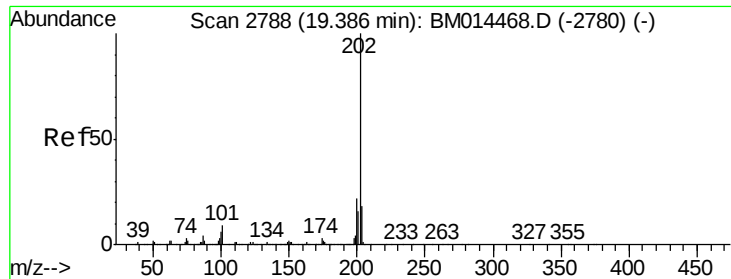
Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Tgt Ion:	202	Resp:	2915247
Ion Ratio	Lower	Upper	
202	100		
101	7.1	4.6	7.0#
100	6.0	3.4	5.2#





#77

Pvrene

Concen: 101.235 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

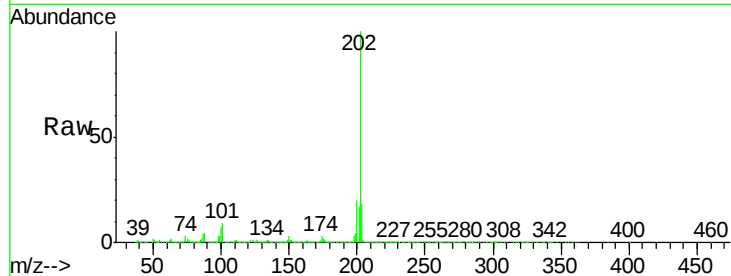
ClientSampled :

BE5T8

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.1	5.1	7.7#
100	7.1	4.9	7.3

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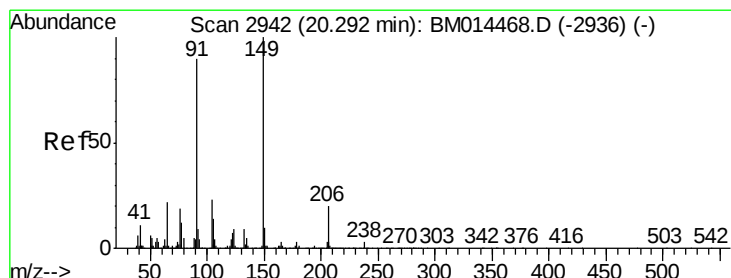
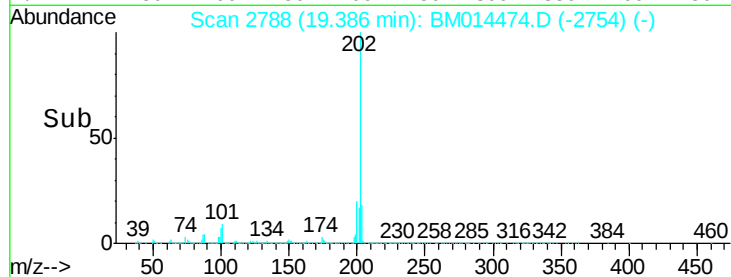
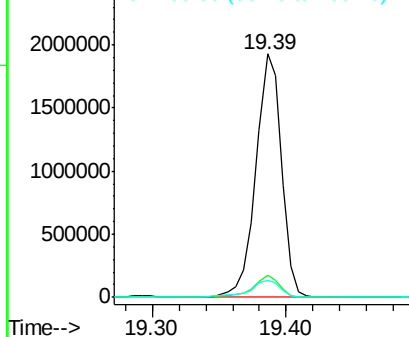


Abundance

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



#78

Butylbenzylphthalate

Concen: 1.343 ng/ul

RT: 20.29 min Scan# 2942

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

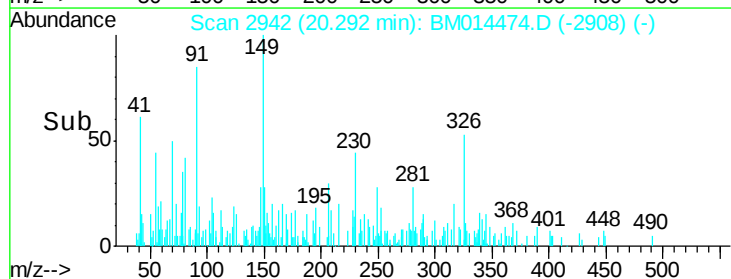
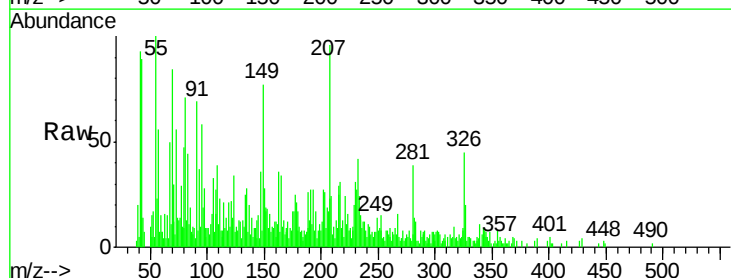
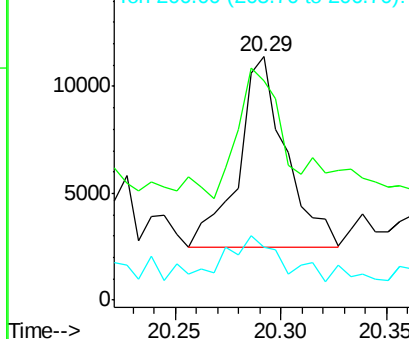
Tgt Ion	Ratio	Lower	Upper
149	100		
91	89.8	62.7	94.1
206	21.7	20.8	31.2

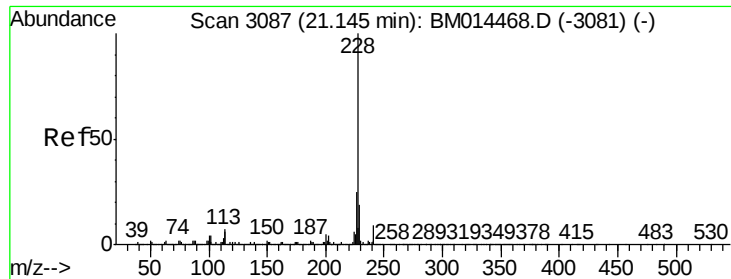
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





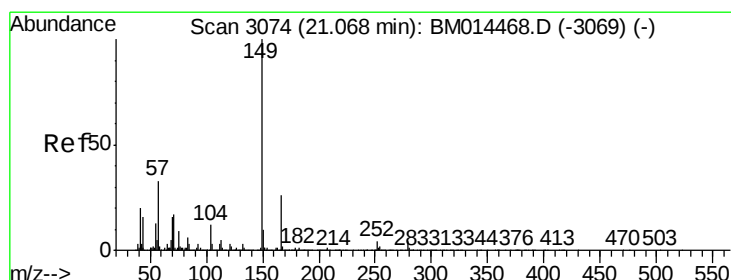
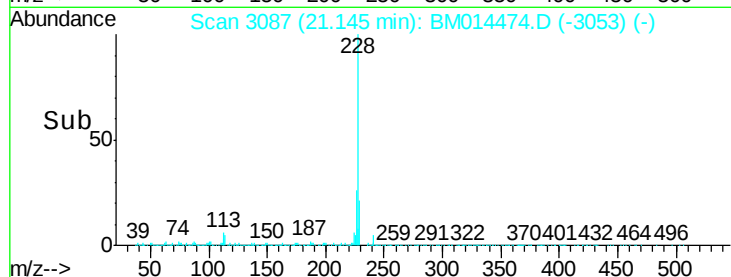
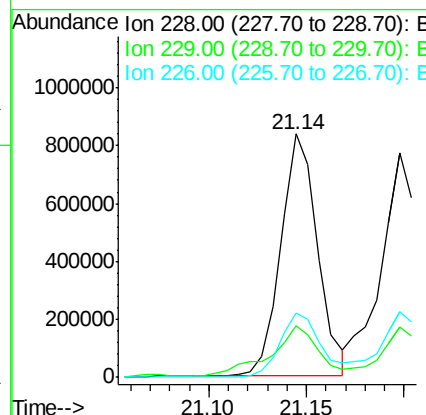
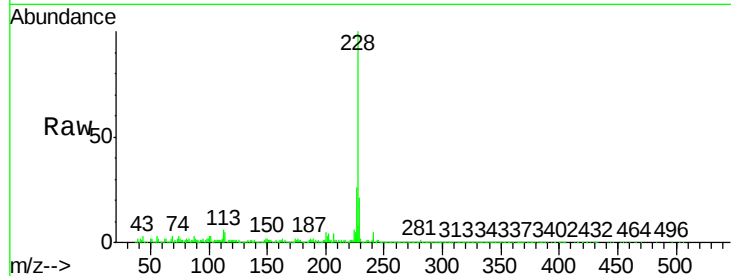
#80
Benzo(a)anthracene
Concen: 46.486 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Instrument :
BNA_M
ClientSampled :
BE5T8

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.0
226	26.5	21.4	32.0

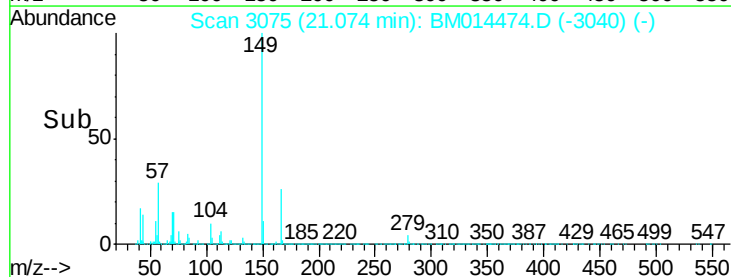
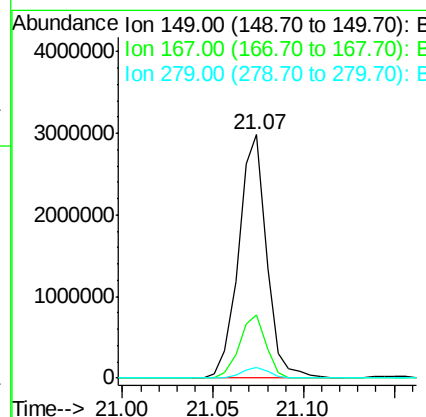
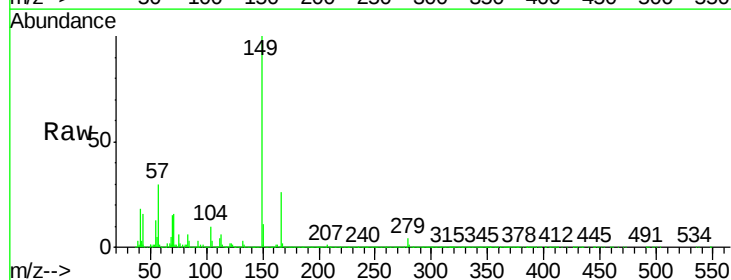
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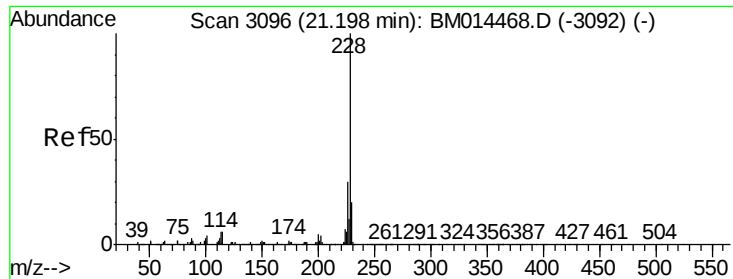
Sohil
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#81
Bis(2-ethylhexyl)phthalate
Concen: 215.620 ng/ul
RT: 21.07 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.8	34.2
279	4.3	4.9	7.3#





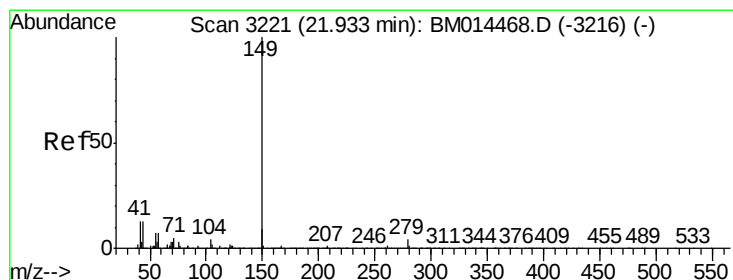
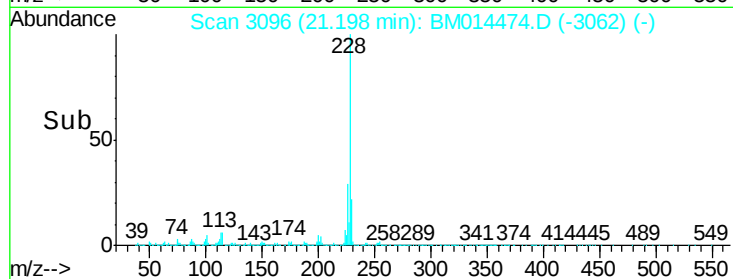
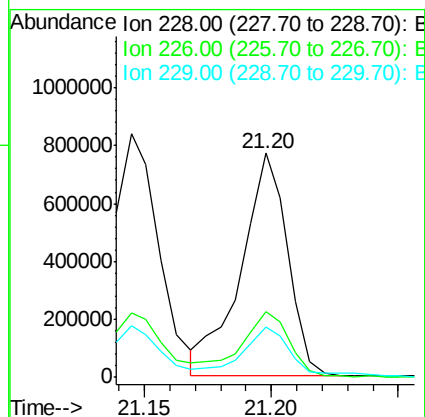
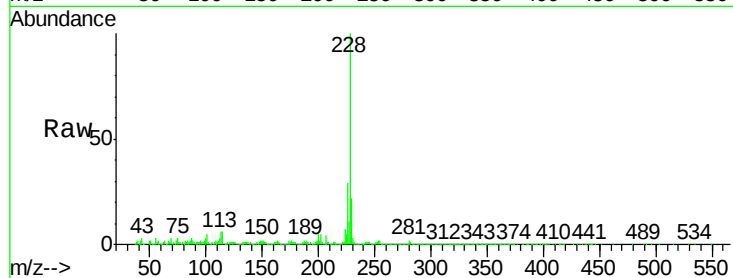
#82
Chrysene
Concen: 45.156 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Instrument :
BNA_M
ClientSampleId :
BE5T8

Tot Ion:	228	Resp:	985980
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.4	35.2
229	22.5	15.5	23.3

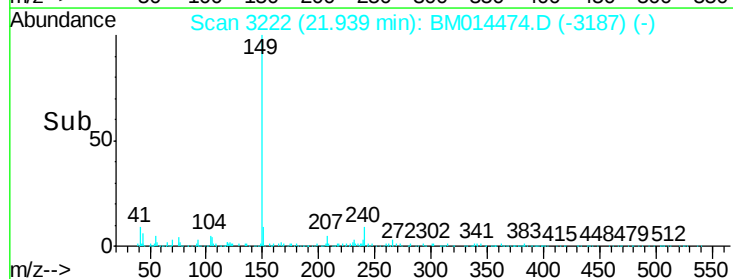
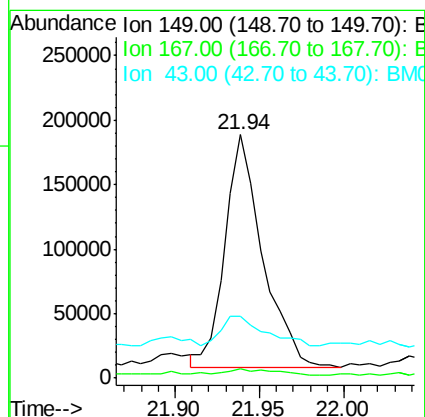
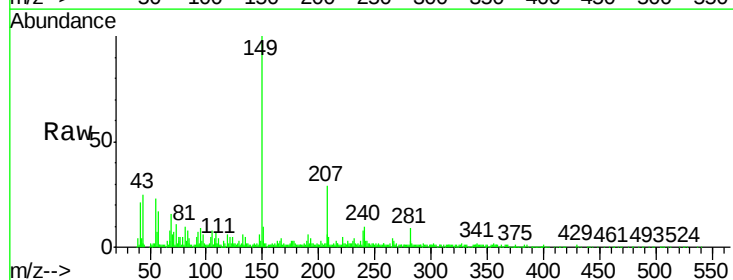
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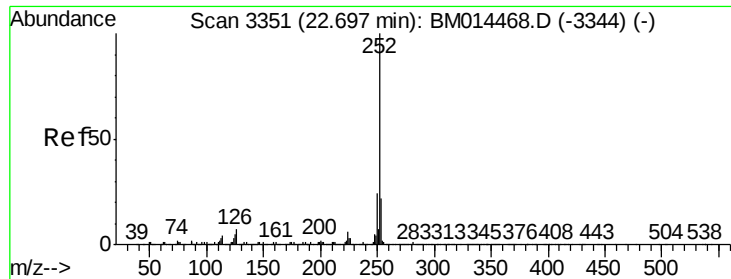
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#84
Di-n-octyl phthalate
Concen: 8.902 ng/ul
RT: 21.94 min Scan# 3222
Delta R.T. 0.01 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion:	149	Resp:	279862
Ion Ratio	Lower	Upper	
149	100		
167	4.1	1.3	1.9#
43	25.2	7.3	10.9#





#85

Benzo(b)fluoranthene

Concen: 49.792 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

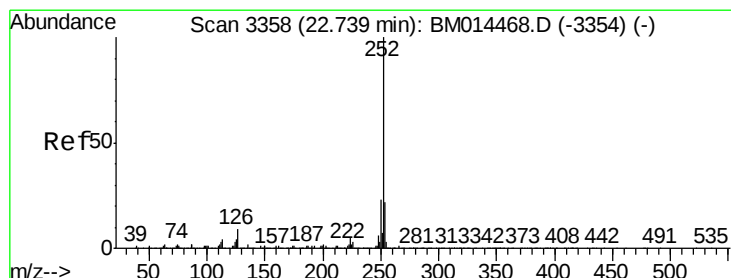
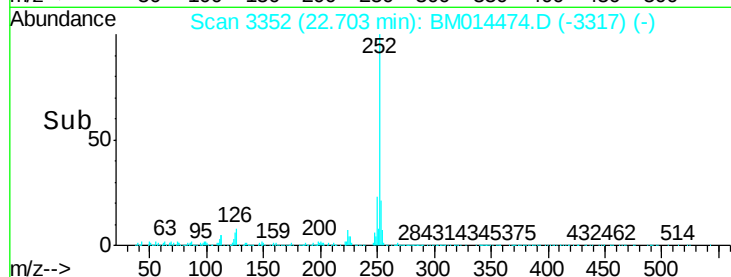
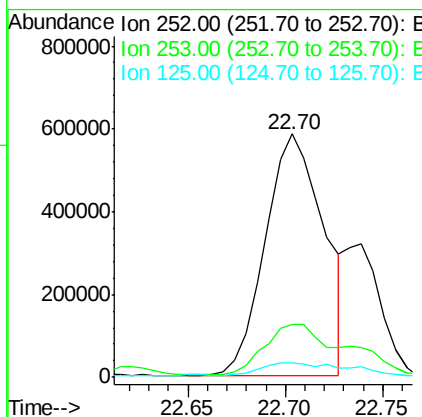
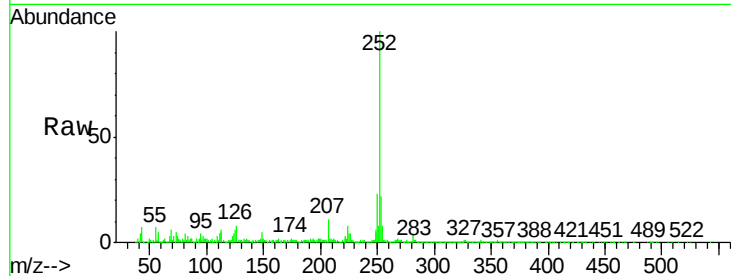
ClientSampleId :

BE5T8

Tot Ion:	252	Resp:	1221386
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	6.1	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 17.194 ng/ul m

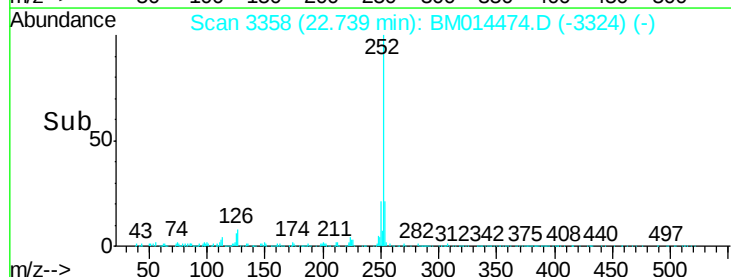
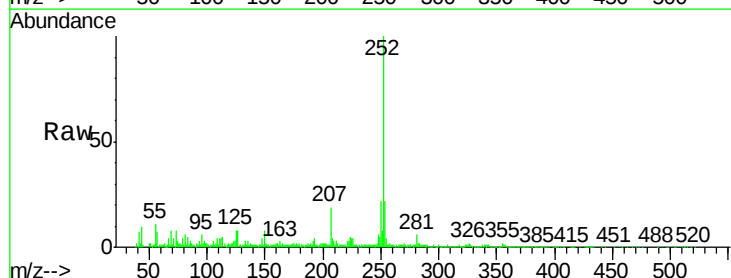
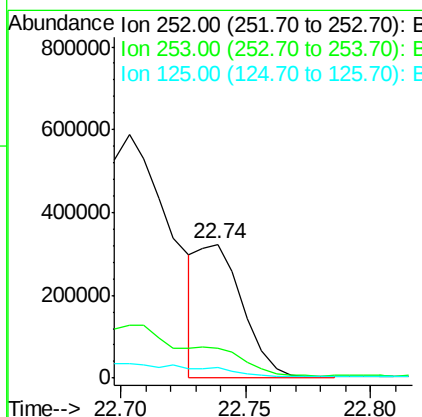
RT: 22.74 min Scan# 3358

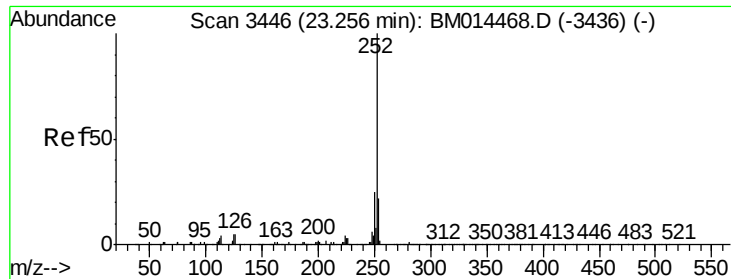
Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Tgt Ion:	252	Resp:	401007
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	7.6	3.4	5.2#





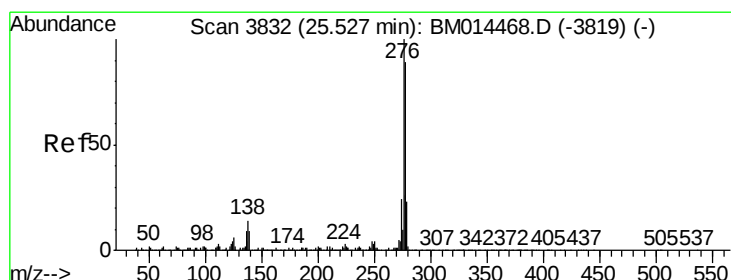
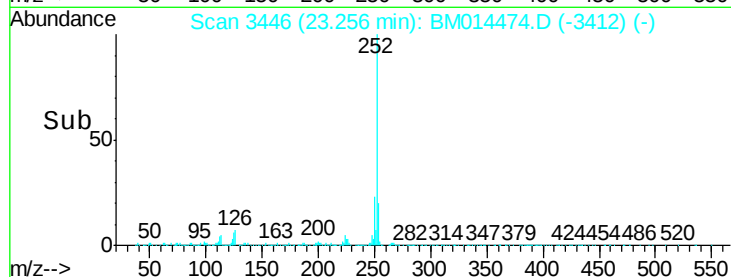
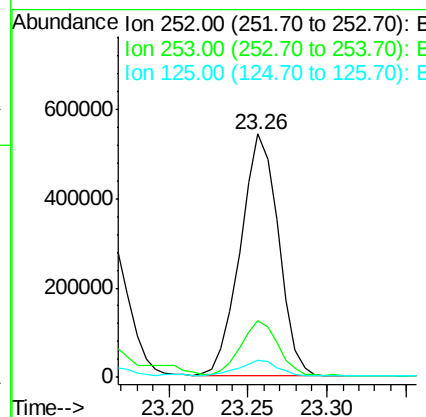
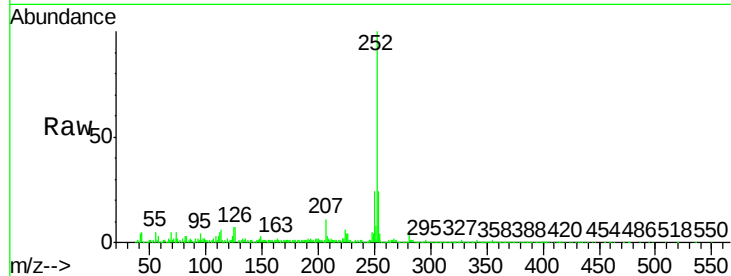
#88
Benzo(a)pyrene
Concen: 41.235 ng/ul
RT: 23.26 min Scan# 3446
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Instrument :
BNA_M
ClientSampleId :
BE5T8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	7.0	4.0	6.0

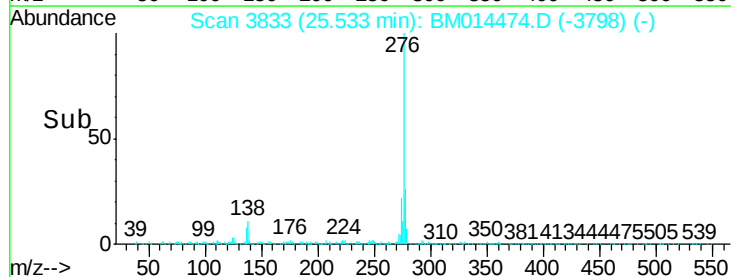
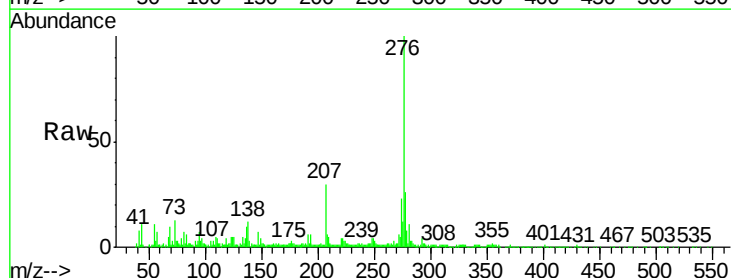
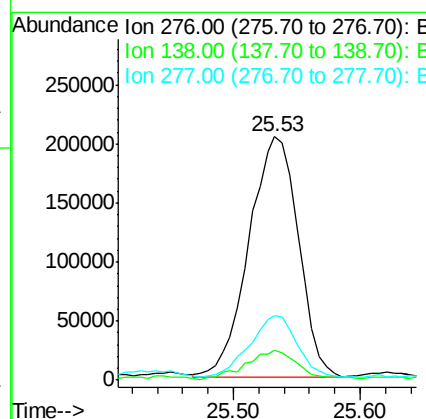
Manual Integrations
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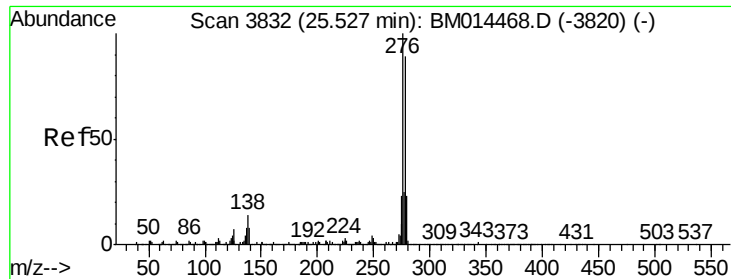
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#89
Indeno(1,2,3-cd)pyrene
Concen: 26.068 ng/ul
RT: 25.53 min Scan# 3833
Delta R.T. 0.01 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.3	13.9
277	26.5	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 8.965 ng/ul

RT: 25.53 min Scan# 3832

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

BE5T8

Tot Ion:278 Resp: 158446

Ion Ratio Lower Upper

278 100

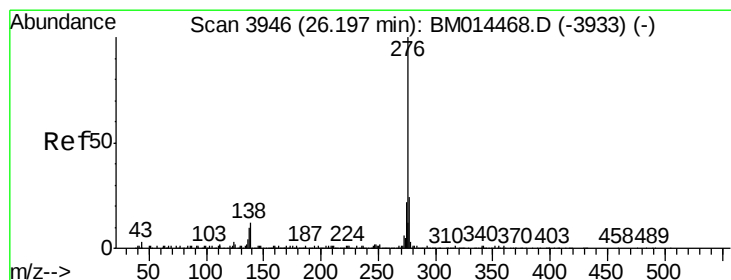
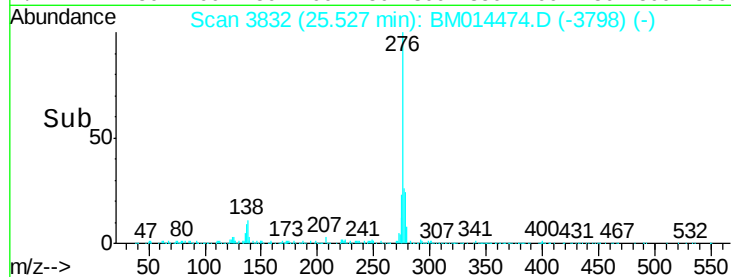
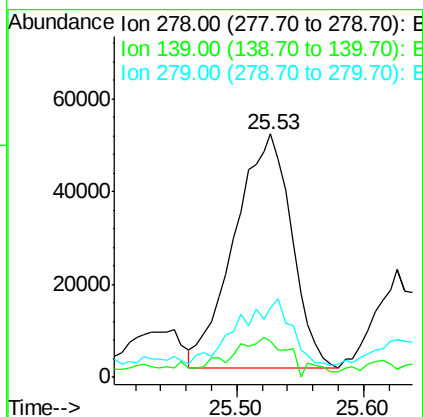
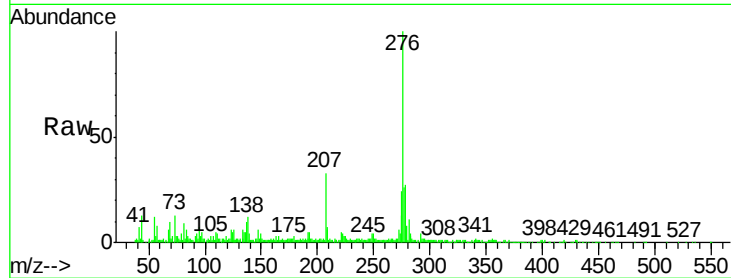
139 17.5 5.8 8.8#

279 28.7 18.6 27.8#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 25.447 ng/ul

RT: 26.21 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Tgt Ion:276 Resp: 438481

Ion Ratio Lower Upper

276 100

138 11.8 8.5 12.7

277 23.5 18.6 28.0

