

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014462.D
 Acq On : 02 Mar 2018 15:19
 Operator : SJ/JU
 Sample : J1678-20RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z3RE

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:21:09 PM

Quant Time: Mar 05 11:46:05 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 22:33:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	84533	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	365750	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	246917	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	594440	20.00	ng/ul	0.01
75) Chrysene-d12	21.18	240	620737	20.00	ng/ul	0.02
83) Perylene-d12	23.40	264	545730m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7810	3.95	ng/uL	0.00
5) Phenol-d5	6.73	99	202239	28.31	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	117564	27.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	167970	30.66	ng/ul	0.01
13) 4-Methylphenol-d8	8.25	113	168417	26.94	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	83495	30.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	92561	33.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	174090	30.04	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	66292m	11.61	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	628302	30.81	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	811187	32.26	ng/ul	0.01
51) 4-Nitrophenol-d4	14.48	143	84714m	30.09	ng/ul	0.02
57) Fluorene-d10	15.19	176	578742	31.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	8050	2.26	ng/ul	0.02
70) Anthracene-d10	17.05	188	907080	31.63	ng/ul	0.01
76) Pyrene-d10	19.37	212	1021193	31.90	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.26	264	795445	29.95	ng/ul	0.06

Target Compounds

					Ovalue	
28) Naphthalene	10.34	128	74757	3.980	ng/ul	99
30) 4-Chloroaniline	10.49	127	40255	6.914	ng/ul	89
44) Dimethylphthalate	13.65	163	96403	4.794	ng/ul#	95
47) Acenaphthylene	13.90	152	137581	5.789	ng/ul	98
49) Acenaphthene	14.24	153	21969	1.313	ng/ul	90
53) Dibenzofuran	14.59	168	60058	2.393	ng/ul	88
56) Diethylphthalate	15.02	149	62293	2.780	ng/ul#	92
58) Fluorene	15.24	166	44334	2.047	ng/ul#	93
69) Phenanthrene	16.99	178	1682389	49.122	ng/ul	99
71) Anthracene	17.08	178	157909m	4.585	ng/ul	
72) Carbazole	17.37	167	151566	5.233	ng/ul#	97
74) Fluoranthene	19.03	202	2444143	59.732	ng/ul#	95
77) Pyrene	19.40	202	2104188	51.008	ng/ul#	93
80) Benzo(a)anthracene	21.16	228	601027	15.514	ng/ul#	91
81) Bis(2-ethylhexyl)phthalate	21.09	149	277680	11.367	ng/ul	97
82) Chrysene	21.22	228	965034	26.703	ng/ul#	94
85) Benzo(b)fluoranthene	22.74	252	1260822	34.504	ng/ul#	89
86) Benzo(k)fluoranthene	22.77	252	319997m	9.211	ng/ul	
88) Benzo(a)pyrene	23.30	252	624603m	19.128	ng/ul	
89) Indeno(1,2,3-cd)pyrene	25.61	276	468889m	14.798	ng/ul	
90) Dibenzo(a,h)anthracene	25.61	278	115878m	4.401	ng/ul	
91) Benzo(a,h,i)perylene	26.30	276	405580m	15.801	ng/ul	

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014462.D
Acq On : 02 Mar 2018 15:19
Operator : SJ/JU
Sample : J1678-20RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM

Quant Time: Mar 05 11:46:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 02 22:33:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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

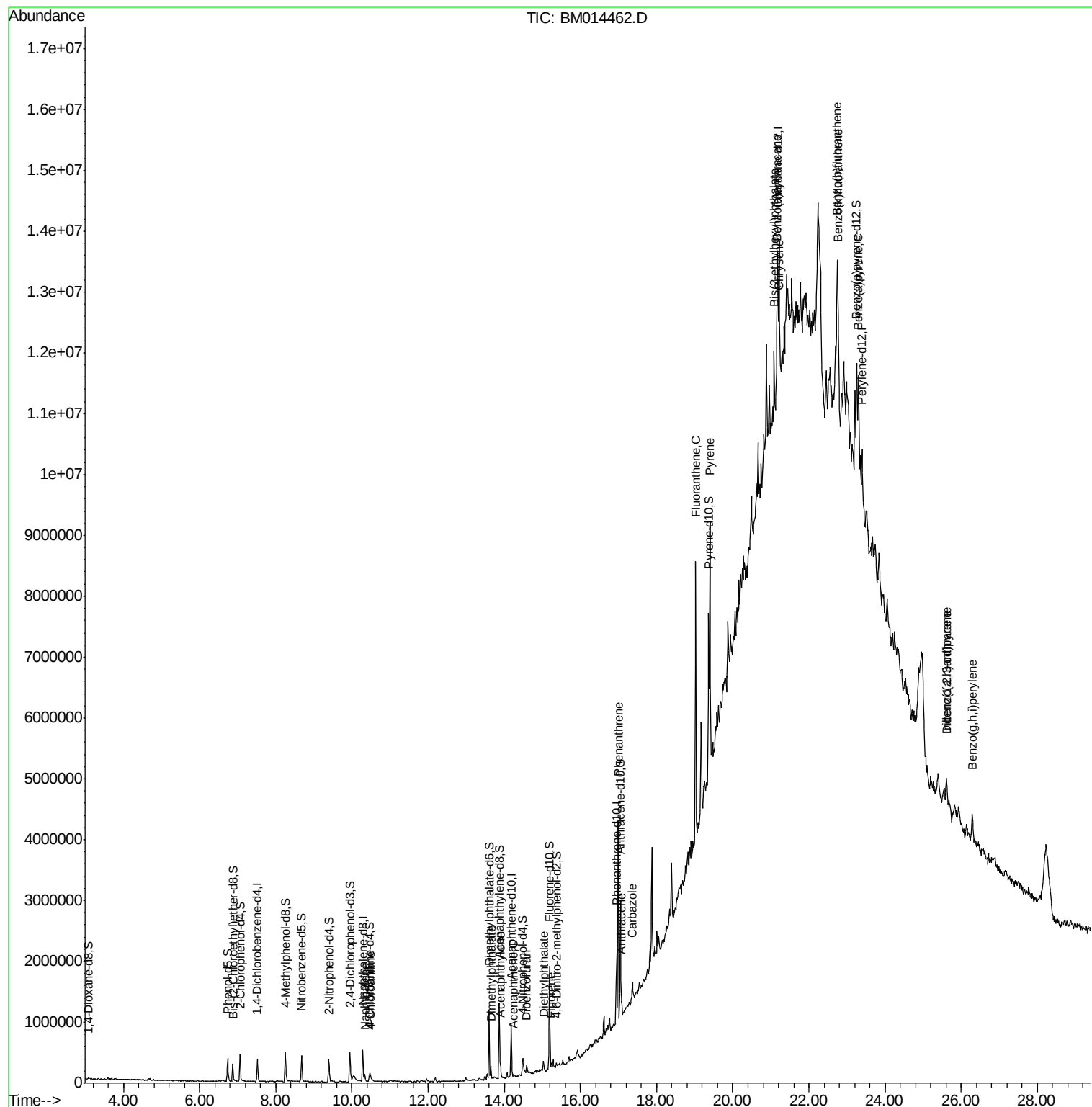
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM030218\
Data File : BM014462.D
Acq On : 02 Mar 2018 15:19
Operator : SJ/JU
Sample : J1678-20RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

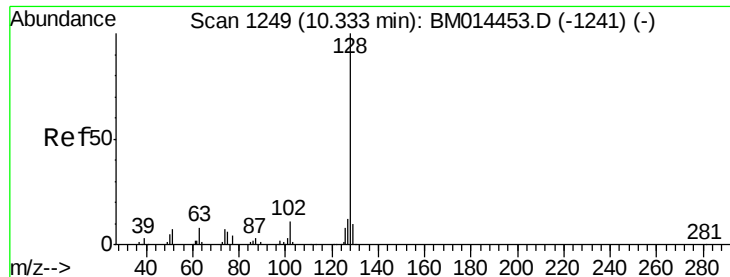
Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM

Quant Time: Mar 05 11:46:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 02 22:33:42 2018
Response via : Initial Calibration





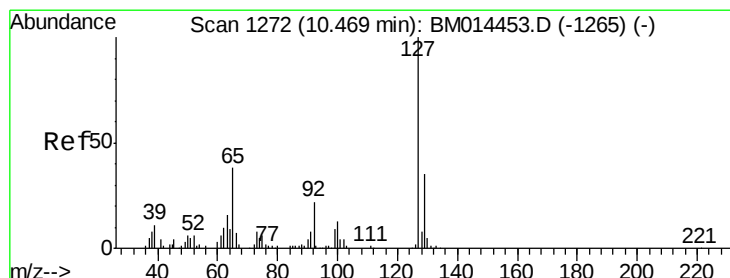
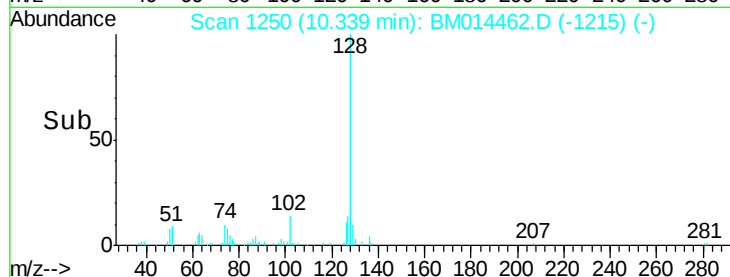
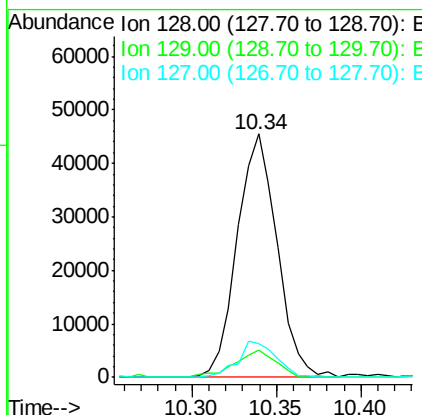
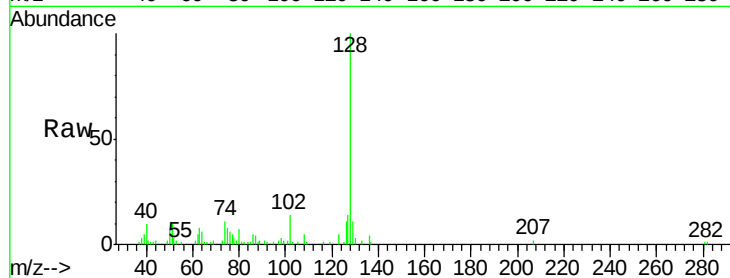
#28
Naphthalene
Concen: 3.980 ng/ul
RT: 10.34 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	14.1	10.6	16.0

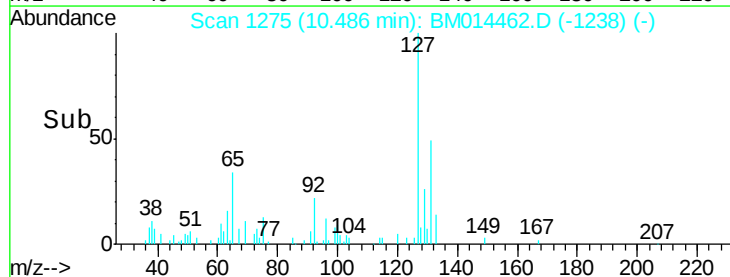
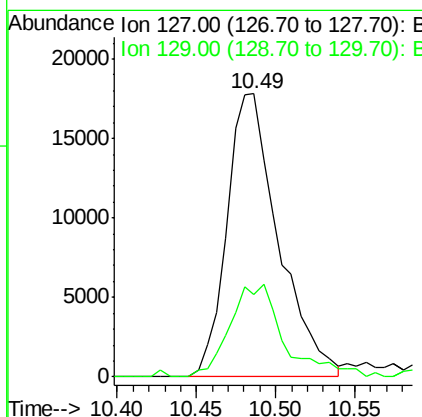
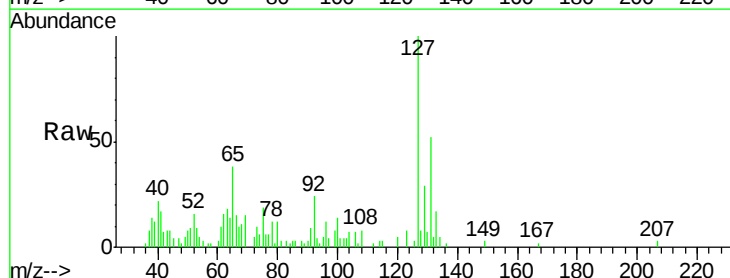
Manual Integrations
APPROVED

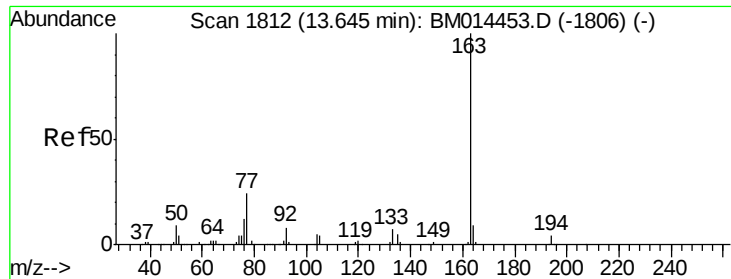
Sohil
3/5/2018 3:21:09 PM



#30
4-Chloroaniline
Concen: 6.914 ng/ul
RT: 10.49 min Scan# 1275
Delta R.T. 0.02 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
127	100		
129	29.1	28.4	42.6





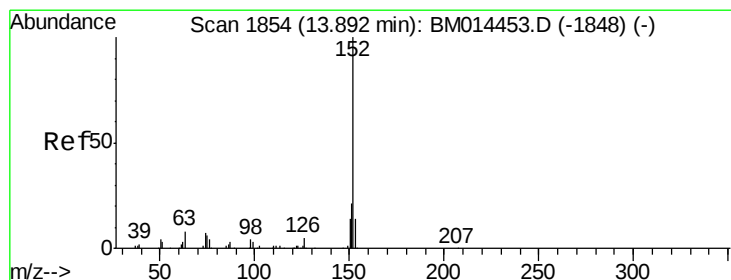
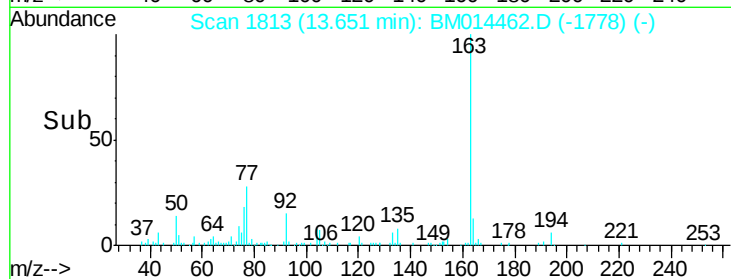
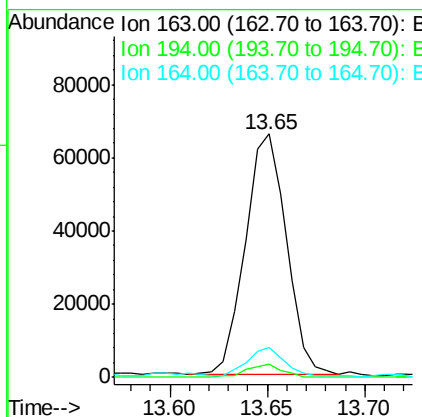
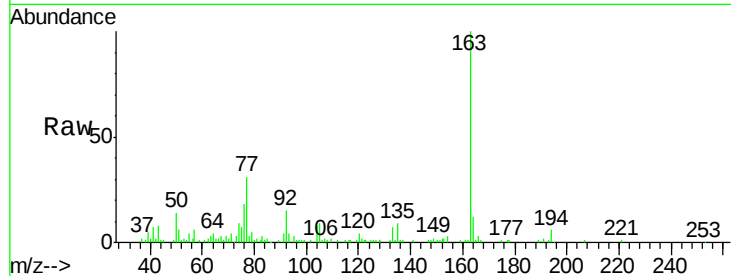
#44
Dimethylphthalate
Concen: 4.794 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	96403		
194	5.6	3.5	5.3#	
164	12.5	8.2	12.4#	

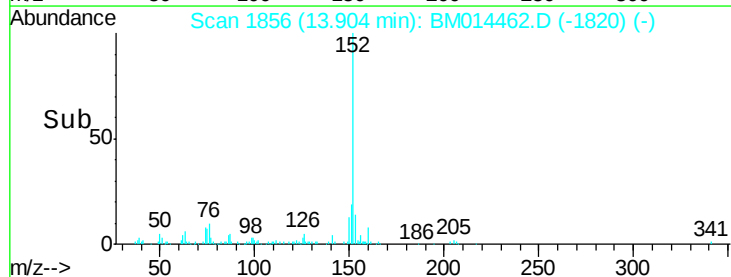
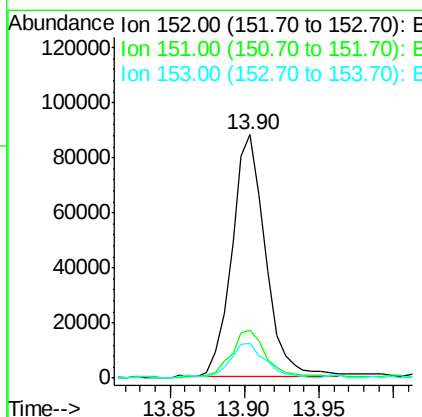
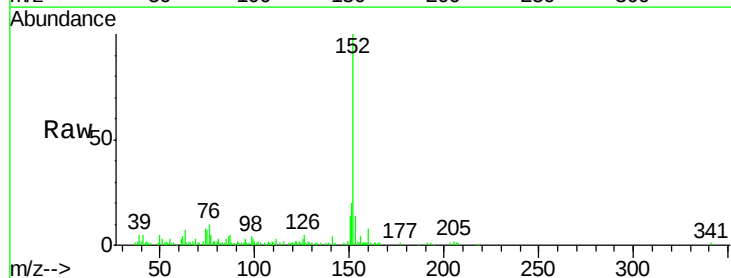
Manual Integrations
APPROVED

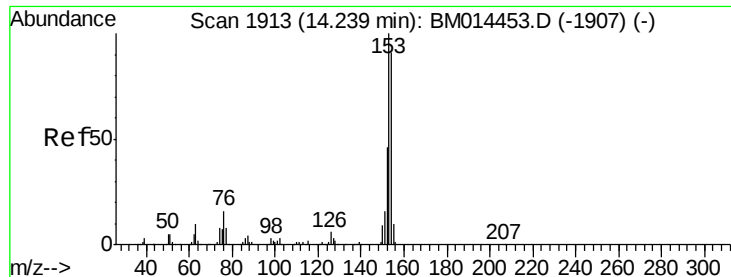
Sohil
3/5/2018 3:21:09 PM



#47
Acenaphthylene
Concen: 5.789 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	137581		
151	19.7	16.3	24.5	
153	14.3	10.2	15.4	





#49

Acenaphthene

Concen: 1.313 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

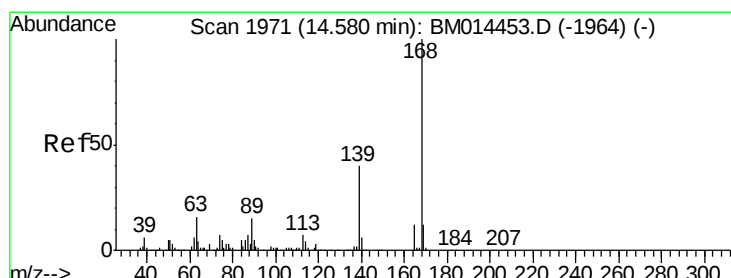
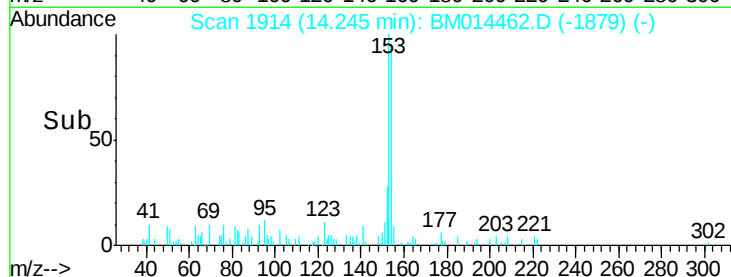
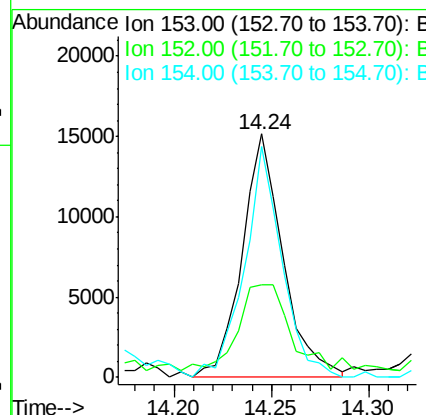
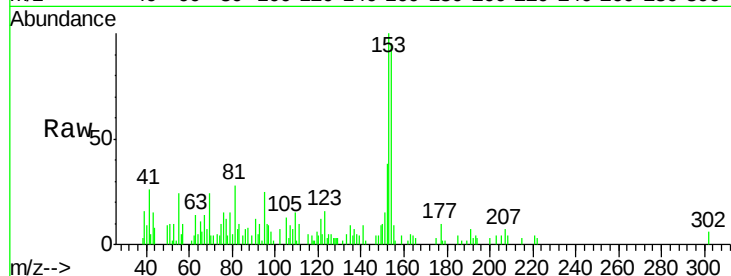
ClientSampleId :

BE5Z3RE

Tot Ion:	153	Resp:	21969
Ion	Ratio	Lower	Upper
153	100		
152	38.0	37.6	56.4
154	95.0	70.4	105.6

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM



#53

Dibenzofuran

Concen: 2.393 ng/ul

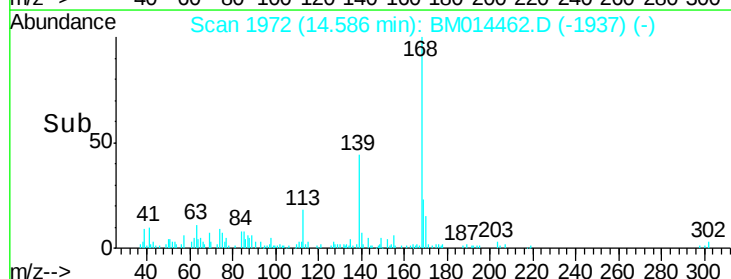
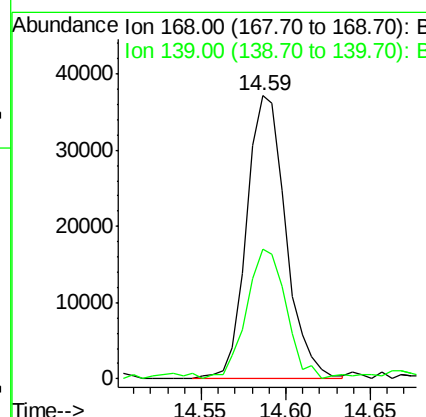
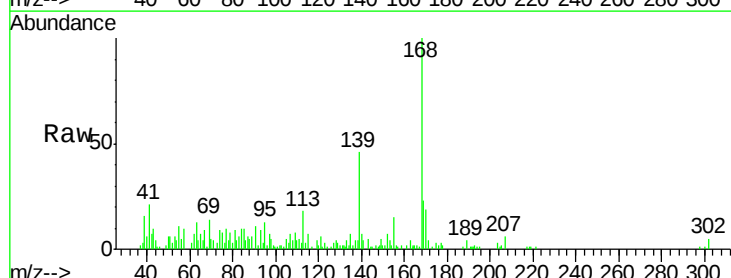
RT: 14.59 min Scan# 1972

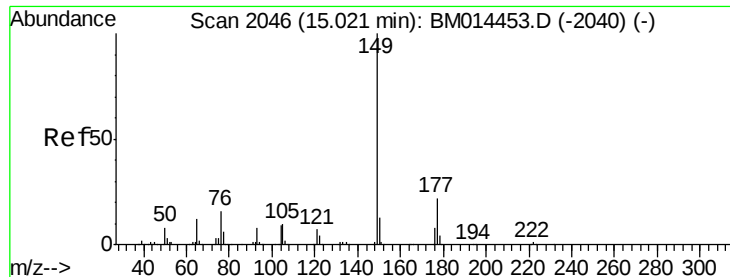
Delta R.T. 0.01 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Tgt Ion:	168	Resp:	60058
Ion	Ratio	Lower	Upper
168	100		
139	45.7	30.8	46.2





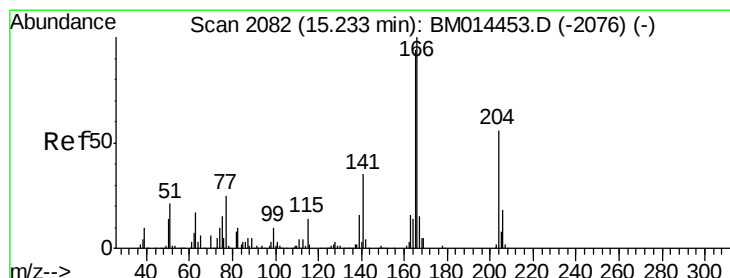
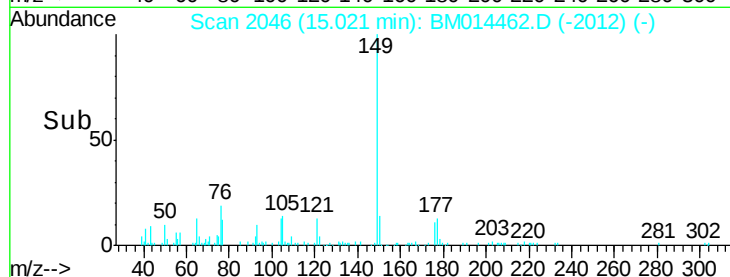
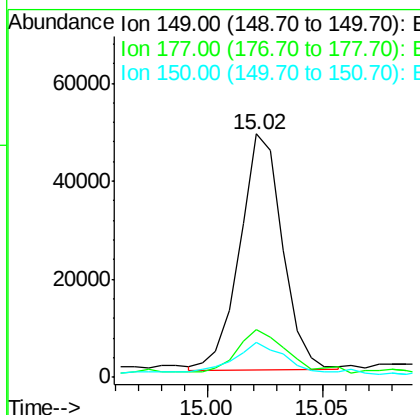
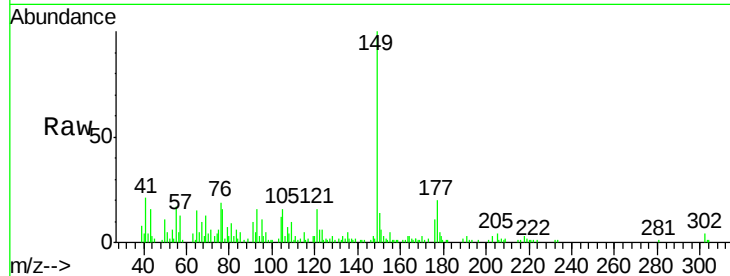
#56
Diethylphthalate
Concen: 2.780 ng/ul
RT: 15.02 min Scan# 2046
Delta R.T. 0.00 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Tot Ion	Ratio	Lower	Upper
149	100		
177	19.8	20.5	30.7#
150	14.3	10.6	15.8

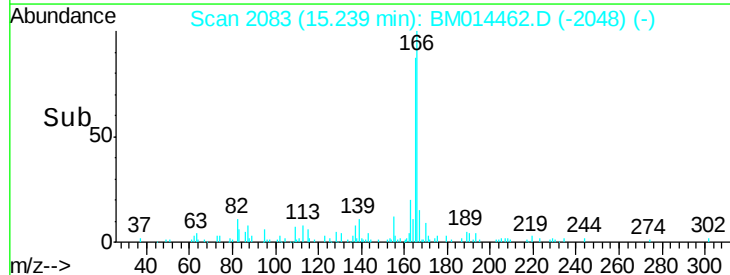
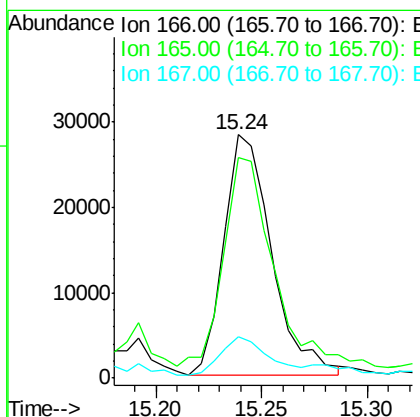
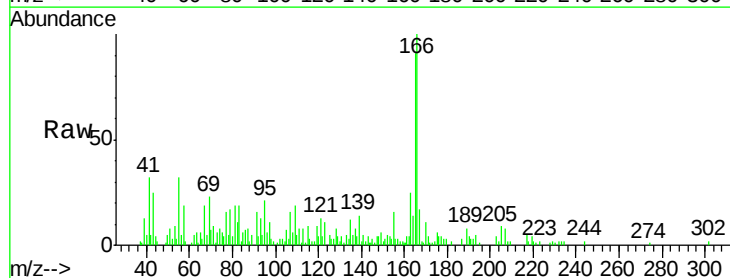
Manual Integrations
APPROVED

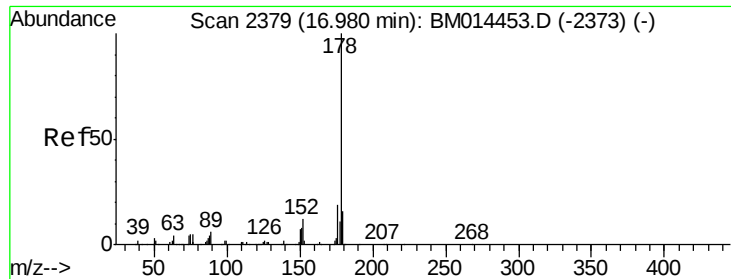
Sohil
3/5/2018 3:21:09 PM



#58
Fluorene
Concen: 2.047 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.8	77.9	116.9
167	17.2	10.6	16.0#





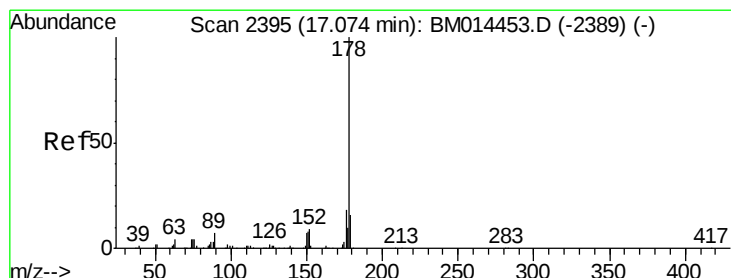
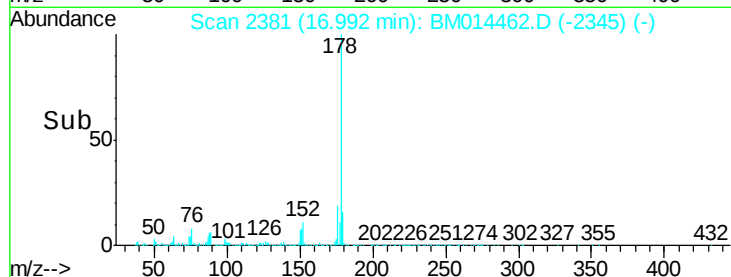
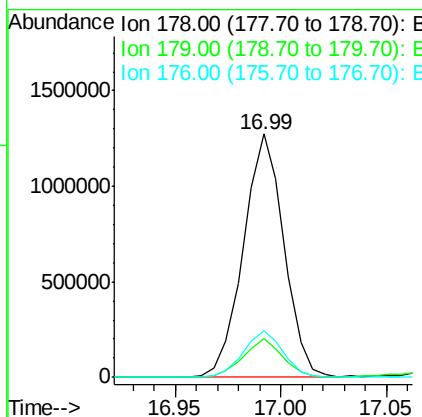
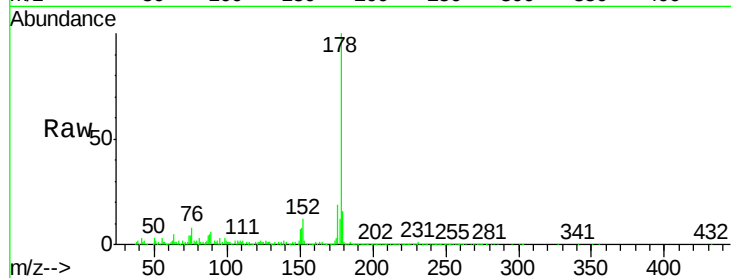
#69
Phenanthrene
Concen: 49.122 ng/ul
RT: 16.99 min Scan# 2381
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Instrument :
BNA_M
ClientSampleId :
BE5Z3RE

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.2	14.9	22.3

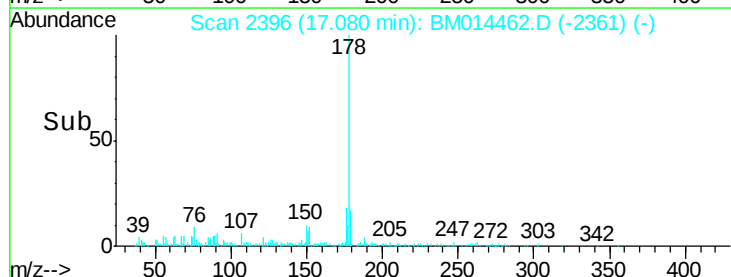
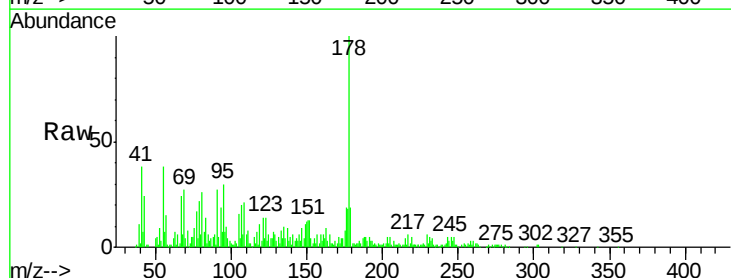
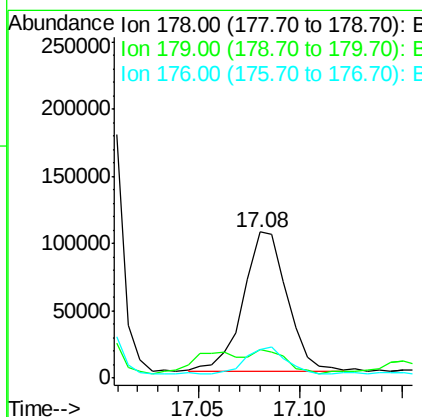
Manual Integrations
APPROVED

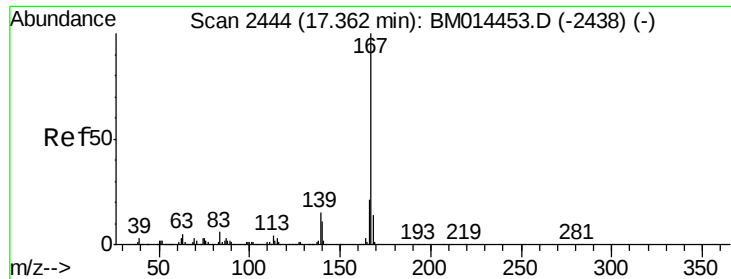
Sohil
3/5/2018 3:21:09 PM



#71
Anthracene
Concen: 4.585 ng/ul m
RT: 17.08 min Scan# 2396
Delta R.T. 0.01 min
Lab File: BM014462.D
Acq: 02 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.4	11.7	17.5#
176	19.2	14.6	21.8





#72

Carbazole

Concen: 5.233 ng/ul

RT: 17.37 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

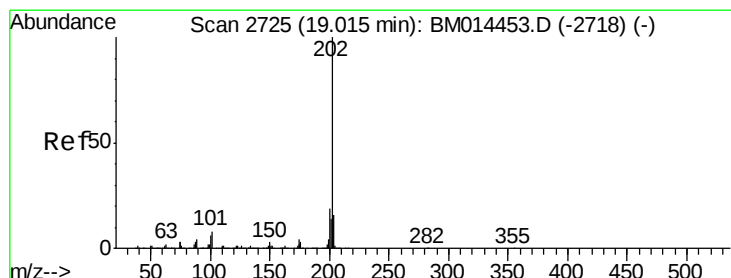
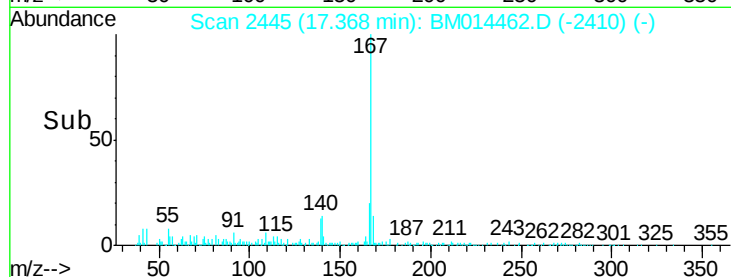
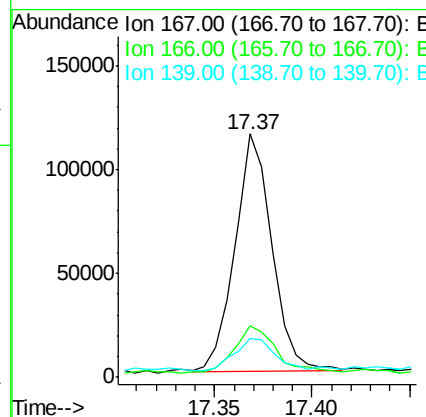
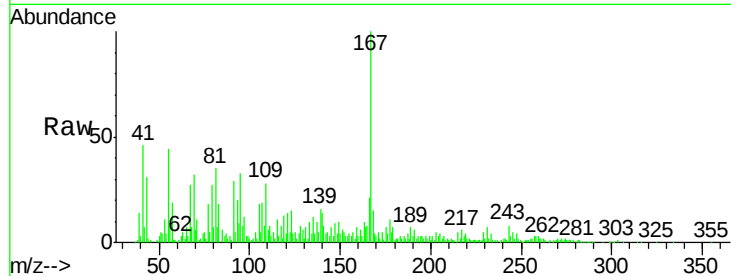
ClientSampleId :

BE5Z3RE

Tot Ion:	167	Resp:	151566
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.1	25.7
139	15.9	10.0	15.0#

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM



#74

Fluoranthene

Concen: 59.732 ng/ul

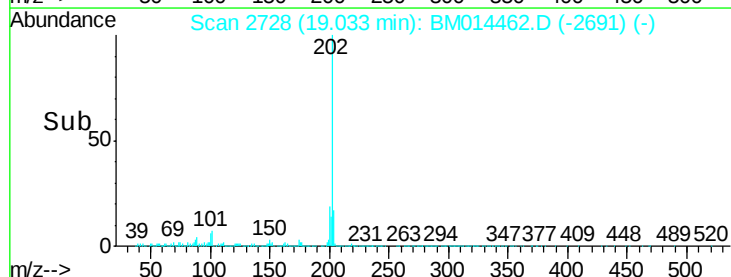
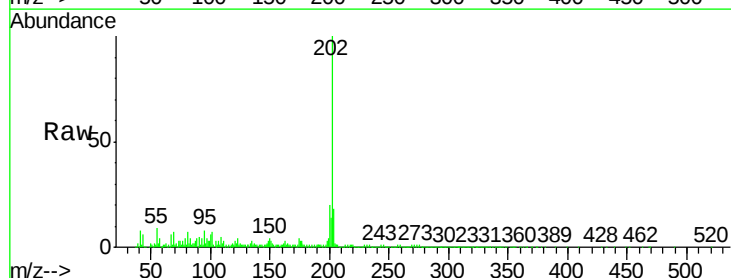
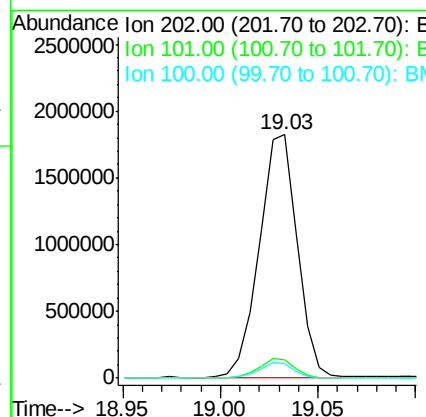
RT: 19.03 min Scan# 2728

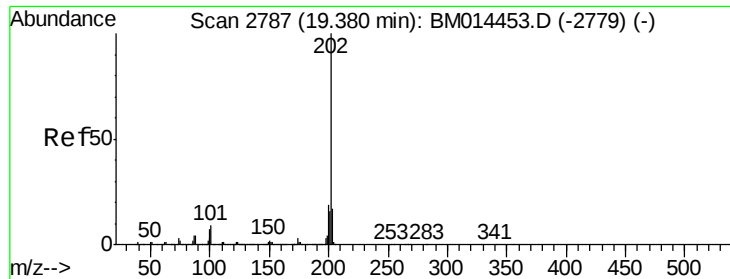
Delta R.T. 0.02 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Tgt Ion:	202	Resp:	2444143
Ion Ratio	Lower	Upper	
202	100		
101	7.4	4.6	7.0#
100	5.8	3.4	5.2#





#77

Pvrene

Concen: 51.008 ng/ul

RT: 19.40 min Scan# 2790

Delta R.T. 0.02 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

ClientSampleId :

BE5Z3RE

Tot Ion:202 Resp: 2104188

Ion Ratio Lower Upper

202 100

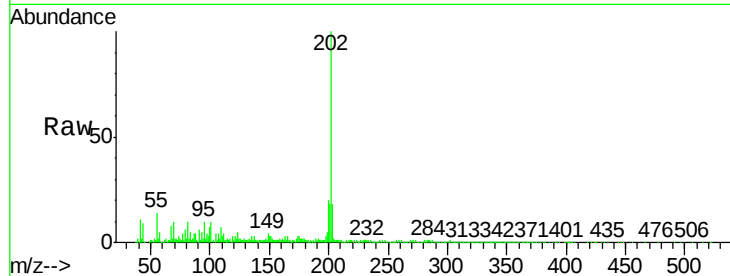
101 9.5 5.1 7.7#

100 7.5 4.9 7.3#

Manual Integrations
APPROVED

Sohil

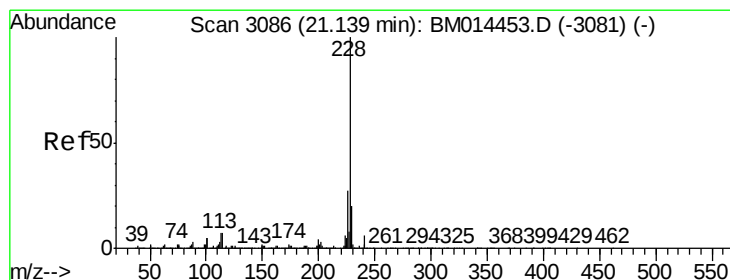
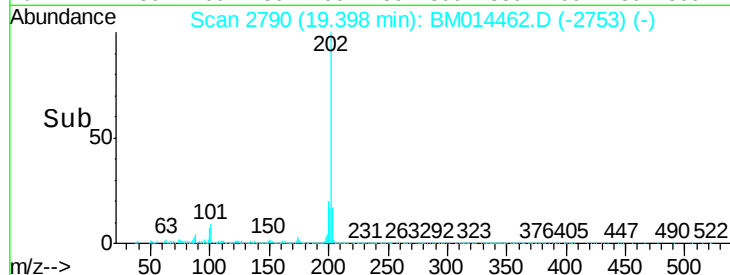
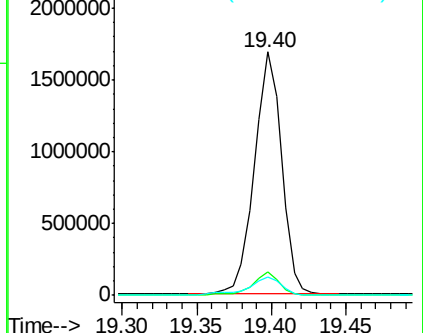
3/5/2018 3:21:09 PM



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): E



#80

Benzo(a)anthracene

Concen: 15.514 ng/ul

RT: 21.16 min Scan# 3090

Delta R.T. 0.02 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

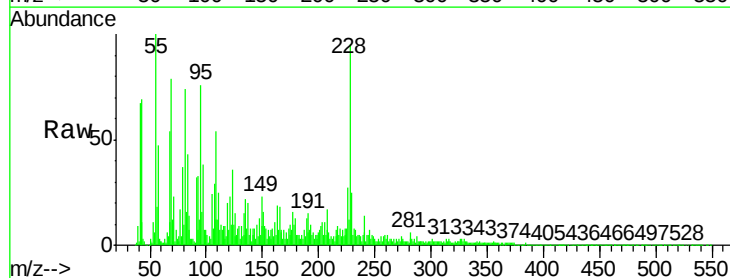
Tgt Ion:228 Resp: 601027

Ion Ratio Lower Upper

228 100

229 26.8 15.4 23.0#

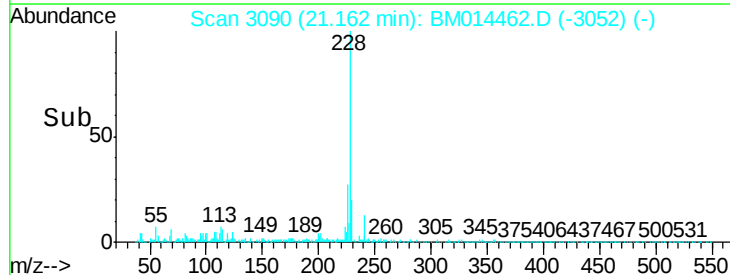
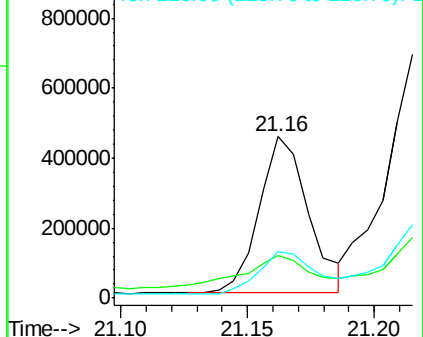
226 28.7 21.4 32.0

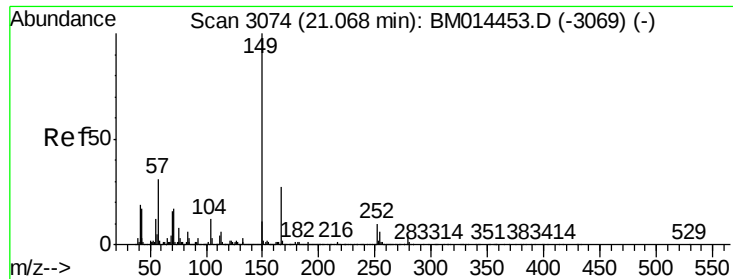


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





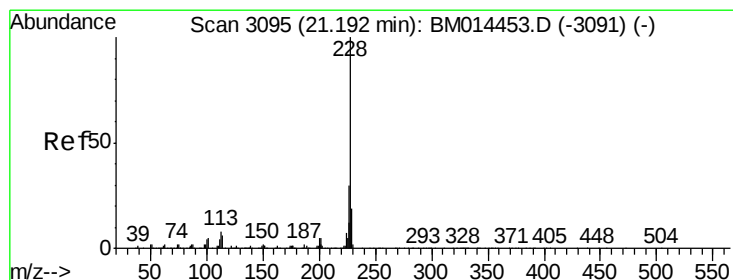
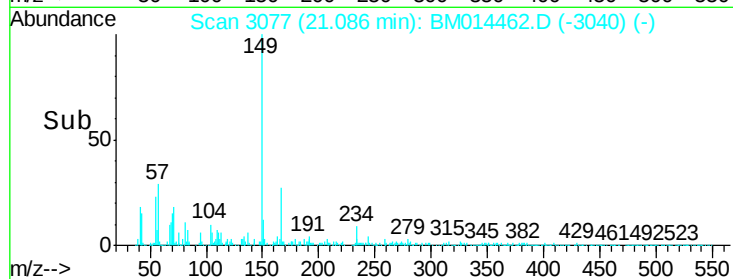
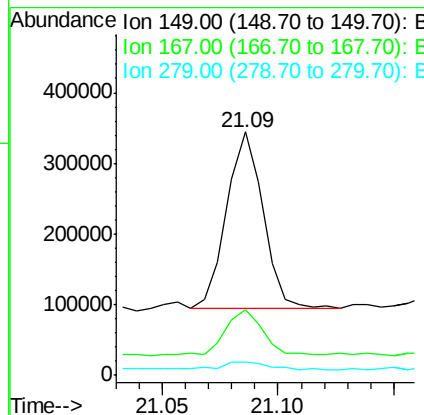
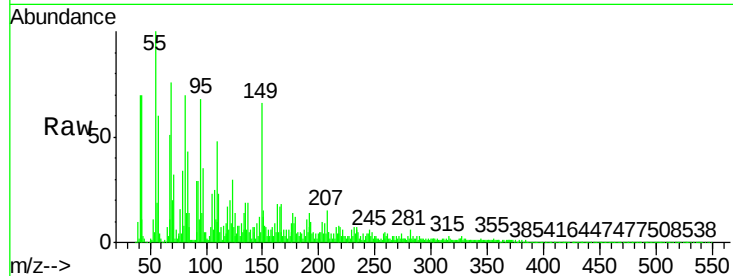
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 11.367 ng/ul
 RT: 21.09 min Scan# 3077
 Delta R.T. 0.02 min
 Lab File: BM014462.D
 Acq: 02 Mar 2018 15:19

Instrument :
 BNA_M
 ClientSampleId :
 BE5Z3RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.8	34.2
279	5.2	4.9	7.3

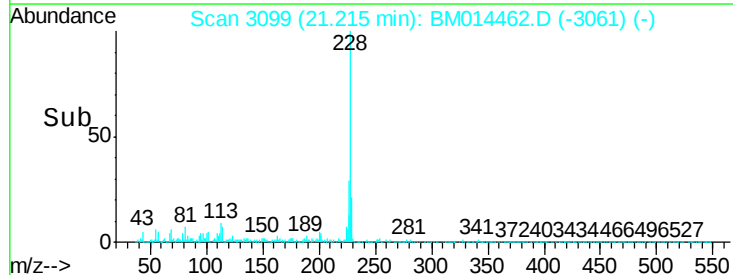
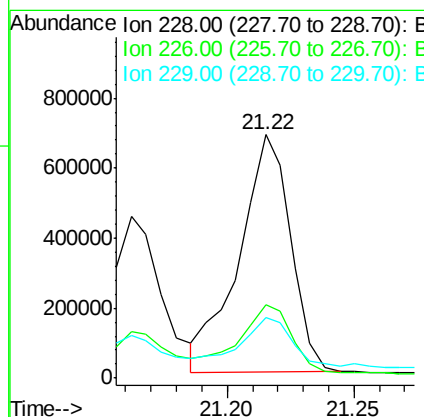
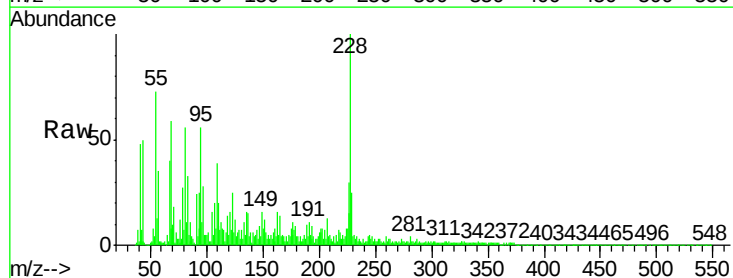
Manual Integrations
 APPROVED

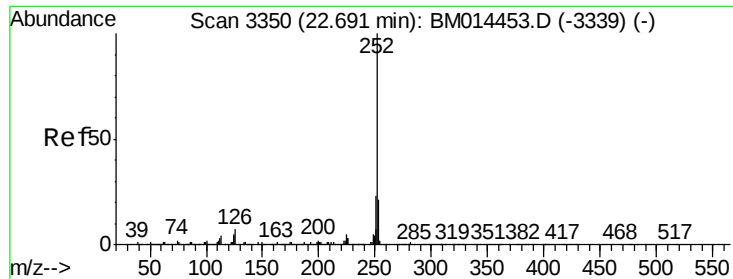
Sohil
 3/5/2018 3:21:09 PM



#82
 Chrysene
 Concen: 26.703 ng/ul
 RT: 21.22 min Scan# 3099
 Delta R.T. 0.02 min
 Lab File: BM014462.D
 Acq: 02 Mar 2018 15:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	24.7	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 34.504 ng/ul

RT: 22.74 min Scan# 3358

Delta R.T. 0.05 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

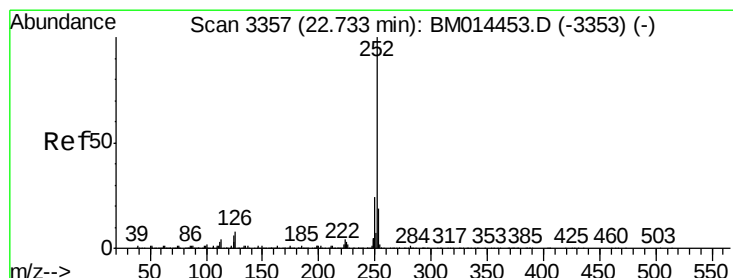
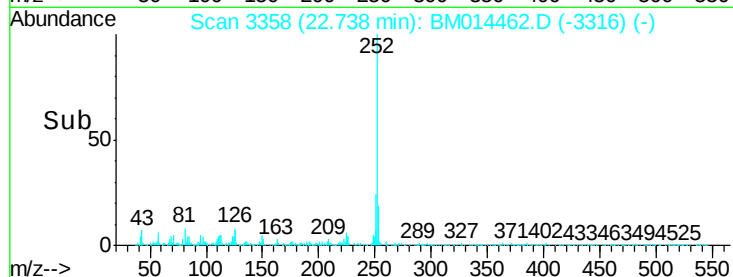
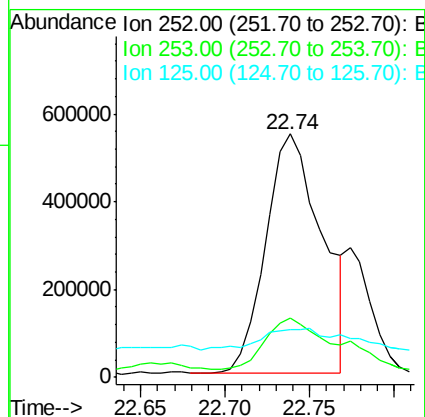
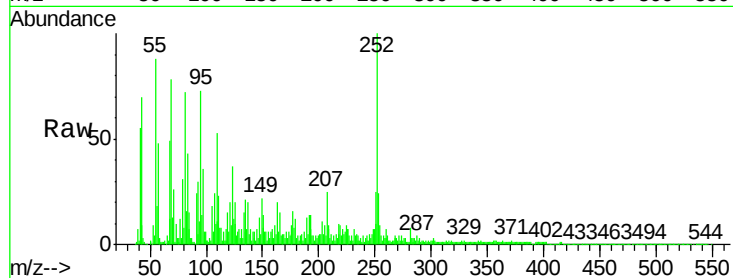
ClientSampleId :

BE5Z3RE

Tot Ion:	252	Resp:	1260822
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	19.6	3.6	5.4#

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM



#86

Benzo(k)fluoranthene

Concen: 9.211 ng/ul m

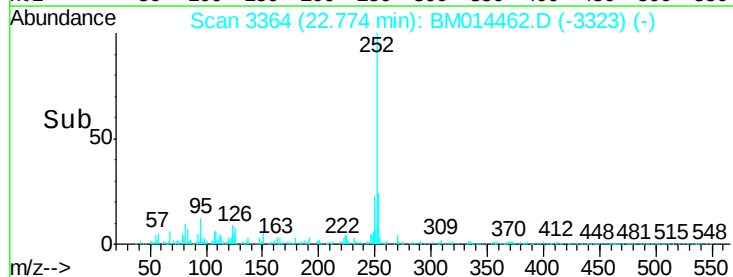
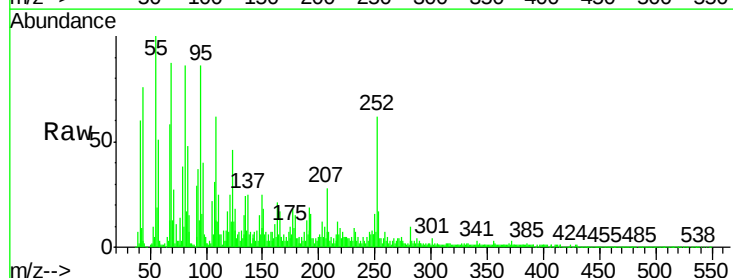
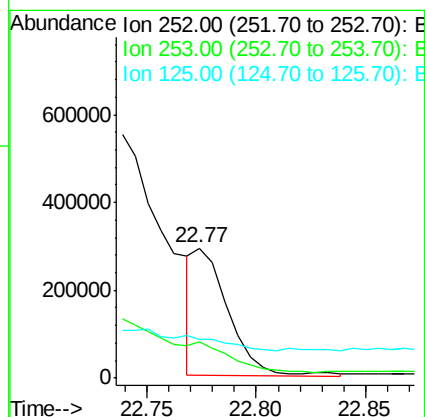
RT: 22.77 min Scan# 3364

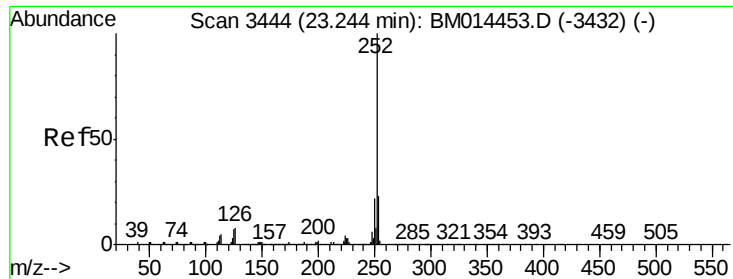
Delta R.T. 0.04 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Tgt Ion:	252	Resp:	319997
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.1	25.7#
125	29.6	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 19.128 ng/ul m

RT: 23.30 min Scan# 3454

Delta R.T. 0.06 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

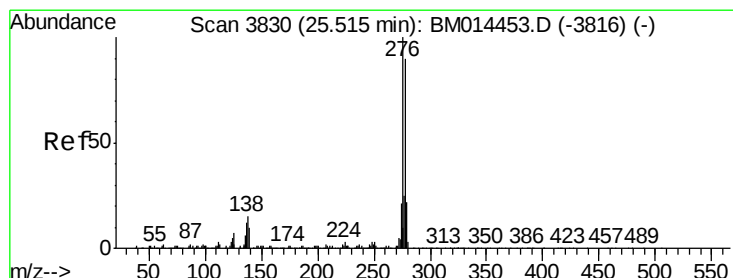
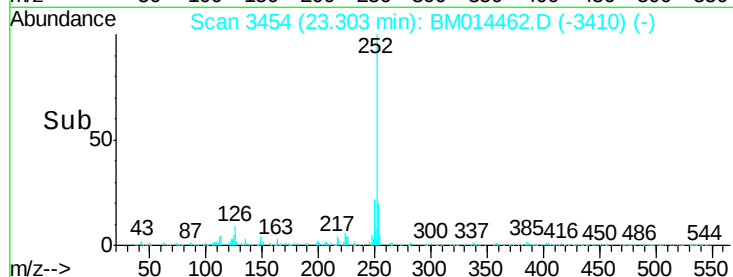
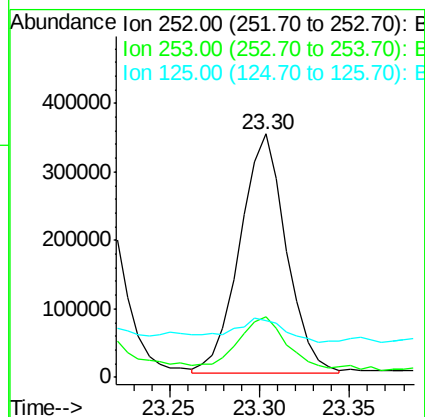
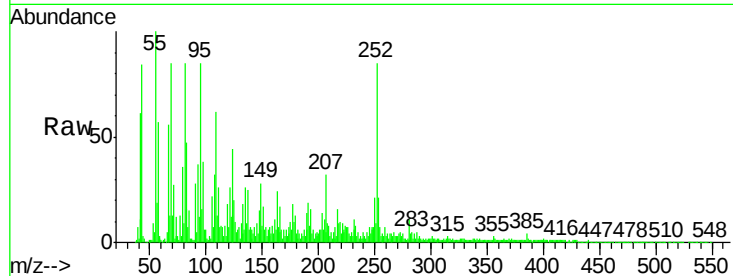
ClientSampleId :

BE5Z3RE

Tot Ion:	252	Resp:	624603
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	23.4	4.0	6.0#

Manual Integrations
APPROVED

Sohil
3/5/2018 3:21:09 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 14.798 ng/ul m

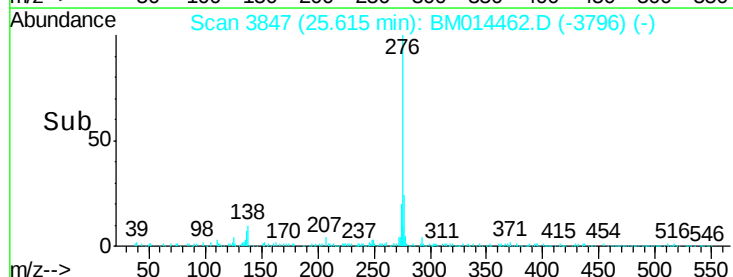
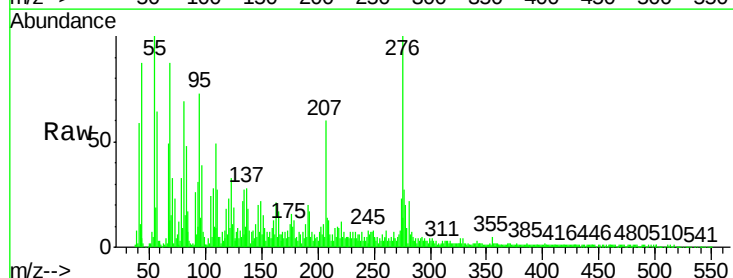
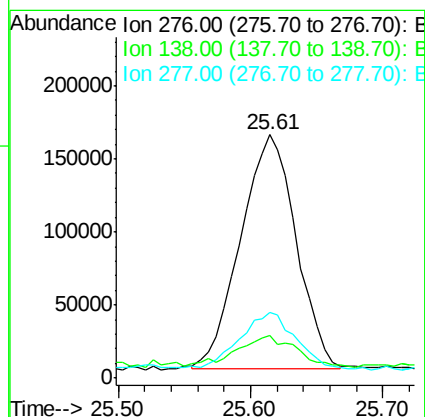
RT: 25.61 min Scan# 3847

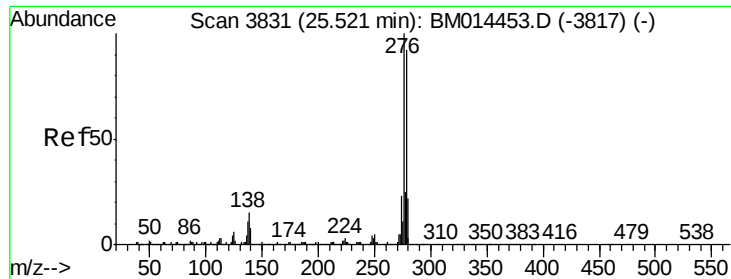
Delta R.T. 0.10 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Tgt Ion:	276	Resp:	468889
Ion Ratio	Lower	Upper	
276	100		
138	17.5	9.3	13.9#
277	27.1	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.401 ng/ul m

RT: 25.61 min Scan# 3846

Delta R.T. 0.09 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Instrument :

BNA_M

ClientSampleId :

BE5Z3RE

Tot Ion:278 Resp: 115878

Ion Ratio Lower Upper

278 100

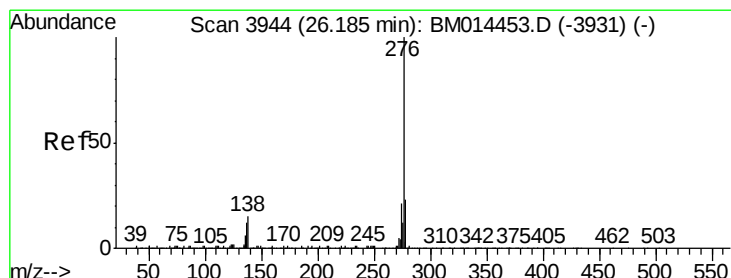
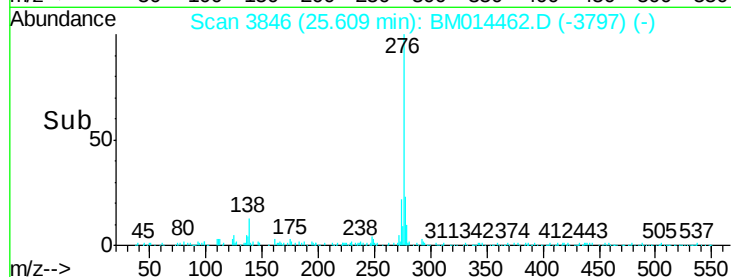
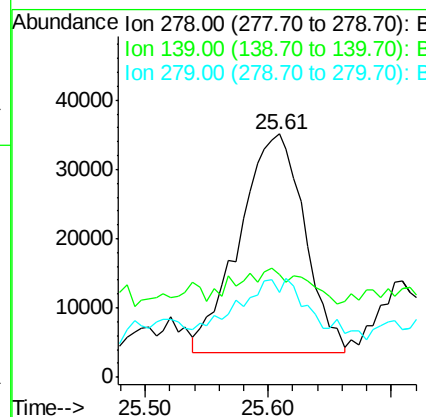
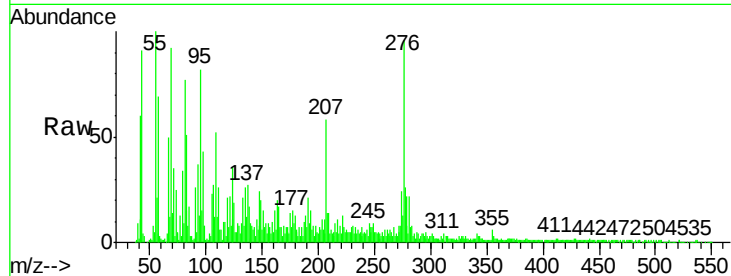
139 42.1 5.8 8.8#

279 34.8 18.6 27.8#

Manual Integrations
APPROVED

Sohil

3/5/2018 3:21:09 PM



#91

Benzo(g,h,i)perylene

Concen: 15.801 ng/ul m

RT: 26.30 min Scan# 3963

Delta R.T. 0.11 min

Lab File: BM014462.D

Acq: 02 Mar 2018 15:19

Tgt Ion:276 Resp: 405580

Ion Ratio Lower Upper

276 100

138 15.3 8.5 12.7#

277 25.9 18.6 28.0

