

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_M\DATA\BM022618\
 Data File : BM014354.D
 Acq On : 26 Feb 2018 13:47
 Operator : SJ/JU
 Sample : J1646-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X9

Manual Integrations
 APPROVED

Sohil
 2/27/2018 4:57:42 PM

Quant Time: Feb 27 01:57:57 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 01:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	61751	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	271385	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	177660	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	482166	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	687469	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	648477	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	10742m	7.45	ng/uL	0.00
5) Phenol-d5	6.72	99	194586	37.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	125829	39.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	154446	38.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	168839	36.97	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	81825	40.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	88494	42.63	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	158482	36.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	200166	47.26	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	651957	44.44	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	805316	44.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	62913m	31.06	ng/ul	0.00
57) Fluorene-d10	15.18	176	602424	45.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	92660	32.04	ng/ul	0.00
70) Anthracene-d10	17.04	188	1088694	46.80	ng/ul	0.00
76) Pyrene-d10	19.34	212	1474190	41.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1452308	46.02	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.75	94	16073	2.935	ng/ul	97
28) Naphthalene	10.35	128	18451	1.324	ng/ul#	83
44) Dimethylphthalate	13.65	163	142608	9.857	ng/ul	99
49) Acenaphthene	14.24	153	31456	2.612	ng/ul#	81
53) Dibenzofuran	14.59	168	24788	1.373	ng/ul#	87
58) Fluorene	15.24	166	45766	2.936	ng/ul	89
64) N-Nitrosodiphenylamine	15.46	169	46141	3.330	ng/ul	97
69) Phenanthrene	16.98	178	826103	29.737	ng/ul	97
71) Anthracene	17.07	178	177943	6.369	ng/ul	97
72) Carbazole	17.36	167	71504	3.044	ng/ul	98
74) Fluoranthene	19.01	202	1375130	41.432	ng/ul#	94
77) Pyrene	19.37	202	1224439	26.800	ng/ul#	91
80) Benzo(a)anthracene	21.13	228	646174	15.061	ng/ul	97
82) Chrysene	21.19	228	560752	14.010	ng/ul	97
85) Benzo(b)fluoranthene	22.67	252	679119	15.640	ng/ul#	98
86) Benzo(k)fluoranthene	22.71	252	217929m	5.279	ng/ul	
88) Benzo(a)pyrene	23.23	252	476657	12.285	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.47	276	267624	7.108	ng/ul	99
90) Dibenzo(a,h)anthracene	25.47	278	71329m	2.280	ng/ul	
91) Benzo(g,h,i)perylene	26.13	276	200553	6.575	ng/ul	95

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

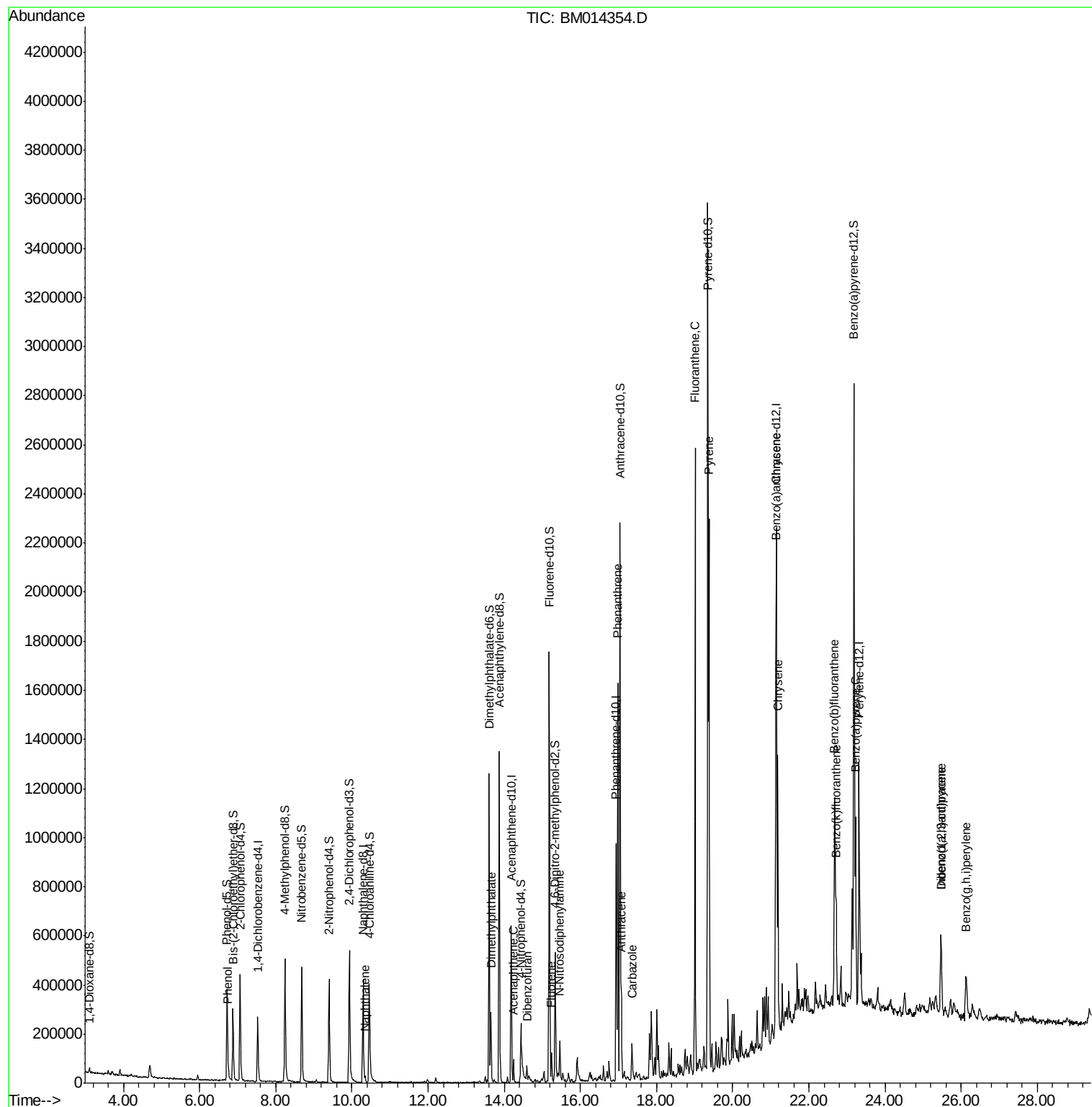
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014354.D
Acq On : 26 Feb 2018 13:47
Operator : SJ/JU
Sample : J1646-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

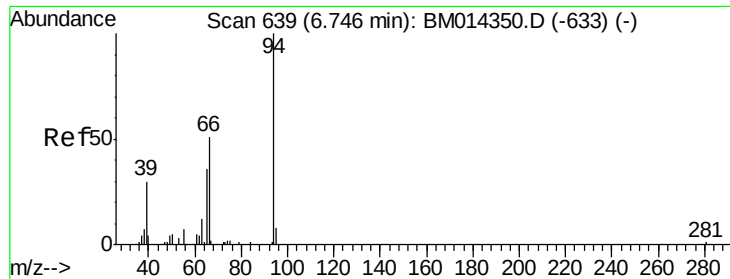
Instrument :
BNA_M
ClientSampleId :
BE5X9

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM

Quant Time: Feb 27 01:57:57 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 27 01:33:52 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.935 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

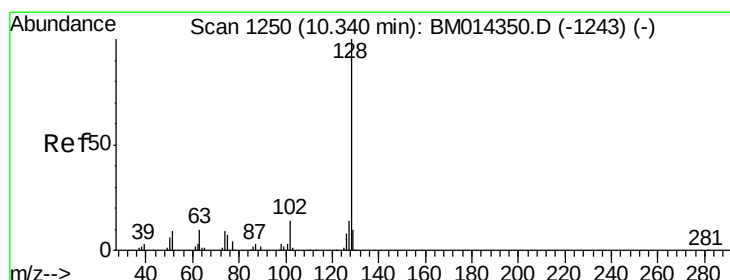
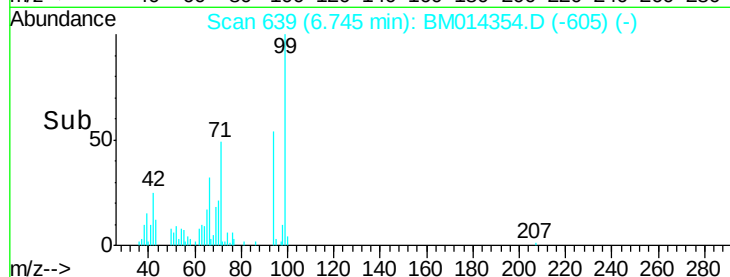
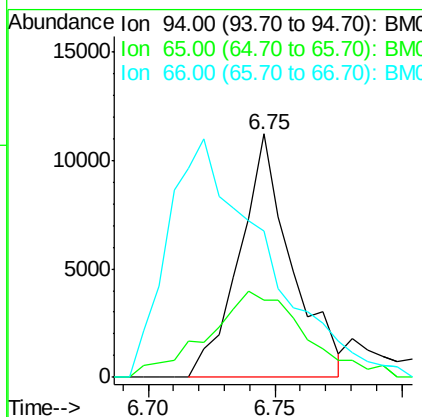
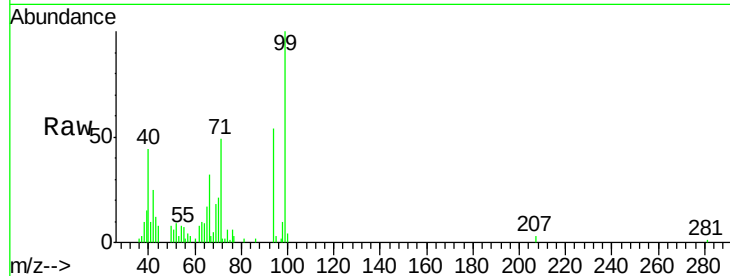
ClientSampled :

BE5X9

Tgt Ion:	94	Resp:	16073
Ion Ratio	Lower	Upper	
94	100		
65	31.9	28.2	42.4
66	60.1	47.2	70.8

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



#28

Naphthalene

Concen: 1.324 ng/ul

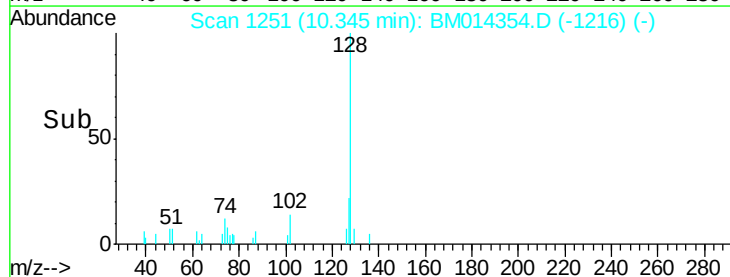
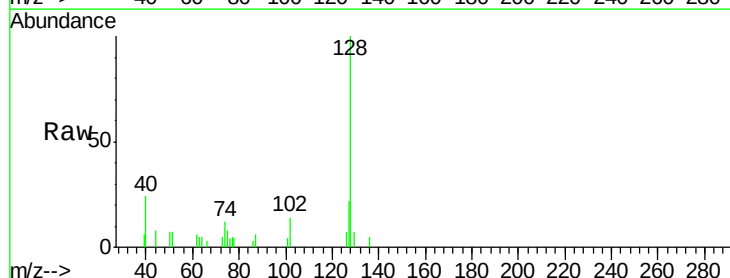
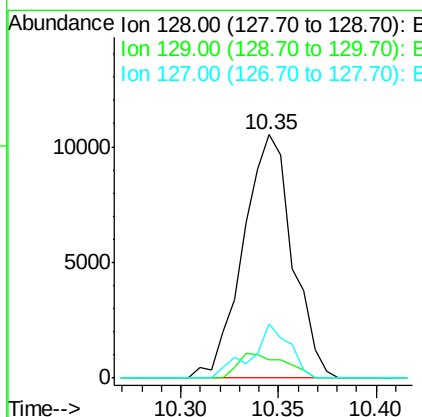
RT: 10.35 min Scan# 1251

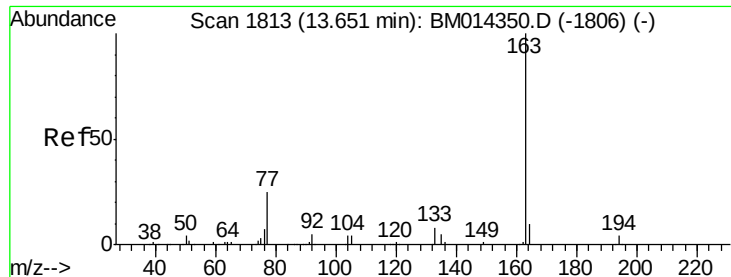
Delta R.T. 0.01 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Tgt Ion:	128	Resp:	18451
Ion Ratio	Lower	Upper	
128	100		
129	7.5	8.8	13.2#
127	22.4	10.6	16.0#





#44

Dimethylphthalate

Concen: 9.857 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

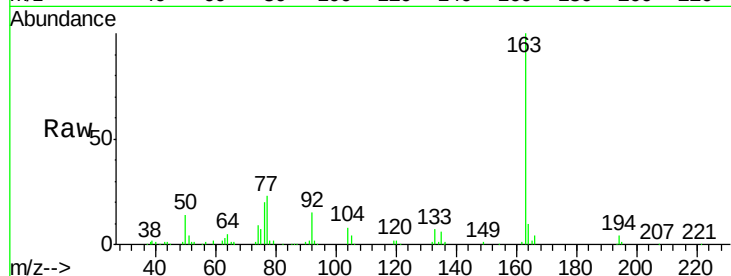
ClientSampleId :

BE5X9

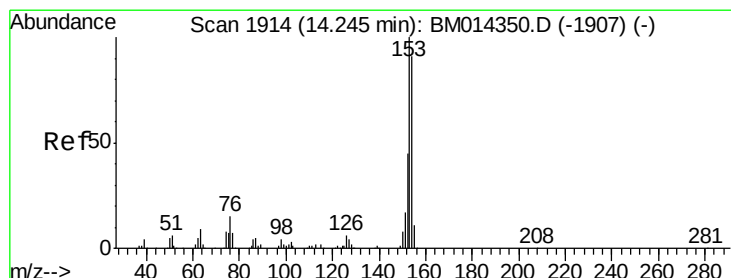
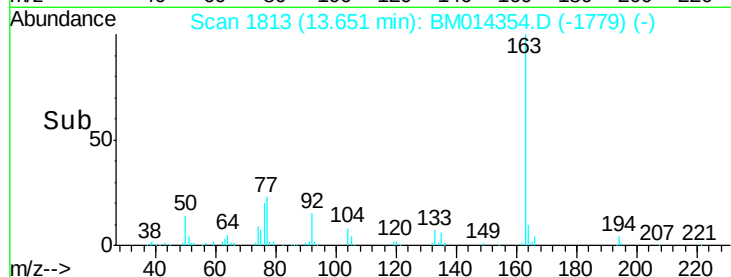
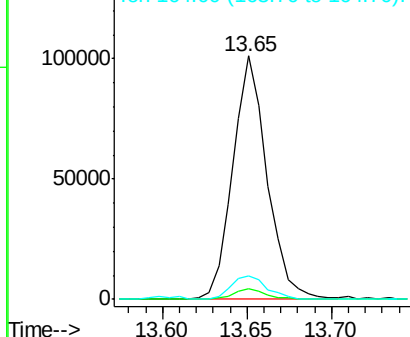
Tgt Ion:	163	Resp:	142608
Ion Ratio		Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.2	12.4

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



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



#49

Acenaphthene

Concen: 2.612 ng/ul

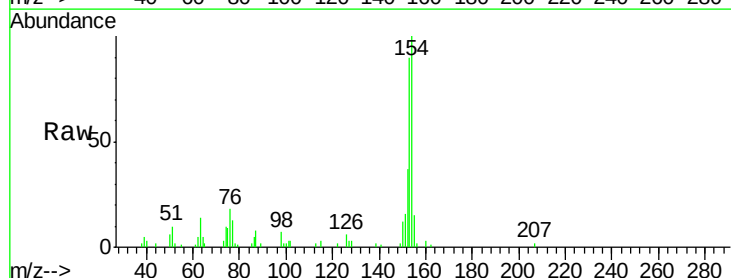
RT: 14.24 min Scan# 1914

Delta R.T. -0.00 min

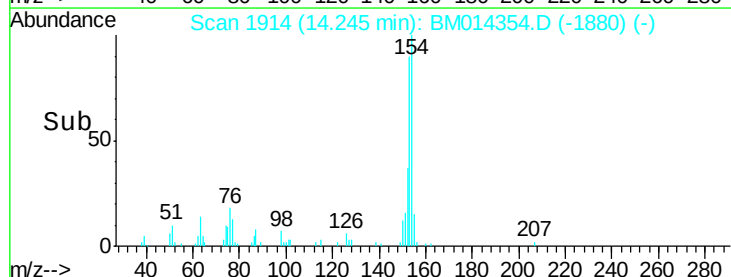
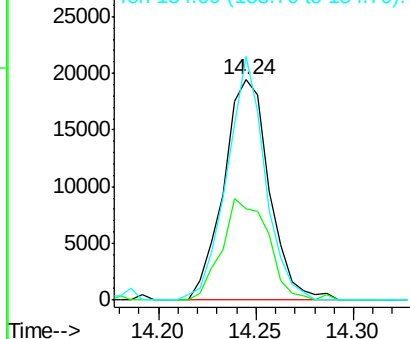
Lab File: BM014354.D

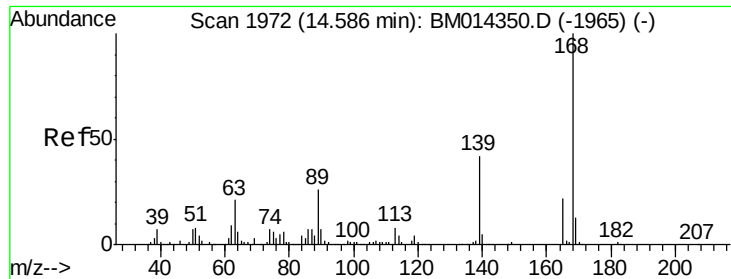
Acq: 26 Feb 2018 13:47

Tgt Ion:	153	Resp:	31456
Ion Ratio		Lower	Upper
153	100		
152	41.3	37.6	56.4
154	110.7	70.4	105.6#



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





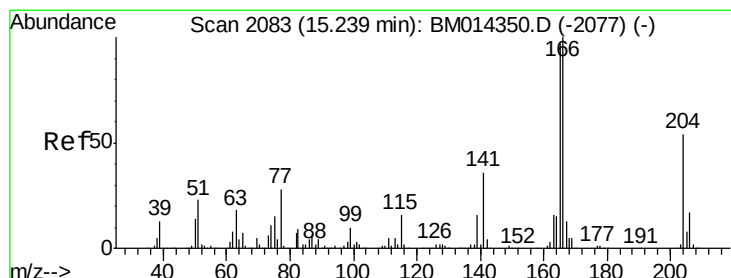
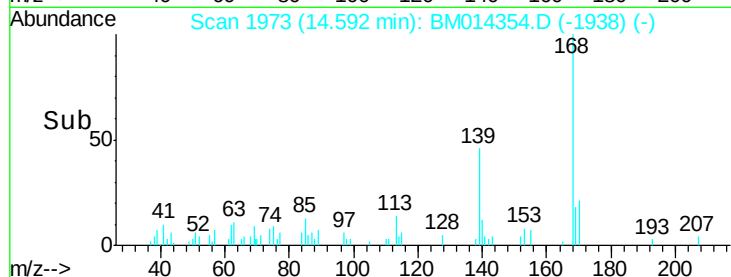
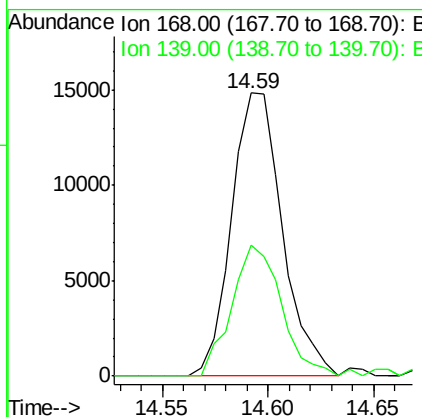
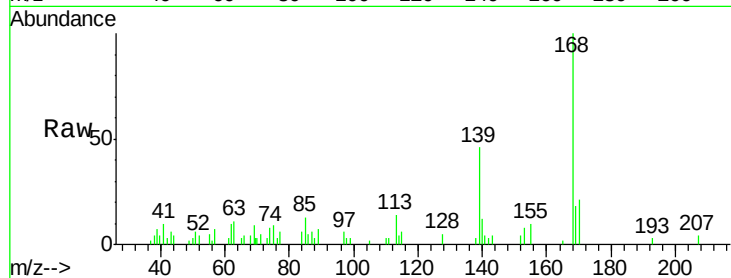
#53
Dibenzenofuran
Concen: 1.373 ng/ul
RT: 14.59 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BM014354.D
Acq: 26 Feb 2018 13:47

Instrument :
BNA_M
ClientSampled :
BE5X9

Tgt Ion:168 Resp: 24788
Ion Ratio Lower Upper
168 100
139 46.5 30.8 46.2#

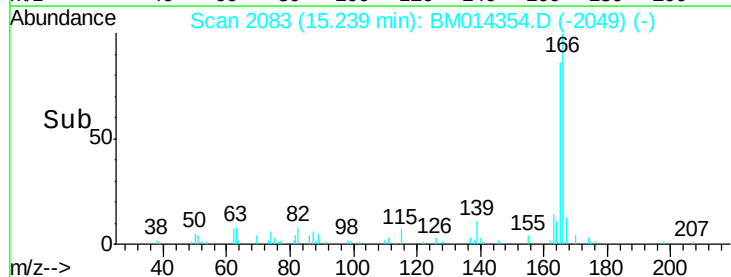
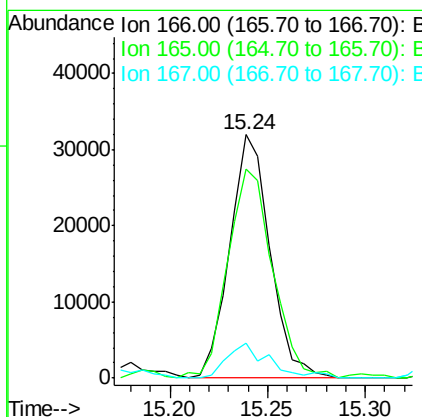
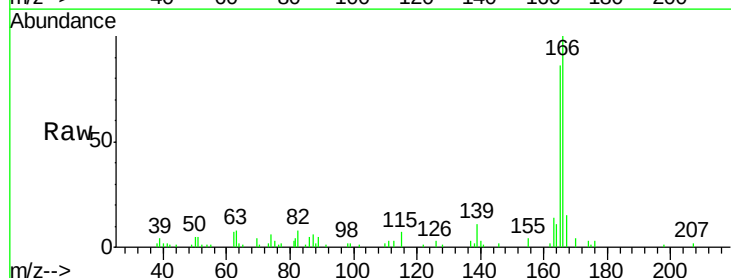
Manual Integrations
APPROVED

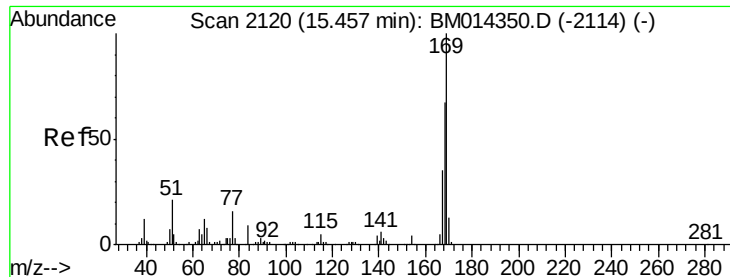
Sohil
2/27/2018 4:57:42 PM



#58
Fluorene
Concen: 2.936 ng/ul
RT: 15.24 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BM014354.D
Acq: 26 Feb 2018 13:47

Tgt Ion:166 Resp: 45766
Ion Ratio Lower Upper
166 100
165 86.0 77.9 116.9
167 14.5 10.6 16.0





#64

N-Nitrosodiphenylamine

Concen: 3.330 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

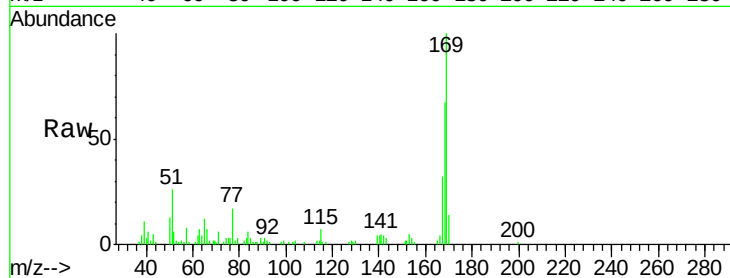
ClientSampleId :

BE5X9

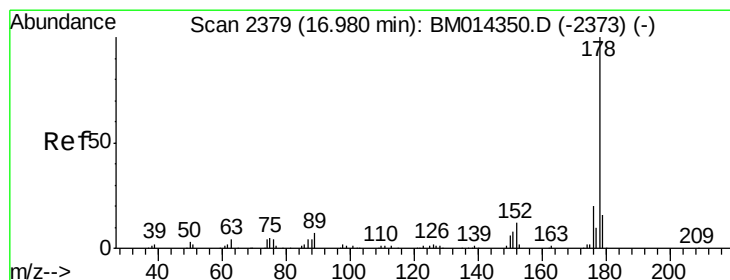
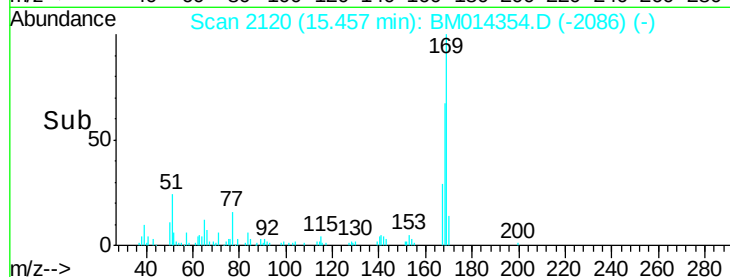
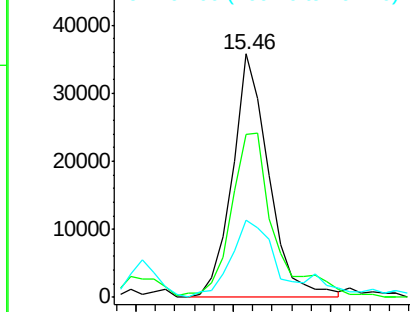
Tgt Ion:	169	Resp:	46141
Ion Ratio	Lower	Upper	
169	100		
168	66.8	54.0	81.0
167	31.7	29.1	43.7

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 29.737 ng/ul

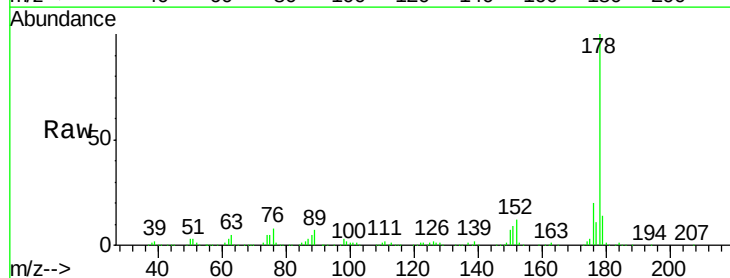
RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

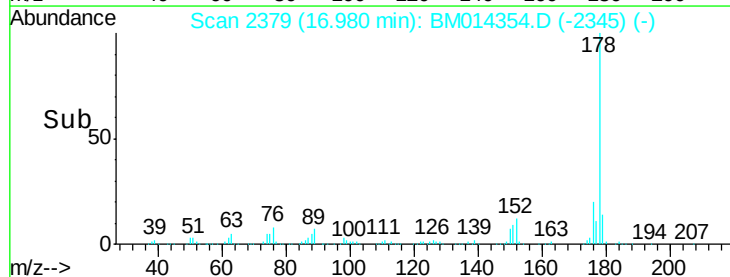
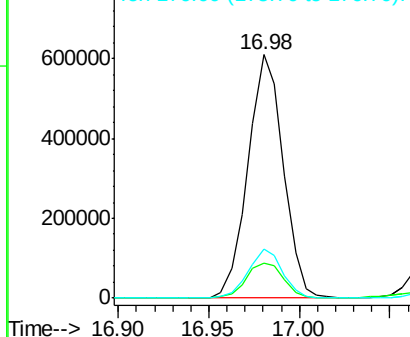
Lab File: BM014354.D

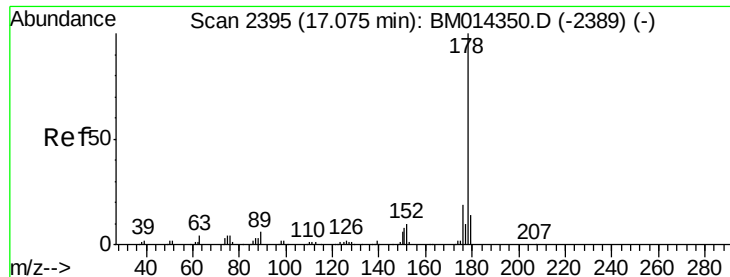
Acq: 26 Feb 2018 13:47

Tgt Ion:	178	Resp:	826103
Ion Ratio	Lower	Upper	
178	100		
179	14.4	12.6	19.0
176	19.9	14.9	22.3



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: 6.369 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

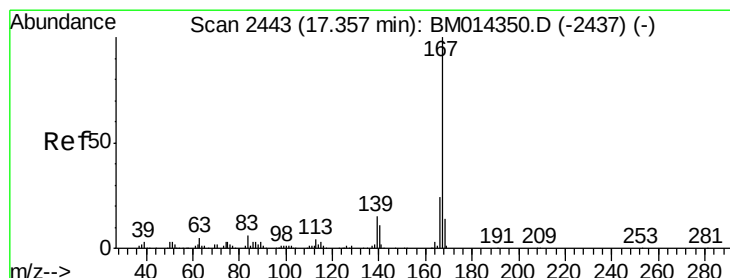
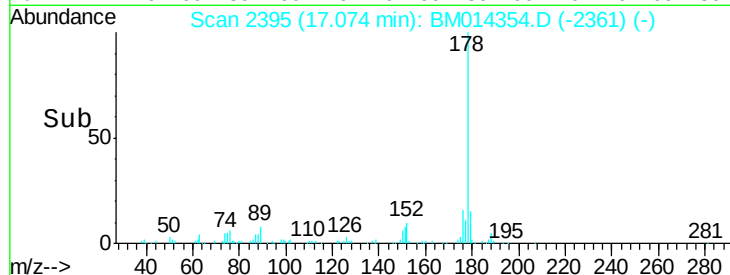
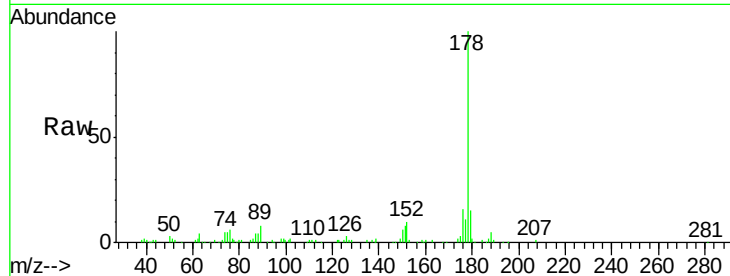
ClientSampleId :

BE5X9

Tgt Ion:	178	Resp:	177943
Ion Ratio	Lower	Upper	
178	100		
179	15.2	11.7	17.5
176	16.3	14.6	21.8

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



#72

Carbazole

Concen: 3.044 ng/ul

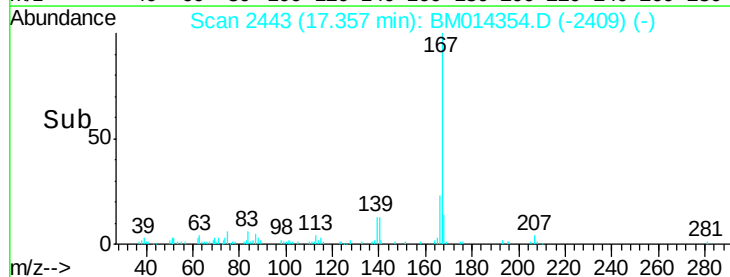
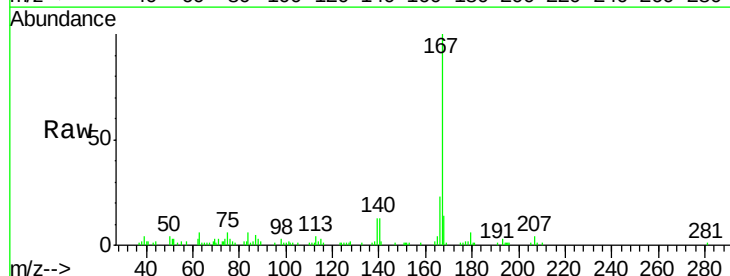
RT: 17.36 min Scan# 2443

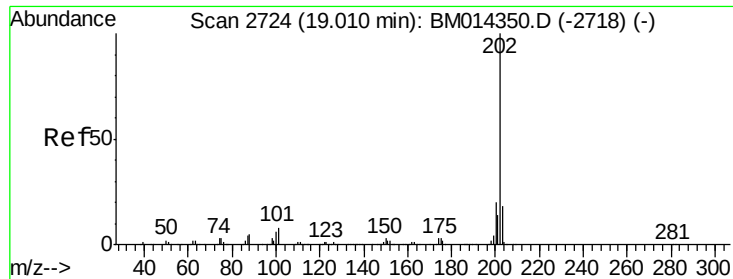
Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Tgt Ion:	167	Resp:	71504
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.1	25.7
139	13.2	10.0	15.0





#74

Fluoranthene

Concen: 41.432 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

ClientSampleId :

BE5X9

Tgt Ion:202 Resp: 1375130

Ion Ratio Lower Upper

202 100

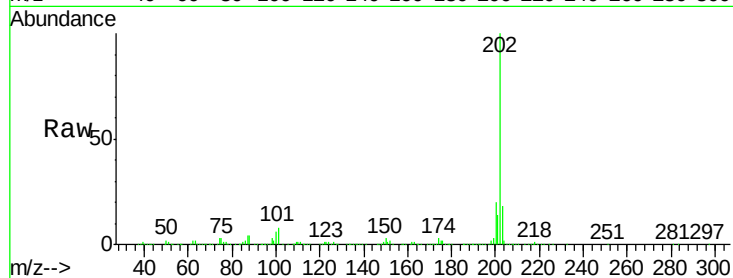
101 7.7 4.6 7.0#

100 6.4 3.4 5.2#

Manual Integrations
APPROVED

Sohil

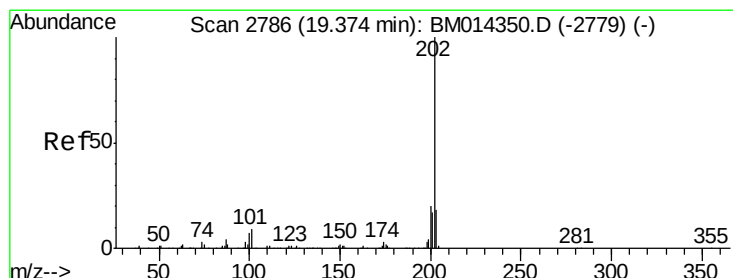
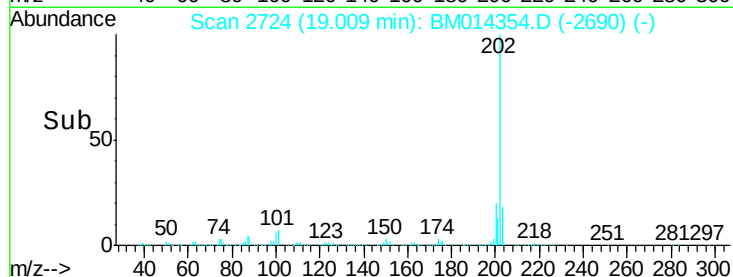
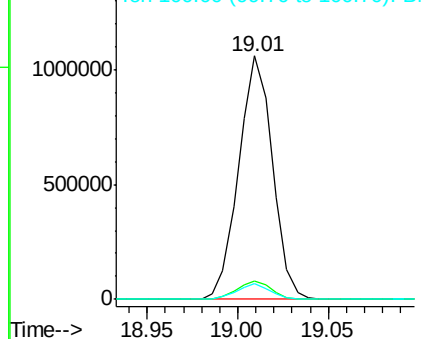
2/27/2018 4:57:42 PM



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): B



#77

Pyrene

Concen: 26.800 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

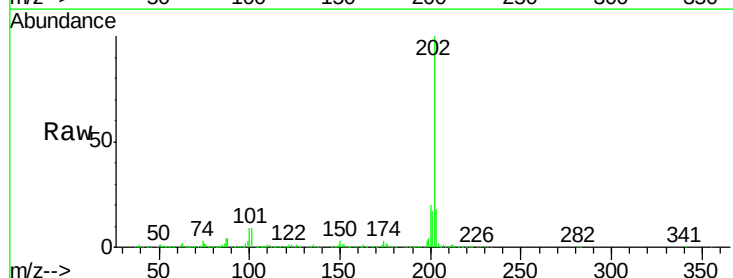
Tgt Ion:202 Resp: 1224439

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

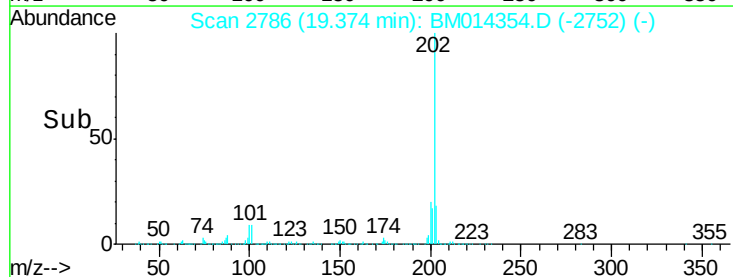
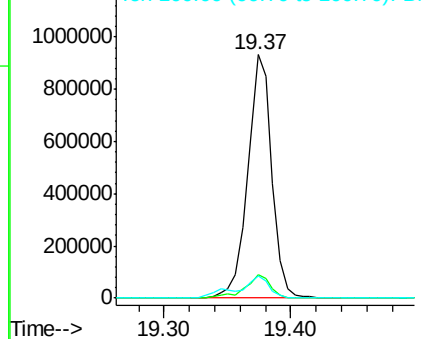
100 9.0 4.9 7.3#

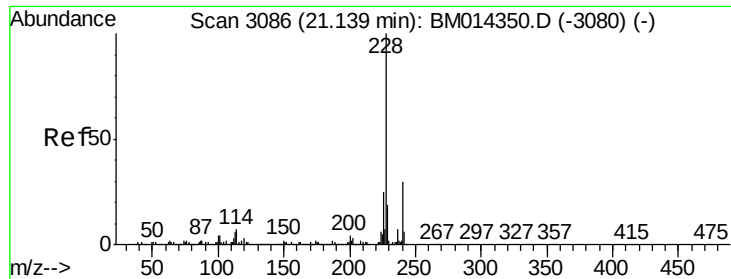


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 15.061 ng/ul

RT: 21.13 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

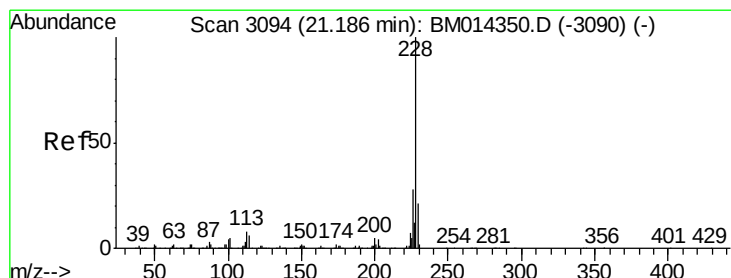
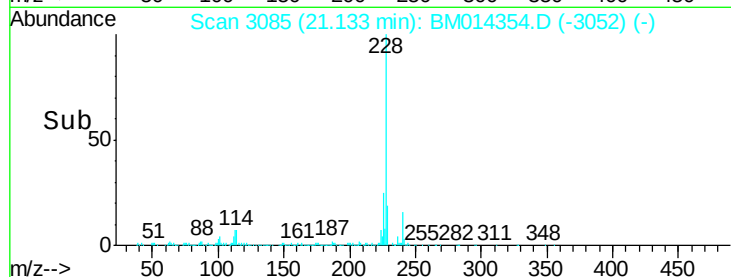
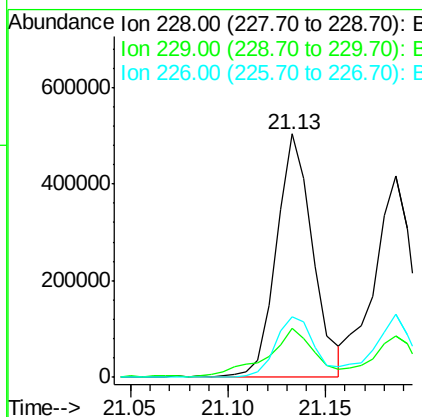
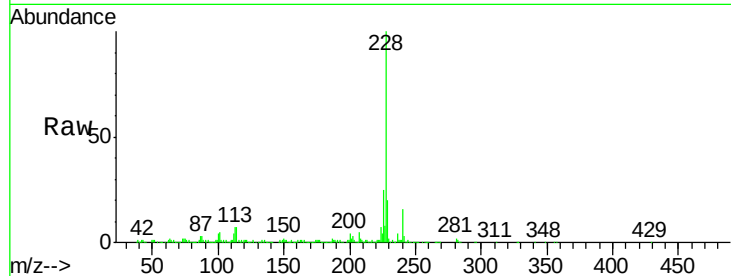
ClientSampleId :

BE5X9

Tgt	Ion:228	Resp:	646174
Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.0
226	25.0	21.4	32.0

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



#82

Chrysene

Concen: 14.010 ng/ul

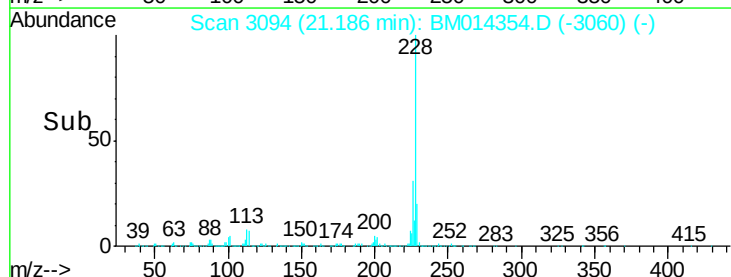
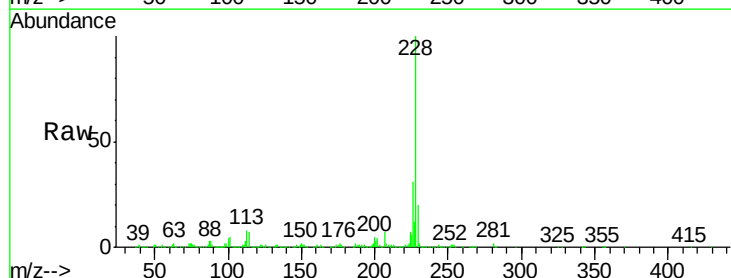
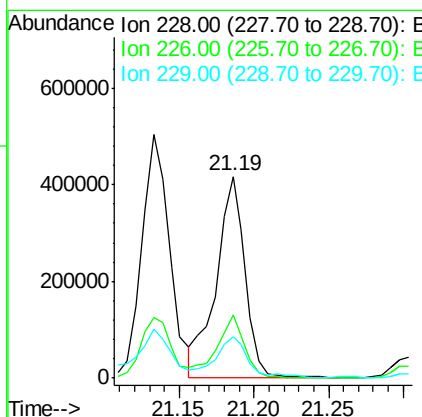
RT: 21.19 min Scan# 3094

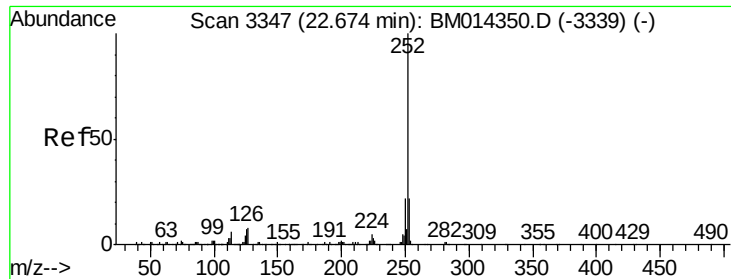
Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Tgt	Ion:228	Resp:	560752
Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.4	35.2
229	20.4	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 15.640 ng/ul

RT: 22.67 min Scan# 3347

Delta R.T. -0.00 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

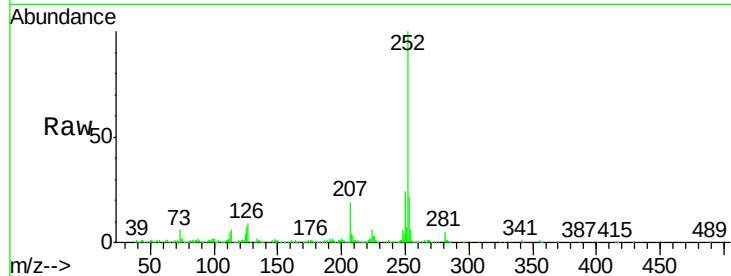
ClientSampleId :

BE5X9

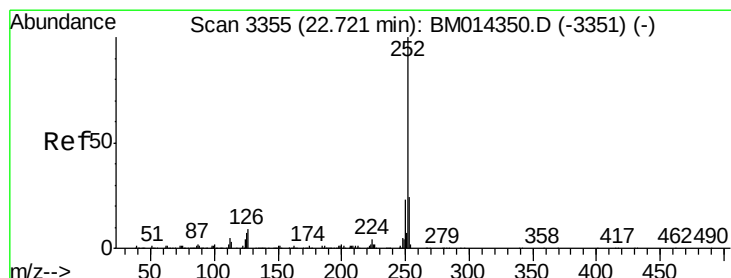
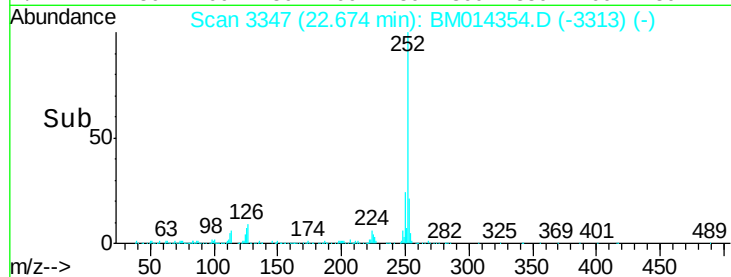
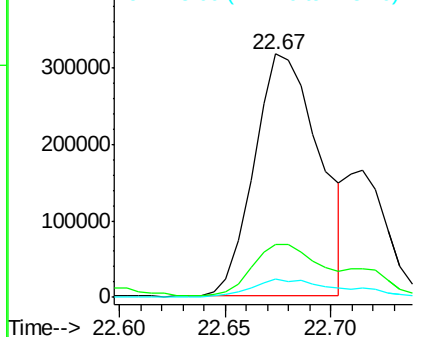
Tgt Ion:	252	Resp:	679119
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.9	26.9
125	7.4	3.6	5.4#

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



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: 5.279 ng/ul m

RT: 22.71 min Scan# 3354

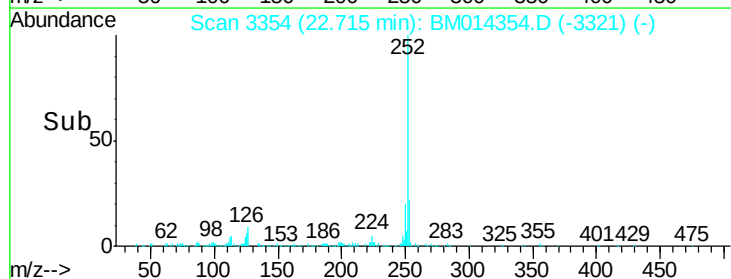
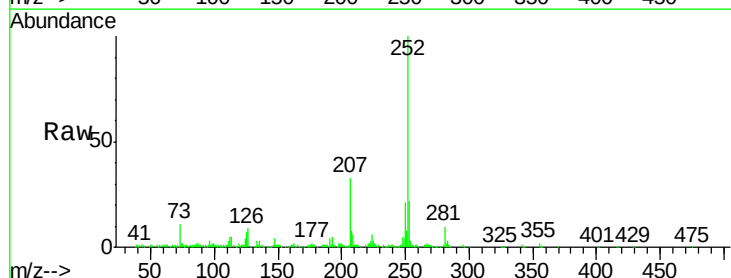
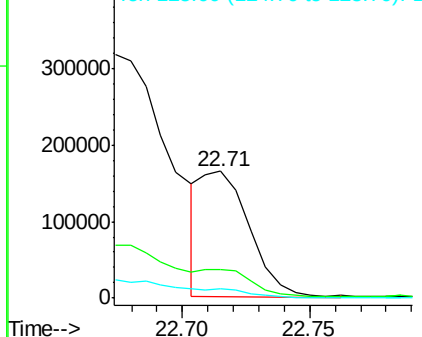
Delta R.T. -0.01 min

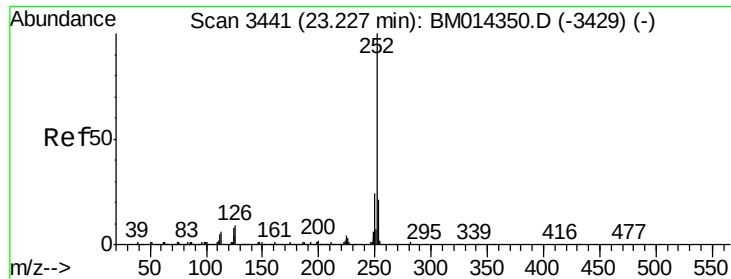
Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Tgt Ion:	252	Resp:	217929
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	7.0	3.4	5.2#

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





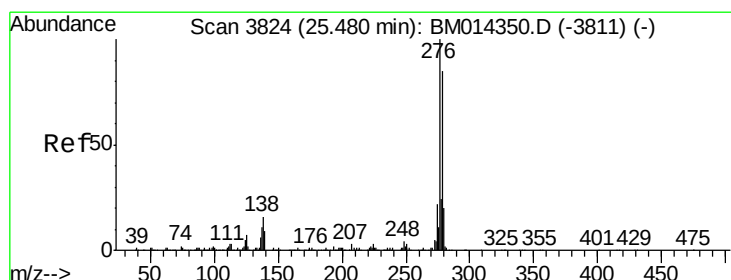
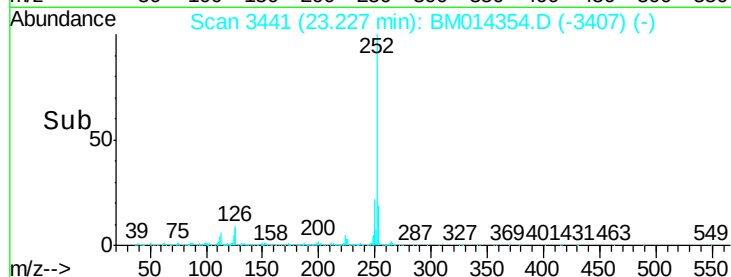
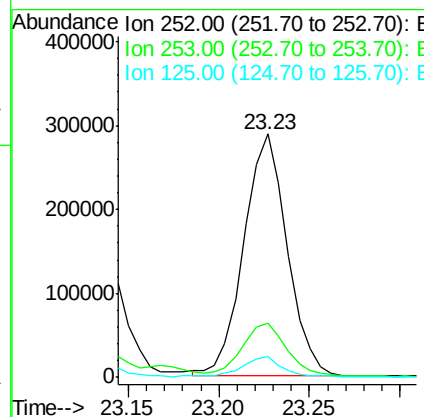
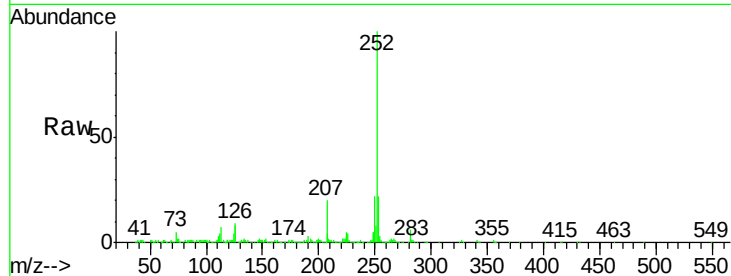
#88
Benzo(a)pyrene
Concen: 12.285 ng/ul
RT: 23.23 min Scan# 3441
Delta R.T. -0.00 min
Lab File: BM014354.D
Acq: 26 Feb 2018 13:47

Instrument :
BNA_M
ClientSampleId :
BE5X9

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.2	18.2	27.2
125	8.5	4.0	6.0

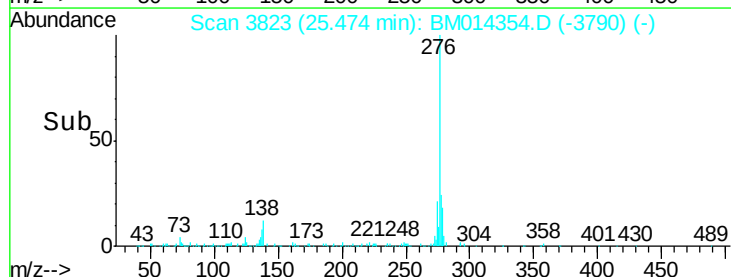
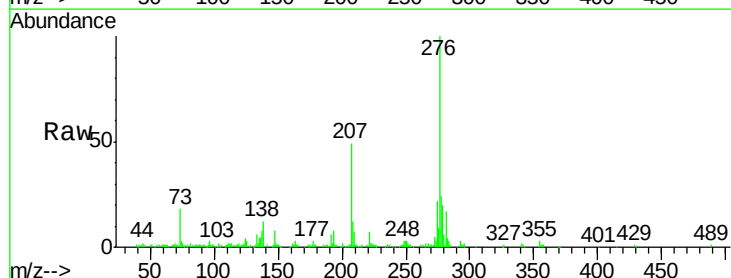
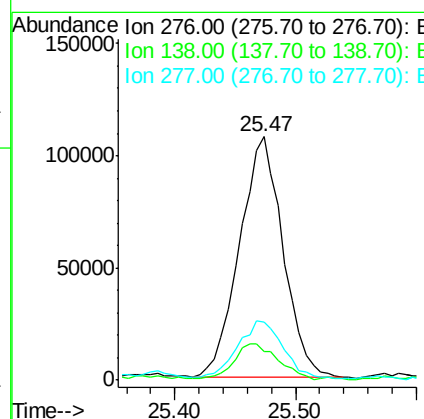
Manual Integrations
APPROVED

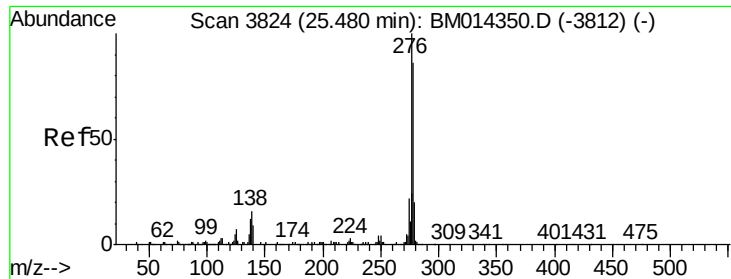
Sohil
2/27/2018 4:57:42 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 7.108 ng/ul
RT: 25.47 min Scan# 3823
Delta R.T. -0.01 min
Lab File: BM014354.D
Acq: 26 Feb 2018 13:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	11.8	9.3	13.9
277	24.0	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 2.280 ng/ul m

RT: 25.47 min Scan# 3822

Delta R.T. -0.01 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Instrument :

BNA_M

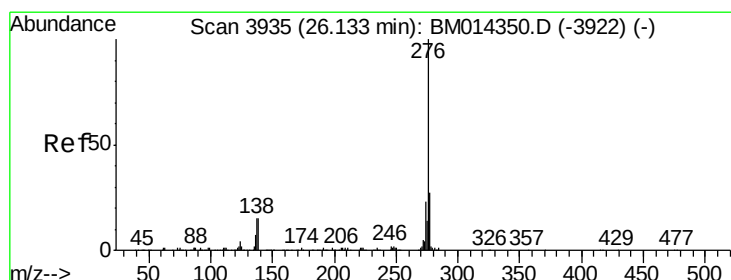
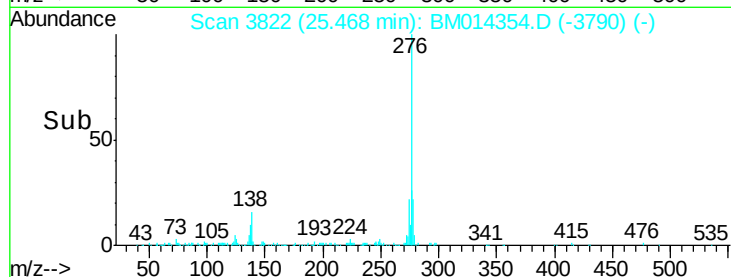
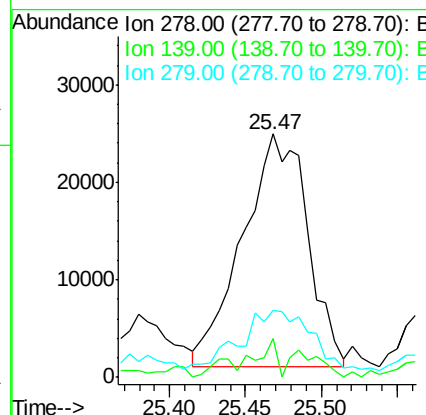
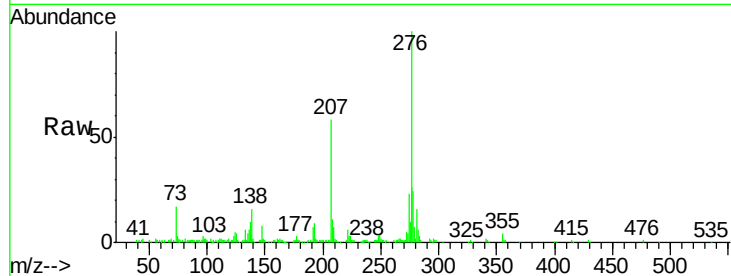
ClientSampleId :

BE5X9

Tgt Ion:	278	Resp:	71329
Ion Ratio	Lower	Upper	
278	100		
139	8.5	5.8	8.8
279	27.3	18.6	27.8

Manual Integrations
APPROVED

Sohil
2/27/2018 4:57:42 PM



#91

Benzo(g,h,i)perylene

Concen: 6.575 ng/ul

RT: 26.13 min Scan# 3934

Delta R.T. -0.01 min

Lab File: BM014354.D

Acq: 26 Feb 2018 13:47

Tgt Ion:	276	Resp:	200553
Ion Ratio	Lower	Upper	
276	100		
138	12.7	8.5	12.7
277	20.8	18.6	28.0

