

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014402.D
 Acq On : 28 Feb 2018 14:00
 Operator : SJ/JU
 Sample : J1646-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5Y3

Manual Integrations
 APPROVED

Sohil
 3/1/2018 5:14:37 PM

Quant Time: Mar 08 18:06:45 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	100863	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	433599	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	244412	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	512228	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	472684	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	455546	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	11141	4.73	ng/uL	0.00
5) Phenol-d5	6.72	99	226935	26.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	144159	27.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	192091	29.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	184973	24.80	ng/ul	0.00
19) Nitrobenzene-d5	8.68	128	95360	29.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	109405	32.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	192721	28.06	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	167206	24.71	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	621101	30.77	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	801283	32.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	62460m	22.41	ng/ul	0.03
57) Fluorene-d10	15.18	176	525579	29.06	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	21890	7.12	ng/ul	0.01
70) Anthracene-d10	17.04	188	802475	32.47	ng/ul	0.00
76) Pyrene-d10	19.35	212	810256	33.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	697889	31.48	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.75	94	24318	2.718	ng/ul	93
44) Dimethylphthalate	13.65	163	157515	7.914	ng/ul	97
47) Acenaphthylene	13.90	152	67632	2.875	ng/ul	97
58) Fluorene	15.24	166	28677	1.337	ng/ul#	98
69) Phenanthrene	16.98	178	605613	20.521	ng/ul	99
71) Anthracene	17.07	178	161323	5.435	ng/ul	96
72) Carbazole	17.36	167	55243	2.214	ng/ul	99
74) Fluoranthene	19.01	202	1170010	33.183	ng/ul#	93
77) Pvrene	19.38	202	1122319	35.728	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	656394	22.250	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	20832	1.120	ng/ul	97
82) Chrysene	21.19	228	567611	20.625	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	767239	25.153	ng/ul#	97
86) Benzo(k)fluoranthene	22.73	252	229405m	7.910	ng/ul	
88) Benzo(a)pyrene	23.24	252	532729	19.545	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.50	276	362200	13.694	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	101169	4.603	ng/ul#	69
91) Benzo(g,h,i)perylene	26.16	276	270807	12.639	ng/ul#	96

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

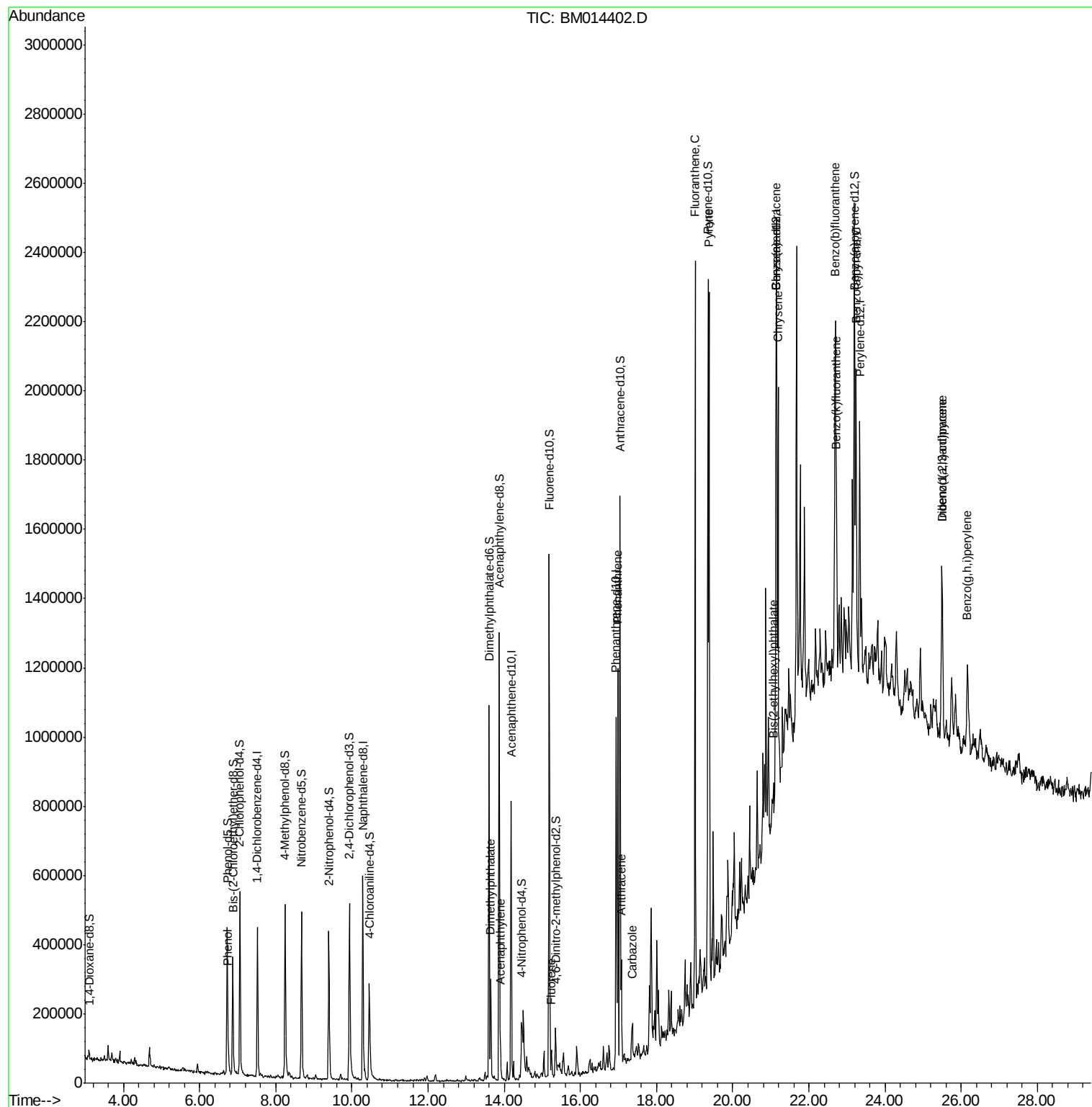
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014402.D
Acq On : 28 Feb 2018 14:00
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Misc :
ALS Vial : 8 Sample Multiplier: 1

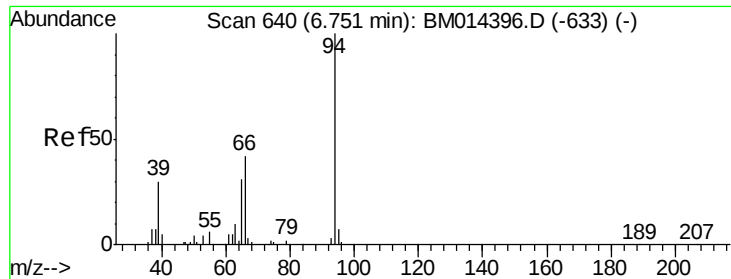
Instrument :
BNA_M
ClientSampleId :
BE5Y3

Quant Time: Mar 08 18:06:45 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
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#6

Phenol

Concen: 2.718 ng/ul

RT: 6.75 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

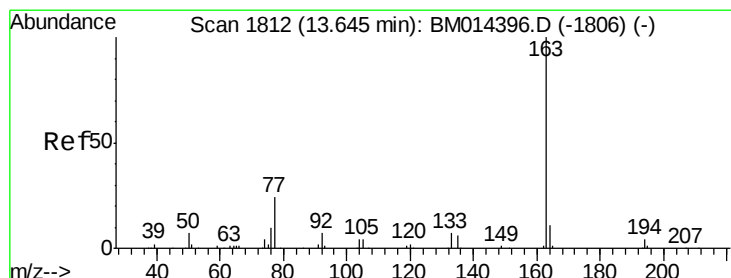
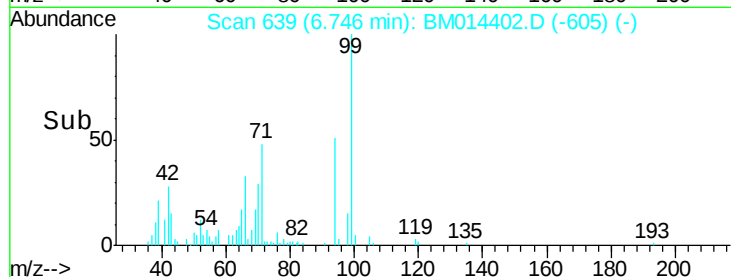
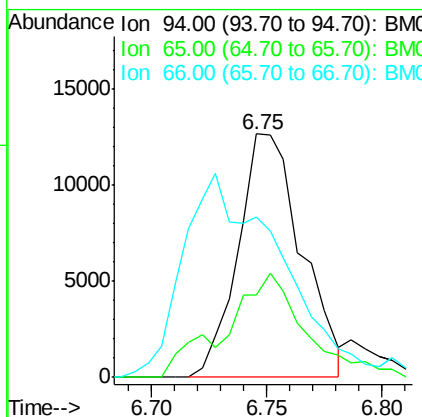
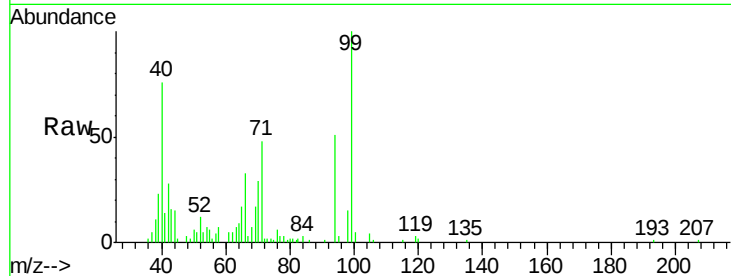
ClientSampleId :

BE5Y3

Tot Ion:	94	Resp:	24318
Ion	Ratio	Lower	Upper
94	100		
65	34.0	28.2	42.4
66	65.9	47.2	70.8

Manual Integrations
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#44

Dimethylphthalate

Concen: 7.914 ng/ul

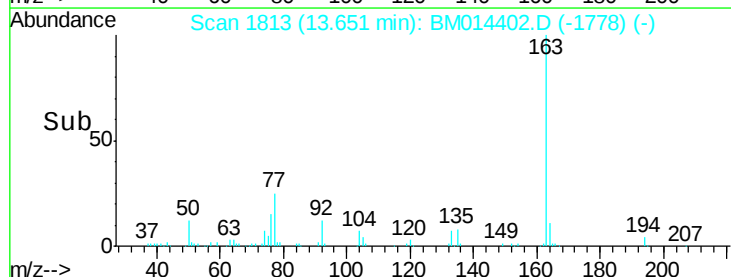
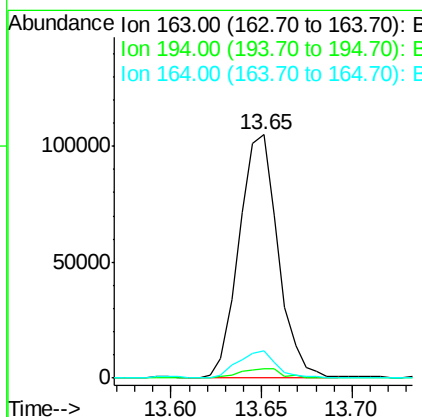
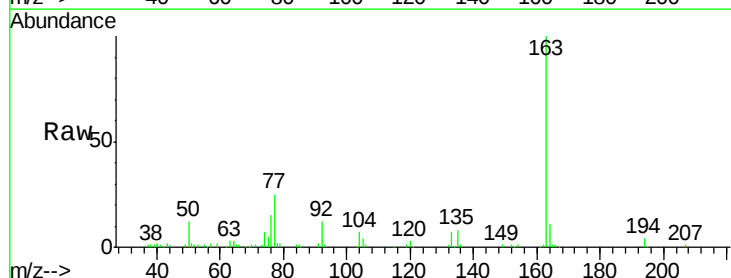
RT: 13.65 min Scan# 1813

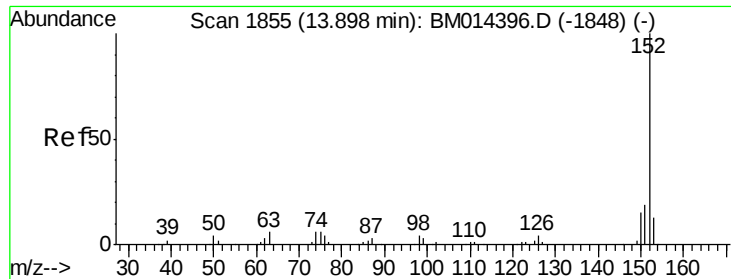
Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	163	Resp:	157515
Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	11.3	8.2	12.4





#47

Acenaphthylene

Concen: 2.875 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

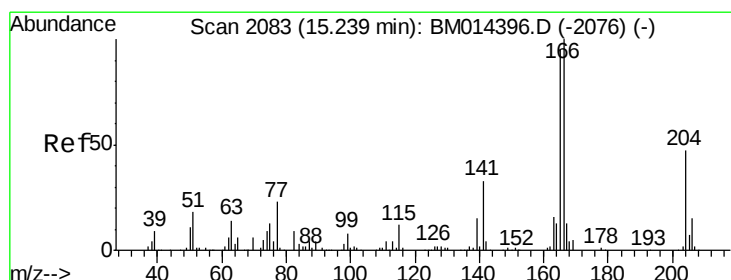
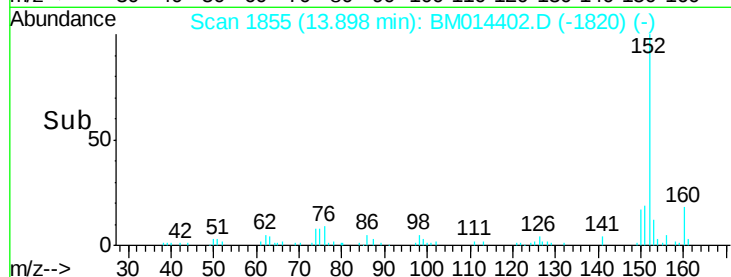
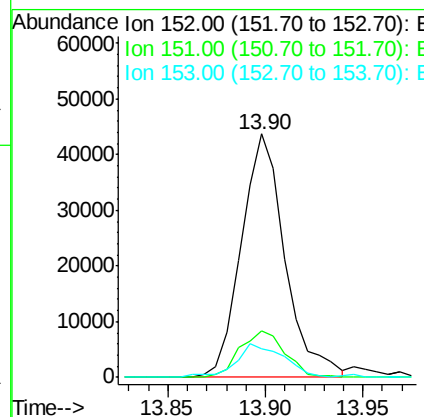
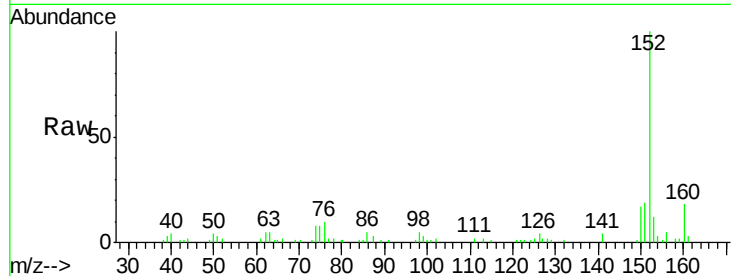
ClientSampled :

BE5Y3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		67632		
151	19.1	16.3	24.5		
153	11.9	10.2	15.4		

Manual Integrations
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#58

Fluorene

Concen: 1.337 ng/ul

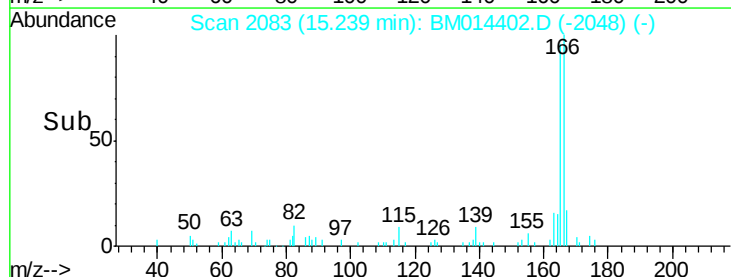
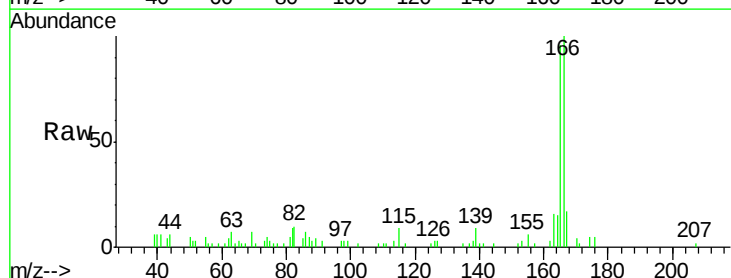
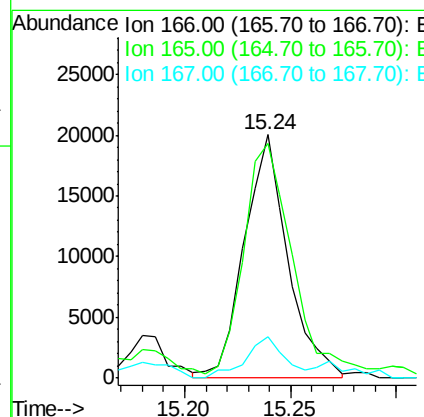
RT: 15.24 min Scan# 2083

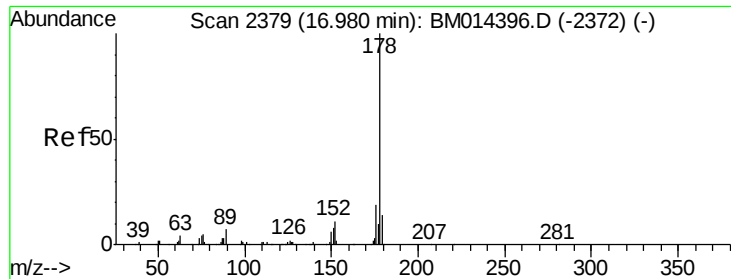
Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		28677		
165	96.2	77.9	116.9		
167	17.0	10.6	16.0		





#69

Phenanthrene

Concen: 20.521 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

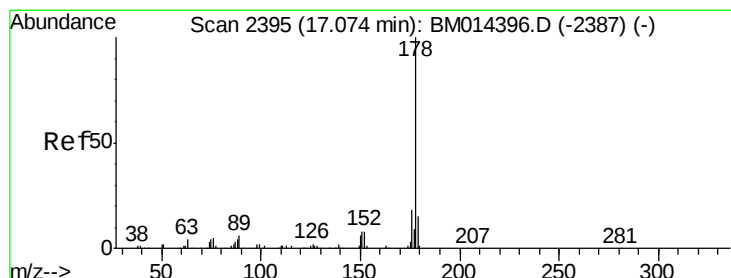
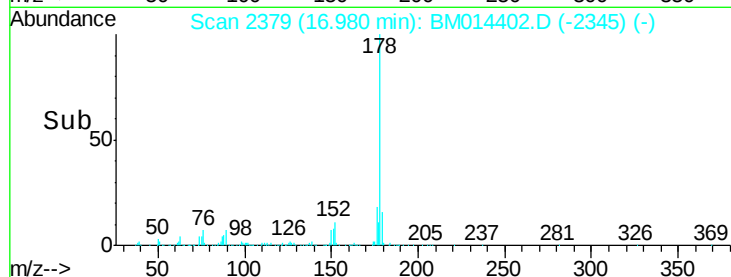
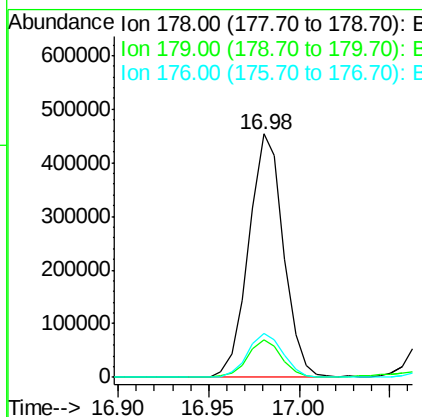
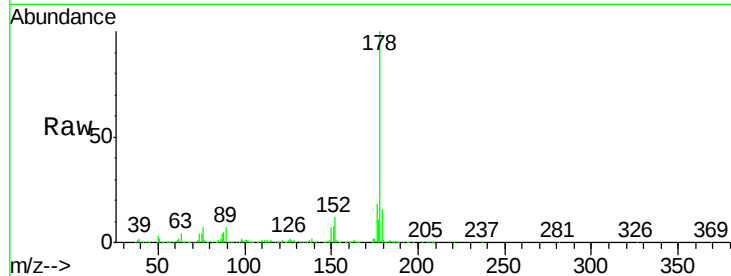
ClientSampleId :

BE5Y3

Tot Ion:	178	Resp:	605613
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.6	19.0
176	17.8	14.9	22.3

Manual Integrations
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#71

Anthracene

Concen: 5.435 ng/ul

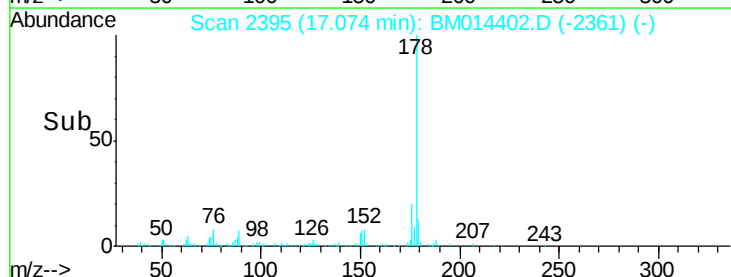
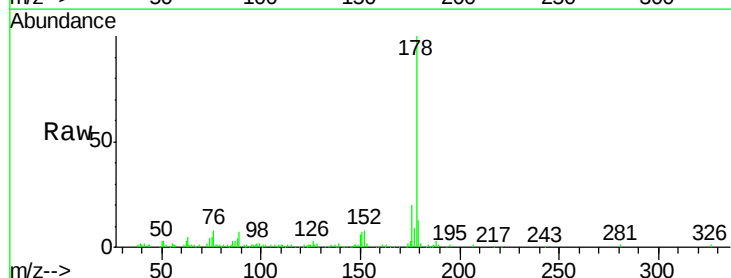
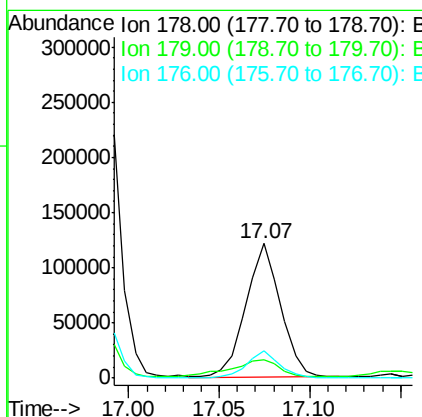
RT: 17.07 min Scan# 2395

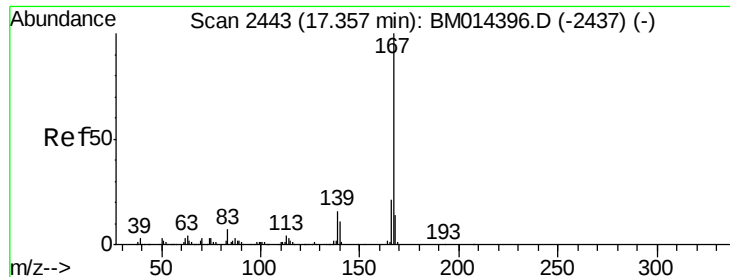
Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	178	Resp:	161323
Ion Ratio	Lower	Upper	
178	100		
179	13.2	11.7	17.5
176	20.5	14.6	21.8





#72

Carbazole

Concen: 2.214 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

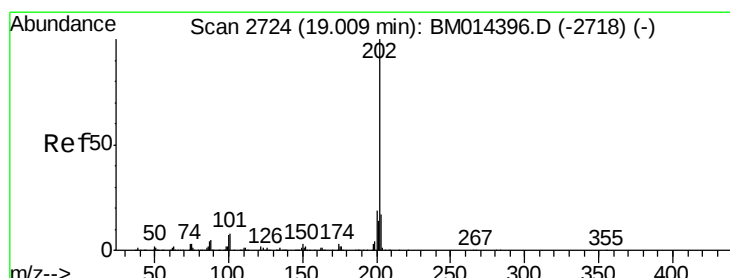
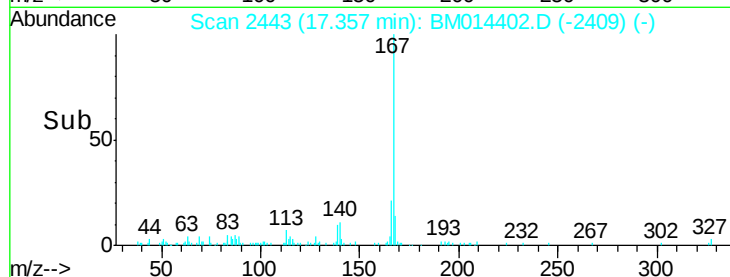
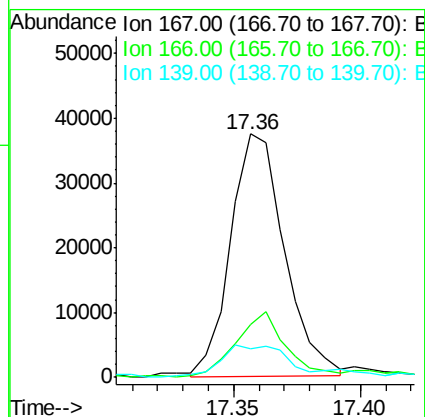
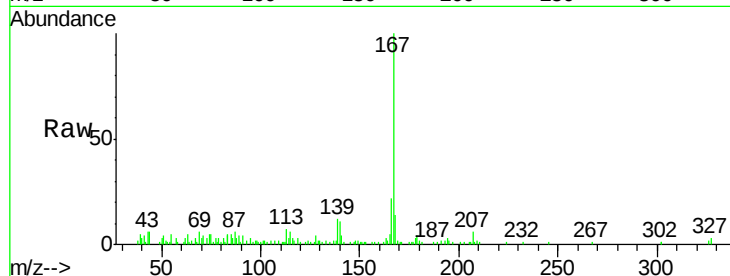
ClientSampleId :

BE5Y3

Tot Ion:	167	Resp:	55243
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.1	25.7
139	11.6	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 33.183 ng/ul

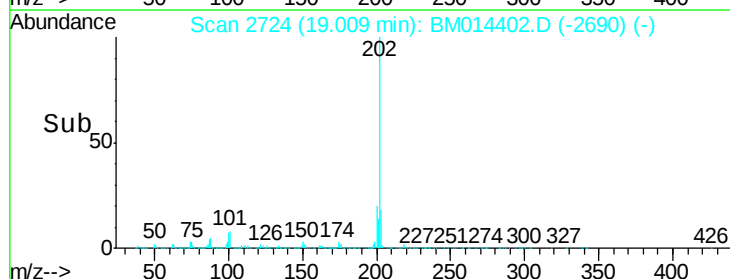
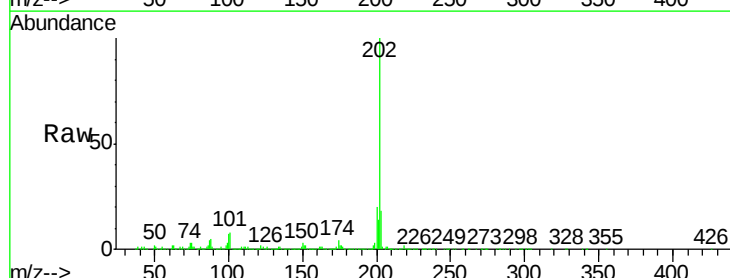
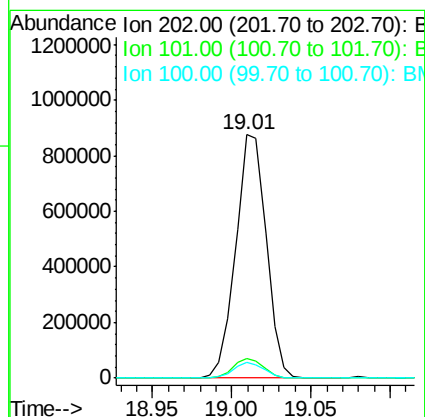
RT: 19.01 min Scan# 2724

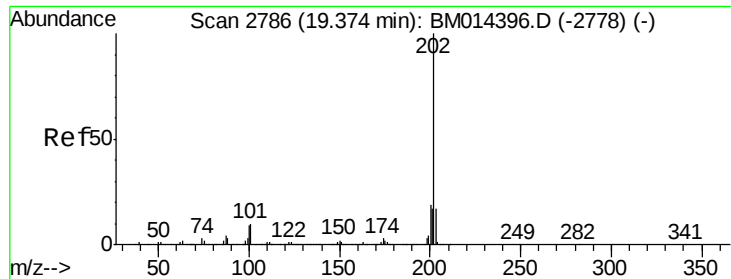
Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	202	Resp:	1170010
Ion Ratio	Lower	Upper	
202	100		
101	8.3	4.6	7.0#
100	6.7	3.4	5.2#





#77

Pvrene

Concen: 35.728 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

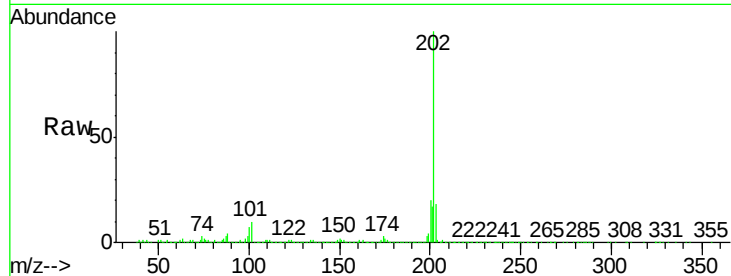
ClientSampled :

BE5Y3

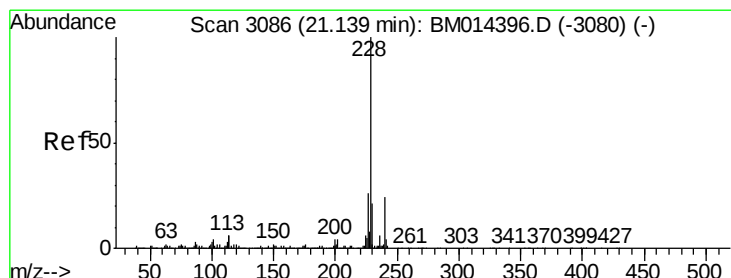
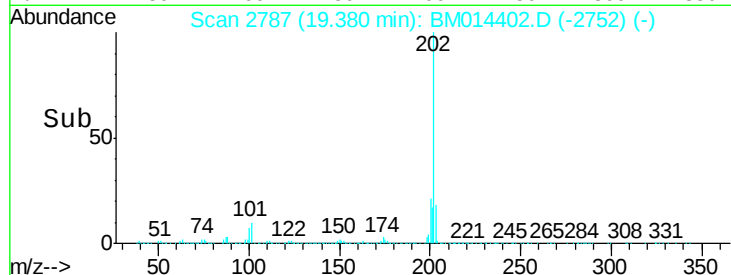
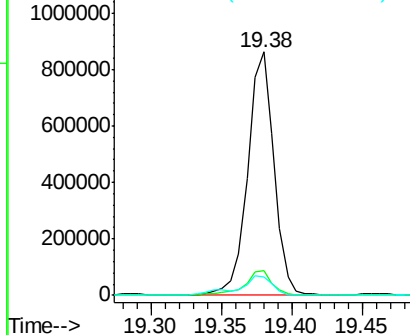
Tot Ion:	202	Resp:	1122319
Ion Ratio	Lower	Upper	
202	100		
101	9.9	5.1	7.7#
100	7.4	4.9	7.3#

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 22.250 ng/ul

RT: 21.14 min Scan# 3086

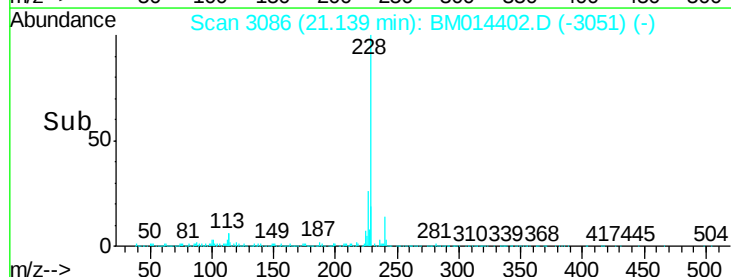
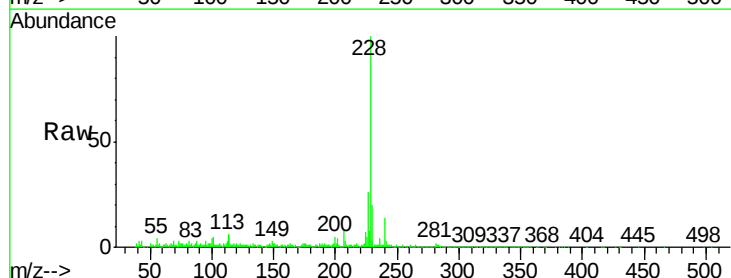
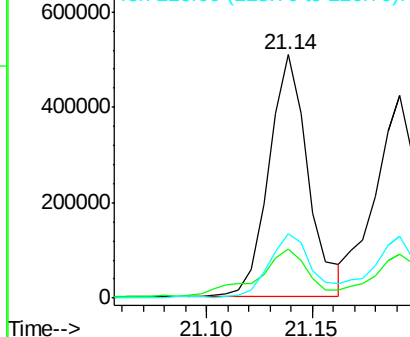
Delta R.T. 0.01 min

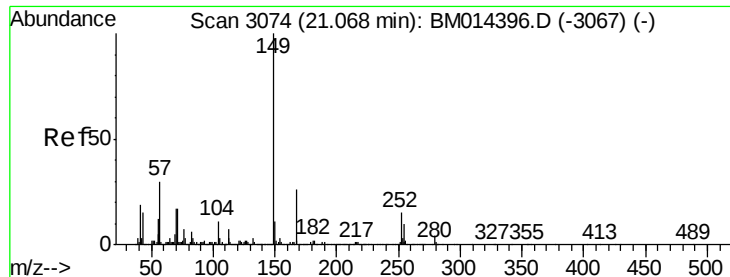
Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	228	Resp:	656394
Ion Ratio	Lower	Upper	
228	100		
229	20.2	15.4	23.0
226	26.4	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: 1.120 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

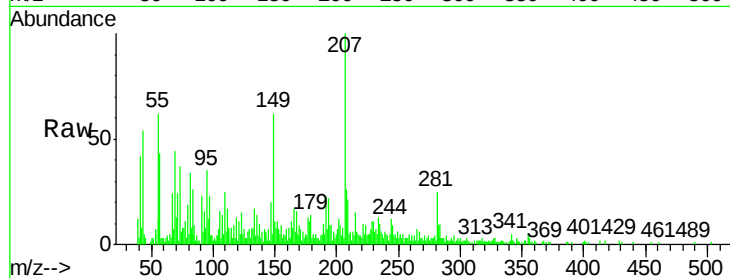
ClientSampleId :

BE5Y3

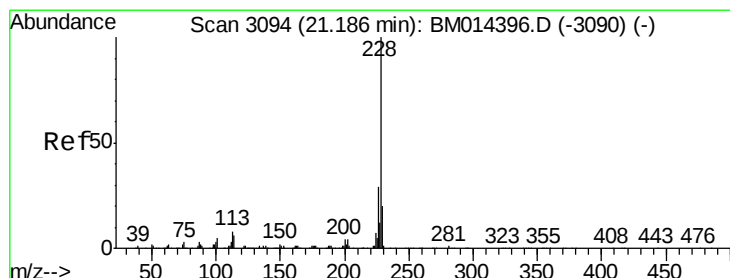
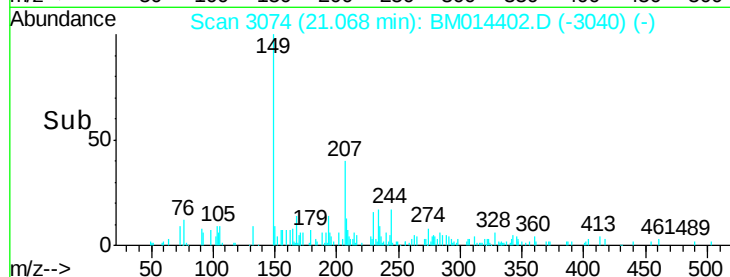
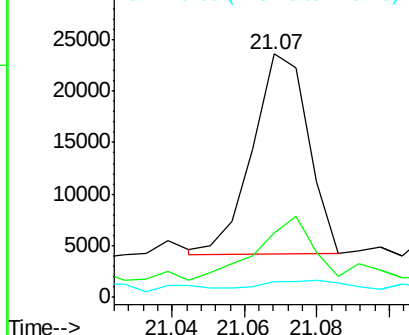
Tot Ion:	149	Resp:	20832
Ion Ratio	Lower	Upper	
149	100		
167	26.3	22.8	34.2
279	6.2	4.9	7.3

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 20.625 ng/ul

RT: 21.19 min Scan# 3095

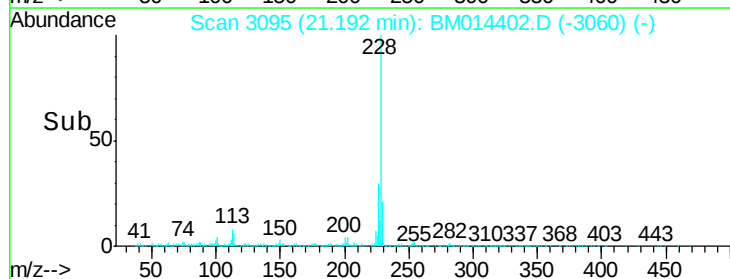
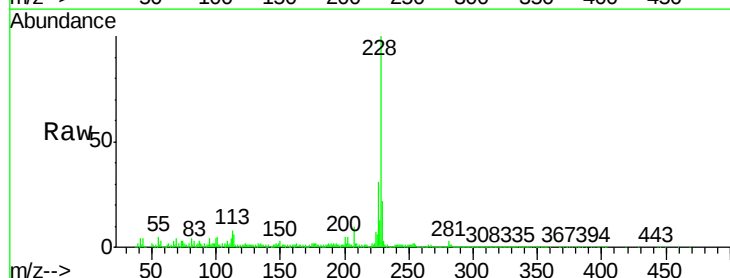
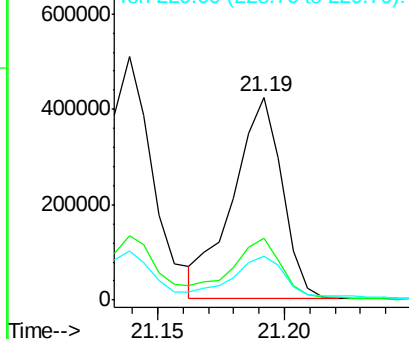
Delta R.T. 0.01 min

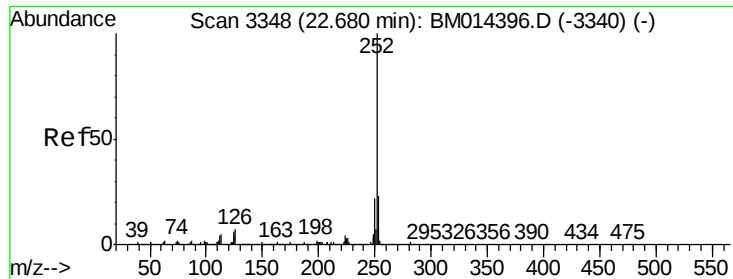
Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	228	Resp:	567611
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.4	35.2
229	21.5	15.5	23.3

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: 25.153 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

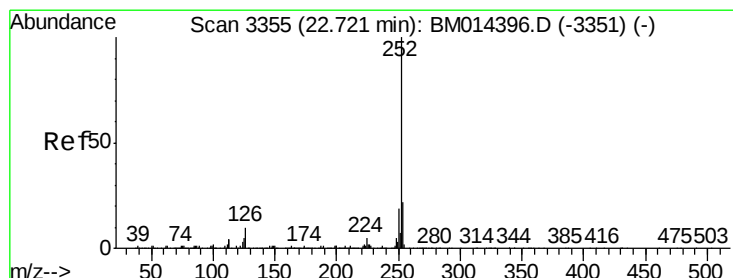
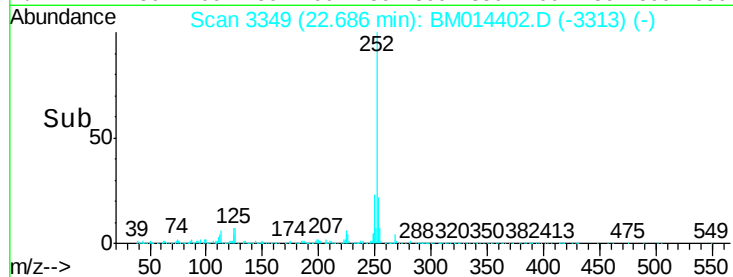
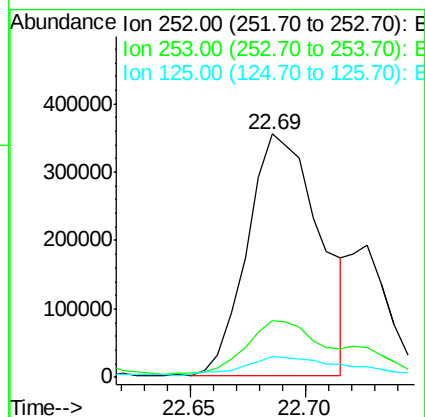
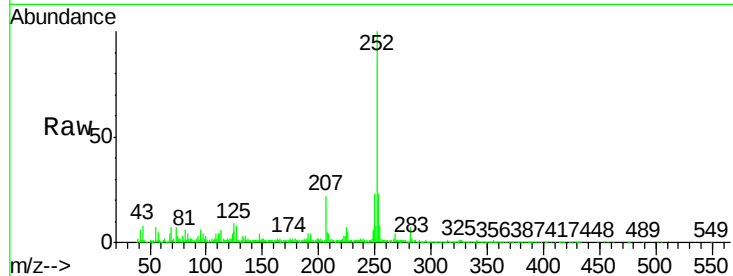
ClientSampled :

BE5Y3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	8.7	3.6	5.4

Manual Integrations
APPROVED

Sohil
3/1/2018 5:14:37 PM



#86

Benzo(k)fluoranthene

Concen: 7.910 ng/ul m

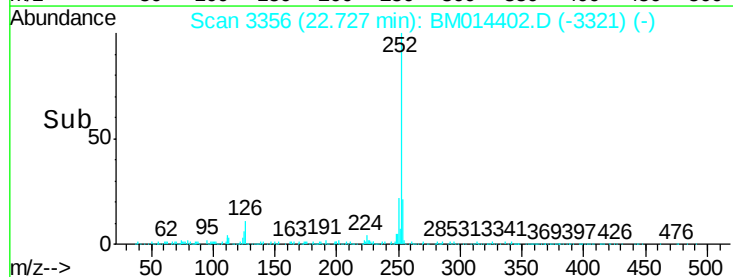
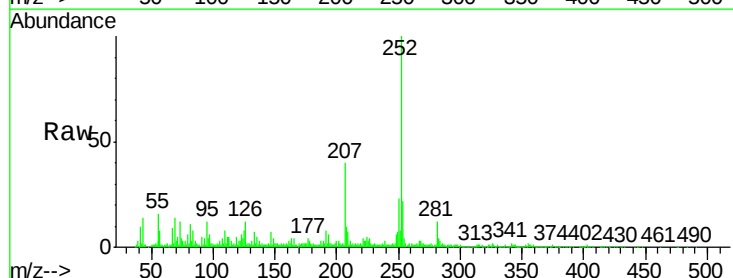
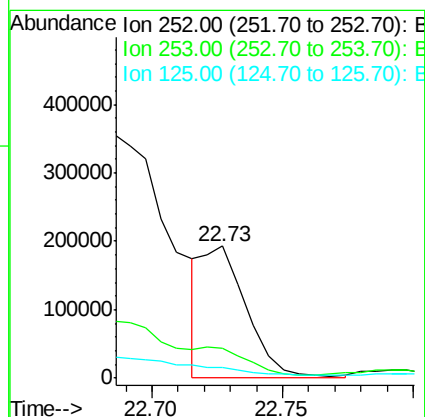
RT: 22.73 min Scan# 3356

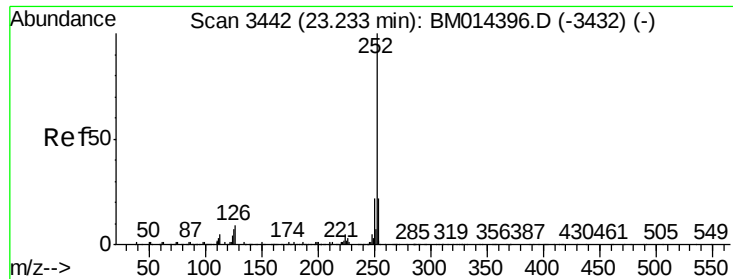
Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	8.3	3.4	5.2





#88

Benzo(a)pyrene

Concen: 19.545 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

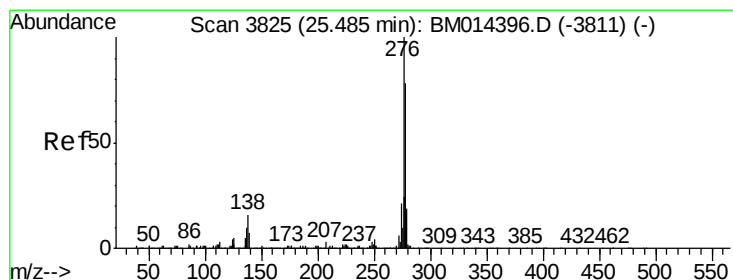
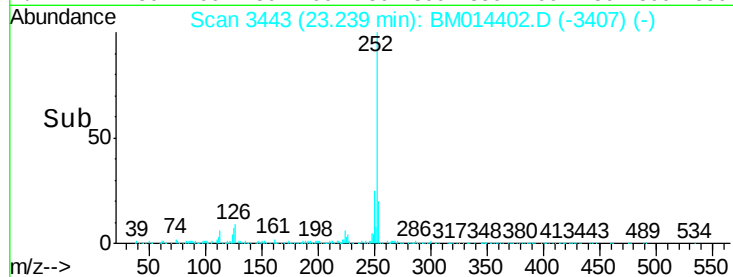
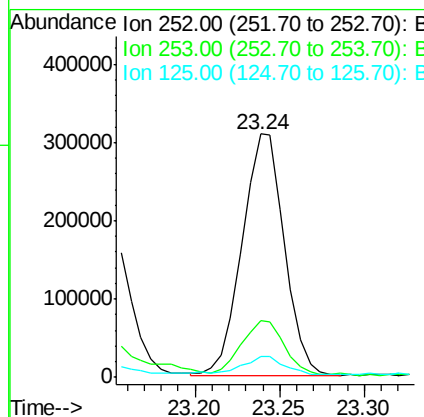
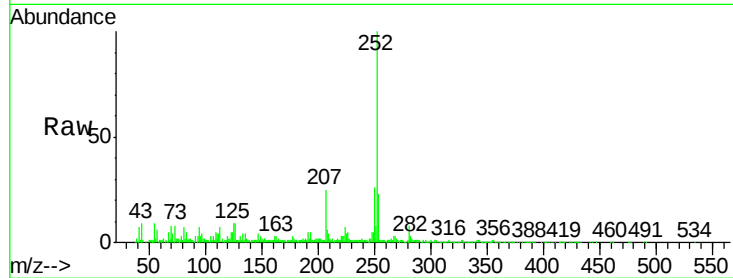
ClientSampled :

BE5Y3

Tot Ion:	252	Resp:	532729
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	8.6	4.0	6.0#

Manual Integrations
APPROVED

Sohil
3/1/2018 5:14:37 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 13.694 ng/ul

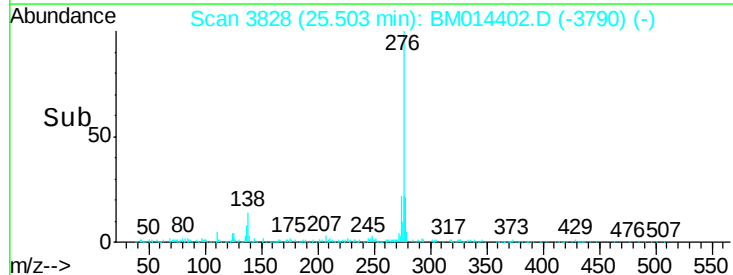
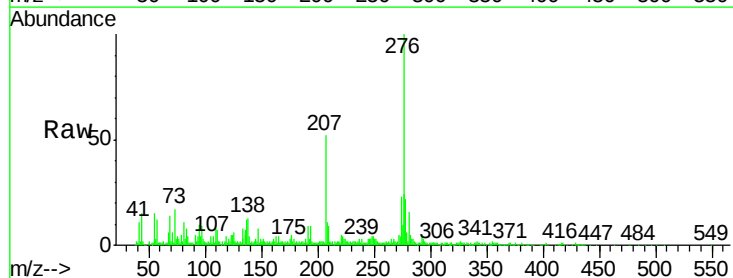
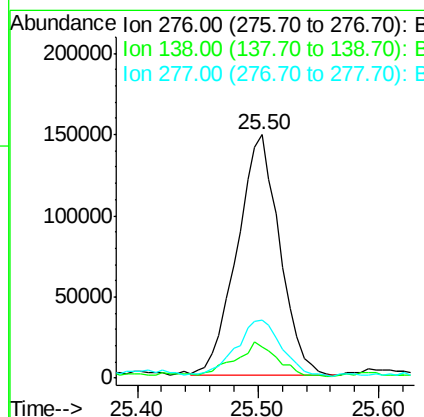
RT: 25.50 min Scan# 3828

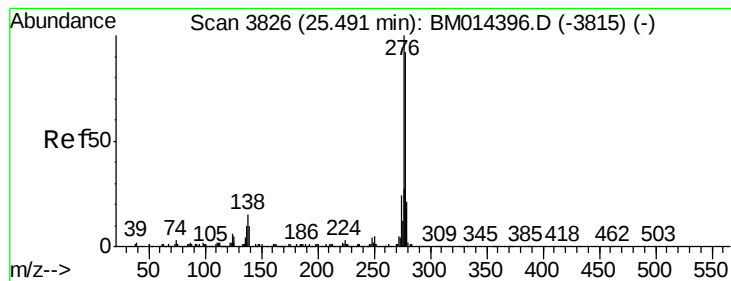
Delta R.T. 0.02 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Tgt Ion:	276	Resp:	362200
Ion Ratio	Lower	Upper	
276	100		
138	12.8	9.3	13.9
277	23.6	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.603 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

Instrument :

BNA_M

ClientSampleId :

BE5Y3

Tot Ion:278 Resp: 101169

Ion Ratio Lower Upper

278 100

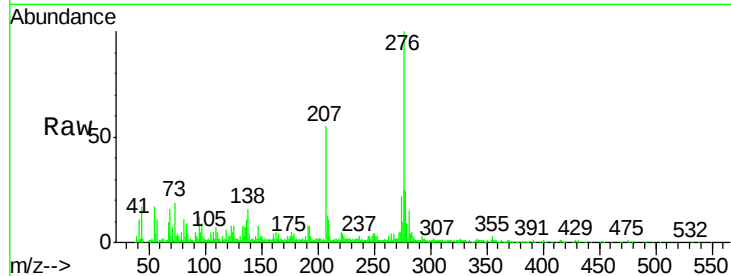
139 16.5 5.8 8.8#

279 39.2 18.6 27.8#

Manual Integrations
APPROVED

Sohil

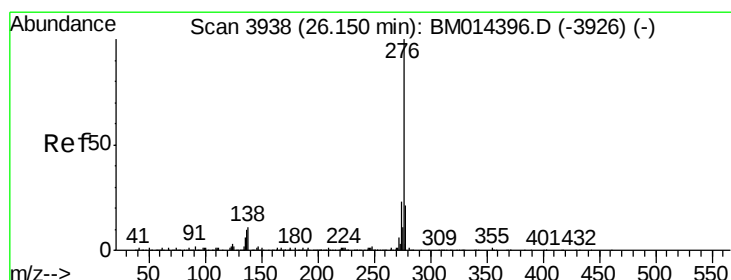
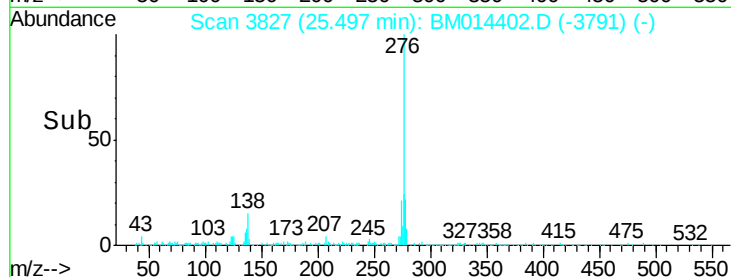
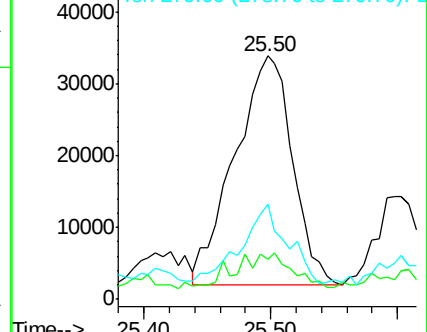
3/1/2018 5:14:37 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 12.639 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.02 min

Lab File: BM014402.D

Acq: 28 Feb 2018 14:00

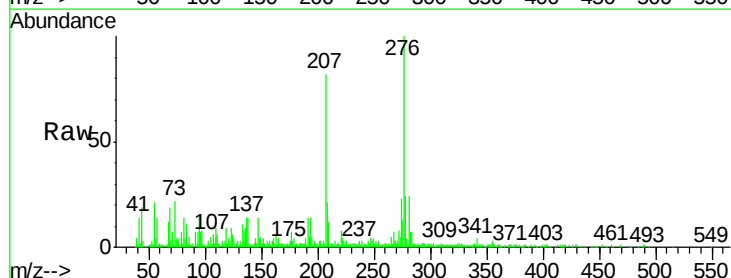
Tgt Ion:276 Resp: 270807

Ion Ratio Lower Upper

276 100

138 13.8 8.5 12.7#

277 23.9 18.6 28.0



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

