

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121117\
 Data File : BM013324.D
 Acq On : 12 Dec 2017 03:08
 Operator : SJ/JU
 Sample : I6758-10 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9B11

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:57:25 PM

Quant Time: Dec 12 04:56:22 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 12 02:07:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	294678	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1305206	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	751955	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1625910	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1531984	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1248676	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	1912	0.32	ng/uL	0.00
5) Phenol-d5	6.87	99	39911	1.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	27404	1.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	34329	1.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	37305	1.71	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	18344	1.77	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	18783	1.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	36304	1.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	61218m	2.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	137323	2.05	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	158525	1.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	12189	1.05	ng/ul	0.01
57) Fluorene-d10	15.33	176	113690	1.98	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	11346	1.11	ng/ul	0.00
70) Anthracene-d10	17.17	188	175910	2.16	ng/ul	0.00
76) Pyrene-d10	19.47	212	173148	2.27	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	120896	1.90	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	14.05	152	315672	4.131	ng/ul#	93
49) Acenaphthene	14.40	153	1897422	36.450	ng/ul	98
53) Dibenzofuran	14.73	168	1748774	22.756	ng/ul	98
58) Fluorene	15.39	166	2368562	37.257	ng/ul	99
69) Phenanthrene	17.12	178	1605882	17.385	ng/ul	99
71) Anthracene	17.21	178	2182352	23.114	ng/ul	99
72) Carbazole	17.49	167	110849	1.365	ng/ul#	92
74) Fluoranthene	19.14	202	8859287	78.263	ng/ul#	90
77) Pvrene	19.51	202	6689819	71.878	ng/ul#	92
80) Benzo(a)anthracene	21.26	228	2356223	24.241	ng/ul	97
82) Chrysene	21.30	228	2389424	26.497	ng/ul	98
85) Benzo(b)fluoranthene	22.83	252	1988808	23.627	ng/ul#	98
86) Benzo(k)fluoranthene	22.87	252	706918m	8.924	ng/ul	
88) Benzo(a)pyrene	23.40	252	1185466	15.678	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.73	276	577076	7.692	ng/ul	96
90) Dibenzo(a,h)anthracene	25.73	278	170116	2.663	ng/ul#	92
91) Benzo(g,h,i)perylene	26.41	276	427139	7.218	ng/ul#	95

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

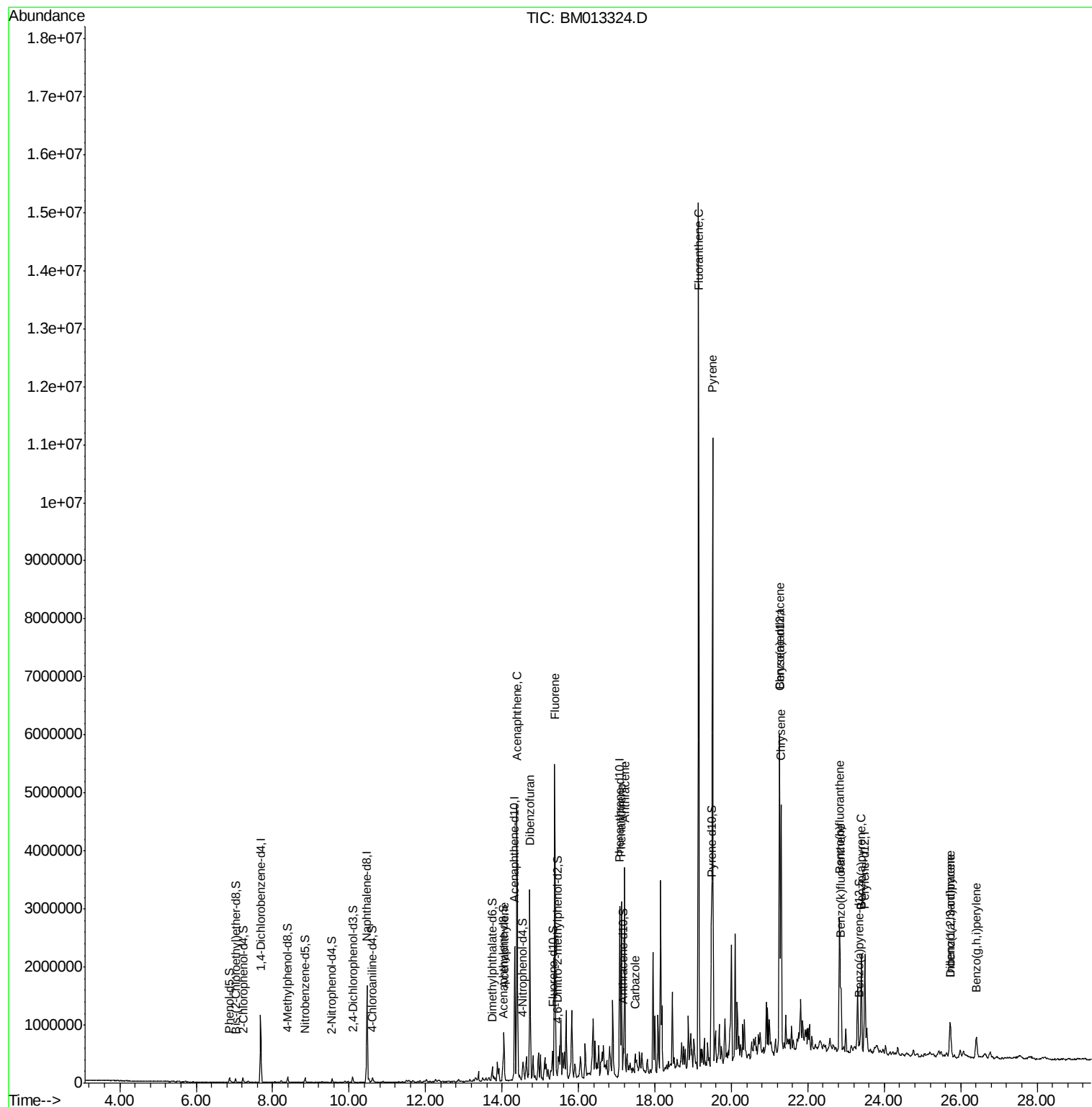
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121117\
Data File : BM013324.D
Acq On : 12 Dec 2017 03:08
Operator : SJ/JU
Sample : I6758-10 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

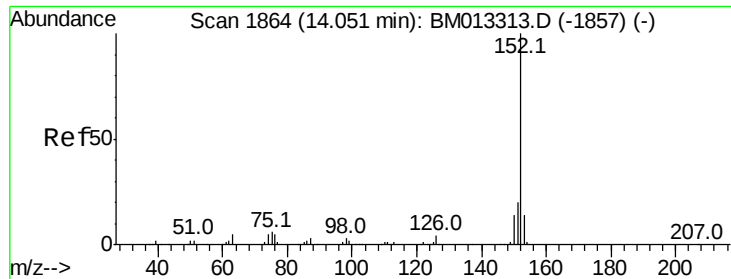
Instrument :
BNA_M
ClientSampleId :
F9B11

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM

Quant Time: Dec 12 04:56:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 12 02:07:09 2017
Response via : Initial Calibration





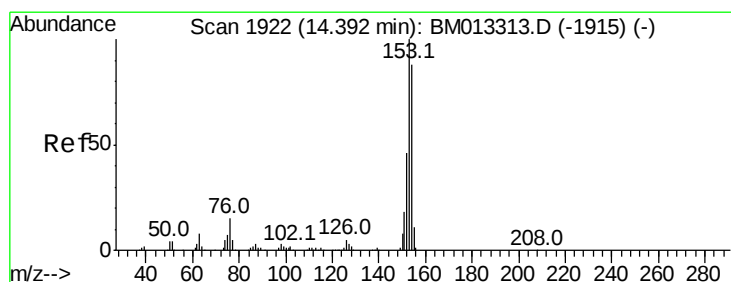
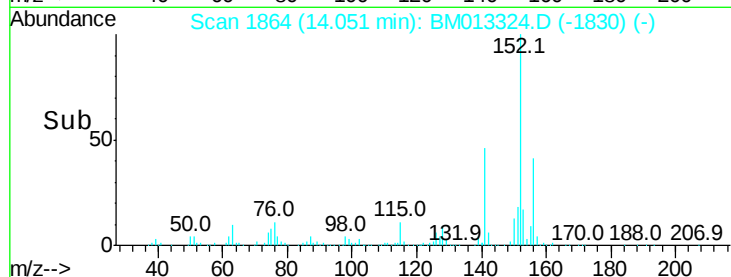
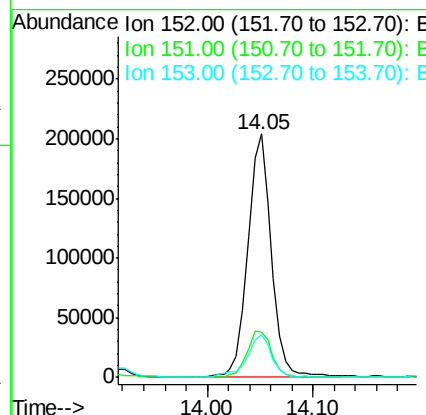
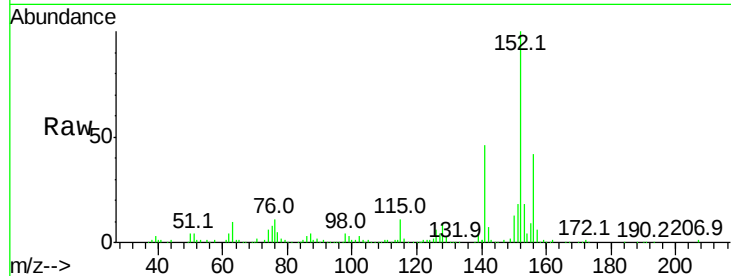
#47
Acenaphthylene
Concen: 4.131 ng/ul
RT: 14.05 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Instrument :
BNA_M
ClientSampleId :
F9B11

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.4	16.3	24.5
153	17.8	10.2	15.4

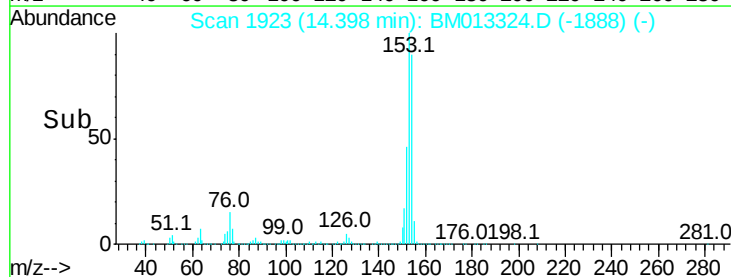
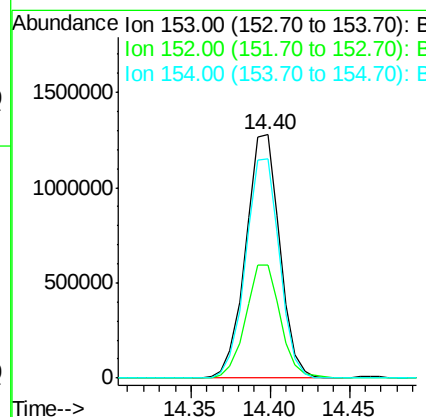
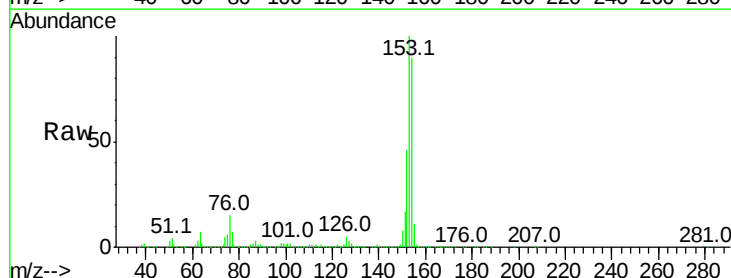
Manual Integrations
APPROVED

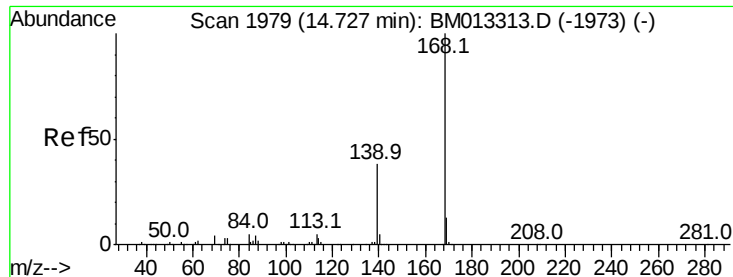
Sohil
12/12/2017 3:57:25 PM



#49
Acenaphthene
Concen: 36.450 ng/ul
RT: 14.40 min Scan# 1923
Delta R.T. 0.01 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.5	37.6	56.4
154	89.9	70.4	105.6





#53

Dibenzofuran

Concen: 22.756 ng/ul

RT: 14.73 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:168 Resp: 1748774

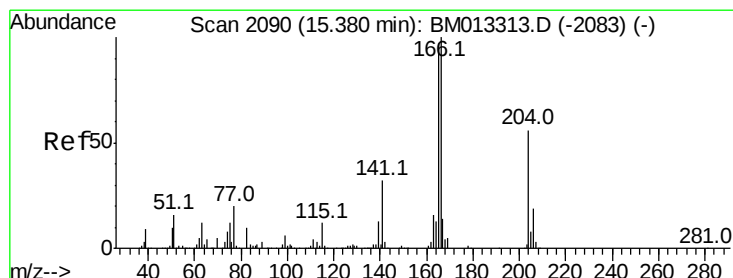
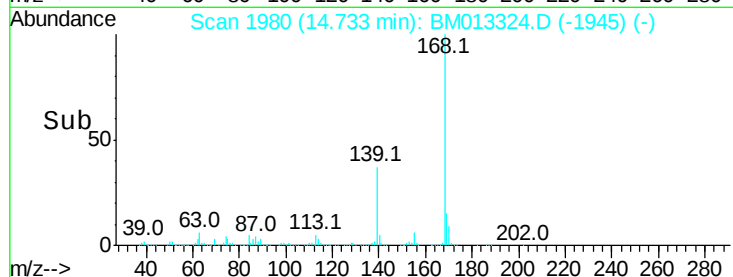
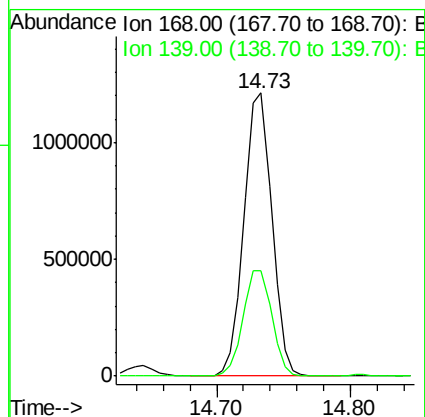
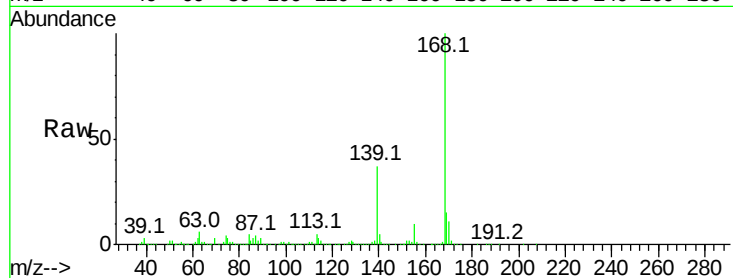
Ion Ratio Lower Upper

168 100

139 37.1 30.8 46.2

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM



#58

Fluorene

Concen: 37.257 ng/ul

RT: 15.39 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

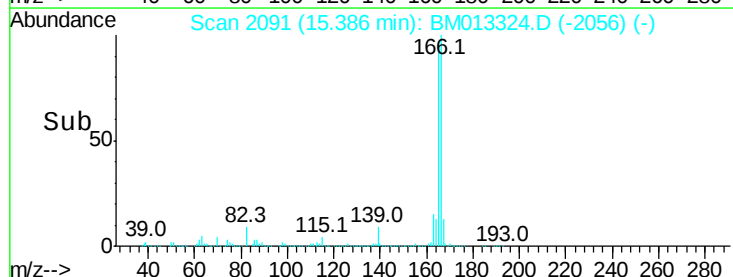
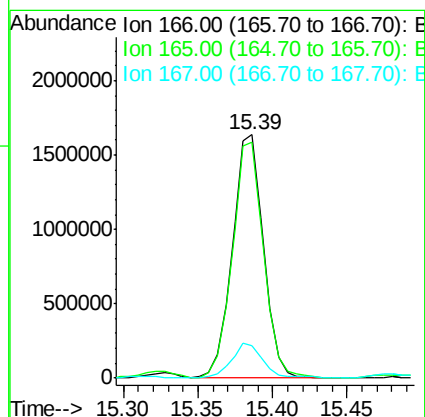
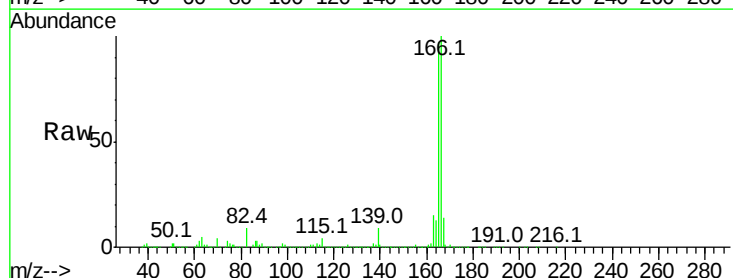
Tgt Ion:166 Resp: 2368562

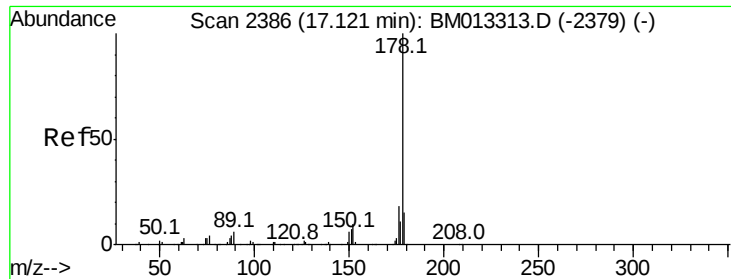
Ion Ratio Lower Upper

166 100

165 96.9 77.9 116.9

167 13.5 10.6 16.0





#69

Phenanthrene

Concen: 17.385 ng/ul

RT: 17.12 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:178 Resp: 1605882

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

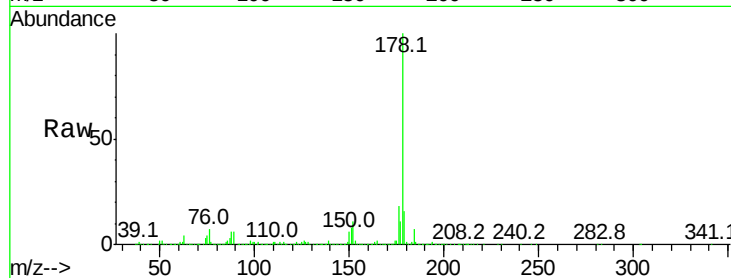
176 18.2 14.9 22.3

Manual Integrations

APPROVED

Sohil

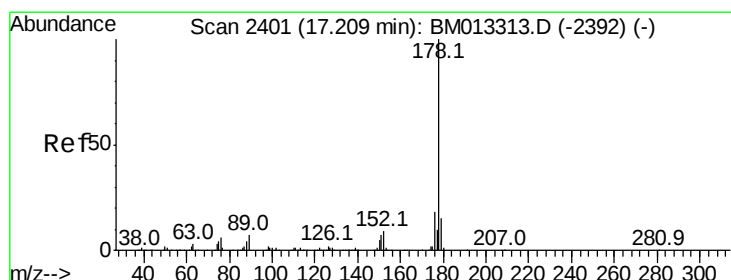
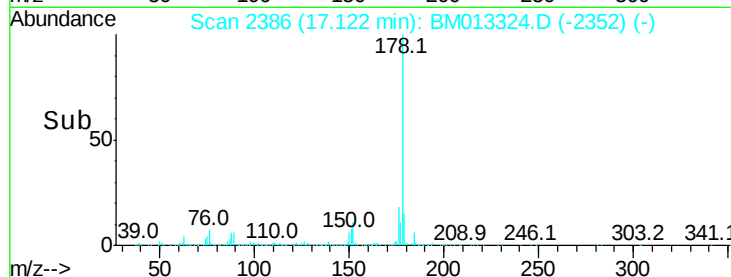
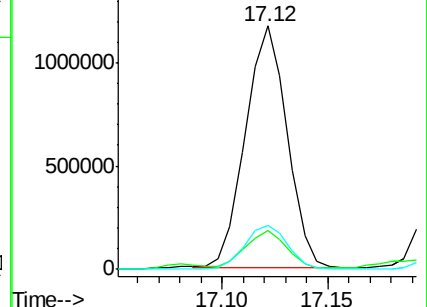
12/12/2017 3:57:25 PM



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: 23.114 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

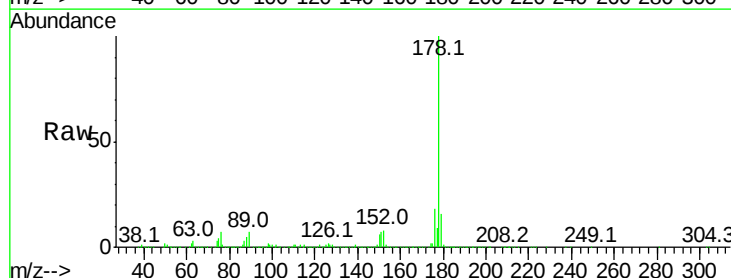
Tgt Ion:178 Resp: 2182352

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

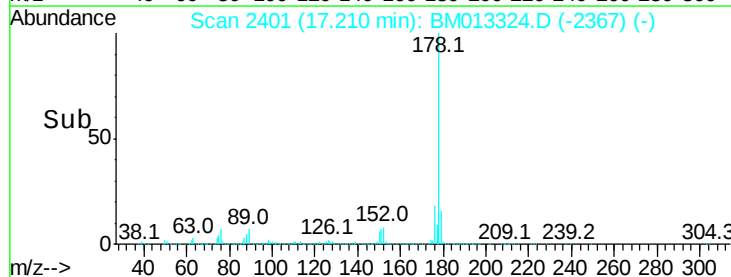
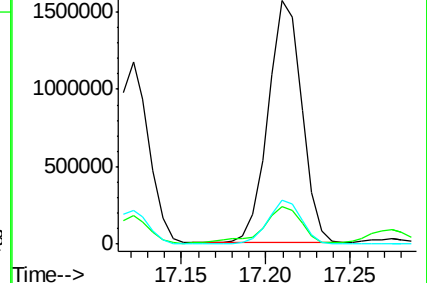
176 17.9 14.6 21.8

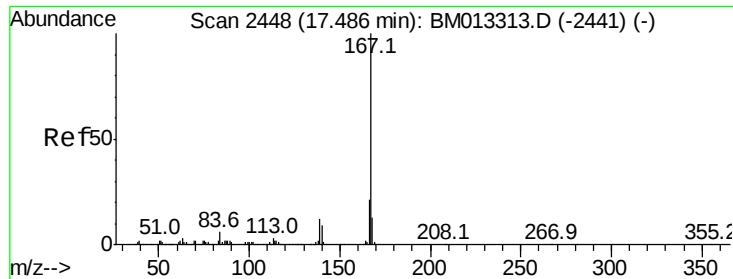


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.365 ng/ul

RT: 17.49 min Scan# 2448

Delta R.T. -0.00 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

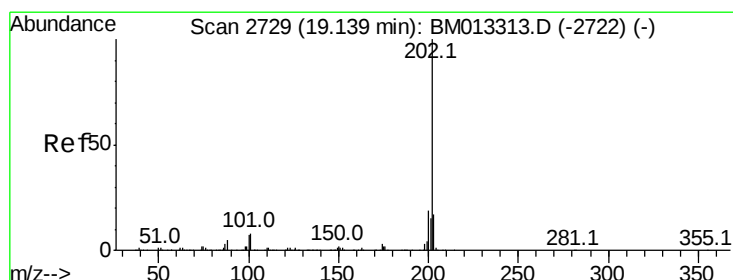
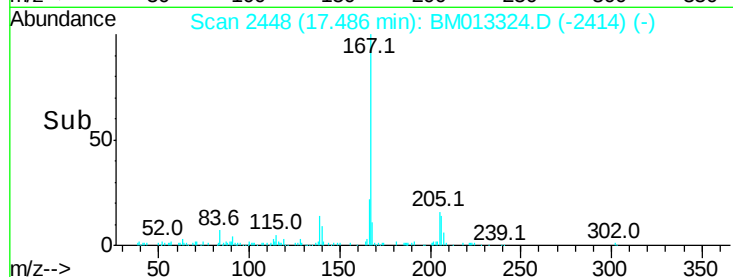
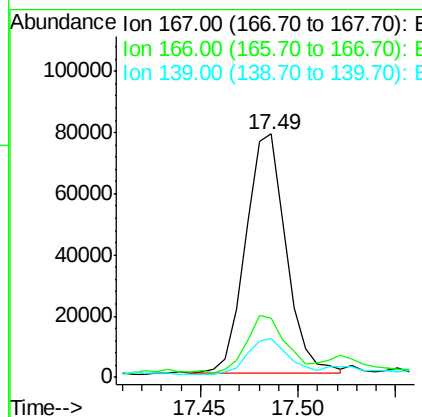
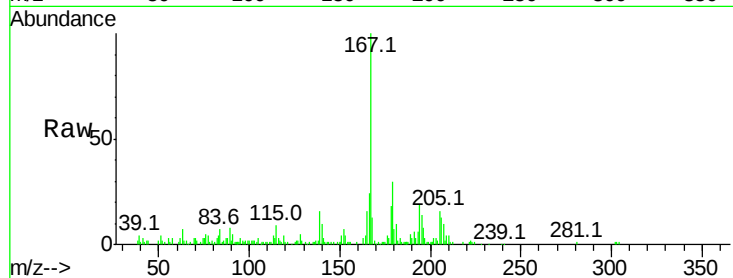
ClientSampleId :

F9B11

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.5	17.1	25.7
139	16.2	10.0	15.0#

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM



#74

Fluoranthene

Concen: 78.263 ng/ul

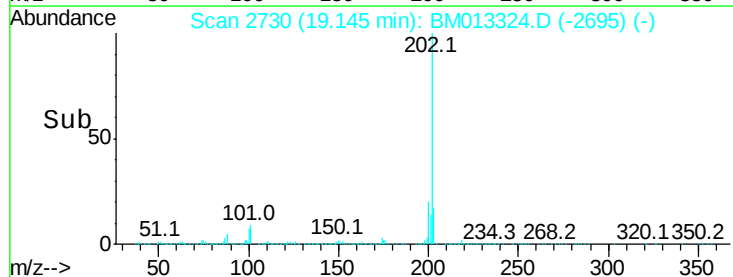
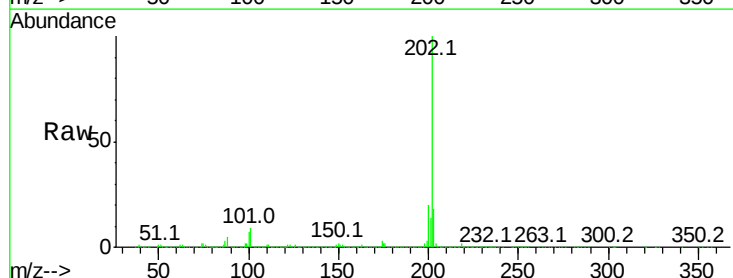
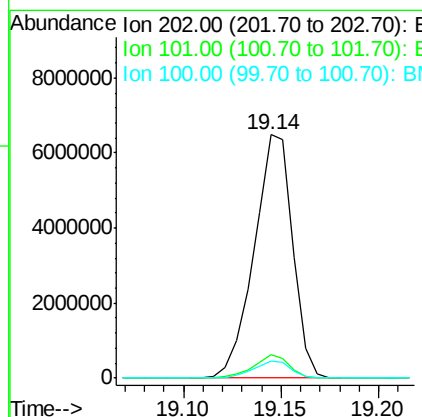
RT: 19.14 min Scan# 2730

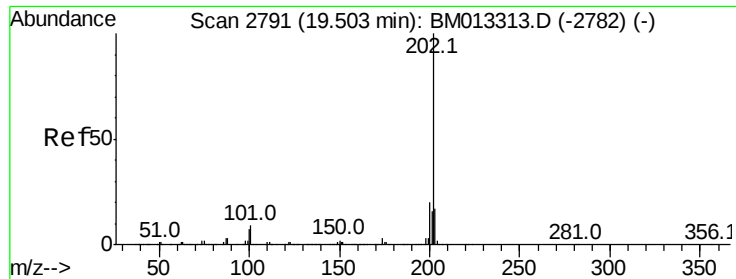
Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	4.6	7.0#
100	7.1	3.4	5.2#





#77

Pvrene

Concen: 71.878 ng/ul

RT: 19.51 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

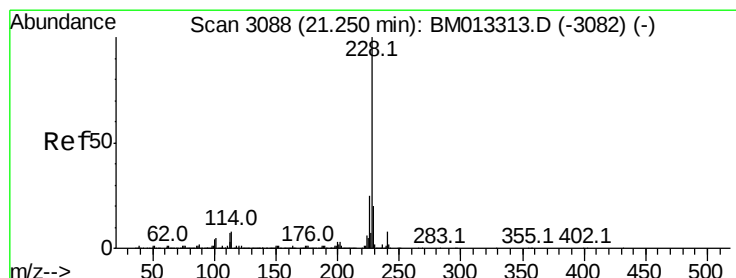
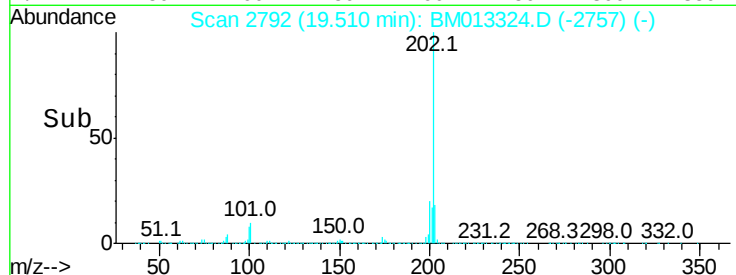
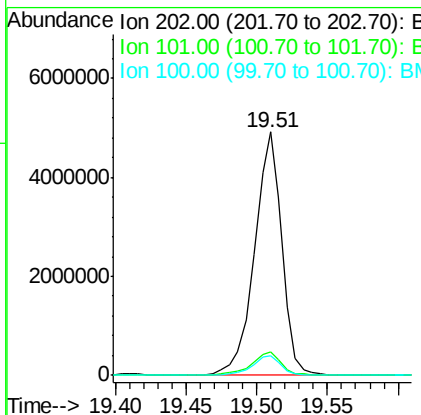
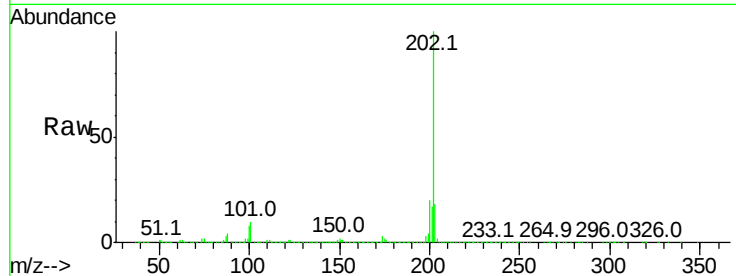
ClientSampleId :

F9B11

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.1	7.7#
100	8.0	4.9	7.3#

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM



#80

Benzo(a)anthracene

Concen: 24.241 ng/ul

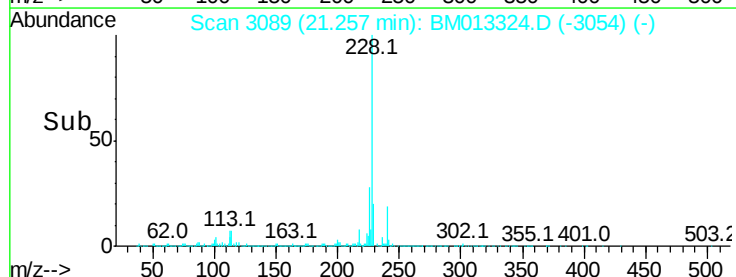
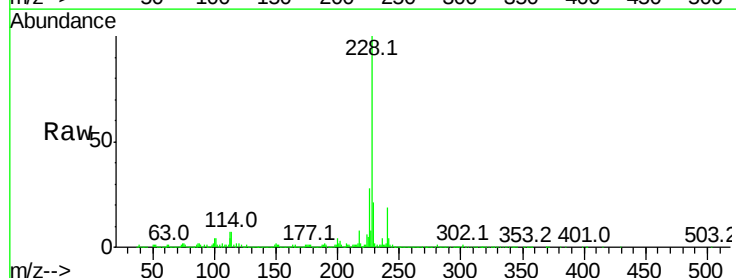
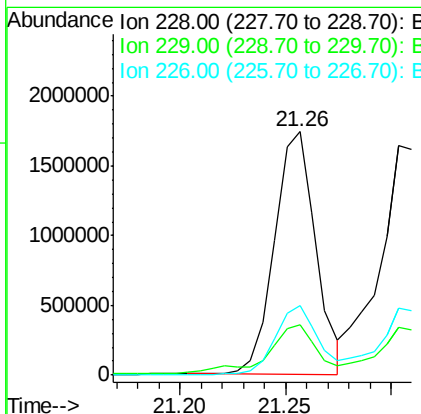
RT: 21.26 min Scan# 3089

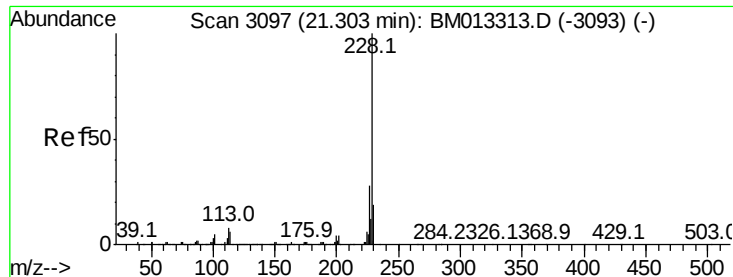
Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	28.3	21.4	32.0





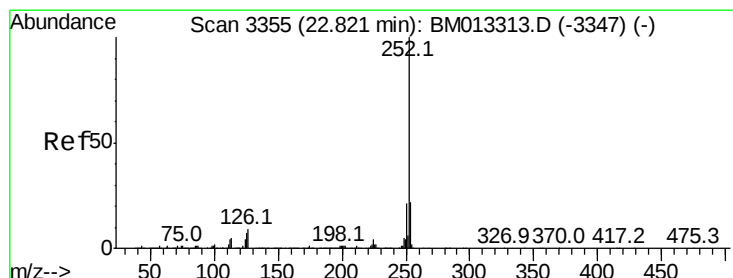
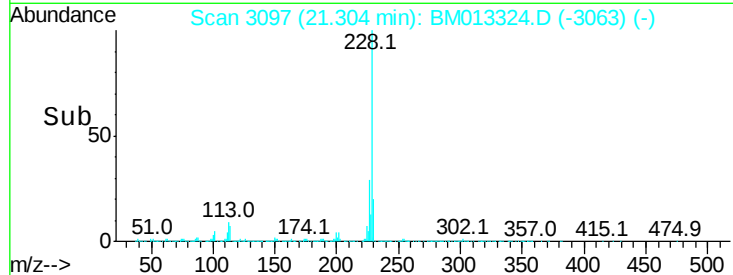
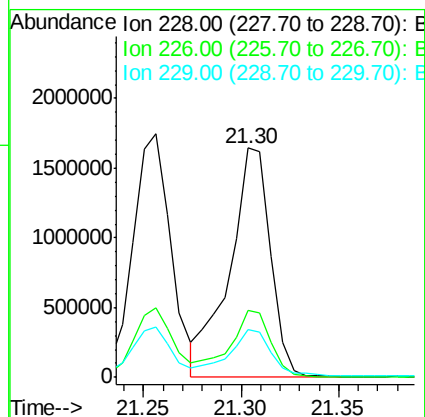
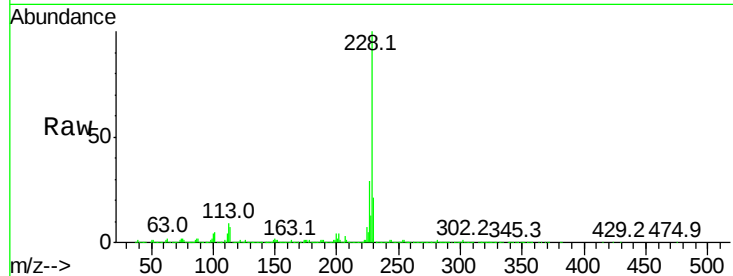
#82
Chrysene
Concen: 26.497 ng/ul
RT: 21.30 min Scan# 3097
Delta R.T. -0.00 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Instrument :
BNA_M
ClientSampleId :
F9B11

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.4	35.2
229	21.0	15.5	23.3

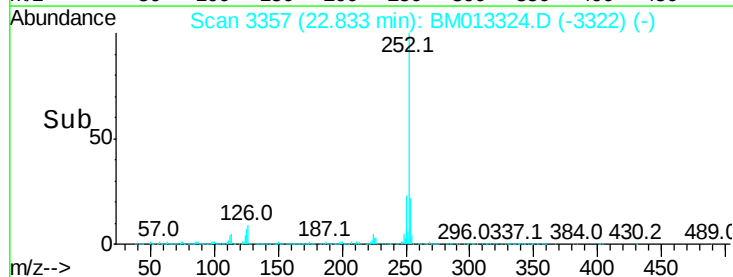
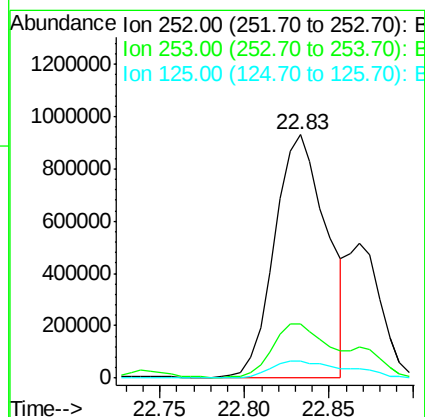
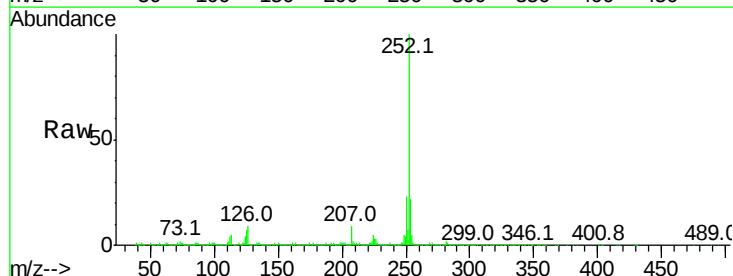
Manual Integrations
APPROVED

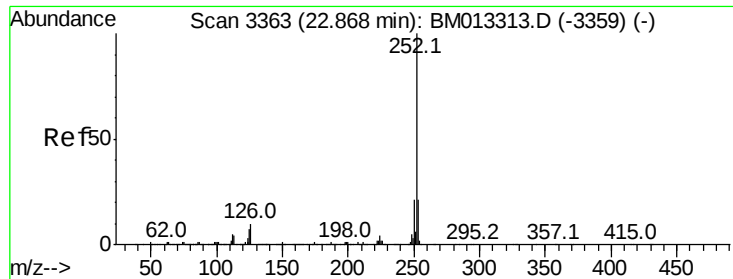
Sohil
12/12/2017 3:57:25 PM



#85
Benzo(b)fluoranthene
Concen: 23.627 ng/ul
RT: 22.83 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	7.1	3.6	5.4





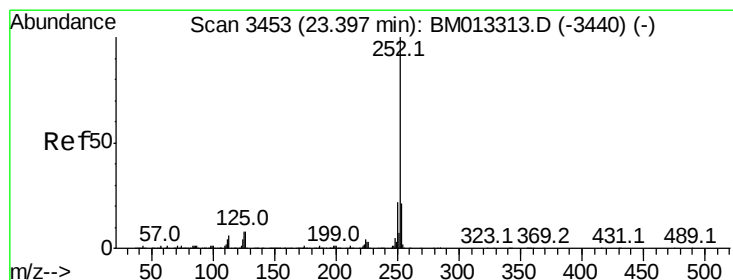
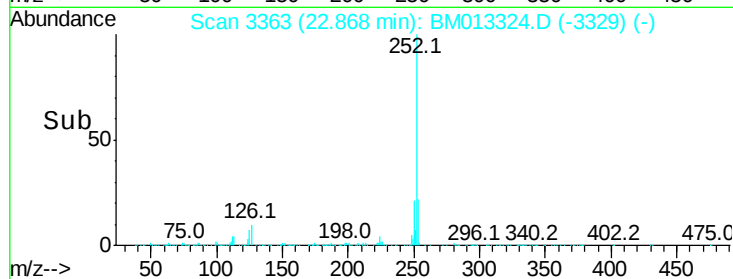
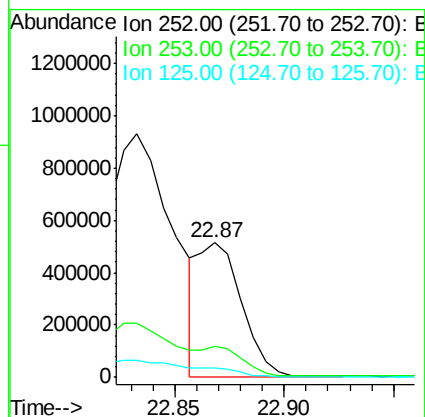
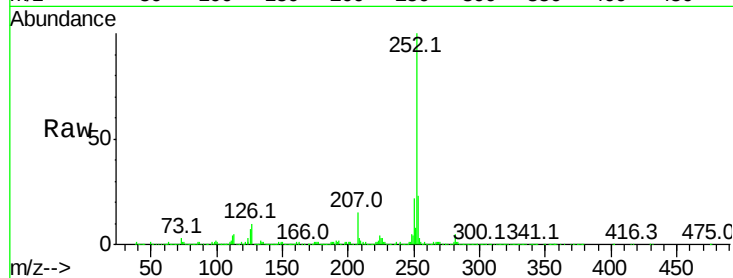
#86
Benzo(k)fluoranthene
Concen: 8.924 ng/ul m
RT: 22.87 min Scan# 3363
Delta R.T. -0.00 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Instrument :
BNA_M
ClientSampleId :
F9B11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	6.9	3.4	5.2

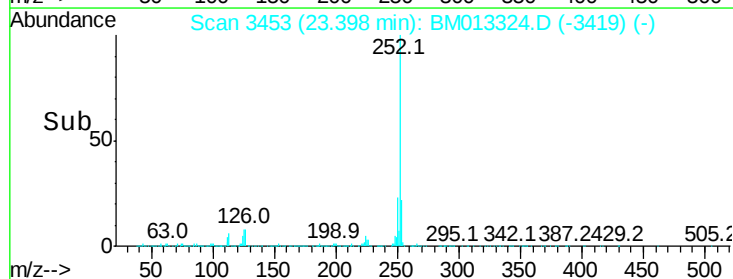
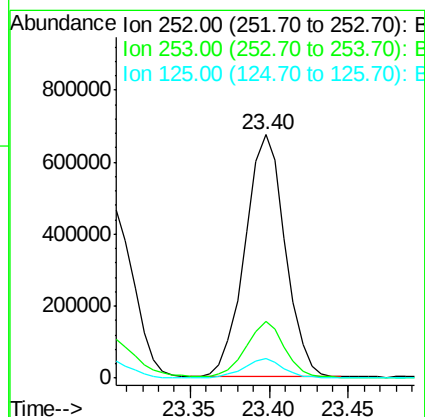
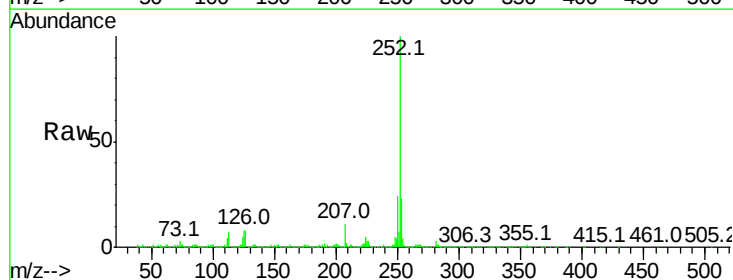
Manual Integrations
APPROVED

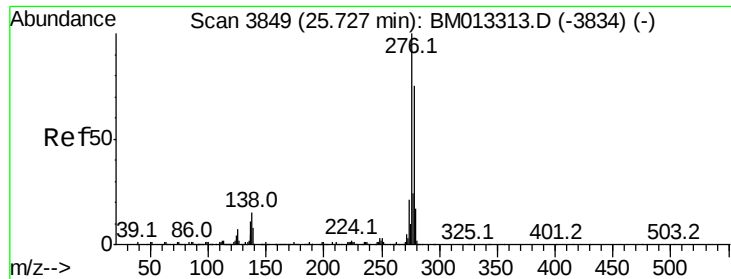
Sohil
12/12/2017 3:57:25 PM



#88
Benzo(a)pyrene
Concen: 15.678 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BM013324.D
Acq: 12 Dec 2017 03:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	7.9	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 7.692 ng/ul

RT: 25.73 min Scan# 3849

Delta R.T. 0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

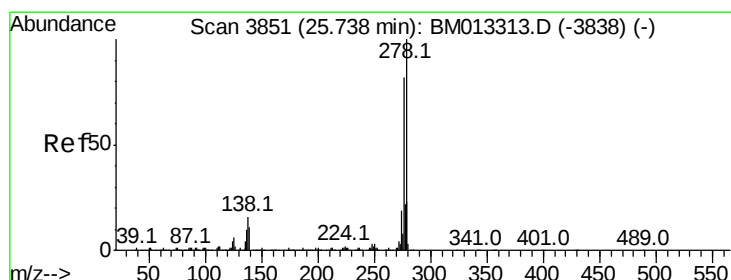
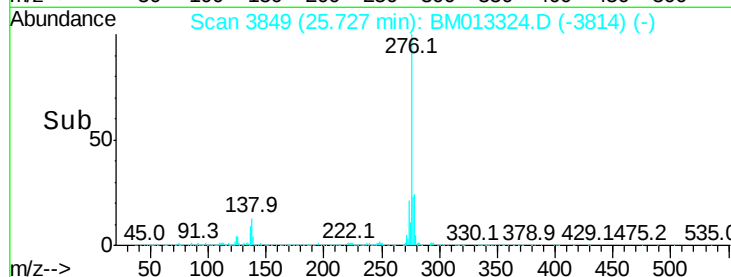
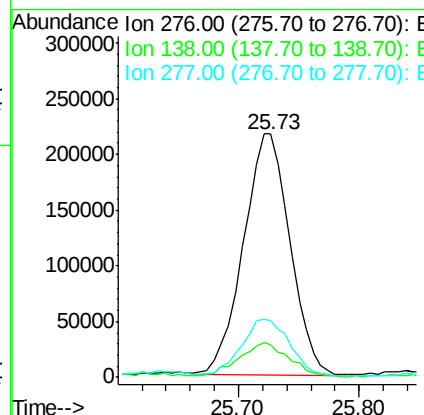
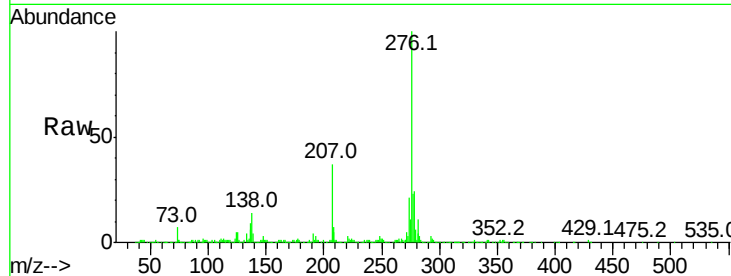
ClientSampled :

F9B11

Tot Ion:	276	Resp:	577076
Ion Ratio	Lower	Upper	
276	100		
138	13.6	9.3	13.9
277	23.5	19.9	29.9

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.663 ng/ul

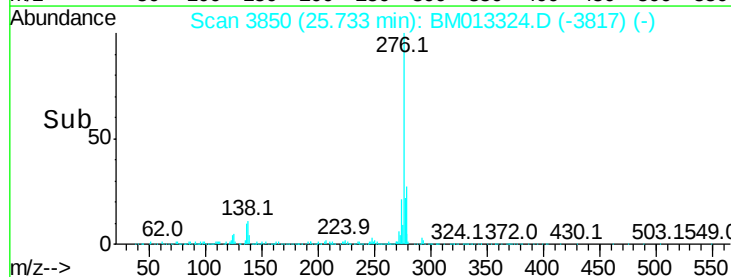
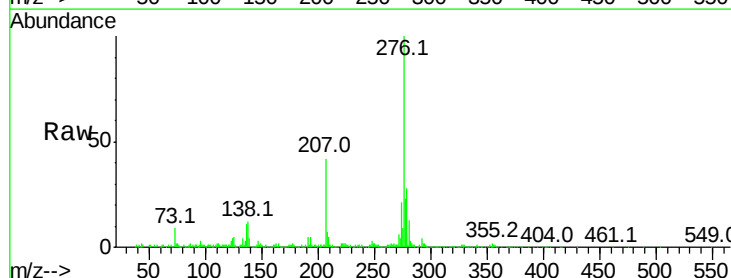
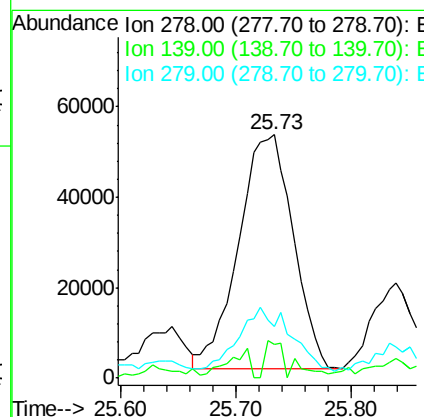
RT: 25.73 min Scan# 3850

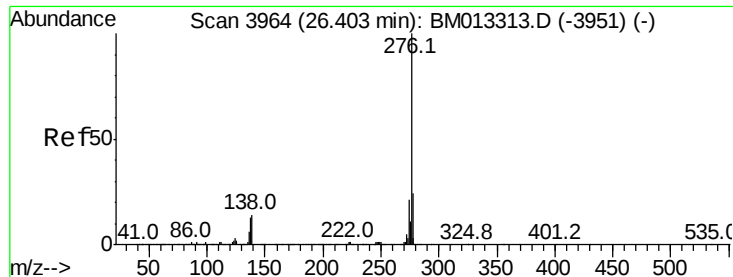
Delta R.T. -0.01 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Tgt Ion:	278	Resp:	170116
Ion Ratio	Lower	Upper	
278	100		
139	13.7	5.8	8.8#
279	21.1	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 7.218 ng/ul

RT: 26.41 min Scan# 3965

Delta R.T. -0.00 min

Lab File: BM013324.D

Acq: 12 Dec 2017 03:08

Instrument :

BNA_M

ClientSampleId :

F9B11

Tot Ion:	276	Resp:	427139
Ion Ratio	Lower	Upper	
276	100		
138	16.0	8.5	12.7#
277	23.9	18.6	28.0

Manual Integrations
APPROVED

Sohil
12/12/2017 3:57:25 PM

