

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
 Data File : BM011670.D
 Acq On : 22 Sep 2017 01:05
 Operator : SJ/JU
 Sample : I5283-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 CB3B2

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:06:25 PM

Quant Time: Sep 22 08:56:19 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 08:34:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	409800	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	1907879	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	1074849	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2322245	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2305951	20.00	ng/ul	0.00
86) Perylene-d12	23.86	264	1794647	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	17745	1.95	ng/uL	0.00
5) Phenol-d5	7.11	99	381715	9.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	310576	11.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	315046	10.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	293252	9.55	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	156936	10.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	164772	10.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	300984	9.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	167114	5.00	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1080269	11.89	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	1245572	11.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	94324	5.52	ng/ul	0.00
58) Fluorene-d10	15.58	176	920223	11.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	125124	9.26	ng/ul	0.00
71) Anthracene-d10	17.43	188	1485177	12.99	ng/ul	0.00
79) Pyrene-d10	19.72	212	1779825	16.48	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.71	264	1224692	14.32	ng/ul	0.00

Target Compounds

					Ovalue	
45) Dimethylphthalate	14.04	163	245726	2.824	ng/ul#	96
70) Phenanthrene	17.37	178	1077538	8.325	ng/ul	99
72) Anthracene	17.46	178	168397	1.268	ng/ul	97
77) Fluoranthene	19.38	202	1573111	11.816	ng/ul#	91
80) Pyrene	19.74	202	1489600	11.072	ng/ul#	89
83) Benzo(a)anthracene	21.48	228	699943	5.513	ng/ul	99
85) Chrysene	21.53	228	658963	5.725	ng/ul	99
88) Benzo(b)fluoranthene	23.14	252	673758	6.241	ng/ul#	92
89) Benzo(k)fluoranthene	23.19	252	239413m	2.309	ng/ul	
91) Benzo(a)pyrene	23.76	252	434676	4.265	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	26.29	276	253259	2.259	ng/ul#	89
94) Benzo(g,h,i)perylene	27.03	276	234547	2.584	ng/ul#	91

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

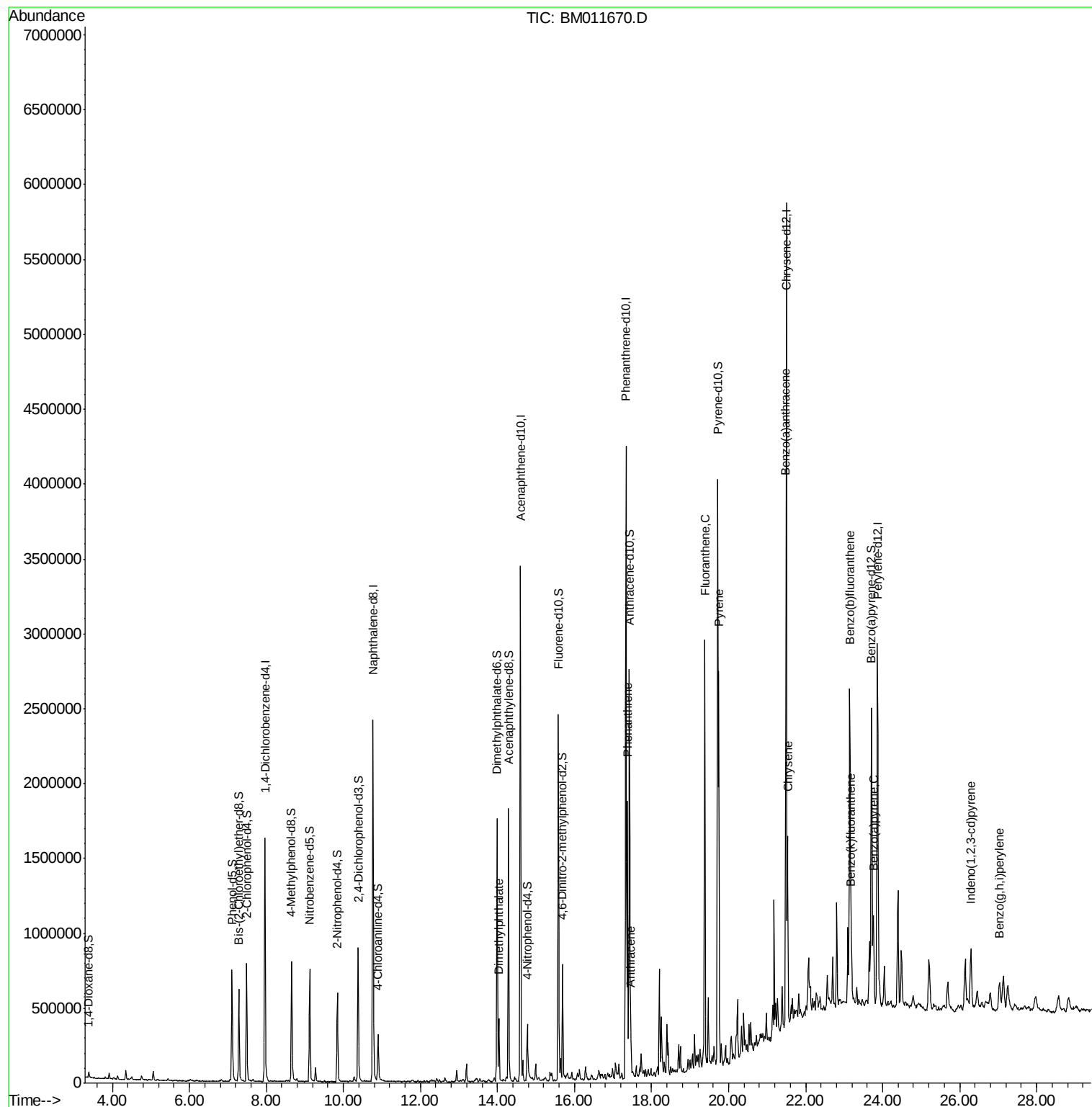
Data Path : Z:\HPCHEM1\BNA M\DATA\BM092117\
Data File : BM011670.D
Acq On : 22 Sep 2017 01:05
Operator : SJ/JU
Sample : I5283-07
Misc :
ALS Vial : 21 Sample Multiplier: 1

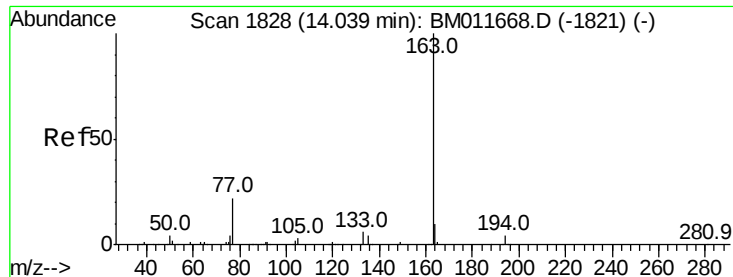
Instrument :
BNA_M
ClientSampled :
CB3B2

Manual Integrations
APPROVED

Sohil
9/22/2017 4:06:25 PM

Quant Time: Sep 22 08:56:19 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 08:34:40 2017
Response via : Initial Calibration





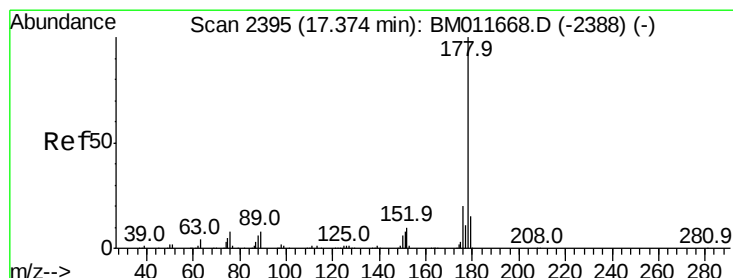
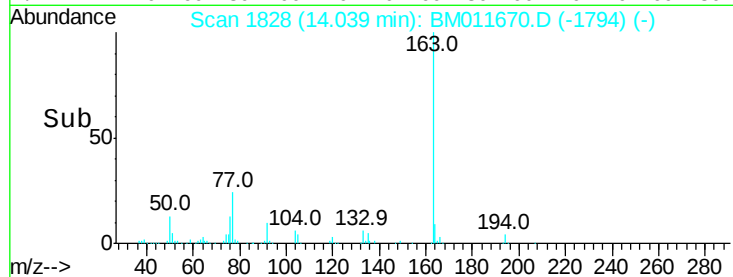
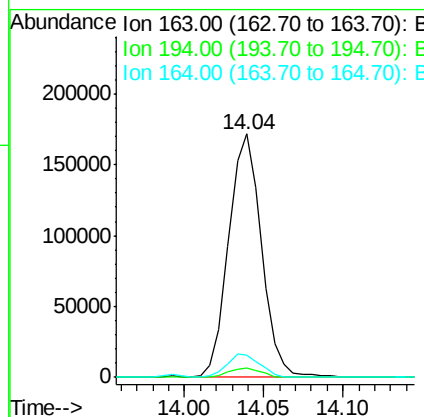
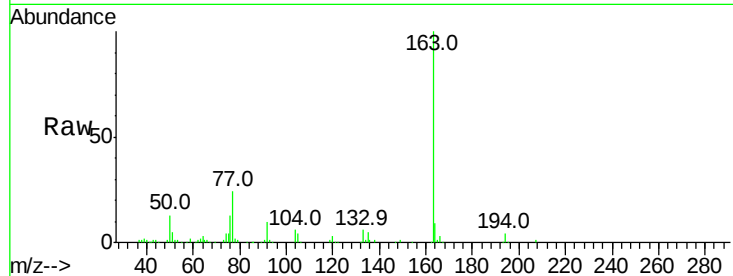
#45
Dimethylphthalate
Concen: 2.824 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Instrument :
BNA_M
ClientSampleId :
CB3B2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	245726		
194	3.6	4.0	6.0#	
164	9.1	8.4	12.6	

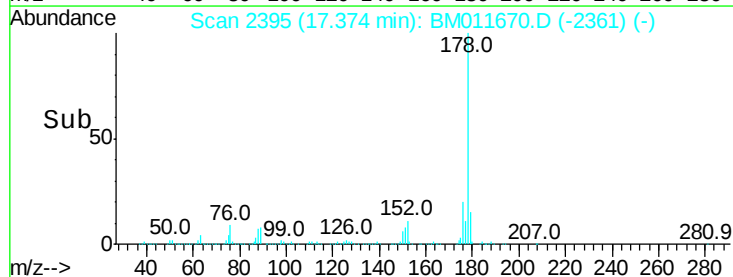
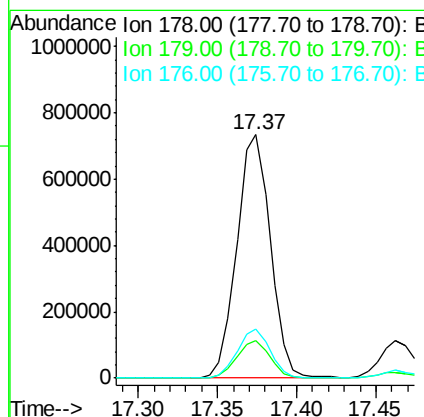
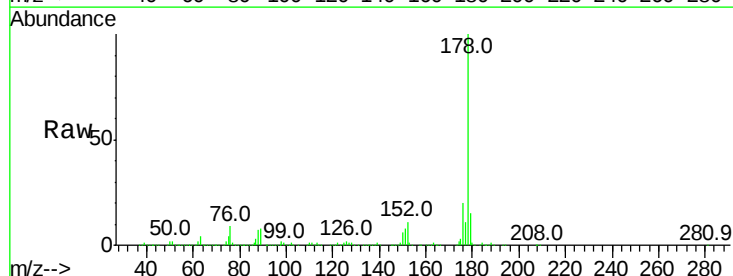
Manual Integrations
APPROVED

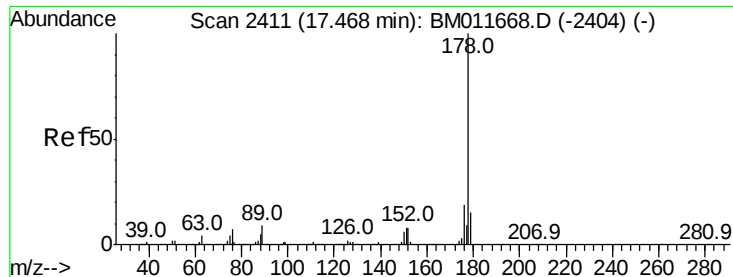
Sohil
9/22/2017 4:06:25 PM



#70
Phenanthrene
Concen: 8.325 ng/ul
RT: 17.37 min Scan# 2395
Delta R.T. 0.00 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1077538		
179	15.2	12.3	18.5	
176	19.9	15.4	23.0	





#72

Anthracene

Concen: 1.268 ng/ul

RT: 17.46 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

Instrument :

BNA_M

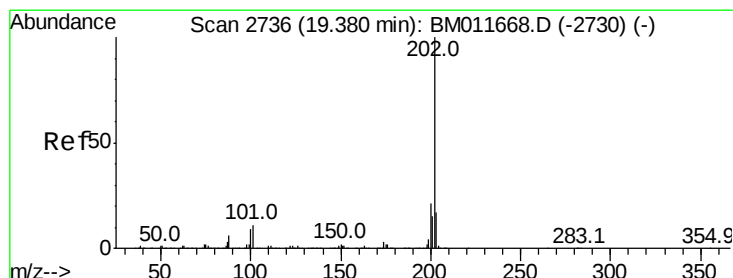
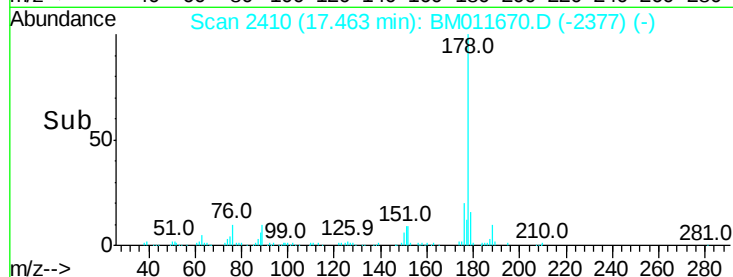
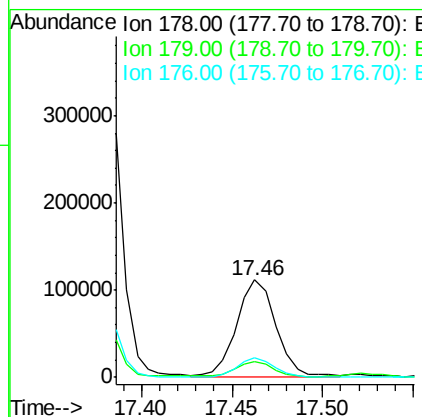
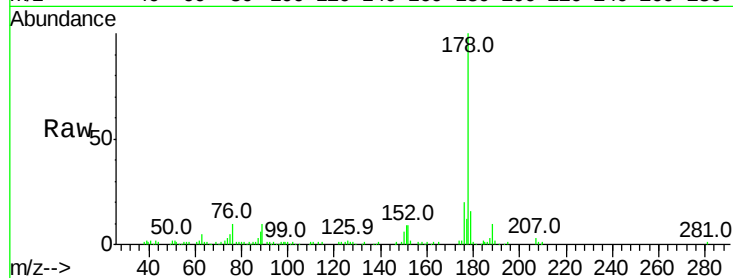
ClientSampleId :

CB3B2

Tot Ion:178	Resp: 168397
Ion Ratio	Lower Upper
178 100	
179 15.6	13.4 20.2
176 20.4	15.4 23.0

Manual Integrations
APPROVED

Sohil
9/22/2017 4:06:25 PM



#77

Fluoranthene

Concen: 11.816 ng/ul

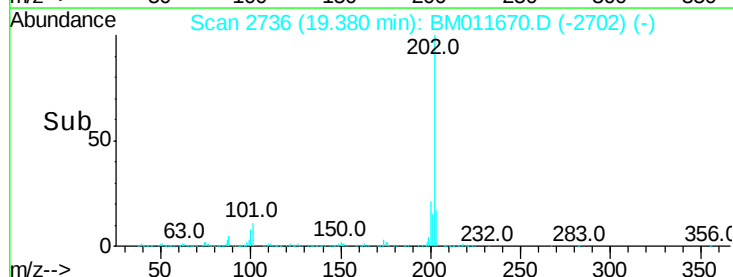
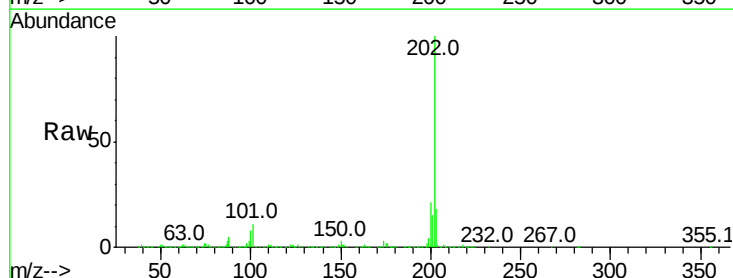
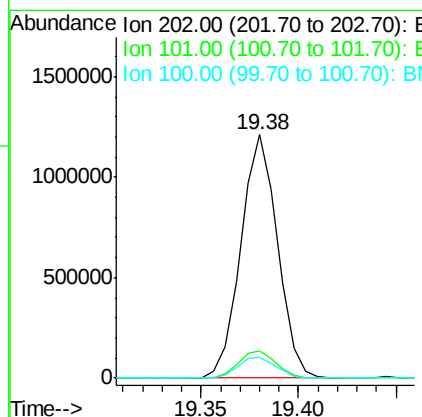
RT: 19.38 min Scan# 2736

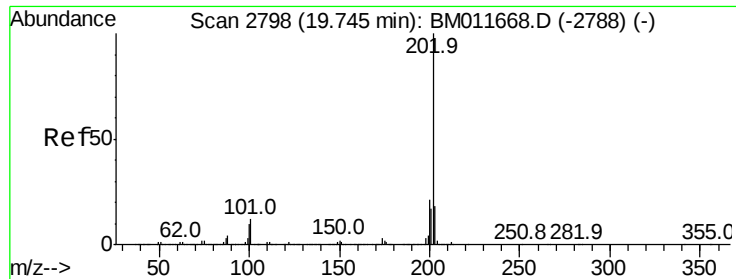
Delta R.T. 0.00 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

Tgt Ion:202	Resp: 1573111
Ion Ratio	Lower Upper
202 100	
101 11.1	6.1 9.1#
100 8.4	4.6 7.0#





#80

Pvrene

Concen: 11.072 ng/ul

RT: 19.74 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

Instrument :

BNA_M

ClientSampled :

CB3B2

Tot Ion:202 Resp: 1489600

Ion Ratio Lower Upper

202 100

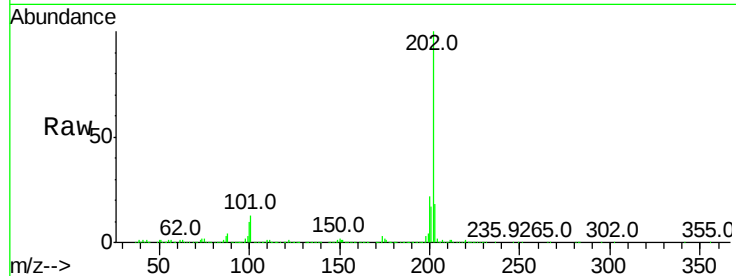
101 12.7 6.9 10.3#

100 10.5 5.6 8.4#

Manual Integrations
APPROVED

Sohil

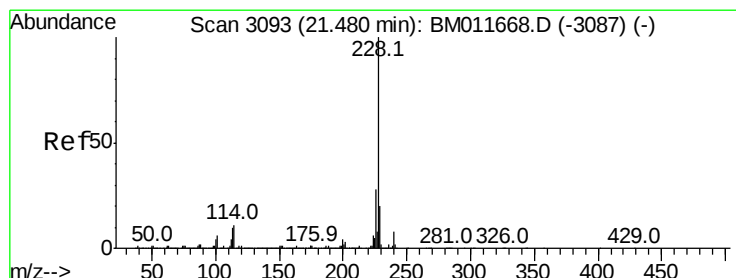
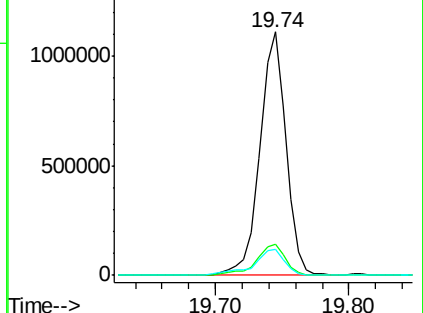
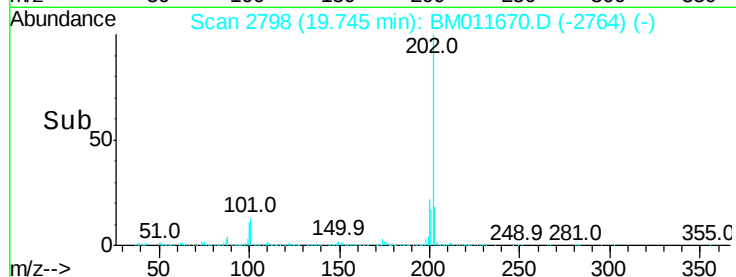
9/22/2017 4:06:25 PM



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



#83

Benzo(a)anthracene

Concen: 5.513 ng/ul

RT: 21.48 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

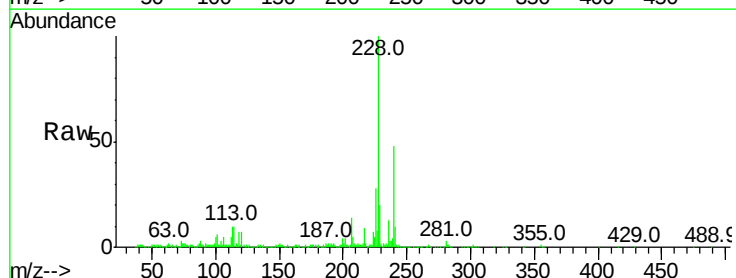
Tgt Ion:228 Resp: 699943

Ion Ratio Lower Upper

228 100

229 20.1 16.0 24.0

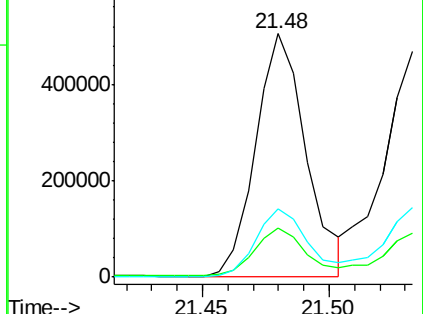
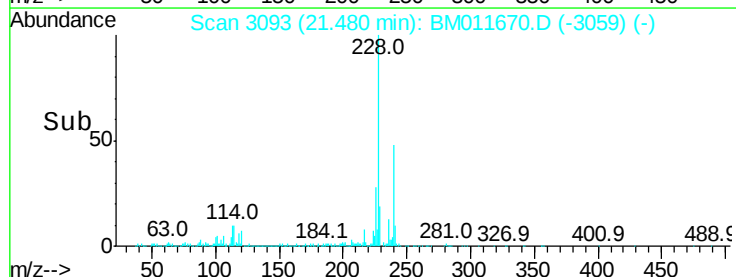
226 27.9 21.8 32.8

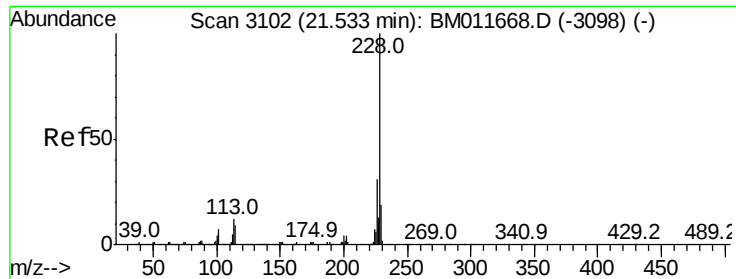


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 5.725 ng/ul

RT: 21.53 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

Instrument :

BNA_M

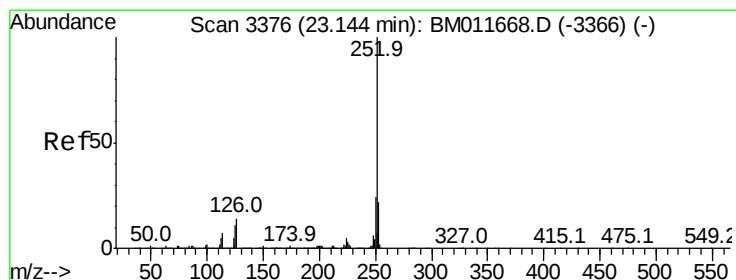
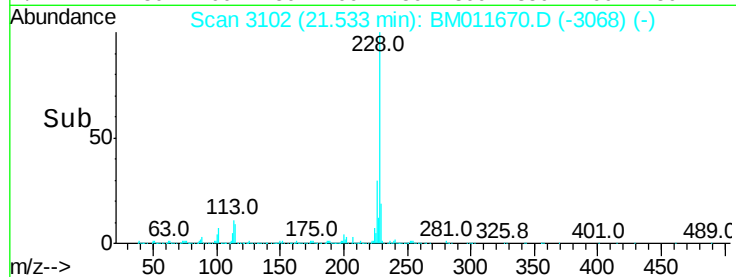
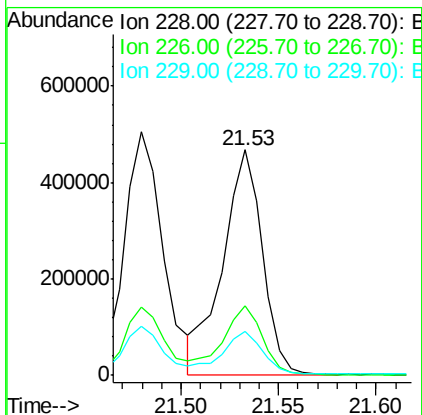
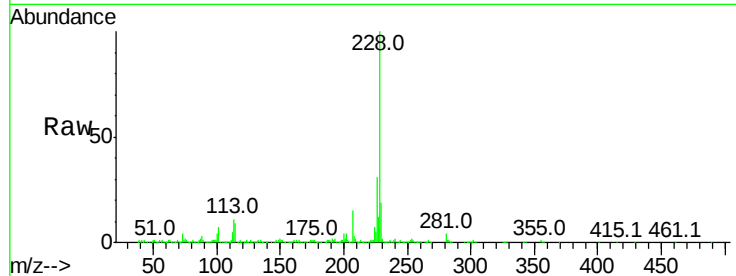
ClientSampleId :

CB3B2

Tot Ion:	228	Resp:	658963
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.1	36.1
229	19.3	16.0	24.0

Manual Integrations
APPROVED

Sohil
9/22/2017 4:06:25 PM



#88

Benzo(b)fluoranthene

Concen: 6.241 ng/ul

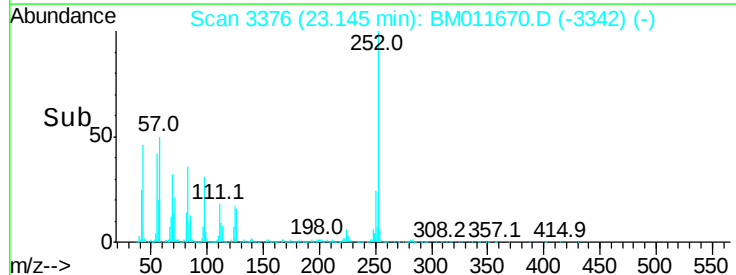
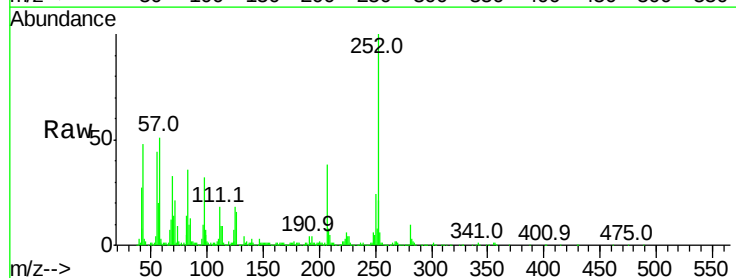
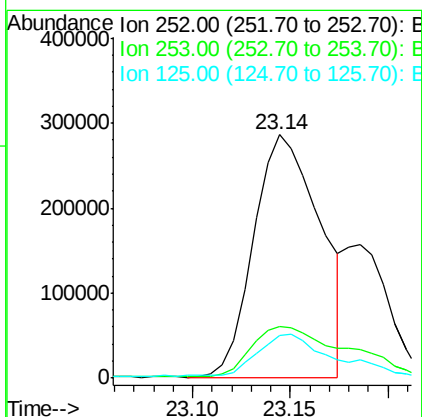
RT: 23.14 min Scan# 3376

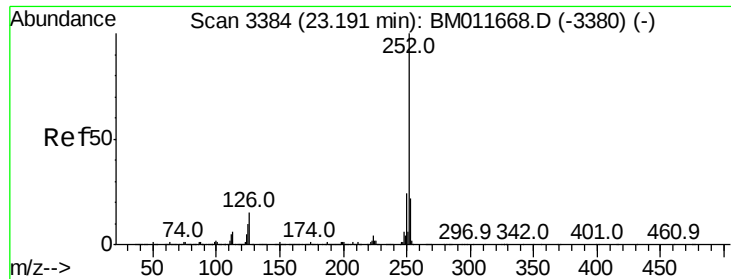
Delta R.T. 0.00 min

Lab File: BM011670.D

Acq: 22 Sep 2017 01:05

Tgt Ion:	252	Resp:	673758
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.4	26.0
125	17.8	4.9	7.3#





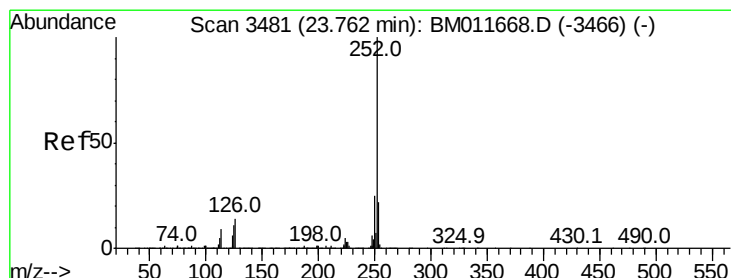
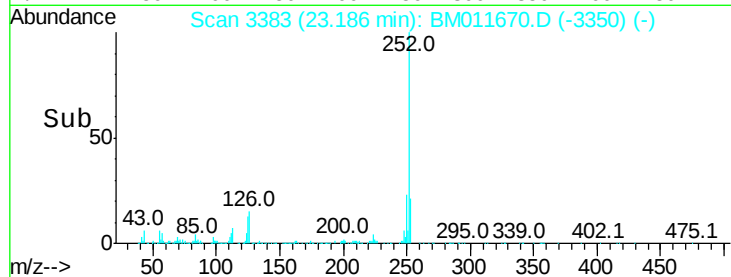
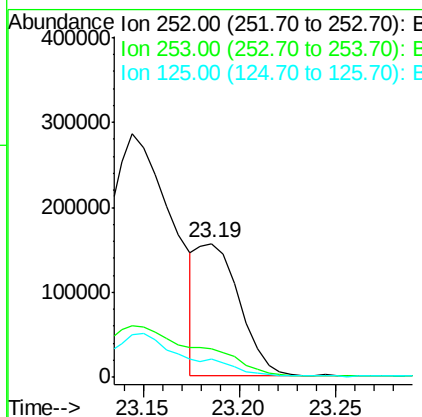
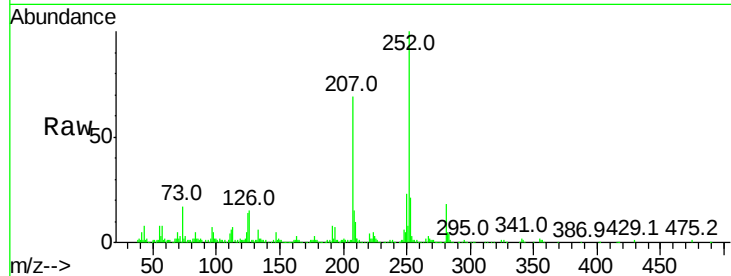
#89
Benzo(k)fluoranthene
Concen: 2.309 ng/ul m
RT: 23.19 min Scan# 3383
Delta R.T. -0.01 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Instrument :
BNA_M
ClientSampled :
CB3B2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	239413		
253	21.4	17.1	25.7	
125	13.5	5.4	8.0#	

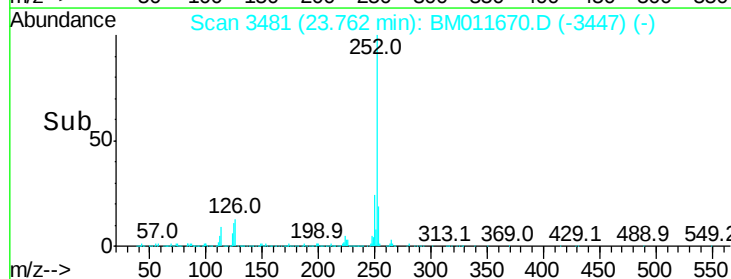
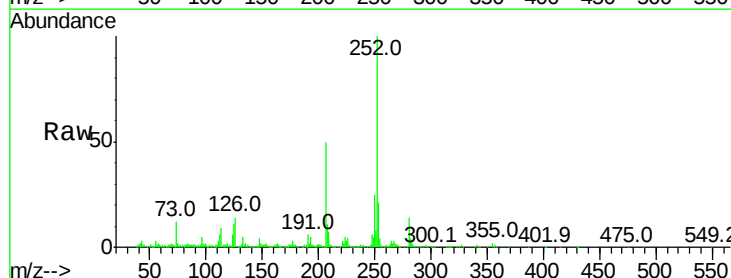
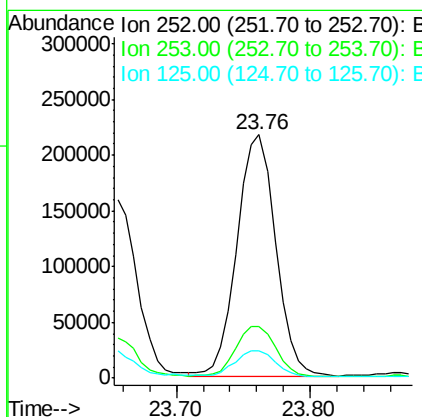
Manual Integrations
APPROVED

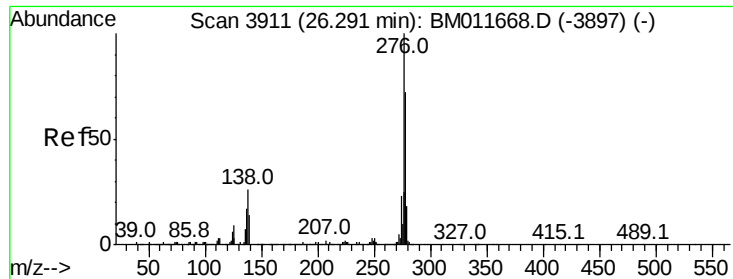
Sohil
9/22/2017 4:06:25 PM



#91
Benzo(a)pyrene
Concen: 4.265 ng/ul
RT: 23.76 min Scan# 3481
Delta R.T. 0.00 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	434676		
253	21.2	17.2	25.8	
125	11.4	5.8	8.6#	





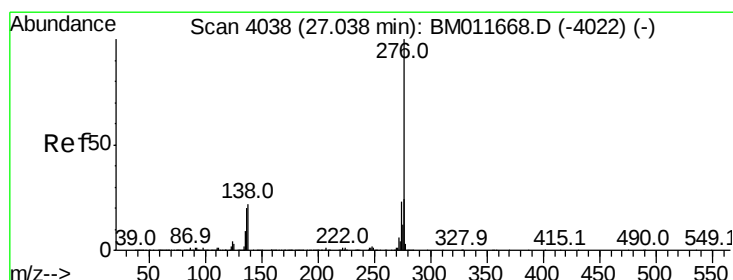
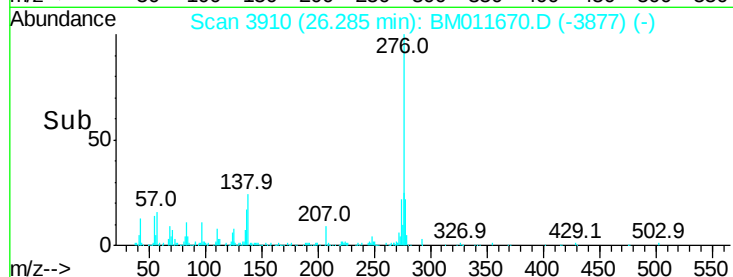
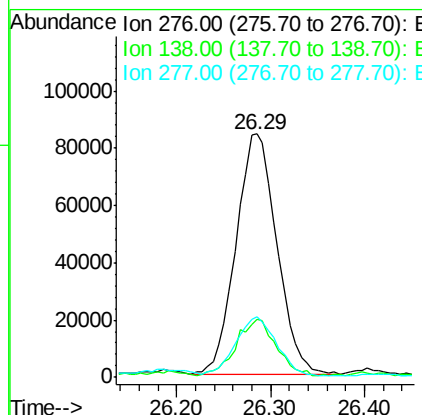
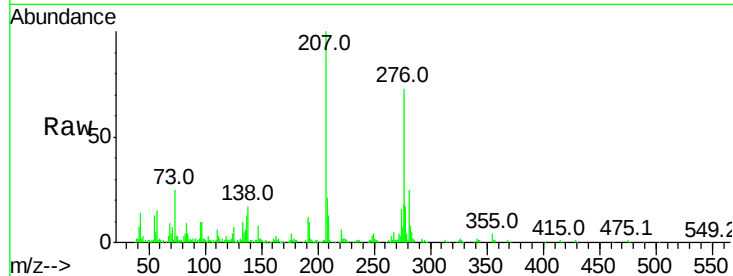
#92
Indeno(1,2,3-cd)pyrene
Concen: 2.259 ng/ul
RT: 26.29 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Instrument :
BNA_M
ClientSampled :
CB3B2

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	10.9	16.3#
277	25.1	18.9	28.3

Manual Integrations
APPROVED

Sohil
9/22/2017 4:06:25 PM



#94
Benzo(g,h,i)perylene
Concen: 2.584 ng/ul
RT: 27.03 min Scan# 4036
Delta R.T. -0.01 min
Lab File: BM011670.D
Acq: 22 Sep 2017 01:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	11.2	16.8#
277	22.5	19.0	28.6

