

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006623.D
 Acq On : 22 Jul 2016 13:34
 Operator : UM/SJ
 Sample : H4077-18 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT2

Manual Integrations

sohil
 7/25/2016 6:39:46 PM

Quant Time: Jul 23 00:37:56 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	168926	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	711562	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	395838	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	883141	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	851804	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	994070	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	1134	0.27	ng/uL	0.00
3) Phenol-d5	6.80	99	45974	3.20	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	30910	3.47	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	37398	3.26	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	33222	2.98	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	17026	3.16	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	18329	3.20	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	35548	3.28	ng/ul	0.00
12) 4-Chloroaniline-d4	10.55	131	28421m	2.38	ng/ul	0.01
16) Dimethylphthalate-d6	13.68	166	108874	3.51	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	143435	3.62	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	14483m	2.69	ng/ul	0.02
21) Fluorene-d10	15.26	176	104684	3.77	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	4740	1.03	ng/ul	0.00
26) Anthracene-d10	17.12	188	159319	3.80	ng/ul	0.00
30) Pyrene-d10	19.42	212	173001	4.46	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	167302	3.66	ng/ul	0.02

Target Compounds

					Qvalue
18) Acenaphthylene	13.99	152	592391	13.96 ng/ul	95
22) Fluorene	15.32	166	34597	1.13 ng/ul	97
25) Phenanthrene	17.06	178	300893	6.06 ng/ul	99
27) Anthracene	17.15	178	732023	14.31 ng/ul	98
28) Fluoranthene	19.09	202	1210804	20.75 ng/ul	98
31) Pyrene	19.45	202	1955757	37.92 ng/ul	97
32) Benzo(a)anthracene	21.21	228	1734214	33.59 ng/ul	93
33) Chrysene	21.26	228	2091497m	43.94 ng/ul	
35) Benzo(b)fluoranthene	22.79	252	5432588	91.17 ng/ul	99
36) Benzo(k)fluoranthene	22.82	252	1923953m	33.39 ng/ul	
38) Benzo(a)pyrene	23.34	252	3159604	54.48 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	2784719	41.46 ng/ul	97
40) Dibenzo(a,h)anthracene	25.64	278	936327	16.82 ng/ul	93
41) Benzo(g,h,i)perylene	26.33	276	2348630	40.80 ng/ul	96

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

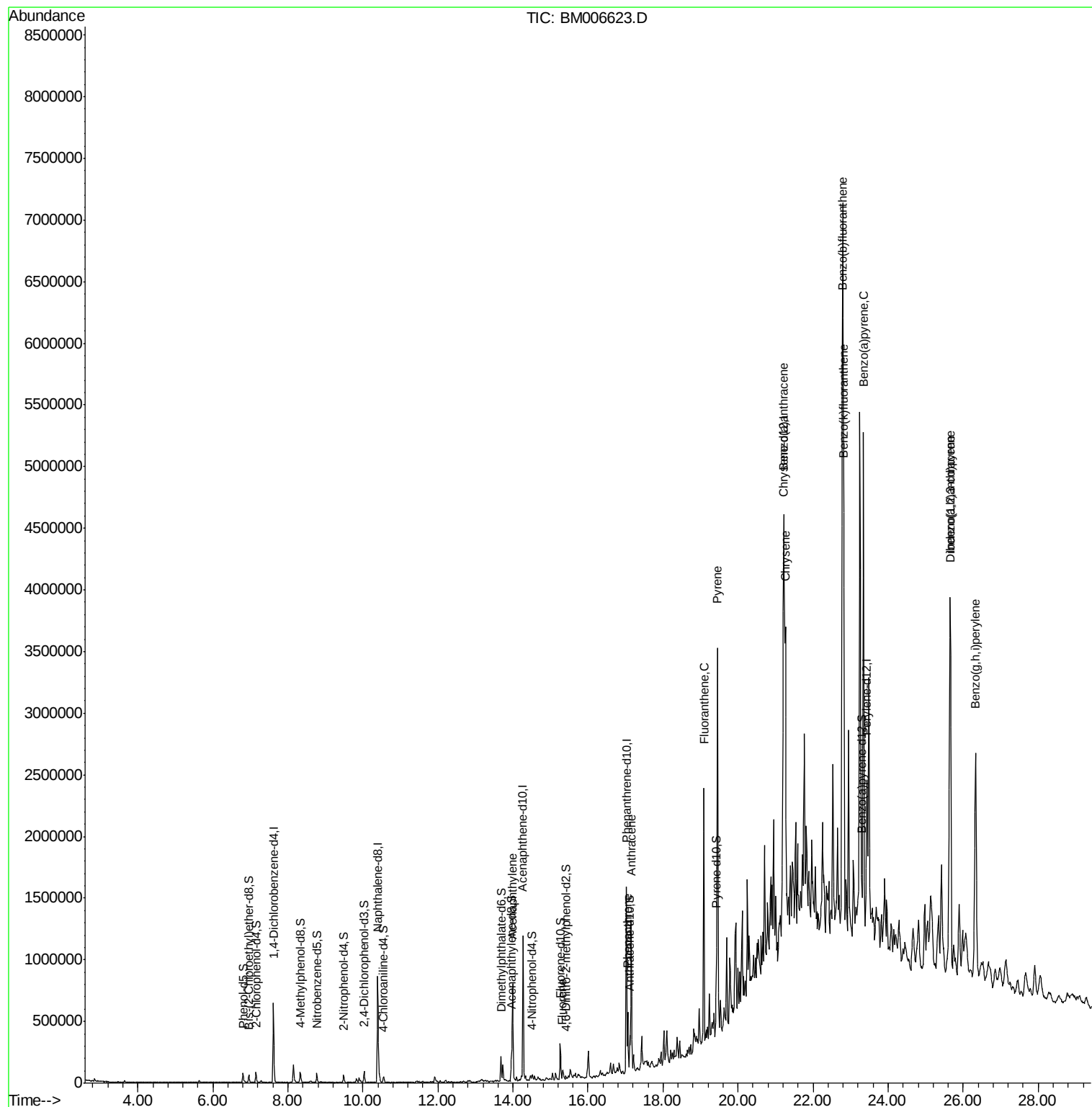
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006623.D
Acq On : 22 Jul 2016 13:34
Operator : UM/SJ
Sample : H4077-18 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

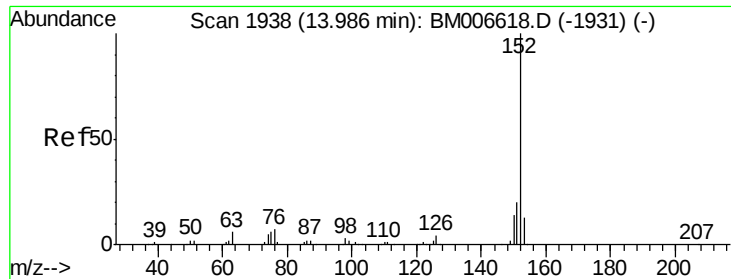
Instrument :
BNA_M
ClientSampleId :
D9YT2

Manual Integrations

sohil
7/25/2016 6:39:46 PM

Quant Time: Jul 23 00:37:56 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 23 00:16:38 2016
Response via : Initial Calibration





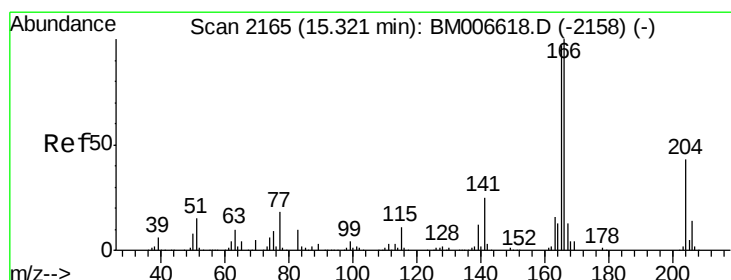
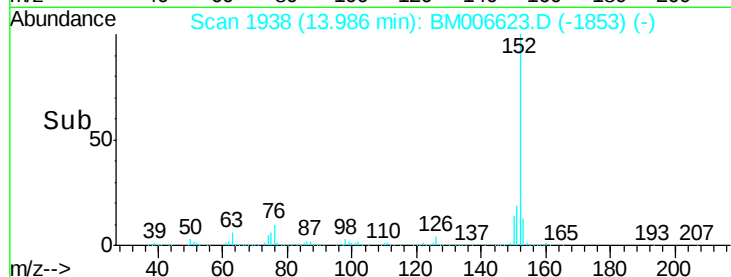
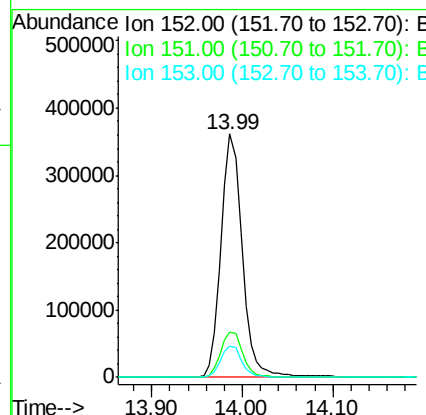
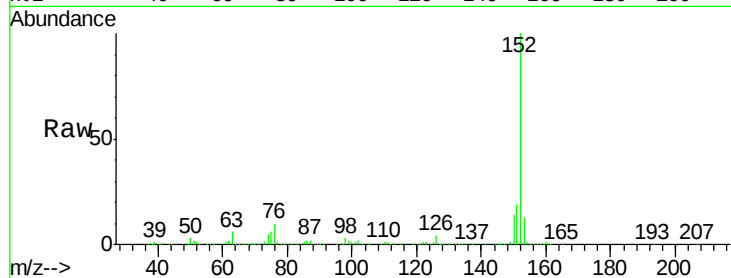
#18
Acenaphthylene
Concen: 13.96 ng/ul
RT: 13.99 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Instrument :
BNA_M
ClientSampleId :
D9YT2

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	17.3	25.9
153	12.8	11.1	16.7

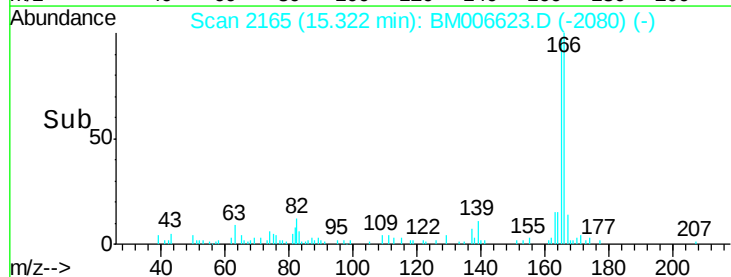
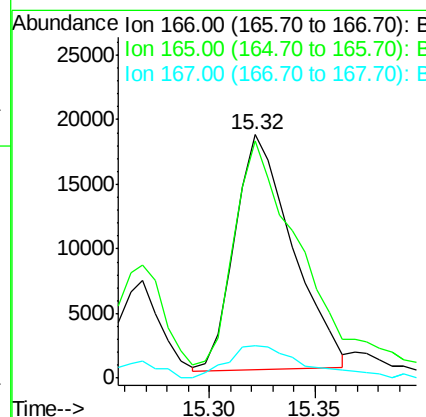
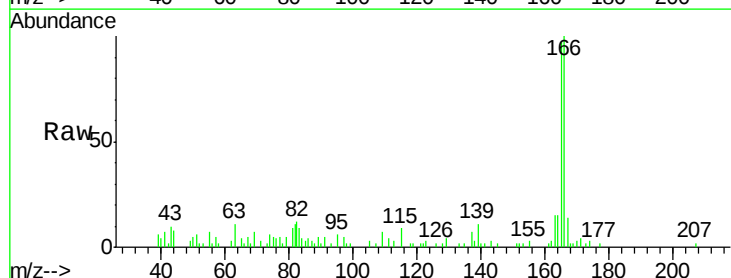
Manual Integrations

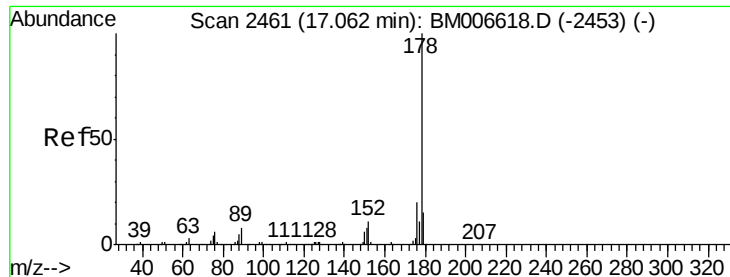
sohil
7/25/2016 6:39:46 PM



#22
Fluorene
Concen: 1.13 ng/ul
RT: 15.32 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	81.1	121.7
167	13.5	10.6	16.0





#25

Phenanthrene

Concen: 6.06 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

Tgt Ion:178 Resp: 300893

Ion Ratio Lower Upper

178 100

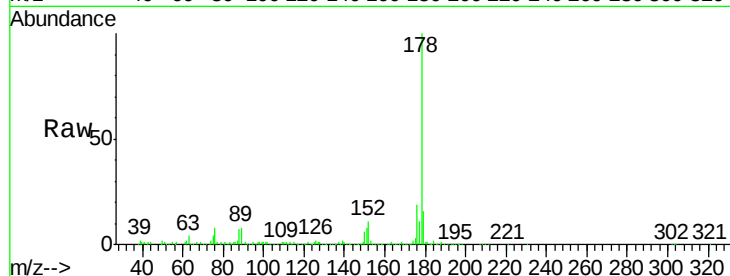
179 15.7 11.8 17.8

176 18.8 14.8 22.2

Manual Integrations

sohil

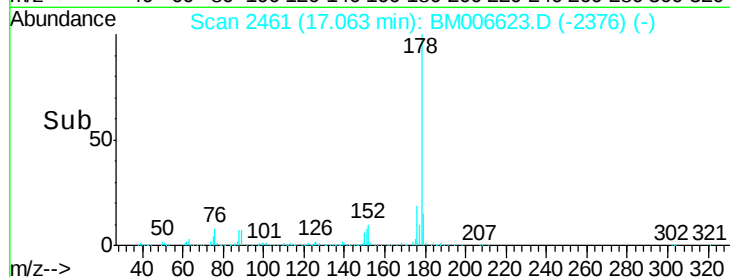
7/25/2016 6:39:46 PM



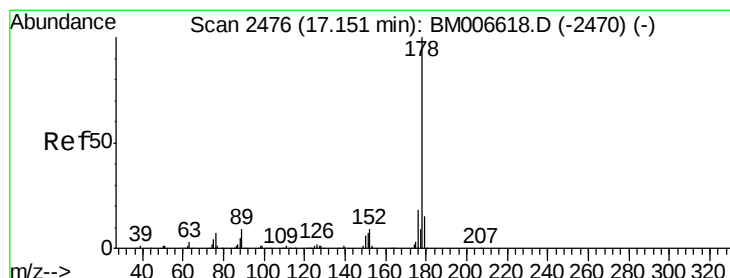
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#27

Anthracene

Concen: 14.31 ng/ul

RT: 17.15 min Scan# 2476

Delta R.T. 0.00 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

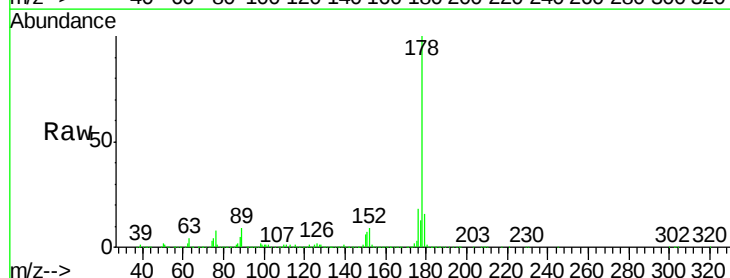
Tgt Ion:178 Resp: 732023

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

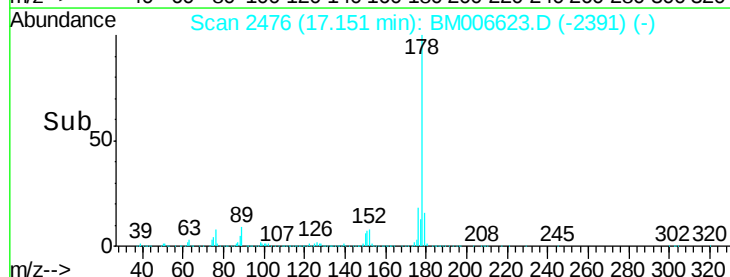
176 18.3 15.6 23.4



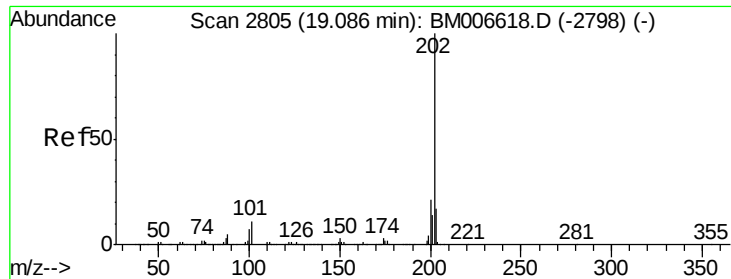
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



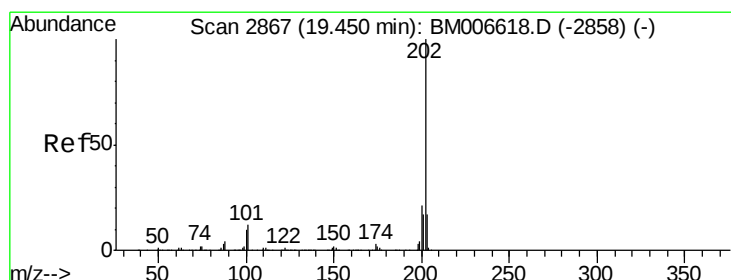
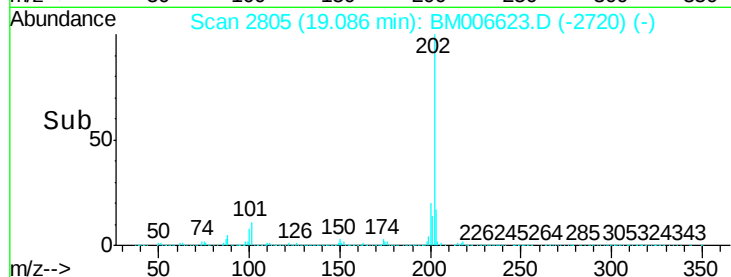
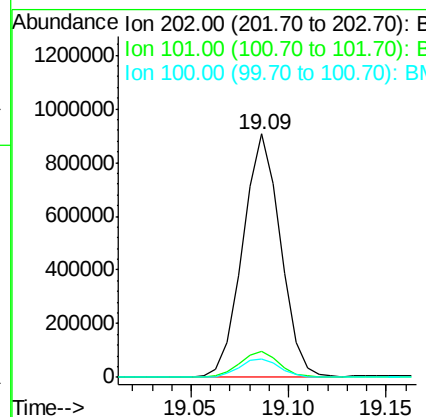
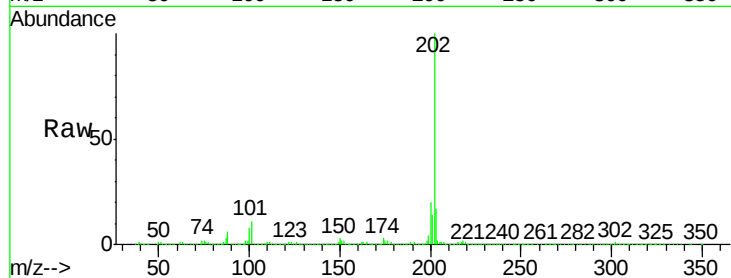
#28
Fluoranthene
Concen: 20.75 ng/ul
RT: 19.09 min Scan# 2805
Delta R.T. 0.00 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Instrument :
BNA_M
ClientSampleId :
D9YT2

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	10.7	8.9	13.3	
100	7.5	7.0	10.4	

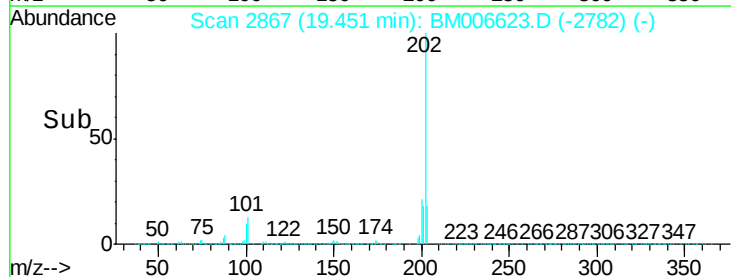
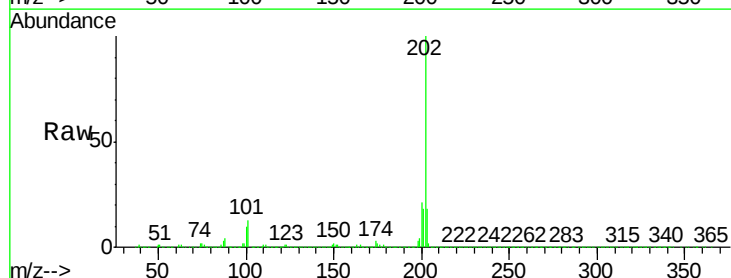
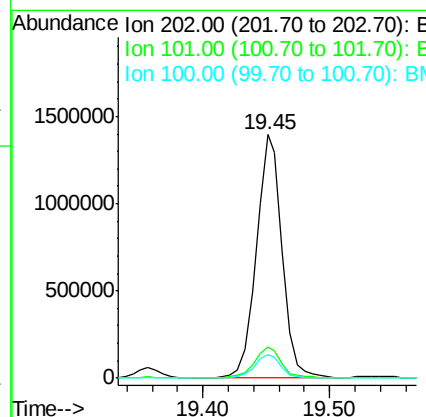
Manual Integrations

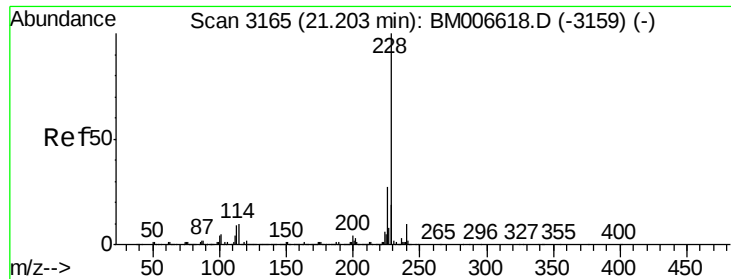
sohil
7/25/2016 6:39:46 PM



#31
Pyrene
Concen: 37.92 ng/ul
RT: 19.45 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	12.7	9.8	14.8	
100	9.8	9.3	13.9	





#32

Benzo(a)anthracene

Concen: 33.59 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampleId :

D9YT2

Tgt Ion:228 Resp: 1734214

Ion Ratio Lower Upper

228 100

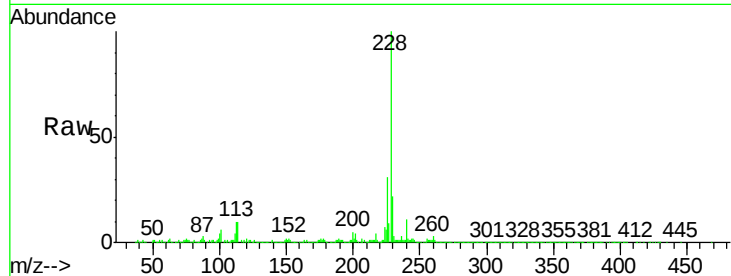
229 22.1 16.6 25.0

226 31.1 21.0 31.4

Manual Integrations

sohil

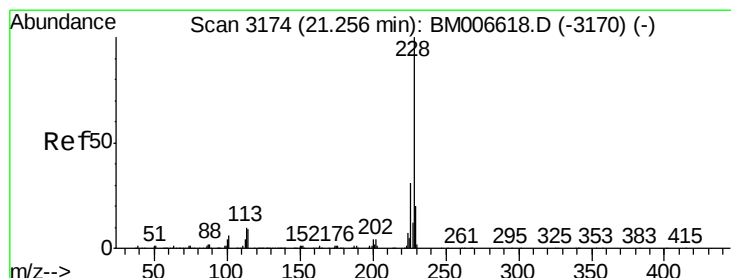
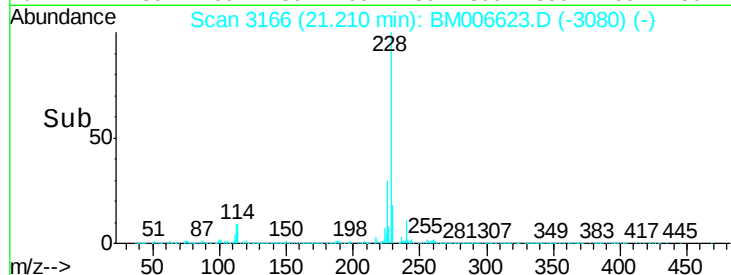
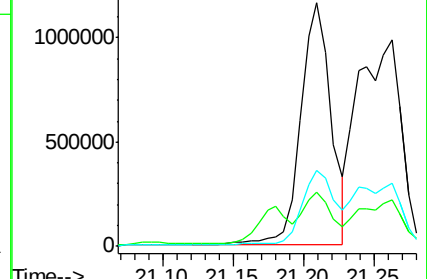
7/25/2016 6:39:46 PM



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



#33

Chrysene

Concen: 43.94 ng/ul m

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

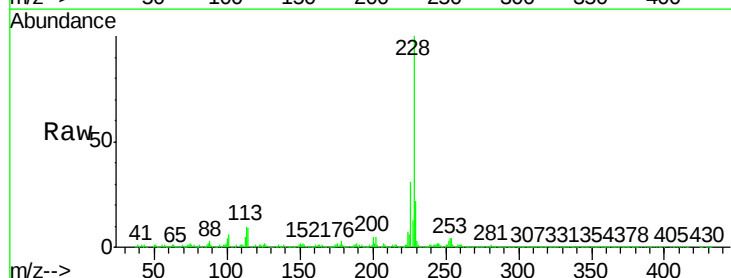
Tgt Ion:228 Resp: 2091497

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

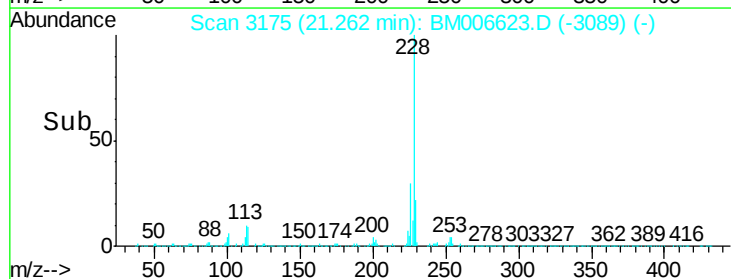
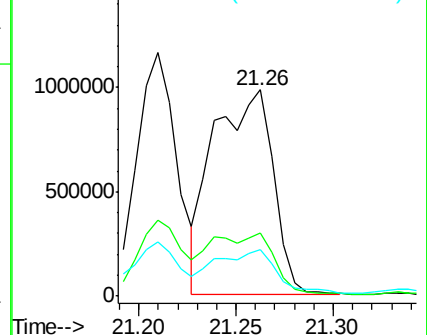
229 22.4 16.2 24.2

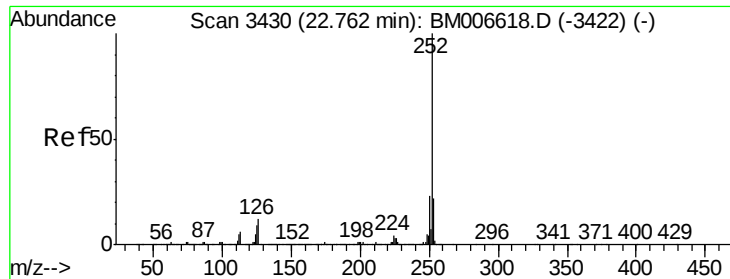


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 91.17 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. 0.02 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Instrument :

BNA_M

ClientSampled :

D9YT2

Tgt Ion:252 Resp: 5432588

Ion Ratio Lower Upper

252 100

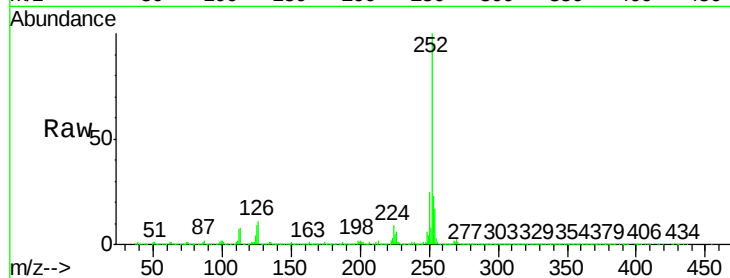
253 22.9 18.1 27.1

125 8.8 7.6 11.4

Manual Integrations

sohil

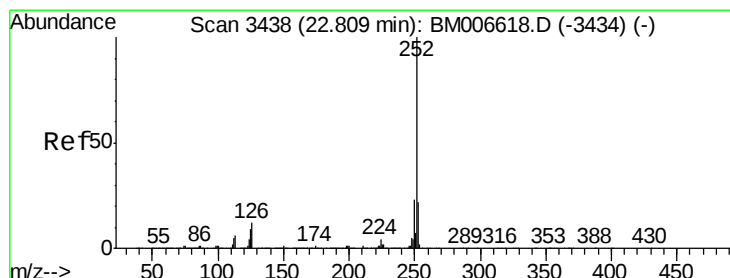
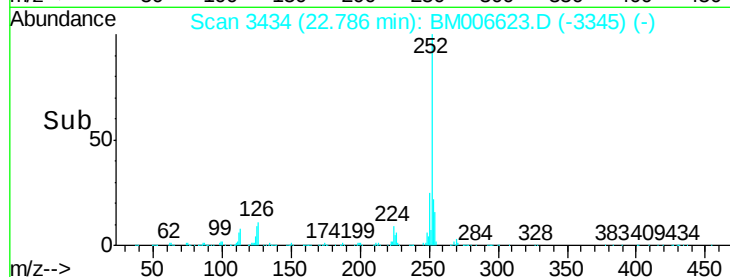
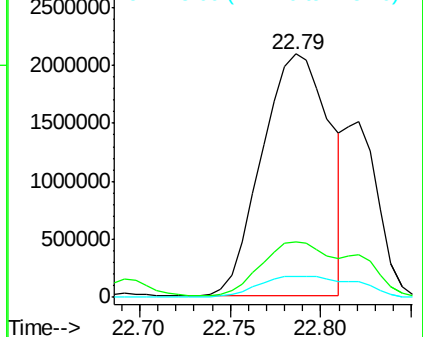
7/25/2016 6:39:46 PM



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



#36

Benzo(k)fluoranthene

Concen: 33.39 ng/ul m

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM006623.D

Acq: 22 Jul 2016 13:34

Tgt Ion:252 Resp: 1923953

Ion Ratio Lower Upper

252 100

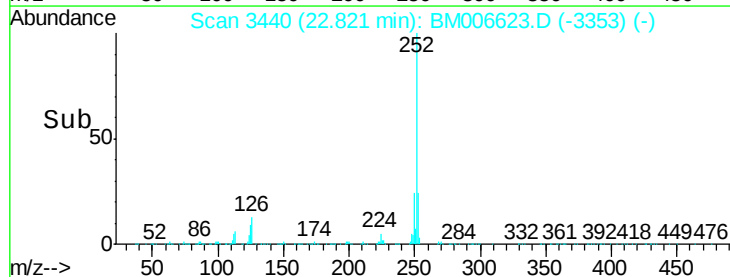
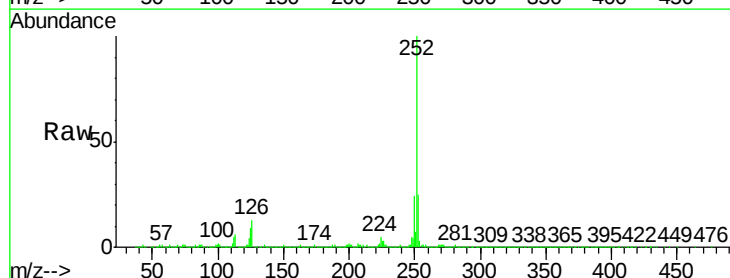
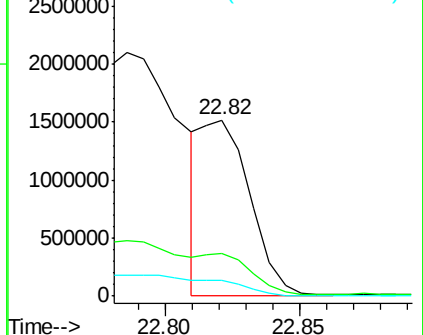
253 24.5 17.8 26.8

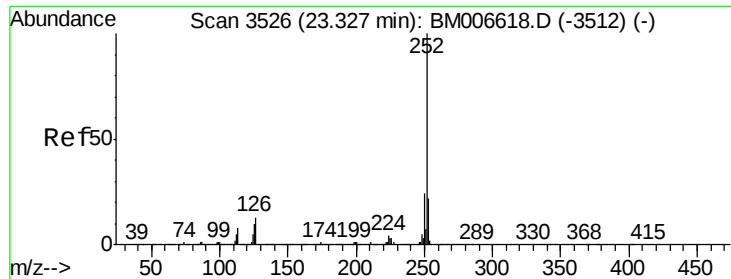
125 8.8 7.7 11.5

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





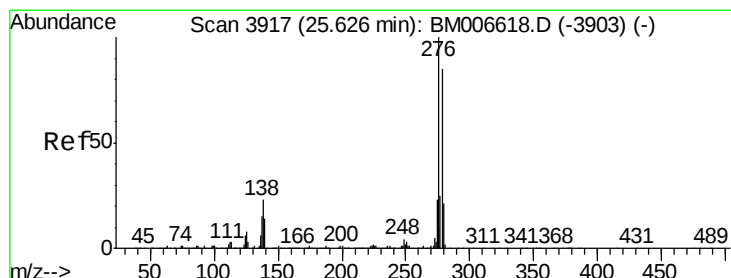
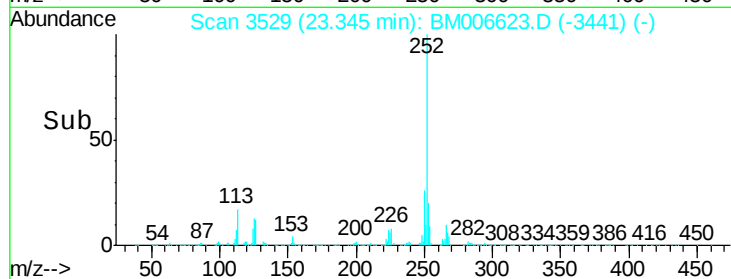
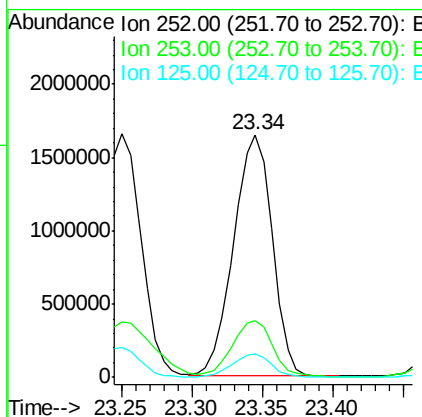
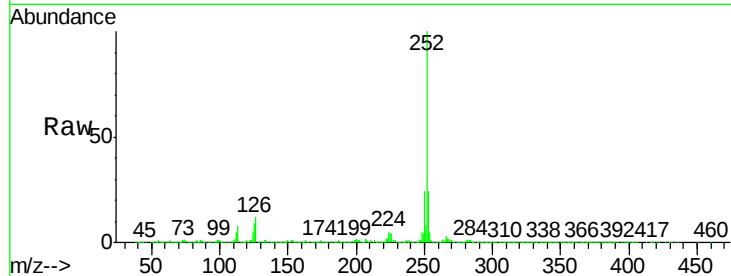
#38
Benzo(a)pyrene
Concen: 54.48 ng/ul
RT: 23.34 min Scan# 3529
Delta R.T. 0.02 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Instrument :
BNA_M
ClientSampleId :
D9YT2

Tgt Ion:252 Resp: 3159604
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.5 8.2 12.2

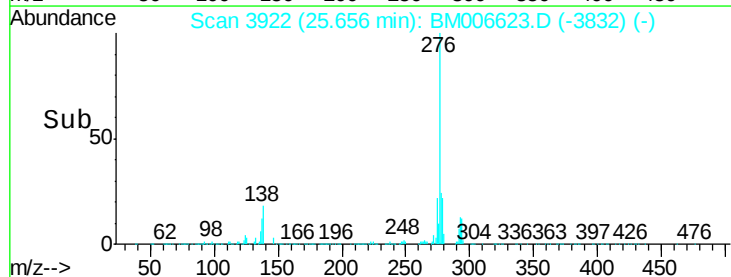
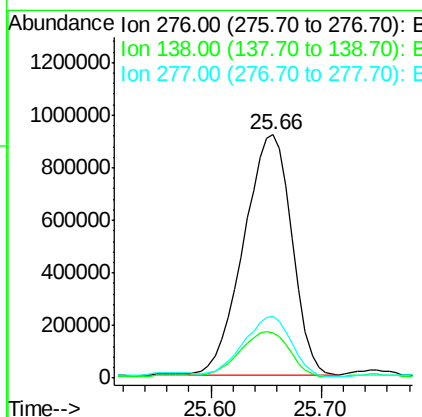
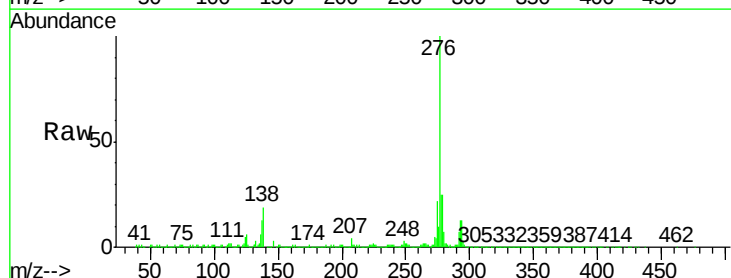
Manual Integrations

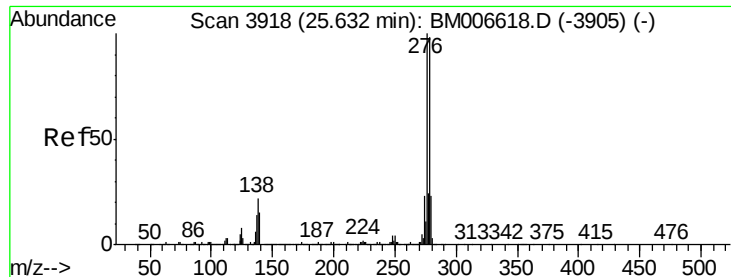
sohil
7/25/2016 6:39:46 PM



#39
Indeno(1,2,3-cd)pyrene
Concen: 41.46 ng/ul
RT: 25.66 min Scan# 3922
Delta R.T. 0.03 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Tgt Ion:276 Resp: 2784719
Ion Ratio Lower Upper
276 100
138 18.7 15.8 23.6
277 25.2 19.0 28.6





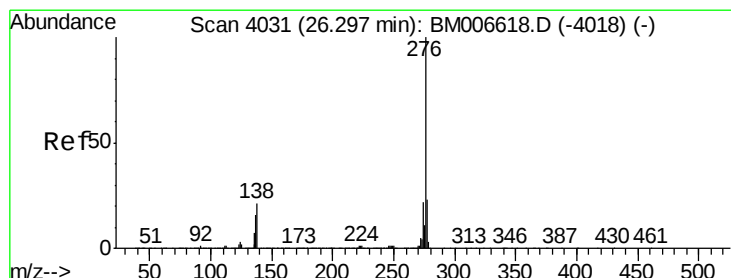
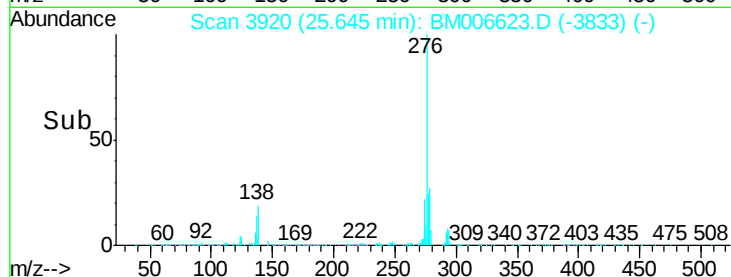
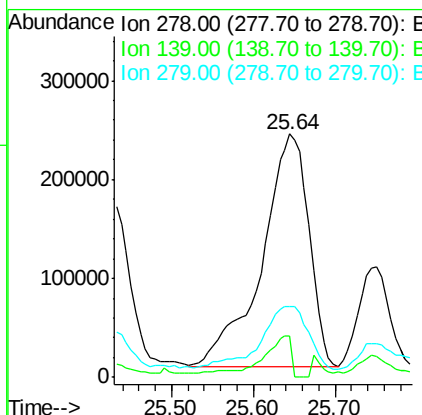
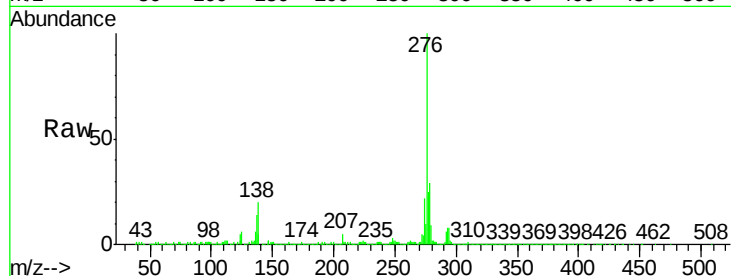
#40
Dibenzo(a,h)anthracene
Concen: 16.82 ng/ul
RT: 25.64 min Scan# 3920
Delta R.T. 0.01 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Instrument :
BNA_M
ClientSampleId :
D9YT2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.1	18.1
279	29.3	19.8	29.8

Manual Integrations

sohil
7/25/2016 6:39:46 PM



#41
Benzo(g,h,i)perylene
Concen: 40.80 ng/ul
RT: 26.33 min Scan# 4037
Delta R.T. 0.04 min
Lab File: BM006623.D
Acq: 22 Jul 2016 13:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	13.9	20.9
277	24.1	19.8	29.6

