

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006636.D
 Acq On : 22 Jul 2016 22:24
 Operator : UM/SJ
 Sample : H4077-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT0

Manual Integrations

sohil
 7/25/2016 6:39:11 PM

Quant Time: Jul 23 01:08:39 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	192618	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	907074	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	518110	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1117009	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1074068	20.00	ng/ul	0.01
34) Perylene-d12	23.44	264	1201951	20.00	ng/ul	0.02

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	9191	1.93	ng/uL	0.00
3) Phenol-d5	6.80	99	361009	22.03	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	233116	22.96	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	290596	22.19	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	280135	22.04	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	142422	20.74	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	149027	20.41	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	277670	20.12	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	309938	20.40	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	822898	20.26	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1061987	20.48	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	107082	15.18	ng/ul	0.02
21) Fluorene-d10	15.27	176	736371	20.27	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	21759	3.75	ng/ul	0.01
26) Anthracene-d10	17.13	188	1094268	20.63	ng/ul	0.01
30) Pyrene-d10	19.43	212	1129233	23.07	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1112080	20.11	ng/ul	0.02

Target Compounds

					Qvalue
18) Acenaphthylene	13.99	152	486453	8.76 ng/ul	98
22) Fluorene	15.33	166	43563	1.08 ng/ul	94
25) Phenanthrene	17.07	178	1361446	21.67 ng/ul	100
27) Anthracene	17.16	178	577271	8.92 ng/ul	98
28) Fluoranthene	19.09	202	2702601	36.62 ng/ul	99
31) Pyrene	19.46	202	2624785	40.36 ng/ul	97
32) Benzo(a)anthracene	21.22	228	1595987	24.52 ng/ul	95
33) Chrysene	21.27	228	1898677	31.64 ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	4243013	58.89 ng/ul	100
36) Benzo(k)fluoranthene	22.82	252	1310828m	18.82 ng/ul	
38) Benzo(a)pyrene	23.35	252	2291429	32.67 ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.66	276	2016551	24.83 ng/ul	98
40) Dibenzo(a,h)anthracene	25.66	278	665782m	9.89 ng/ul	
41) Benzo(g,h,i)perylene	26.34	276	1646778	23.66 ng/ul	97

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

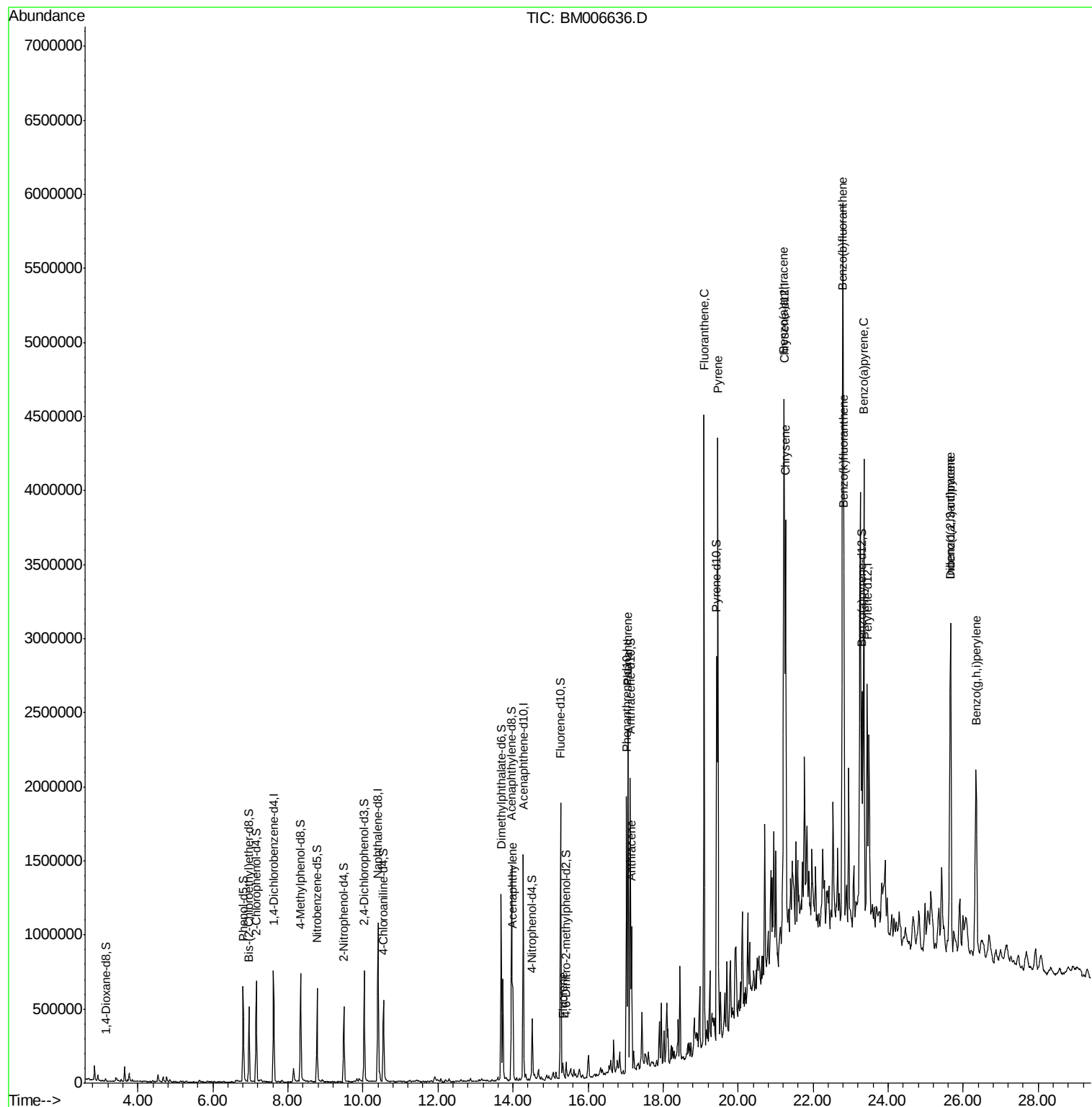
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006636.D
Acq On : 22 Jul 2016 22:24
Operator : UM/SJ
Sample : H4077-16
Misc :
ALS Vial : 19 Sample Multiplier: 1

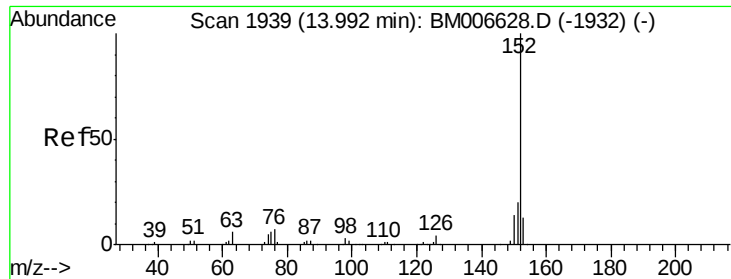
Instrument :
BNA_M
ClientSampleId :
D9YT0

Manual Integrations

sohil
7/25/2016 6:39:11 PM

Quant Time: Jul 23 01:08:39 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





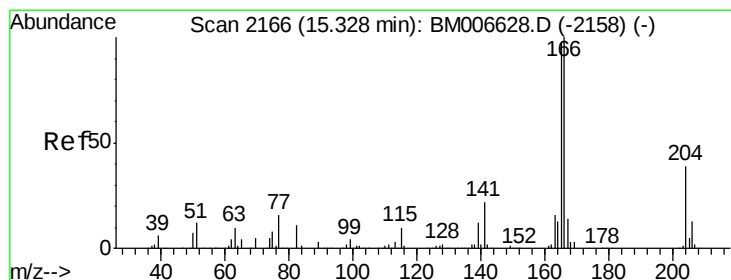
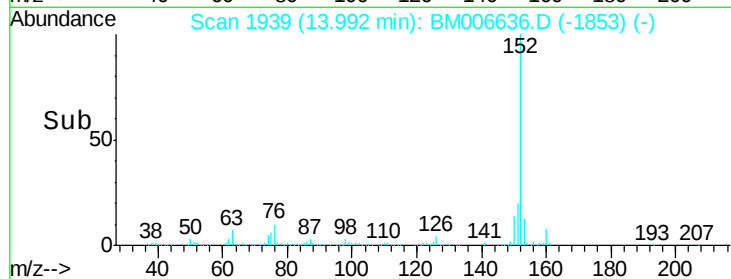
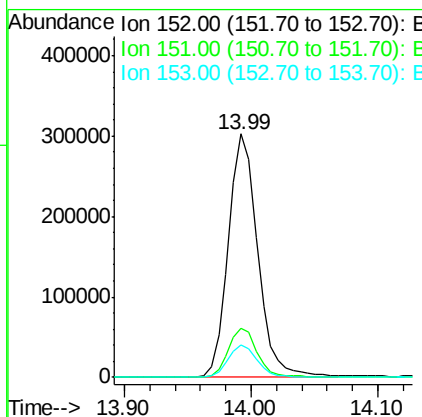
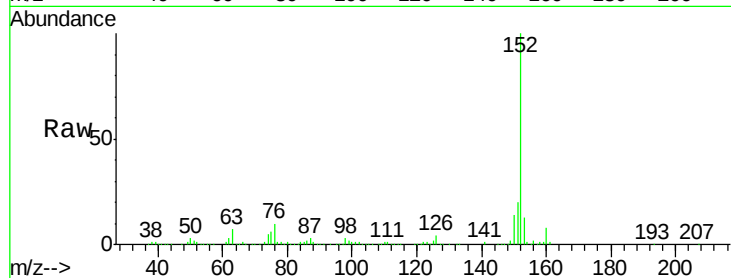
#18
Acenaphthylene
Concen: 8.76 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.3	25.9
153	13.5	11.1	16.7

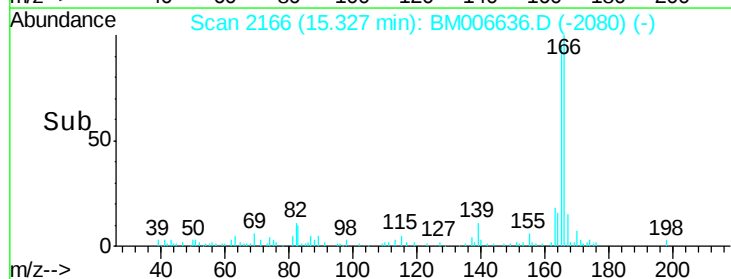
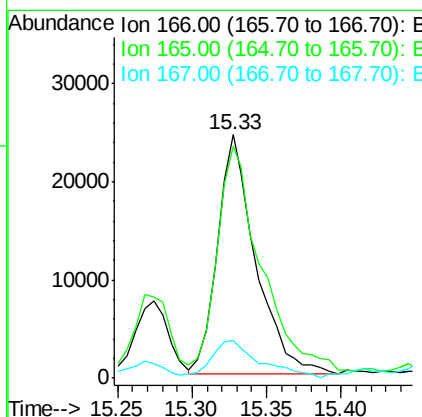
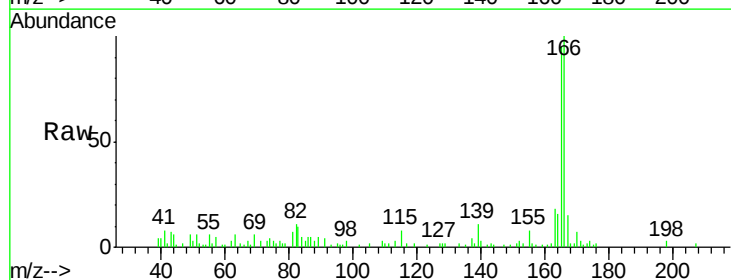
Manual Integrations

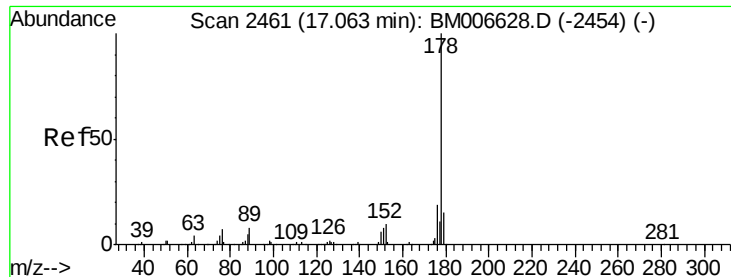
sohil
7/25/2016 6:39:11 PM



#22
Fluorene
Concen: 1.08 ng/ul
RT: 15.33 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.4	81.1	121.7
167	15.2	10.6	16.0





#25

Phenanthrene

Concen: 21.67 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

Instrument :

BNA_M

ClientSampleId :

D9YT0

Tgt Ion:178 Resp: 1361446

Ion Ratio Lower Upper

178 100

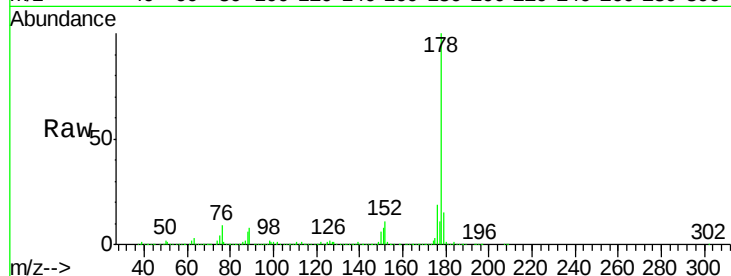
179 15.0 11.8 17.8

176 18.7 14.8 22.2

Manual Integrations

sohil

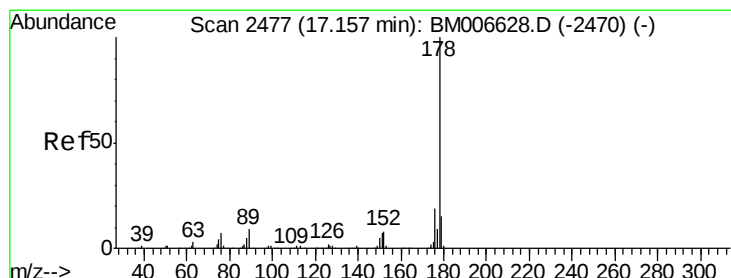
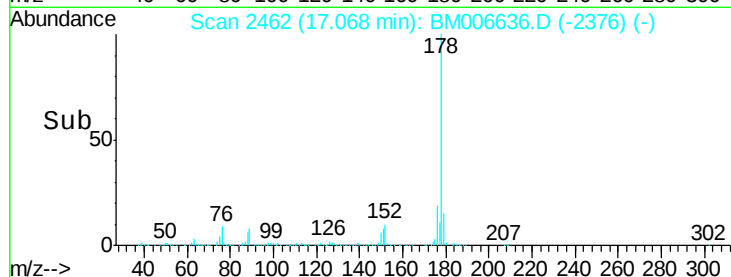
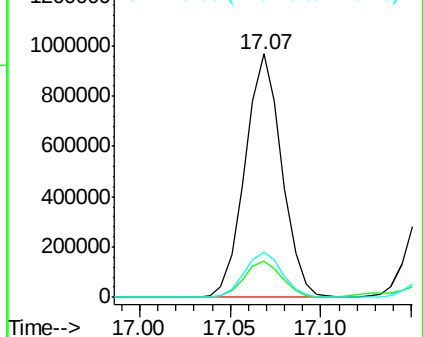
7/25/2016 6:39:11 PM



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



#27

Anthracene

Concen: 8.92 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

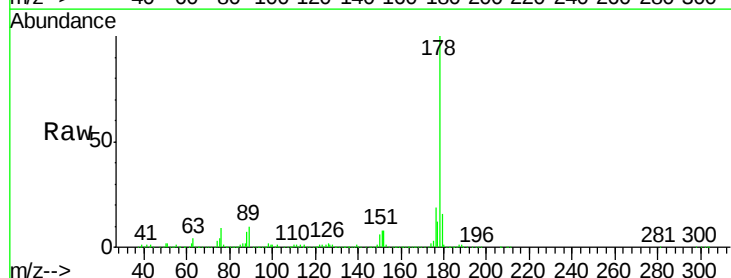
Tgt Ion:178 Resp: 577271

Ion Ratio Lower Upper

178 100

179 15.5 12.9 19.3

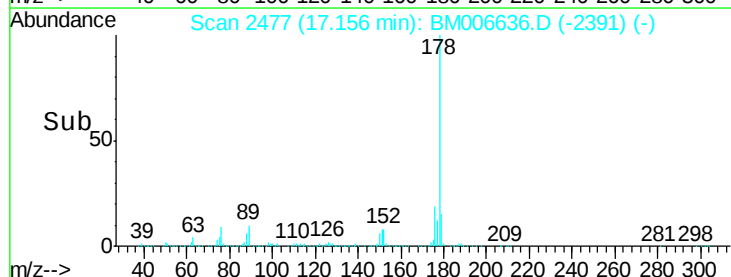
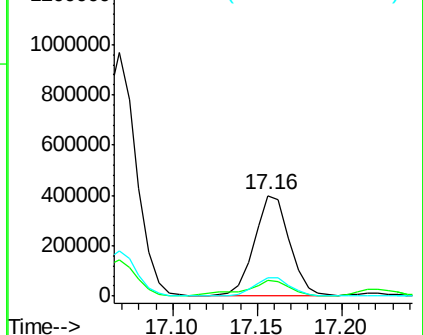
176 18.7 15.6 23.4

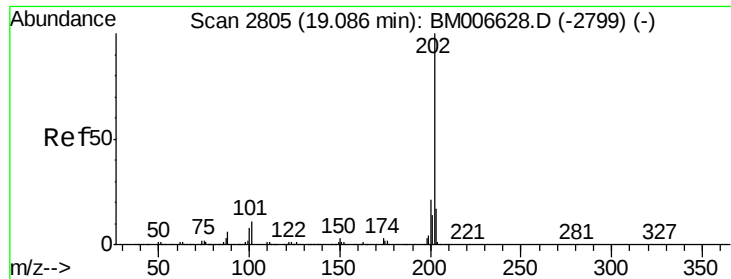


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





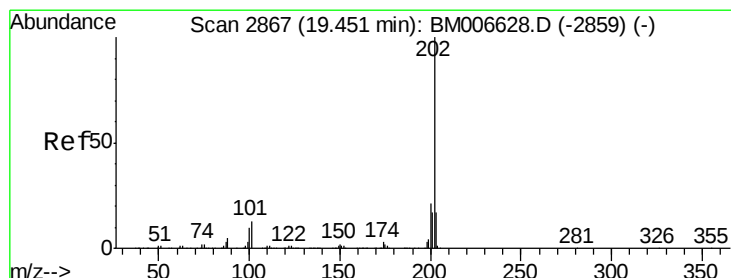
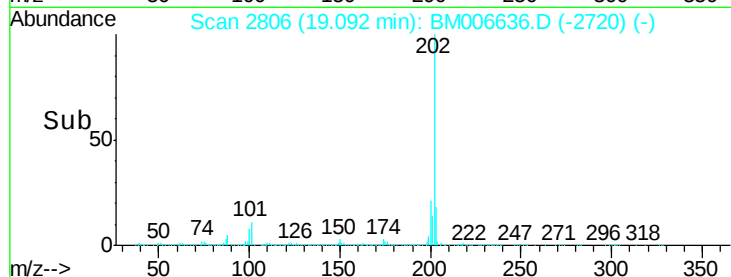
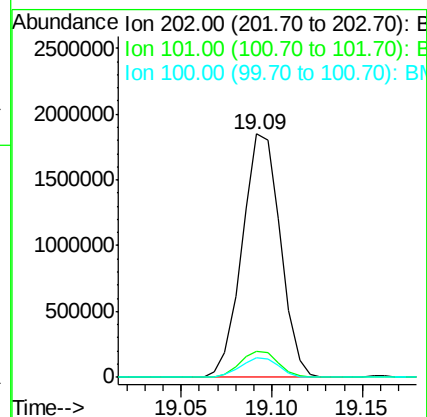
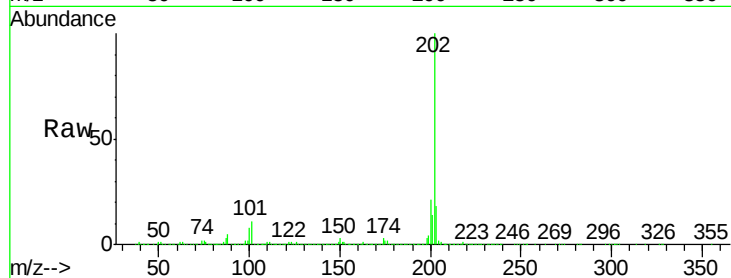
#28
Fluoranthene
Concen: 36.62 ng/ul
RT: 19.09 min Scan# 2806
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Instrument :
BNA_M
ClientSampleId :
D9YT0

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.9	13.3
100	8.2	7.0	10.4

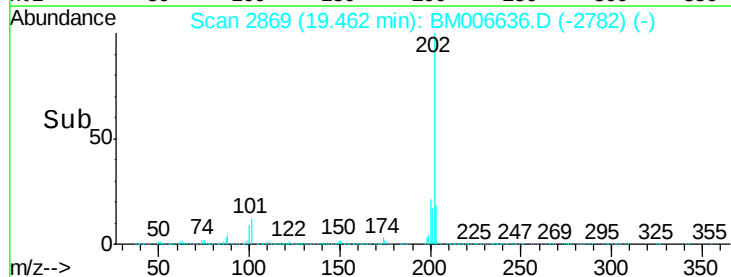
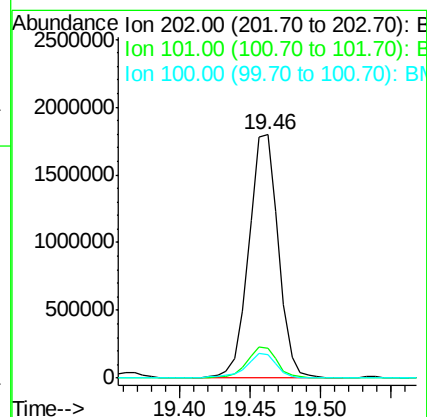
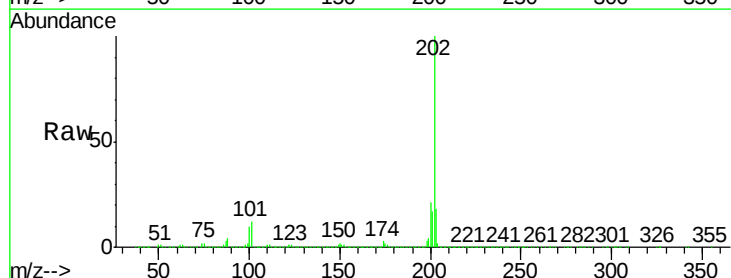
Manual Integrations

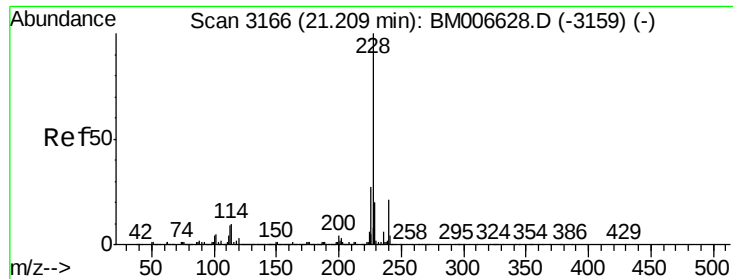
sohil
7/25/2016 6:39:11 PM



#31
Pyrene
Concen: 40.36 ng/ul
RT: 19.46 min Scan# 2869
Delta R.T. 0.01 min
Lab File: BM006636.D
Acq: 22 Jul 2016 22:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
100	9.5	9.3	13.9





#32

Benzo(a)anthracene

Concen: 24.52 ng/ul

RT: 21.22 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

Instrument :

BNA_M

ClientSampleId :

D9YT0

Tgt Ion:228 Resp: 1595987

Ion Ratio Lower Upper

228 100

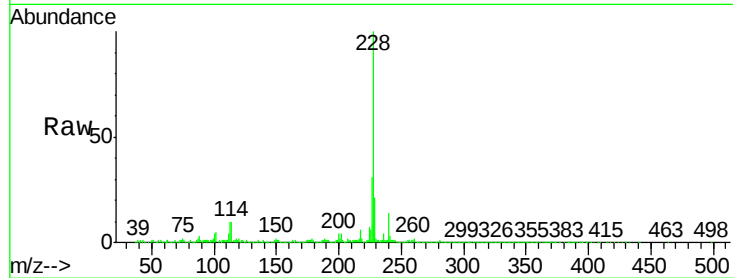
229 21.0 16.6 25.0

226 31.1 21.0 31.4

Manual Integrations

sohil

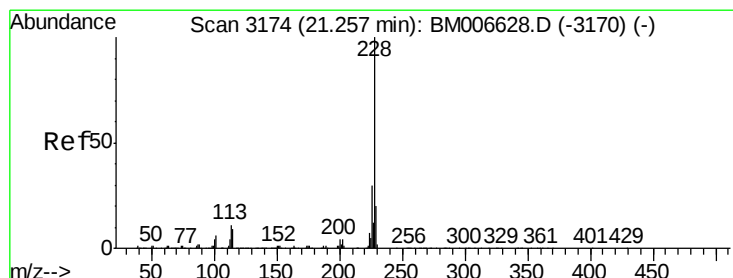
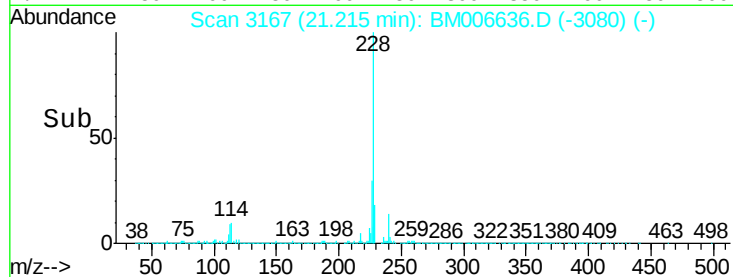
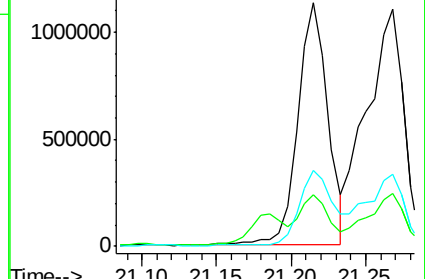
7/25/2016 6:39:11 PM



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: 31.64 ng/ul

RT: 21.27 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

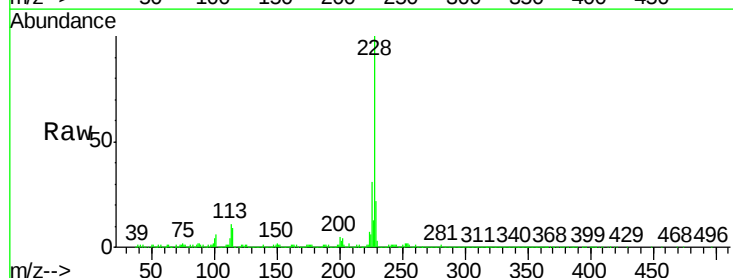
Tgt Ion:228 Resp: 1898677

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

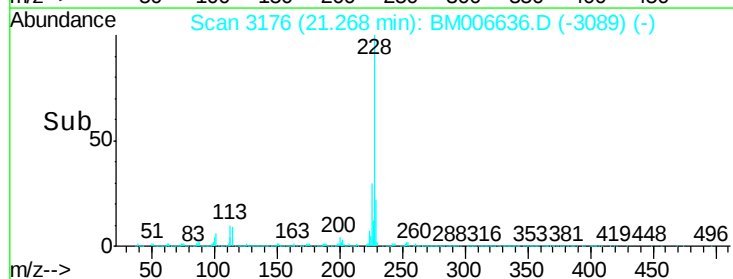
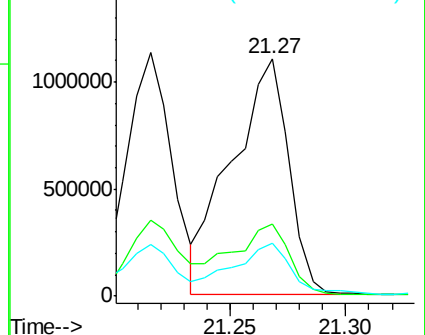
229 22.4 16.2 24.2

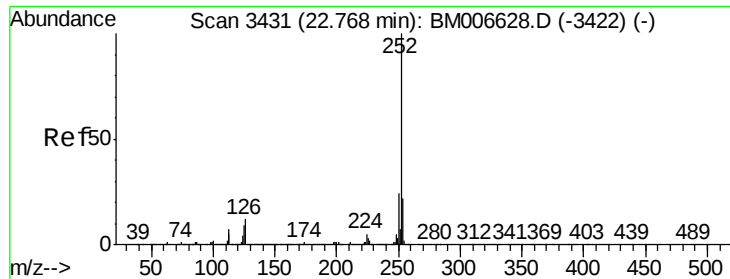


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 58.89 ng/ul

RT: 22.79 min Scan# 3435

Delta R.T. 0.03 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

Instrument :

BNA_M

ClientSampleId :

D9YT0

Tgt Ion:252 Resp: 4243013

Ion Ratio Lower Upper

252 100

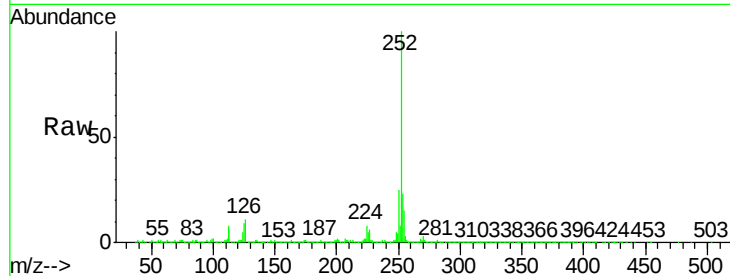
253 22.7 18.1 27.1

125 9.2 7.6 11.4

Manual Integrations

sohil

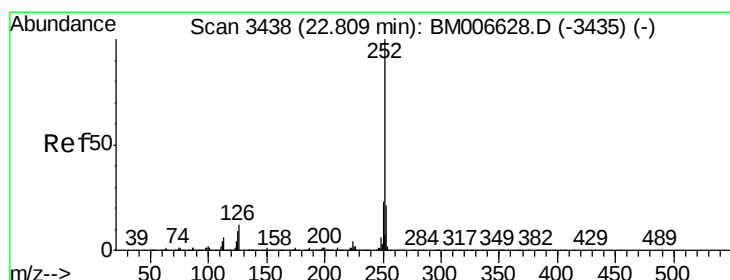
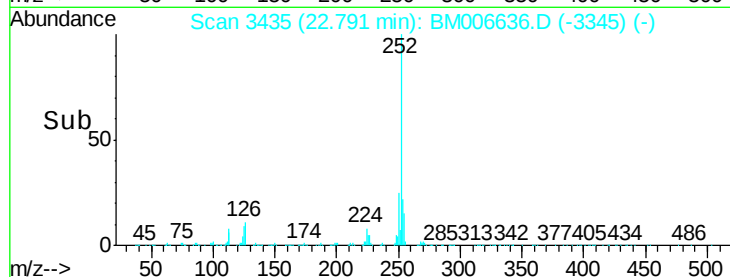
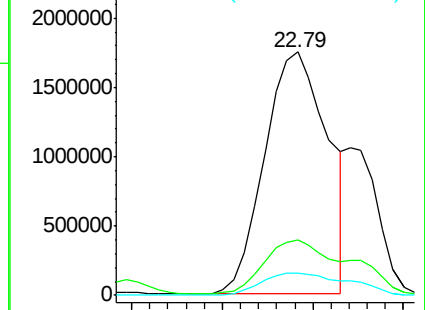
7/25/2016 6:39:11 PM



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: 18.82 ng/ul m

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

Tgt Ion:252 Resp: 1310828

Ion Ratio Lower Upper

252 100

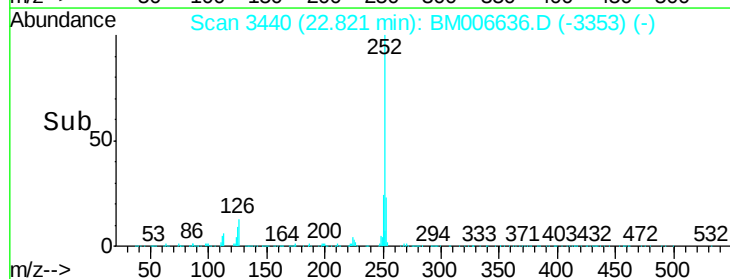
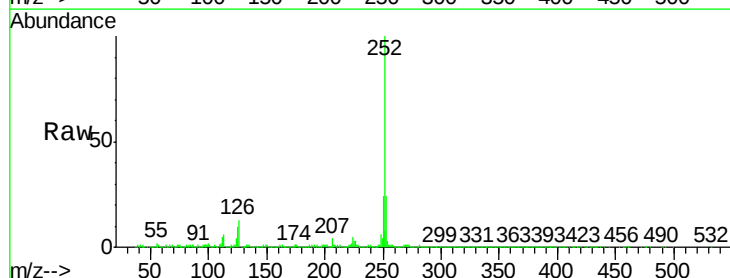
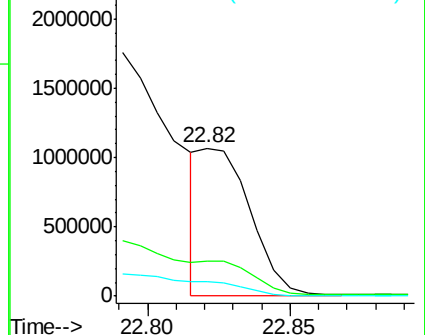
253 24.0 17.8 26.8

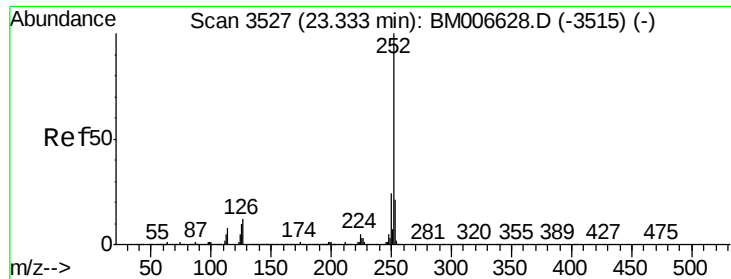
125 9.7 7.7 11.5

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: 32.67 ng/ul

RT: 23.35 min Scan# 3530

Delta R.T. 0.02 min

Lab File: BM006636.D

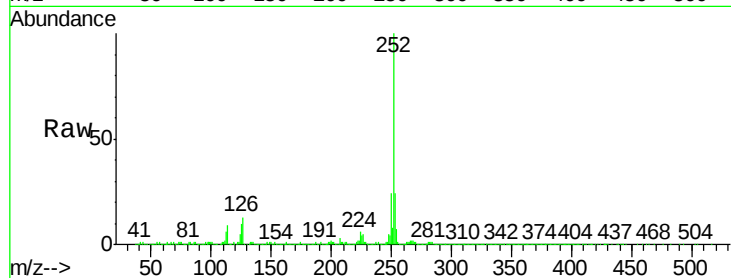
Acq: 22 Jul 2016 22:24

Instrument :

BNA_M

ClientSampleId :

D9YT0



Tgt Ion:252 Resp: 2291429

Ion Ratio Lower Upper

252 100

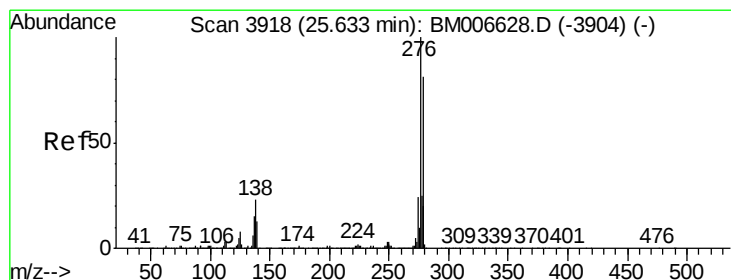
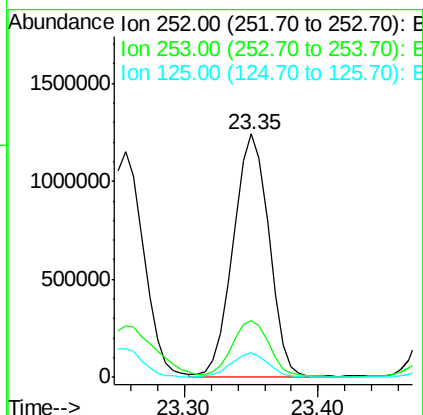
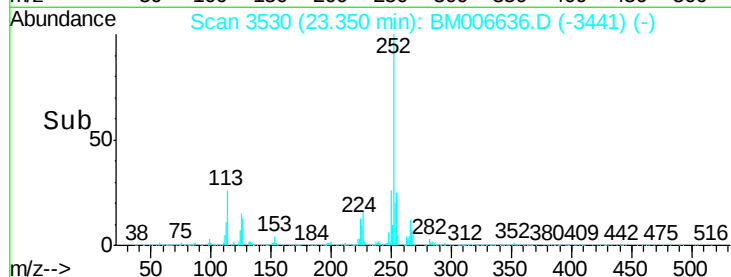
253 23.5 17.4 26.0

125 10.0 8.2 12.2

Manual Integrations

sohil

7/25/2016 6:39:11 PM



#39

Indeno(1,2,3-cd)pyrene

Concen: 24.83 ng/ul

RT: 25.66 min Scan# 3923

Delta R.T. 0.04 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

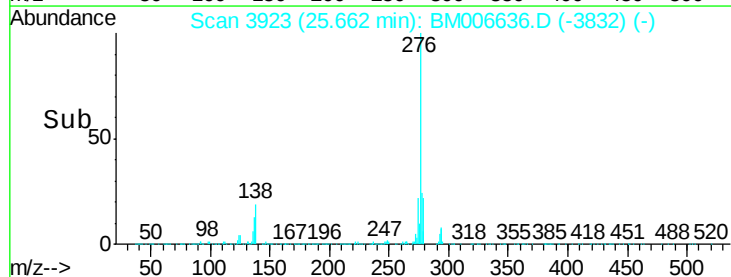
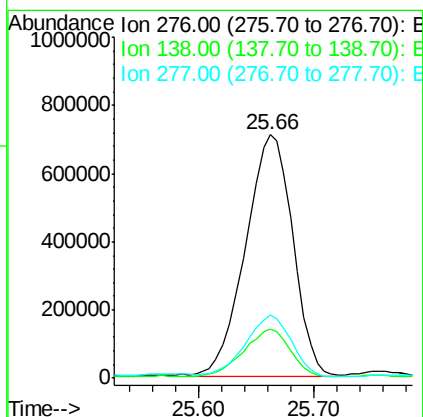
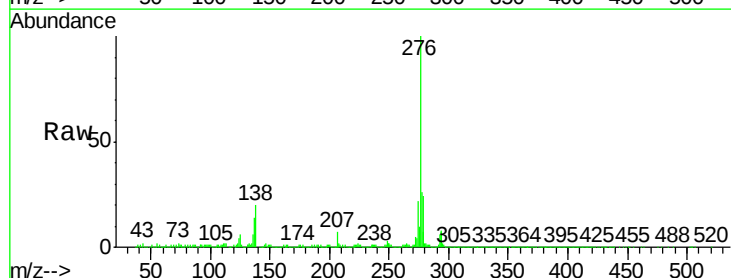
Tgt Ion:276 Resp: 2016551

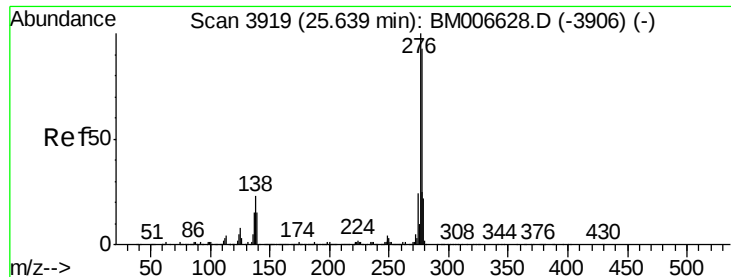
Ion Ratio Lower Upper

276 100

138 20.0 15.8 23.6

277 25.7 19.0 28.6





#40

Dibenzo(a,h)anthracene

Concen: 9.89 ng/ul m

RT: 25.66 min Scan# 3923

Delta R.T. 0.03 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

Instrument :

BNA_M

ClientSampleId :

D9YT0

Tgt Ion:278 Resp: 665782

Ion Ratio Lower Upper

278 100

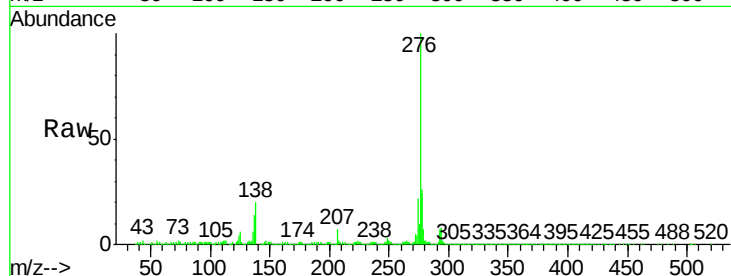
139 0.0 12.1 18.1#

279 29.2 19.8 29.8

Manual Integrations

sohil

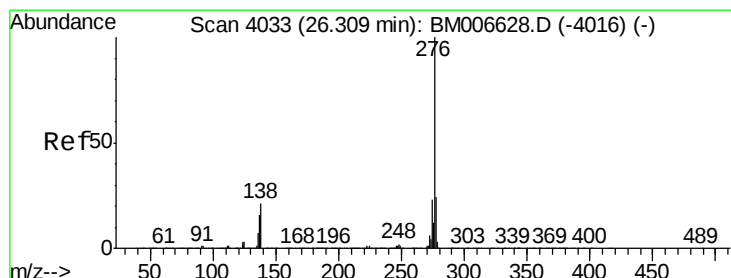
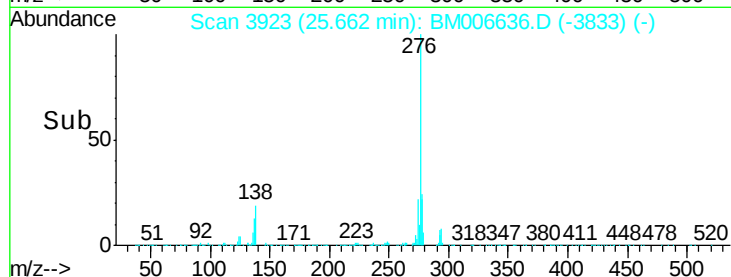
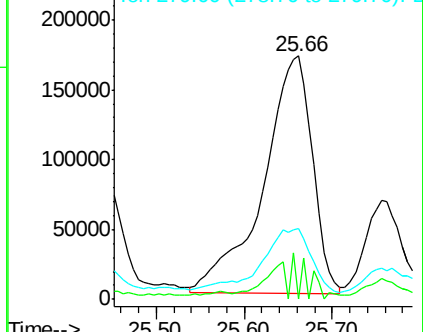
7/25/2016 6:39:11 PM



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



#41

Benzo(g,h,i)perylene

Concen: 23.66 ng/ul

RT: 26.34 min Scan# 4039

Delta R.T. 0.05 min

Lab File: BM006636.D

Acq: 22 Jul 2016 22:24

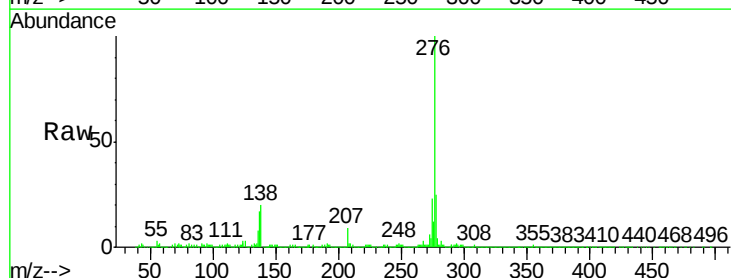
Tgt Ion:276 Resp: 1646778

Ion Ratio Lower Upper

276 100

138 20.4 13.9 20.9

277 24.8 19.8 29.6



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

