

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006638.D
 Acq On : 22 Jul 2016 23:39
 Operator : UM/SJ
 Sample : H4077-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT5

Manual Integrations

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 7/25/2016 6:39:17 PM

Quant Time: Jul 23 01:13:46 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	179348	20.00	ng/ul	0.01
7) Naphthalene-d8	10.40	136	820971	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	462551	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1007883	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1022291	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1093004	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7848	1.77	ng/uL	0.00
3) Phenol-d5	6.80	99	317513	20.81	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	205157	21.71	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	254338	20.86	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	218040	18.43	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	124757	20.08	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	132285	20.02	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	237551	19.02	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	182776	13.29	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	713559	19.68	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	928128	20.05	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	88209	14.00	ng/ul	0.02
21) Fluorene-d10	15.27	176	643691	19.85	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	27392	5.24	ng/ul	0.01
26) Anthracene-d10	17.12	188	955179	19.96	ng/ul	0.00
30) Pyrene-d10	19.43	212	1020256	21.90	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1011877	20.13	ng/ul	0.01

Target Compounds

						Qvalue
18) Acenaphthylene	13.99	152	176909	3.57	ng/ul	99
22) Fluorene	15.33	166	101351	2.82	ng/ul	95
25) Phenanthrene	17.07	178	1131692	19.97	ng/ul	99
27) Anthracene	17.16	178	358193	6.14	ng/ul	97
28) Fluoranthene	19.09	202	1601153	24.04	ng/ul	99
31) Pyrene	19.46	202	1274316	20.59	ng/ul	97
32) Benzo(a)anthracene	21.21	228	902068	14.56	ng/ul	97
33) Chrysene	21.26	228	830641	14.54	ng/ul	97
35) Benzo(b)fluoranthene	22.77	252	1068063	16.30	ng/ul	98
36) Benzo(k)fluoranthene	22.82	252	367387m	5.80	ng/ul	
38) Benzo(a)pyrene	23.34	252	716147	11.23	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.65	276	491442	6.65	ng/ul	98
40) Dibenzo(a,h)anthracene	25.65	278	160740	2.63	ng/ul#	92
41) Benzo(g,h,i)perylene	26.33	276	453371	7.16	ng/ul	97

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

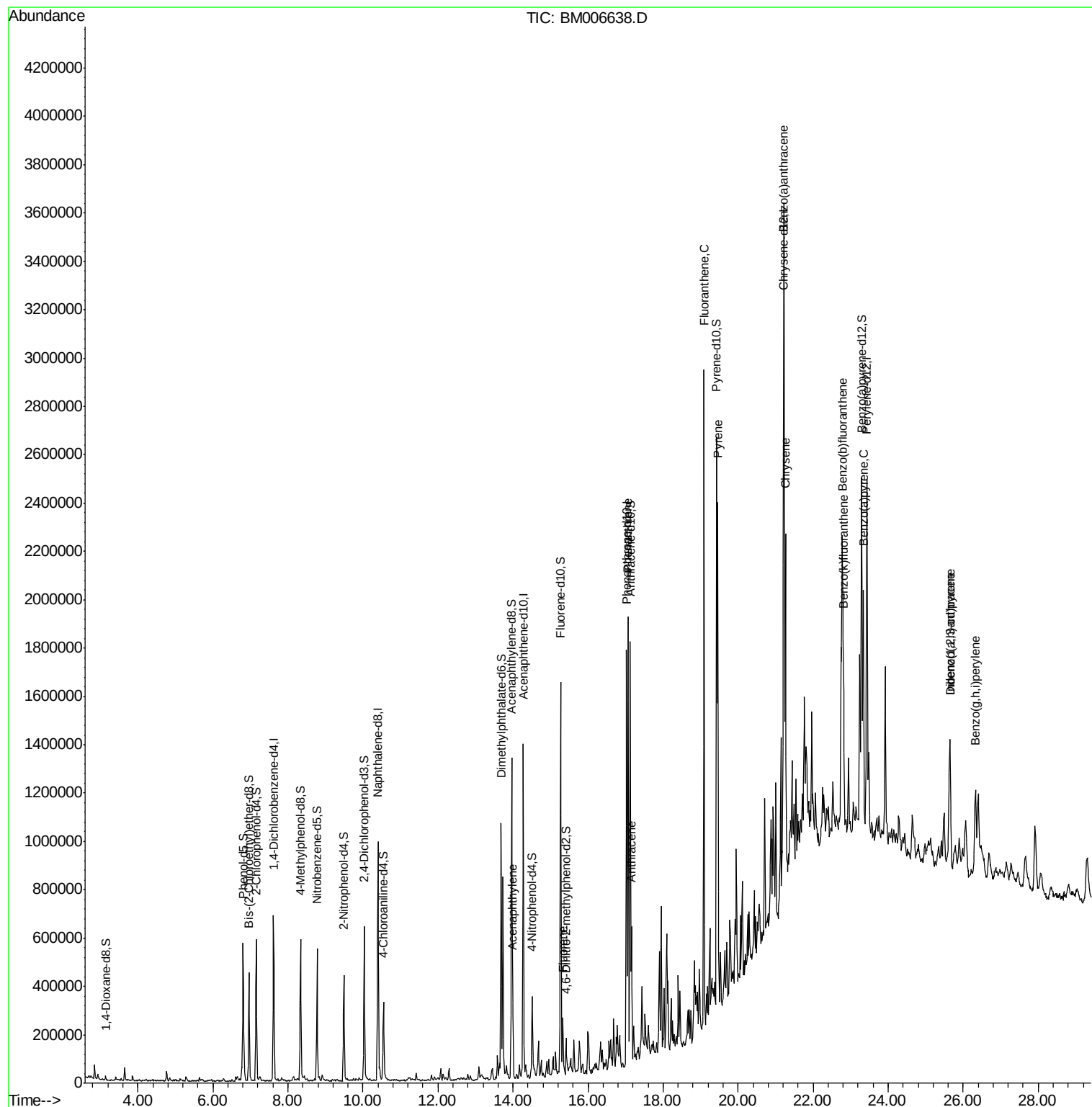
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
Data File : BM006638.D
Acq On : 22 Jul 2016 23:39
Operator : UM/SJ
Sample : H4077-21
Misc :
ALS Vial : 21 Sample Multiplier: 1

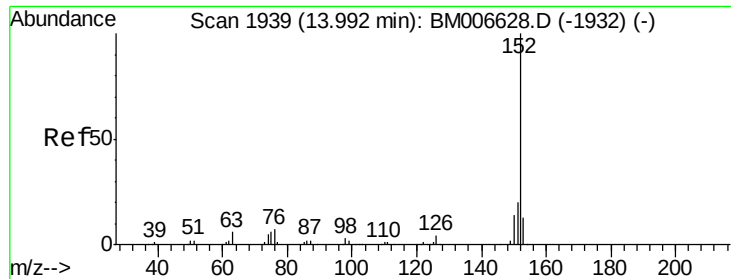
Instrument :
BNA_M
ClientSampleId :
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Manual Integrations

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7/25/2016 6:39:17 PM

Quant Time: Jul 23 01:13:46 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





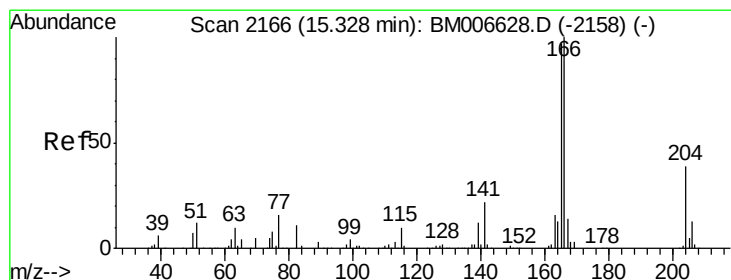
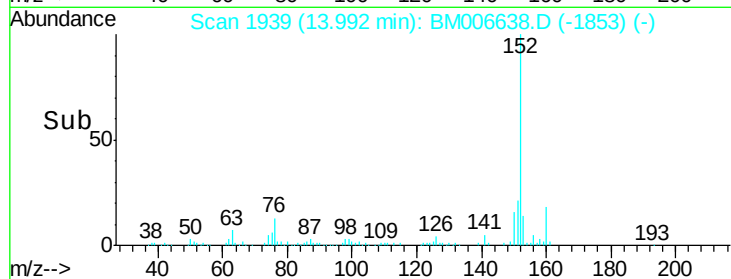
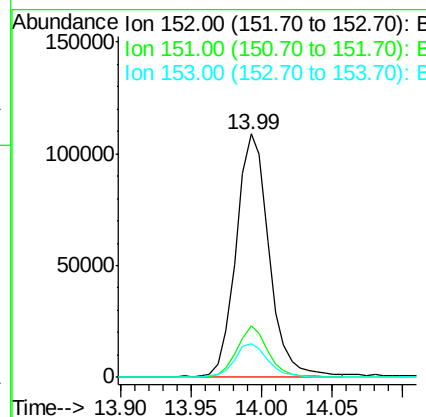
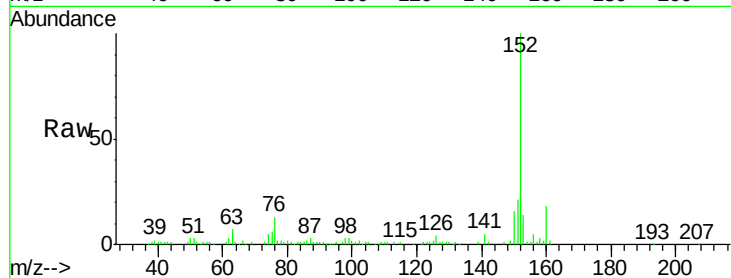
#18
Acenaphthylene
Concen: 3.57 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Instrument :
BNA_M
ClientSampleId :
D9YT5

Tgt Ion:	152	Resp:	176909
Ion Ratio	Lower	Upper	
152	100		
151	21.3	17.3	25.9
153	13.6	11.1	16.7

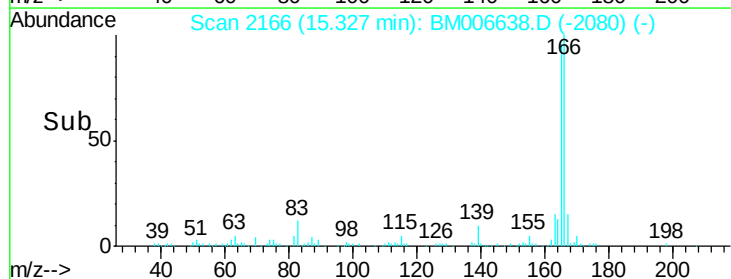
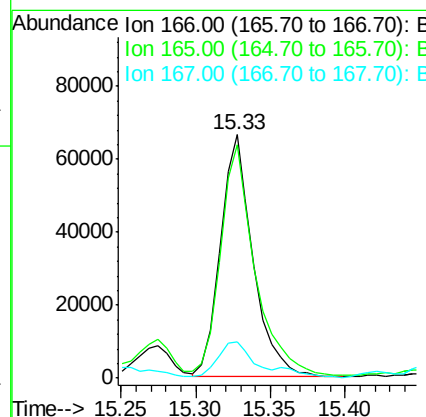
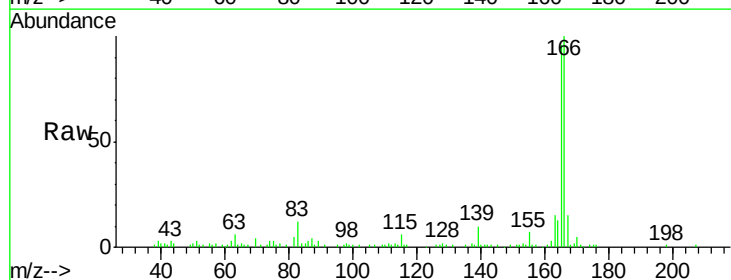
Manual Integrations

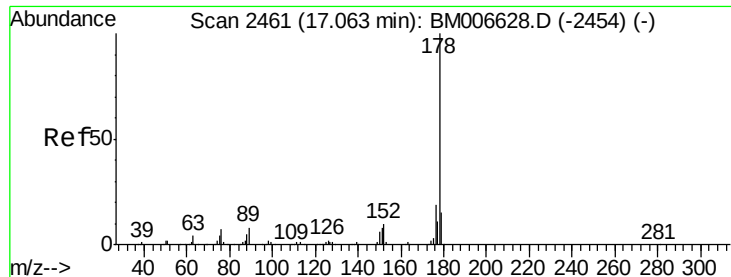
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#22
Fluorene
Concen: 2.82 ng/ul
RT: 15.33 min Scan# 2166
Delta R.T. 0.01 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Tgt Ion:	166	Resp:	101351
Ion Ratio	Lower	Upper	
166	100		
165	95.9	81.1	121.7
167	14.9	10.6	16.0





#25

Phenanthrene

Concen: 19.97 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

Instrument :

BNA_M

ClientSampled :

D9YT5

Tgt Ion:178 Resp: 1131692

Ion Ratio Lower Upper

178 100

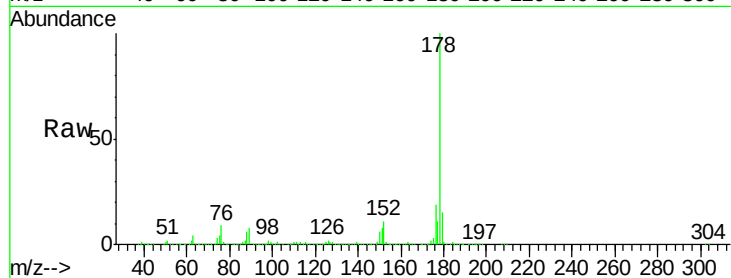
179 15.1 11.8 17.8

176 19.2 14.8 22.2

Manual Integrations

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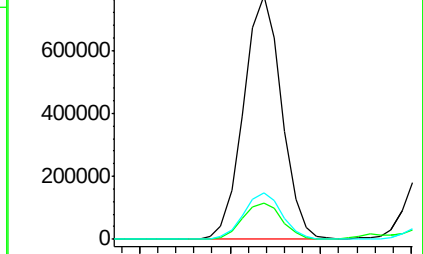
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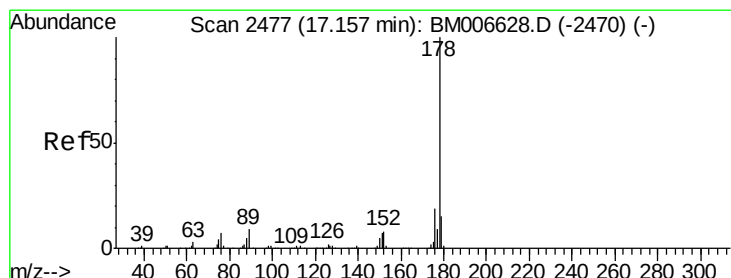
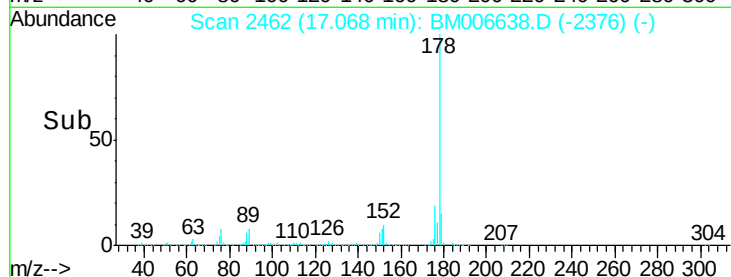
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#27

Anthracene

Concen: 6.14 ng/ul

RT: 17.16 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

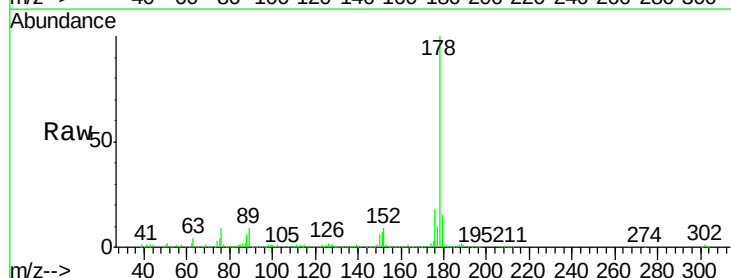
Tgt Ion:178 Resp: 358193

Ion Ratio Lower Upper

178 100

179 14.7 12.9 19.3

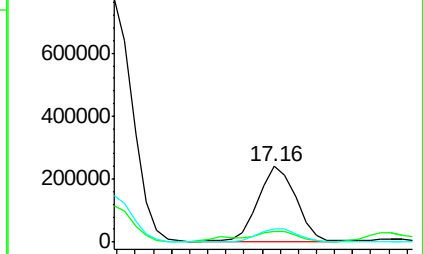
176 18.1 15.6 23.4



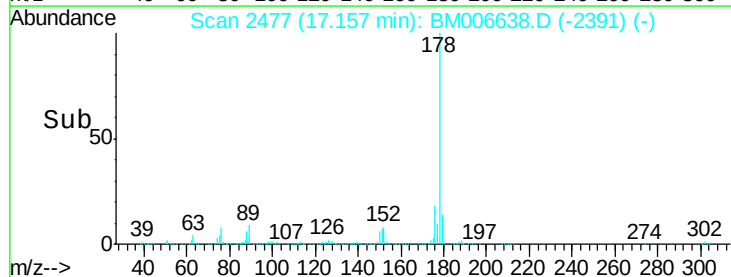
Abundance Ion 178.00 (177.70 to 178.70): E

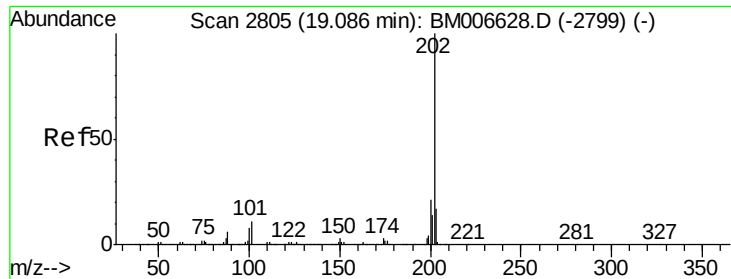
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#28

Fluoranthene

Concen: 24.04 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

Instrument :

BNA_M

ClientSampleId :

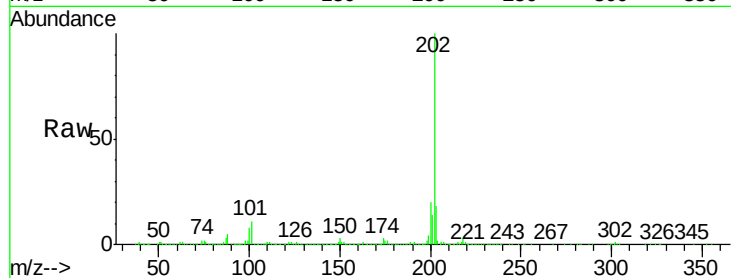
D9YT5

Tgt Ion:	202	Resp:	1601153
Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	8.2	7.0	10.4

Manual Integrations

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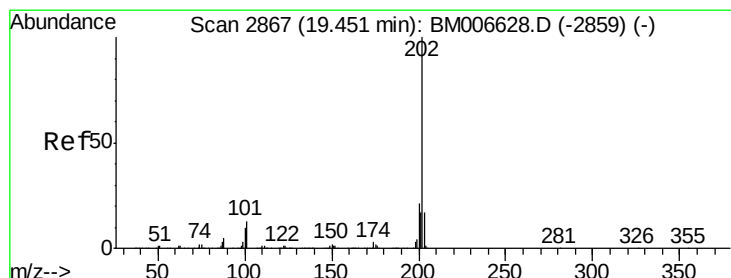
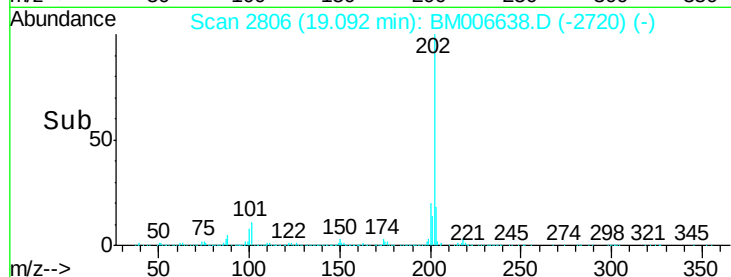
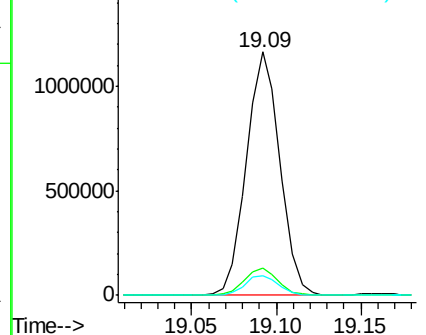
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#31

Pyrene

Concen: 20.59 ng/ul

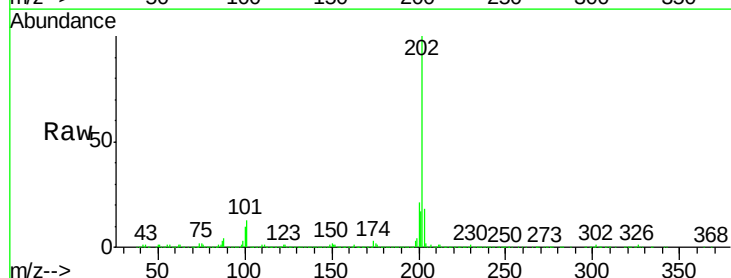
RT: 19.46 min Scan# 2868

Delta R.T. 0.01 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

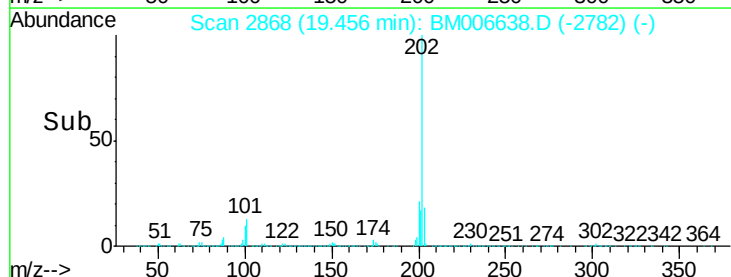
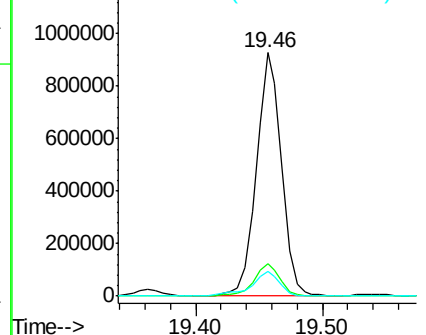
Tgt Ion:	202	Resp:	1274316
Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.8	14.8
100	10.1	9.3	13.9

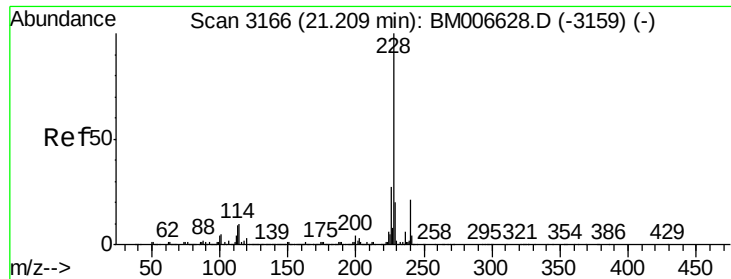


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#32

Benzo(a)anthracene

Concen: 14.56 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. 0.01 min

Lab File: BM006638.D

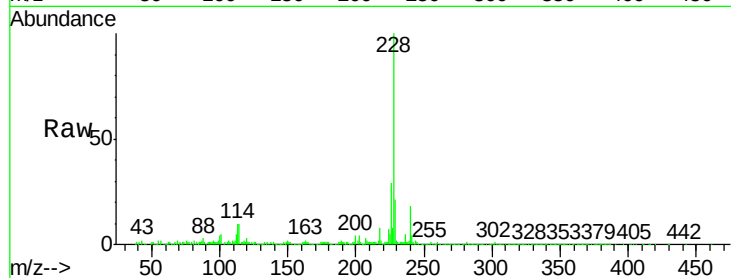
Acq: 22 Jul 2016 23:39

Instrument :

BNA_M

ClientSampleId :

D9YT5



Tgt Ion:228 Resp: 902068

Ion Ratio Lower Upper

228 100

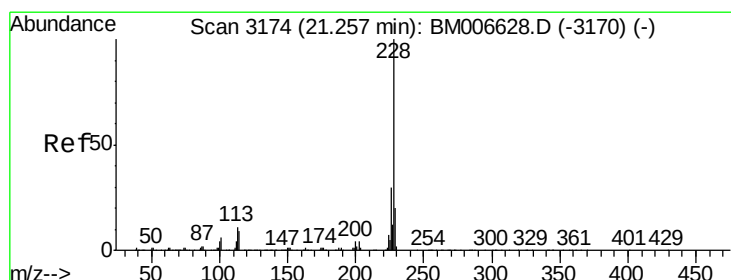
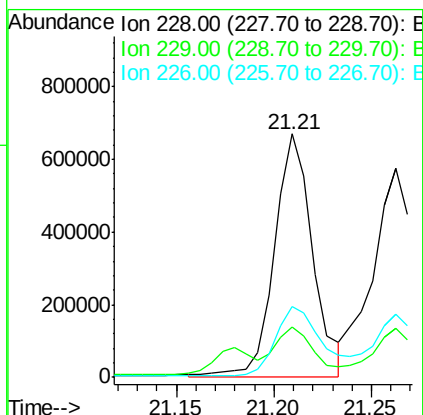
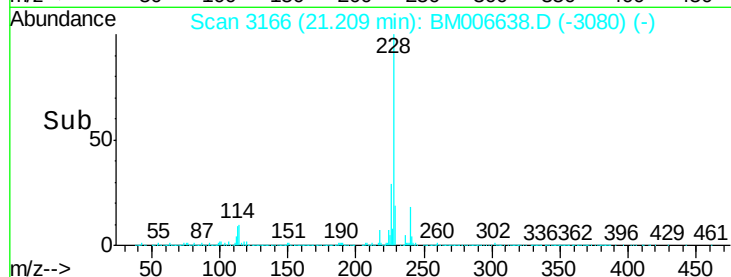
229 20.8 16.6 25.0

226 29.2 21.0 31.4

Manual Integrations

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#33

Chrysene

Concen: 14.54 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

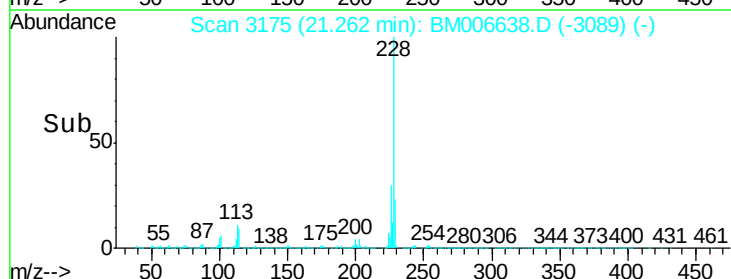
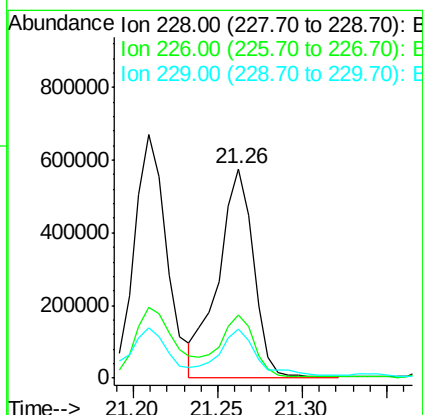
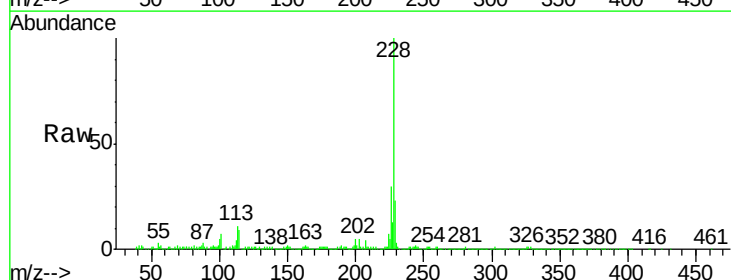
Tgt Ion:228 Resp: 830641

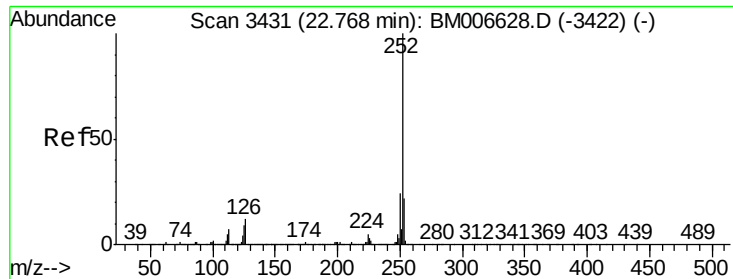
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 23.4 16.2 24.2





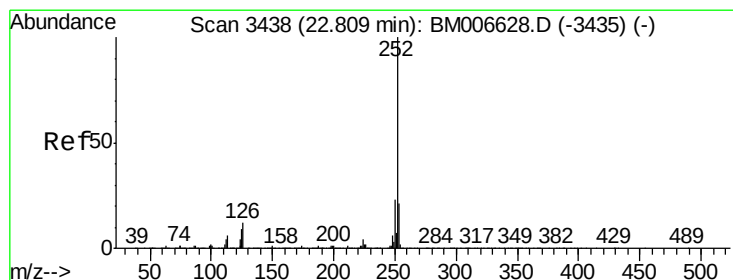
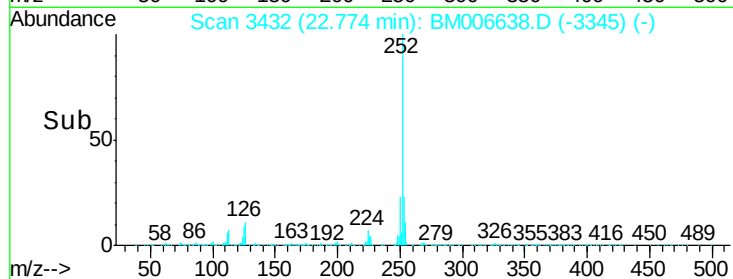
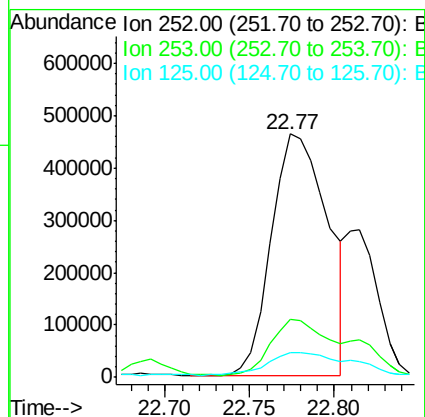
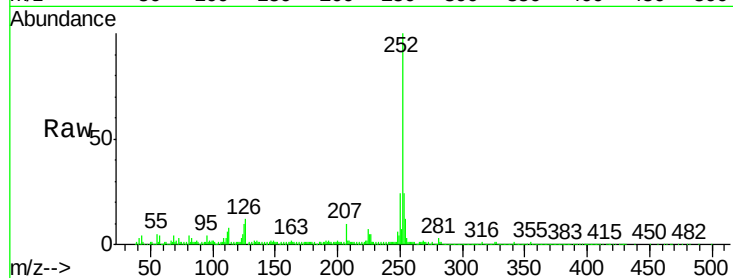
#35
Benzo(b)fluoranthene
Concen: 16.30 ng/ul
RT: 22.77 min Scan# 3432
Delta R.T. 0.01 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Instrument :
BNA_M
ClientSampleId :
D9YT5

Tgt Ion:252 Resp: 1068063
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 10.0 7.6 11.4

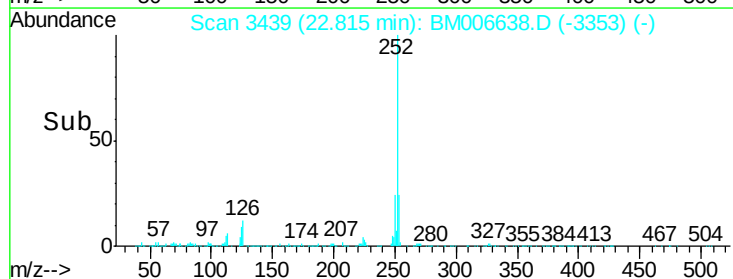
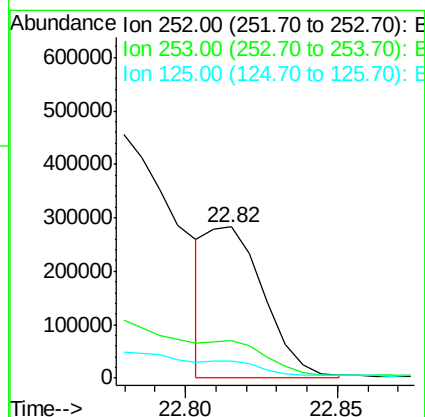
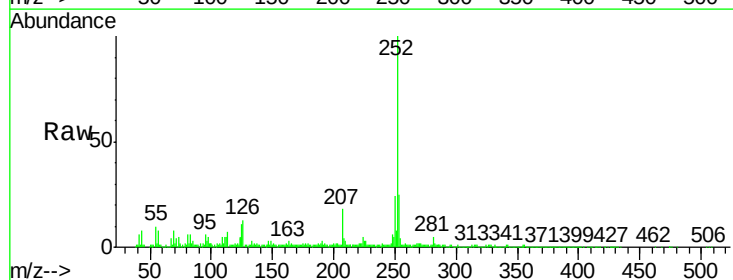
Manual Integrations

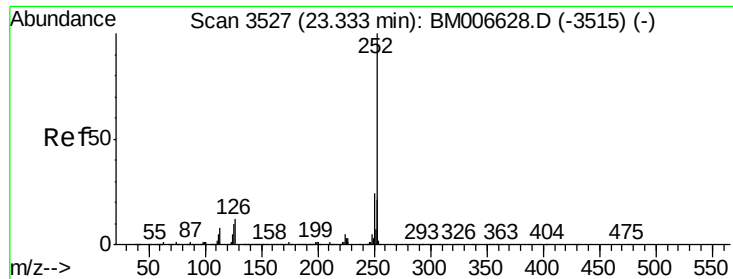
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#36
Benzo(k)fluoranthene
Concen: 5.80 ng/ul m
RT: 22.82 min Scan# 3439
Delta R.T. 0.01 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Tgt Ion:252 Resp: 367387
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 11.1 7.7 11.5





#38

Benzo(a)pyrene

Concen: 11.23 ng/ul

RT: 23.34 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BM006638.D

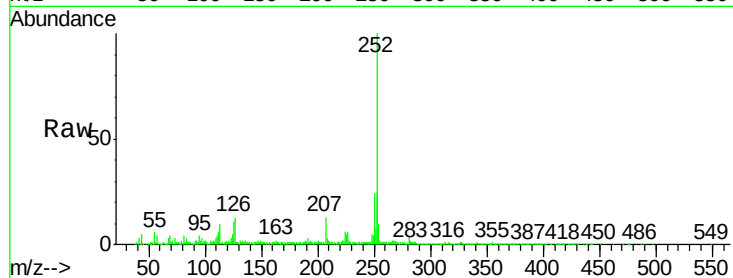
Acq: 22 Jul 2016 23:39

Instrument :

BNA_M

ClientSampled :

D9YT5

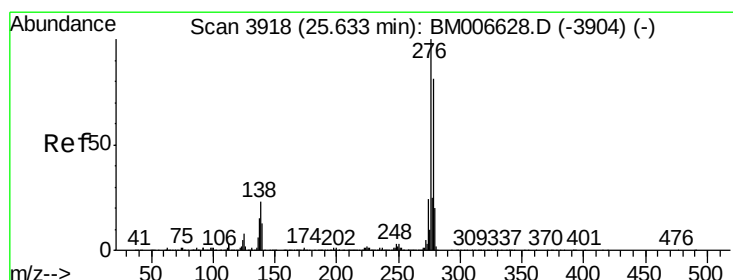
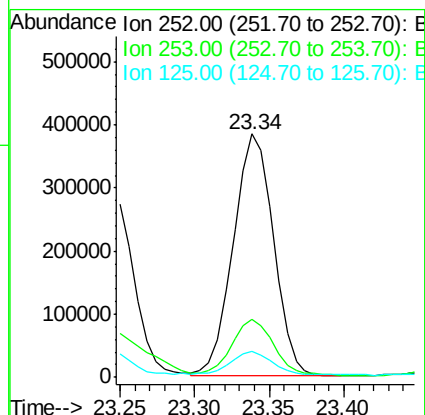
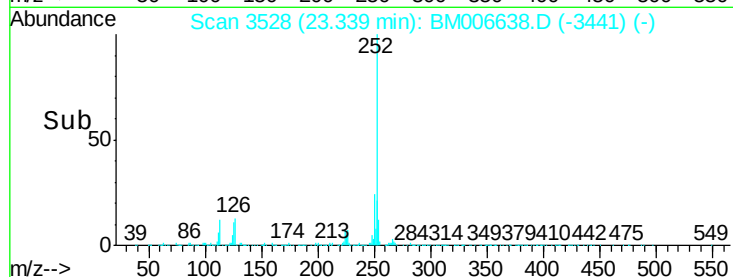


Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	10.9	8.2	12.2

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#39

Indeno(1,2,3-cd)pyrene

Concen: 6.65 ng/ul

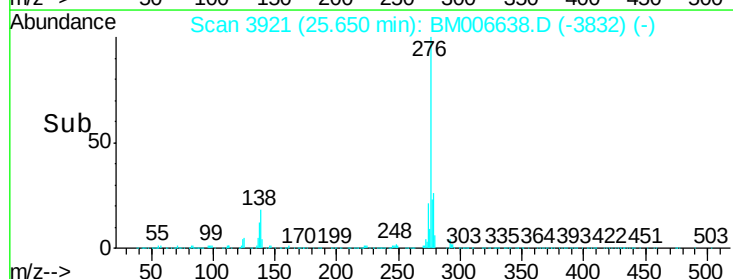
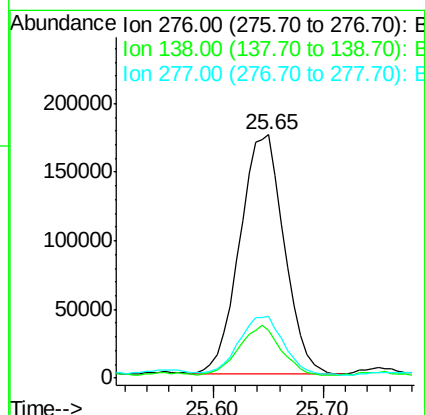
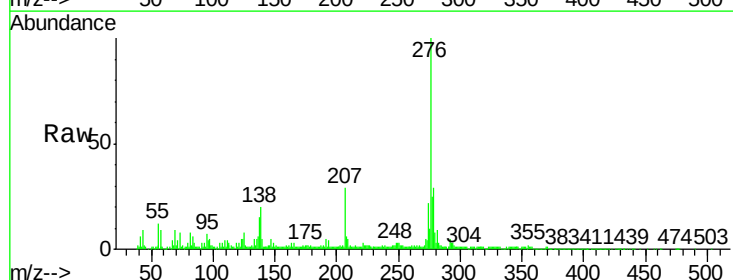
RT: 25.65 min Scan# 3921

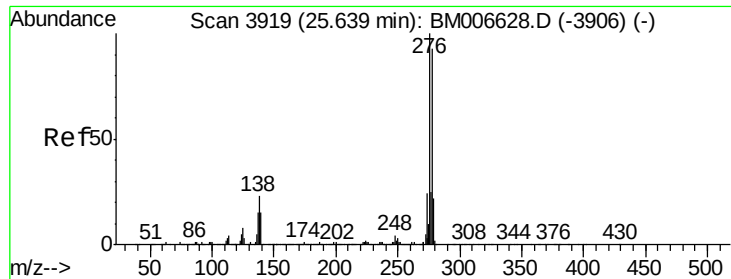
Delta R.T. 0.02 min

Lab File: BM006638.D

Acq: 22 Jul 2016 23:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	15.8	23.6
277	25.5	19.0	28.6





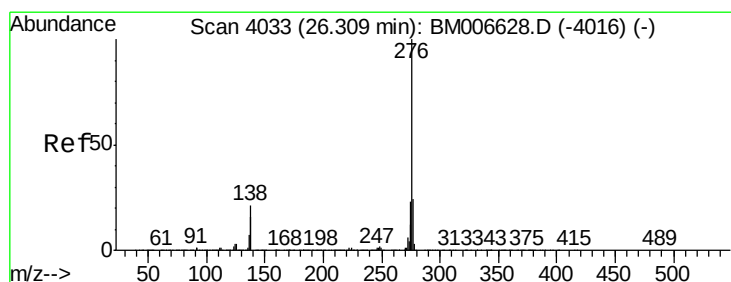
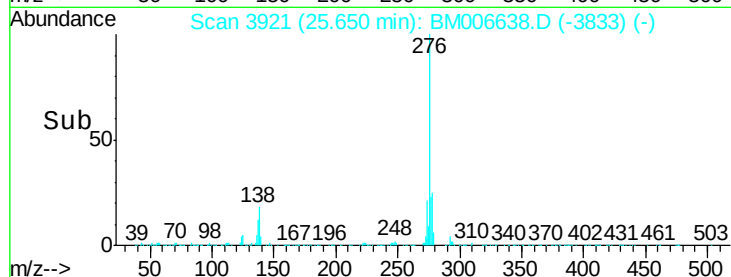
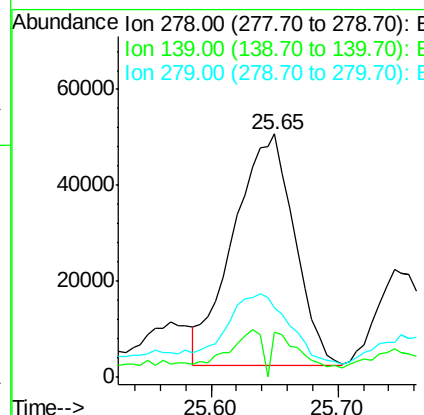
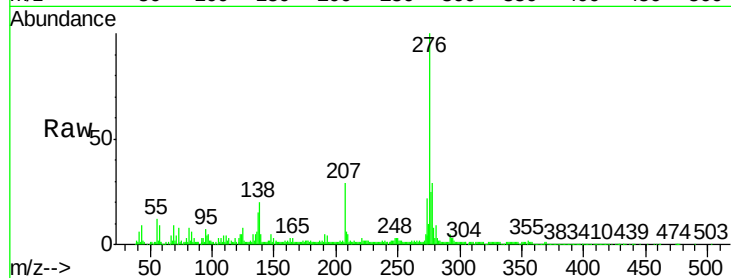
#40
Dibenzo(a,h)anthracene
Concen: 2.63 ng/ul
RT: 25.65 min Scan# 3921
Delta R.T. 0.02 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Instrument :
BNA_M
ClientSampleId :
D9YT5

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	12.1	18.1#
279	28.8	19.8	29.8

Manual Integrations

sohil
7/25/2016 6:39:17 PM



#41
Benzo(g,h,i)perylene
Concen: 7.16 ng/ul
RT: 26.33 min Scan# 4036
Delta R.T. 0.03 min
Lab File: BM006638.D
Acq: 22 Jul 2016 23:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	13.9	20.9
277	24.3	19.8	29.6

