

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
 Data File : BM006608.D
 Acq On : 22 Jul 2016 04:18
 Operator : UM/SJ
 Sample : H4078-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YS3

Manual Integrations

umangi
 7/22/2016 6:24:46 PM

Quant Time: Jul 22 07:47:04 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 22 01:56:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	163560	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	688917	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	366328	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	822239	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	959456	20.00	ng/ul	0.00
34) Perylene-d12	23.41	264	1033039	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7220	1.79	ng/uL	0.00
3) Phenol-d5	6.79	99	227483	16.35	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	163843	19.01	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	199360	17.93	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	148421	13.75	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	96256	18.46	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	103944	18.74	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	180398	17.21	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	163075	14.13	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	541716	18.86	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	698085	19.04	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	62260m	12.48	ng/ul	0.01
21) Fluorene-d10	15.26	176	480600	18.71	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	46103	10.80	ng/ul	0.00
26) Anthracene-d10	17.11	188	736237	18.86	ng/ul	0.00
30) Pyrene-d10	19.42	212	839805	19.21	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.27	264	908933	19.13	ng/ul	0.00

Target Compounds

						Ovalue
11) Naphthalene	10.44	128	39961	1.12	ng/ul	98
13) 2-Methylnaphthalene	12.06	142	27616	1.06	ng/ul	97
25) Phenanthrene	17.06	178	350555	7.58	ng/ul	99
27) Anthracene	17.14	178	69416	1.46	ng/ul	98
28) Fluoranthene	19.08	202	670879	12.35	ng/ul	98
31) Pyrene	19.44	202	578515	9.96	ng/ul	97
32) Benzo(a)anthracene	21.20	228	350490	6.03	ng/ul	97
33) Chrysene	21.25	228	374704	6.99	ng/ul	95
35) Benzo(b)fluoranthene	22.76	252	565925	9.14	ng/ul	99
36) Benzo(k)fluoranthene	22.80	252	166357m	2.78	ng/ul	
38) Benzo(a)pyrene	23.32	252	358092	5.94	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.60	276	276697	3.96	ng/ul	96
40) Dibenzo(a,h)anthracene	25.60	278	72627m	1.26	ng/ul	
41) Benzo(g,h,i)perylene	26.29	276	258886	4.33	ng/ul	98

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

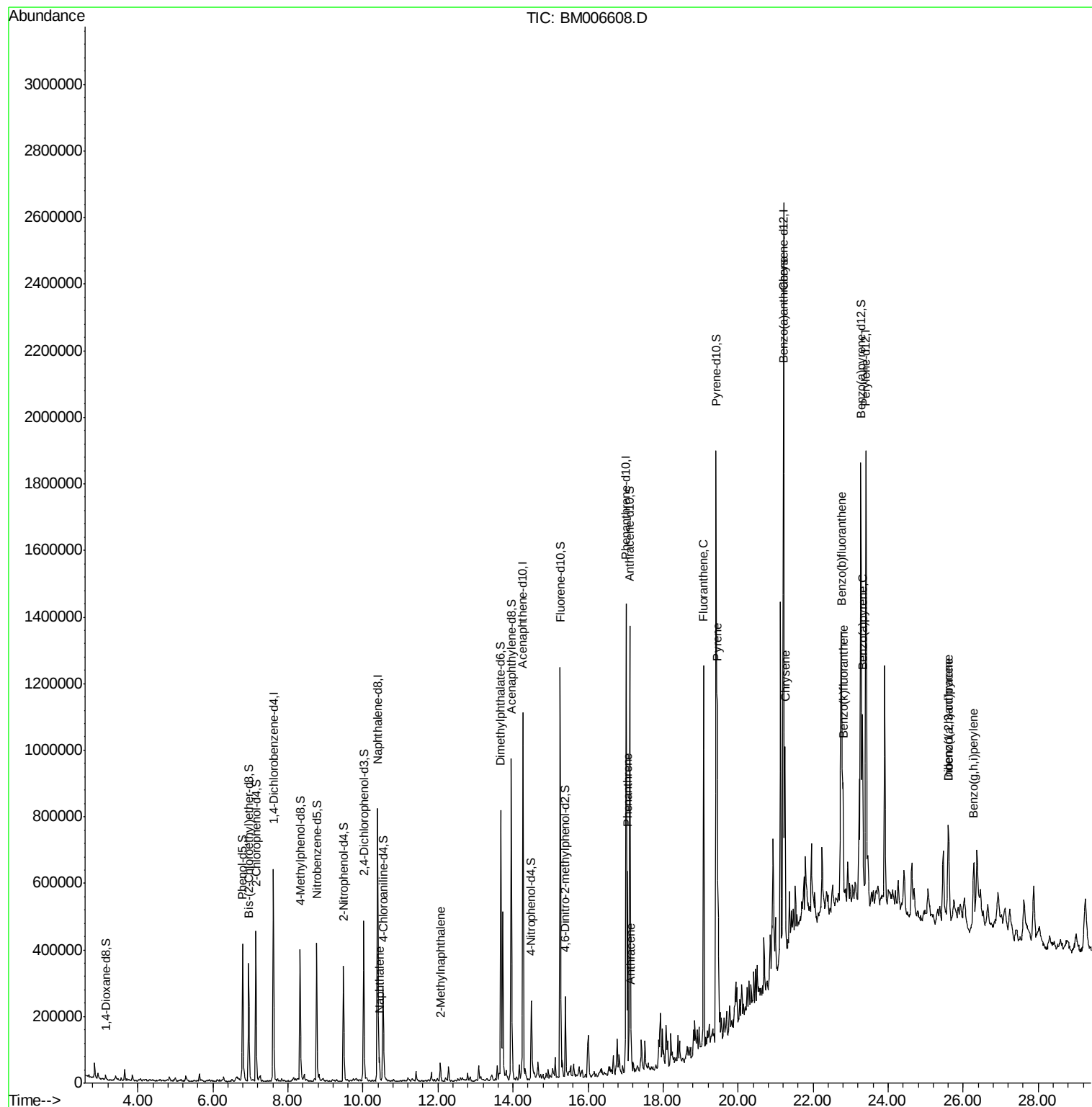
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072116\
Data File : BM006608.D
Acq On : 22 Jul 2016 04:18
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Sample : H4078-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

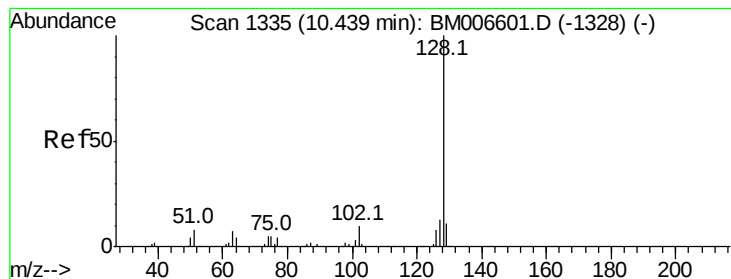
Instrument :
BNA_M
ClientSampleId :
D9YS3

Manual Integrations

Quant Time: Jul 22 07:47:04 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 22 01:56:00 2016
Response via : Initial Calibration

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#11

Naphthalene

Concen: 1.12 ng/ul

RT: 10.44 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

D9YS3

Tot Ion:128 Resp: 39961

Ion Ratio Lower Upper

128 100

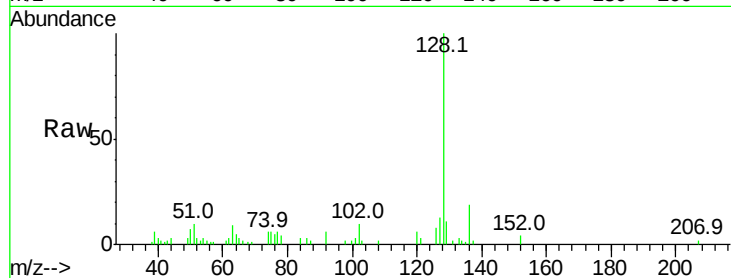
129 10.6 8.3 12.5

127 12.6 10.8 16.2

Manual Integrations

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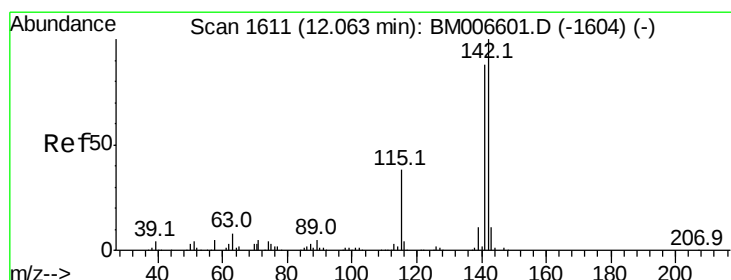
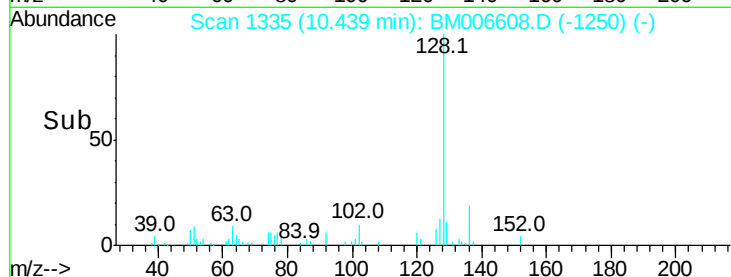
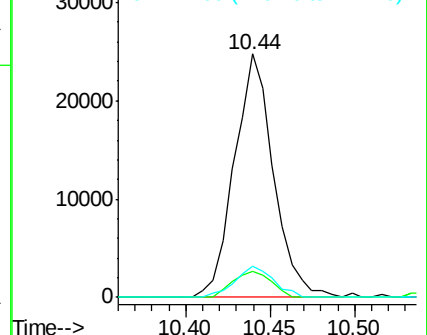
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 1.06 ng/ul

RT: 12.06 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BM006608.D

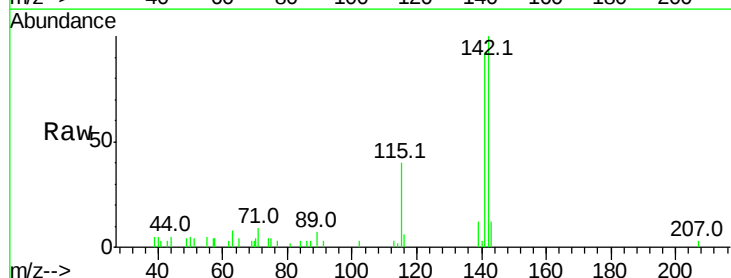
Acq: 22 Jul 2016 04:18

Tgt Ion:142 Resp: 27616

Ion Ratio Lower Upper

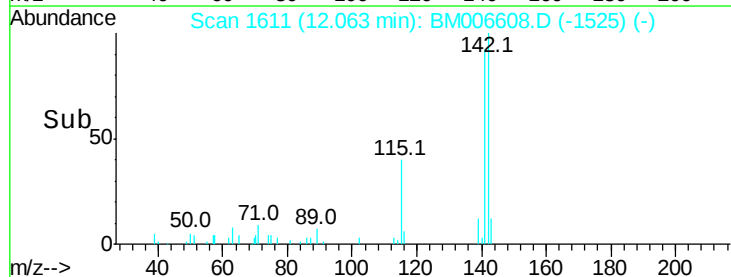
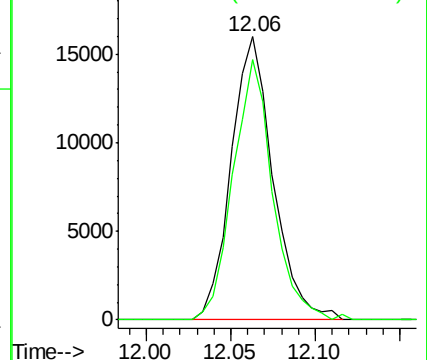
142 100

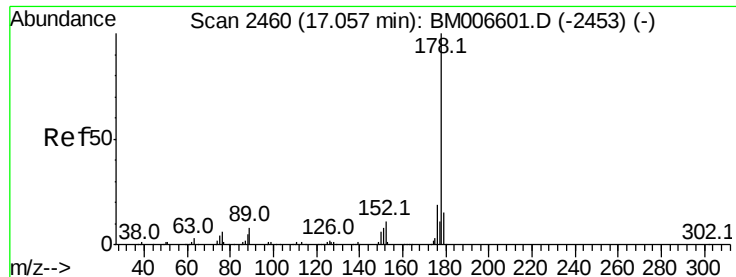
141 91.8 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#25

Phenanthrene

Concen: 7.58 ng/ul

RT: 17.06 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

D9YS3

Tot Ion:178 Resp: 350555

Ion Ratio Lower Upper

178 100

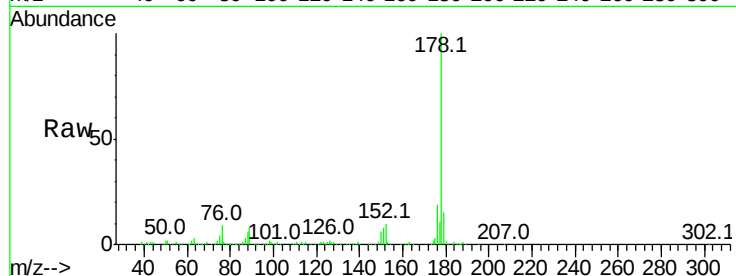
179 15.2 11.8 17.8

176 18.6 14.8 22.2

Manual Integrations

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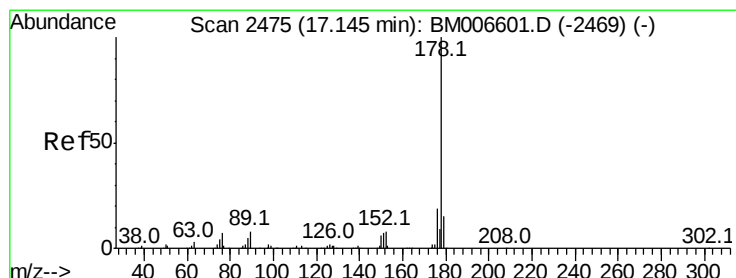
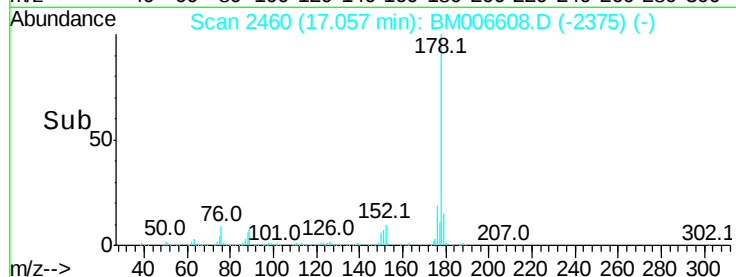
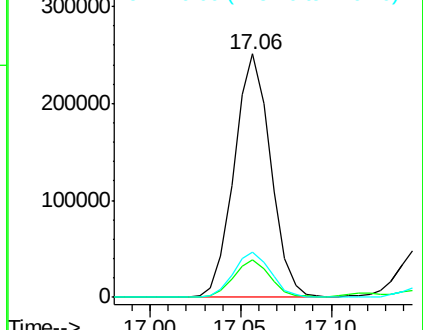
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#27

Anthracene

Concen: 1.46 ng/ul

RT: 17.14 min Scan# 2475

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

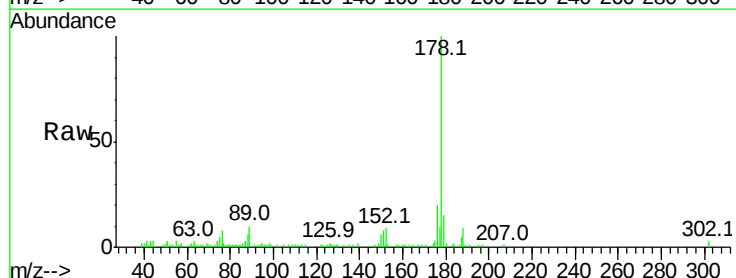
Tgt Ion:178 Resp: 69416

Ion Ratio Lower Upper

178 100

179 14.9 12.9 19.3

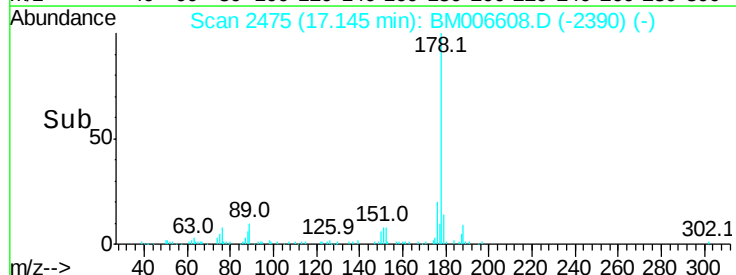
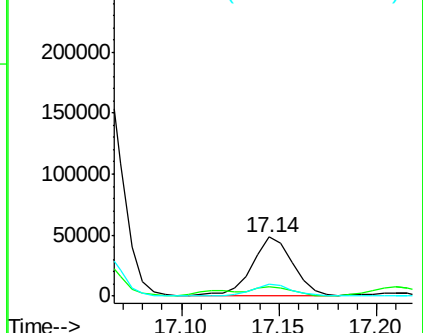
176 20.1 15.6 23.4

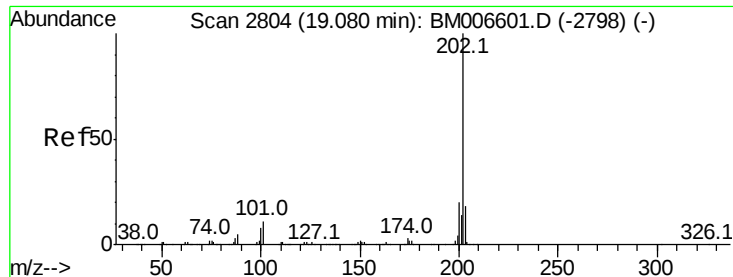


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 12.35 ng/ul

RT: 19.08 min Scan# 2804

Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Instrument :

BNA_M

ClientSampleId :

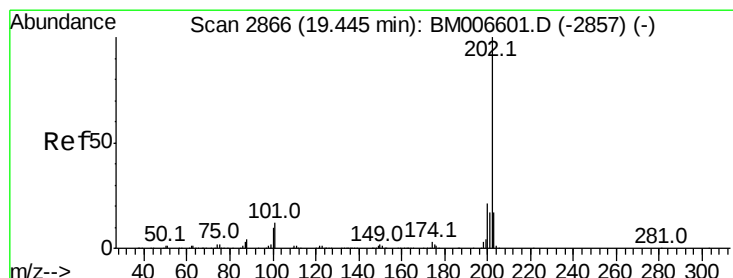
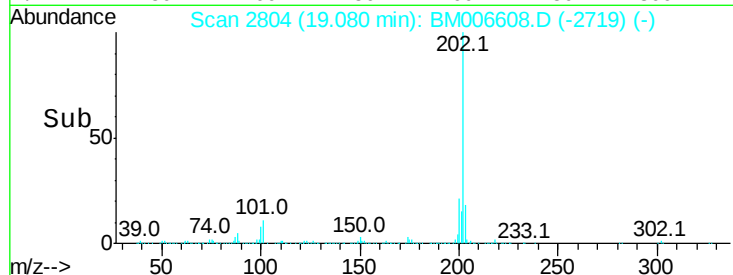
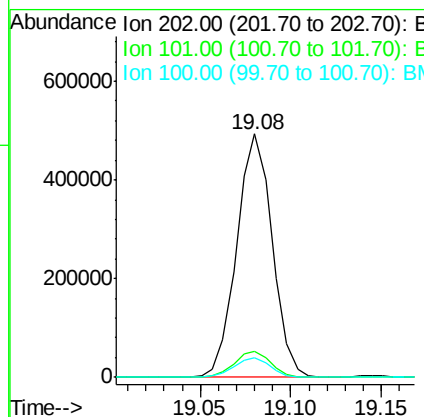
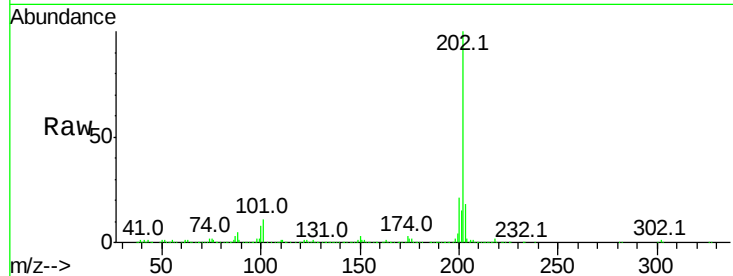
D9YS3

Tot Ion:	202	Resp:	670879
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.9	13.3
100	7.9	7.0	10.4

Manual Integrations

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#31

Pyrene

Concen: 9.96 ng/ul

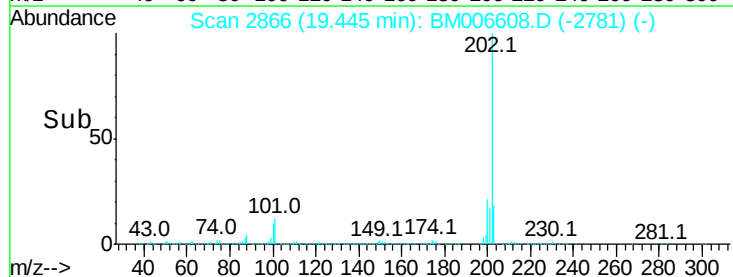
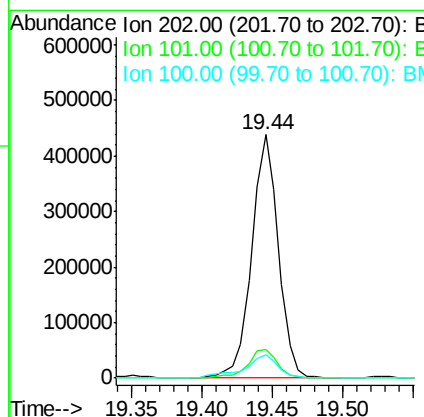
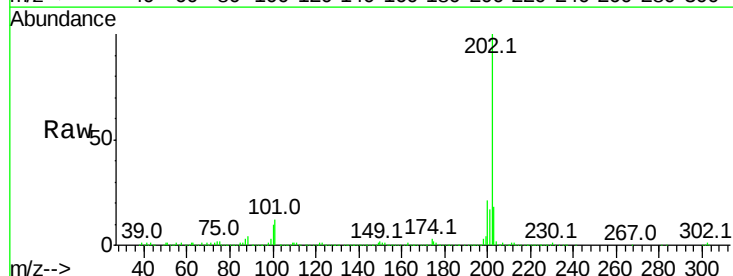
RT: 19.44 min Scan# 2866

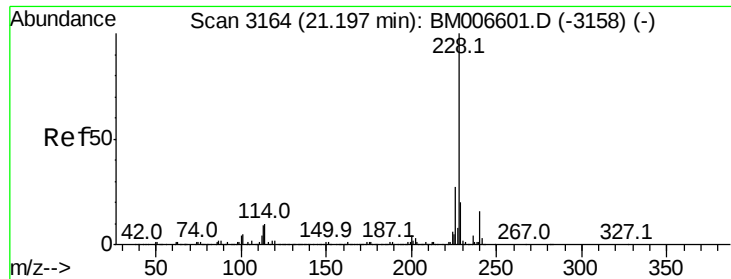
Delta R.T. 0.00 min

Lab File: BM006608.D

Acq: 22 Jul 2016 04:18

Tgt Ion:	202	Resp:	578515
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.8	14.8
100	9.5	9.3	13.9





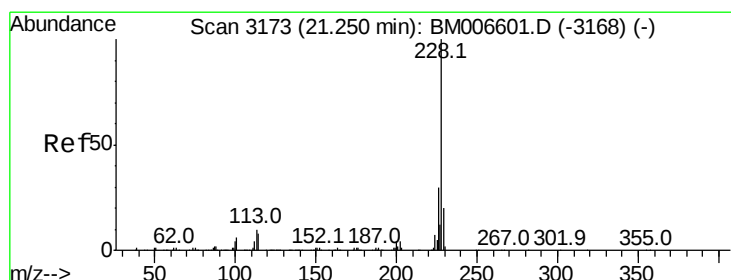
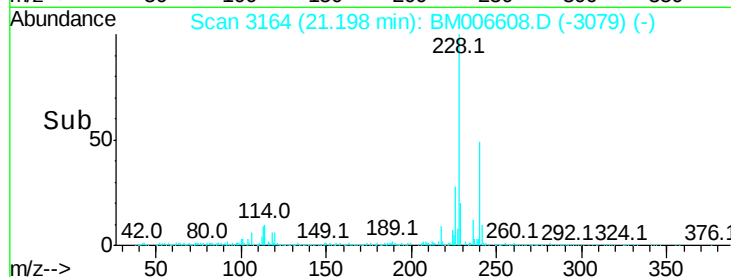
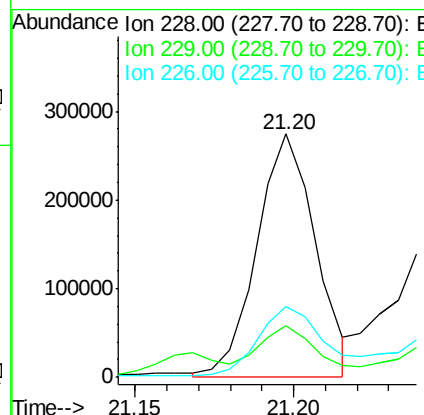
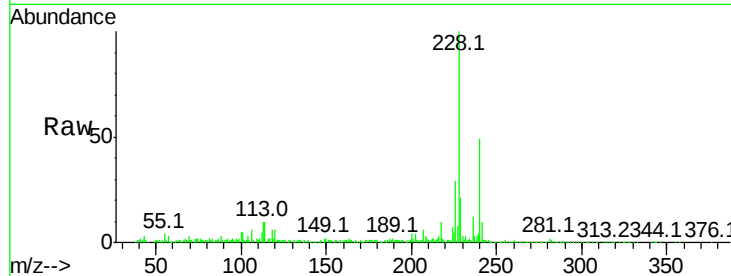
#32
Benzo(a)anthracene
Concen: 6.03 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Instrument :
BNA_M
ClientSampleId :
D9YS3

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	16.6	25.0
226	28.9	21.0	31.4

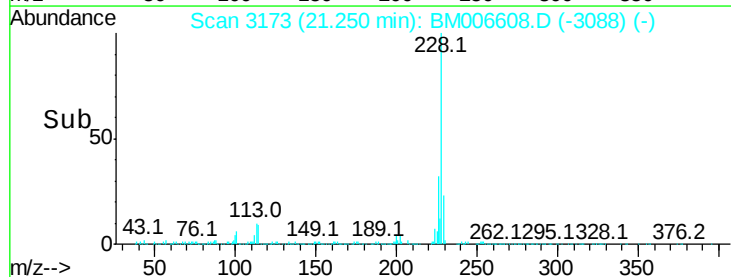
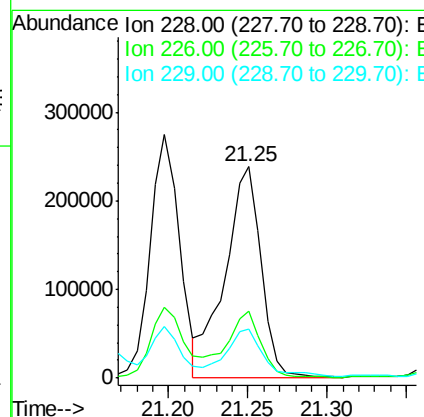
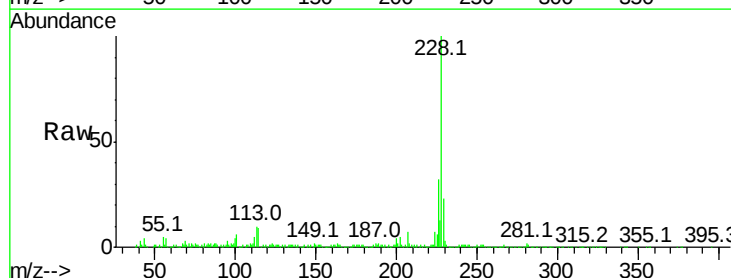
Manual Integrations

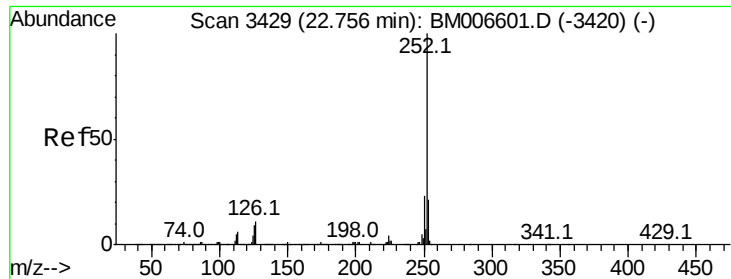
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#33
Chrysene
Concen: 6.99 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	23.2	16.2	24.2





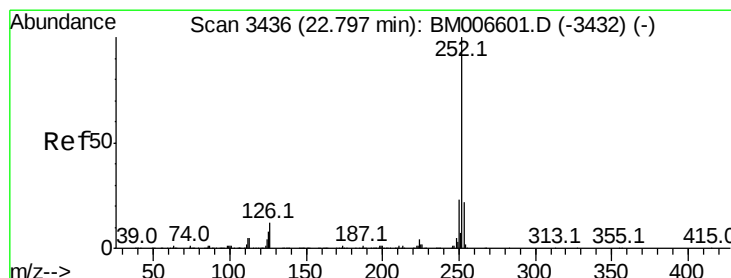
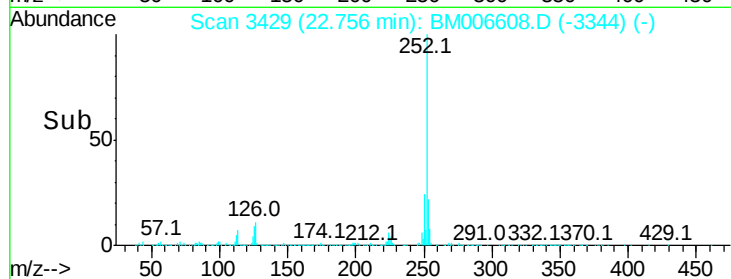
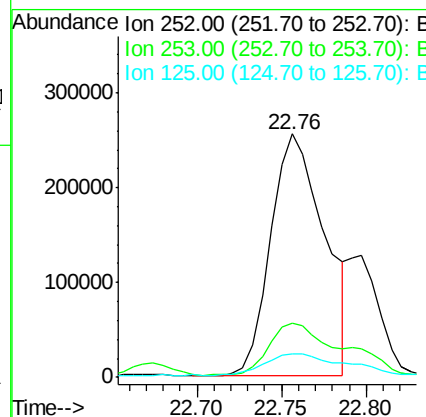
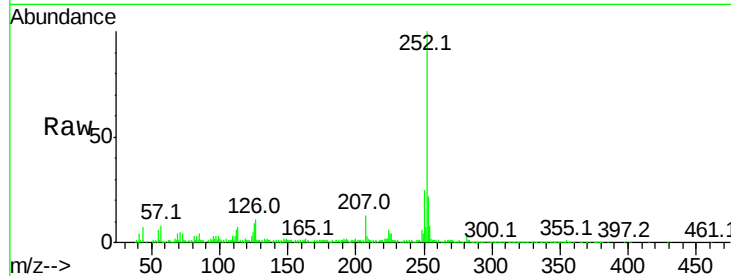
#35
Benzo(b)fluoranthene
Concen: 9.14 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Instrument :
BNA_M
ClientSampleId :
D9YS3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	9.4	7.6	11.4

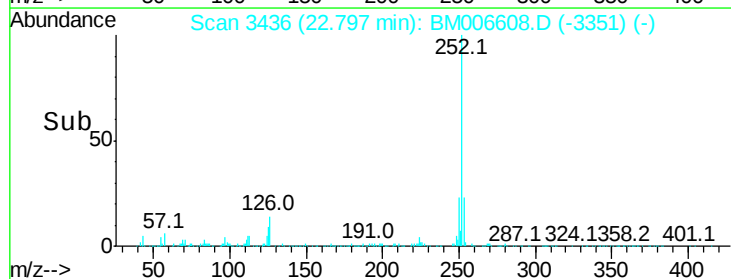
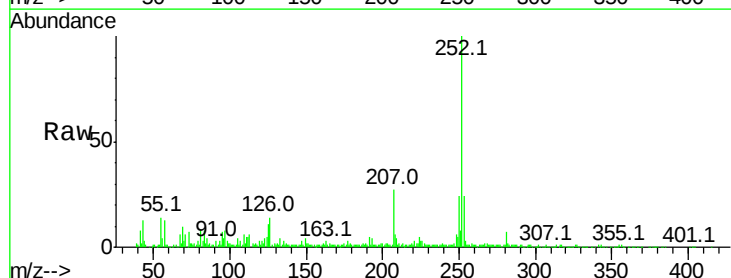
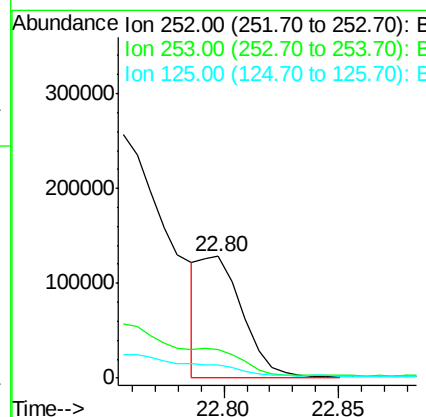
Manual Integrations

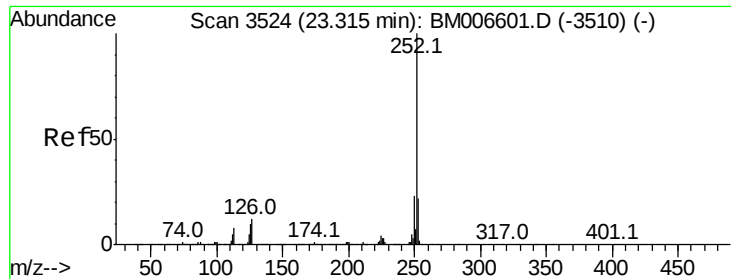
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#36
Benzo(k)fluoranthene
Concen: 2.78 ng/ul m
RT: 22.80 min Scan# 3436
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	10.8	7.7	11.5





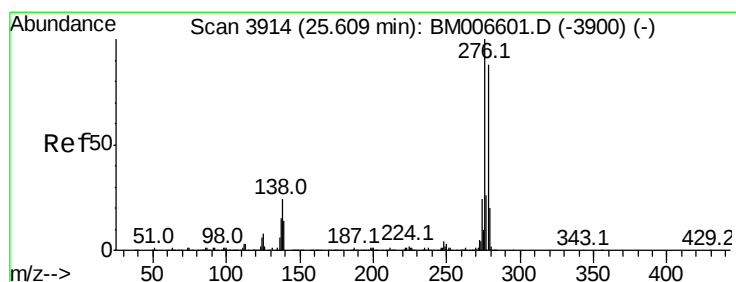
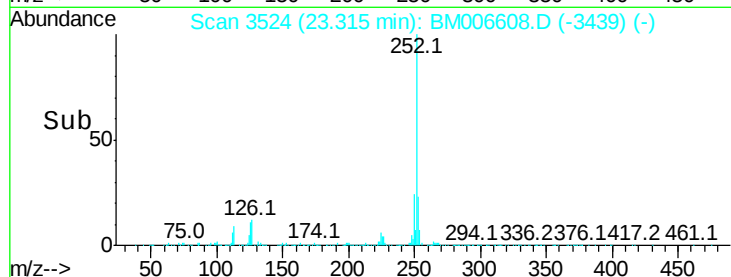
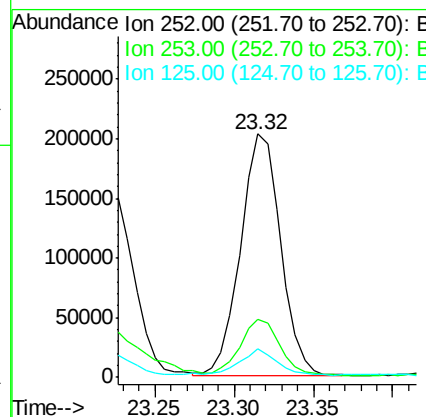
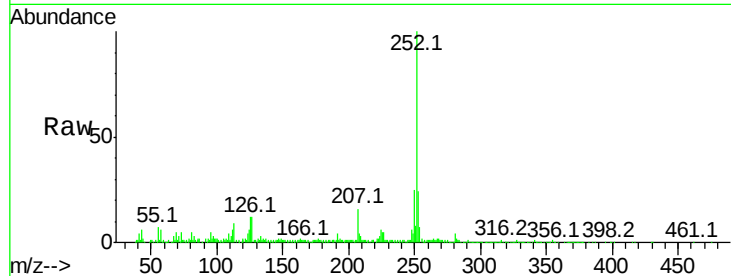
#38
Benzo(a)pyrene
Concen: 5.94 ng/ul
RT: 23.32 min Scan# 3524
Delta R.T. 0.00 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Instrument :
BNA_M
ClientSampleId :
D9YS3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	11.6	8.2	12.2

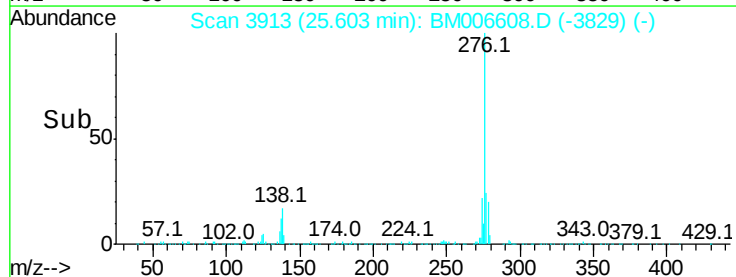
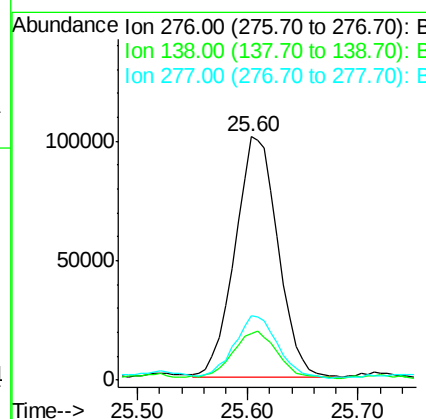
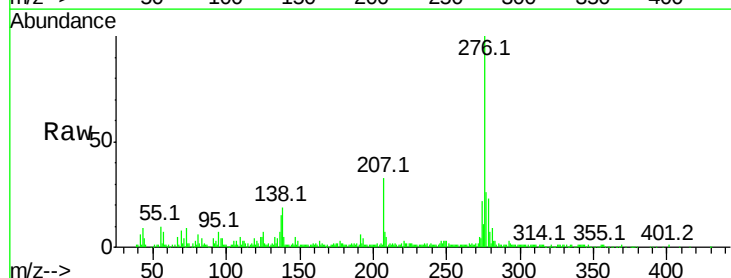
Manual Integrations

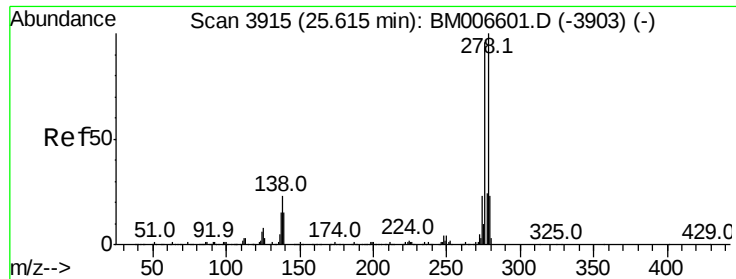
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#39
Indeno(1,2,3-cd)pyrene
Concen: 3.96 ng/ul
RT: 25.60 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.8	23.6
277	26.4	19.0	28.6





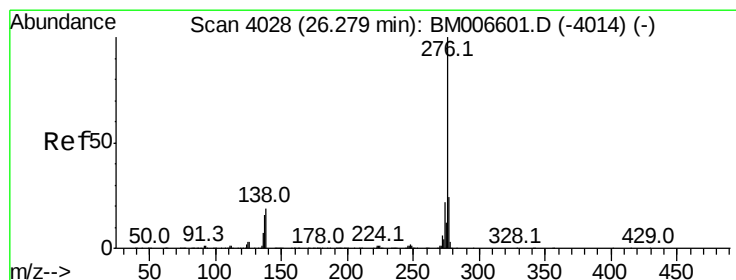
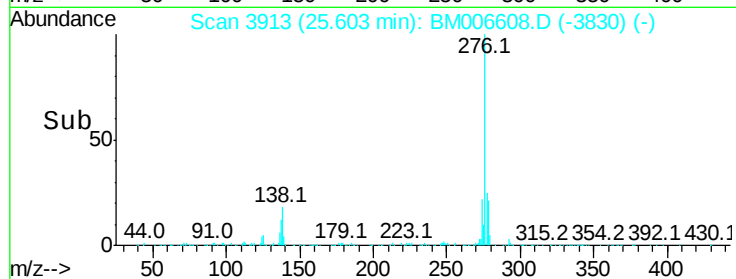
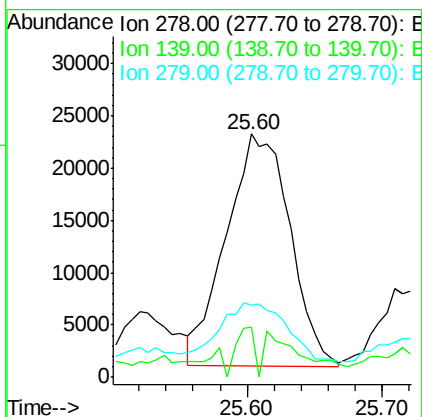
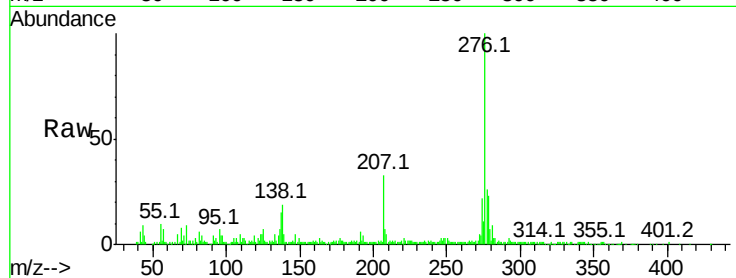
#40
Dibenzo(a,h)anthracene
Concen: 1.26 ng/ul m
RT: 25.60 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Instrument :
BNA_M
ClientSampleId :
D9YS3

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	12.1	18.1#
279	29.5	19.8	29.8

Manual Integrations

umangi
7/22/2016 6:24:46 PM



#41
Benzo(g,h,i)perylene
Concen: 4.33 ng/ul
RT: 26.29 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BM006608.D
Acq: 22 Jul 2016 04:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	13.9	20.9
277	24.7	19.8	29.6

