

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006637.D
 Acq On : 22 Jul 2016 23:01
 Operator : UM/SJ
 Sample : H4077-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YT1

Manual Integrations

sohil
 7/25/2016 6:39:14 PM

Quant Time: Jul 23 01:10:58 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	220883	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	980390	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	541017	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1170478	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1142844	20.00	ng/ul	0.00
34) Perylene-d12	23.44	264	1240282	20.00	ng/ul	0.02

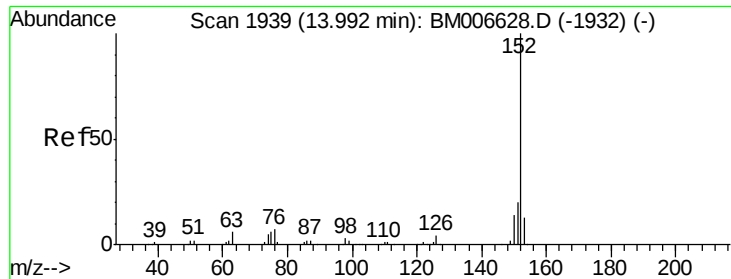
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	10653	1.95	ng/uL	0.00
3) Phenol-d5	6.80	99	453146	24.11	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	282067	24.23	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	354938	23.64	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	341001	23.40	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	176058	23.72	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	185611	23.52	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	339368	22.76	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	391877	23.86	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	988271	23.30	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1281536	23.67	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	146065	19.83	ng/ul	0.02
21) Fluorene-d10	15.27	176	889476	23.45	ng/ul	0.01
24) 4,6-Dinitro-2-methylphenol	15.42	200	34531	5.68	ng/ul	0.01
26) Anthracene-d10	17.12	188	1362428	24.51	ng/ul	0.00
30) Pyrene-d10	19.43	212	1449741	27.84	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1428493	25.04	ng/ul	0.02

Target Compounds

						Qvalue
18) Acenaphthylene	13.99	152	324361	5.59	ng/ul	96
25) Phenanthrene	17.07	178	377398	5.73	ng/ul	100
27) Anthracene	17.16	178	394872	5.83	ng/ul	99
28) Fluoranthene	19.09	202	1092281	14.12	ng/ul	100
31) Pyrene	19.46	202	1283386	18.55	ng/ul	98
32) Benzo(a)anthracene	21.21	228	1073012	15.49	ng/ul	94
33) Chrysene	21.26	228	1162521	18.20	ng/ul	97
35) Benzo(b)fluoranthene	22.79	252	3087352	41.53	ng/ul	100
36) Benzo(k)fluoranthene	22.82	252	1043965m	14.52	ng/ul	
38) Benzo(a)pyrene	23.34	252	1658608	22.92	ng/ul	96
39) Indeno(1,2,3-cd)pyrene	25.66	276	1443502	17.22	ng/ul	98
40) Dibenzo(a,h)anthracene	25.65	278	439712m	6.33	ng/ul	
41) Benzo(g,h,i)perylene	26.34	276	1157466	16.11	ng/ul	97

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



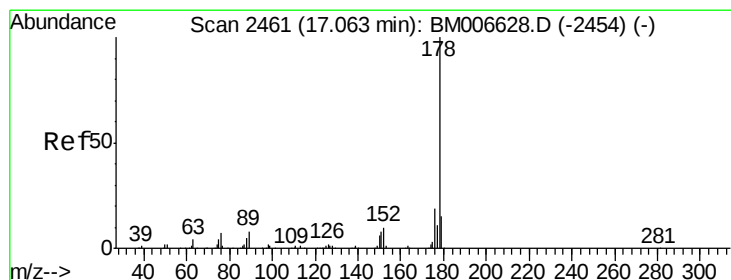
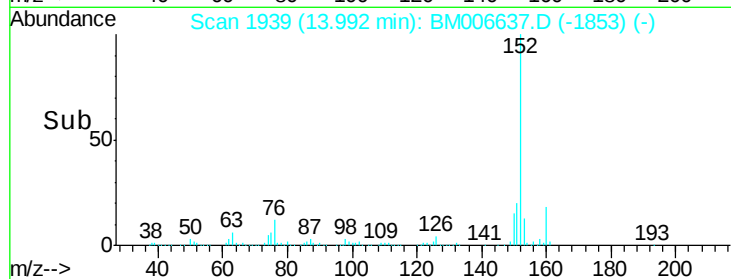
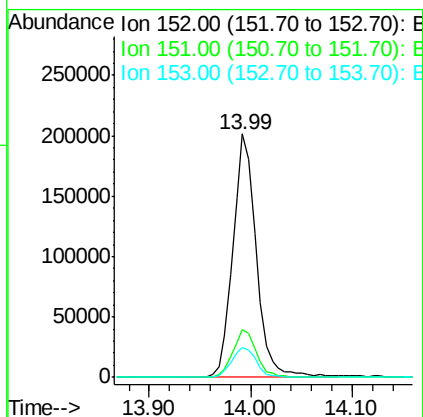
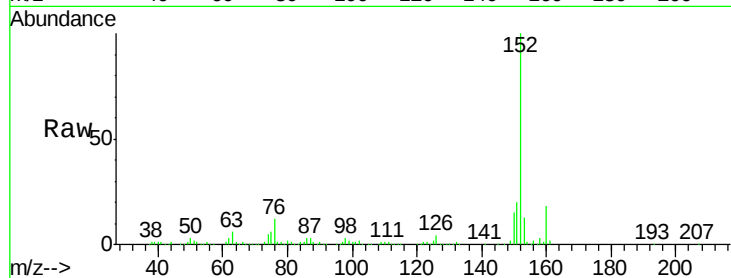
#18
Acenaphthylene
Concen: 5.59 ng/ul
RT: 13.99 min Scan# 1939
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampled :
D9YT1

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	17.3	25.9
153	12.5	11.1	16.7

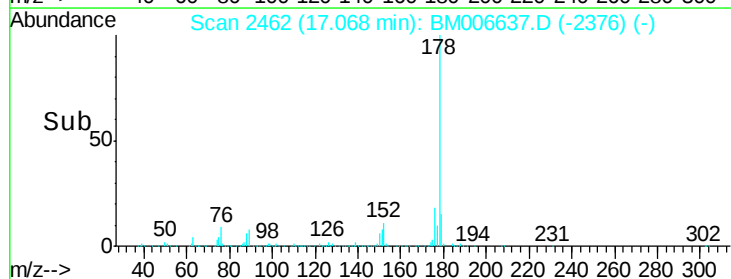
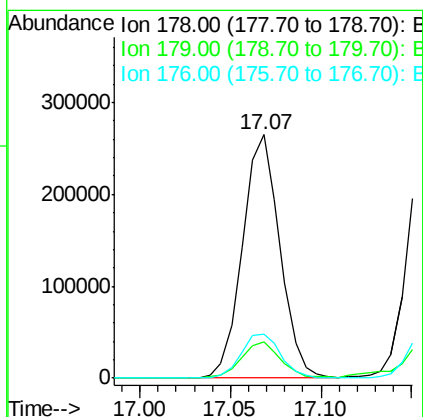
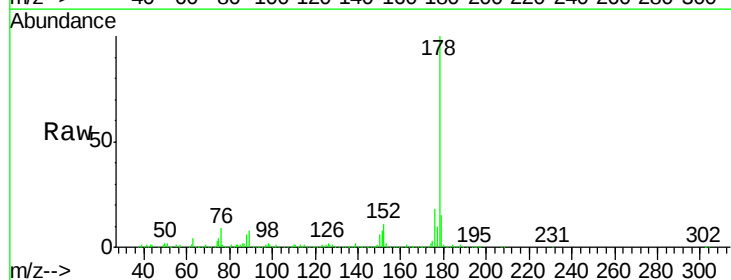
Manual Integrations

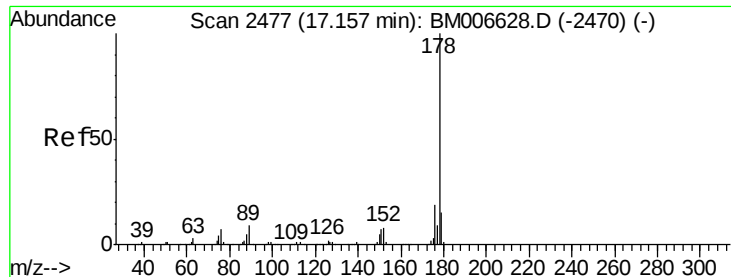
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#25
Phenanthrene
Concen: 5.73 ng/ul
RT: 17.07 min Scan# 2462
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.8	17.8
176	18.3	14.8	22.2





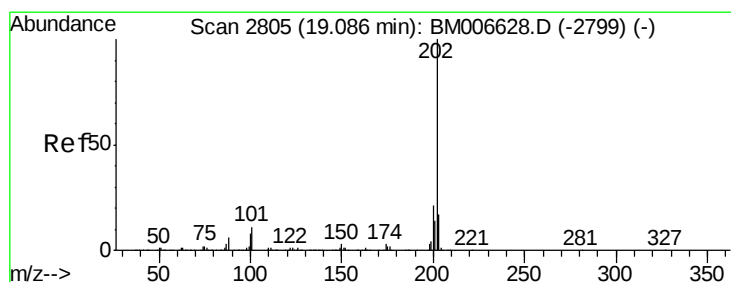
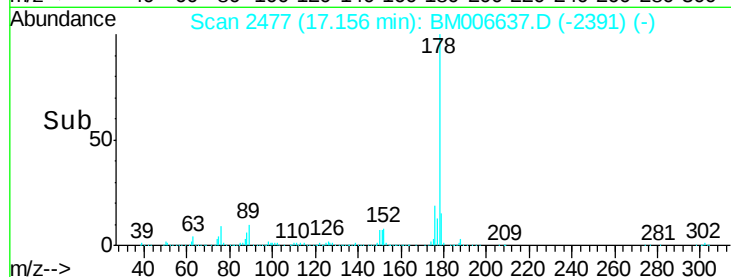
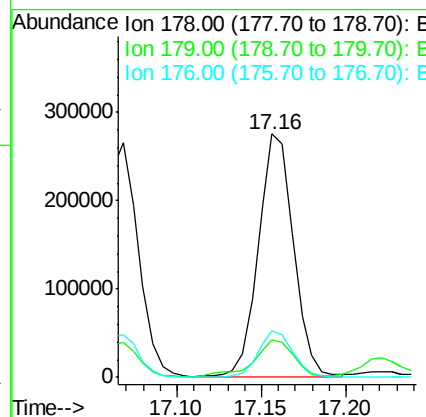
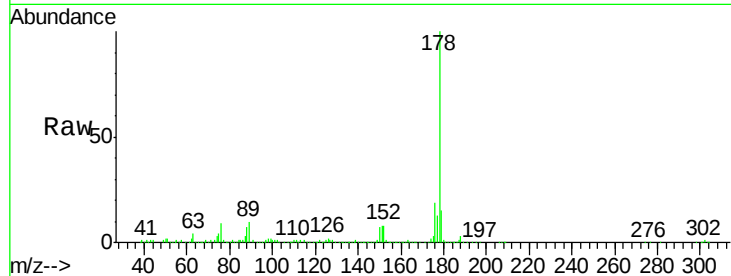
#27
 Anthracene
 Concen: 5.83 ng/ul
 RT: 17.16 min Scan# 2477
 Delta R.T. 0.01 min
 Lab File: BM006637.D
 Acq: 22 Jul 2016 23:01

Instrument :
 BNA_M
 ClientSampleId :
 D9YT1

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.9	19.3
176	19.1	15.6	23.4

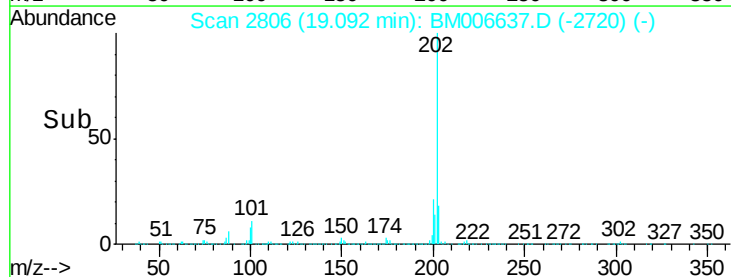
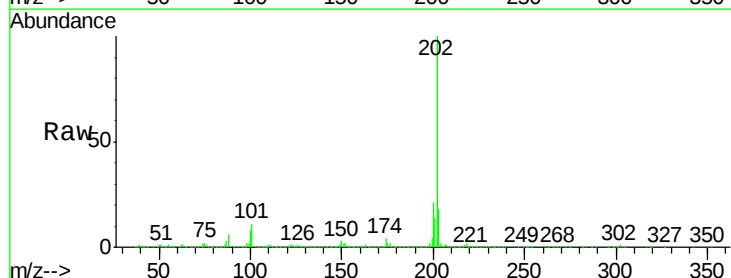
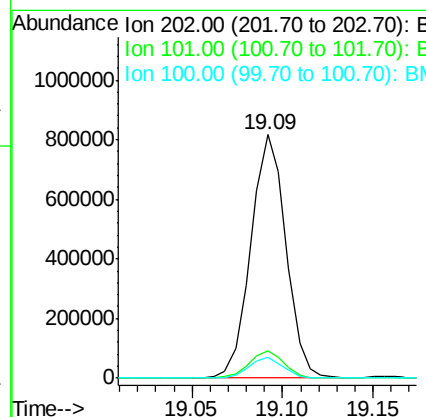
Manual Integrations

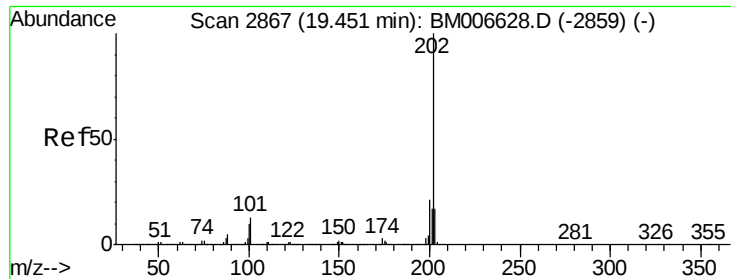
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#28
 Fluoranthene
 Concen: 14.12 ng/ul
 RT: 19.09 min Scan# 2806
 Delta R.T. 0.01 min
 Lab File: BM006637.D
 Acq: 22 Jul 2016 23:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	8.4	7.0	10.4





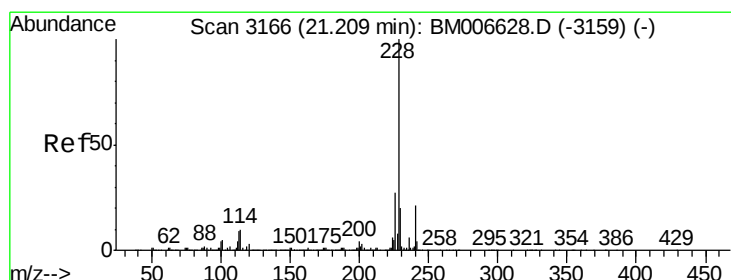
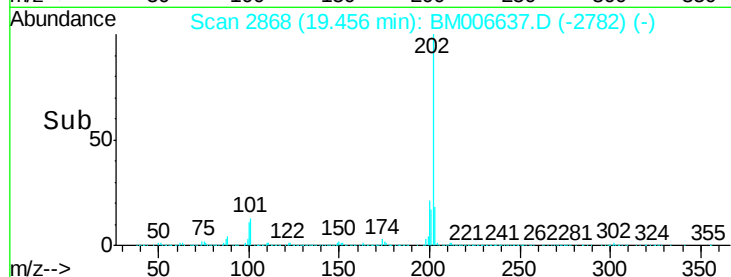
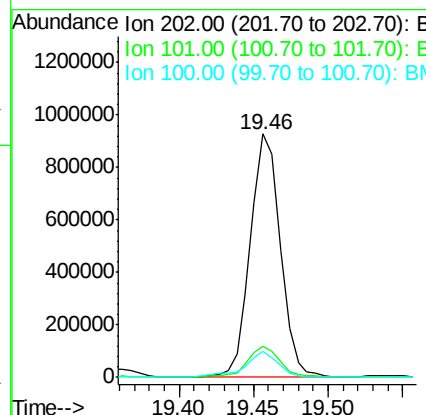
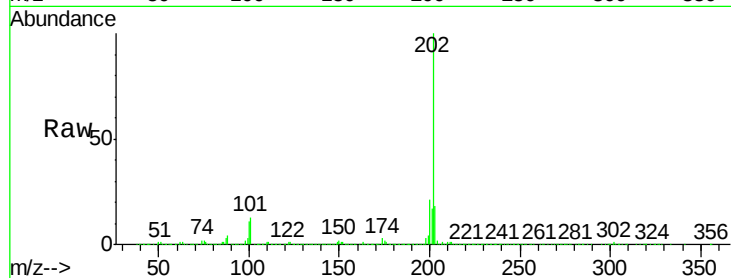
#31
 Pyrene
 Concen: 18.55 ng/ul
 RT: 19.46 min Scan# 2868
 Delta R.T. 0.01 min
 Lab File: BM006637.D
 Acq: 22 Jul 2016 23:01

Instrument :
 BNA_M
 ClientSampleId :
 D9YT1

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	9.8	14.8
100	10.6	9.3	13.9

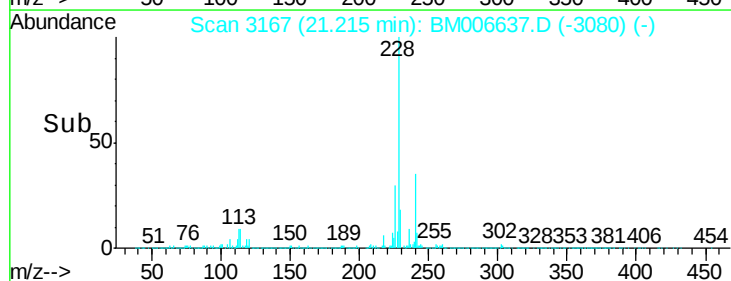
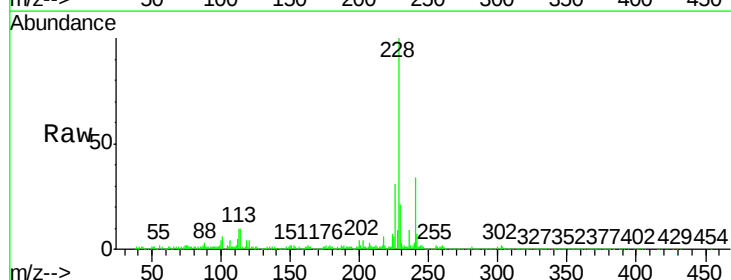
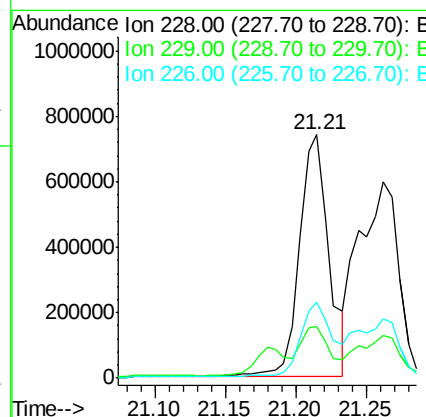
Manual Integrations

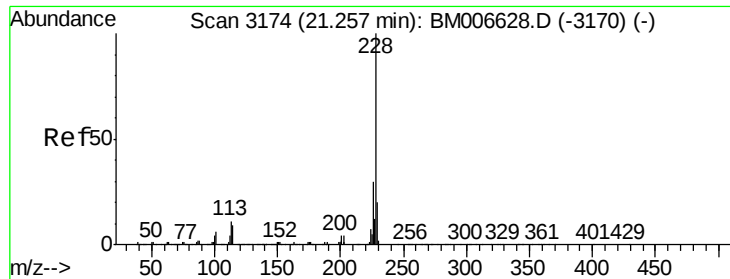
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#32
 Benzo(a)anthracene
 Concen: 15.49 ng/ul
 RT: 21.21 min Scan# 3167
 Delta R.T. 0.01 min
 Lab File: BM006637.D
 Acq: 22 Jul 2016 23:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.6	25.0
226	31.0	21.0	31.4





#33

Chrysene

Concen: 18.20 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006637.D

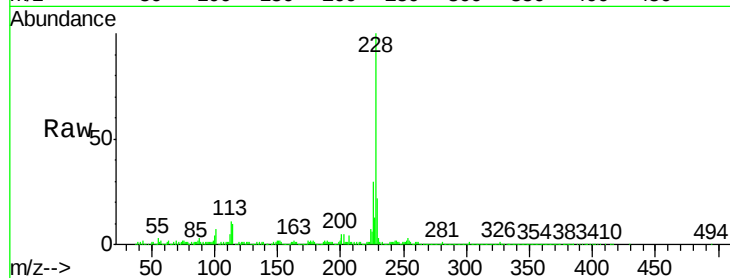
Acq: 22 Jul 2016 23:01

Instrument :

BNA_M

ClientSampleId :

D9YT1



Tgt Ion:228 Resp: 1162521

Ion Ratio Lower Upper

228 100

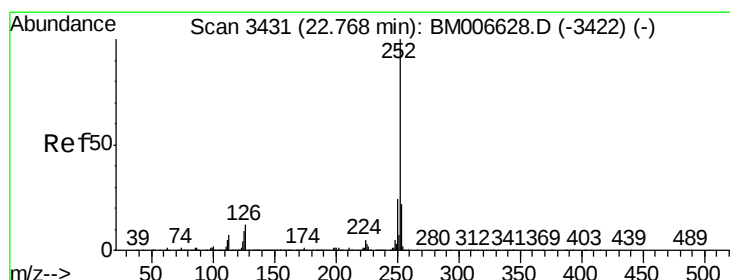
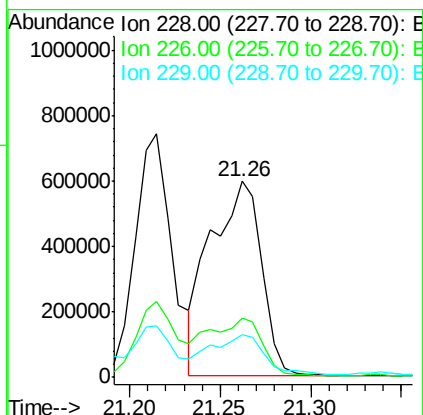
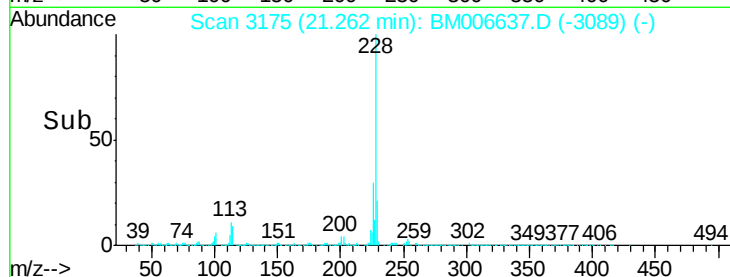
226 30.3 23.4 35.2

229 21.9 16.2 24.2

Manual Integrations

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#35

Benzo(b)fluoranthene

Concen: 41.53 ng/ul

RT: 22.79 min Scan# 3434

Delta R.T. 0.02 min

Lab File: BM006637.D

Acq: 22 Jul 2016 23:01

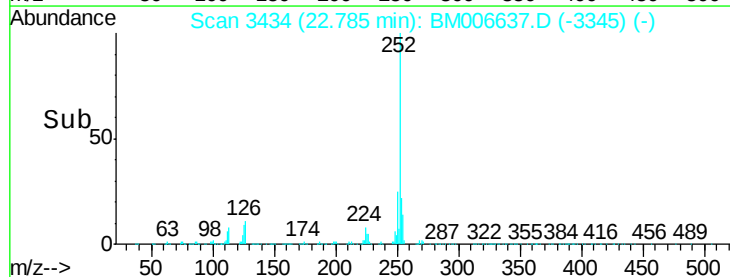
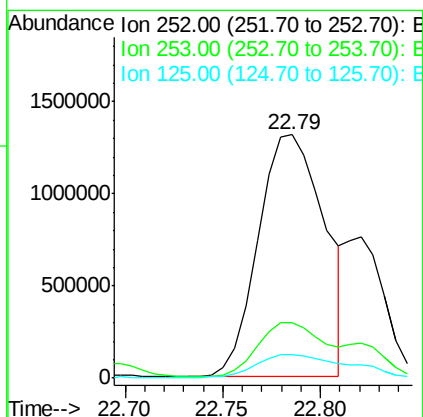
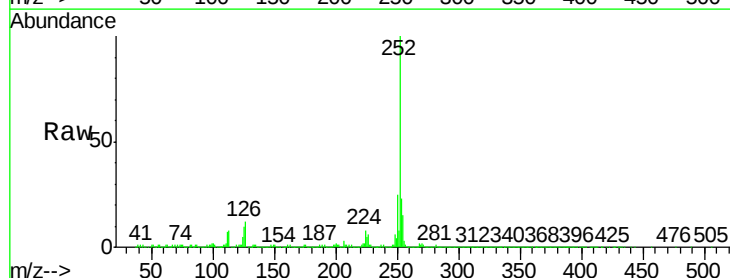
Tgt Ion:252 Resp: 3087352

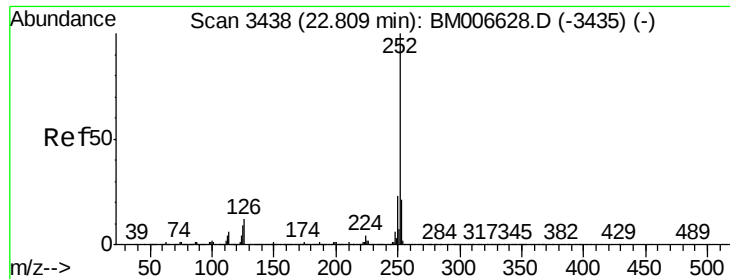
Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

125 9.9 7.6 11.4





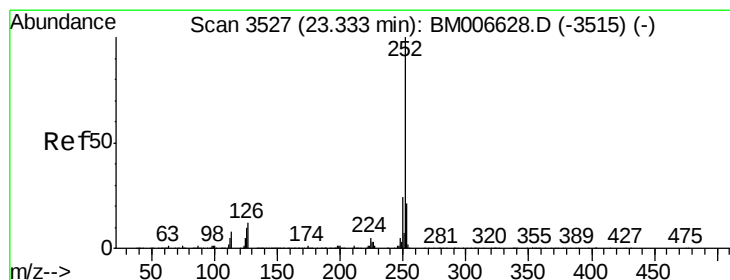
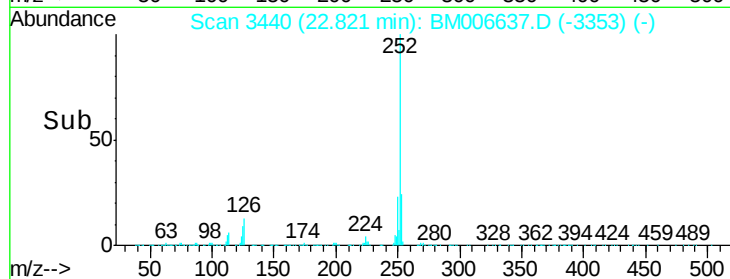
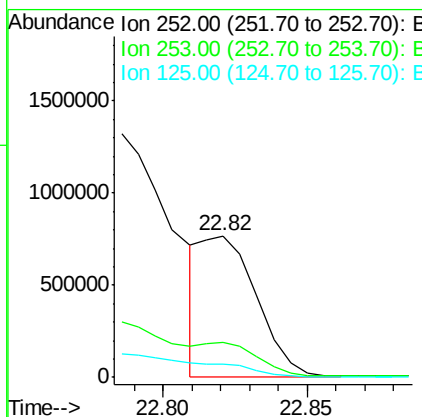
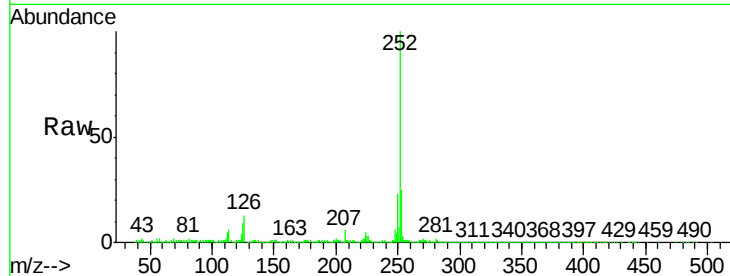
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Benzo(k)fluoranthene
Concen: 14.52 ng/ul m
RT: 22.82 min Scan# 3440
Delta R.T. 0.01 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Instrument :
BNA_M
ClientSampleId :
D9YT1

Tgt Ion:252 Resp: 1043965
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 9.2 7.7 11.5

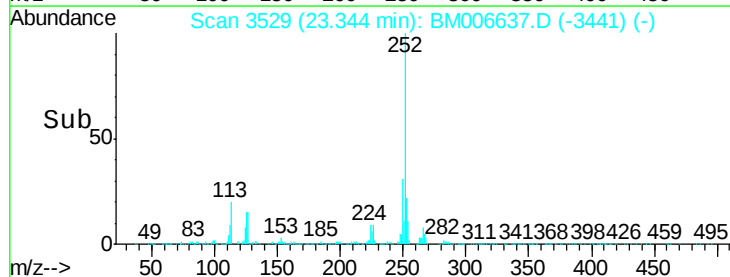
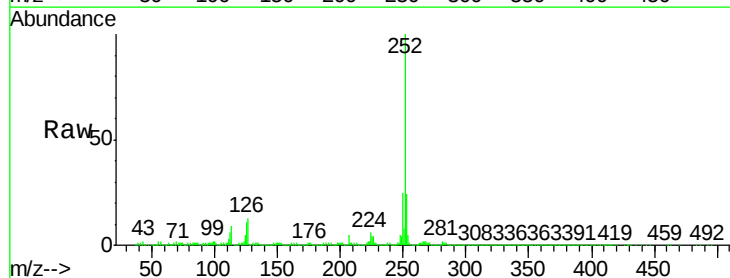
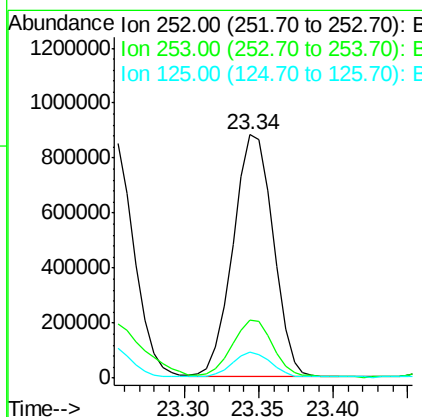
Manual Integrations

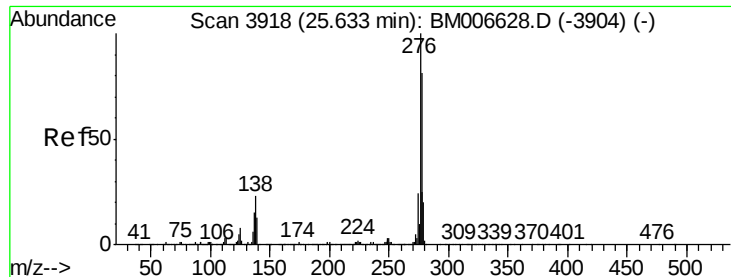
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#38
Benzo(a)pyrene
Concen: 22.92 ng/ul
RT: 23.34 min Scan# 3529
Delta R.T. 0.02 min
Lab File: BM006637.D
Acq: 22 Jul 2016 23:01

Tgt Ion:252 Resp: 1658608
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 10.5 8.2 12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 17.22 ng/ul

RT: 25.66 min Scan# 3922

Delta R.T. 0.03 min

Lab File: BM006637.D

Acq: 22 Jul 2016 23:01

Instrument :

BNA_M

ClientSampleId :

D9YT1

Tgt Ion:276 Resp: 1443502

Ion Ratio Lower Upper

276 100

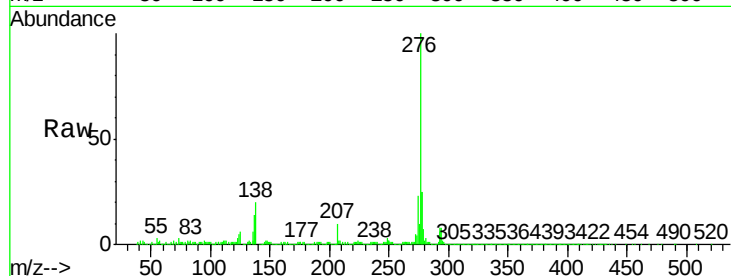
138 19.9 15.8 23.6

277 25.4 19.0 28.6

Manual Integrations

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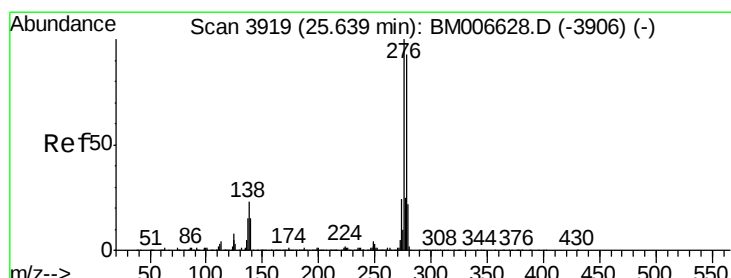
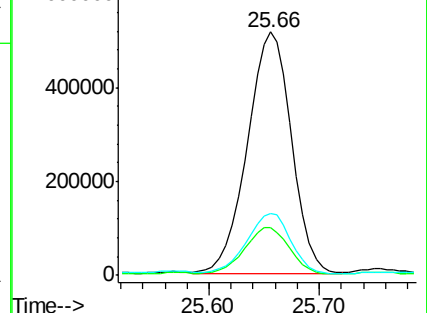
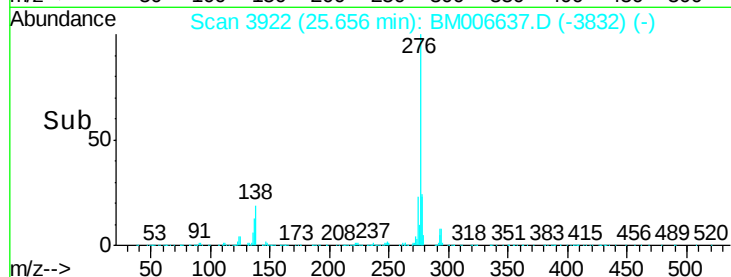
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Dibenzo(a,h)anthracene

Concen: 6.33 ng/ul m

RT: 25.65 min Scan# 3921

Delta R.T. 0.02 min

Lab File: BM006637.D

Acq: 22 Jul 2016 23:01

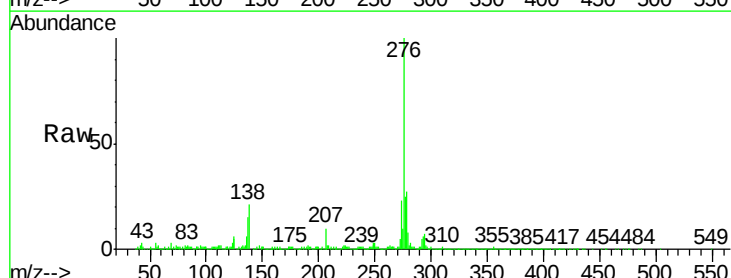
Tgt Ion:278 Resp: 439712

Ion Ratio Lower Upper

278 100

139 0.0 12.1 18.1#

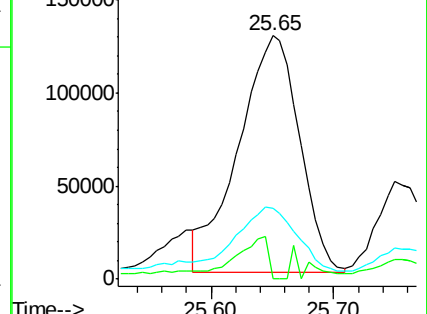
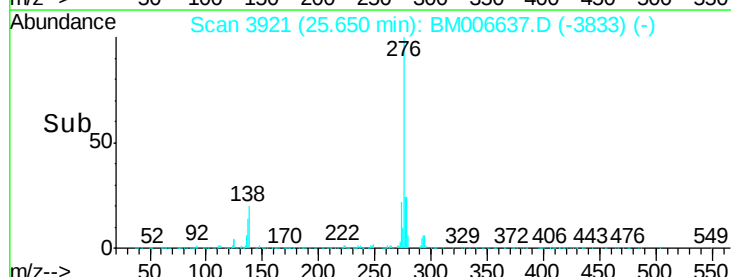
279 29.1 19.8 29.8

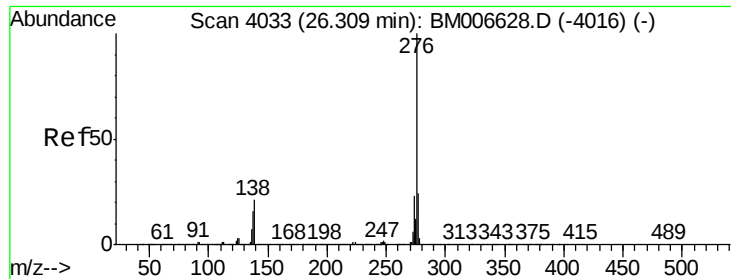


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.11 ng/ul
 RT: 26.34 min Scan# 4038
 Delta R.T. 0.04 min
 Lab File: BM006637.D
 Acq: 22 Jul 2016 23:01

Instrument :
 BNA_M
 ClientSampleId :
 D9YT1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	13.9	20.9
277	23.1	19.8	29.6

Manual Integrations

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