

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081016\
 Data File : BM007004.D
 Acq On : 10 Aug 2016 17:34
 Operator : UM/SJ
 Sample : H4301-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 DA0E5

Manual Integrations
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Quant Time: Aug 10 18:36:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 01:30:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	309269	20.00	ng/ul	0.00
7) Naphthalene-d8	10.60	136	1390140	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.44	164	868363	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.19	188	2108263	20.00	ng/ul	0.00
29) Chrysene-d12	21.37	240	2304602	20.00	ng/ul	0.00
34) Perylene-d12	23.65	264	2001191	20.00	ng/ul	0.00

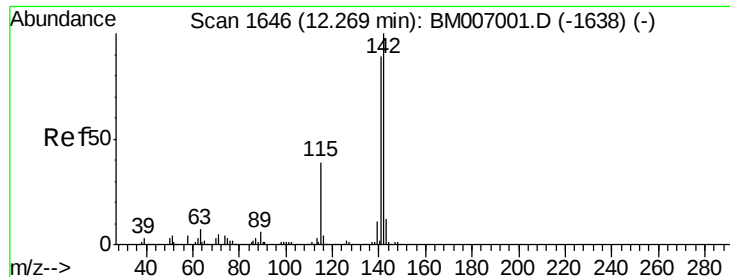
System Monitoring Compounds

2) 1,4-Dioxane-d8	3.33	96	8617	1.27	ng/uL	0.00
3) Phenol-d5	6.97	99	354114	12.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.15	67	231040	15.02	ng/ul	0.00
5) 2-Chlorophenol-d4	7.35	132	291271	13.95	ng/ul	0.00
6) 4-Methylphenol-d8	8.51	113	136197	5.84	ng/ul	0.00
8) Nitrobenzene-d5	8.97	128	152241	14.34	ng/ul	0.00
9) 2-Nitrophenol-d4	9.69	143	164951	13.57	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.22	165	324181	13.65	ng/ul	0.00
12) 4-Chloroaniline-d4	10.74	131	191228	6.89	ng/ul	0.00
16) Dimethylphthalate-d6	13.86	166	1153576	15.54	ng/ul	-0.01
17) Acenaphthylene-d8	14.14	160	1380446	15.88	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	121390	9.11	ng/ul	0.00
21) Fluorene-d10	15.44	176	1018957	16.15	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.55	200	100005	8.75	ng/ul	0.00
26) Anthracene-d10	17.29	188	1541068	15.69	ng/ul	0.00
30) Pyrene-d10	19.58	212	1848881	17.64	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.51	264	1467060	15.95	ng/ul	0.00

Target Compounds

						Qvalue
13) 2-Methylnaphthalene	12.26	142	118645	2.15	ng/ul	96
14) 1-Methylnaphthalene	12.49	142	141932	2.68	ng/ul	100
18) Acenaphthylene	14.17	152	508986	5.66	ng/ul	98
19) Acenaphthene	14.51	153	69089	1.19	ng/ul	95
22) Fluorene	15.50	166	423117	6.14	ng/ul	100
25) Phenanthrene	17.23	178	5856218	51.85	ng/ul	99
27) Anthracene	17.32	178	901374	7.73	ng/ul	100
28) Fluoranthene	19.25	202	8223915	57.80	ng/ul	98
31) Pyrene	19.62	202	6372163	47.66	ng/ul	98
32) Benzo(a)anthracene	21.36	228	3646661	26.87	ng/ul	97
33) Chrysene	21.41	228	3222000	26.16	ng/ul	98
35) Benzo(b)fluoranthene	22.97	252	3872582	31.15	ng/ul	98
36) Benzo(k)fluoranthene	23.01	252	1292447m	11.01	ng/ul	
38) Benzo(a)pyrene	23.55	252	2298917	20.10	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.95	276	1651663	14.56	ng/ul	98
40) Dibenzo(a,h)anthracene	25.96	278	445501	4.75	ng/ul	96
41) Benzo(g,h,i)perylene	26.66	276	1384470	14.85	ng/ul	99

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



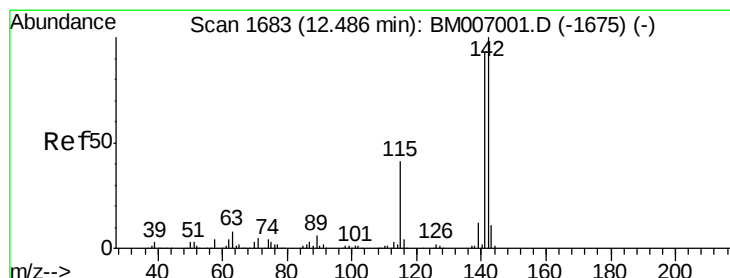
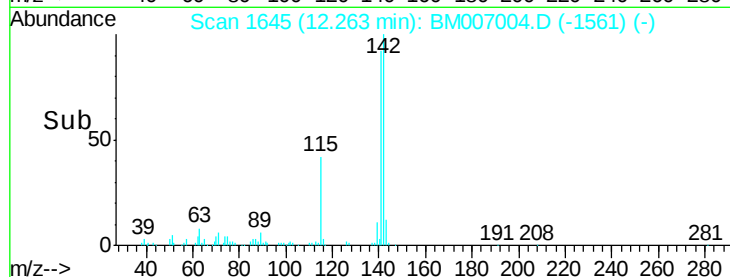
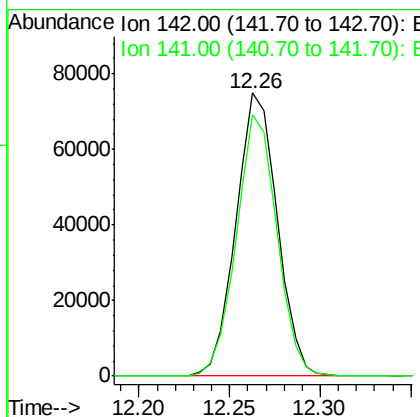
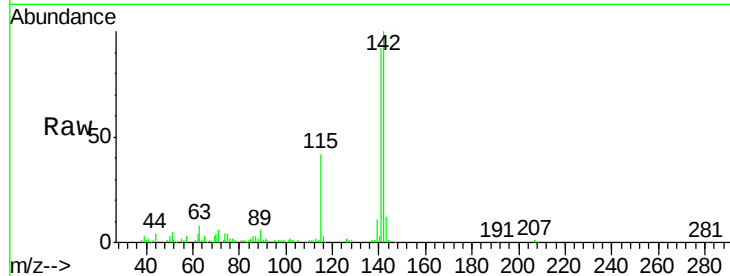
#13
2-Methylnaphthalene
Concen: 2.15 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. -0.01 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Instrument :
BNA_M
ClientSampleId :
DA0E5

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	118645		
141	92.3	71.0	106.6	

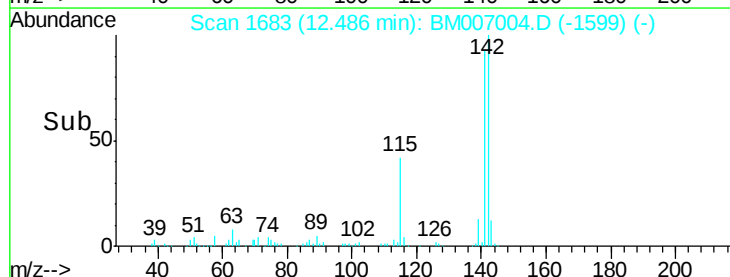
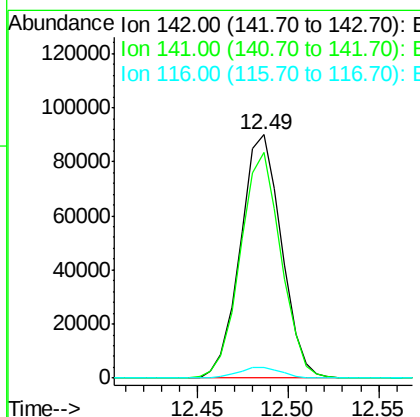
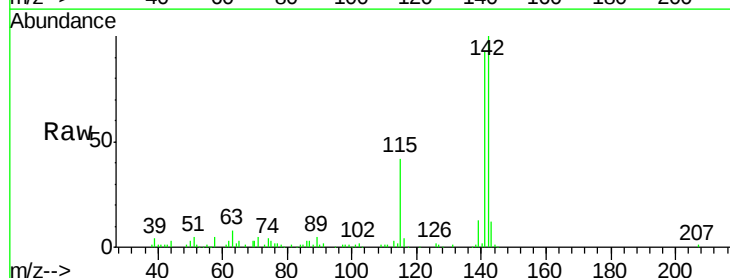
Manual Integrations
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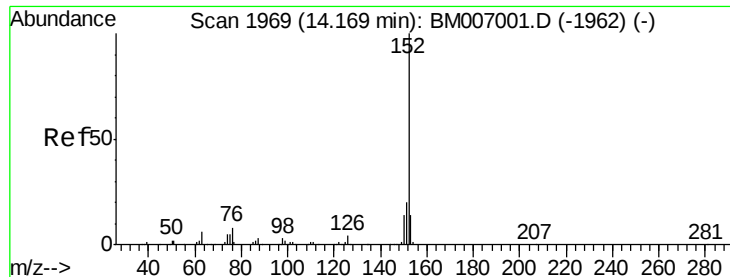
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#14
1-Methylnaphthalene
Concen: 2.68 ng/ul
RT: 12.49 min Scan# 1683
Delta R.T. -0.01 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	141932		
141	92.6	74.4	111.6	
116	4.2	3.2	4.8	





#18

Acenaphthylene

Concen: 5.66 ng/ul

RT: 14.17 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Instrument :

BNA_M

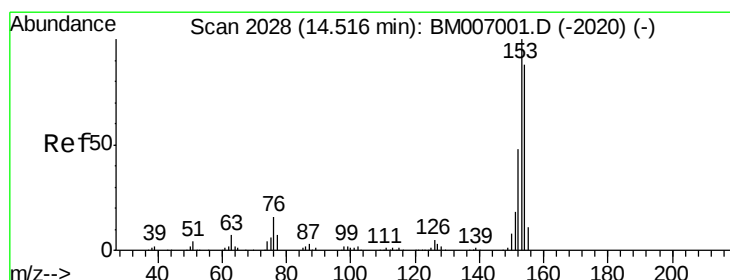
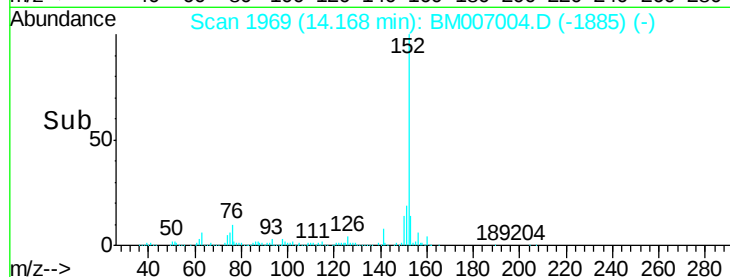
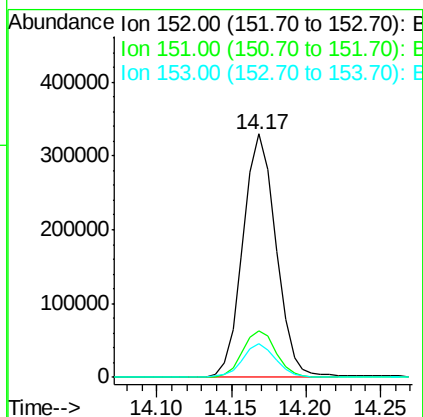
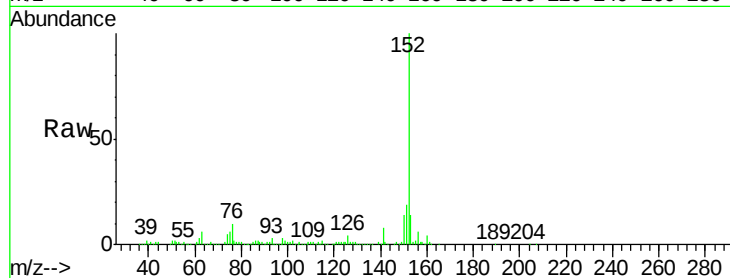
ClientSampleId :

DA0E5

Tgt Ion:	152	Resp:	508986
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.1	24.1
153	14.0	10.4	15.6

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#19

Acenaphthene

Concen: 1.19 ng/ul

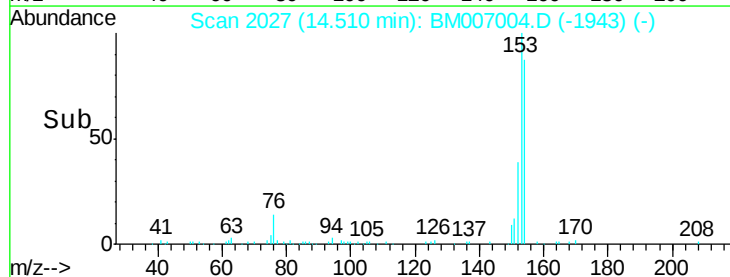
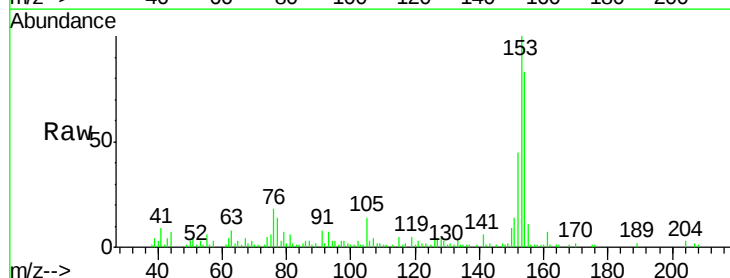
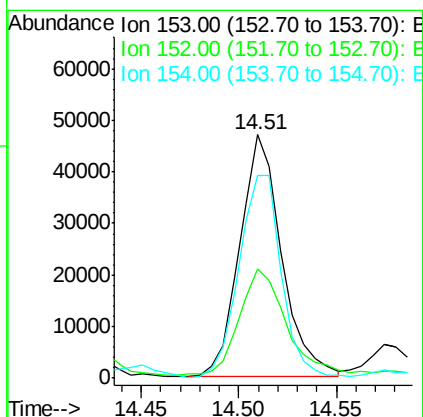
RT: 14.51 min Scan# 2027

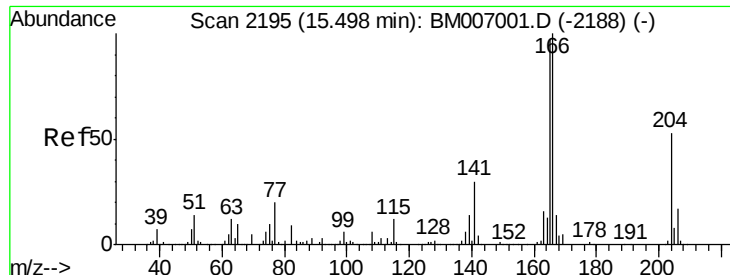
Delta R.T. -0.01 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Tgt Ion:	153	Resp:	69089
Ion Ratio	Lower	Upper	
153	100		
152	44.6	37.0	55.6
154	83.0	70.9	106.3





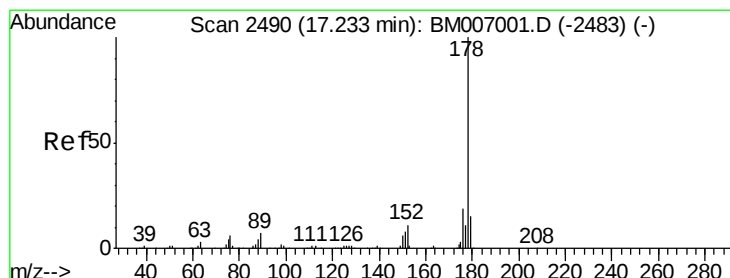
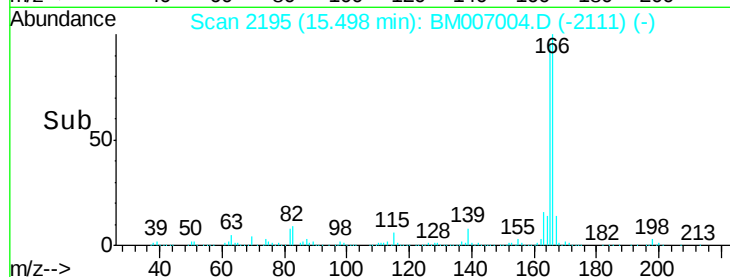
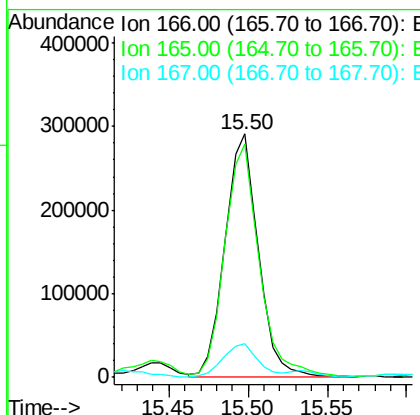
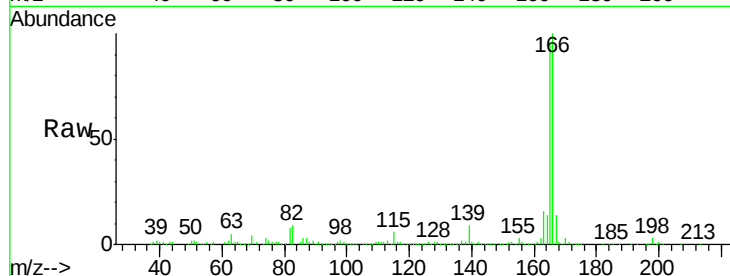
#22
 Fluorene
 Concen: 6.14 ng/ul
 RT: 15.50 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BM007004.D
 Acq: 10 Aug 2016 17:34

Instrument :
 BNA_M
 ClientSampleId :
 DA0E5

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	423117		
165	95.9	76.6	115.0	
167	13.9	10.7	16.1	

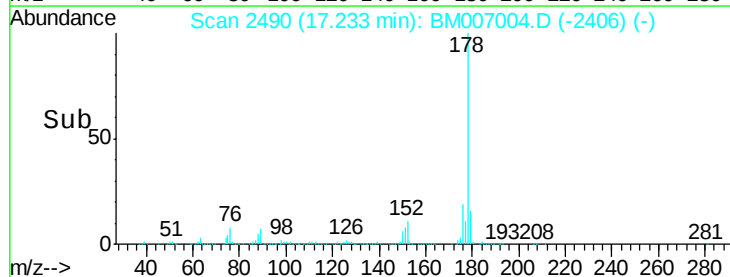
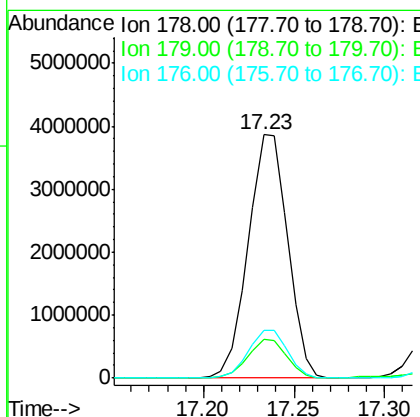
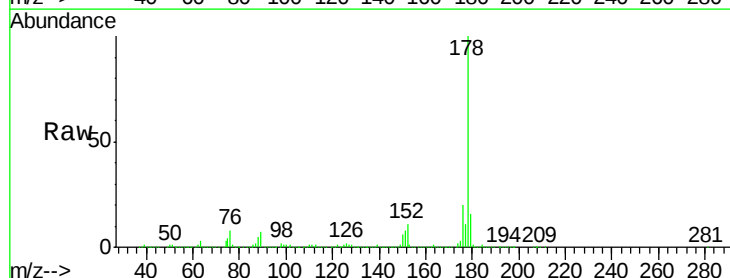
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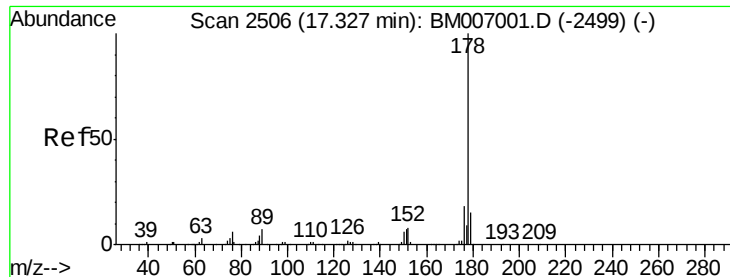
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#25
 Phenanthrene
 Concen: 51.85 ng/ul
 RT: 17.23 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BM007004.D
 Acq: 10 Aug 2016 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5856218		
179	15.9	12.2	18.2	
176	19.5	15.2	22.8	





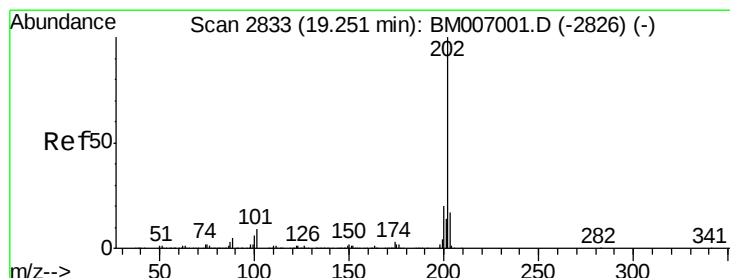
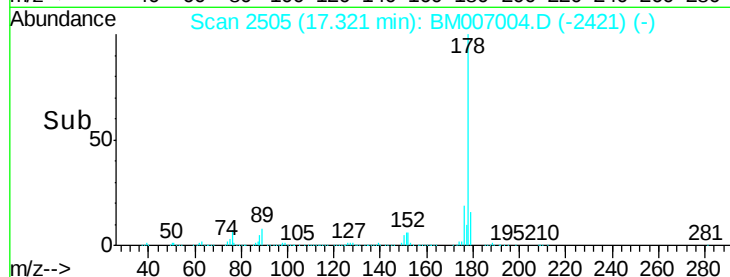
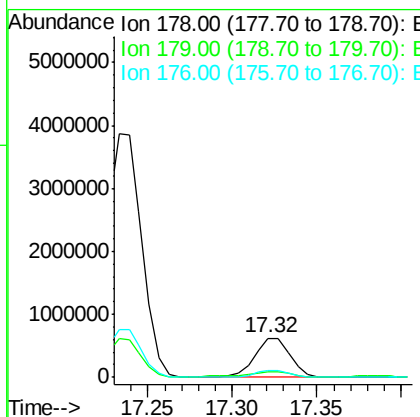
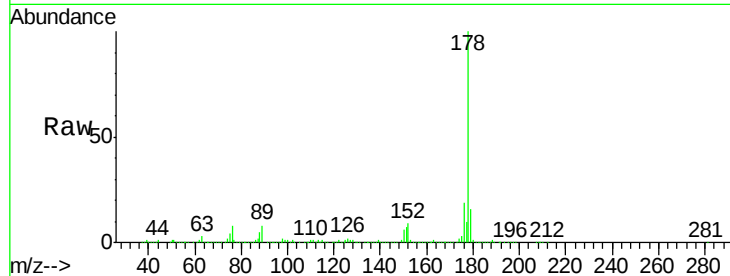
#27
 Anthracene
 Concen: 7.73 ng/ul
 RT: 17.32 min Scan# 2505
 Delta R.T. -0.01 min
 Lab File: BM007004.D
 Acq: 10 Aug 2016 17:34

Instrument :
 BNA_M
 ClientSampled :
 DA0E5

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.5	18.7
176	18.9	15.0	22.4

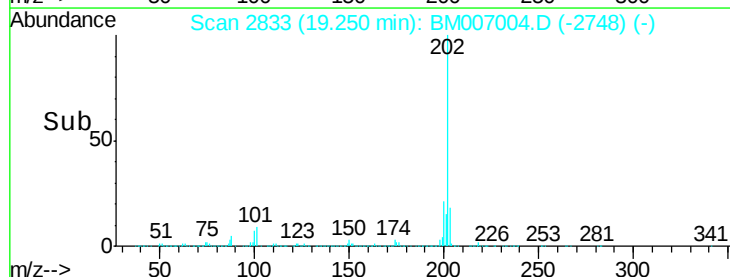
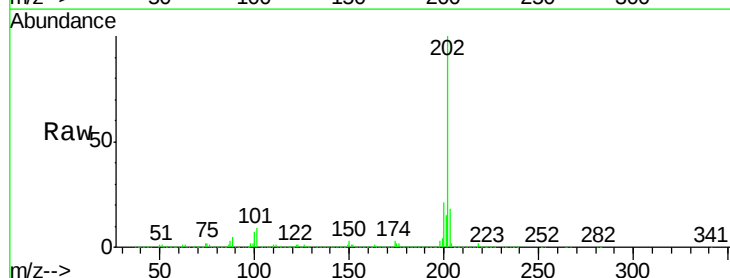
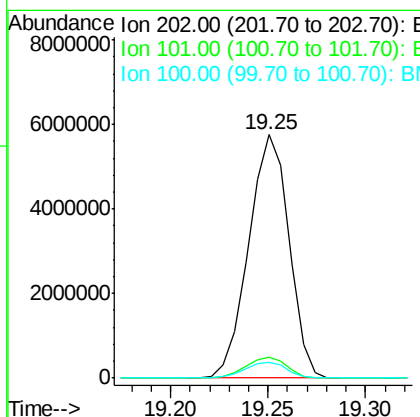
Manual Integrations
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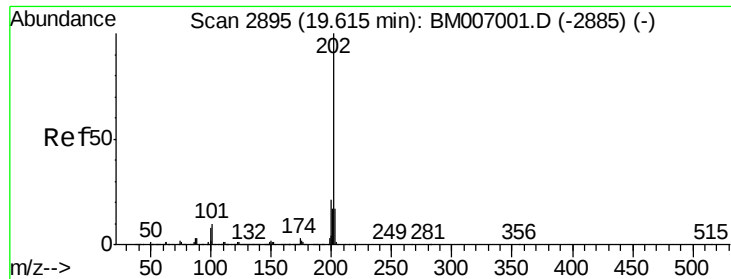
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#28
 Fluoranthene
 Concen: 57.80 ng/ul
 RT: 19.25 min Scan# 2833
 Delta R.T. 0.00 min
 Lab File: BM007004.D
 Acq: 10 Aug 2016 17:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.4	11.2
100	6.7	5.8	8.6





#31

Pyrene

Concen: 47.66 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Instrument :

BNA_M

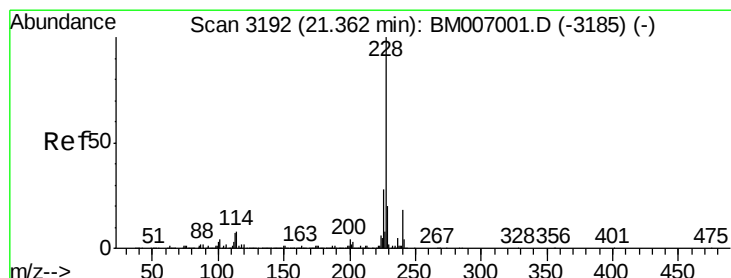
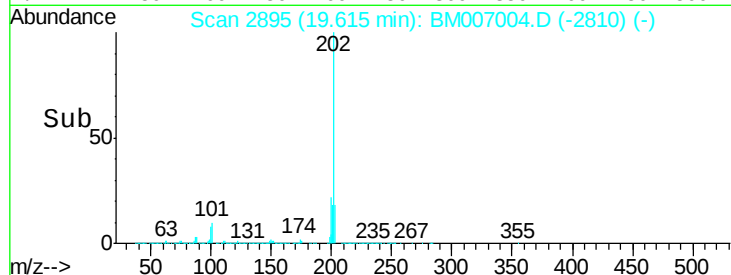
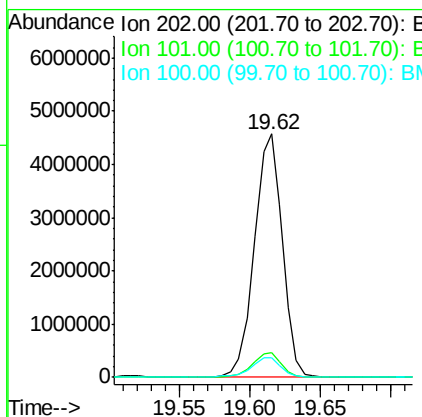
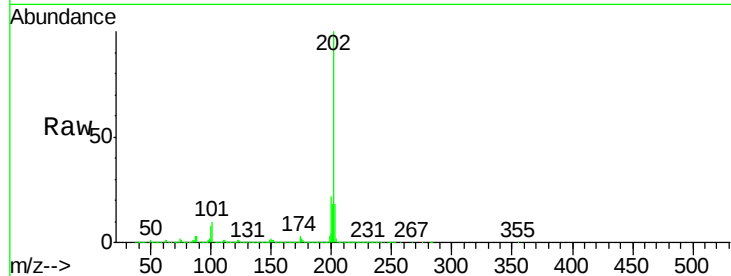
ClientSampleId :

DA0E5

Tgt Ion:	202	Resp:	6372163
Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.5	12.7
100	8.0	7.1	10.7

Manual Integrations
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#32

Benzo(a)anthracene

Concen: 26.87 ng/ul

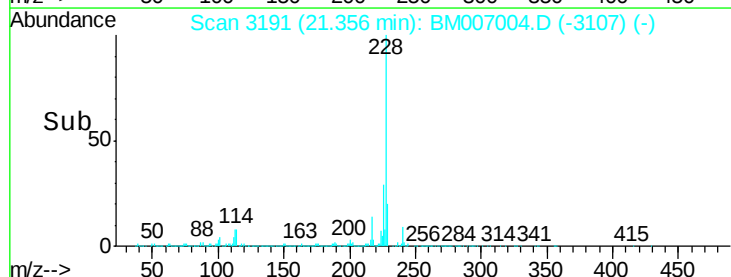
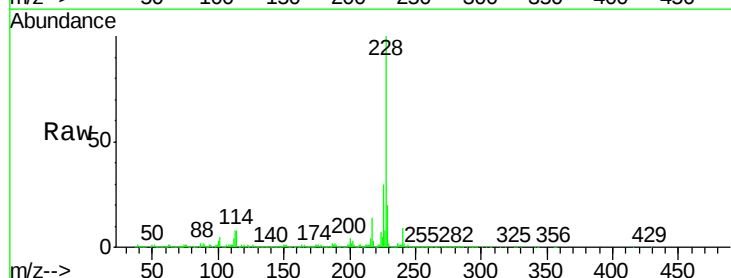
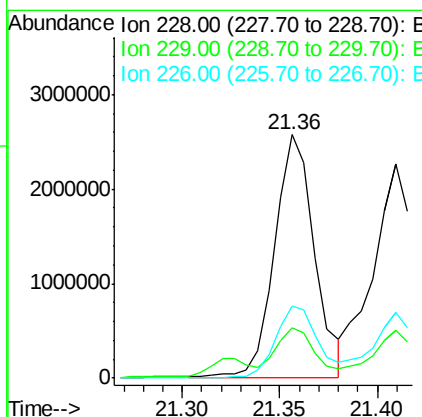
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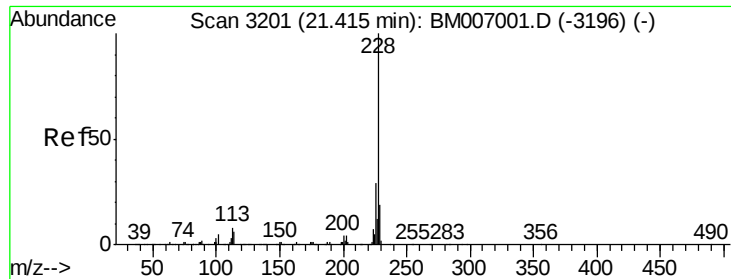
Delta R.T. -0.01 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Tgt Ion:	228	Resp:	3646661
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	29.6	21.9	32.9





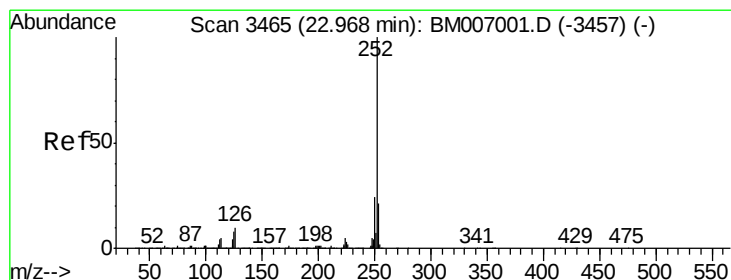
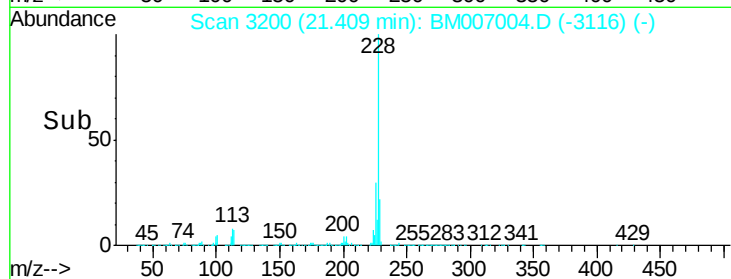
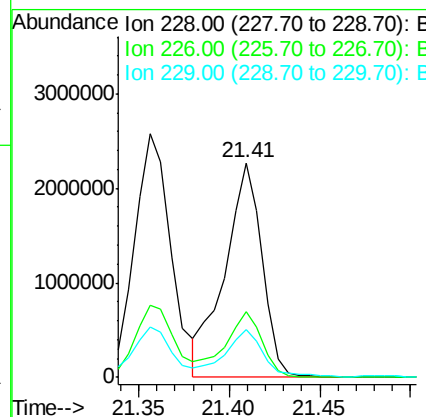
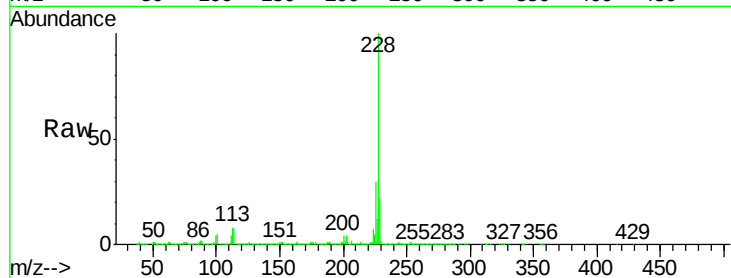
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Chrysene
Concen: 26.16 ng/ul
RT: 21.41 min Scan# 3200
Delta R.T. -0.01 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Instrument :
BNA_M
ClientSampleId :
DA0E5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	22.0	15.9	23.9

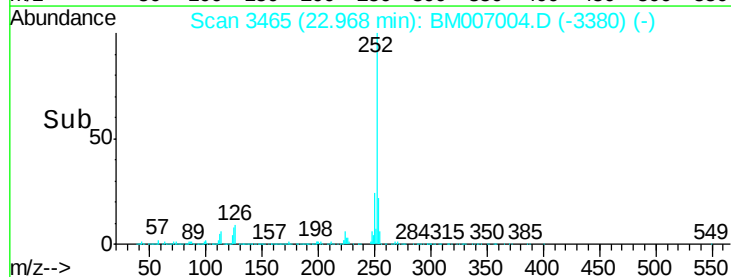
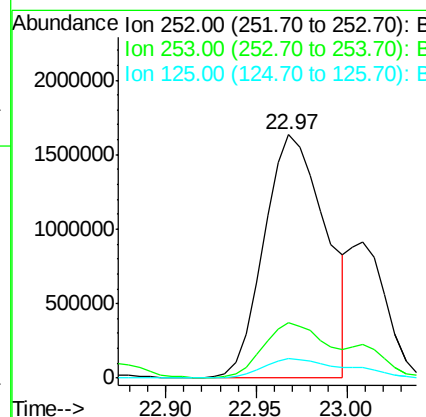
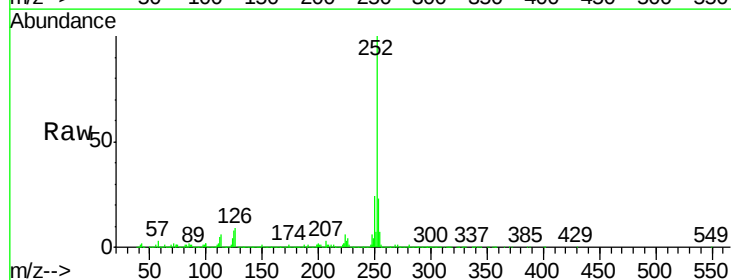
Manual Integrations
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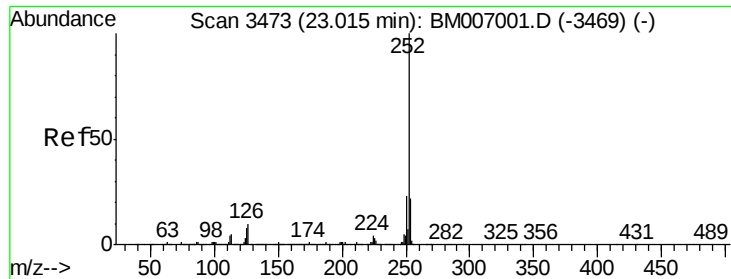
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#35
Benzo(b)fluoranthene
Concen: 31.15 ng/ul
RT: 22.97 min Scan# 3465
Delta R.T. 0.00 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	8.0	6.0	9.0





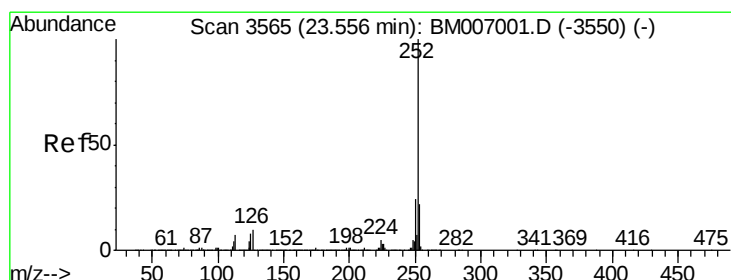
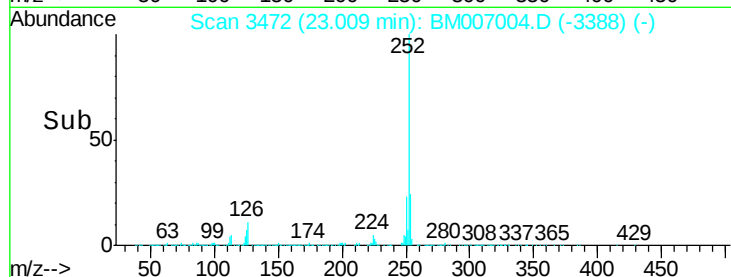
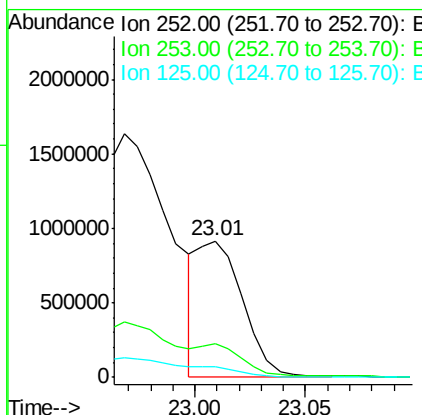
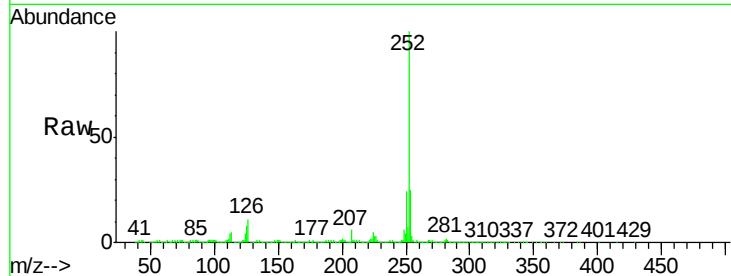
#36
Benzo(k)fluoranthene
Concen: 11.01 ng/ul m
RT: 23.01 min Scan# 3472
Delta R.T. -0.01 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Instrument :
BNA_M
ClientSampleId :
DA0E5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	7.7	6.2	9.4

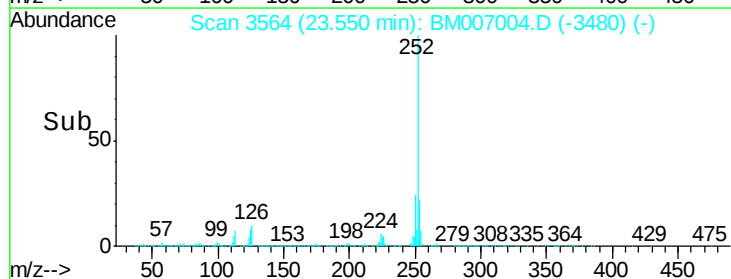
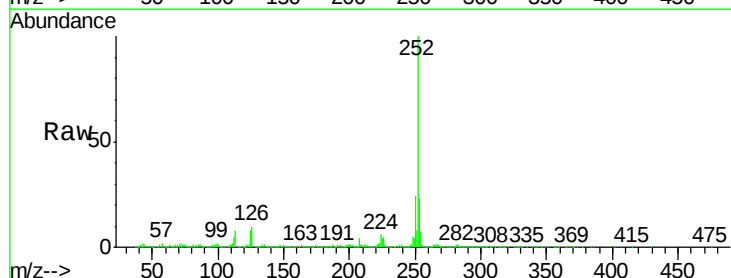
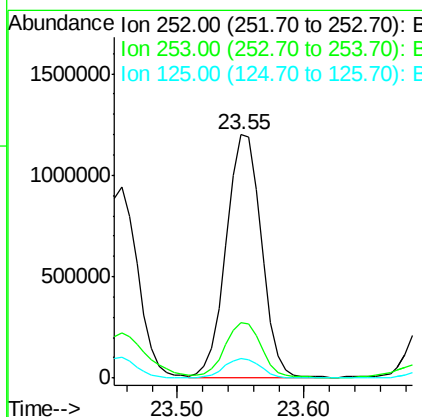
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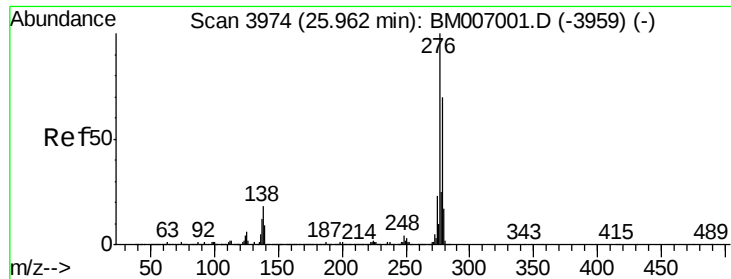
sohil
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#38
Benzo(a)pyrene
Concen: 20.10 ng/ul
RT: 23.55 min Scan# 3564
Delta R.T. -0.01 min
Lab File: BM007004.D
Acq: 10 Aug 2016 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	8.1	6.8	10.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 14.56 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA0E5

Tgt Ion:276 Resp: 1651663

Ion Ratio Lower Upper

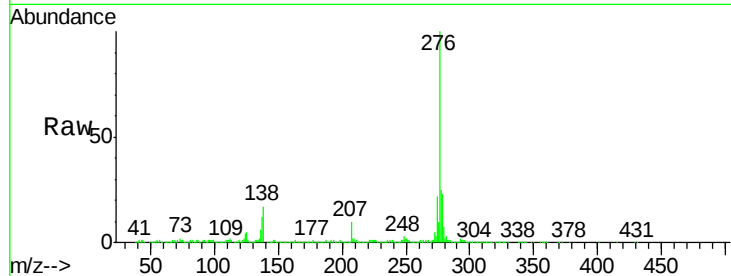
276 100

138 16.9 14.9 22.3

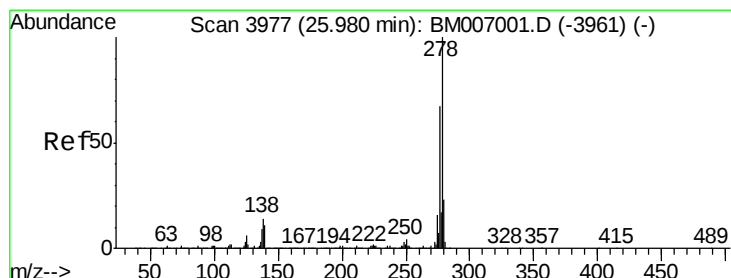
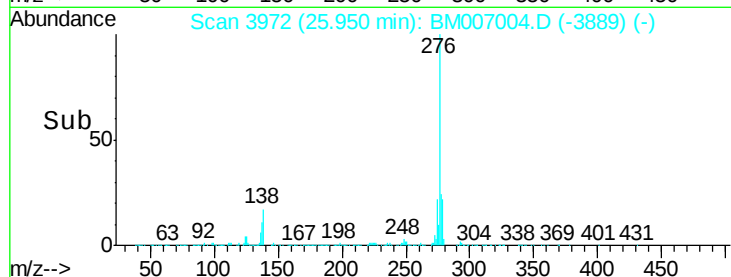
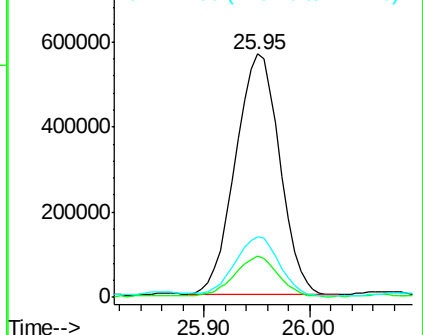
277 24.8 19.8 29.6

Manual Integrations
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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: 4.75 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. -0.02 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

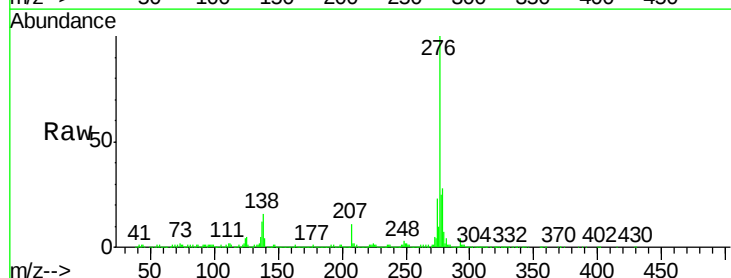
Tgt Ion:278 Resp: 445501

Ion Ratio Lower Upper

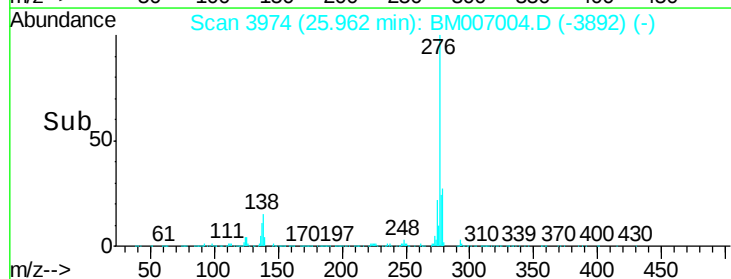
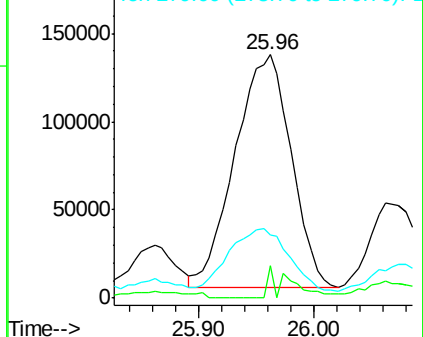
278 100

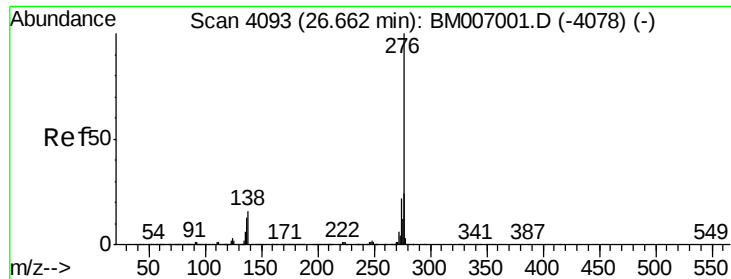
139 13.4 10.3 15.5

279 25.9 18.8 28.2



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: 14.85 ng/ul

RT: 26.66 min Scan# 4092

Delta R.T. -0.01 min

Lab File: BM007004.D

Acq: 10 Aug 2016 17:34

Instrument :

BNA_M

ClientSampleId :

DA0E5

Tgt Ion: 276 Resp: 1384470

Ion Ratio Lower Upper

276 100

138 16.2 14.0 21.0

277 24.7 19.6 29.4

Manual Integrations

APPROVED

sohil

8/10/2016 8:15:22 PM

