

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002178.D
 Acq On : 02 Aug 2015 20:40
 Operator : TP
 Sample : G3073-22
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02L6

Manual Integrations
 APPROVED

MMDadoda
 8/3/2015 4:44:15 PM

Quant Time: Aug 03 02:28:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	63573	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	276690	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	172994	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	402632	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	483338	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	420289	20.00	ng/ul	0.00

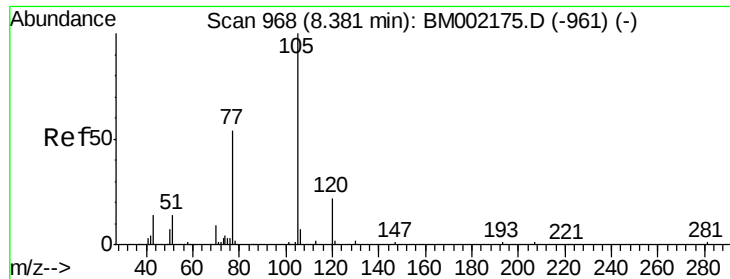
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	3923	3.19	ng/uL	0.00
5) Phenol-d5	6.74	99	110869	24.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	57048	22.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	92843	24.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	93079	25.76	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	46121	23.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	53519	24.49	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	101095	24.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	99608	21.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	300010	23.68	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	368295	23.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	34514	16.32	ng/ul	0.00
58) Fluorene-d10	15.22	176	257247	23.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	17569	7.13	ng/ul	0.00
71) Anthracene-d10	17.07	188	396452	22.06	ng/ul	0.00
79) Pyrene-d10	19.39	212	430755	21.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	383153	18.81	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.38	105	6168	1.08	ng/ul	91
45) Dimethylphthalate	13.69	163	84872	6.71	ng/ul	99
48) Acenaphthylene	13.95	152	197582	12.09	ng/ul	99
59) Fluorene	15.28	166	32397	2.55	ng/ul	97
70) Phenanthrene	17.02	178	541678	25.97	ng/ul	100
72) Anthracene	17.11	178	203243	9.53	ng/ul	99
77) Fluoranthene	19.05	202	2358873	97.96	ng/ul	99
80) Pyrene	19.42	202	1871942	71.17	ng/ul	99
83) Benzo(a)anthracene	21.17	228	1286986m	48.03	ng/ul	
85) Chrysene	21.23	228	1179387	47.05	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	1619167	68.56	ng/ul	98
89) Benzo(k)fluoranthene	22.76	252	433630m	19.03	ng/ul	
91) Benzo(a)pyrene	23.29	252	971115	42.60	ng/ul	96
92) Indeno(1,2,3-cd)pyrene	25.58	276	619189	23.57	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.58	278	179057	7.96	ng/ul#	81
94) Benzo(g,h,i)perylene	26.26	276	514759	23.38	ng/ul	96

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



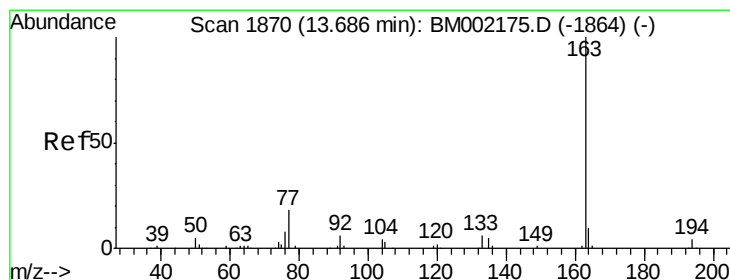
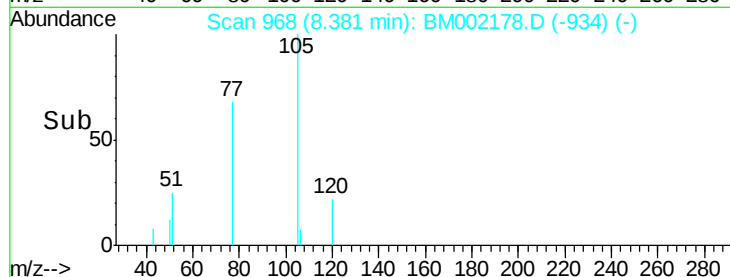
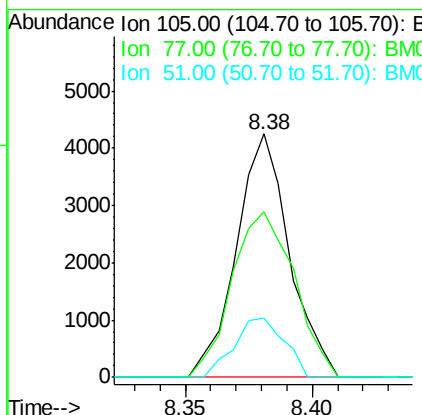
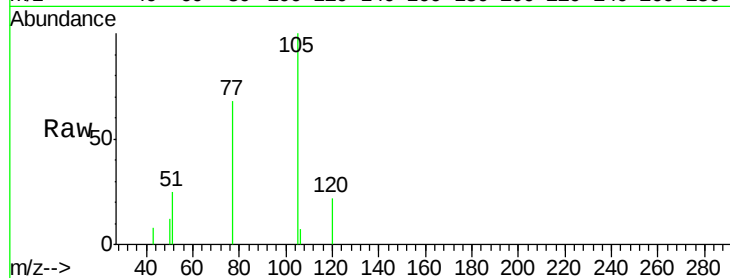
#14
Acetophenone
Concen: 1.08 ng/ul
RT: 8.38 min Scan# 968
Delta R.T. 0.00 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Instrument :
BNA_M
ClientSampleId :
C02L6

Tgt Ion:	105	Resp:	6168
Ion Ratio	Lower	Upper	
105	100		
77	67.7	61.8	92.8
51	24.5	18.5	27.7

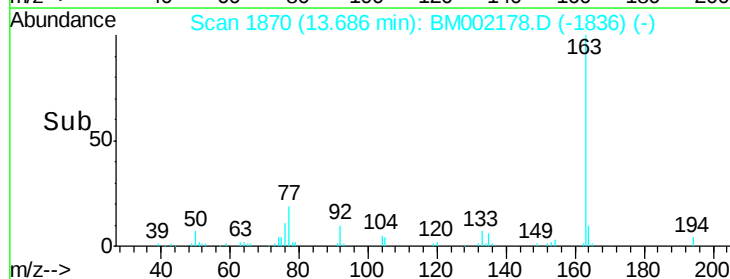
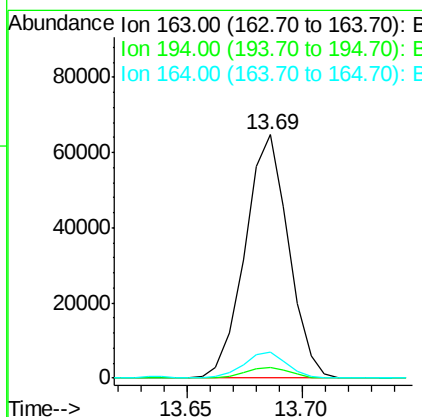
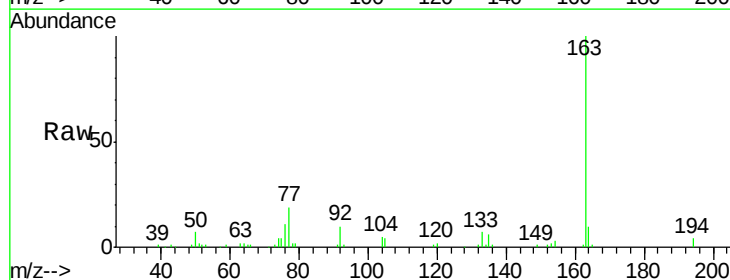
Manual Integrations
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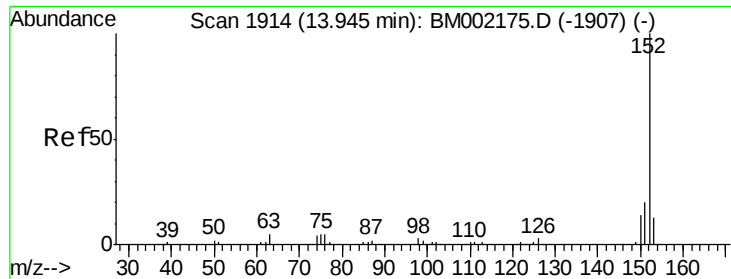
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#45
Dimethylphthalate
Concen: 6.71 ng/ul
RT: 13.69 min Scan# 1870
Delta R.T. 0.00 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion:	163	Resp:	84872
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	10.5	8.0	12.0





#48

Acenaphthylene

Concen: 12.09 ng/ul

RT: 13.95 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM002178.D

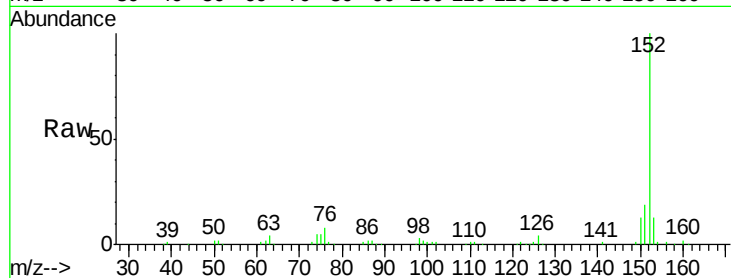
Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

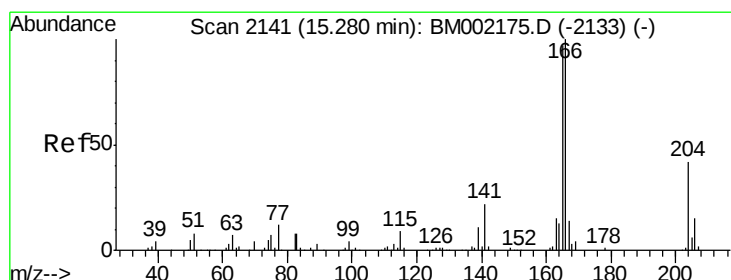
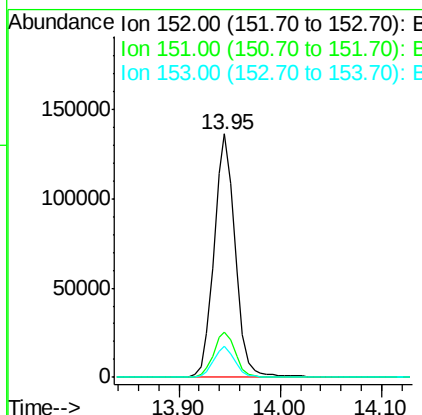
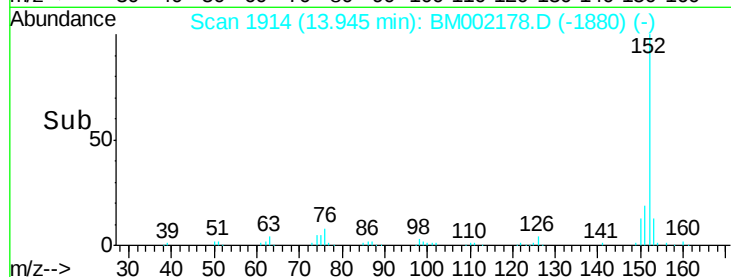
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Tgt Ion	Ratio	Resp	Lower	Upper
152	100	197582		
151	18.8	15.6	23.4	
153	12.8	10.3	15.5	

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#59

Fluorene

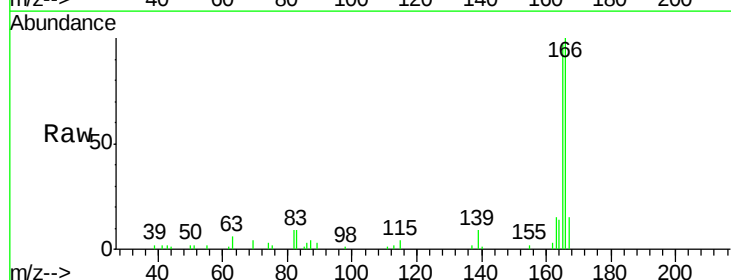
Concen: 2.55 ng/ul

RT: 15.28 min Scan# 2141

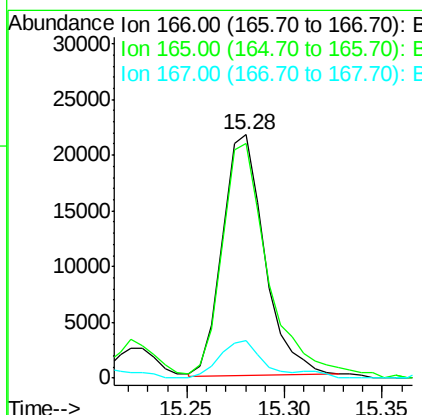
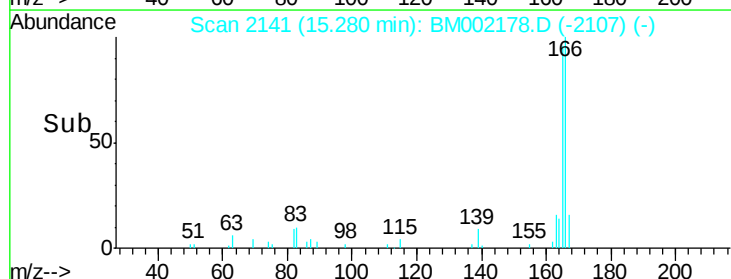
Delta R.T. 0.00 min

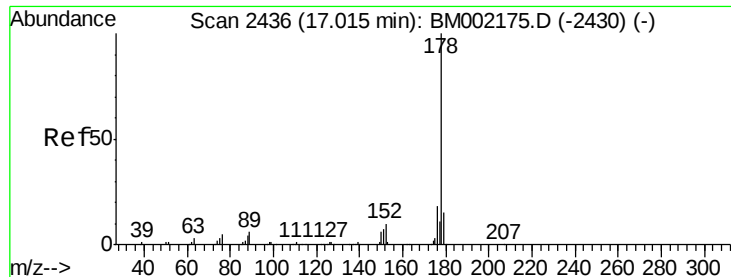
Lab File: BM002178.D

Acq: 02 Aug 2015 20:40



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	32397		
165	96.6	75.6	113.4	
167	15.4	10.5	15.7	





#70

Phenanthrene

Concen: 25.97 ng/ul

RT: 17.02 min Scan# 2437

Delta R.T. 0.01 min

Lab File: BM002178.D

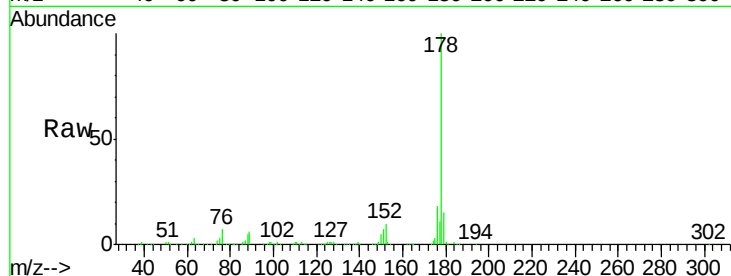
Acq: 02 Aug 2015 20:40

Instrument :

BNA_M

ClientSampleId :

C02L6



Tgt Ion:178 Resp: 541678

Ion Ratio Lower Upper

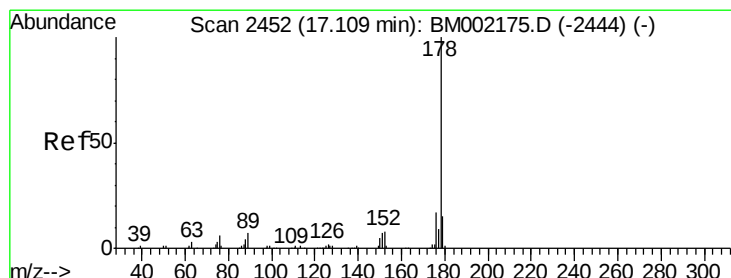
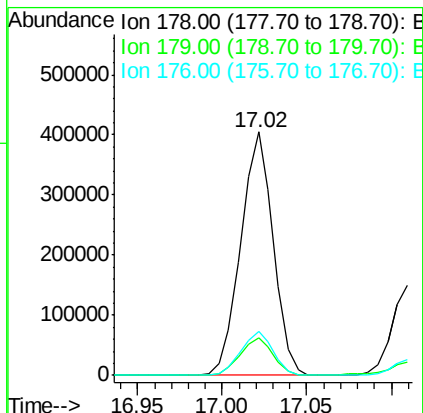
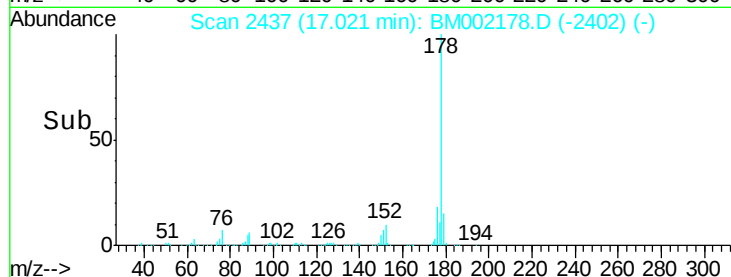
178 100

179 15.5 12.5 18.7

176 18.0 14.2 21.4

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#72

Anthracene

Concen: 9.53 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM002178.D

Acq: 02 Aug 2015 20:40

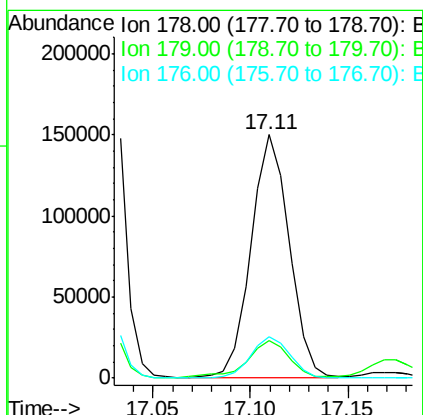
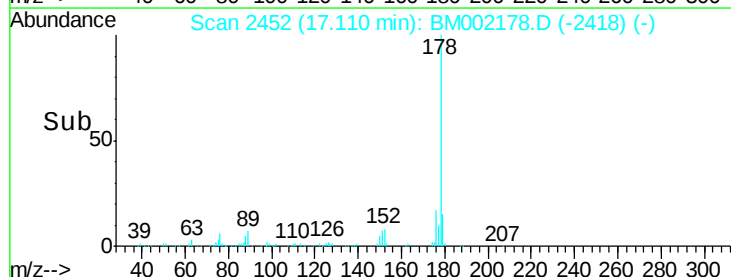
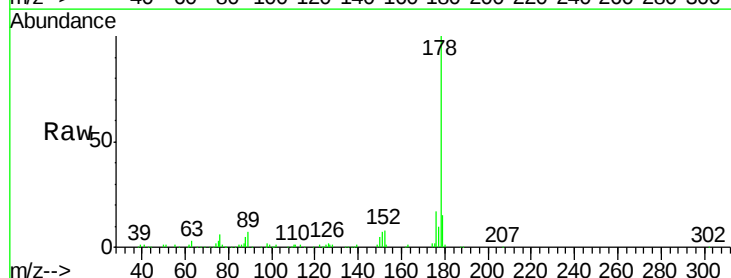
Tgt Ion:178 Resp: 203243

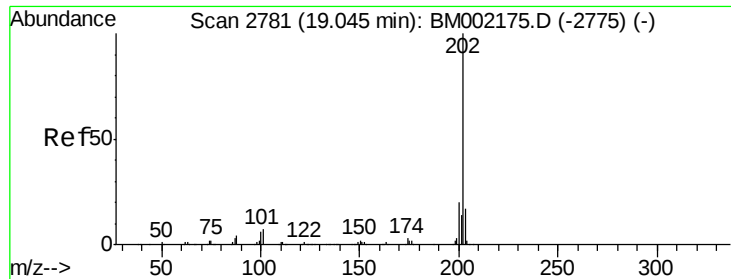
Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

176 17.1 14.1 21.1





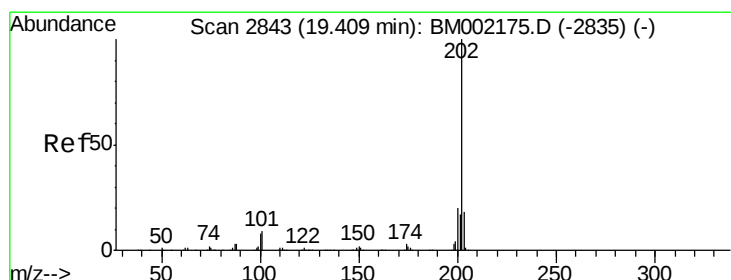
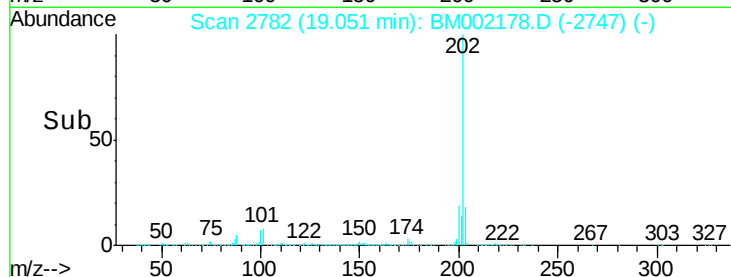
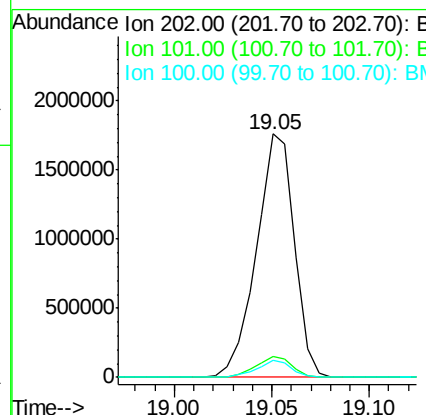
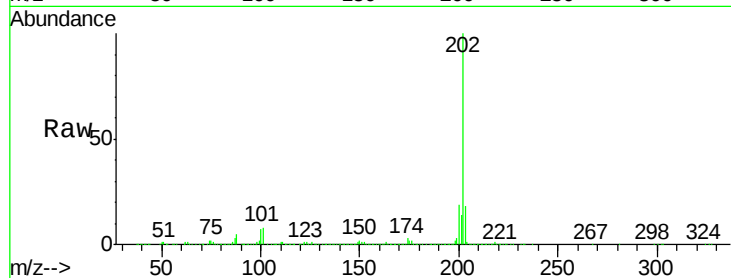
#77
 Fluoranthene
 Concen: 97.96 ng/ul
 RT: 19.05 min Scan# 2782
 Delta R.T. 0.01 min
 Lab File: BM002178.D
 Acq: 02 Aug 2015 20:40

Instrument :
 BNA_M
 ClientSampleId :
 C02L6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.2	9.4
100	6.8	5.2	7.8

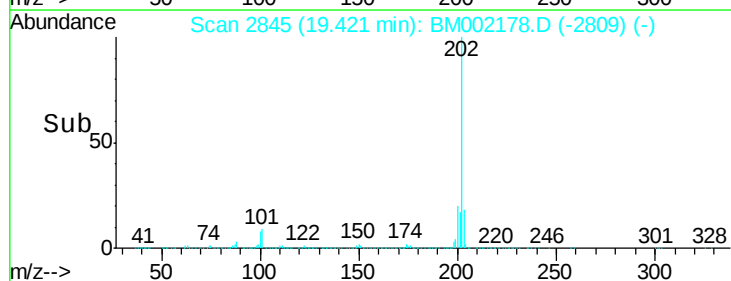
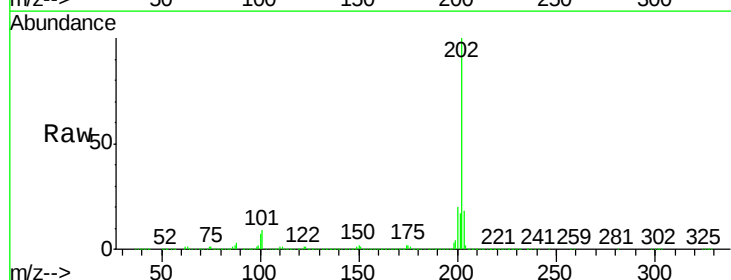
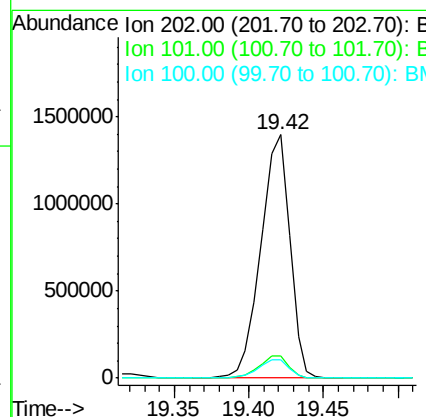
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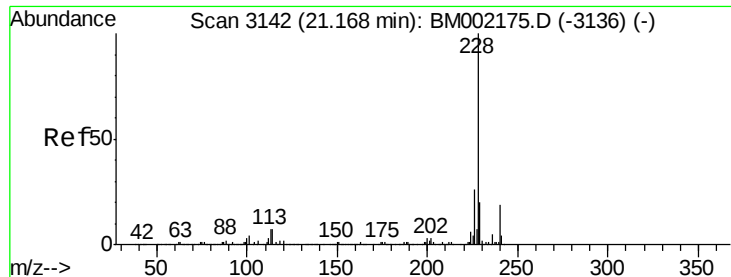
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#80
 Pyrene
 Concen: 71.17 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BM002178.D
 Acq: 02 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.4	11.2
100	7.4	6.3	9.5





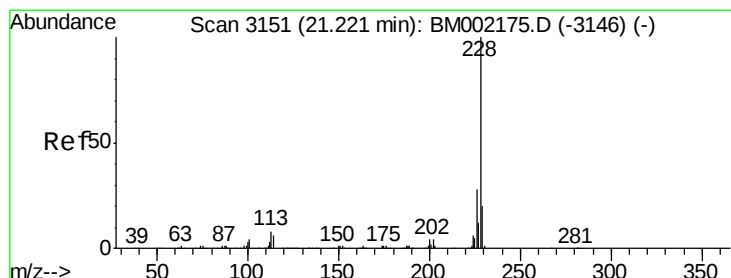
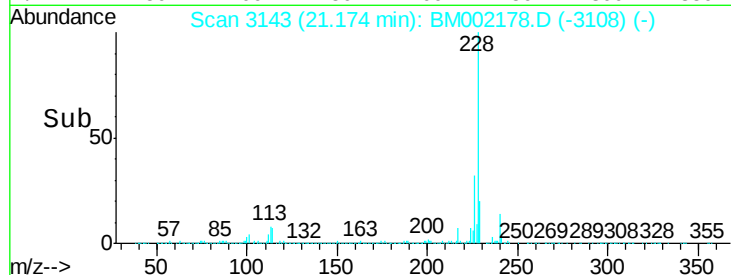
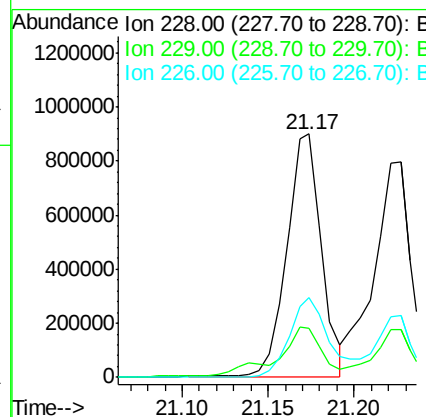
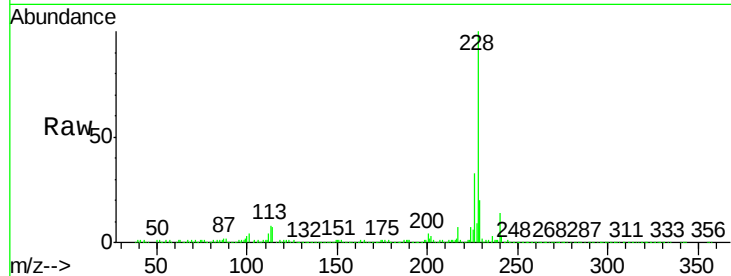
#83
Benzo(a)anthracene
Concen: 48.03 ng/ul m
RT: 21.17 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Instrument :
BNA_M
ClientSampleId :
C02L6

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.4	23.2
226	32.7	20.5	30.7

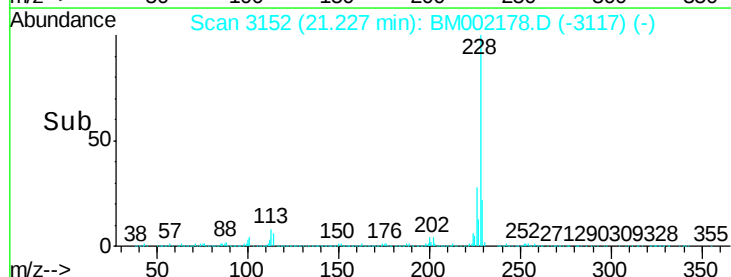
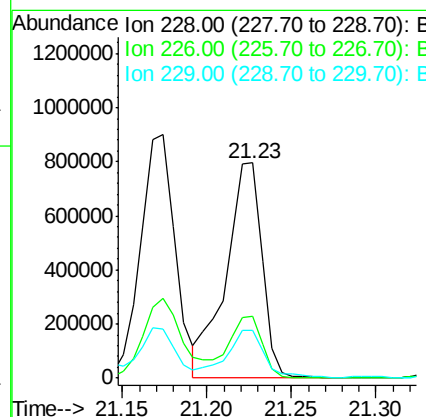
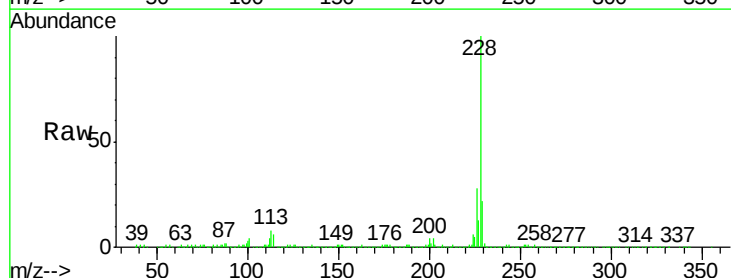
Manual Integrations
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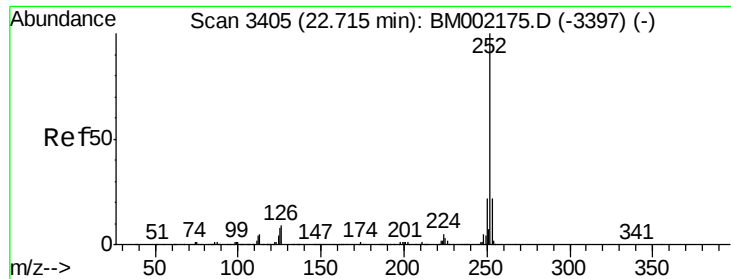
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#85
Chrysene
Concen: 47.05 ng/ul
RT: 21.23 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.3	33.5
229	21.9	15.5	23.3





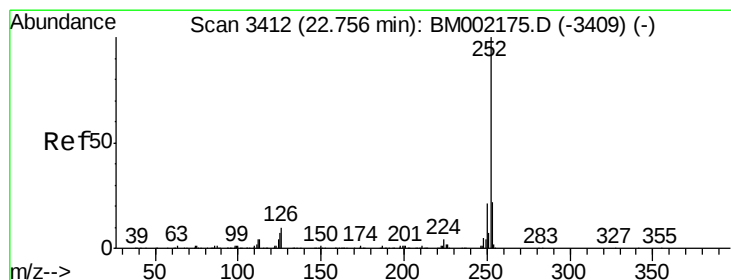
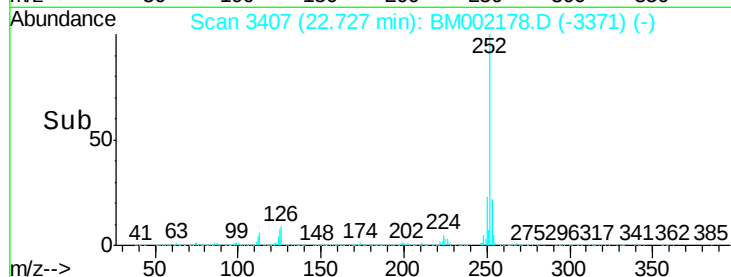
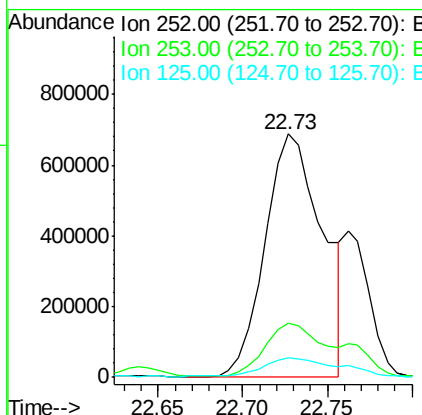
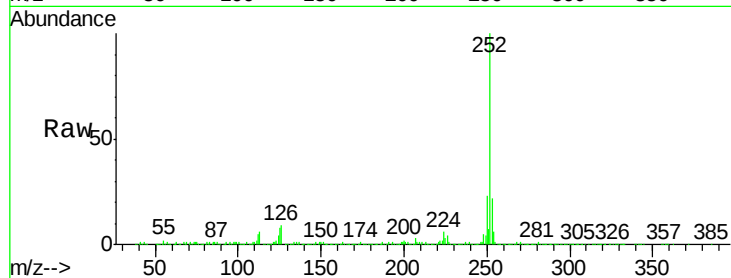
#88
Benzo(b)fluoranthene
Concen: 68.56 ng/ul
RT: 22.73 min Scan# 3407
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Instrument :
BNA_M
ClientSampleId :
C02L6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.9	25.3
125	7.9	6.2	9.2

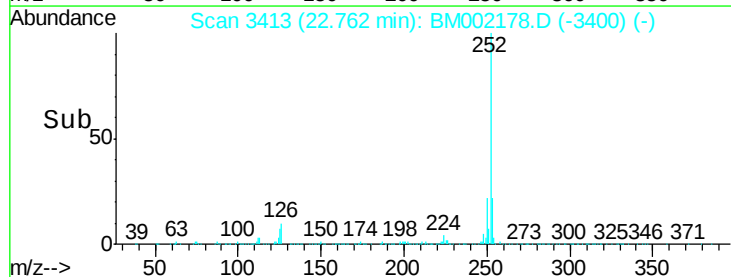
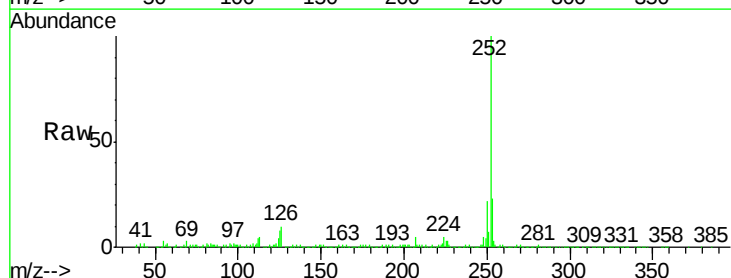
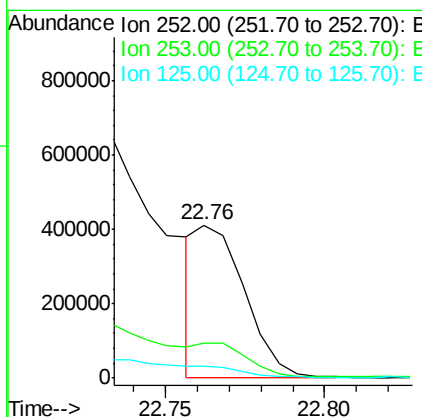
Manual Integrations
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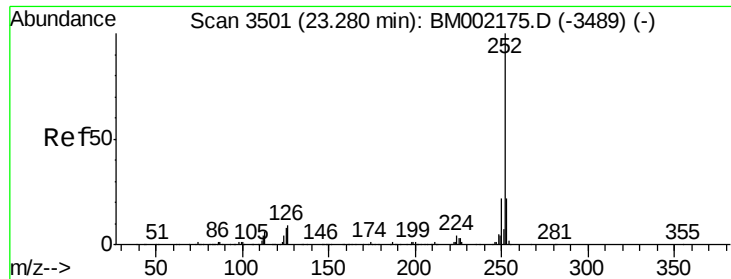
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8/3/2015 4:44:15 PM



#89
Benzo(k)fluoranthene
Concen: 19.03 ng/ul m
RT: 22.76 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	7.8	6.2	9.4





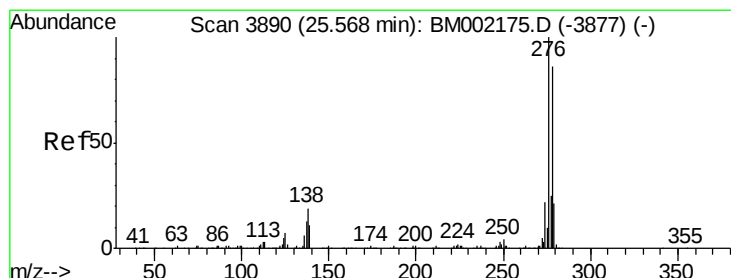
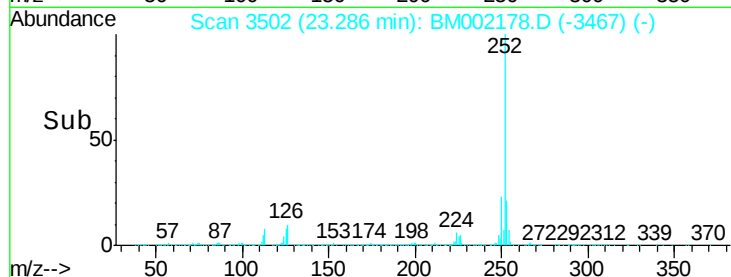
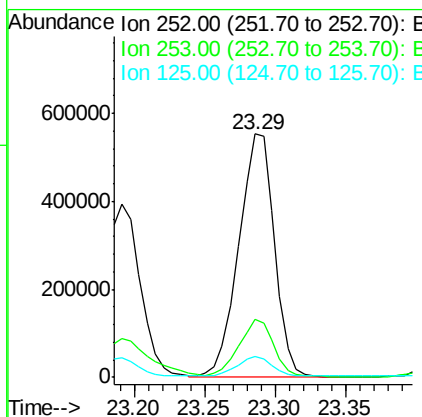
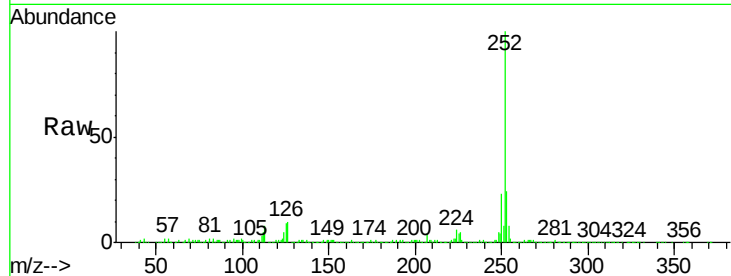
#91
Benzo(a)pyrene
Concen: 42.60 ng/ul
RT: 23.29 min Scan# 3502
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Instrument :
BNA_M
ClientSampleId :
C02L6

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	17.2	25.8
125	8.6	6.6	10.0

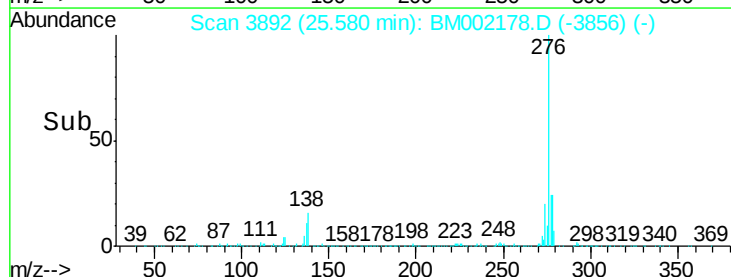
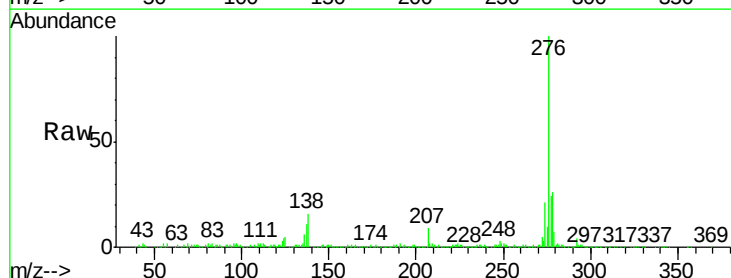
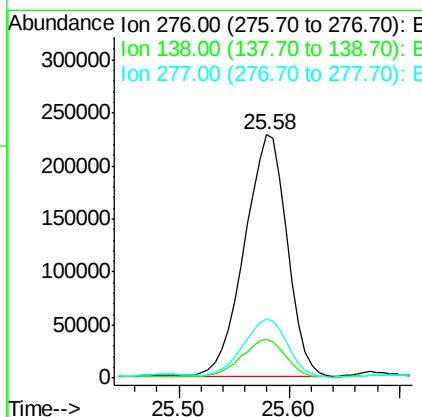
Manual Integrations
APPROVED

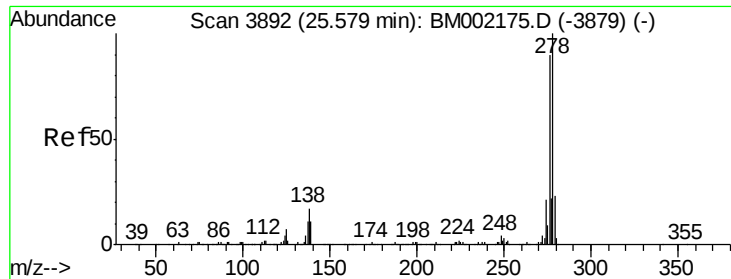
MMDadoda
8/3/2015 4:44:15 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 23.57 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.01 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.8	16.2	24.2#
277	24.2	19.8	29.8





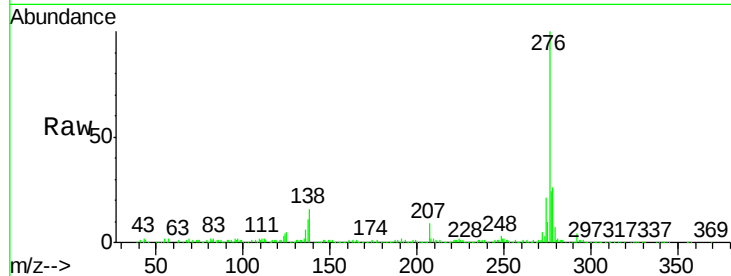
#93
Dibenzo(a,h)anthracene
Concen: 7.96 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.00 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Instrument :
BNA_M
ClientSampleId :
C02L6

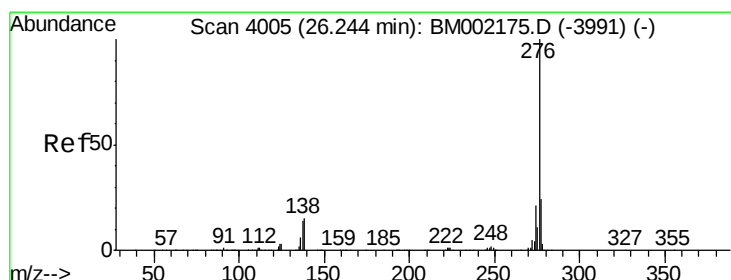
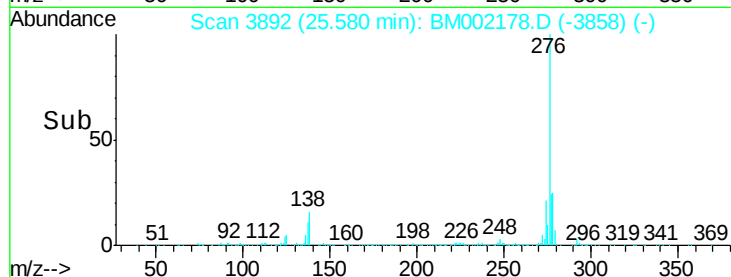
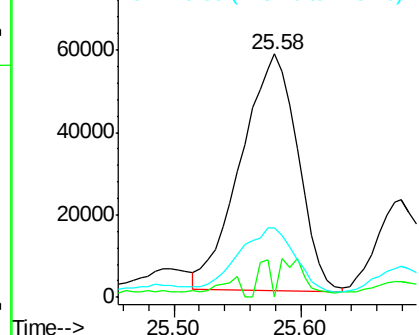
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	10.6	16.0#
279	28.6	18.5	27.7#

Manual Integrations
APPROVED

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8/3/2015 4:44:15 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



#94
Benzo(g,h,i)perylene
Concen: 23.38 ng/ul
RT: 26.26 min Scan# 4008
Delta R.T. 0.02 min
Lab File: BM002178.D
Acq: 02 Aug 2015 20:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	15.7	13.8	20.6
277	24.5	18.2	27.2

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

