

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002186.D
 Acq On : 03 Aug 2015 01:31
 Operator : TP
 Sample : G3095-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Manual Integrations
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MMDadoda
 8/3/2015 4:45:05 PM

Quant Time: Aug 03 03:37:23 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	7.56	152	104603	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	441067	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	269046	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	573175	20.00	ng/ul	0.02
78) Chrysene-d12	21.20	240	513385	20.00	ng/ul	0.02
86) Perylene-d12	23.40	264	460725	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2625	1.30	ng/uL	0.00
5) Phenol-d5	6.75	99	82464	11.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	40936	9.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	69238	10.92	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	70205	11.81	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	34135	10.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	37341	10.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	76819	11.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	59200	8.03	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	221021	11.22	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	269284	10.93	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	26021	7.91	ng/ul	0.02
58) Fluorene-d10	15.23	176	191525	11.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	2252	0.64	ng/ul	0.03
71) Anthracene-d10	17.09	188	284333	11.11	ng/ul	0.02
79) Pyrene-d10	19.40	212	268251	12.41	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.27	264	237359	10.63	ng/ul	0.04

Target Compounds

					Qvalue
6) Phenol	6.77	94	9595	1.25 ng/ul	95
14) Acetophenone	8.38	105	12923	1.37 ng/ul	98
28) Naphthalene	10.40	128	1919349	91.60 ng/ul	99
34) 2-Methylnaphthalene	12.02	142	272988	17.91 ng/ul	99
35) 1-Methylnaphthalene	12.25	142	133202	9.09 ng/ul	99
41) 1,1'-Biphenyl	13.05	154	106579	5.14 ng/ul	97
45) Dimethylphthalate	13.69	163	76733	3.90 ng/ul	99
48) Acenaphthylene	13.95	152	86796	3.41 ng/ul	98
50) Acenaphthene	14.30	153	1647774	98.87 ng/ul	99
54) Dibenzofuran	14.63	168	823660	34.46 ng/ul	99
59) Fluorene	15.29	166	1114288	56.40 ng/ul	99
70) Phenanthrene	17.06	178	10675027	359.57 ng/ul	94
72) Anthracene	17.13	178	2605850	85.86 ng/ul	99
75) Carbazole	17.40	167	1326733	51.18 ng/ul	99
77) Fluoranthene	19.21	202	40543	1.18 ng/ul	99
80) Pyrene	19.45	202	10832851	387.78 ng/ul#	91
83) Benzo(a)anthracene	21.19	228	5520315	193.97 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.10	149	22456	1.37 ng/ul#	97
85) Chrysene	21.25	228	4852427m	182.24 ng/ul	
88) Benzo(b)fluoranthene	22.76	252	6328219	244.44 ng/ul	96
89) Benzo(k)fluoranthene	22.80	252	1905512	76.28 ng/ul	97
91) Benzo(a)pyrene	23.33	252	4571341	182.93 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.66	276	2927378	101.66 ng/ul	96

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.64	278	735492	29.85	ng/ul#	93
94) Benzo(g,h,i)perylene	26.35	276	2687123	111.32	ng/ul	95

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

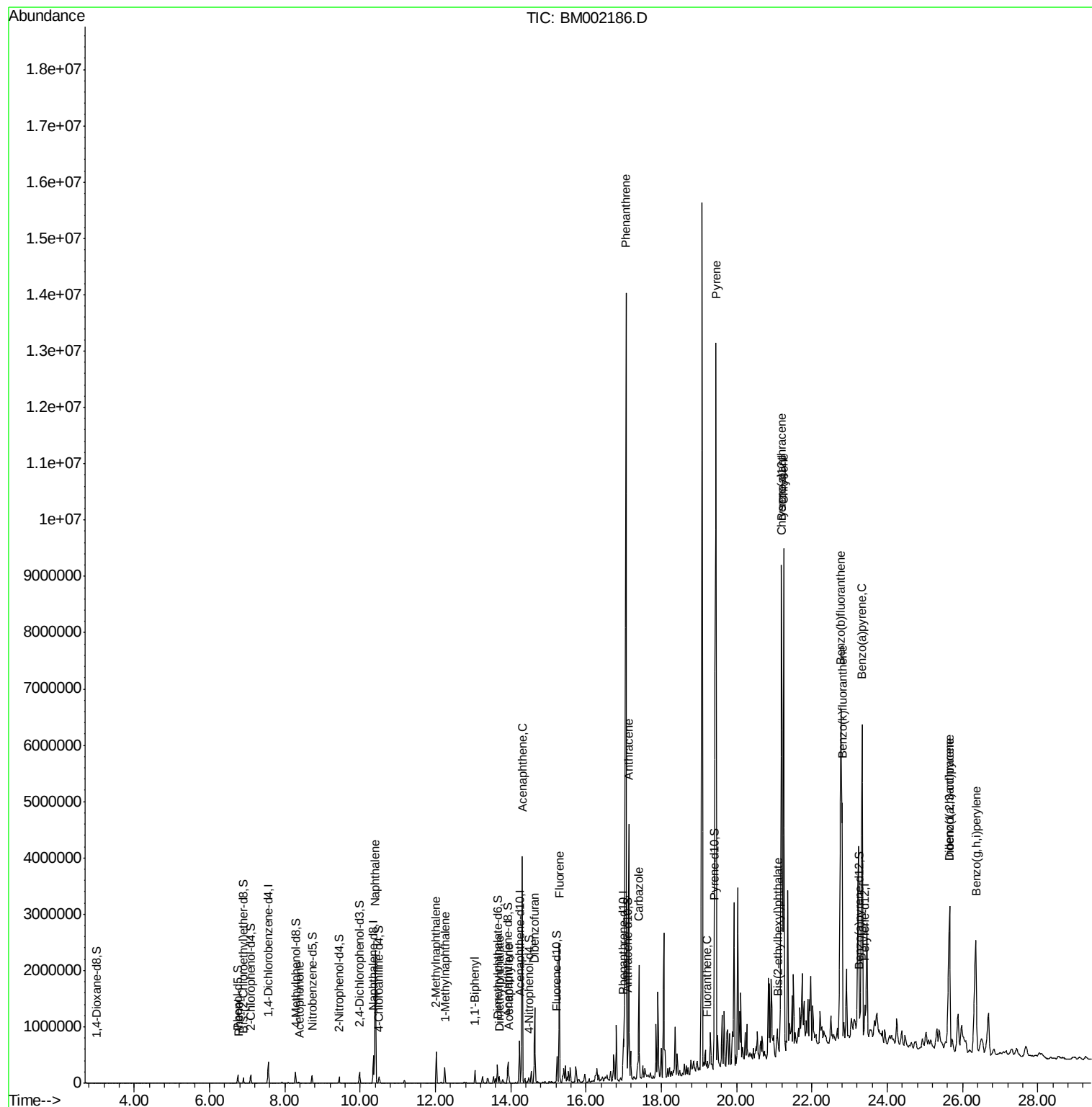
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Operator : TP
Sample : G3095-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

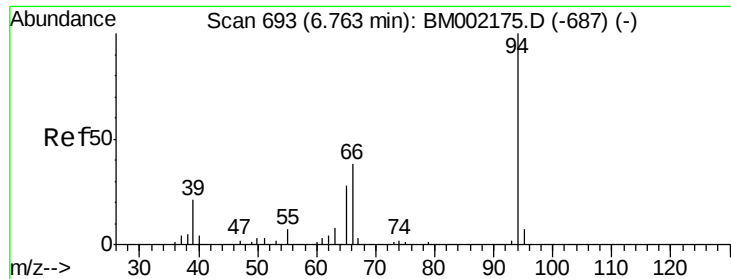
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Quant Title : SVOA CALIBRATION
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#6

Phenol

Concen: 1.25 ng/ul

RT: 6.77 min Scan# 694

Delta R.T. 0.01 min

Lab File: BM002186.D

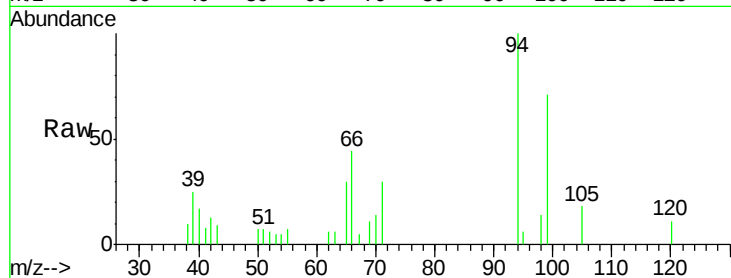
Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2



Tgt Ion: 94 Resp: 9595

Ion Ratio Lower Upper

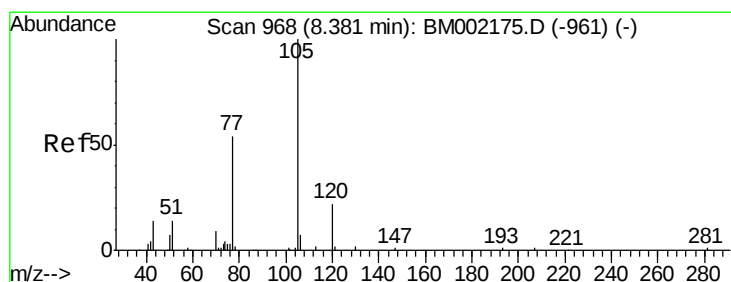
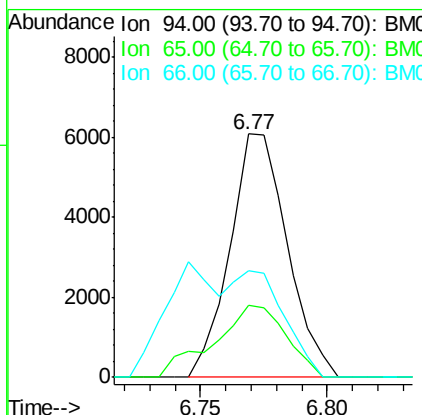
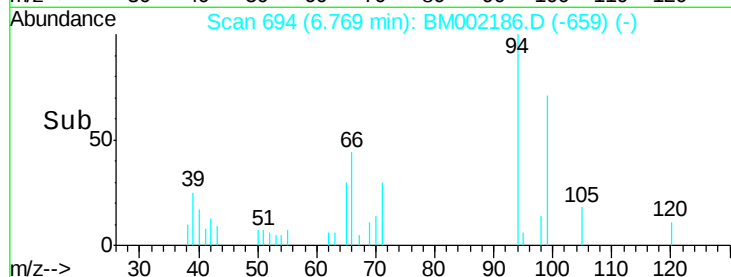
94 100

65 29.7 21.8 32.8

66 43.8 32.3 48.5

Manual Integrations
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#14

Acetophenone

Concen: 1.37 ng/ul

RT: 8.38 min Scan# 968

Delta R.T. -0.00 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

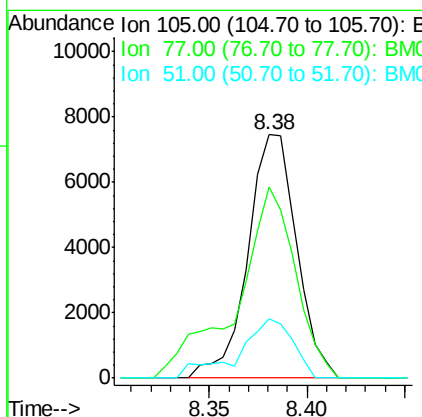
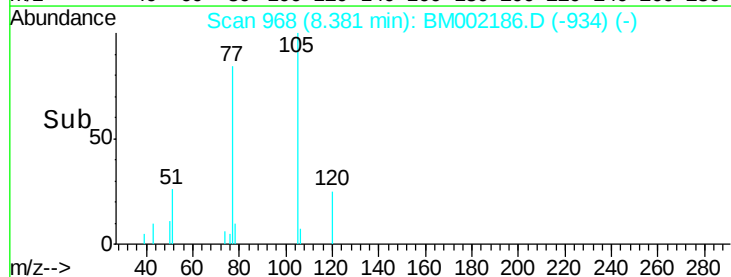
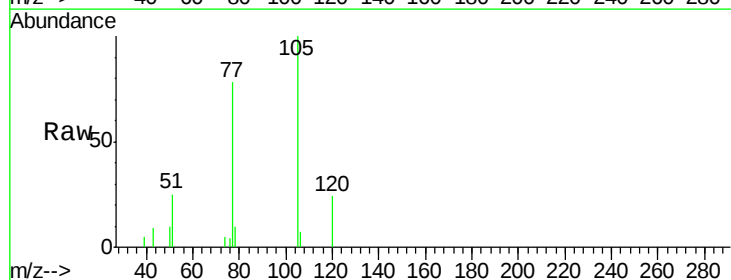
Tgt Ion: 105 Resp: 12923

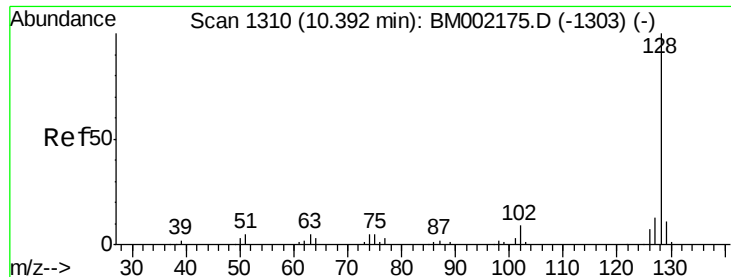
Ion Ratio Lower Upper

105 100

77 78.3 61.8 92.8

51 24.5 18.5 27.7





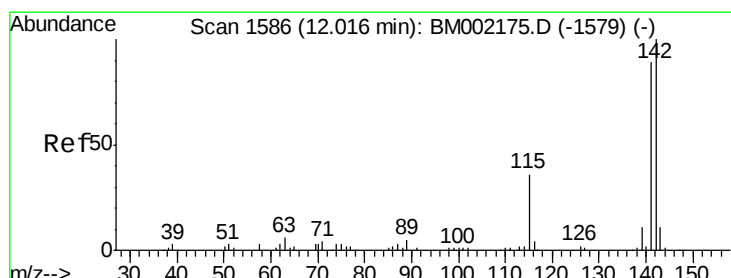
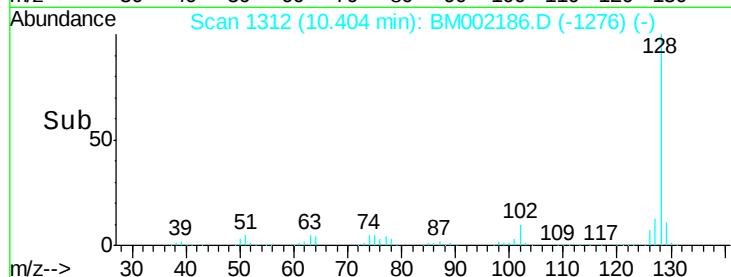
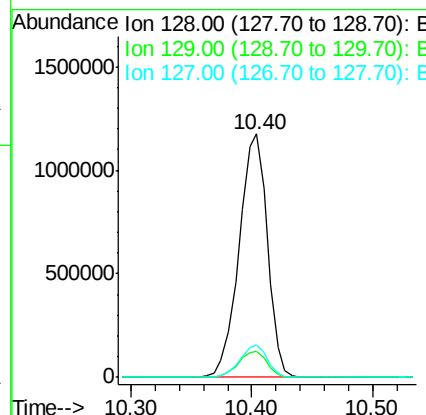
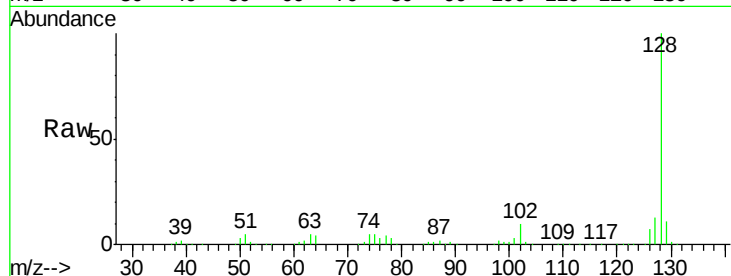
#28
Naphthalene
Concen: 91.60 ng/ul
RT: 10.40 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	13.1	10.2	15.4

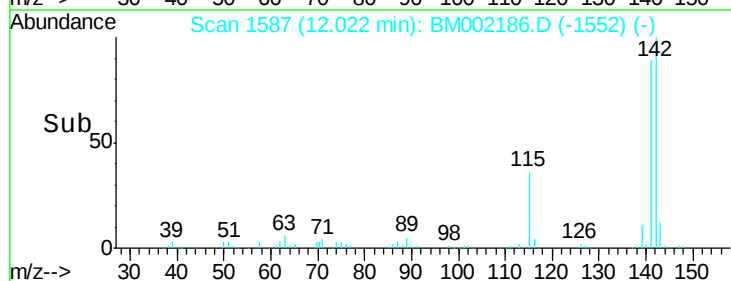
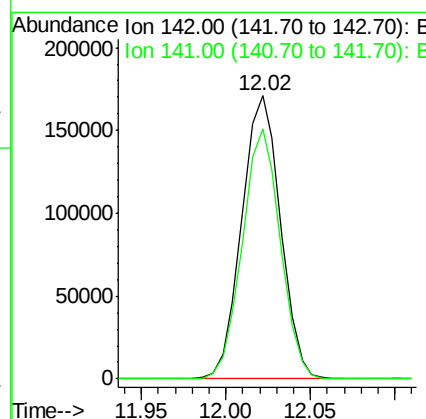
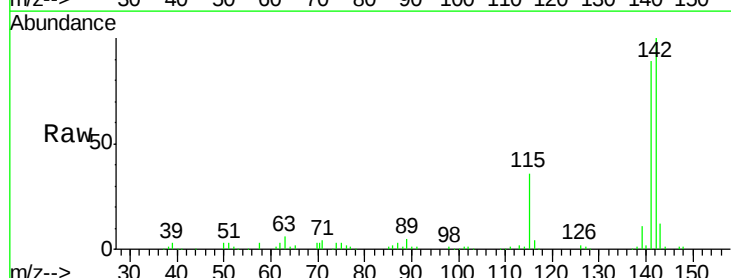
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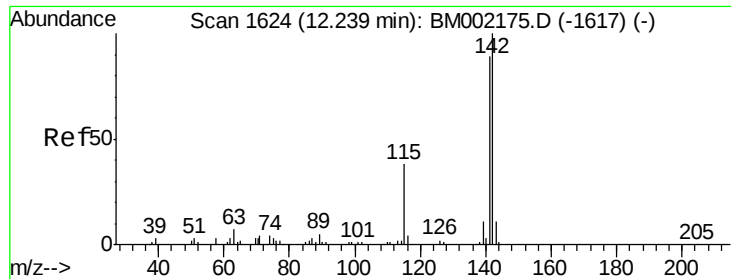
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#34
2-Methylnaphthalene
Concen: 17.91 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	69.8	104.6





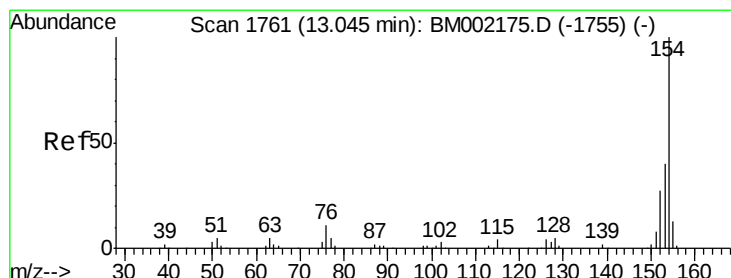
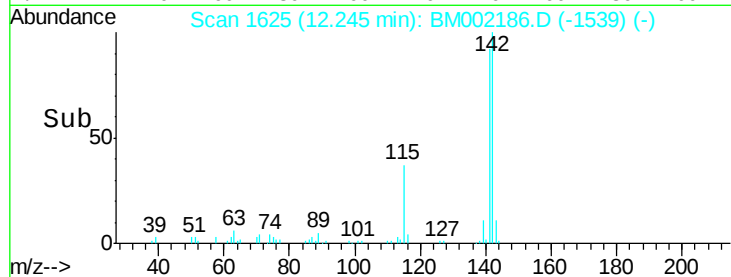
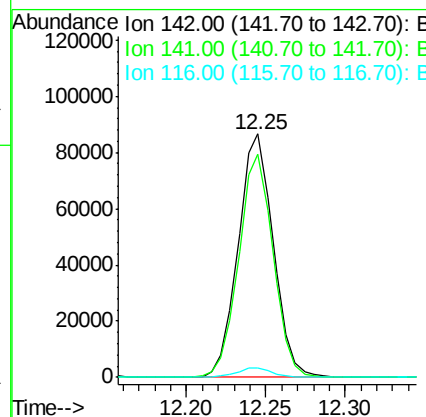
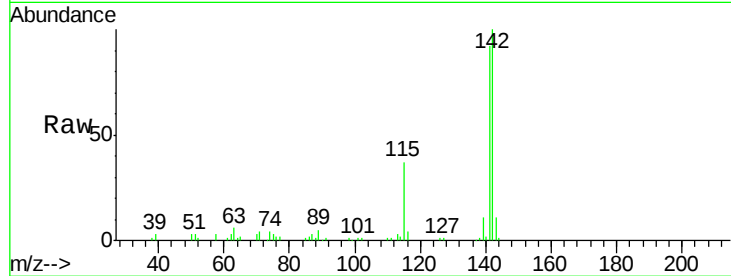
#35
 1-Methylnaphthalene
 Concen: 9.09 ng/ul
 RT: 12.25 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
142	100	133202		
141	91.7	72.4	108.6	
116	3.8	3.2	4.8	

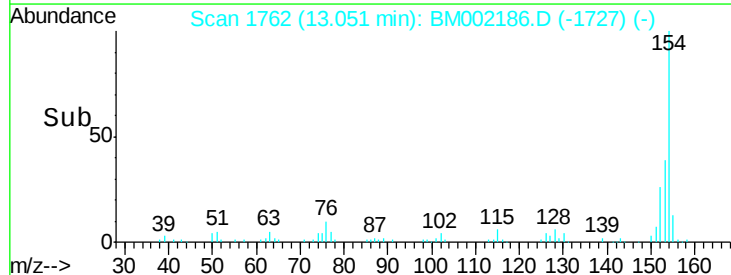
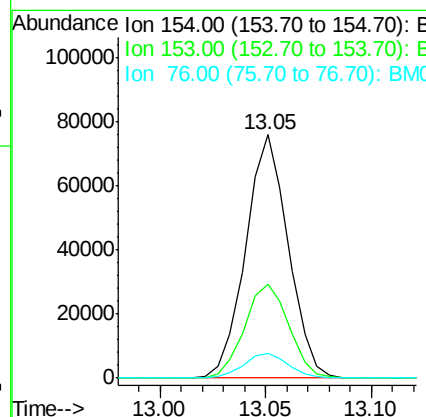
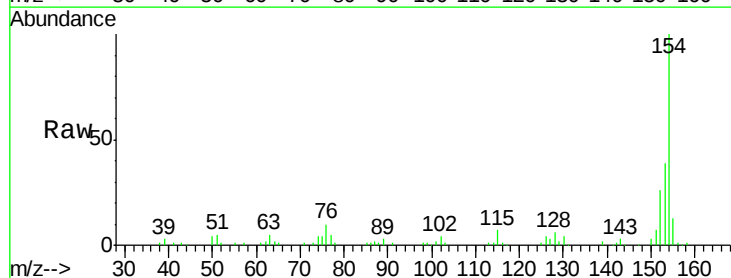
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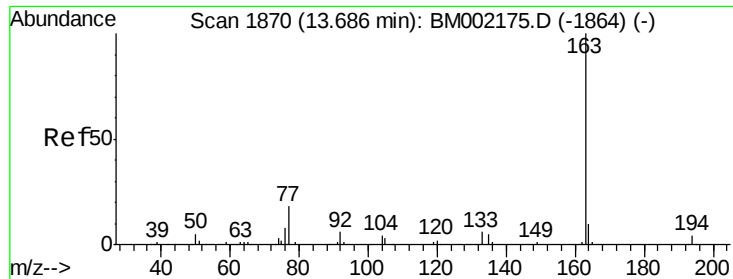
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#41
 1,1'-Biphenyl
 Concen: 5.14 ng/ul
 RT: 13.05 min Scan# 1762
 Delta R.T. 0.01 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	106579		
153	38.6	32.5	48.7	
76	10.0	8.8	13.2	





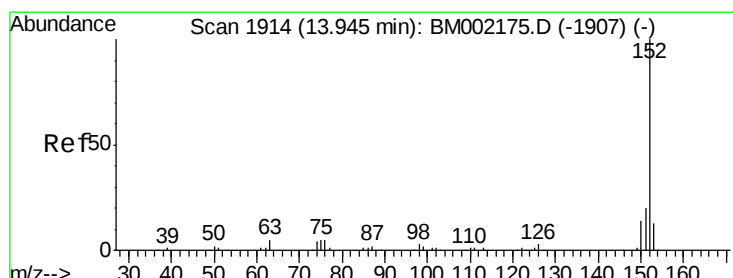
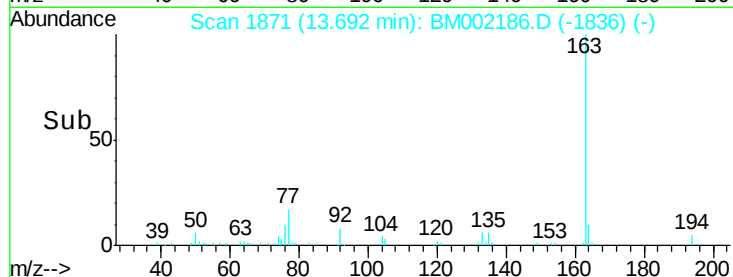
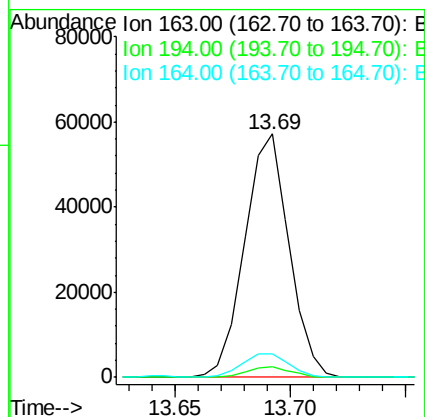
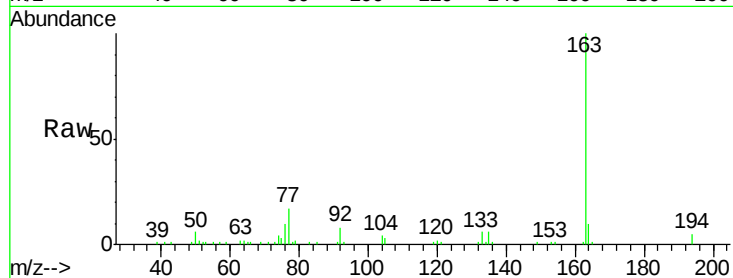
#45
Dimethylphthalate
Concen: 3.90 ng/ul
RT: 13.69 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

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Tgt Ion:	163	Resp:	76733
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.5	5.3
164	9.6	8.0	12.0

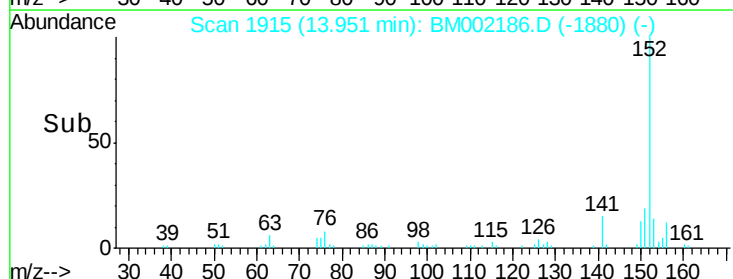
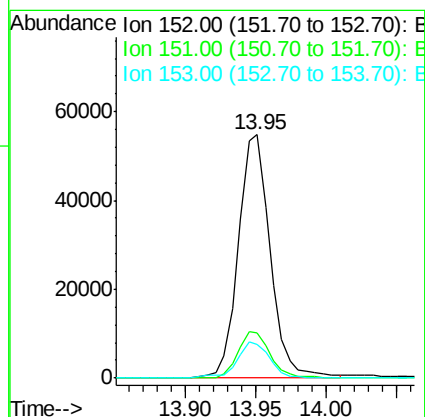
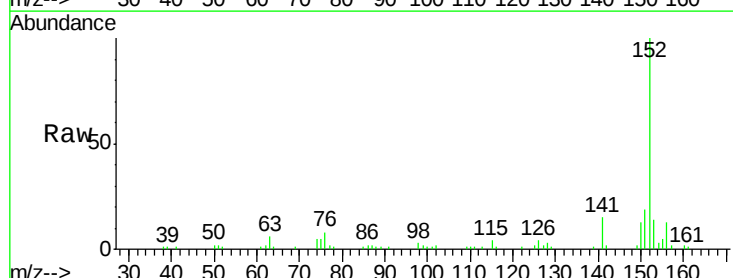
Manual Integrations
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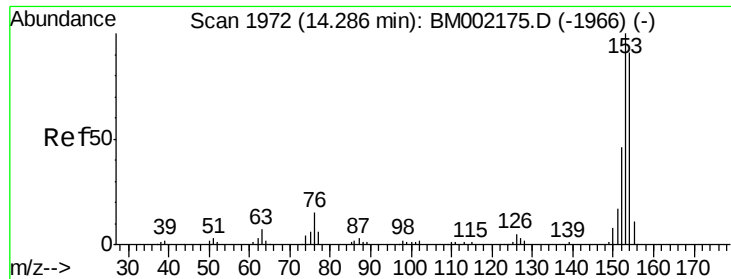
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#48
Acenaphthylene
Concen: 3.41 ng/ul
RT: 13.95 min Scan# 1915
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:	152	Resp:	86796
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.6	23.4
153	14.0	10.3	15.5





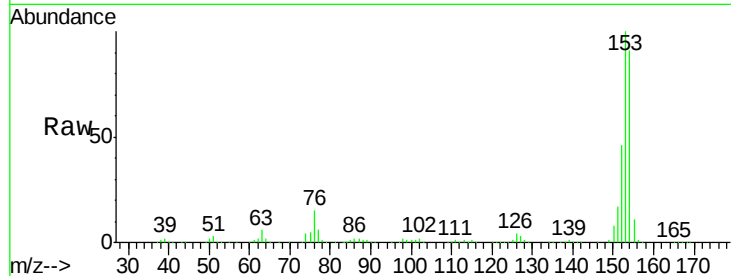
#50
Acenaphthene
Concen: 98.87 ng/ul
RT: 14.30 min Scan# 1975
Delta R.T. 0.02 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
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ClientSampleId :
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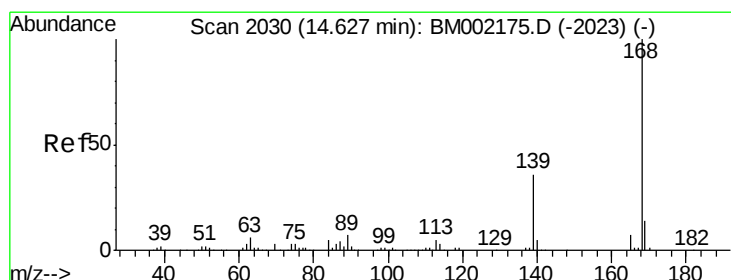
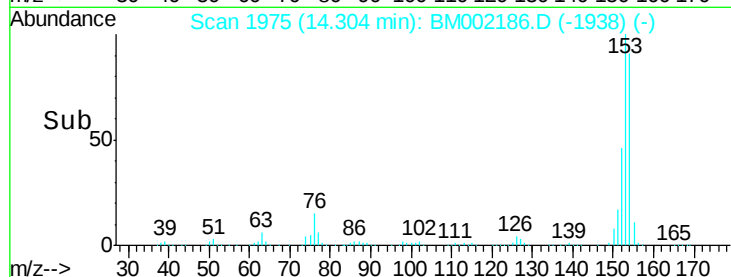
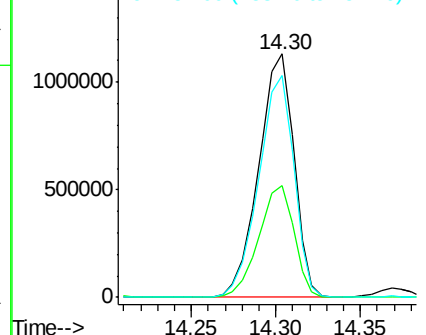
Tgt Ion:153 Resp: 1647774
Ion Ratio Lower Upper
153 100
152 46.2 37.3 55.9
154 90.9 71.4 107.2

Manual Integrations
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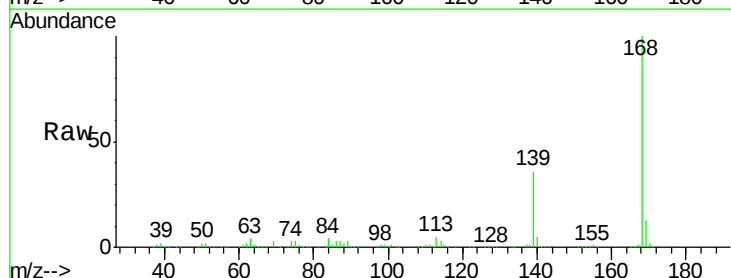


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

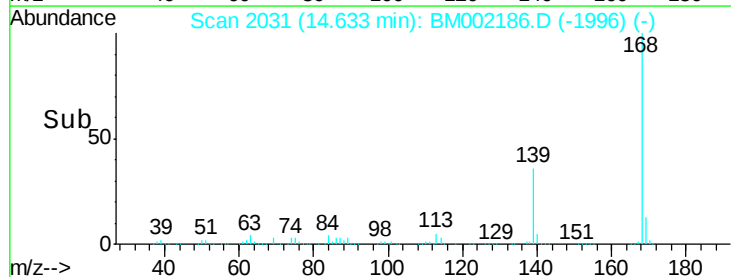
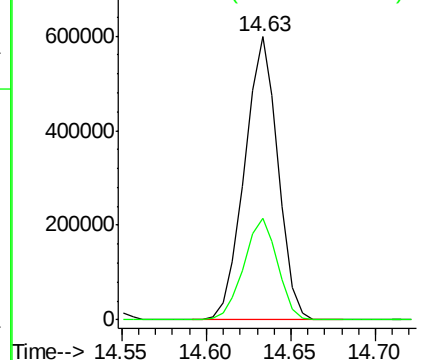


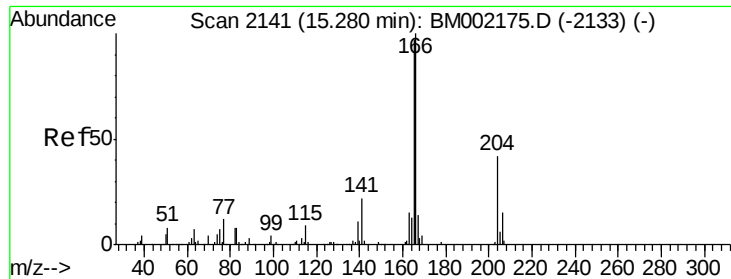
#54
Dibenzofuran
Concen: 34.46 ng/ul
RT: 14.63 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:168 Resp: 823660
Ion Ratio Lower Upper
168 100
139 35.8 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





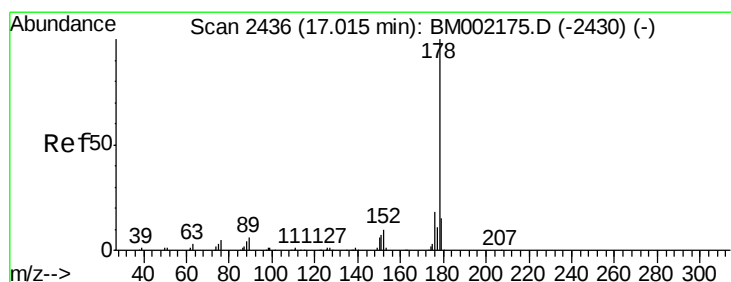
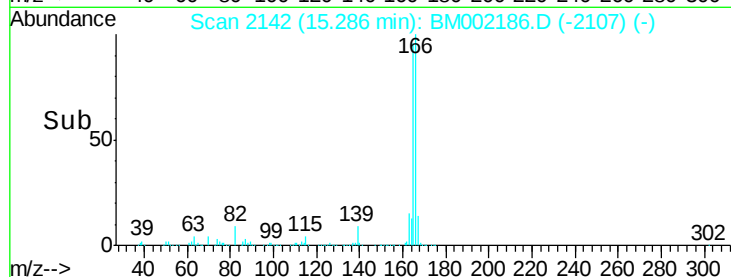
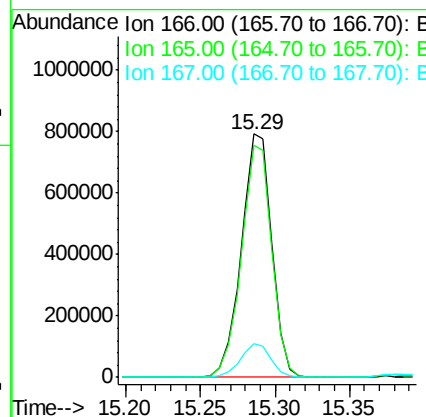
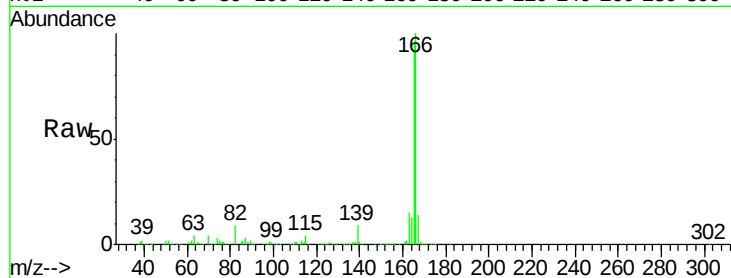
#59
 Fluorene
 Concen: 56.40 ng/ul
 RT: 15.29 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Tgt Ion:166 Resp: 1114288
 Ion Ratio Lower Upper
 166 100
 165 95.6 75.6 113.4
 167 13.9 10.5 15.7

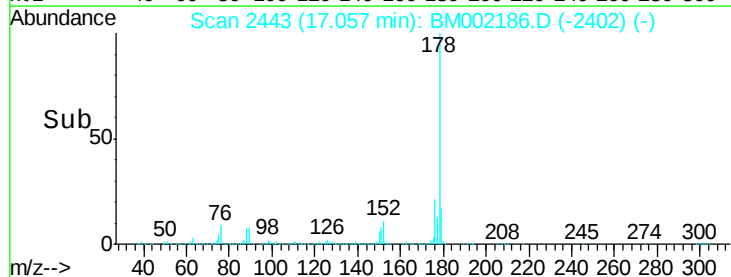
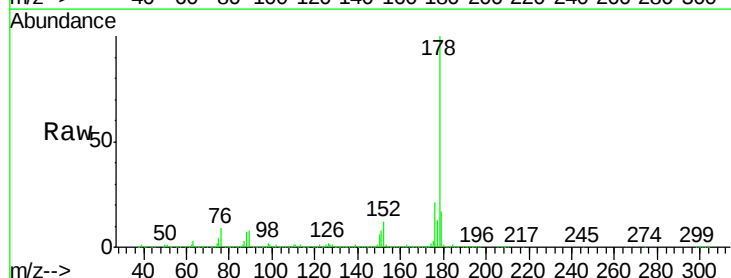
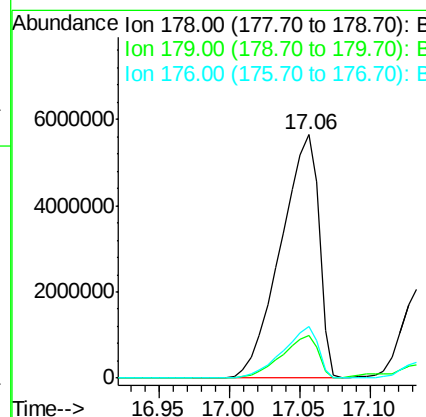
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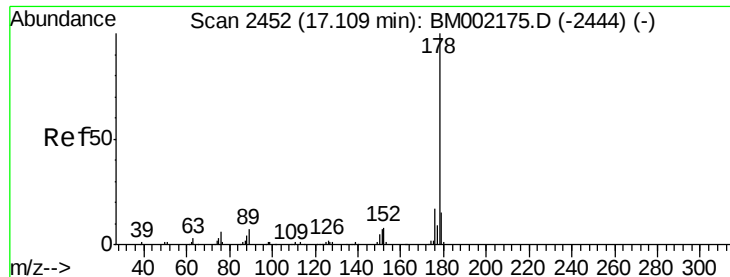
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#70
 Phenanthrene
 Concen: 359.57 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.04 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Tgt Ion:178 Resp:10675027
 Ion Ratio Lower Upper
 178 100
 179 17.5 12.5 18.7
 176 21.0 14.2 21.4





#72

Anthracene

Concen: 85.86 ng/ul

RT: 17.13 min Scan# 2456

Delta R.T. 0.02 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Instrument :

BNA_M

ClientSampleId :

C01S2

Tgt Ion:178 Resp: 2605850

Ion Ratio Lower Upper

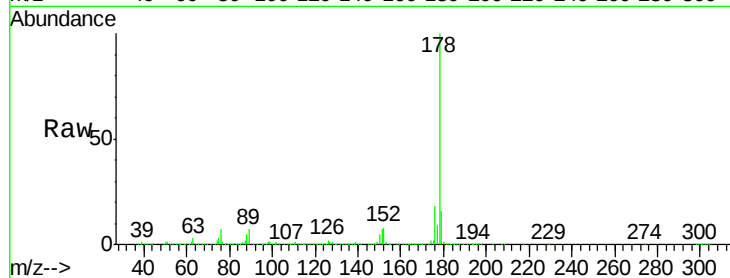
178 100

179 15.6 12.1 18.1

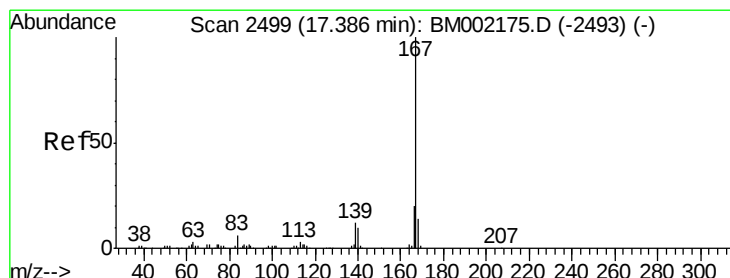
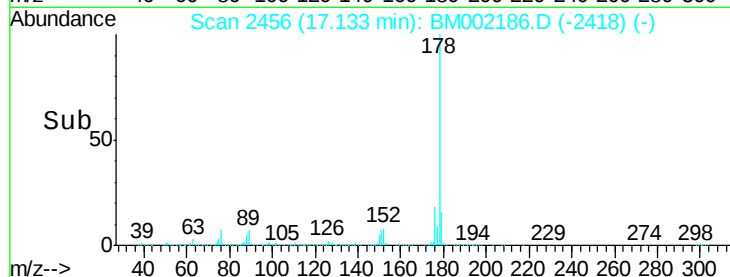
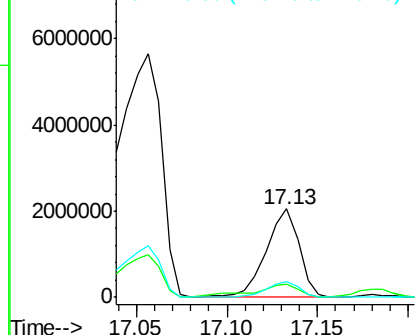
176 17.7 14.1 21.1

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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



#75

Carbazole

Concen: 51.18 ng/ul

RT: 17.40 min Scan# 2502

Delta R.T. 0.02 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

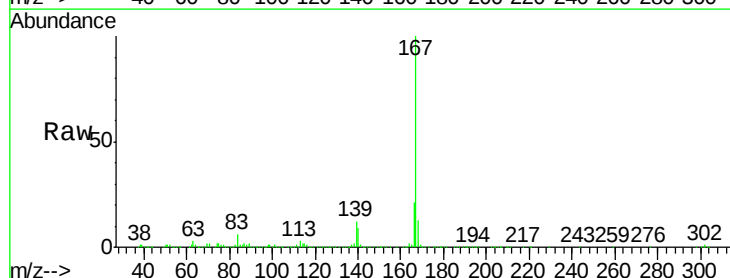
Tgt Ion:167 Resp: 1326733

Ion Ratio Lower Upper

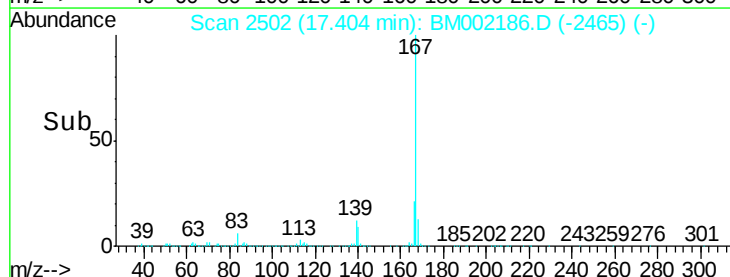
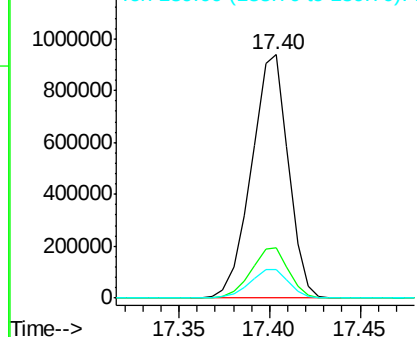
167 100

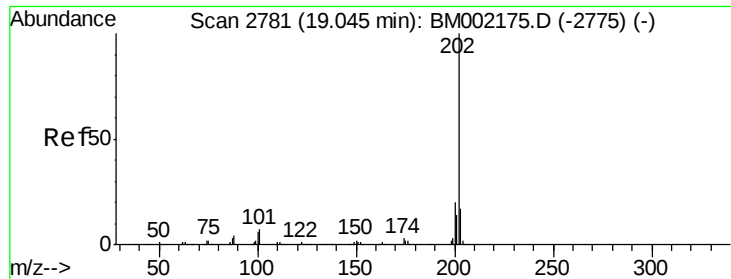
166 20.7 16.2 24.4

139 11.7 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





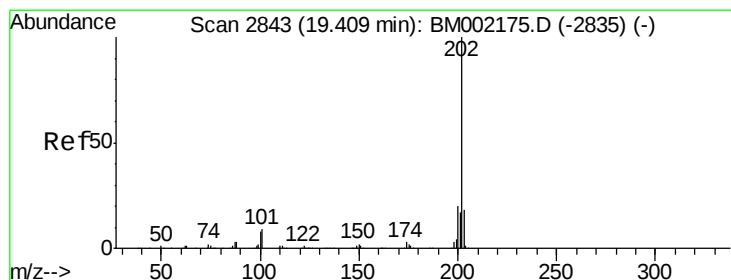
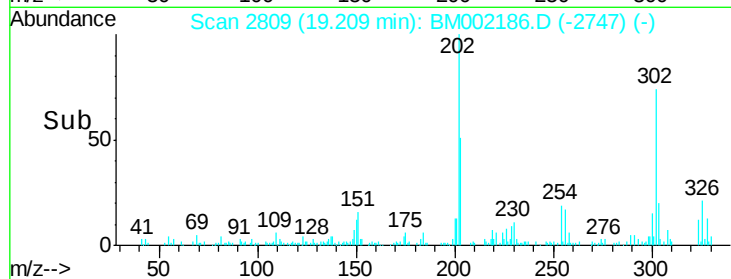
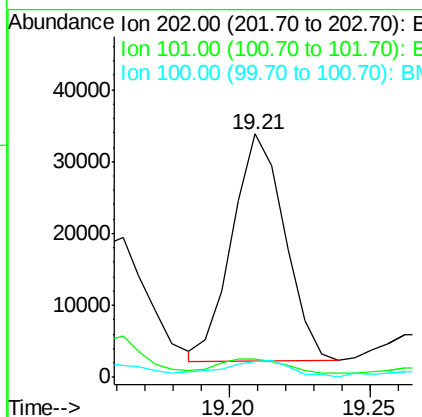
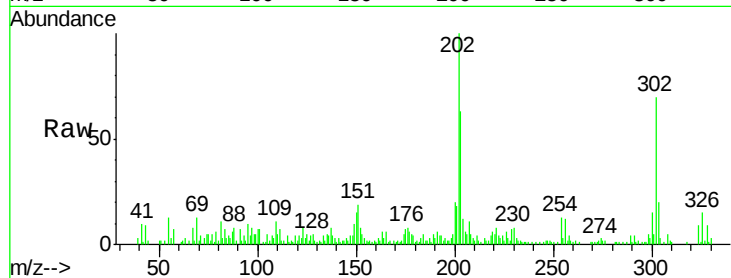
#77
Fluoranthene
 Concen: 1.18 ng/ul
 RT: 19.21 min Scan# 2809
 Delta R.T. 0.16 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Tgt Ion:	202	Resp:	40543
Ion Ratio	Lower	Upper	
202	100		
101	7.5	6.2	9.4
100	6.6	5.2	7.8

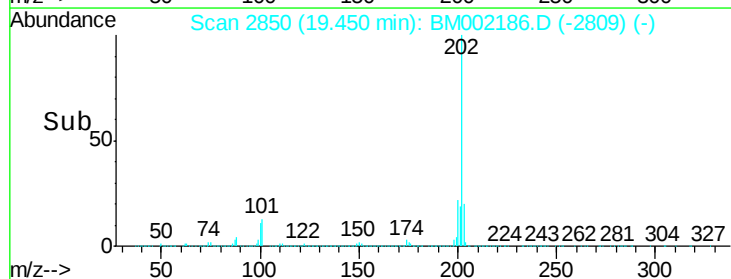
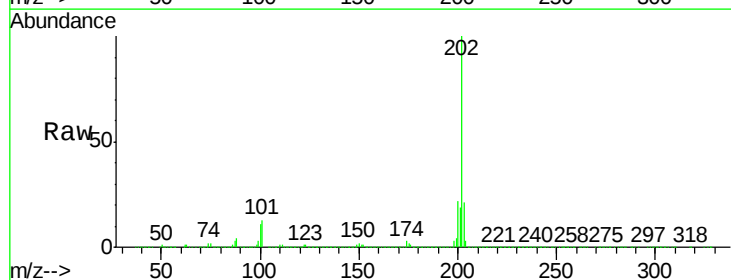
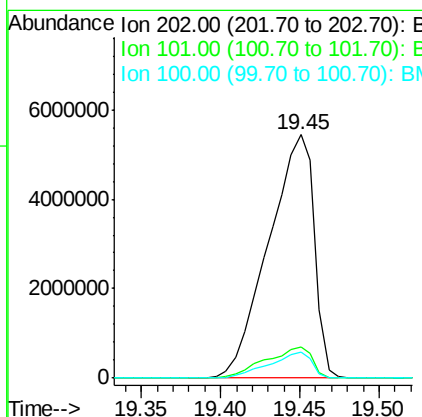
Manual Integrations
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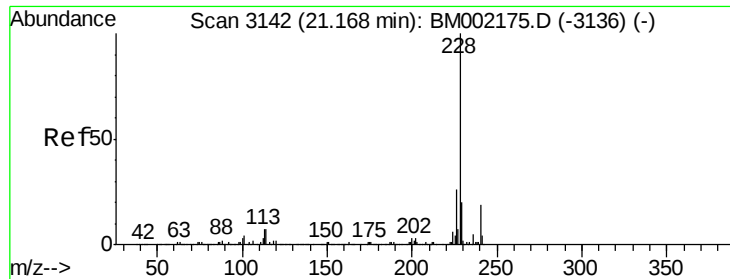
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#80
Pyrene
 Concen: 387.78 ng/ul
 RT: 19.45 min Scan# 2850
 Delta R.T. 0.04 min
 Lab File: BM002186.D
 Acq: 03 Aug 2015 01:31

Tgt Ion:	202	Resp:	10832851
Ion Ratio	Lower	Upper	
202	100		
101	12.9	7.4	11.2#
100	10.6	6.3	9.5#





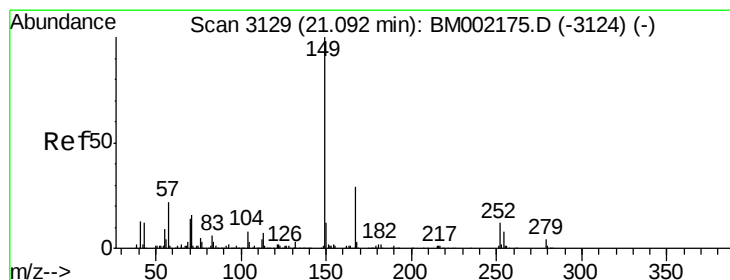
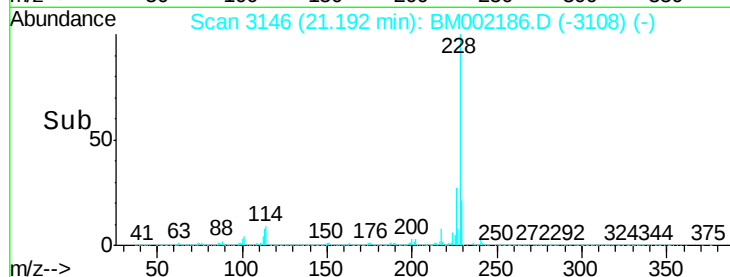
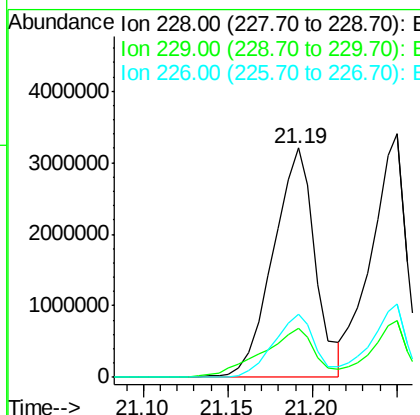
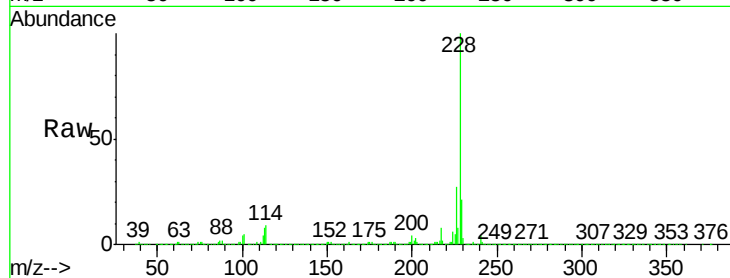
#83
Benzo(a)anthracene
Concen: 193.97 ng/ul
RT: 21.19 min Scan# 3146
Delta R.T. 0.02 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.2
226	27.5	20.5	30.7

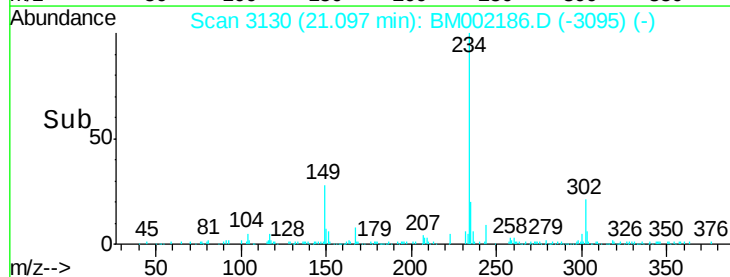
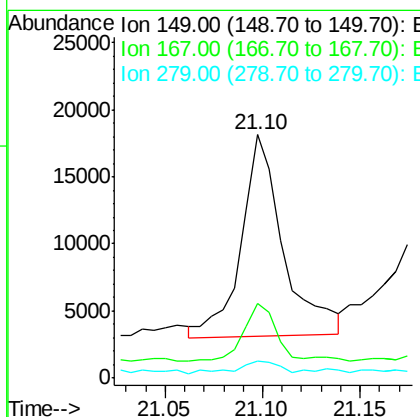
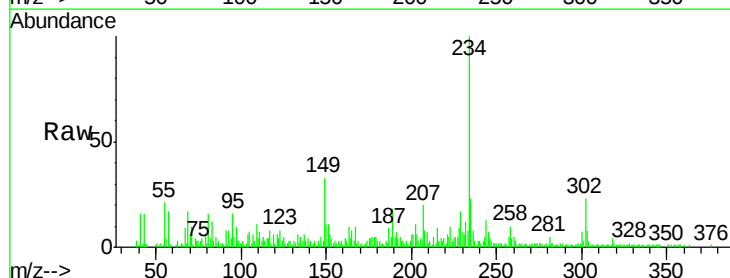
Manual Integrations
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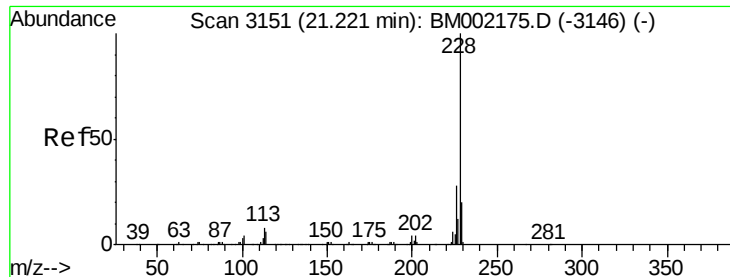
MMDadoda
8/3/2015 4:45:05 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 1.37 ng/ul
RT: 21.10 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.7	23.6	35.4
279	7.1	4.2	6.4#





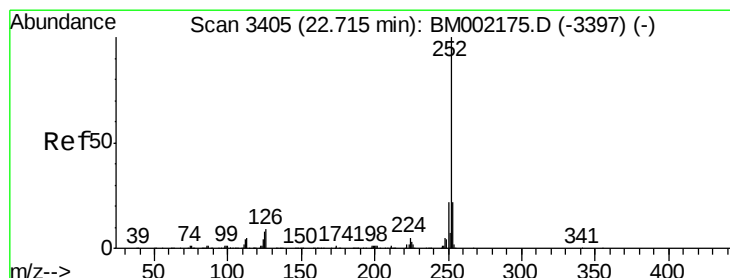
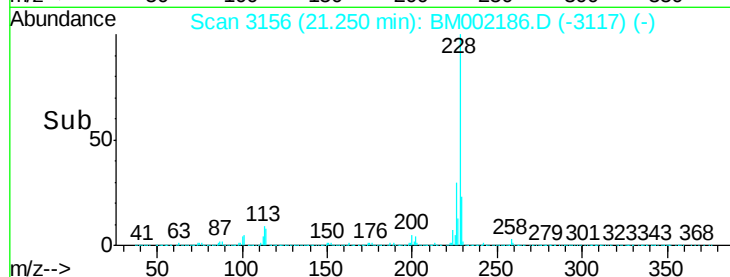
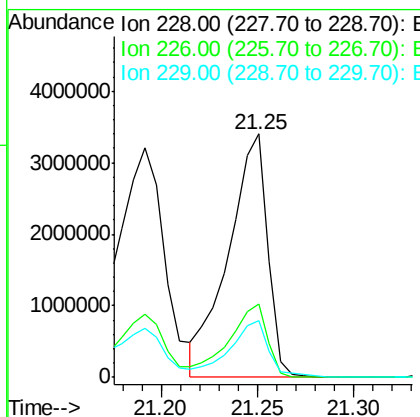
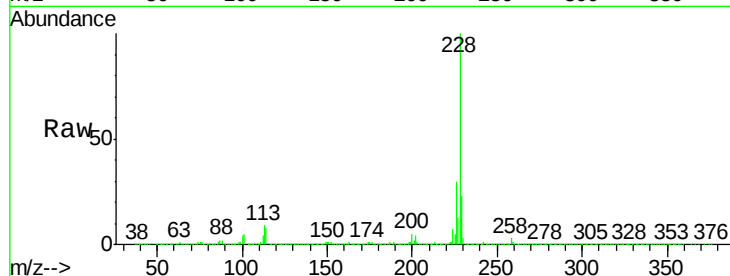
#85
Chrysene
Concen: 182.24 ng/ul m
RT: 21.25 min Scan# 3156
Delta R.T. 0.03 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion:228 Resp: 4852427
Ion Ratio Lower Upper
228 100
226 30.1 22.3 33.5
229 23.4 15.5 23.3#

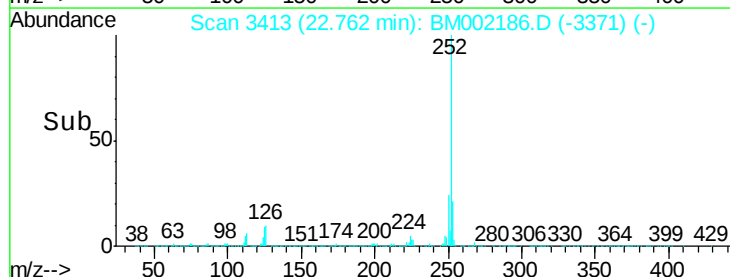
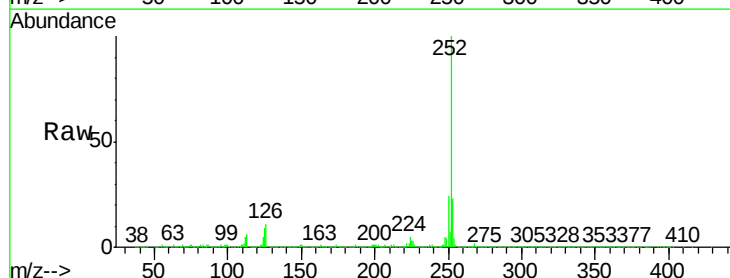
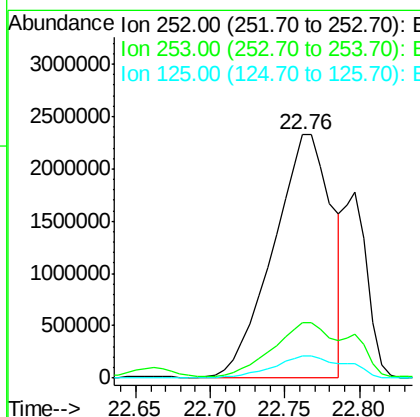
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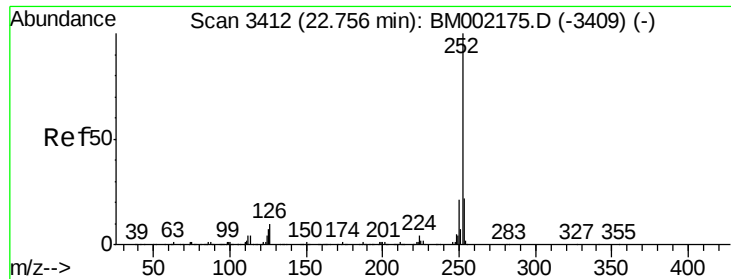
MMDadoda
8/3/2015 4:45:05 PM



#88
Benzo(b)fluoranthene
Concen: 244.44 ng/ul
RT: 22.76 min Scan# 3413
Delta R.T. 0.05 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion:252 Resp: 6328219
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 9.1 6.2 9.2





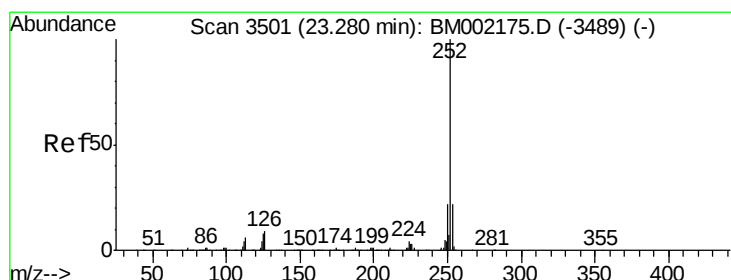
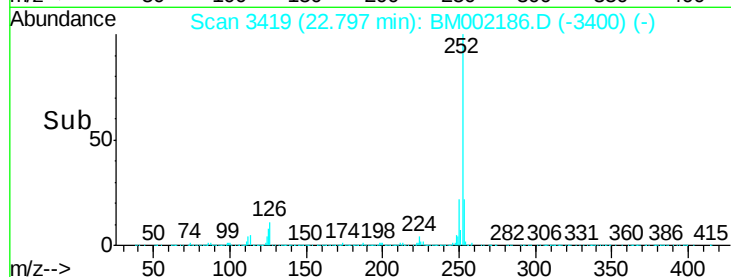
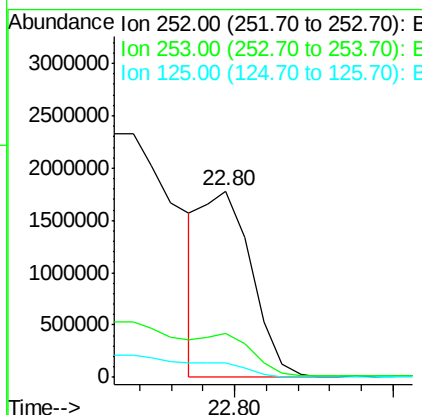
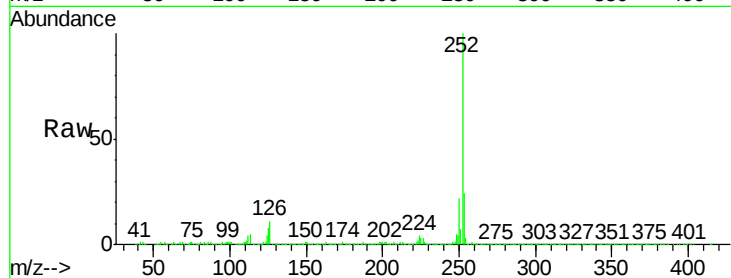
#89
Benzo(k)fluoranthene
Concen: 76.28 ng/ul
RT: 22.80 min Scan# 3419
Delta R.T. 0.04 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.0
125	7.9	6.2	9.4

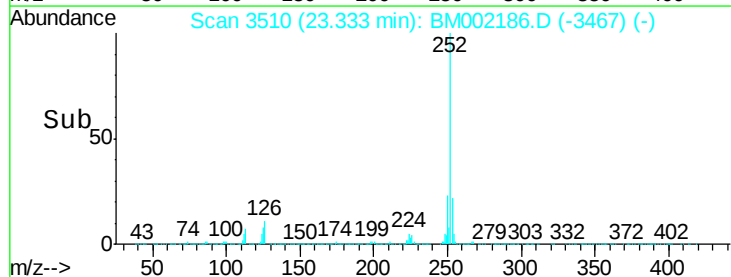
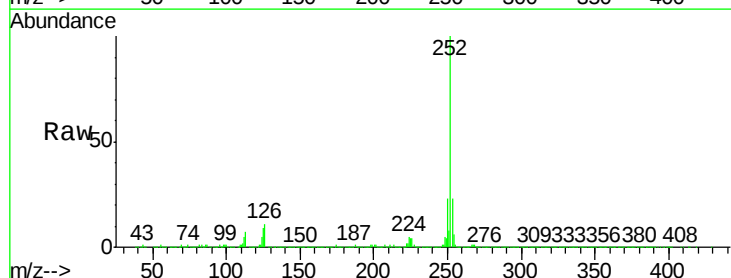
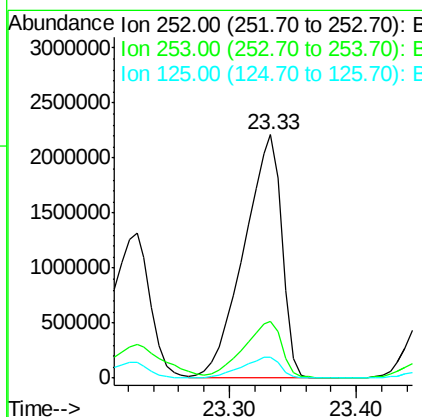
Manual Integrations
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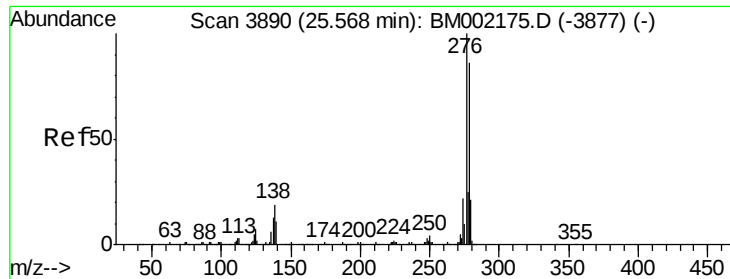
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#91
Benzo(a)pyrene
Concen: 182.93 ng/ul
RT: 23.33 min Scan# 3510
Delta R.T. 0.05 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	8.6	6.6	10.0





#92

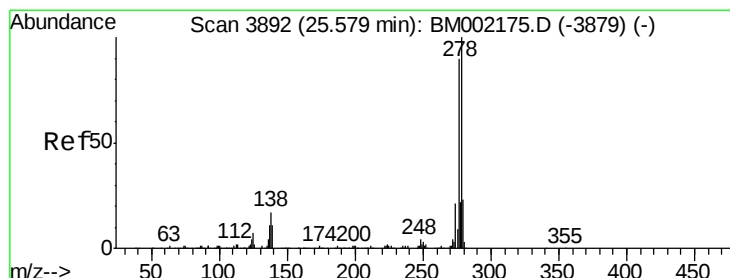
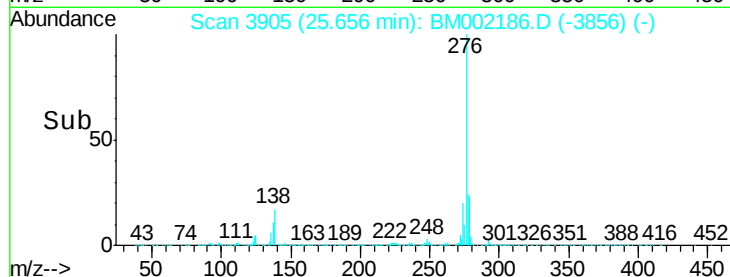
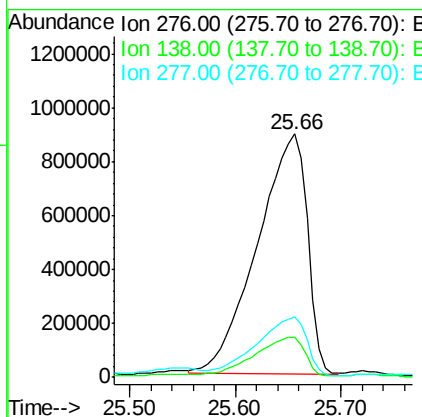
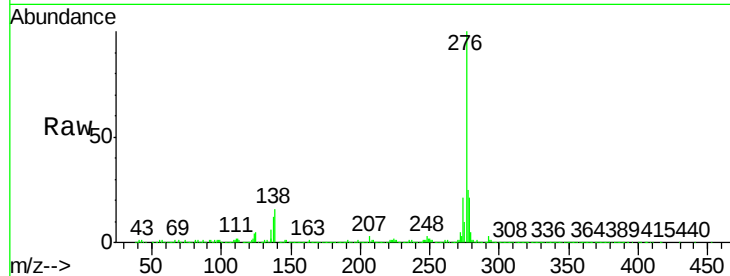
Indeno(1,2,3-cd)pyrene
Concen: 101.66 ng/ul
RT: 25.66 min Scan# 3905
Delta R.T. 0.09 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Instrument :
BNA_M
ClientSampleId :
C01S2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	16.2	24.2
277	24.7	19.8	29.8

Manual Integrations
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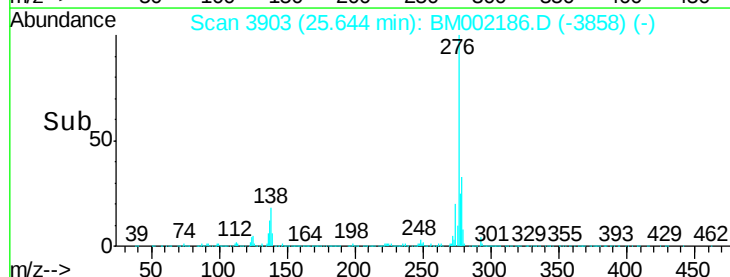
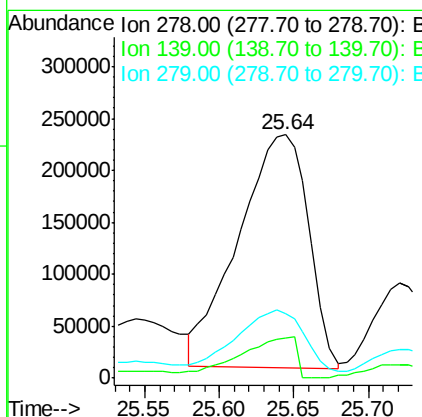
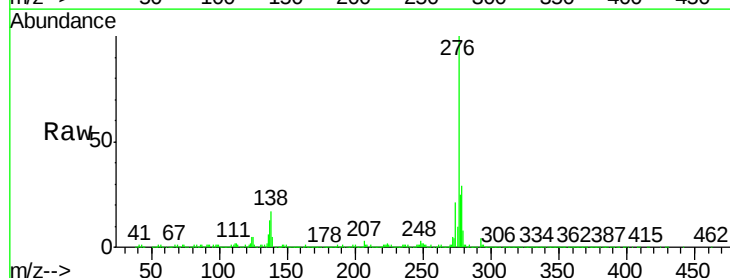
MMDadoda
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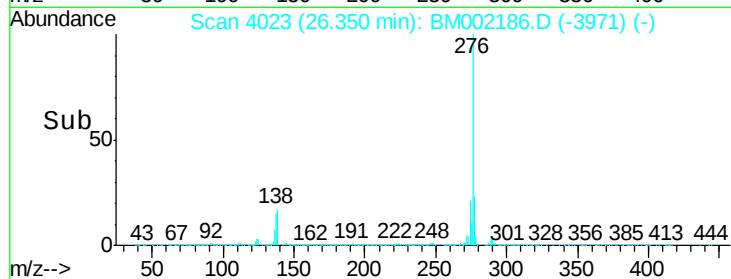
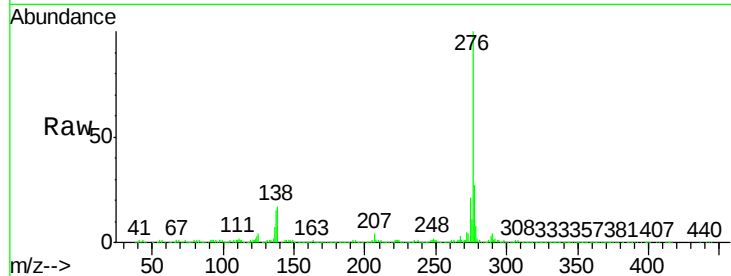
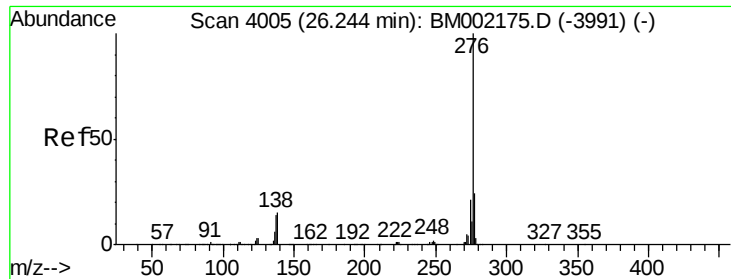


#93

Dibenzo(a,h)anthracene
Concen: 29.85 ng/ul
RT: 25.64 min Scan# 3903
Delta R.T. 0.06 min
Lab File: BM002186.D
Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	10.6	16.0#
279	26.3	18.5	27.7





#94

Benzo(g,h,i)perylene

Concen: 111.32 ng/ul

RT: 26.35 min Scan# 4023

Delta R.T. 0.11 min

Lab File: BM002186.D

Acq: 03 Aug 2015 01:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.8	20.6
277	26.6	18.2	27.2

Instrument :

BNA_M

ClientSampleId :

C01S2

Manual Integrations
APPROVED

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