

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002189.D
 Acq On : 03 Aug 2015 03:20
 Operator : TP
 Sample : G3095-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Manual Integrations
 APPROVED

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 8/3/2015 4:45:19 PM

Quant Time: Aug 03 04:50:29 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	115600	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	481536	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	284027	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.99	188	612408	20.00	ng/ul	0.01
78) Chrysene-d12	21.20	240	545219	20.00	ng/ul	0.02
86) Perylene-d12	23.40	264	494227	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2674	1.20	ng/uL	0.00
5) Phenol-d5	6.75	99	83489	10.10	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.90	67	43491	9.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	70868	10.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	69612	10.60	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	33860	9.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	36702	9.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	78069	10.66	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	52564	6.53	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	222948	10.72	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	282669	10.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	27428	7.90	ng/ul	0.02
58) Fluorene-d10	15.23	176	201645	11.02	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	1458	0.39	ng/ul	0.02
71) Anthracene-d10	17.09	188	298841	10.93	ng/ul	0.01
79) Pyrene-d10	19.40	212	292180	12.73	ng/ul	0.02
90) Benzo(a)pyrene-d12	23.26	264	254074	10.60	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.40	128	96854	4.23	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	34450	2.07	ng/ul	100
35) 1-Methylnaphthalene	12.24	142	32936	2.06	ng/ul	98
45) Dimethylphthalate	13.69	163	67054	3.23	ng/ul	99
48) Acenaphthylene	13.95	152	335096	12.48	ng/ul	100
50) Acenaphthene	14.29	153	170472	9.69	ng/ul	99
54) Dibenzofuran	14.63	168	112611	4.46	ng/ul	96
59) Fluorene	15.29	166	206449	9.90	ng/ul	99
70) Phenanthrene	17.04	178	3886364	122.52	ng/ul	99
72) Anthracene	17.12	178	962738	29.69	ng/ul	99
75) Carbazole	17.40	167	246725	8.91	ng/ul	98
77) Fluoranthene	19.07	202	6584949	179.79	ng/ul#	95
80) Pyrene	19.44	202	6602878	222.56	ng/ul#	95
83) Benzo(a)anthracene	21.19	228	3212922	106.30	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.11	149	3230071	186.19	ng/ul	99
85) Chrysene	21.24	228	2999038	106.06	ng/ul	96
88) Benzo(b)fluoranthene	22.76	252	3490763	125.70	ng/ul	97
89) Benzo(k)fluoranthene	22.79	252	1020583m	38.09	ng/ul	
91) Benzo(a)pyrene	23.32	252	2564640	95.67	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.64	276	1631420	52.81	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	456045	17.25	ng/ul#	94
94) Benzo(g,h,i)perylene	26.33	276	1489764	57.53	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

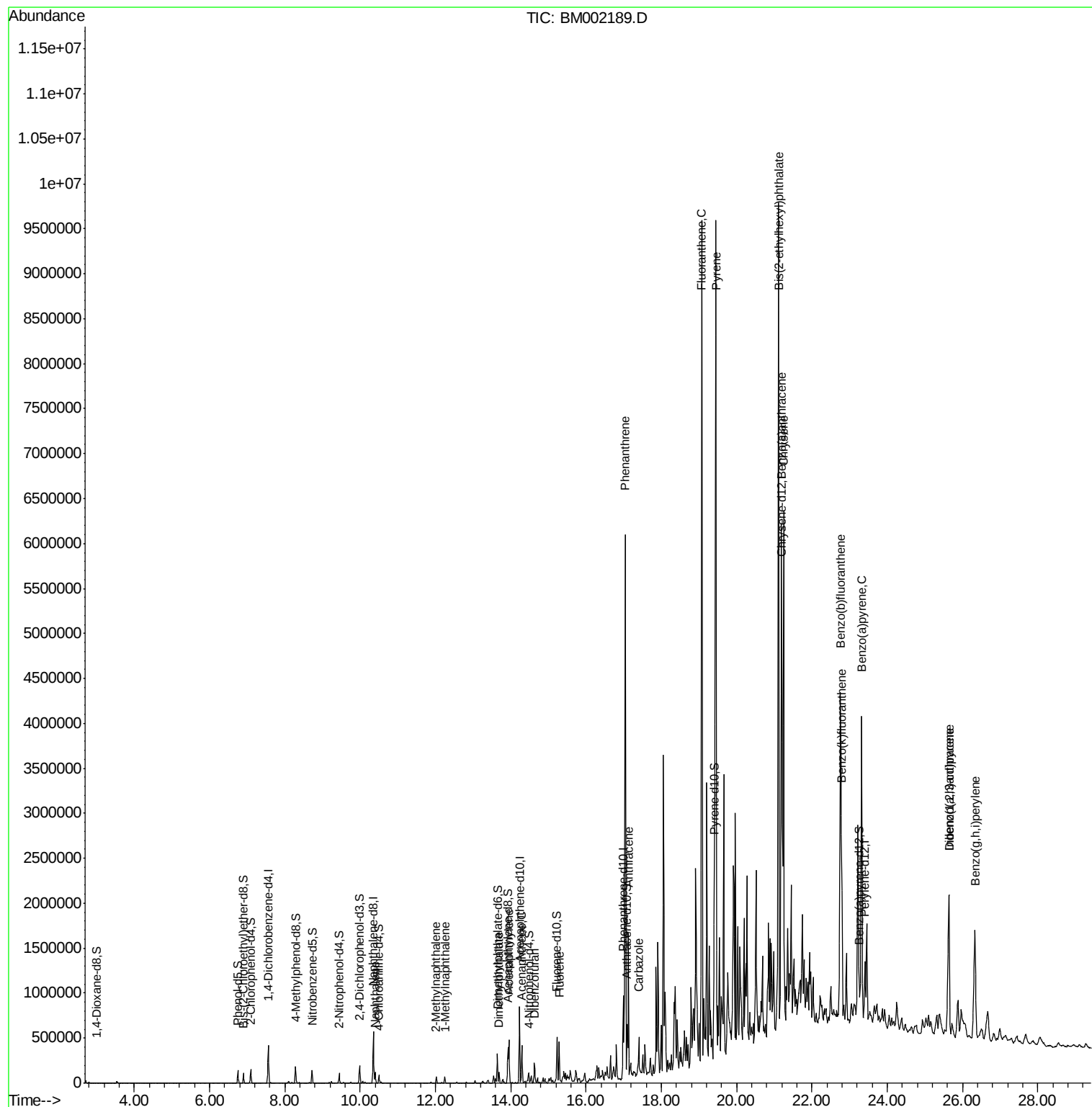
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002189.D
Acq On : 03 Aug 2015 03:20
Operator : TP
Sample : G3095-20
Misc :
ALS Vial : 27 Sample Multiplier: 1

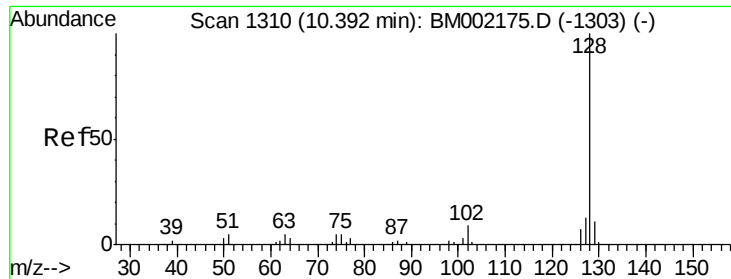
Instrument :
BNA_M
ClientSampled :
C01M4

Quant Time: Aug 03 04:50:29 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
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Manual Integrations
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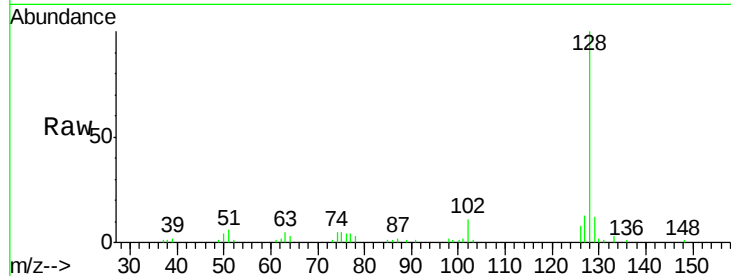
#28
Naphthalene
Concen: 4.23 ng/ul
RT: 10.40 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

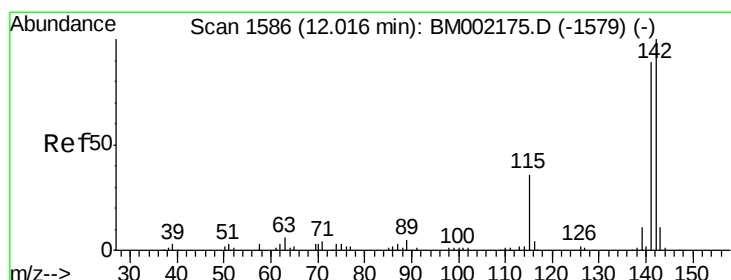
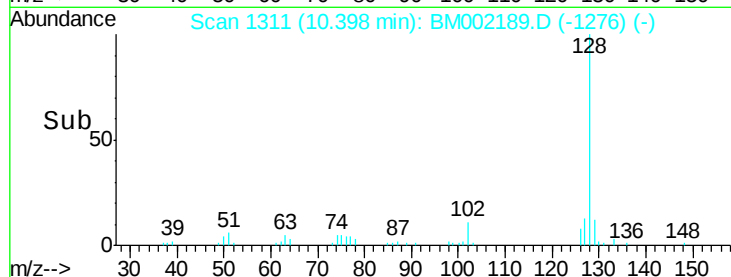
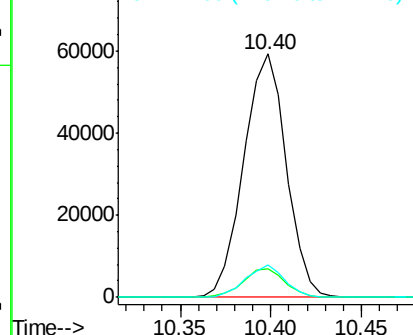
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	13.1	10.2	15.4

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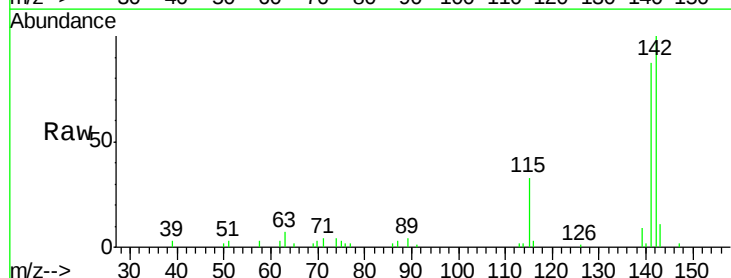


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

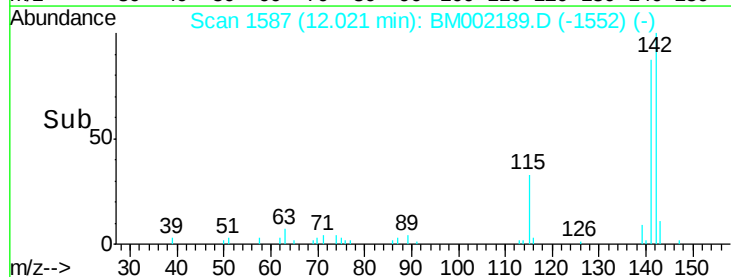
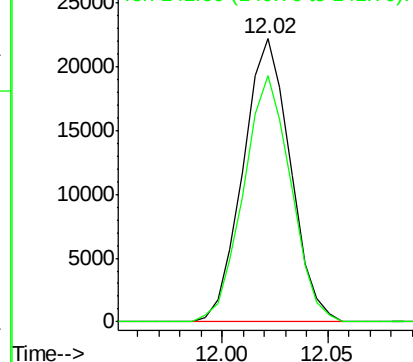


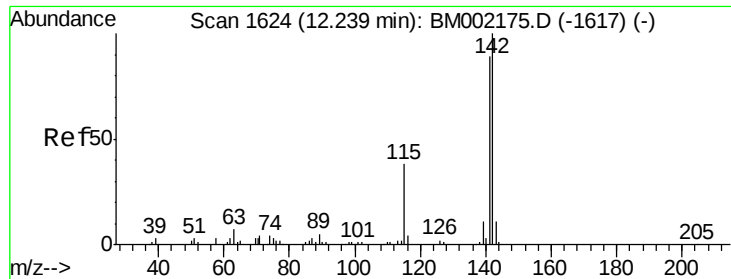
#34
2-Methylnaphthalene
Concen: 2.07 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.8	104.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#35

1-Methylnaphthalene

Concen: 2.06 ng/ul

RT: 12.24 min Scan# 1625

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

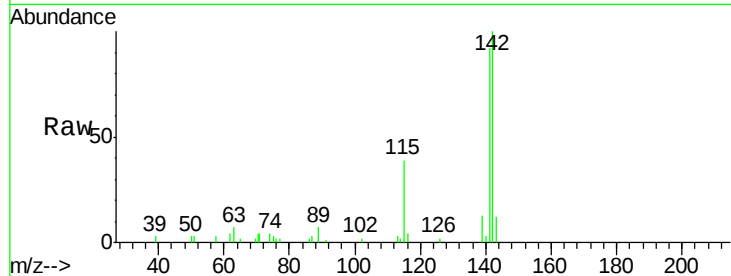
ClientSampleId :

C01M4

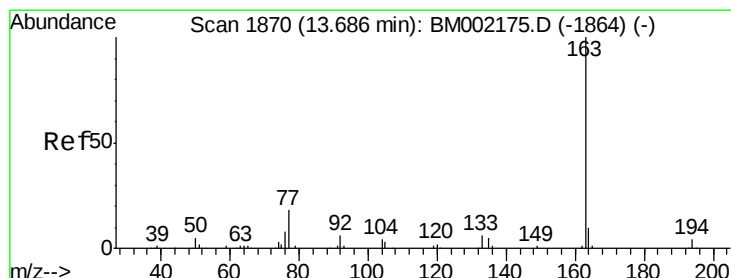
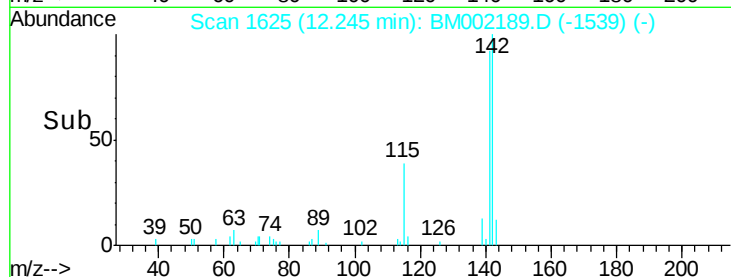
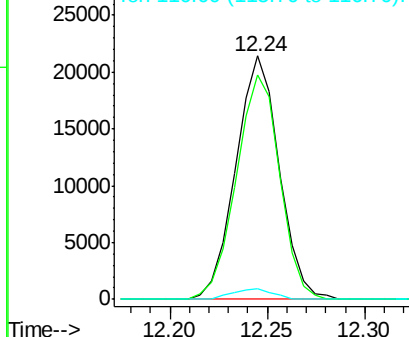
Tgt Ion:	142	Resp:	32936
Ion Ratio	Lower	Upper	
142	100		
141	92.0	72.4	108.6
116	4.2	3.2	4.8

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#45

Dimethylphthalate

Concen: 3.23 ng/ul

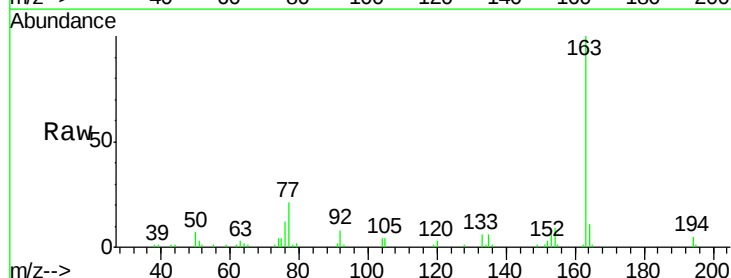
RT: 13.69 min Scan# 1870

Delta R.T. -0.00 min

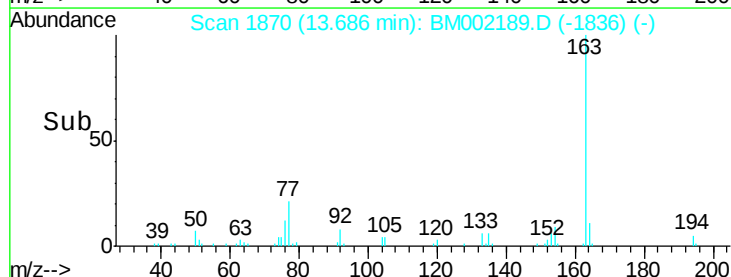
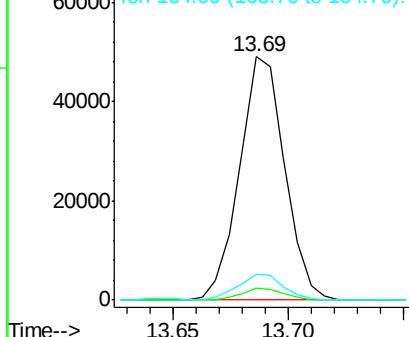
Lab File: BM002189.D

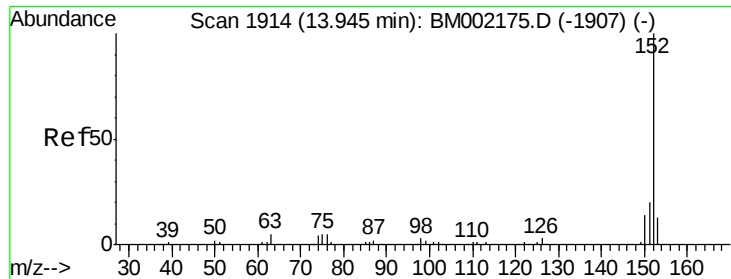
Acq: 03 Aug 2015 03:20

Tgt Ion:	163	Resp:	67054
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.5	5.3
164	10.6	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 12.48 ng/ul

RT: 13.95 min Scan# 1915

Delta R.T. 0.01 min

Lab File: BM002189.D

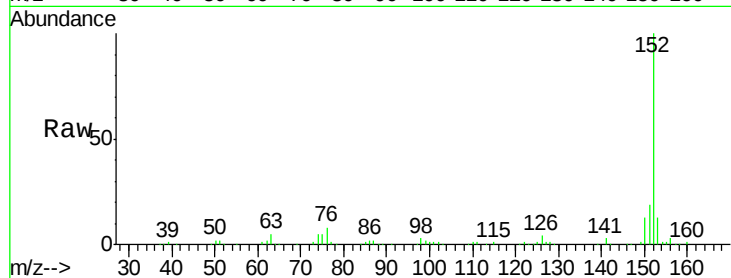
Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

ClientSampleId :

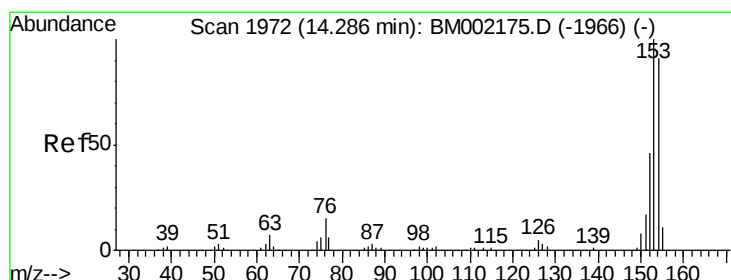
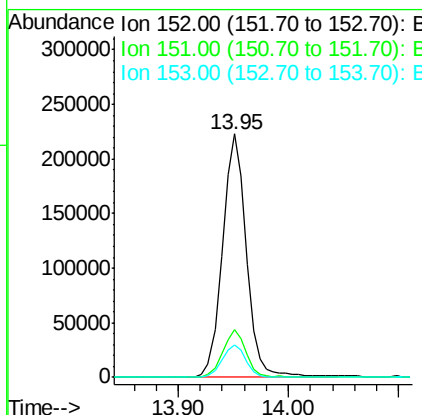
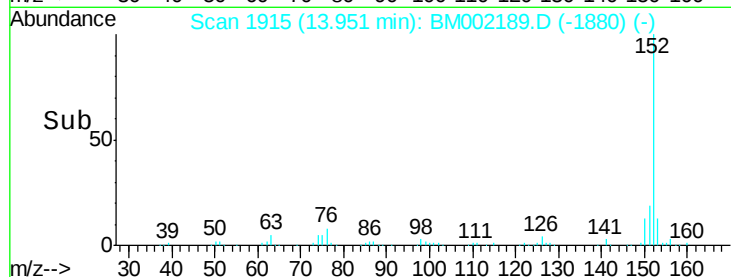
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.6	23.4
153	13.2	10.3	15.5

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#50

Acenaphthene

Concen: 9.69 ng/ul

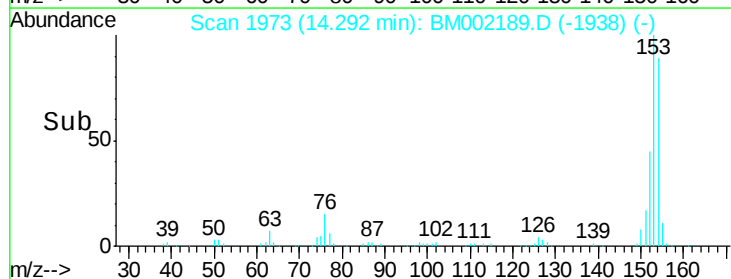
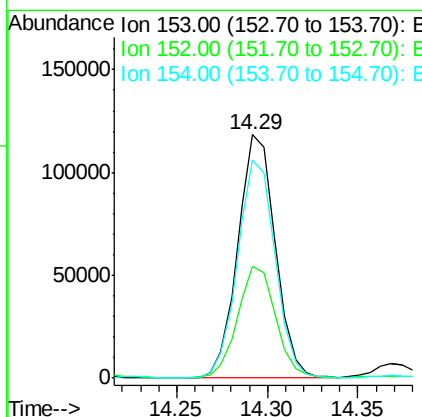
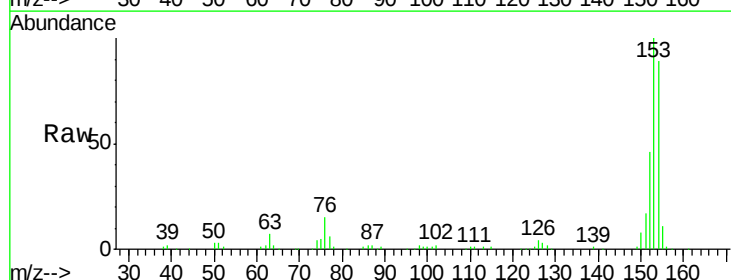
RT: 14.29 min Scan# 1973

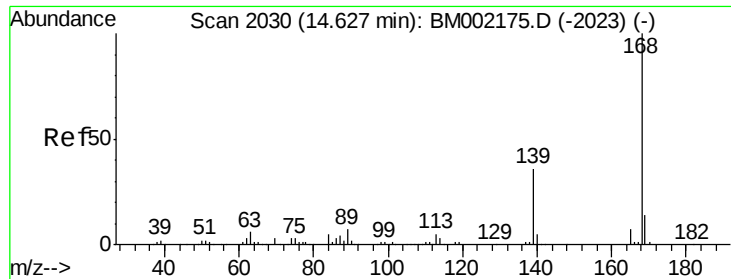
Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.7	37.3	55.9
154	89.4	71.4	107.2





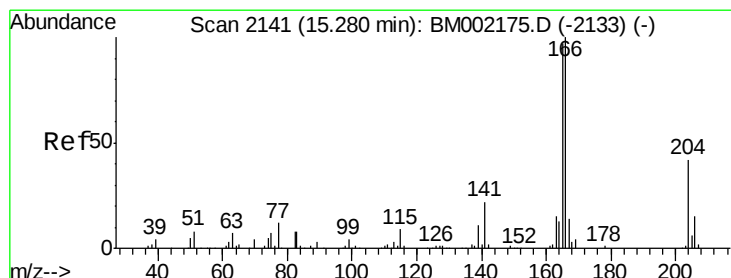
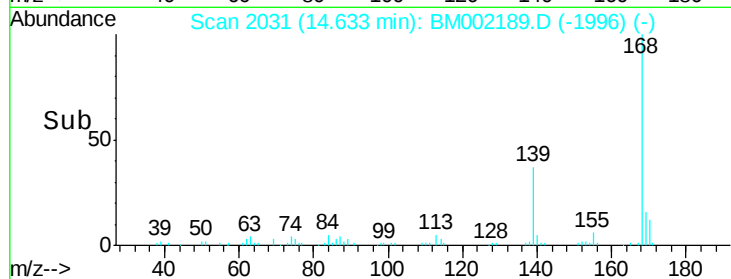
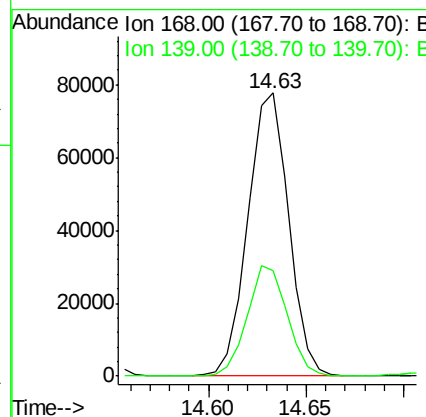
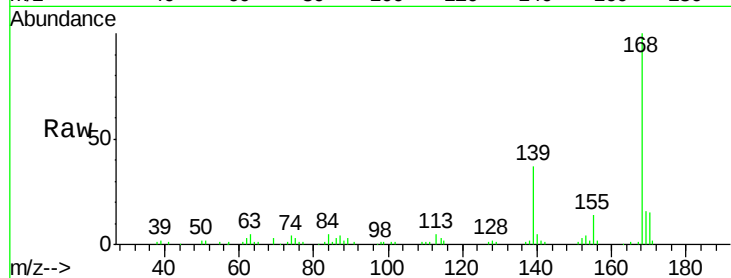
#54
Dibenzenofuran
Concen: 4.46 ng/ul
RT: 14.63 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	112611		
139	37.5	28.2	28.2	42.2

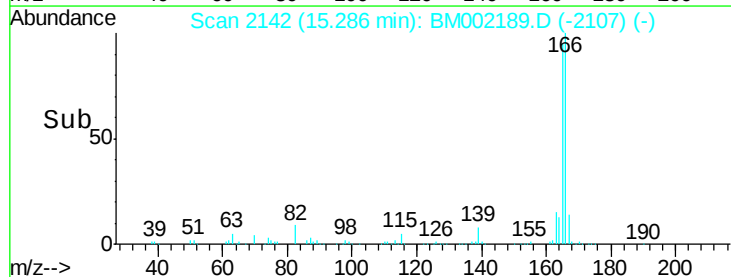
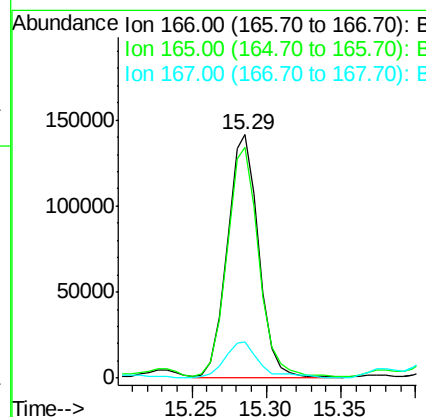
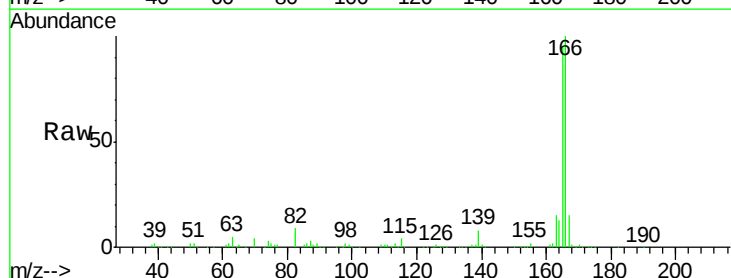
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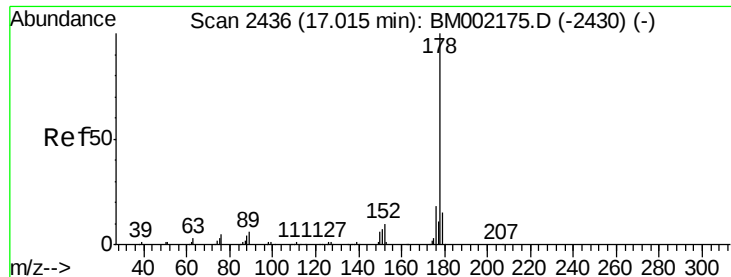
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#59
Fluorene
Concen: 9.90 ng/ul
RT: 15.29 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	206449		
165	95.0	75.6	75.6	113.4
167	14.8	10.5	10.5	15.7





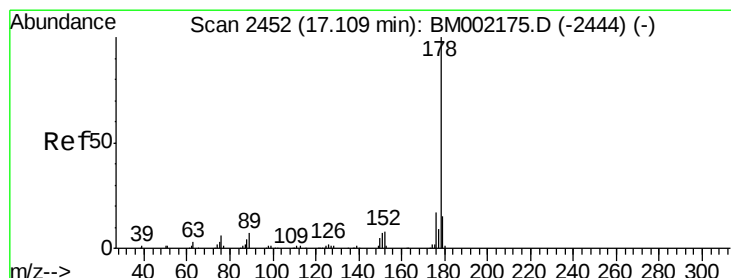
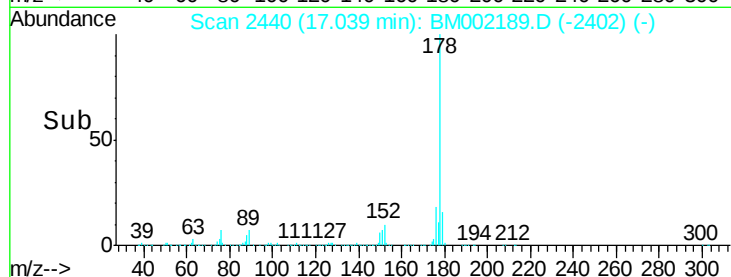
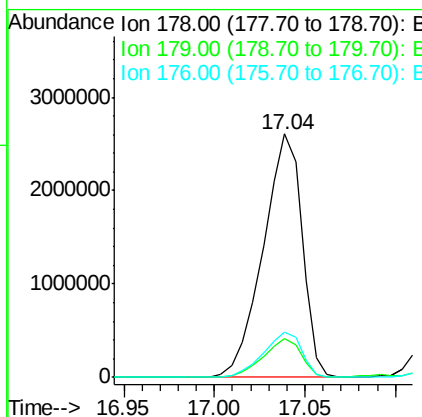
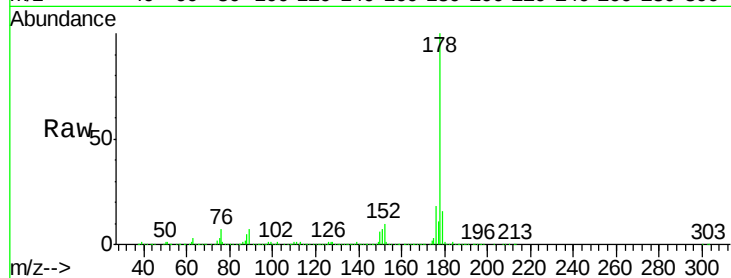
#70
Phenanthrene
Concen: 122.52 ng/ul
RT: 17.04 min Scan# 2440
Delta R.T. 0.02 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
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Tgt Ion:178 Resp: 3886364
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 18.5 14.2 21.4

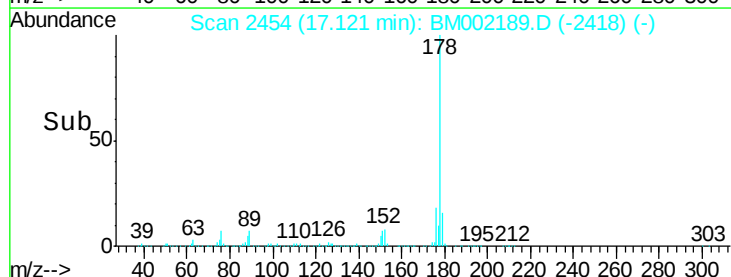
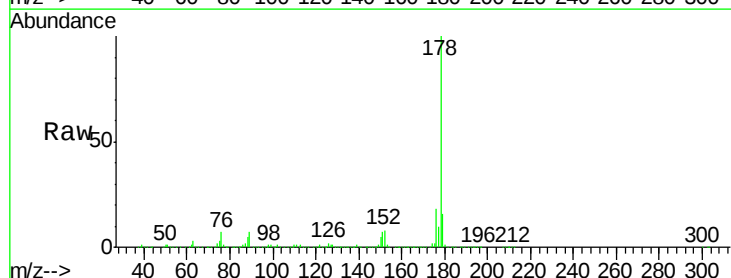
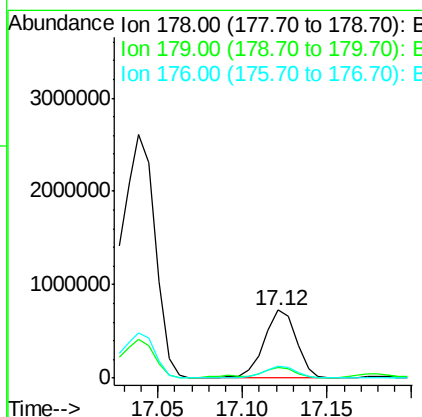
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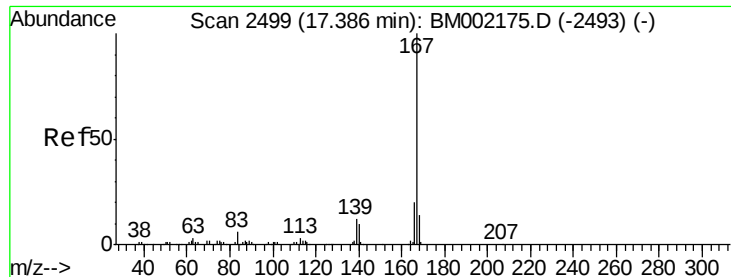
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#72
Anthracene
Concen: 29.69 ng/ul
RT: 17.12 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion:178 Resp: 962738
Ion Ratio Lower Upper
178 100
179 16.0 12.1 18.1
176 17.6 14.1 21.1





#75

Carbazole

Concen: 8.91 ng/ul

RT: 17.40 min Scan# 2501

Delta R.T. 0.01 min

Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

Instrument :

BNA_M

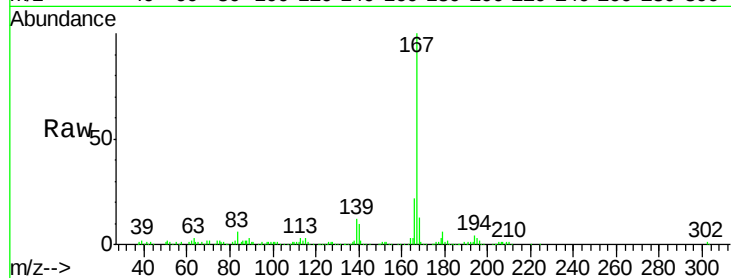
ClientSampleId :

C01M4

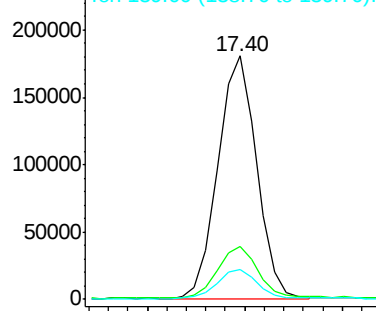
Tgt Ion	Ratio	Resp	Lower	Upper
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166	21.9	16.2	24.4	
139	12.3	9.6	14.4	

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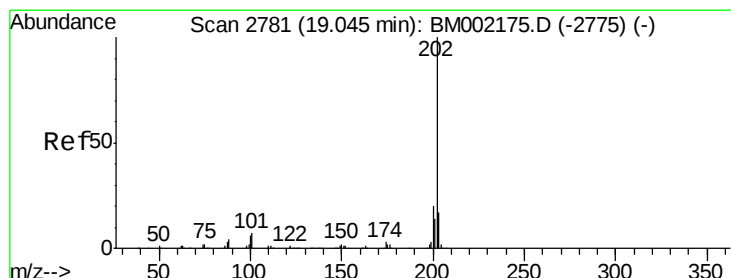
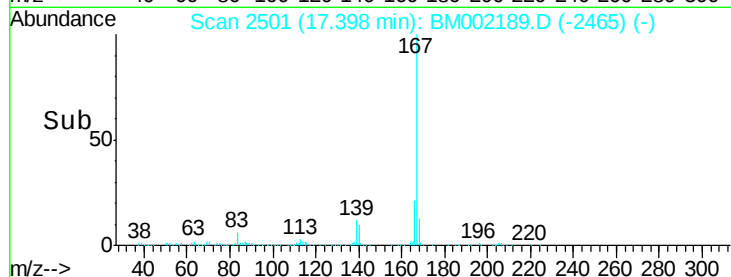
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 179.79 ng/ul

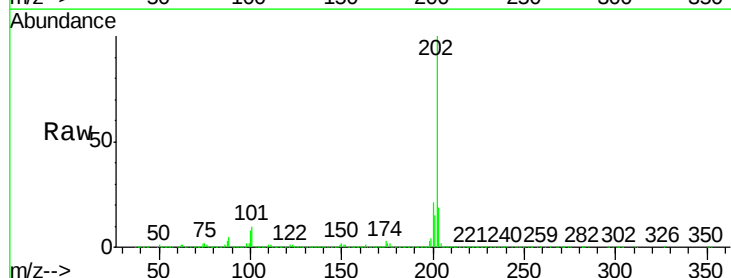
RT: 19.07 min Scan# 2786

Delta R.T. 0.03 min

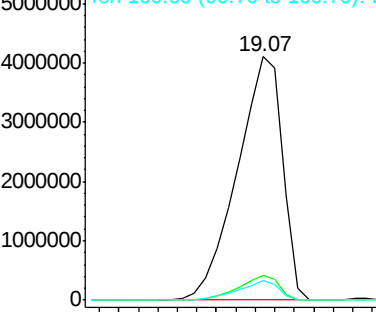
Lab File: BM002189.D

Acq: 03 Aug 2015 03:20

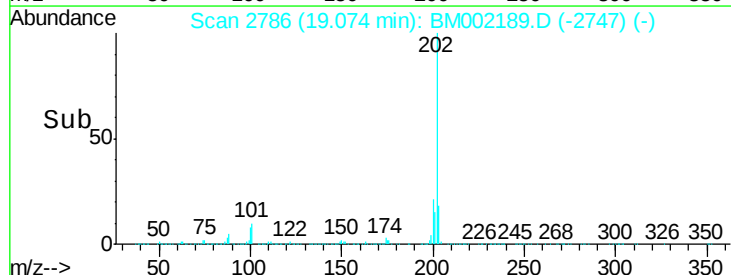
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6584949		
101	10.0	6.2	9.4#	
100	7.9	5.2	7.8#	

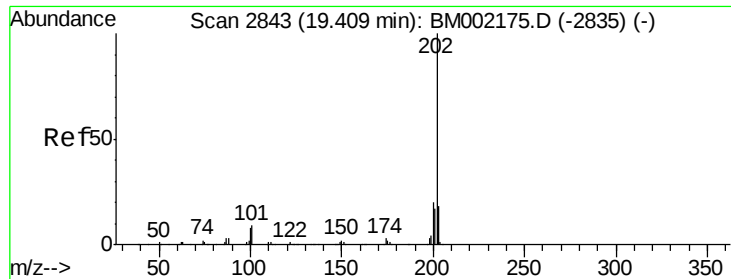


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





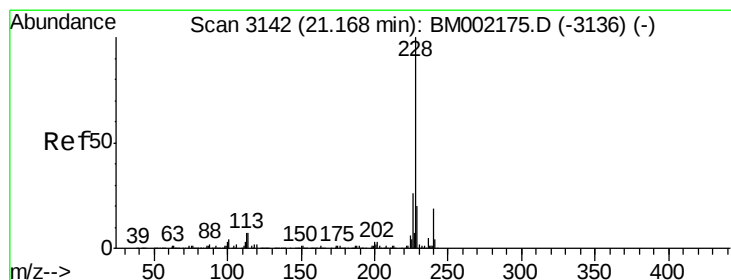
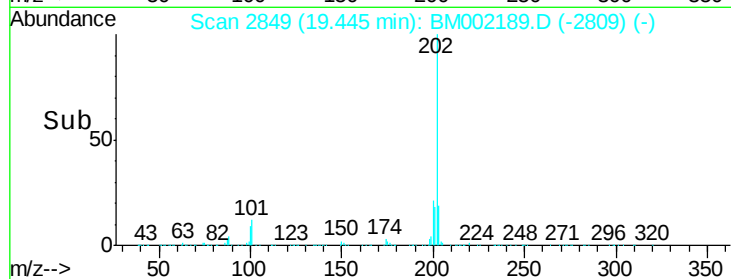
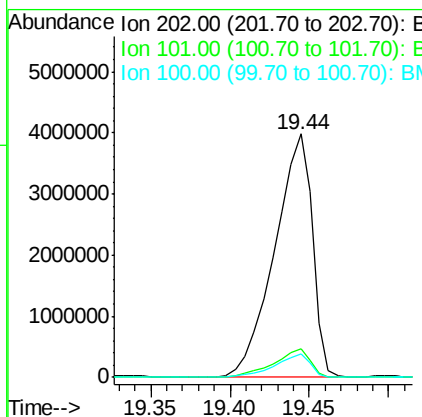
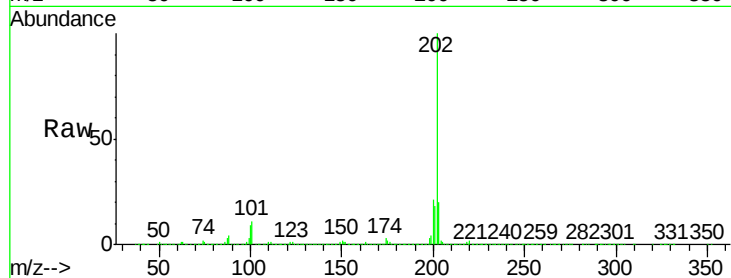
#80
 Pyrene
 Concen: 222.56 ng/ul
 RT: 19.44 min Scan# 2849
 Delta R.T. 0.04 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Tgt Ion:202 Resp: 6602878
 Ion Ratio Lower Upper
 202 100
 101 11.5 7.4 11.2#
 100 9.4 6.3 9.5

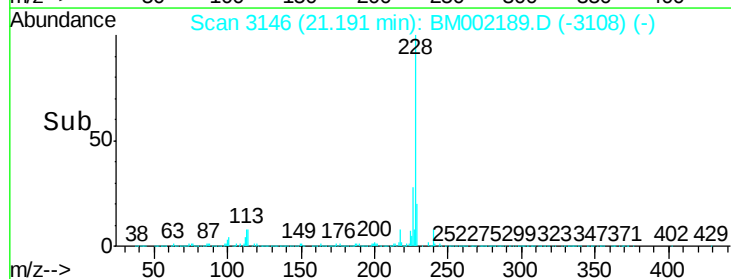
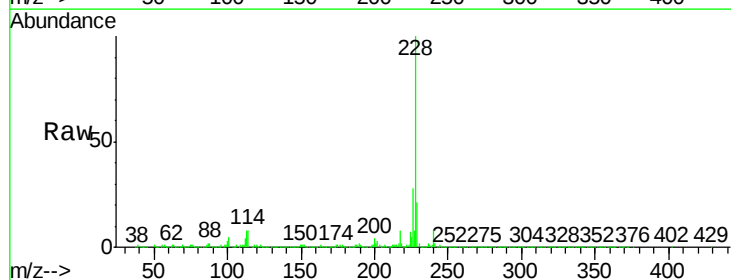
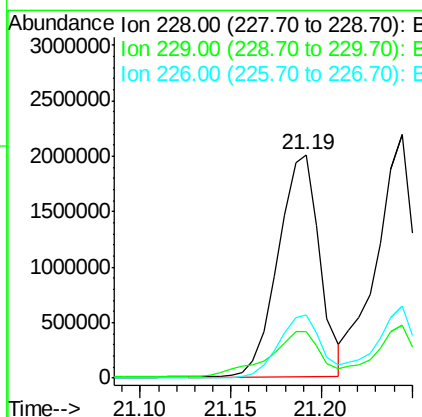
Manual Integrations
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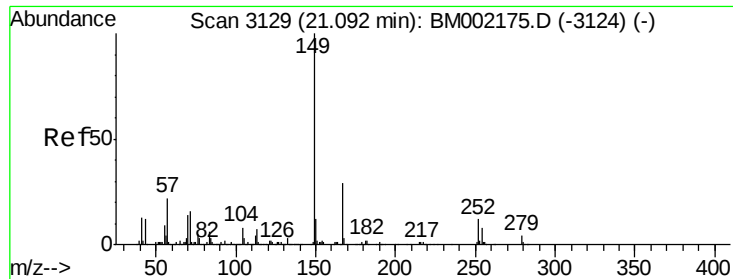
MMDadoda
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#83
 Benzo(a)anthracene
 Concen: 106.30 ng/ul
 RT: 21.19 min Scan# 3146
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Tgt Ion:228 Resp: 3212922
 Ion Ratio Lower Upper
 228 100
 229 20.9 15.4 23.2
 226 28.5 20.5 30.7





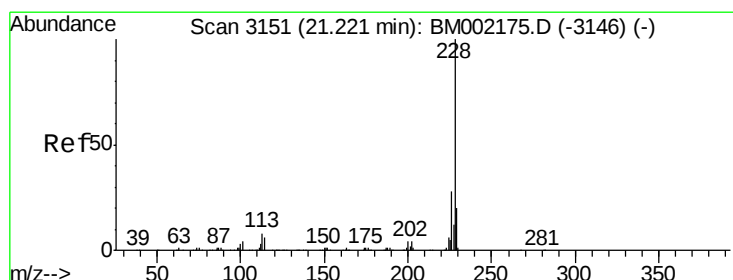
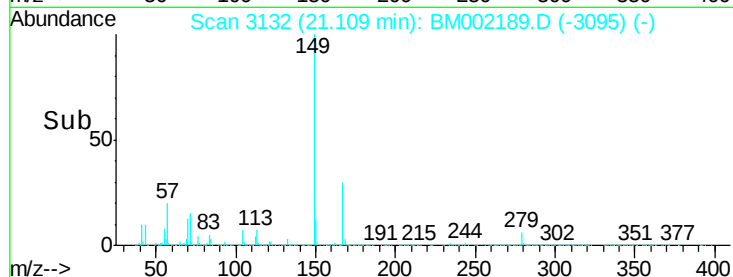
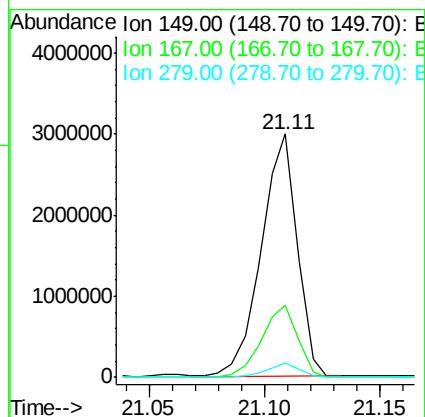
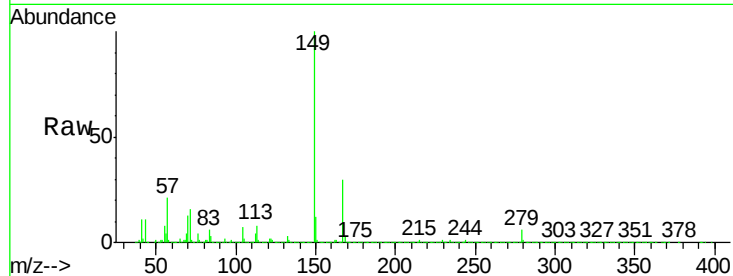
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 186.19 ng/ul
 RT: 21.11 min Scan# 3132
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Instrument :
 BNA_M
 ClientSampleId :
 C01M4

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.6	35.4
279	5.7	4.2	6.4

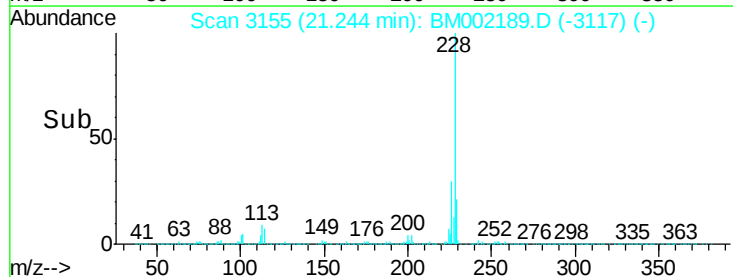
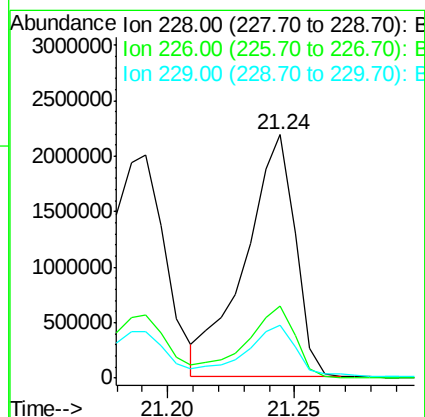
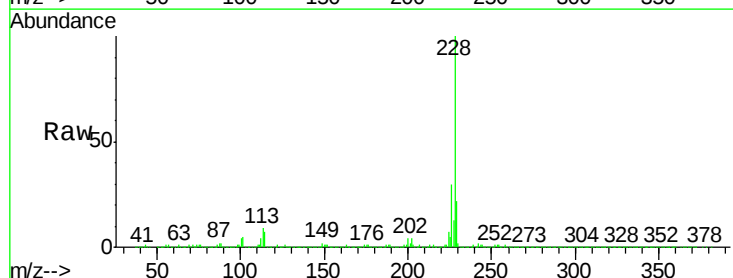
Manual Integrations
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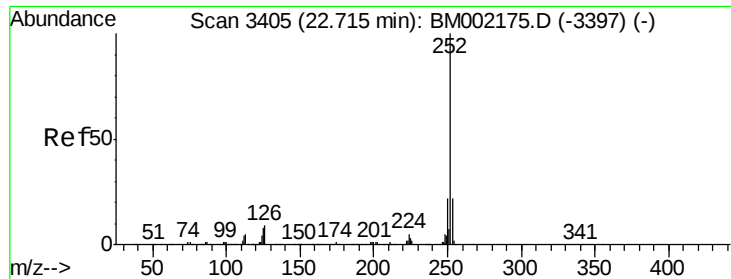
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#85
 Chrysene
 Concen: 106.06 ng/ul
 RT: 21.24 min Scan# 3155
 Delta R.T. 0.02 min
 Lab File: BM002189.D
 Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.3	33.5
229	21.8	15.5	23.3





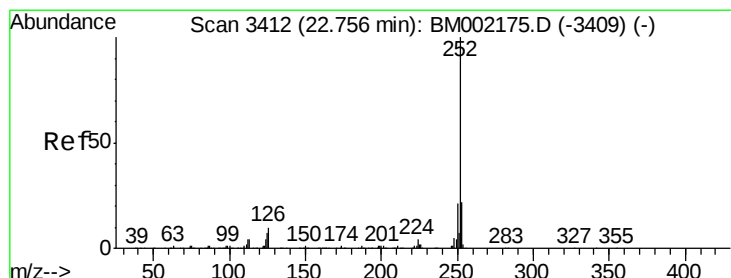
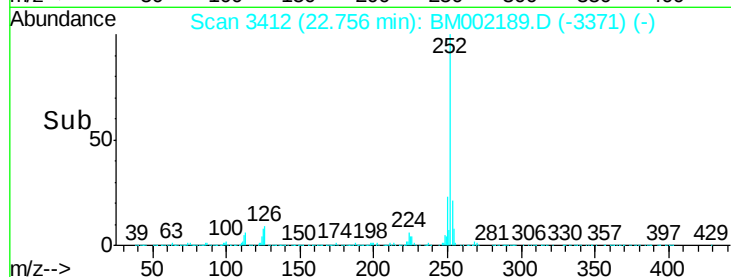
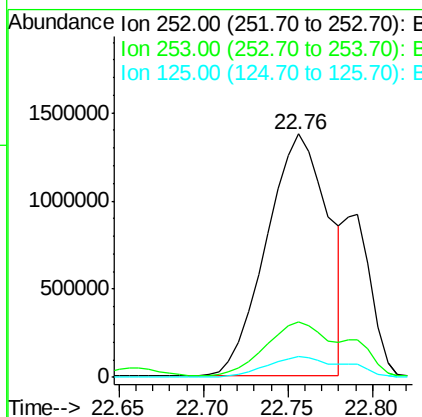
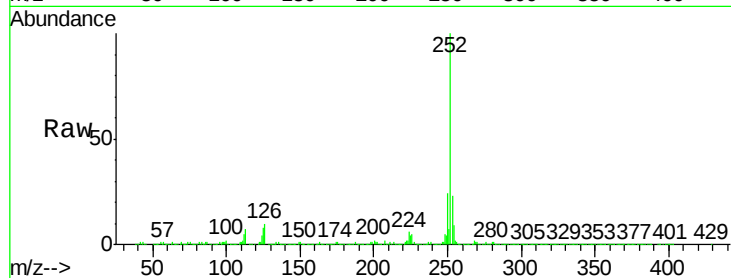
#88
Benzo(b)fluoranthene
Concen: 125.70 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. 0.04 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.9	25.3
125	8.5	6.2	9.2

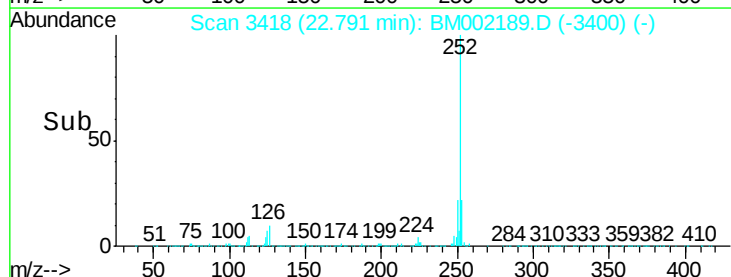
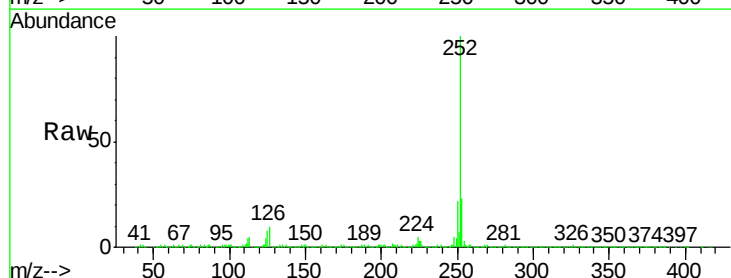
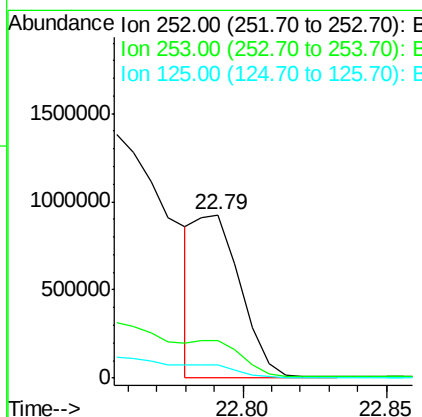
Manual Integrations
APPROVED

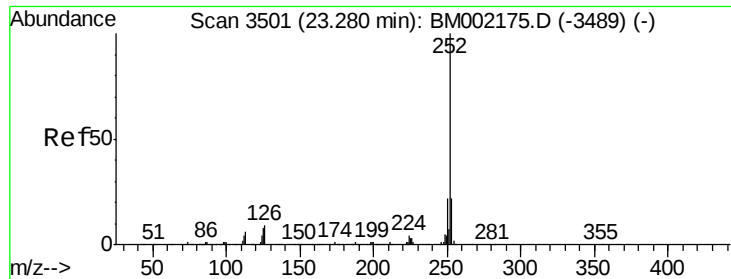
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#89
Benzo(k)fluoranthene
Concen: 38.09 ng/ul m
RT: 22.79 min Scan# 3418
Delta R.T. 0.04 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	7.7	6.2	9.4





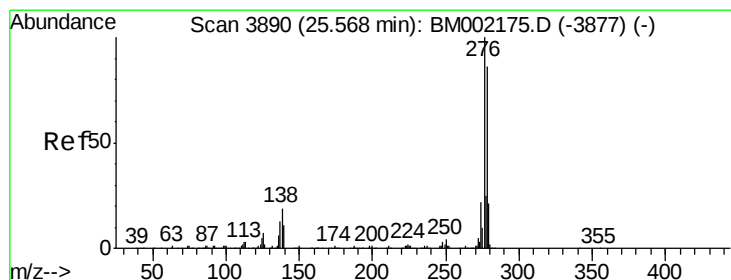
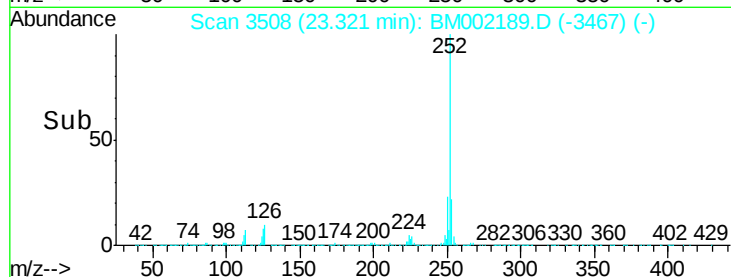
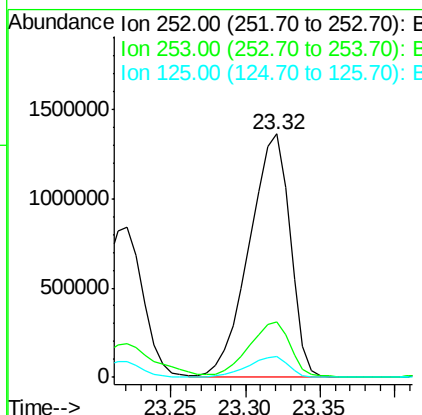
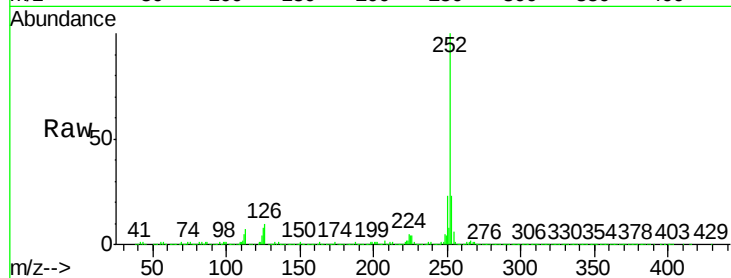
#91
Benzo(a)pyrene
Concen: 95.67 ng/ul
RT: 23.32 min Scan# 3508
Delta R.T. 0.04 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	8.4	6.6	10.0

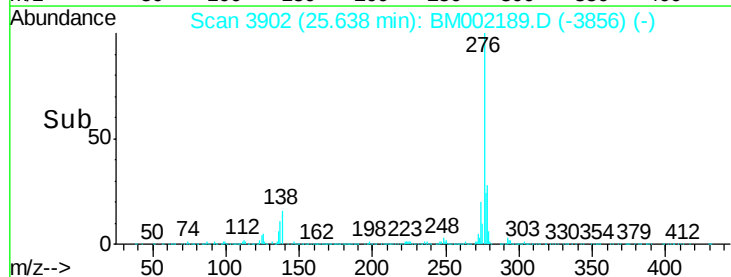
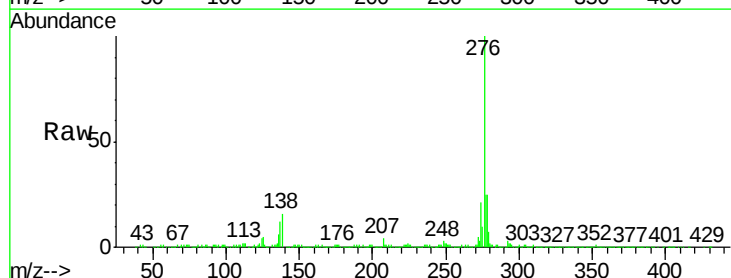
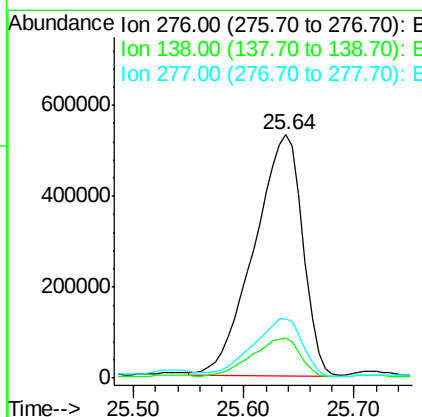
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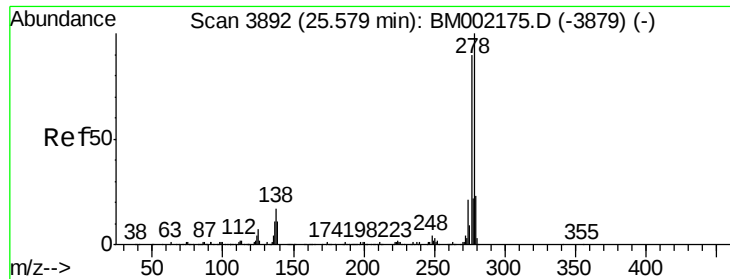
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#92
Indeno(1,2,3-cd)pyrene
Concen: 52.81 ng/ul
RT: 25.64 min Scan# 3902
Delta R.T. 0.07 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.2	16.2	24.2
277	24.6	19.8	29.8





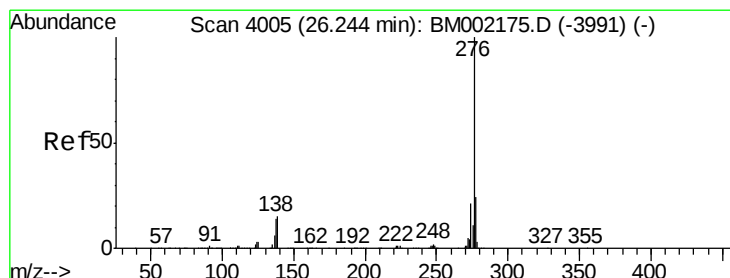
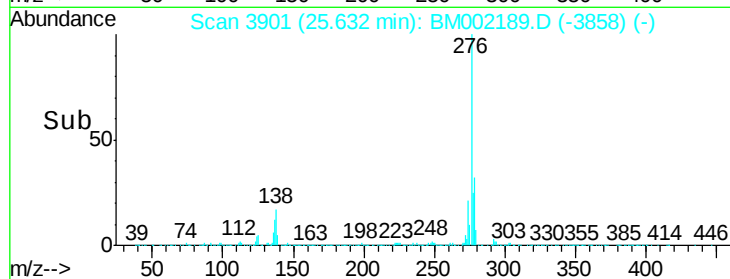
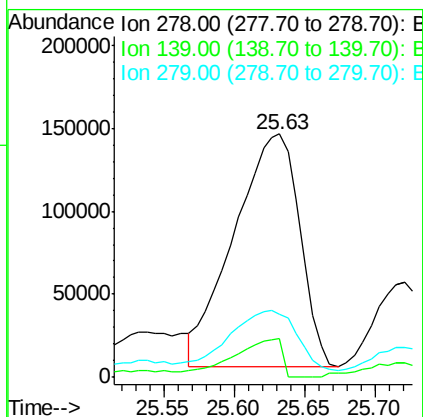
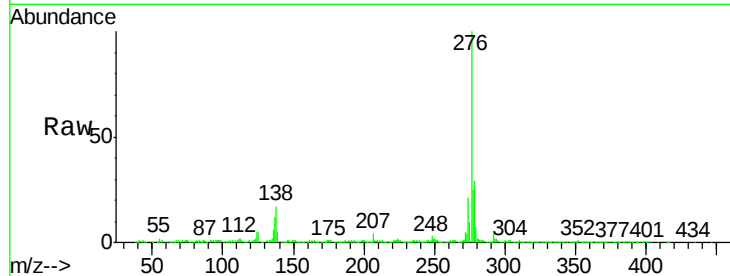
#93
Dibenzo(a,h)anthracene
Concen: 17.25 ng/ul
RT: 25.63 min Scan# 3901
Delta R.T. 0.05 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Instrument :
BNA_M
ClientSampleId :
C01M4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.0	10.6	16.0#
279	26.1	18.5	27.7

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 57.53 ng/ul
RT: 26.33 min Scan# 4019
Delta R.T. 0.08 min
Lab File: BM002189.D
Acq: 03 Aug 2015 03:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.8	20.6
277	25.0	18.2	27.2

