

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002199.D
 Acq On : 03 Aug 2015 16:07
 Operator : TP/UM
 Sample : G3095-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Manual Integrations
 APPROVED

MMDadoda
 8/6/2015 4:15:29 PM

Quant Time: Aug 04 03:57:10 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	108450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	457697	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	285106	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	652279	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	601953	20.00	ng/ul	0.01
86) Perylene-d12	23.39	264	590183	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	2291	1.09	ng/uL	0.00
5) Phenol-d5	6.72	99	67637	8.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	35810	8.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	58522	8.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	56502	9.17	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	28374	8.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	32744	9.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	64775	9.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	39560	5.17	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	191229	9.16	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	239443	9.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	16994	4.88	ng/ul	0.01
58) Fluorene-d10	15.21	176	176456	9.60	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	3759	0.94	ng/ul	0.01
71) Anthracene-d10	17.06	188	268866	9.23	ng/ul	0.00
79) Pyrene-d10	19.37	212	278879	11.00	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.24	264	261506	9.14	ng/ul	0.04

Target Compounds

					Qvalue
34) 2-Methylnaphthalene	12.00	142	24181	1.53 ng/ul	99
45) Dimethylphthalate	13.67	163	77607	3.72 ng/ul	97
48) Acenaphthylene	13.93	152	96625	3.59 ng/ul	95
50) Acenaphthene	14.27	153	35614	2.02 ng/ul	99
54) Dibenzofuran	14.61	168	31824	1.26 ng/ul	90
59) Fluorene	15.26	166	49582	2.37 ng/ul#	94
70) Phenanthrene	17.01	178	982865	29.09 ng/ul	99
72) Anthracene	17.10	178	216076	6.26 ng/ul	100
75) Carbazole	17.37	167	50324	1.71 ng/ul#	90
77) Fluoranthene	19.04	202	1594127	40.86 ng/ul	99
80) Pyrene	19.41	202	1715794	52.38 ng/ul	100
83) Benzo(a)anthracene	21.17	228	705936	21.16 ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.09	149	272952	14.25 ng/ul	100
85) Chrysene	21.22	228	705586	22.60 ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	889309	26.82 ng/ul#	95
89) Benzo(k)fluoranthene	22.76	252	218893m	6.84 ng/ul	
91) Benzo(a)pyrene	23.29	252	595989	18.62 ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.59	276	390594	10.59 ng/ul#	95
93) Dibenzo(a,h)anthracene	25.58	278	110928	3.51 ng/ul#	85
94) Benzo(g,h,i)perylene	26.26	276	370575	11.98 ng/ul	98

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

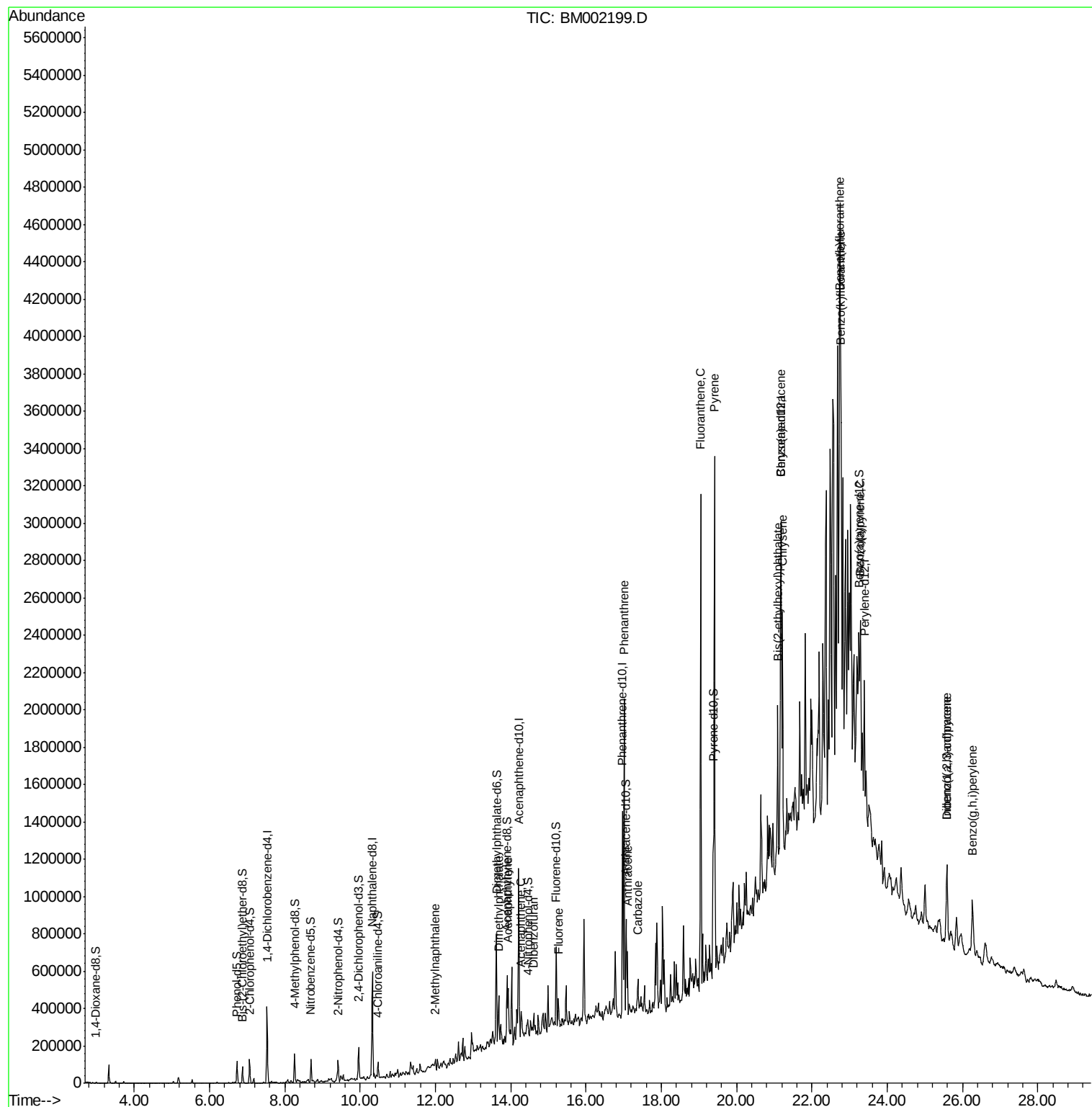
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002199.D
Acq On : 03 Aug 2015 16:07
Operator : TP/UM
Sample : G3095-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

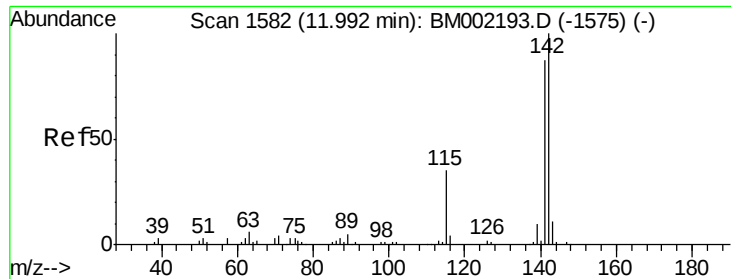
Instrument :
BNA_M
ClientSampleId :
C01Q6

Manual Integrations
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Quant Time: Aug 04 03:57:10 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





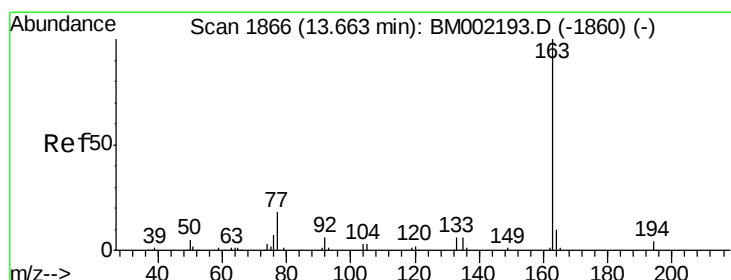
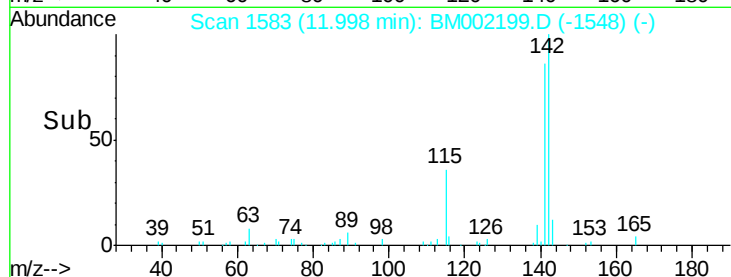
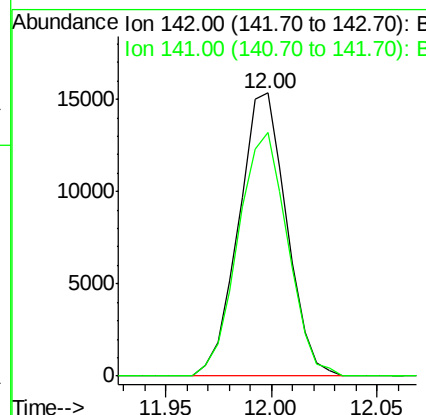
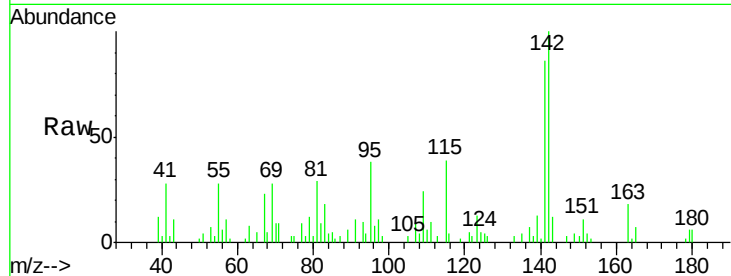
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2-Methylnaphthalene
Concen: 1.53 ng/ul
RT: 12.00 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion:142 Resp: 24181
Ion Ratio Lower Upper
142 100
141 86.1 69.8 104.6

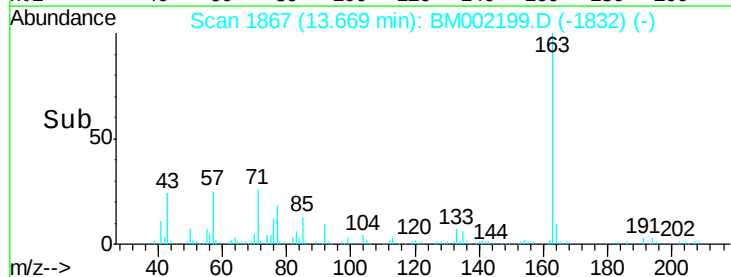
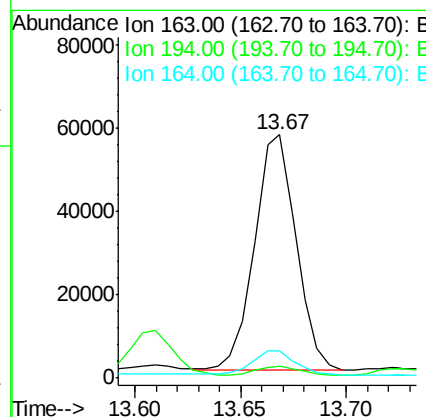
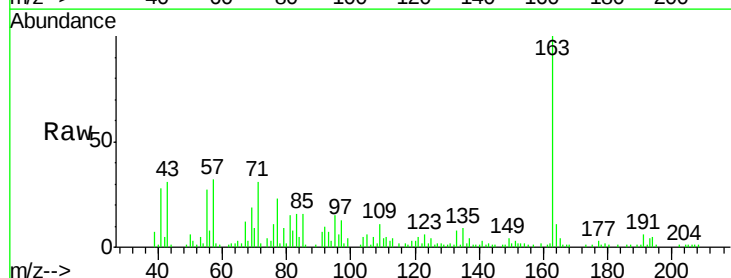
Manual Integrations
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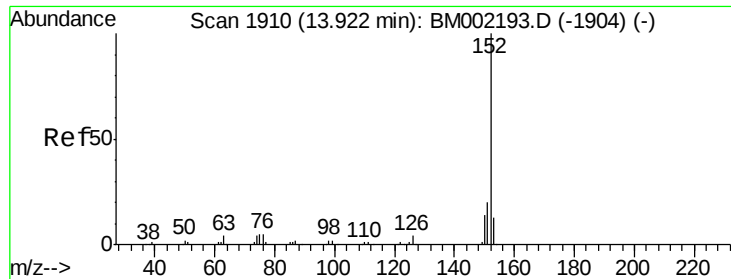
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#45
Dimethylphthalate
Concen: 3.72 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07

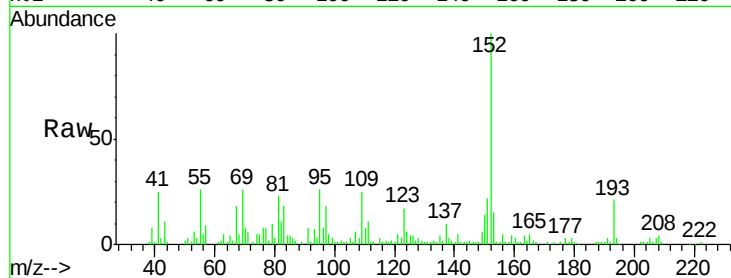
Tgt Ion:163 Resp: 77607
Ion Ratio Lower Upper
163 100
194 5.1 3.5 5.3
164 11.2 8.0 12.0





#48
Acenaphthylene
Concen: 3.59 ng/ul
RT: 13.93 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07

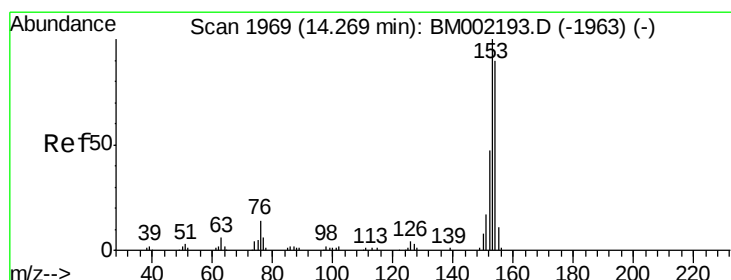
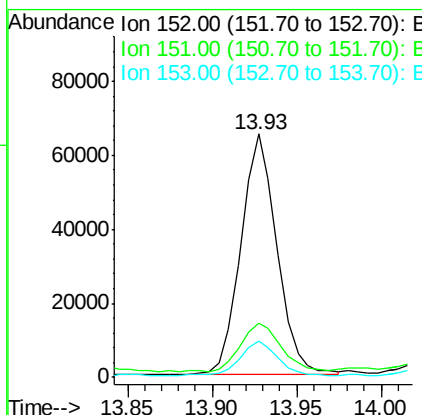
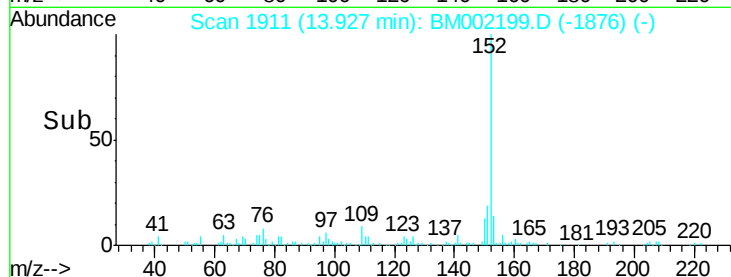
Instrument :
BNA_M
ClientSampleId :
C01Q6



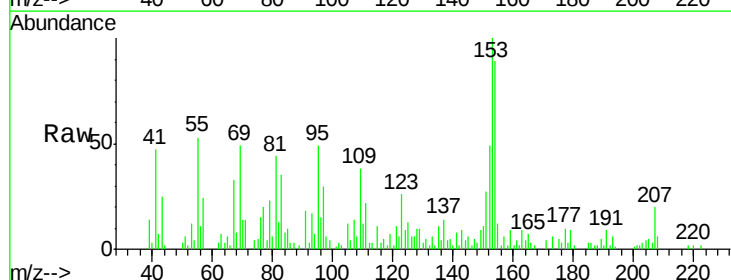
Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.6	23.4
153	14.9	10.3	15.5

Manual Integrations
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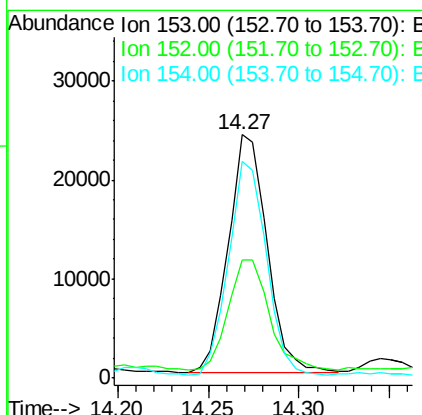
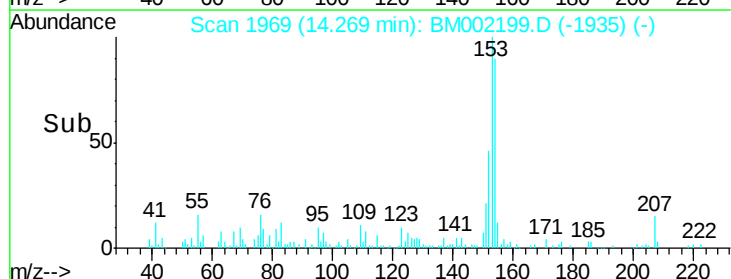
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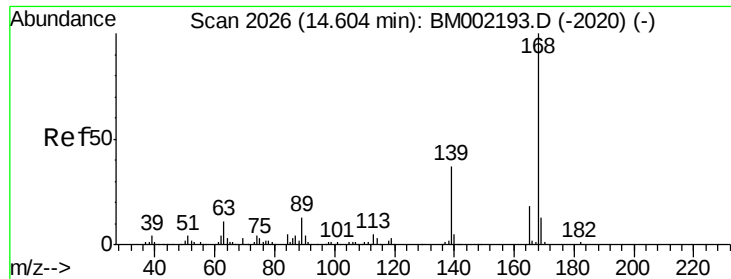


#50
Acenaphthene
Concen: 2.02 ng/ul
RT: 14.27 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07



Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.5	37.3	55.9
154	88.8	71.4	107.2





#54

Dibenzofuran

Concen: 1.26 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

ClientSampled :

C01Q6

Tgt Ion:168 Resp: 31824

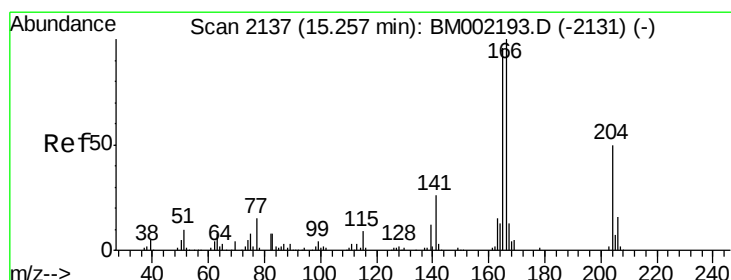
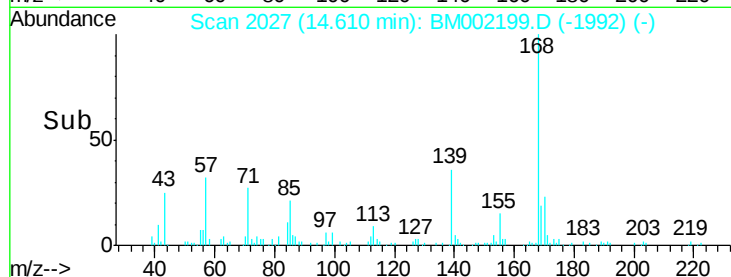
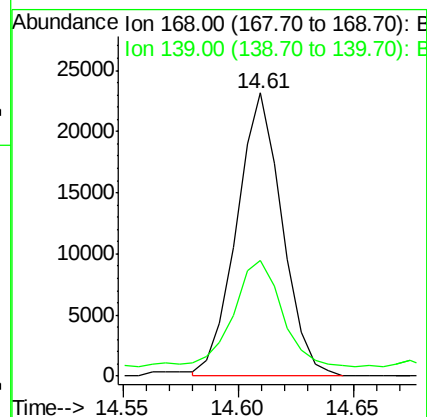
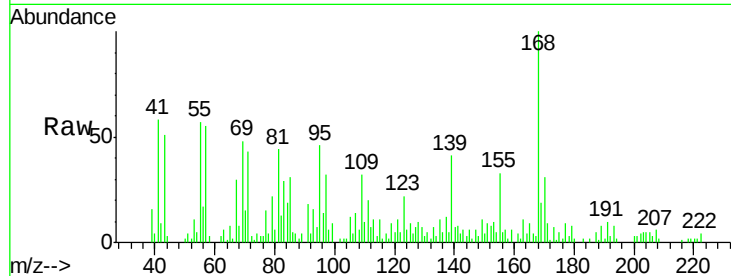
Ion Ratio Lower Upper

168 100

139 40.9 28.2 42.2

Manual Integrations
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#59

Fluorene

Concen: 2.37 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

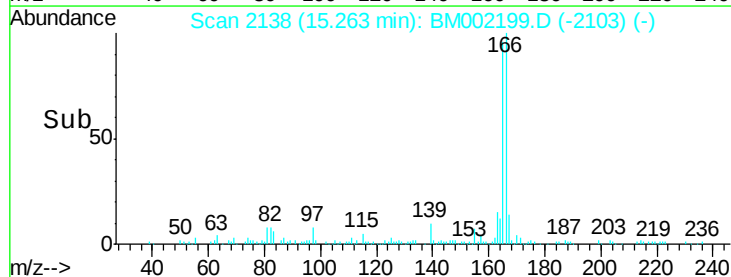
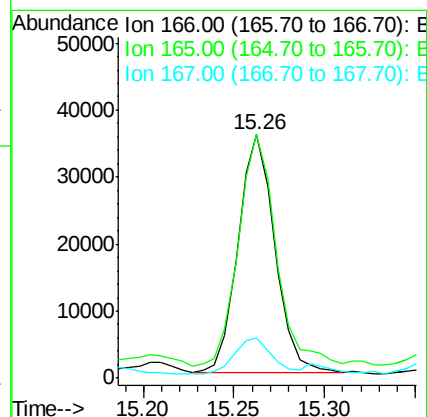
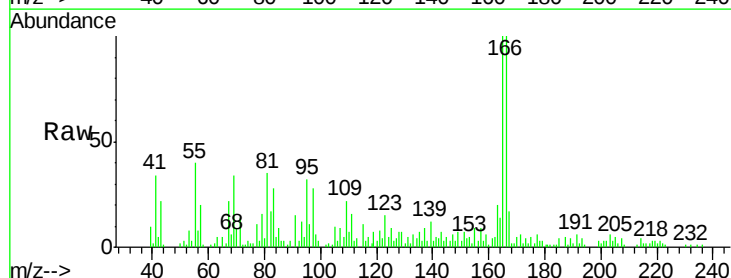
Tgt Ion:166 Resp: 49582

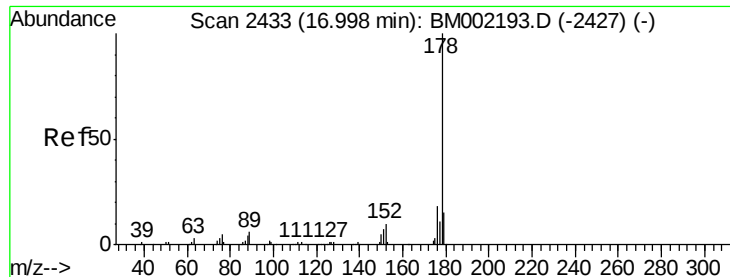
Ion Ratio Lower Upper

166 100

165 100.1 75.6 113.4

167 16.5 10.5 15.7#





#70

Phenanthrene

Concen: 29.09 ng/ul

RT: 17.01 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

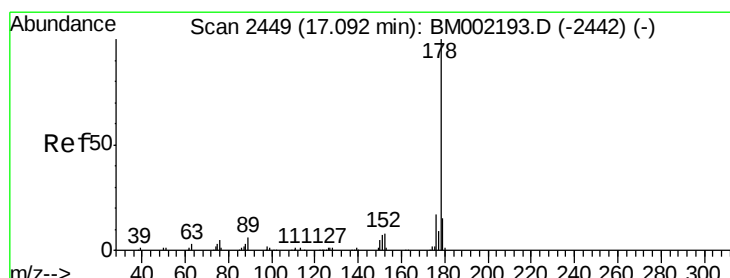
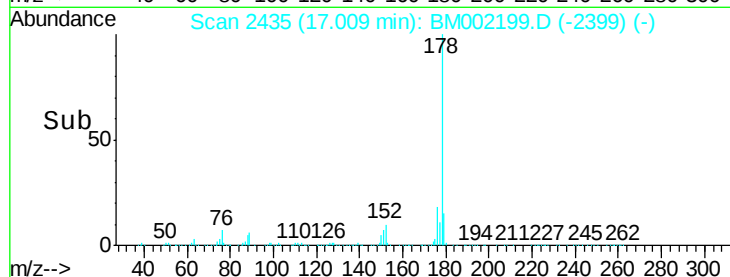
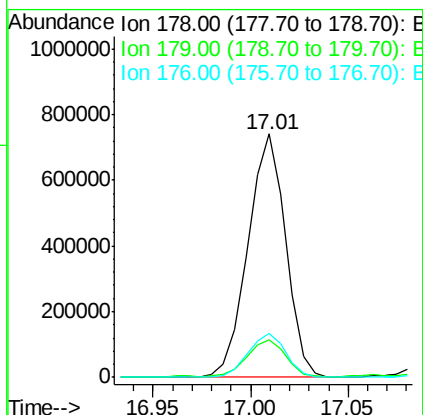
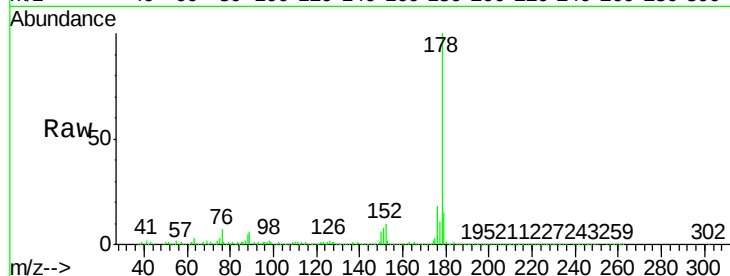
ClientSampleId :

C01Q6

Manual Integrations
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Tgt Ion	Ratio	Resp	Lower	Upper
178	100	982865		
179	15.5	12.5	18.7	
176	18.1	14.2	21.4	



#72

Anthracene

Concen: 6.26 ng/ul

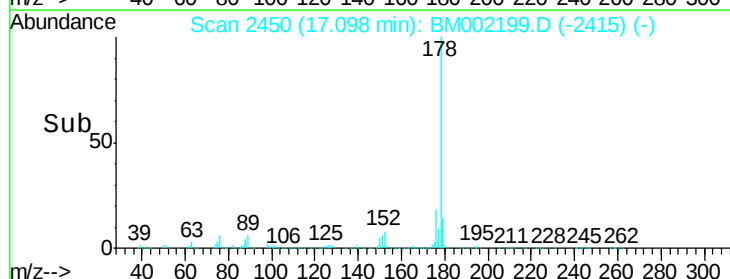
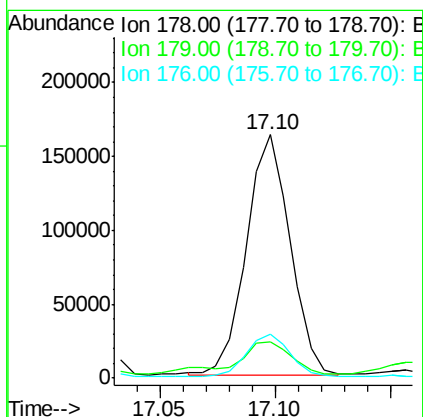
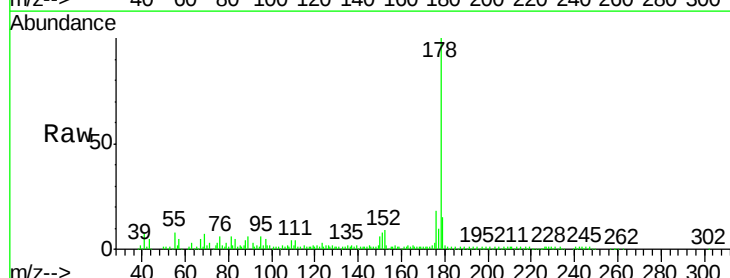
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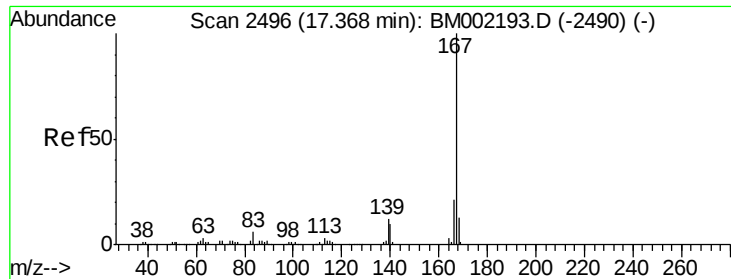
Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216076		
179	15.1	12.1	18.1	
176	17.8	14.1	21.1	





#75

Carbazole

Concen: 1.71 ng/ul

RT: 17.37 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

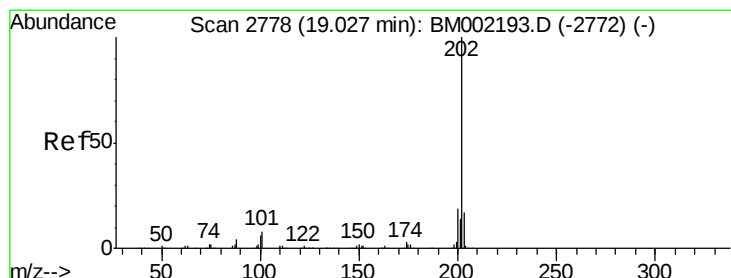
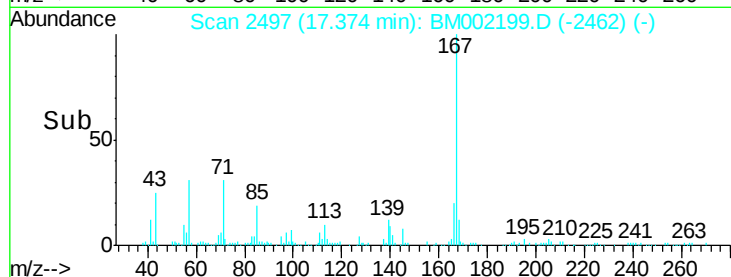
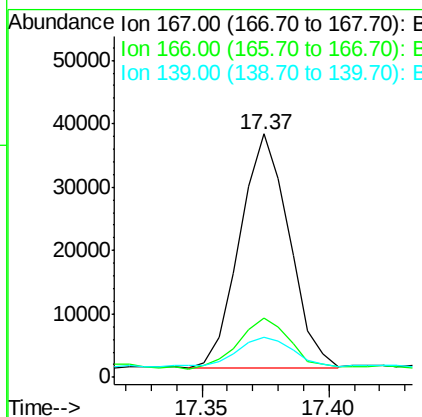
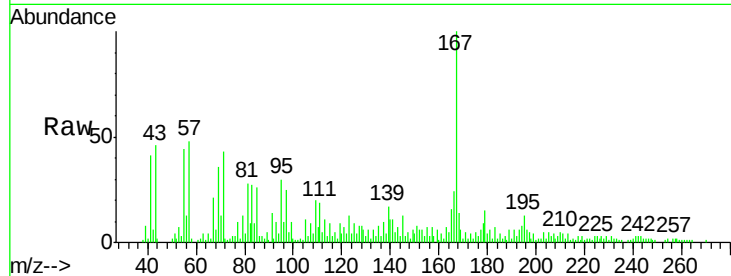
ClientSampleId :

C01Q6

Tgt Ion:	167	Resp:	50324
Ion Ratio	Lower	Upper	
167	100		
166	24.4	16.2	24.4#
139	16.6	9.6	14.4#

Manual Integrations
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#77

Fluoranthene

Concen: 40.86 ng/ul

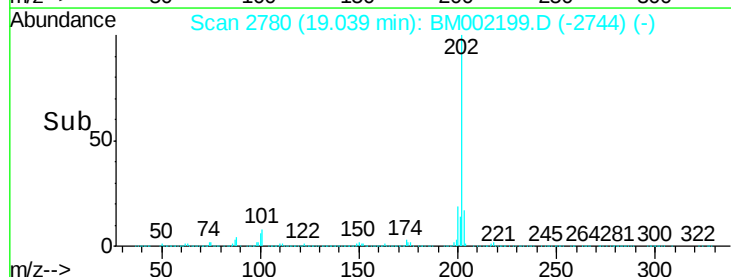
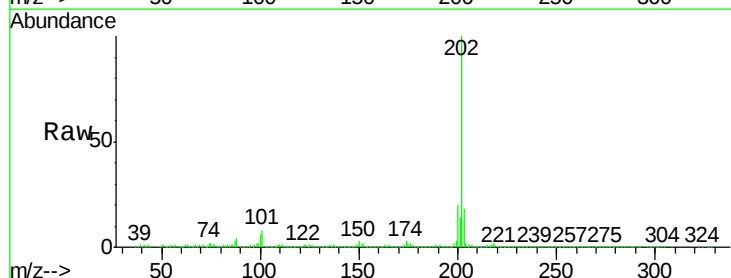
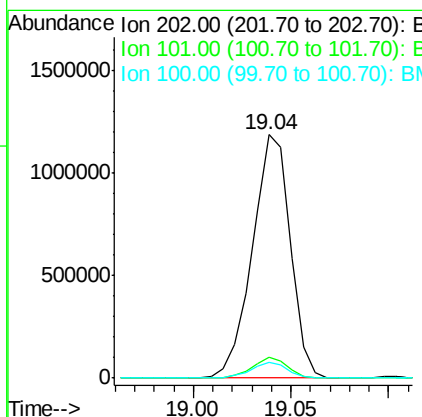
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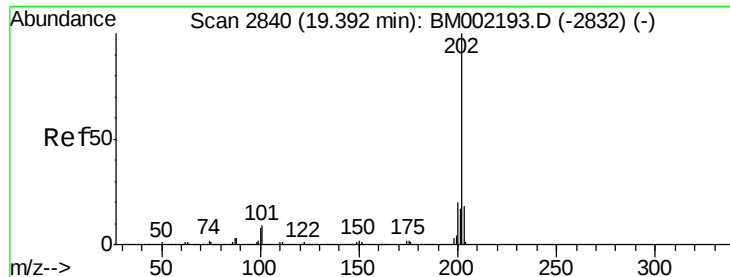
Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Tgt Ion:	202	Resp:	1594127
Ion Ratio	Lower	Upper	
202	100		
101	8.4	6.2	9.4
100	6.4	5.2	7.8





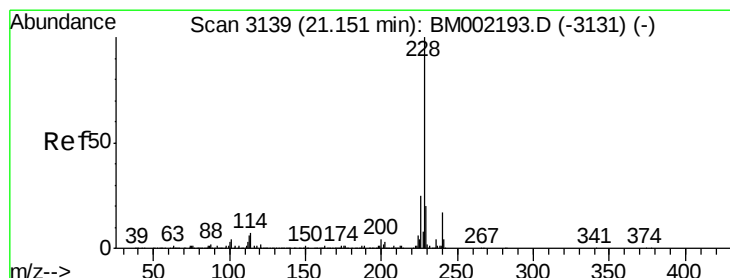
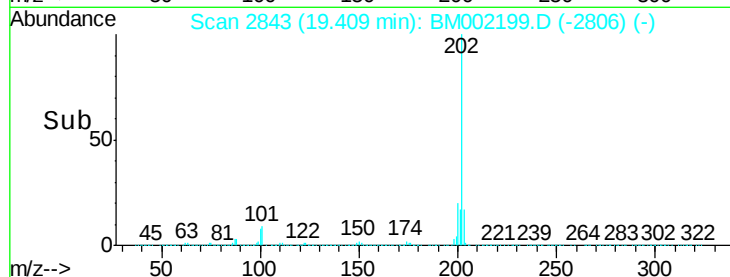
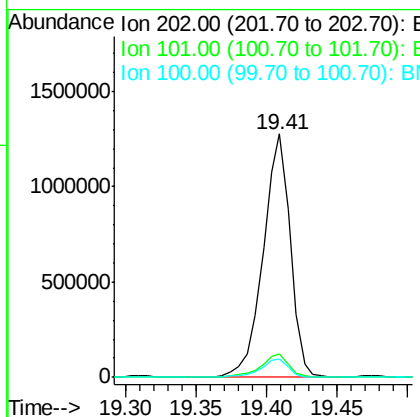
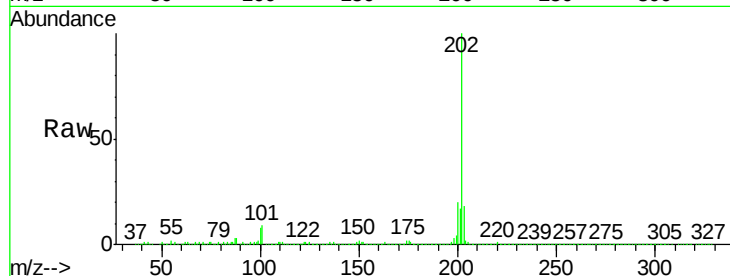
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 Pyrene
 Concen: 52.38 ng/ul
 RT: 19.41 min Scan# 2843
 Delta R.T. 0.02 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.4	11.2
100	7.7	6.3	9.5

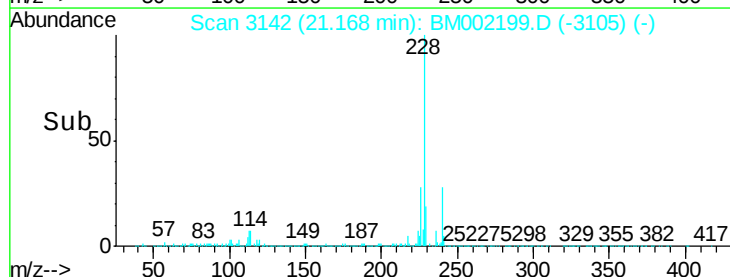
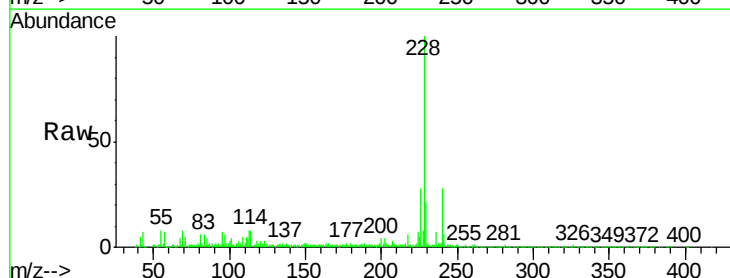
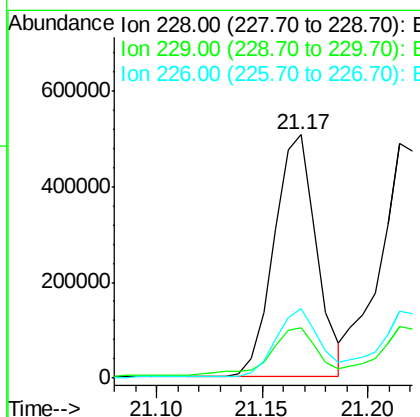
Manual Integrations
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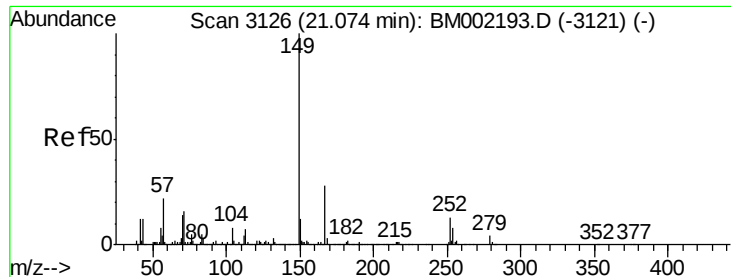
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 8/6/2015 4:15:29 PM



#83
 Benzo(a)anthracene
 Concen: 21.16 ng/ul
 RT: 21.17 min Scan# 3142
 Delta R.T. 0.02 min
 Lab File: BM002199.D
 Acq: 03 Aug 2015 16:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.4	23.2
226	28.4	20.5	30.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.25 ng/ul

RT: 21.09 min Scan# 3128

Delta R.T. 0.01 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

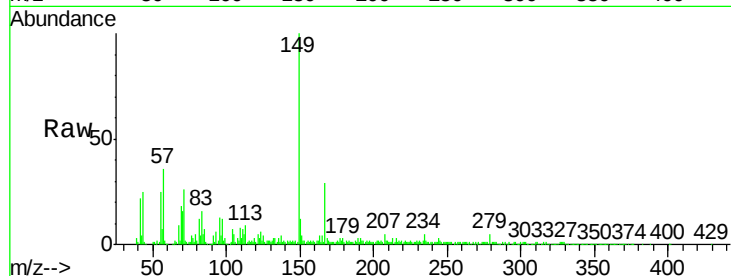
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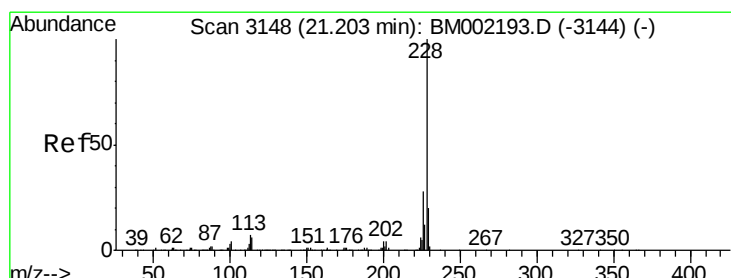
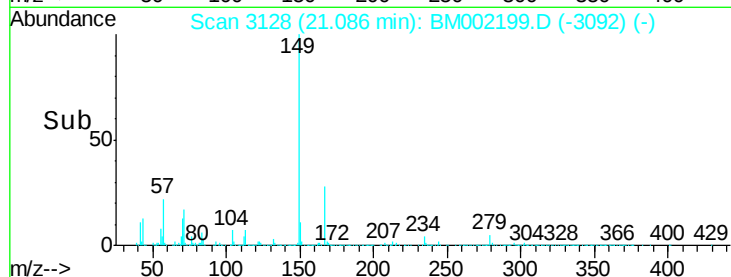
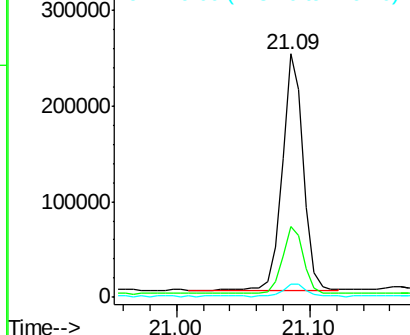
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	272952		
167	29.3	23.6	35.4	
279	5.3	4.2	6.4	

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 22.60 ng/ul

RT: 21.22 min Scan# 3150

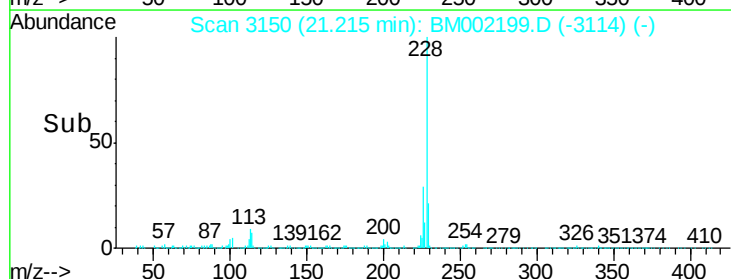
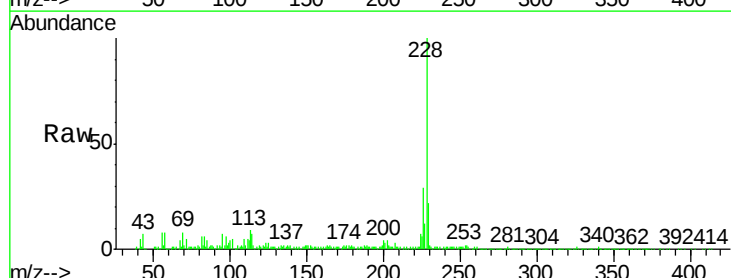
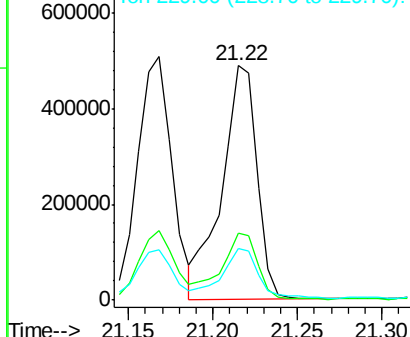
Delta R.T. 0.01 min

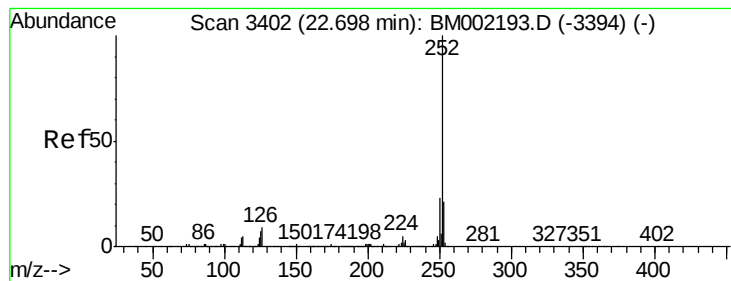
Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	705586		
226	28.9	22.3	33.5	
229	21.9	15.5	23.3	

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 26.82 ng/ul

RT: 22.73 min Scan# 3407

Delta R.T. 0.03 min

Lab File: BM002199.D

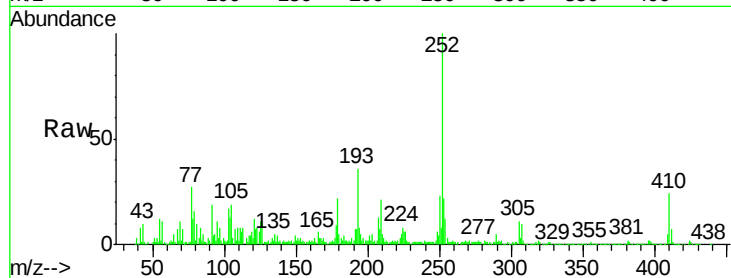
Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

ClientSampled :

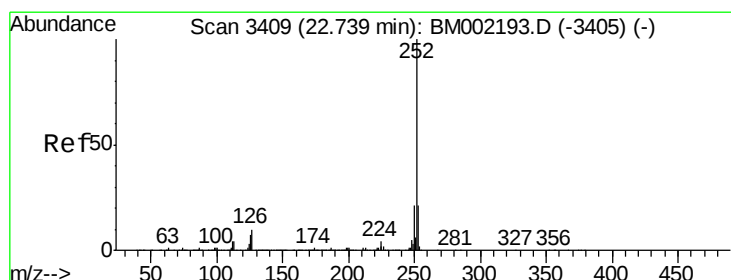
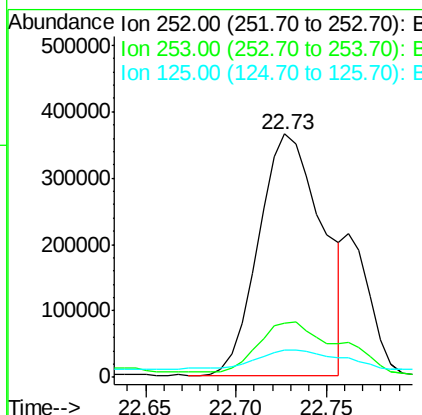
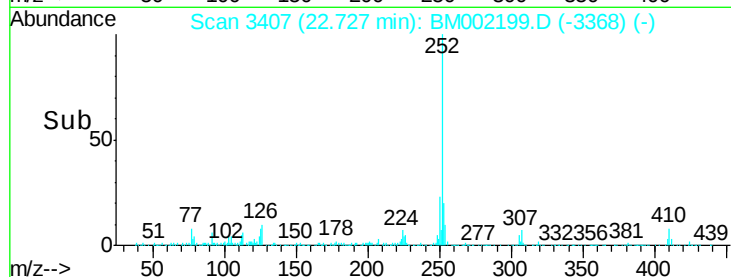
C01Q6



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	889309		
253	22.5	16.9	25.3	
125	11.4	6.2	9.2	

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#89

Benzo(k)fluoranthene

Concen: 6.84 ng/ul m

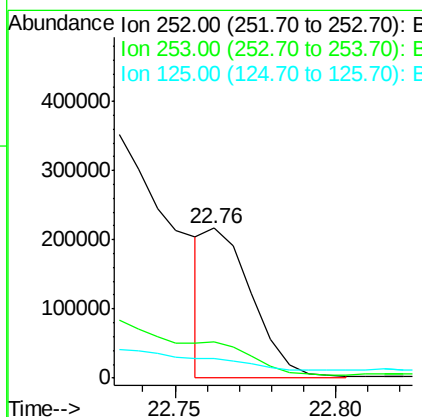
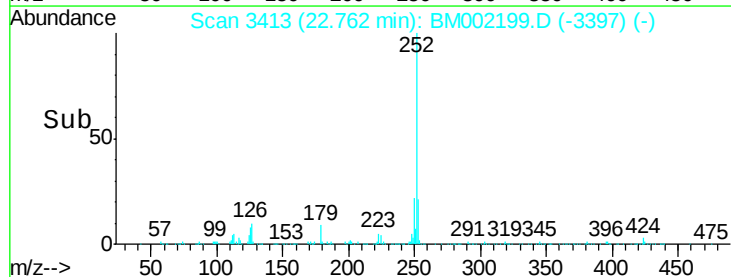
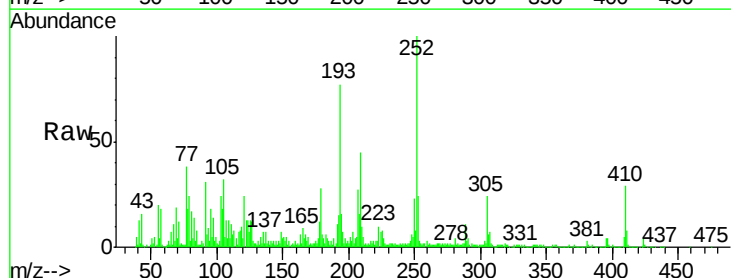
RT: 22.76 min Scan# 3413

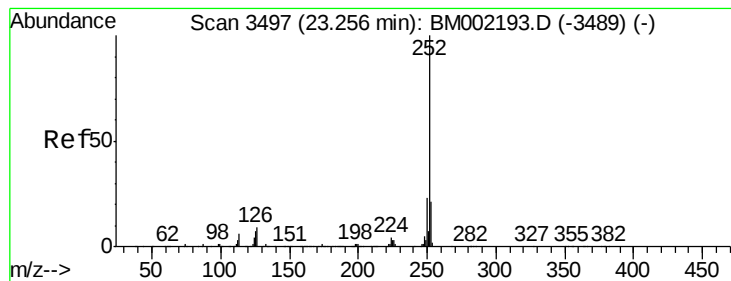
Delta R.T. 0.02 min

Lab File: BM002199.D

Acq: 03 Aug 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	218893		
253	24.1	17.4	26.0	
125	13.2	6.2	9.4	





#91

Benzo(a)pyrene

Concen: 18.62 ng/ul

RT: 23.29 min Scan# 3503

Delta R.T. 0.04 min

Lab File: BM002199.D

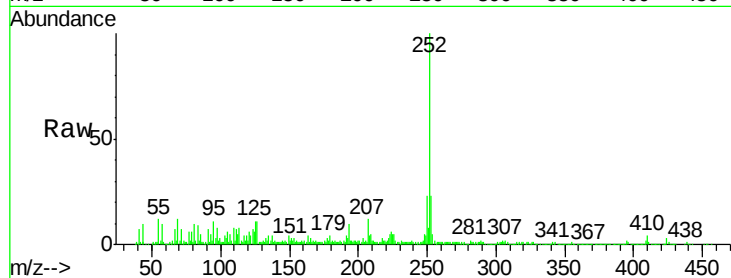
Acq: 03 Aug 2015 16:07

Instrument :

BNA_M

ClientSampleId :

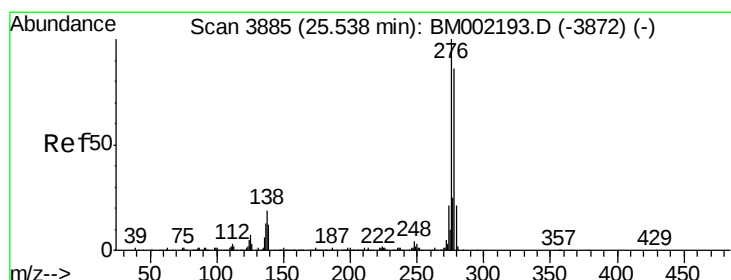
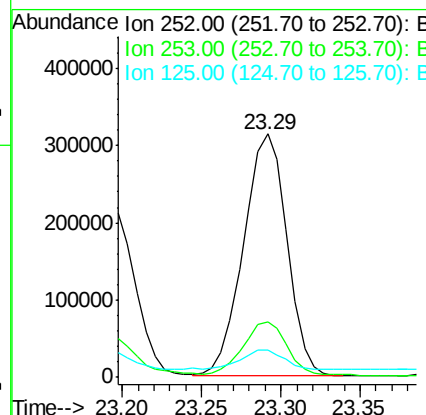
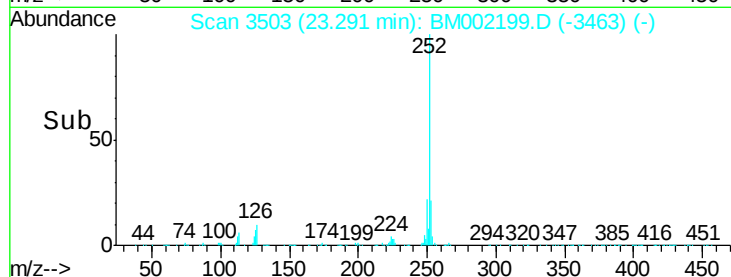
C01Q6



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	595989		
253	23.0	17.2	25.8	
125	11.2	6.6	10.0	

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#92

Indeno(1,2,3-cd)pyrene

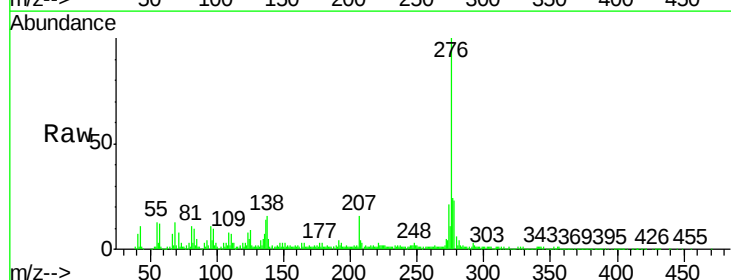
Concen: 10.59 ng/ul

RT: 25.59 min Scan# 3893

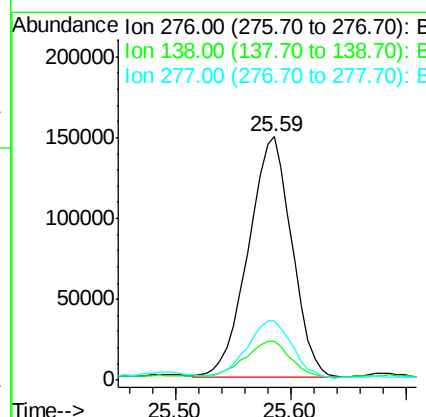
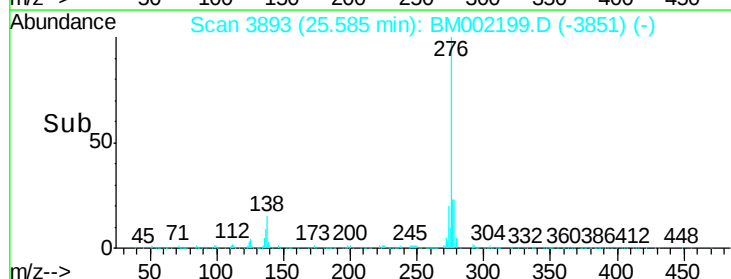
Delta R.T. 0.05 min

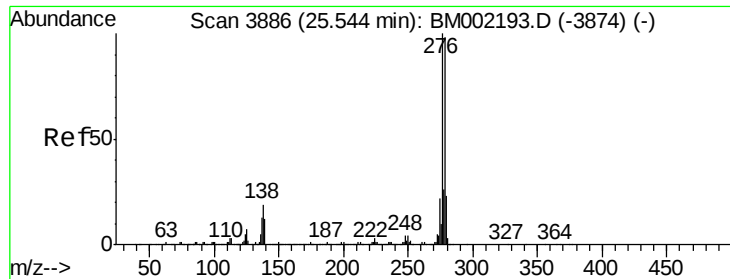
Lab File: BM002199.D

Acq: 03 Aug 2015 16:07



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	390594		
138	16.0	16.2	24.2	
277	24.2	19.8	29.8	





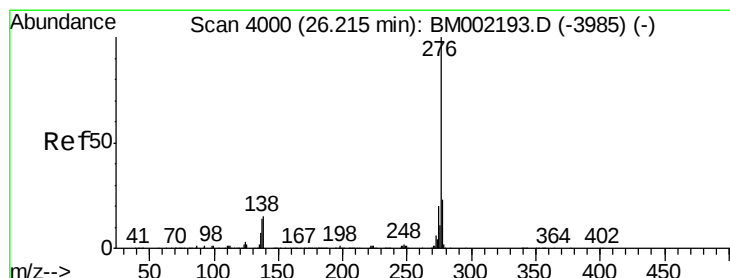
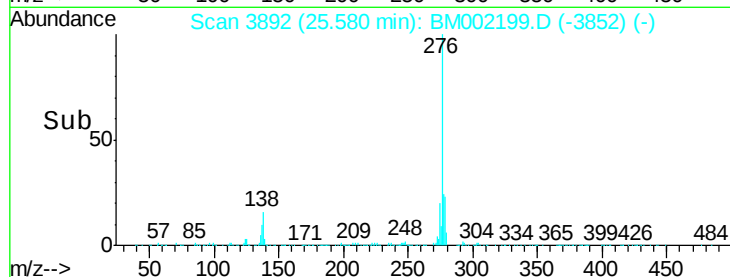
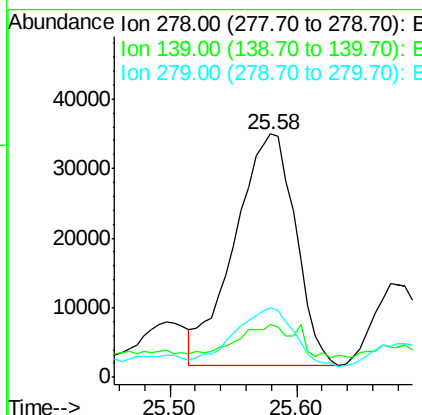
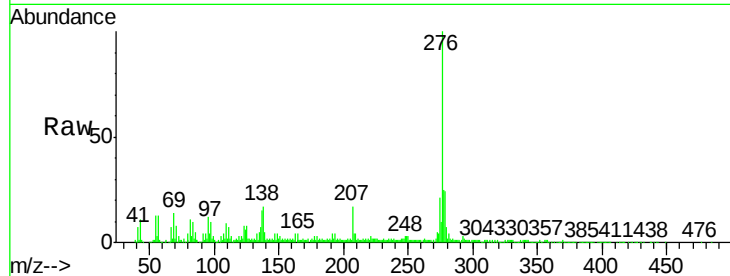
#93
Dibenzo(a,h)anthracene
Concen: 3.51 ng/ul
RT: 25.58 min Scan# 3892
Delta R.T. 0.04 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07

Instrument :
BNA_M
ClientSampleId :
C01Q6

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	110928		
139	21.6	10.6	16.0#	
279	28.8	18.5	27.7#	

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#94
Benzo(g,h,i)perylene
Concen: 11.98 ng/ul
RT: 26.26 min Scan# 4008
Delta R.T. 0.05 min
Lab File: BM002199.D
Acq: 03 Aug 2015 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	370575		
138	17.1	13.8	20.6	
277	24.4	18.2	27.2	

