

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002206.D
 Acq On : 03 Aug 2015 20:25
 Operator : TP/UM
 Sample : G3095-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S4

Manual Integrations
 APPROVED

MMDadoda
 8/6/2015 4:16:33 PM

Quant Time: Aug 04 05:04:51 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	79370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	341602	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	215670	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	504324	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	452820	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	451800	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1593	1.04	ng/uL	0.00
5) Phenol-d5	6.73	99	44732	7.88	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	23686	7.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	37180	7.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	37144	8.23	ng/ul	0.01
19) Nitrobenzene-d5	8.70	128	19073	7.85	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	18709	6.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	40263	7.75	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	37931	6.64	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	121650	7.70	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	151324	7.66	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	6579	2.50	ng/ul	0.02
58) Fluorene-d10	15.21	176	109230	7.86	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.06	188	169826	7.54	ng/ul	0.00
79) Pyrene-d10	19.37	212	171725	9.01	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	157342	7.18	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.37	128	33090	2.04	ng/ul	98
45) Dimethylphthalate	13.67	163	37819	2.40	ng/ul	99
48) Acenaphthylene	13.93	152	65374	3.21	ng/ul	98
50) Acenaphthene	14.27	153	51653	3.87	ng/ul	98
54) Dibenzofuran	14.61	168	31230	1.63	ng/ul	99
59) Fluorene	15.26	166	55135	3.48	ng/ul	99
70) Phenanthrene	17.01	178	1068034	40.89	ng/ul	99
72) Anthracene	17.10	178	291107	10.90	ng/ul	99
75) Carbazole	17.38	167	69876	3.06	ng/ul	98
77) Fluoranthene	19.04	202	2738030	90.78	ng/ul	99
80) Pyrene	19.42	202	2383216	96.72	ng/ul	100
83) Benzo(a)anthracene	21.16	228	1249717	49.79	ng/ul	98
85) Chrysene	21.22	228	1076903	45.85	ng/ul	97
88) Benzo(b)fluoranthene	22.72	252	1473040	58.02	ng/ul	98
89) Benzo(k)fluoranthene	22.76	252	464823m	18.98	ng/ul	
91) Benzo(a)pyrene	23.28	252	1084183	44.24	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.59	276	725172	25.68	ng/ul#	94
93) Dibenzo(a,h)anthracene	25.57	278	190588	7.89	ng/ul#	93
94) Benzo(g,h,i)perylene	26.26	276	660220	27.89	ng/ul	97

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

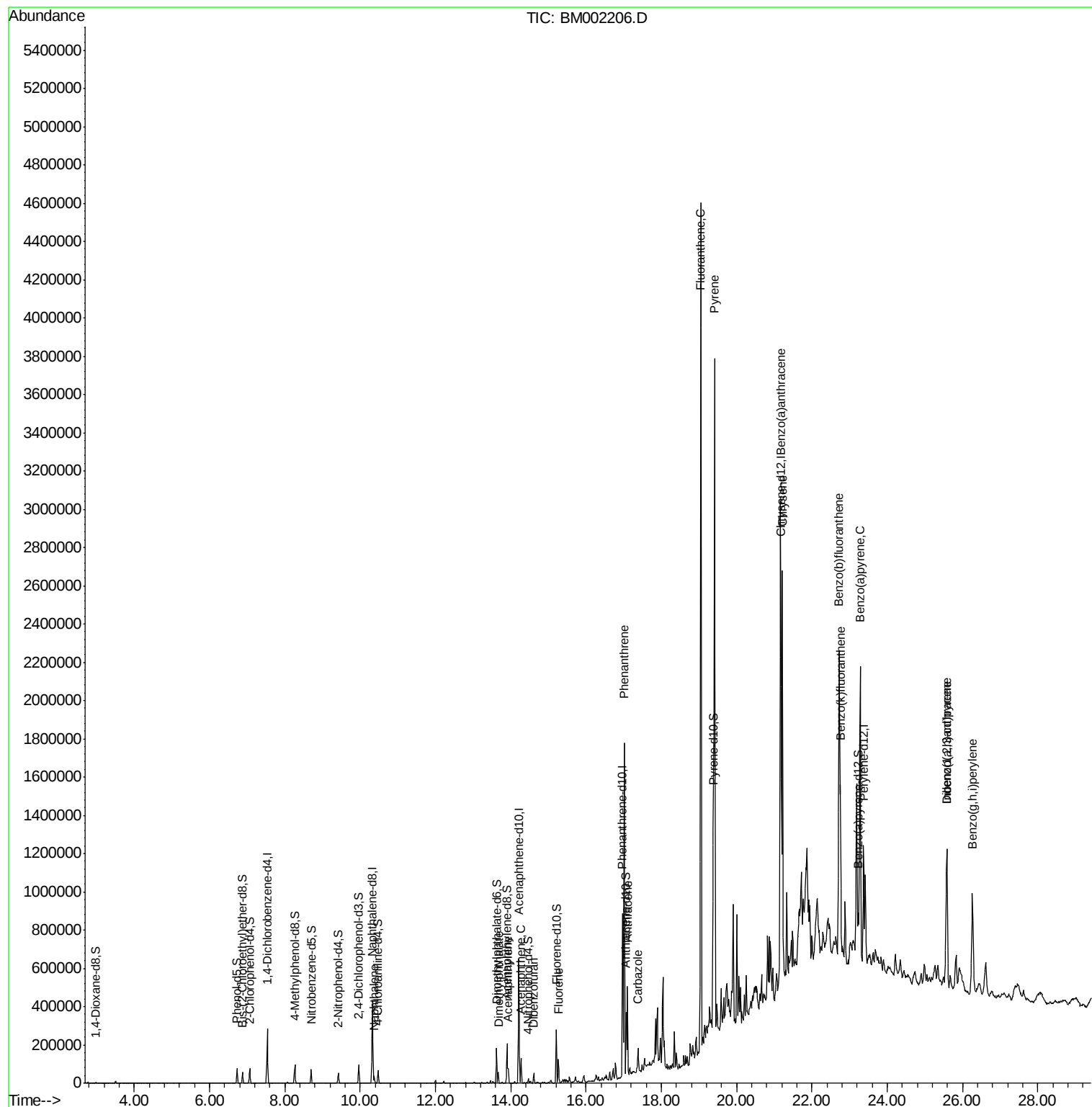
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002206.D
Acq On : 03 Aug 2015 20:25
Operator : TP/UM
Sample : G3095-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

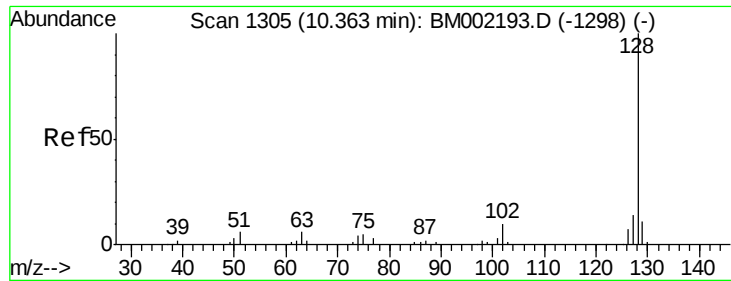
Instrument :
BNA_M
ClientSampleId :
C01S4

Manual Integrations
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Quant Time: Aug 04 05:04:51 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





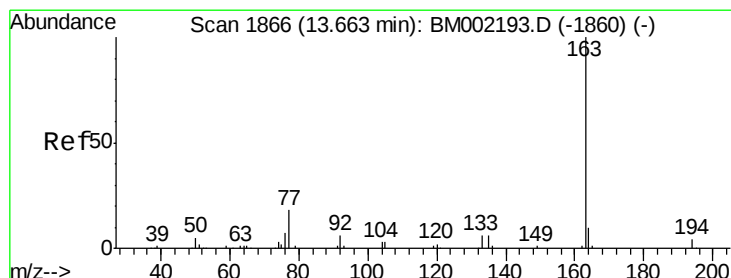
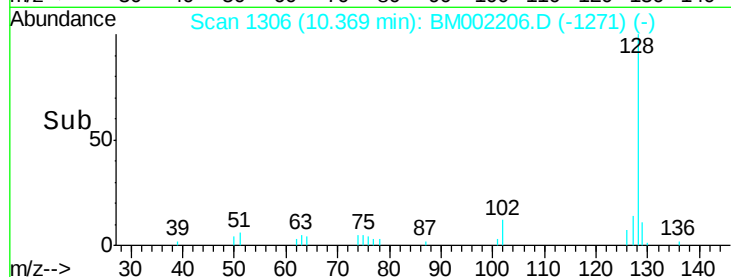
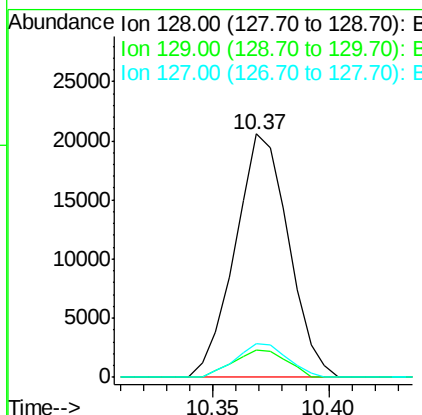
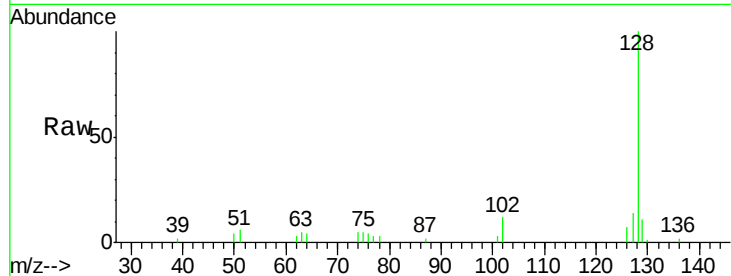
#28
Naphthalene
Concen: 2.04 ng/ul
RT: 10.37 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Instrument :
BNA_M
ClientSampled :
C01S4

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.8	10.2	15.4

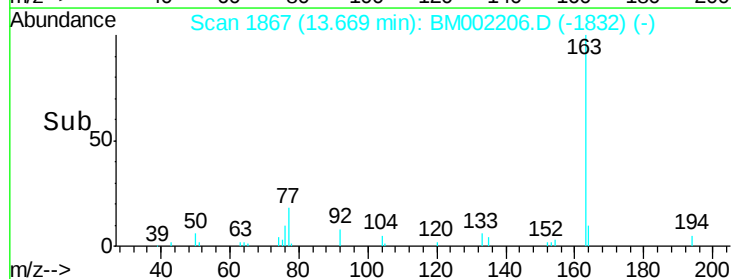
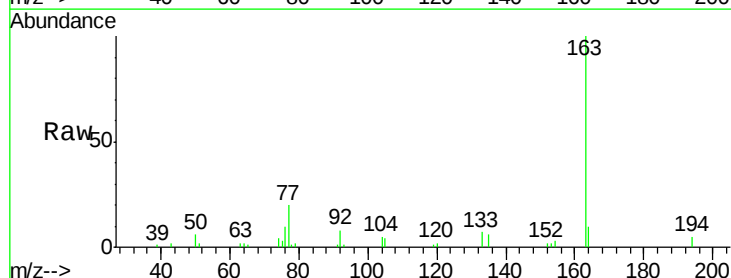
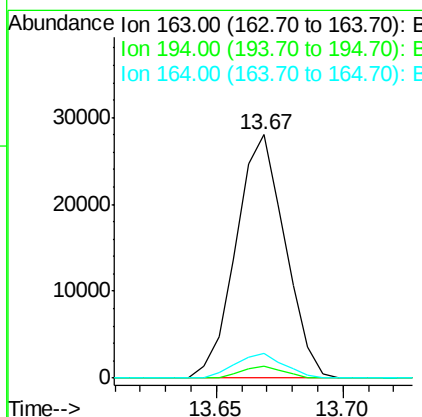
Manual Integrations
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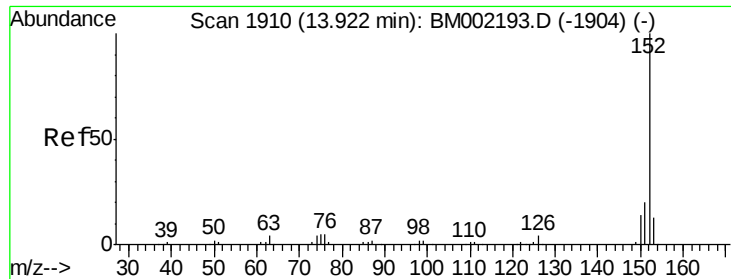
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#45
Dimethylphthalate
Concen: 2.40 ng/ul
RT: 13.67 min Scan# 1867
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.5	5.3
164	10.1	8.0	12.0





#48

Acenaphthylene

Concen: 3.21 ng/ul

RT: 13.93 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BM002206.D

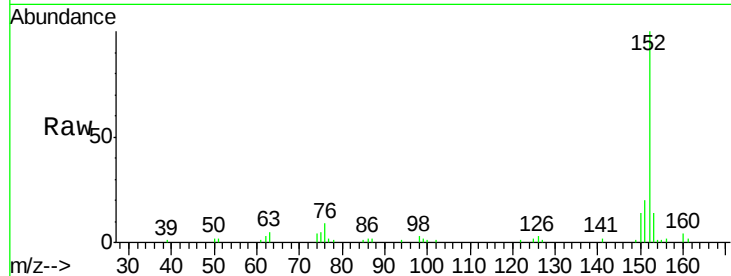
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Instrument :

BNA_M

ClientSampleId :

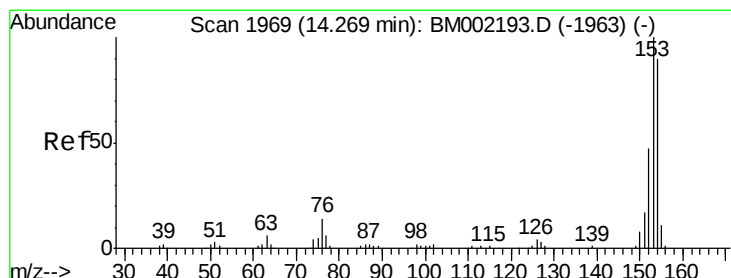
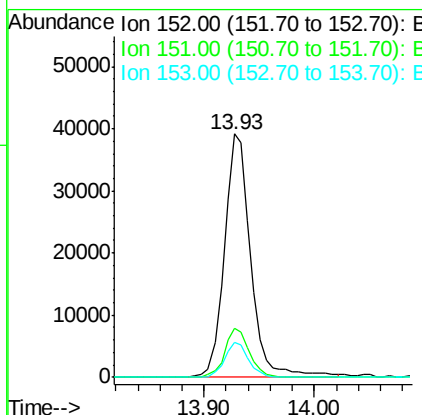
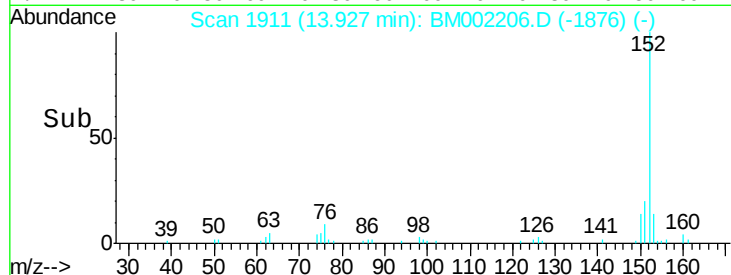
C01S4



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.6	23.4
153	14.2	10.3	15.5

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#50

Acenaphthene

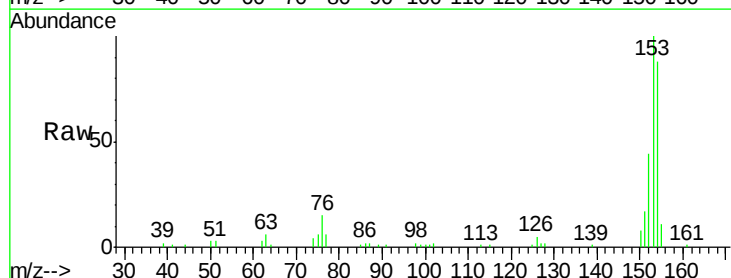
Concen: 3.87 ng/ul

RT: 14.27 min Scan# 1970

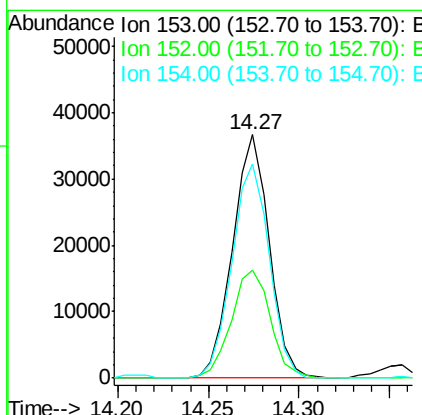
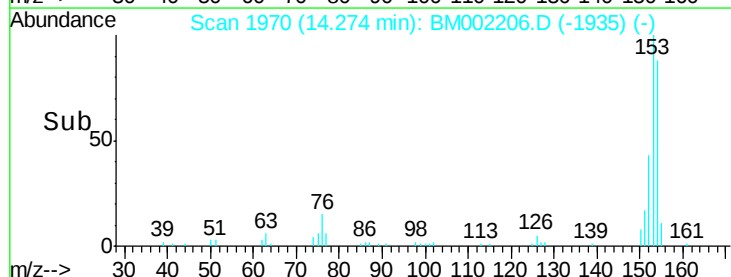
Delta R.T. 0.01 min

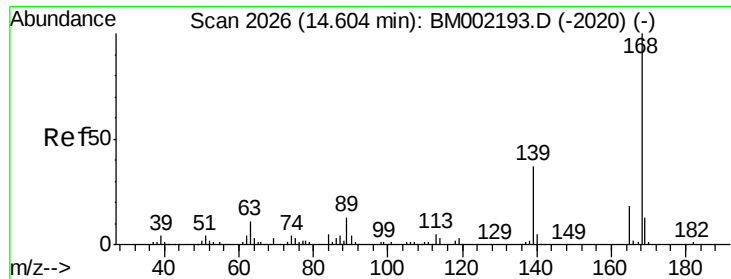
Lab File: BM002206.D

Acq: 03 Aug 2015 20:25



Tgt Ion	Ratio	Lower	Upper
153	100		
152	44.2	37.3	55.9
154	88.1	71.4	107.2





#54

Dibenzofuran

Concen: 1.63 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampled :

C01S4

Tgt Ion:168 Resp: 31230

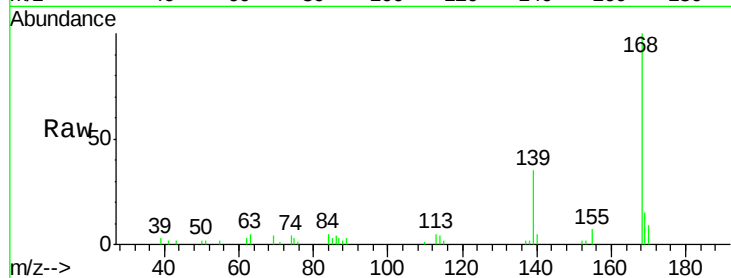
Ion Ratio Lower Upper

168 100

139 34.8 28.2 42.2

Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

25000

20000

15000

10000

5000

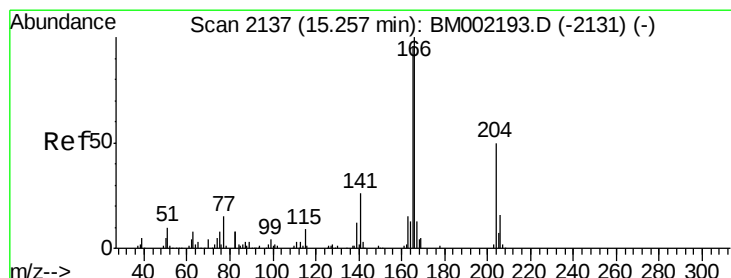
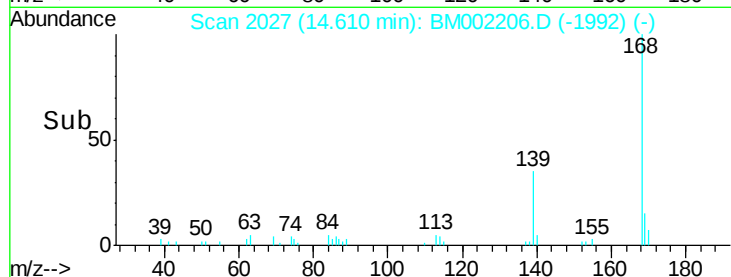
0

14.55

14.60

14.65

Time-->



#59

Fluorene

Concen: 3.48 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

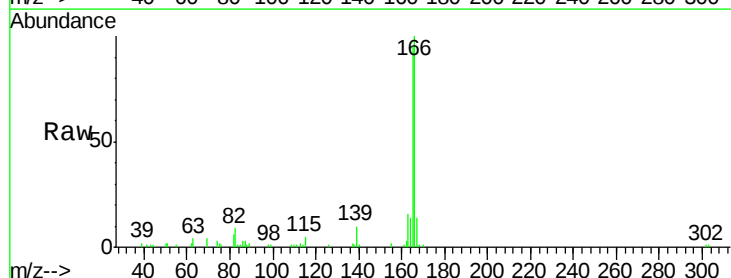
Tgt Ion:166 Resp: 55135

Ion Ratio Lower Upper

166 100

165 95.3 75.6 113.4

167 14.4 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

50000

40000

30000

20000

10000

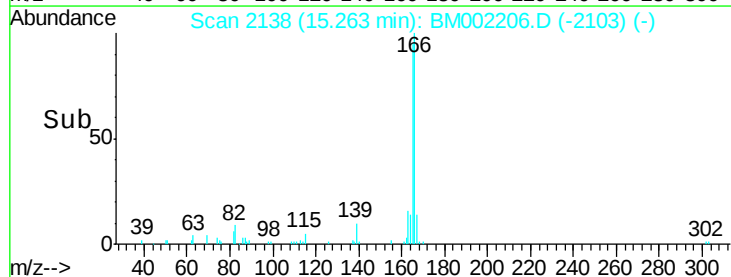
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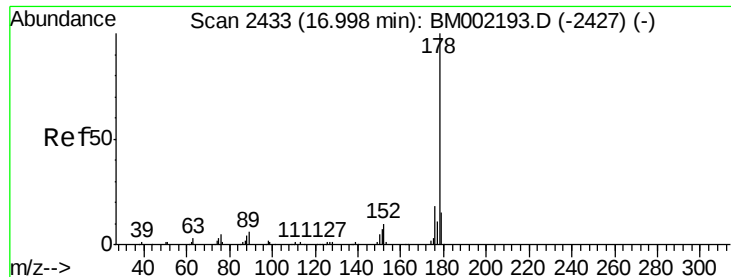
15.20

15.25

15.30

Time-->





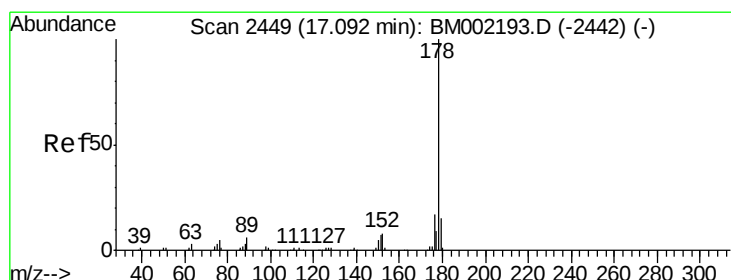
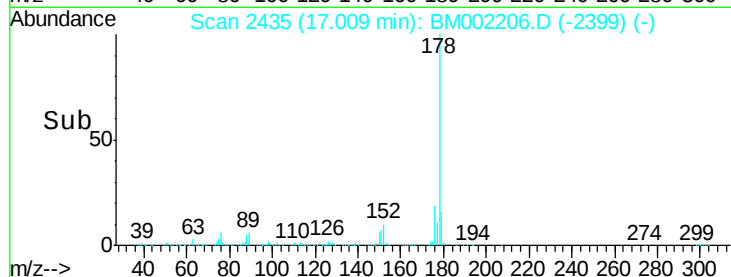
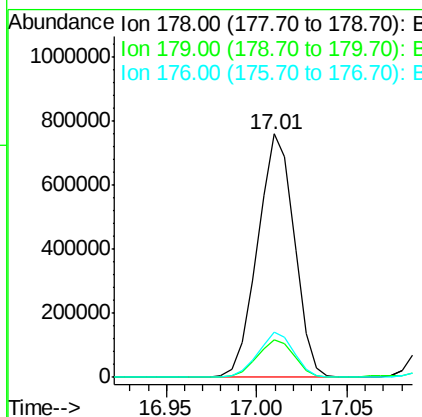
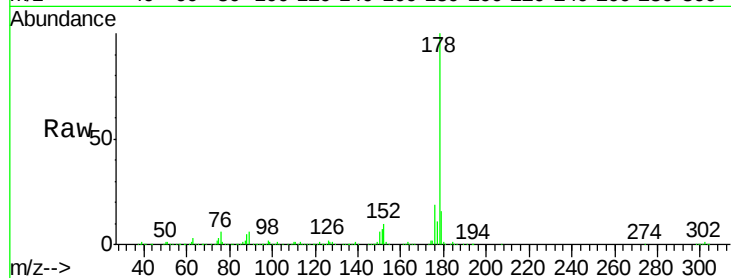
#70
Phenanthrene
Concen: 40.89 ng/ul
RT: 17.01 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Instrument :
BNA_M
ClientSampleId :
C01S4

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.6	14.2	21.4

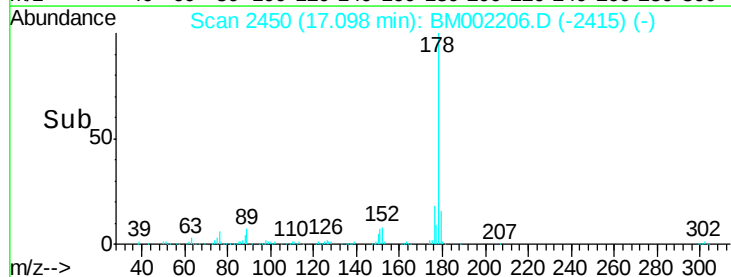
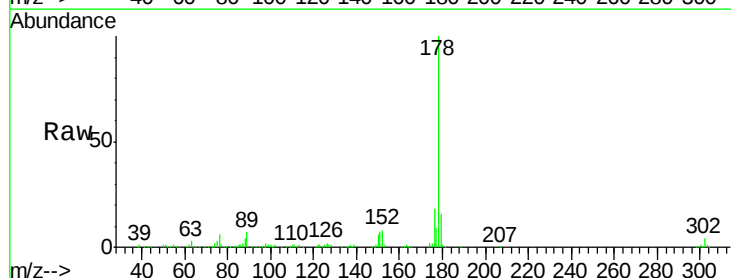
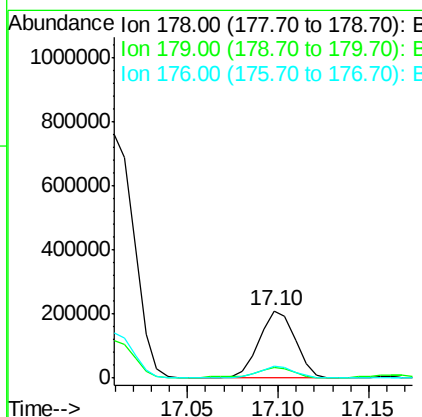
Manual Integrations
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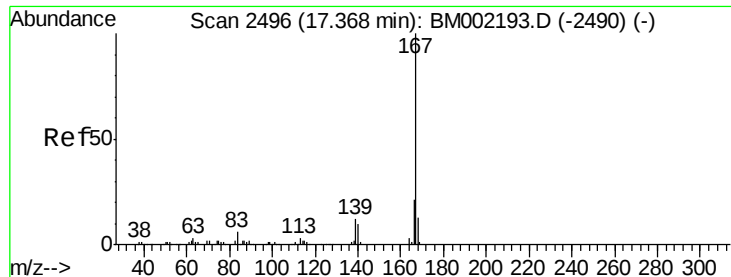
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#72
Anthracene
Concen: 10.90 ng/ul
RT: 17.10 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	17.9	14.1	21.1





#75

Carbazole

Concen: 3.06 ng/ul

RT: 17.38 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

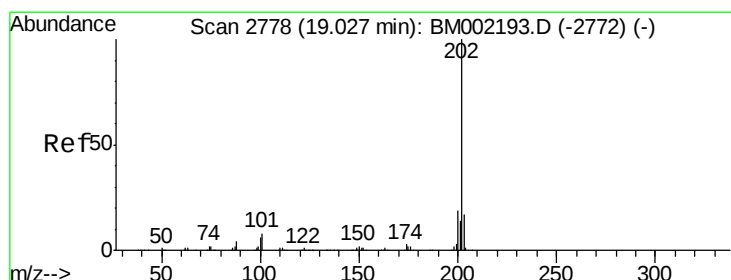
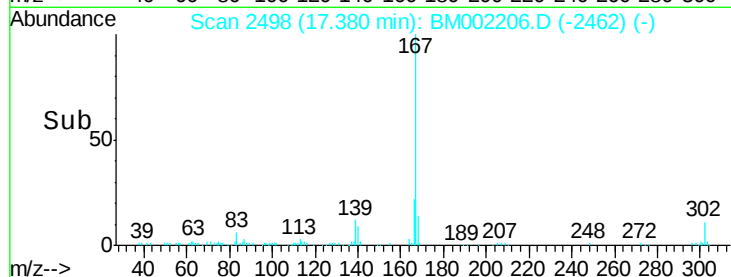
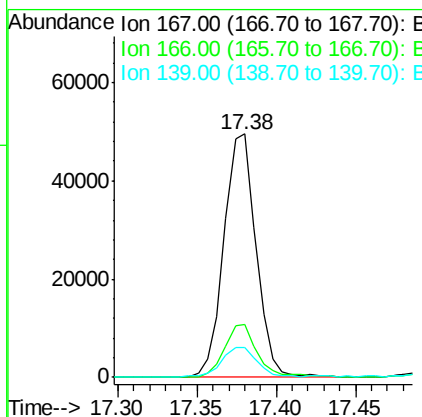
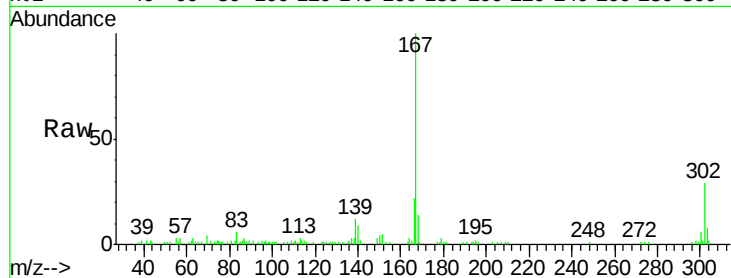
ClientSampleId :

C01S4

Tgt Ion:	167	Resp:	69876
Ion Ratio	Lower	Upper	
167	100		
166	21.6	16.2	24.4
139	12.3	9.6	14.4

Manual Integrations
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#77

Fluoranthene

Concen: 90.78 ng/ul

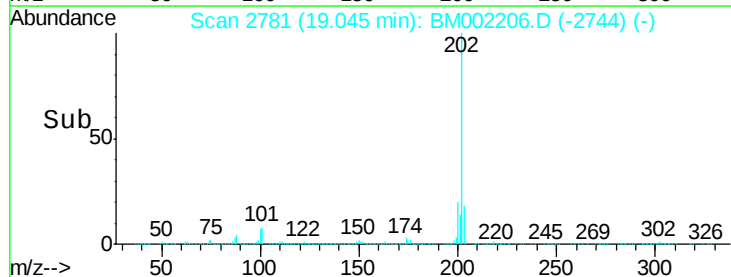
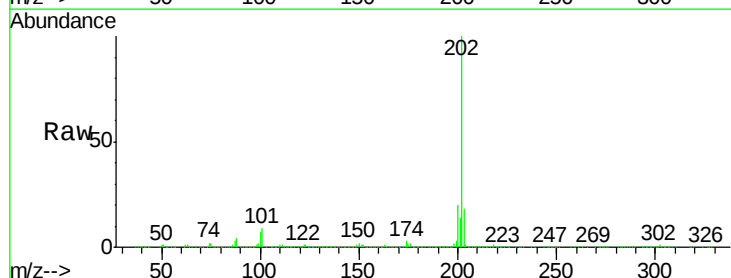
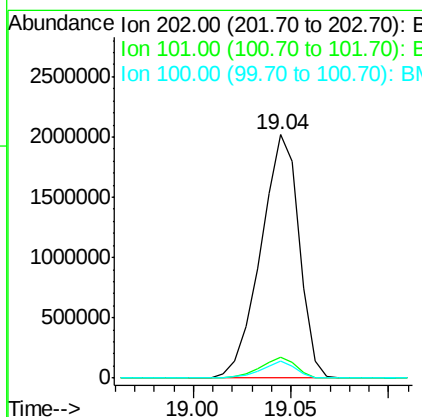
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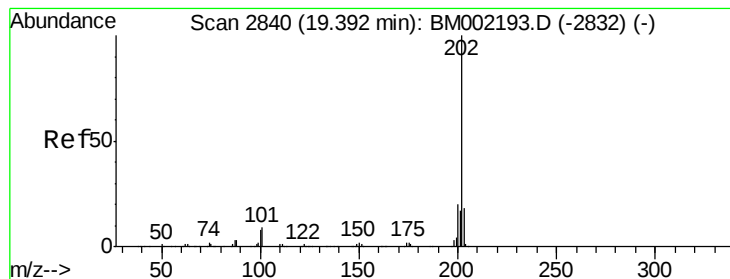
Delta R.T. 0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Tgt Ion:	202	Resp:	2738030
Ion Ratio	Lower	Upper	
202	100		
101	8.5	6.2	9.4
100	6.8	5.2	7.8





#80

Pyrene

Concen: 96.72 ng/ul

RT: 19.42 min Scan# 2844

Delta R.T. 0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

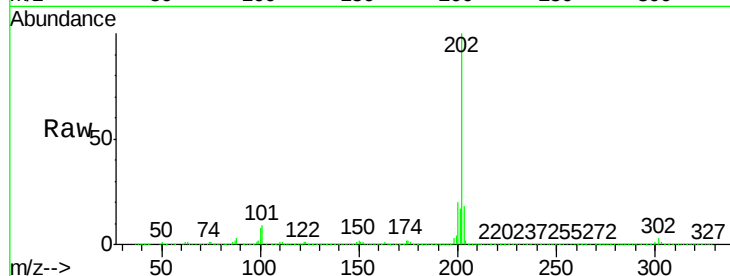
ClientSampleId :

C01S4

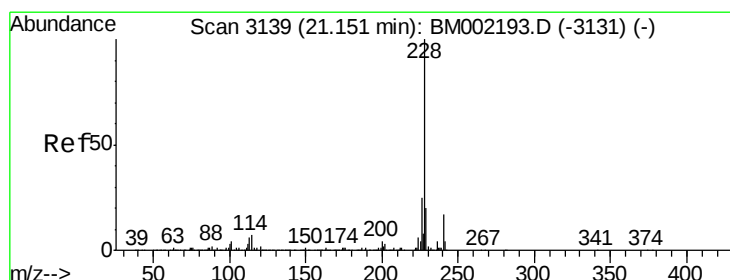
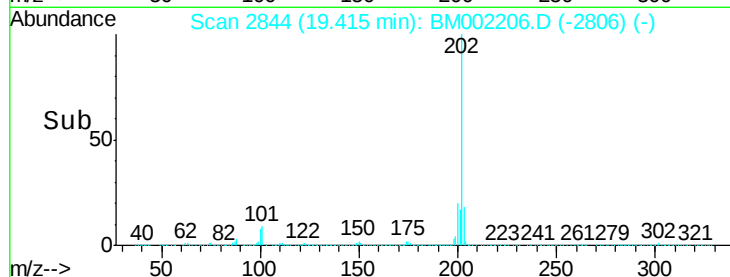
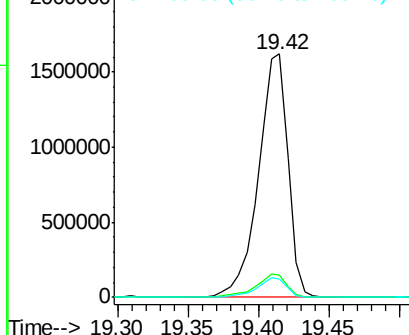
Tgt Ion:	202	Resp:	2383216
Ion	Ratio	Lower	Upper
202	100		
101	9.3	7.4	11.2
100	7.6	6.3	9.5

Manual Integrations
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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



#83

Benzo(a)anthracene

Concen: 49.79 ng/ul

RT: 21.16 min Scan# 3141

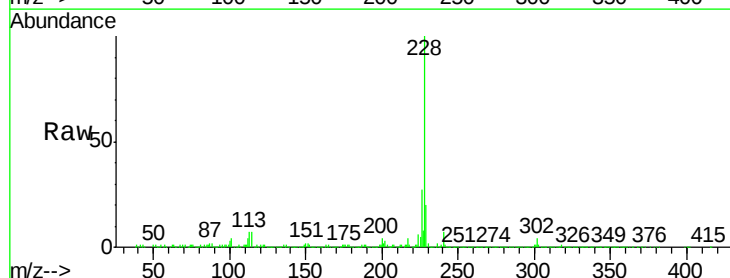
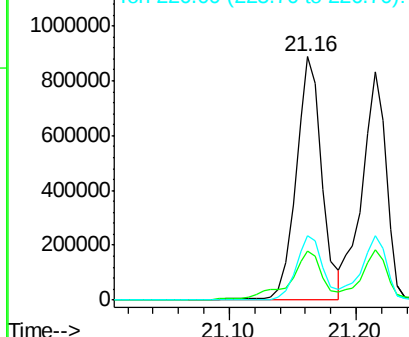
Delta R.T. 0.01 min

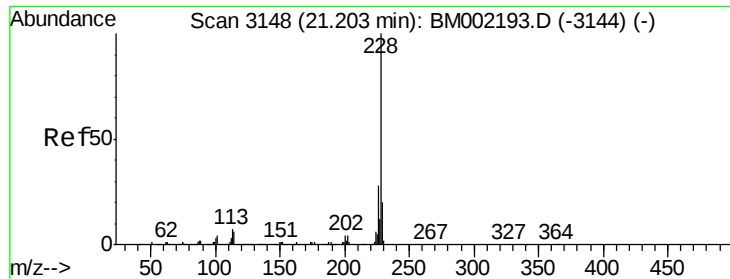
Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Tgt Ion:	228	Resp:	1249717
Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.2
226	26.7	20.5	30.7

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





#85

Chrysene

Concen: 45.85 ng/ul

RT: 21.22 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Instrument :

BNA_M

ClientSampleId :

C01S4

Tgt Ion:228 Resp: 1076903

Ion Ratio Lower Upper

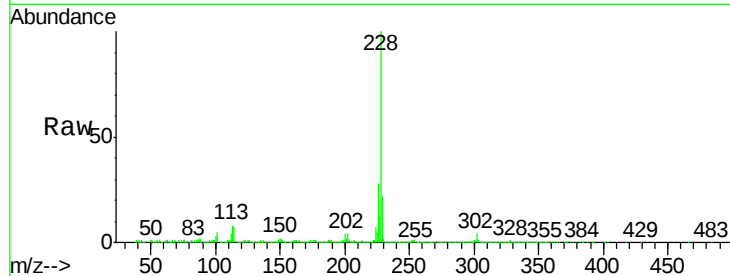
228 100

226 28.5 22.3 33.5

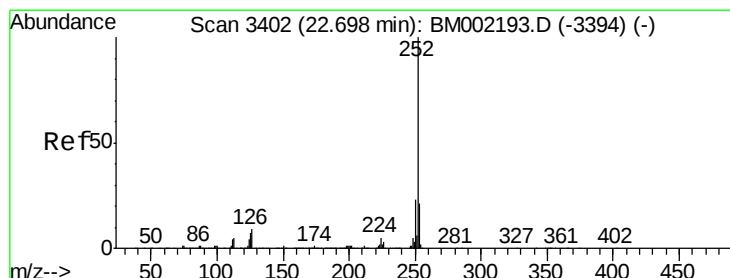
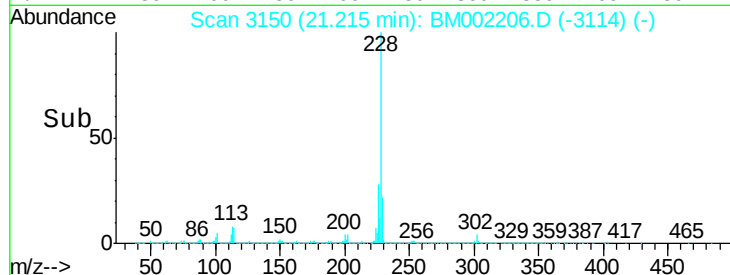
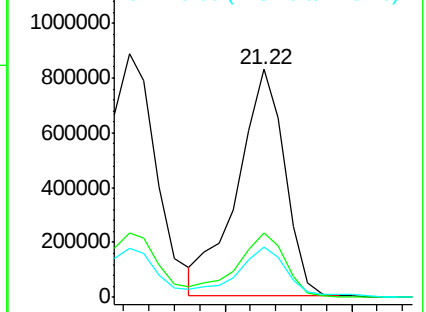
229 22.0 15.5 23.3

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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: 58.02 ng/ul

RT: 22.72 min Scan# 3406

Delta R.T. 0.02 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

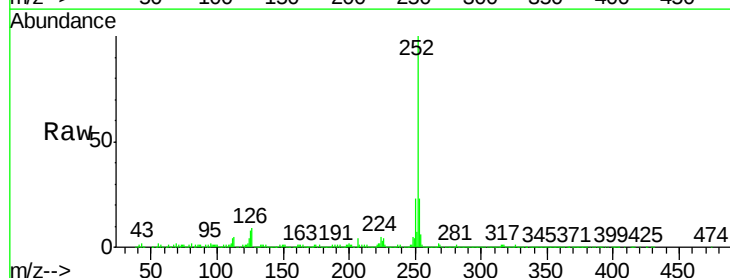
Tgt Ion:252 Resp: 1473040

Ion Ratio Lower Upper

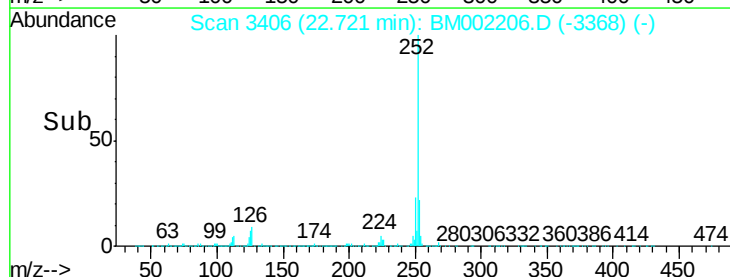
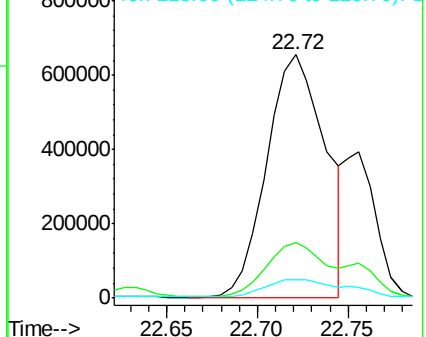
252 100

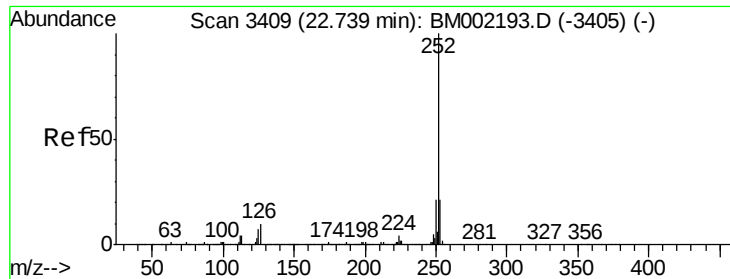
253 22.7 16.9 25.3

125 7.7 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





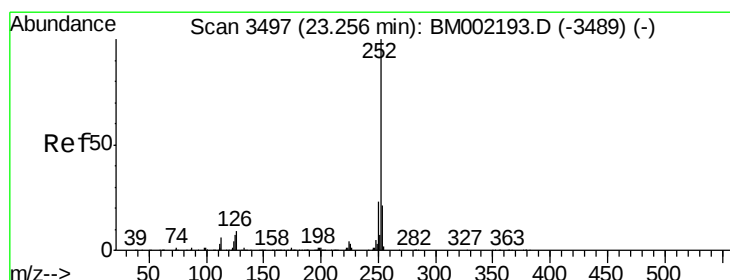
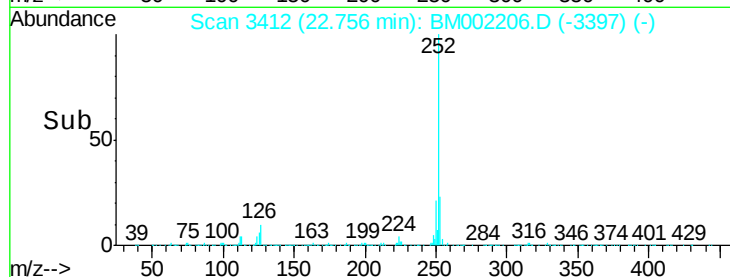
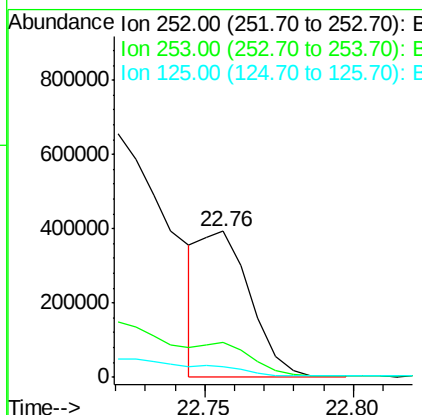
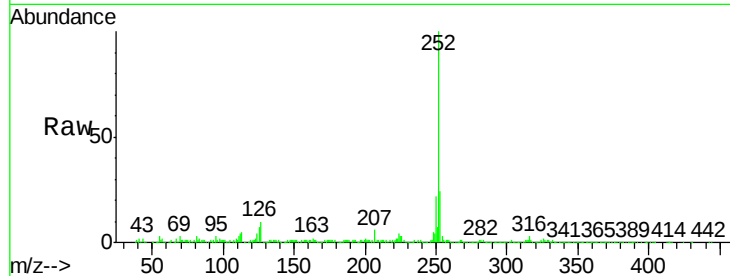
#89
Benzo(k)fluoranthene
Concen: 18.98 ng/ul m
RT: 22.76 min Scan# 3412
Delta R.T. 0.02 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Instrument :
BNA_M
ClientSampleId :
C01S4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	7.2	6.2	9.4

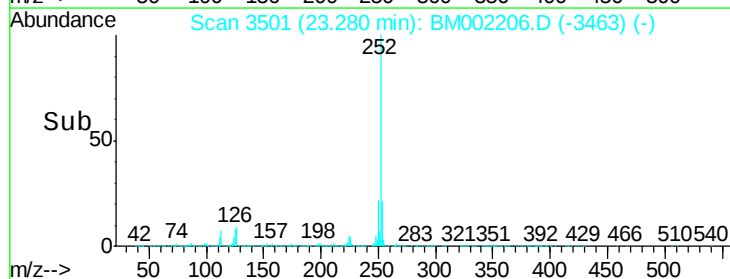
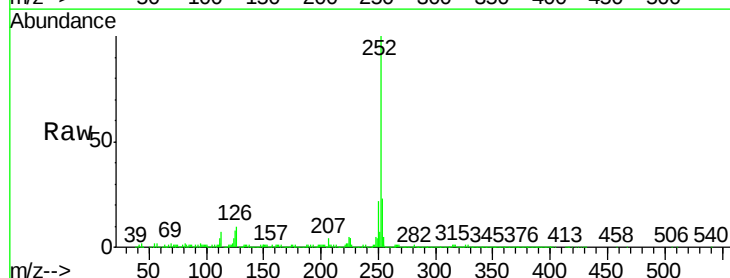
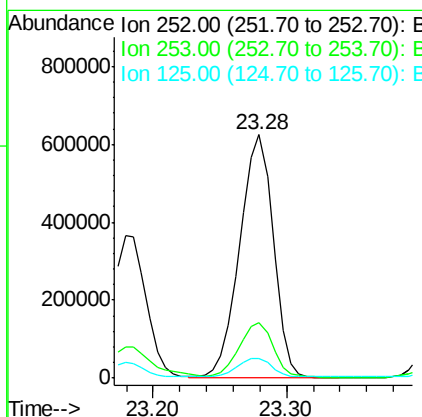
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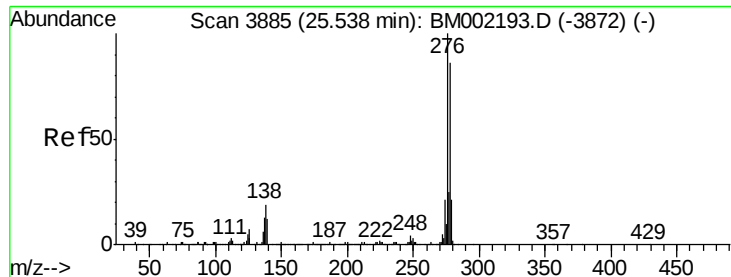
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#91
Benzo(a)pyrene
Concen: 44.24 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.02 min
Lab File: BM002206.D
Acq: 03 Aug 2015 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	8.2	6.6	10.0





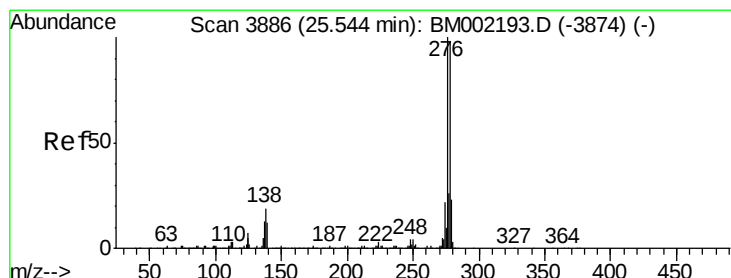
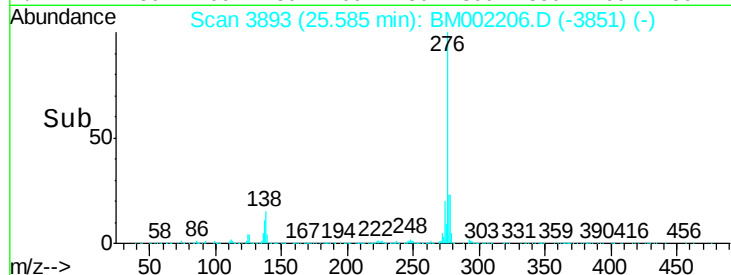
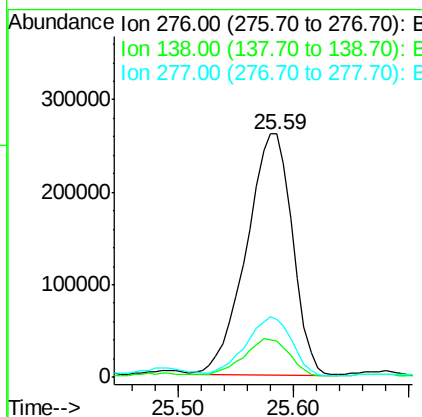
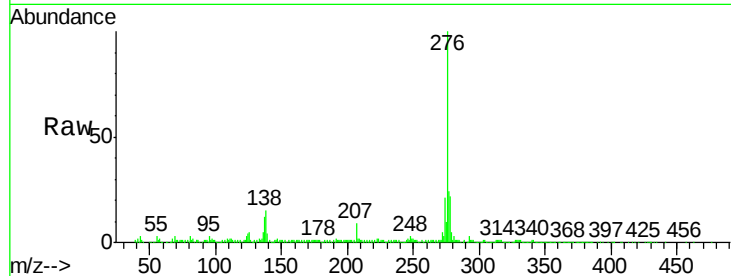
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 25.68 ng/ul
 RT: 25.59 min Scan# 3893
 Delta R.T. 0.05 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

Instrument :
 BNA_M
 ClientSampleId :
 C01S4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	16.2	24.2#
277	23.7	19.8	29.8

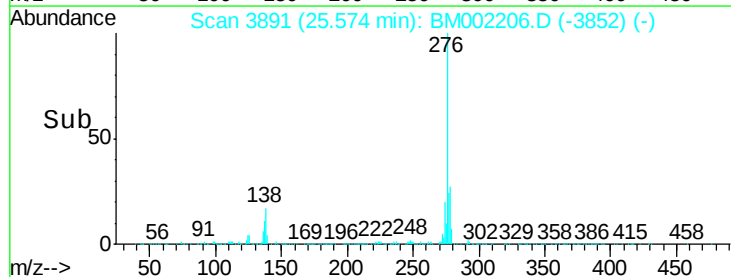
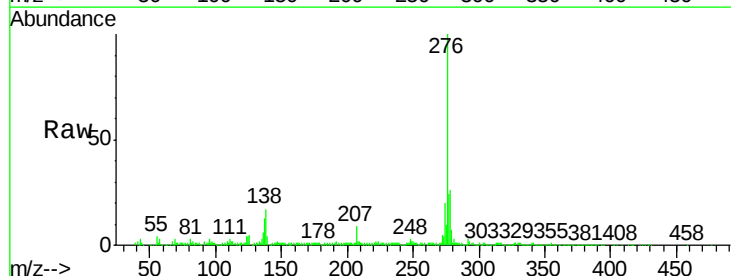
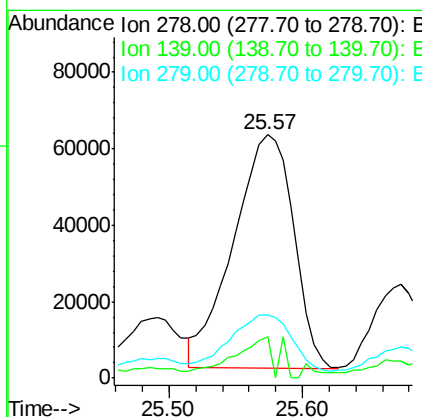
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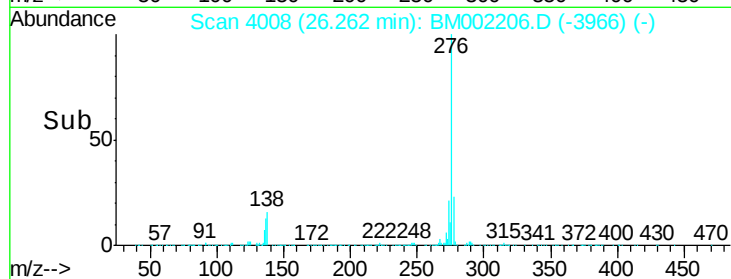
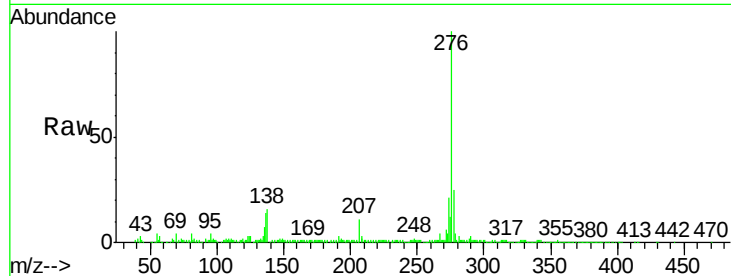
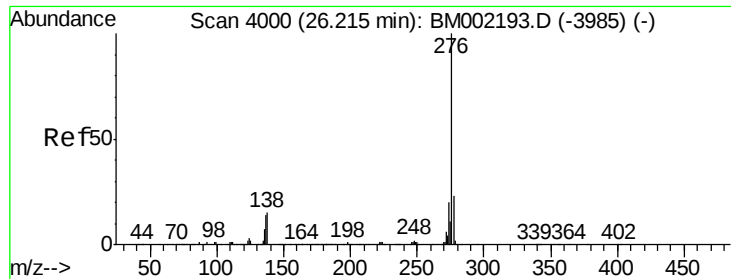
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#93
 Dibenzo(a,h)anthracene
 Concen: 7.89 ng/ul
 RT: 25.57 min Scan# 3891
 Delta R.T. 0.03 min
 Lab File: BM002206.D
 Acq: 03 Aug 2015 20:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	10.6	16.0#
279	26.0	18.5	27.7





#94

Benzo(g,h,i)perylene

Concen: 27.89 ng/ul

RT: 26.26 min Scan# 4008

Delta R.T. 0.05 min

Lab File: BM002206.D

Acq: 03 Aug 2015 20:25

Tgt Ion:	276	Resp:	660220
Ion Ratio	Lower	Upper	
276	100		
138	16.4	13.8	20.6
277	24.7	18.2	27.2

Instrument :

BNA_M

ClientSampleId :

C01S4

Manual Integrations
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