

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
 Data File : BM002223.D
 Acq On : 04 Aug 2015 23:18
 Operator : TP/UM
 Sample : G3095-02RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:42:52 PM

Quant Time: Aug 05 05:06:09 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	149809	20.00	ng/ul	0.00
18) Naphthalene-d8	10.31	136	546062	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	285598	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	604134	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	755356	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	813704	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.97	96	3648	1.38	ng/uL	0.00
5) Phenol-d5	6.72	99	86906	7.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	50340	8.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	78035	8.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	66344	7.18	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	36521	9.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	39504	8.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	71235	7.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	32460	3.28	ng/ul	0.00
44) Dimethylphthalate-d6	13.61	166	193844	9.33	ng/ul	0.00
47) Acenaphthylene-d8	13.89	160	240746	9.17	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	15735	5.85	ng/ul	0.00
58) Fluorene-d10	15.20	176	167891	9.15	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	7958	2.29	ng/ul	0.00
71) Anthracene-d10	17.06	188	248168	9.23	ng/ul	0.00
79) Pyrene-d10	19.36	212	284564	7.87	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	361508	9.15	ng/ul	0.03

Target Compounds

					Ovalue
34) 2-Methylnaphthalene	11.99	142	26871	1.35 ng/ul	95
45) Dimethylphthalate	13.66	163	78564	3.79 ng/ul	98
48) Acenaphthylene	13.92	152	110397	4.12 ng/ul	93
50) Acenaphthene	14.26	153	34758	1.99 ng/ul	97
54) Dibenzofuran	14.60	168	31355	1.24 ng/ul	91
59) Fluorene	15.26	166	48824	2.34 ng/ul	96
70) Phenanthrene	17.00	178	909185	29.31 ng/ul	100
72) Anthracene	17.09	178	216829	6.84 ng/ul	97
75) Carbazole	17.37	167	48476	1.83 ng/ul#	92
77) Fluoranthene	19.03	202	1574336	46.37 ng/ul	99
80) Pyrene	19.40	202	1764001	38.00 ng/ul	98
83) Benzo(a)anthracene	21.16	228	876394	20.71 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	292716	12.29 ng/ul	100
85) Chrysene	21.21	228	886694	22.76 ng/ul	96
88) Benzo(b)fluoranthene	22.71	252	1235306	26.94 ng/ul#	94
89) Benzo(k)fluoranthene	22.75	252	291872m	6.57 ng/ul	
91) Benzo(a)pyrene	23.28	252	813972	18.59 ng/ul#	96
92) Indeno(1,2,3-cd)pyrene	25.57	276	523676	10.61 ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	149795	3.56 ng/ul#	89
94) Benzo(g,h,i)perylene	26.25	276	497981	12.12 ng/ul	98

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

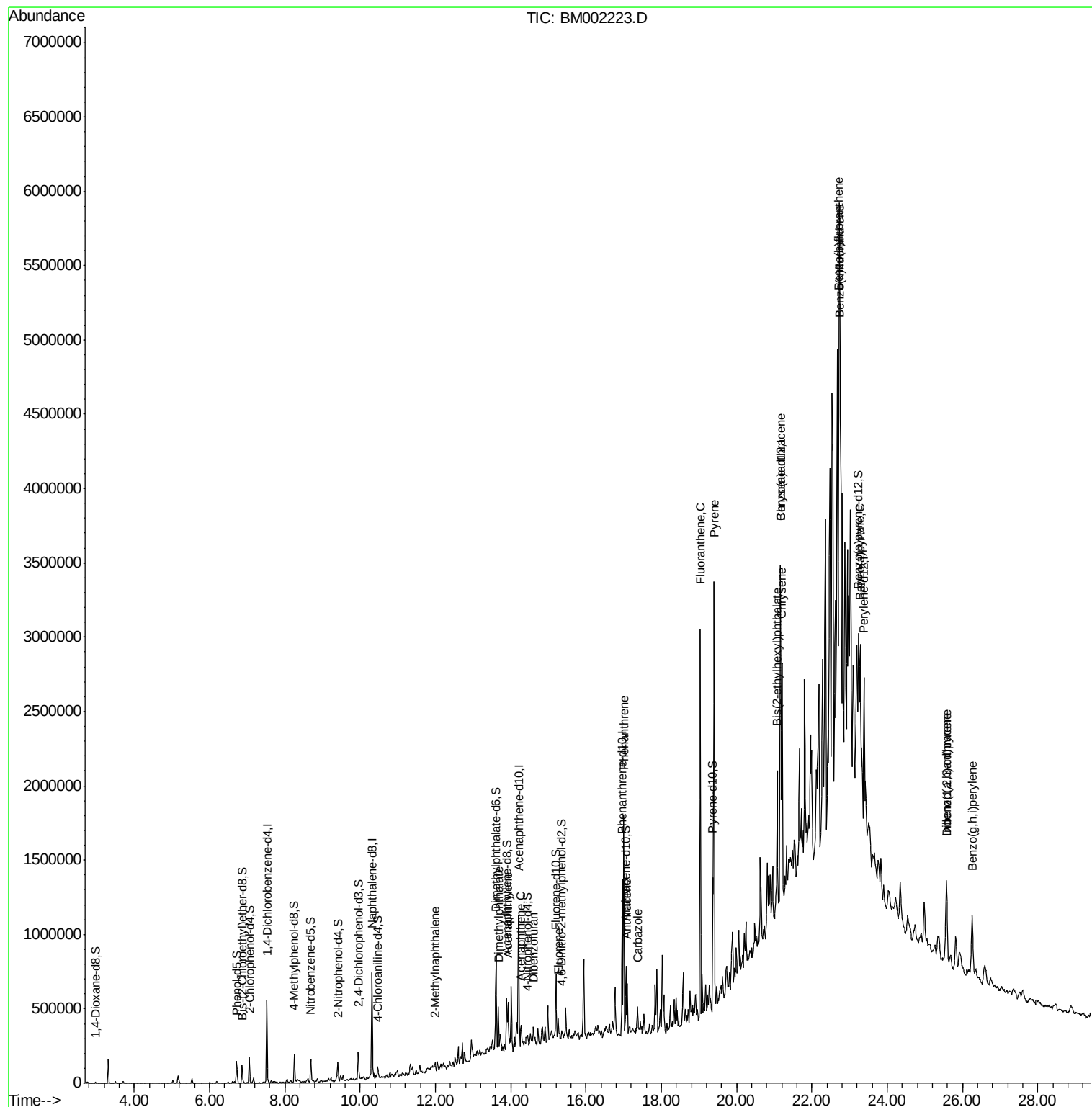
Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002223.D
Acq On : 04 Aug 2015 23:18
Operator : TP/UM
Sample : G3095-02RE
Misc :
ALS Vial : 13 Sample Multiplier: 1

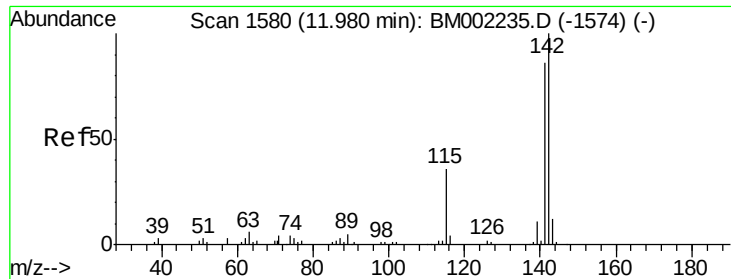
Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Manual Integrations
APPROVED

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Quant Time: Aug 05 05:06:09 2015
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Quant Title : SVOA CALIBRATION
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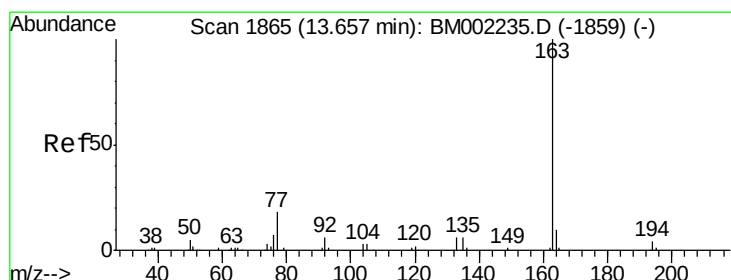
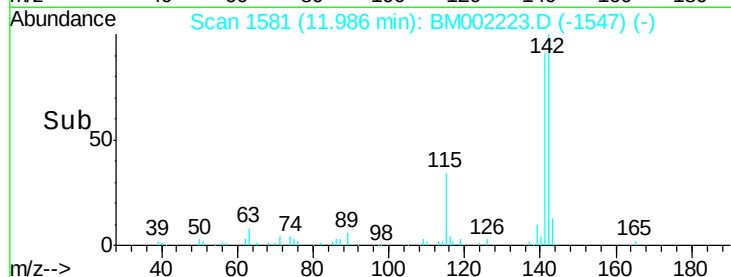
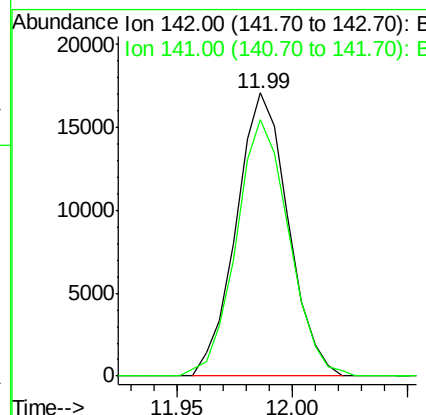
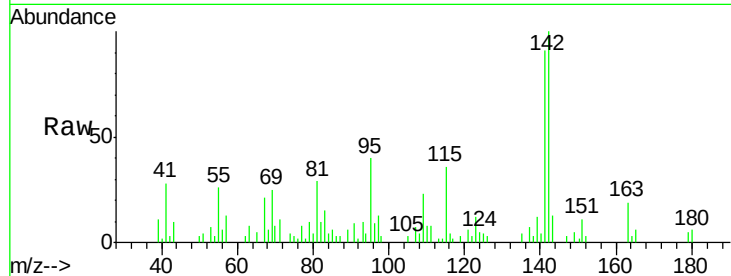
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2-Methylnaphthalene
Concen: 1.35 ng/ul
RT: 11.99 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion:142 Resp: 26871
Ion Ratio Lower Upper
142 100
141 90.5 68.9 103.3

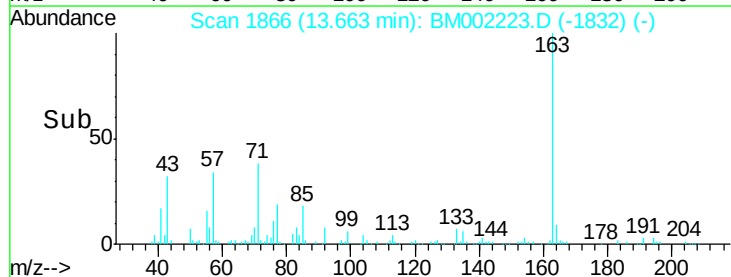
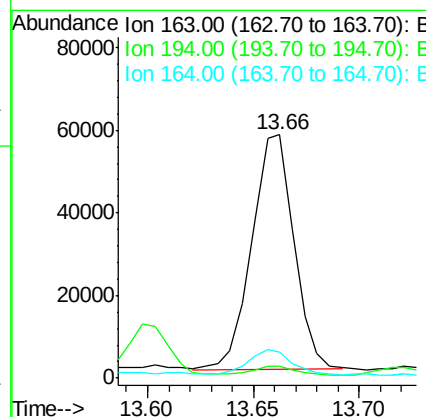
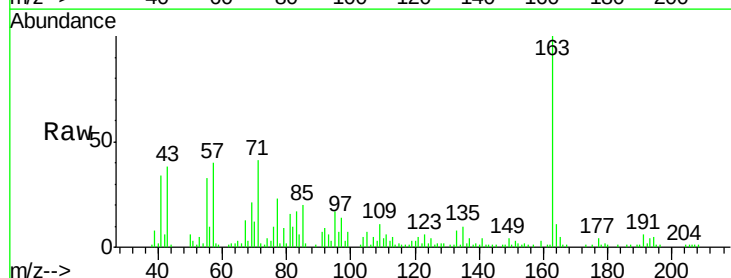
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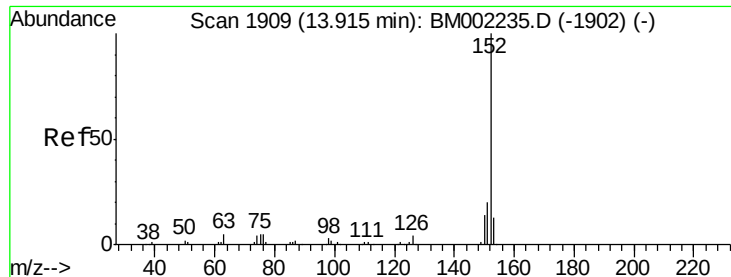
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#45
Dimethylphthalate
Concen: 3.79 ng/ul
RT: 13.66 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion:163 Resp: 78564
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.5 7.9 11.9





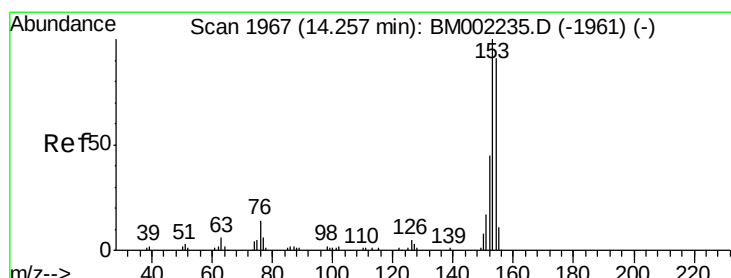
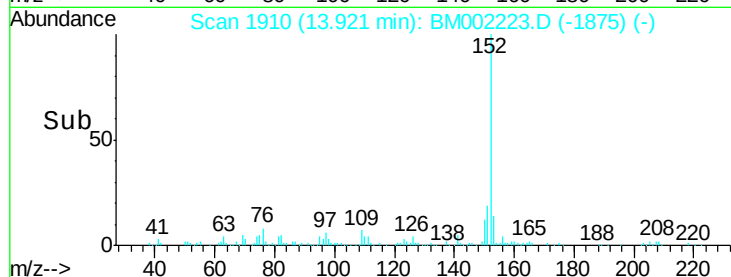
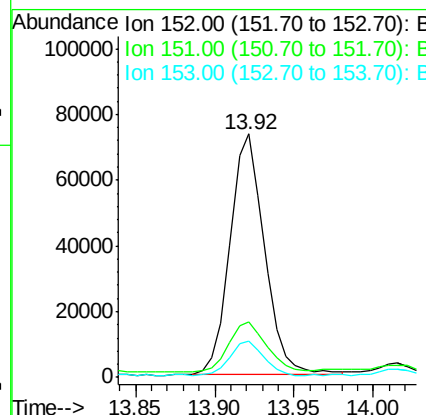
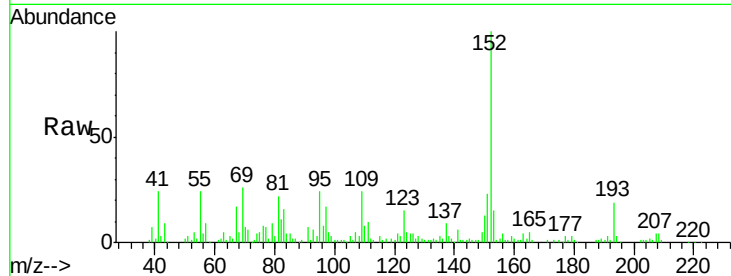
#48
Acenaphthylene
Concen: 4.12 ng/ul
RT: 13.92 min Scan# 1910
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	110397		
151	22.6	15.2	22.8	
153	14.7	10.3	15.5	

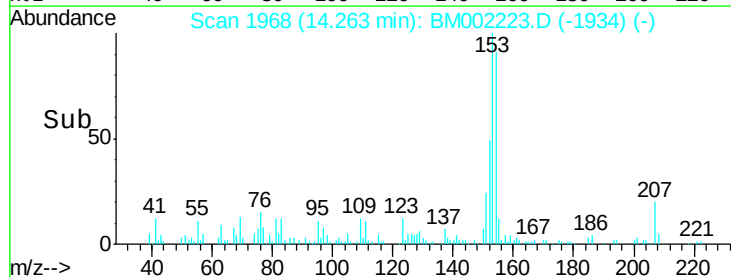
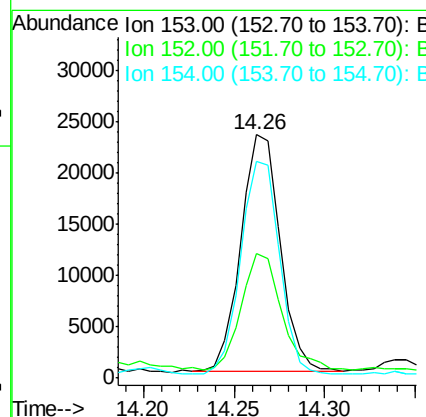
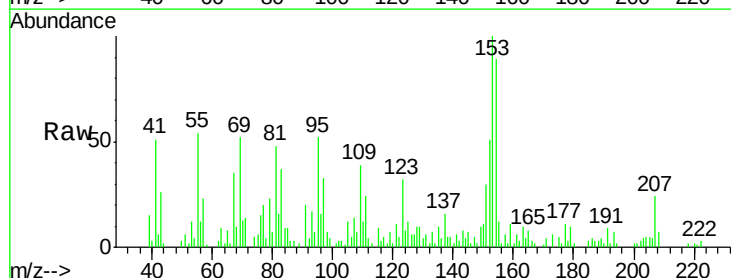
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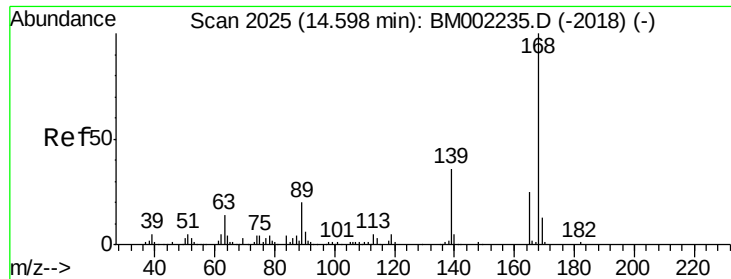
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#50
Acenaphthene
Concen: 1.99 ng/ul
RT: 14.26 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	34758		
152	51.2	36.6	54.8	
154	89.2	71.7	107.5	





#54

Dibenzenofuran

Concen: 1.24 ng/ul

RT: 14.60 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

ClientSampleId :

C01Q6RE

Tot Ion:168 Resp: 31355

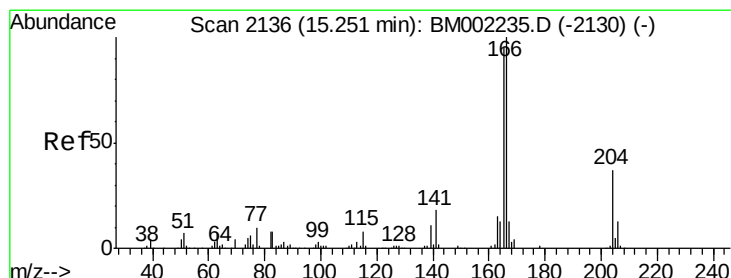
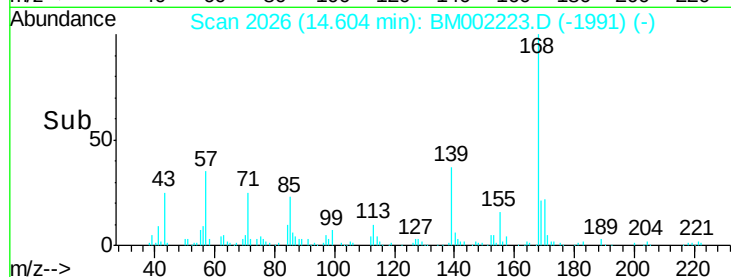
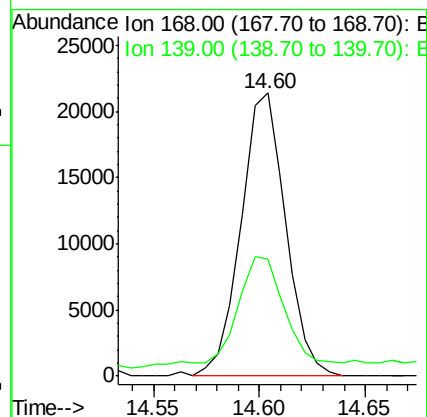
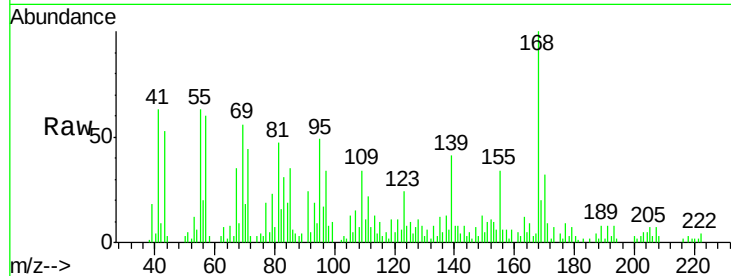
Ion Ratio Lower Upper

168 100

139 41.1 28.6 42.8

Manual Integrations
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#59

Fluorene

Concen: 2.34 ng/ul

RT: 15.26 min Scan# 2137

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

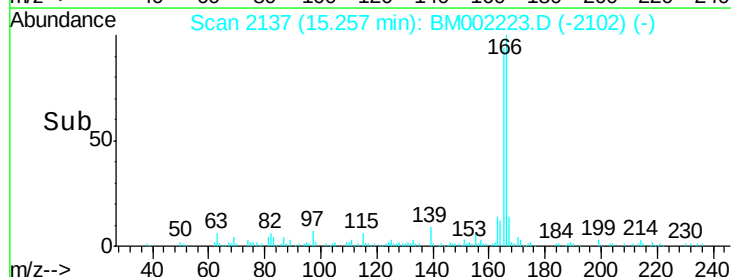
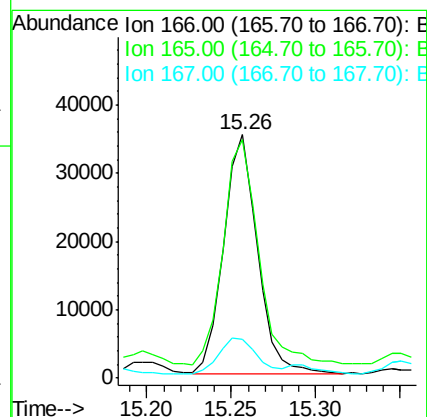
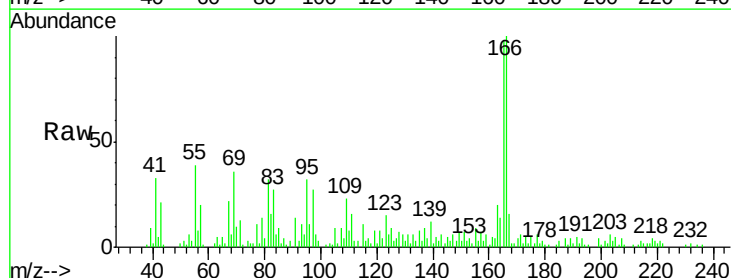
Tgt Ion:166 Resp: 48824

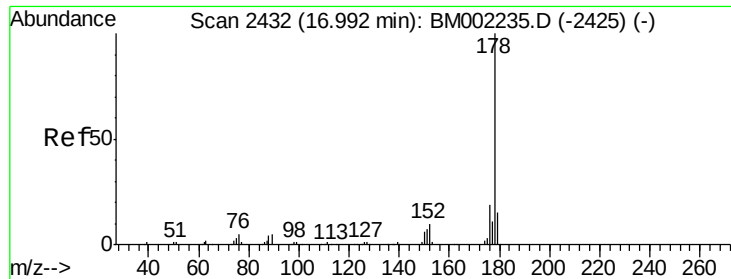
Ion Ratio Lower Upper

166 100

165 98.2 76.0 114.0

167 15.7 10.5 15.7





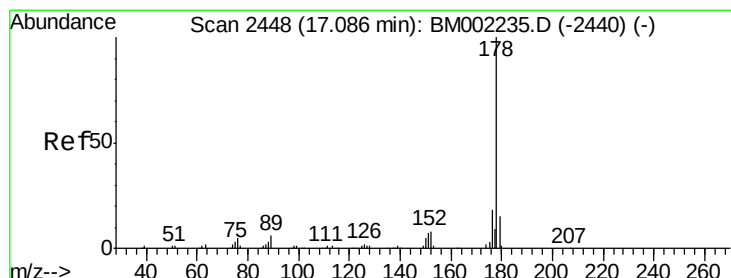
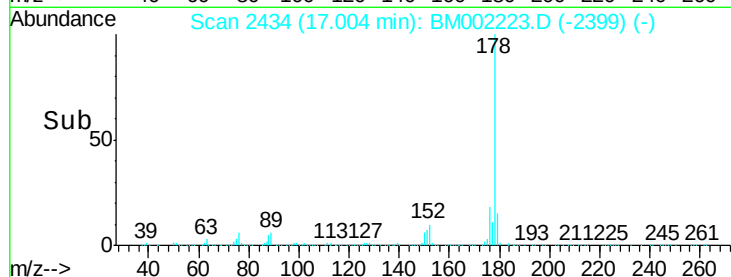
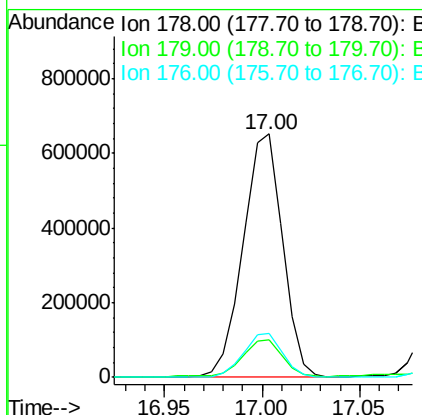
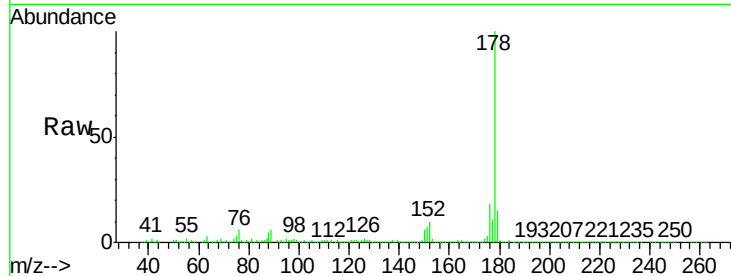
#70
Phenanthrene
Concen: 29.31 ng/ul
RT: 17.00 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion	Ratio	Resp	Lower	Upper
178	100	909185		
179	15.2		12.2	18.4
176	18.0		14.6	21.8

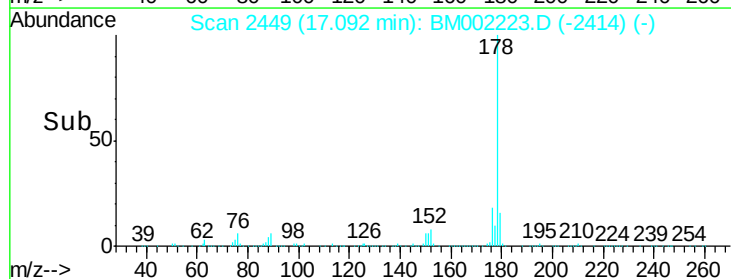
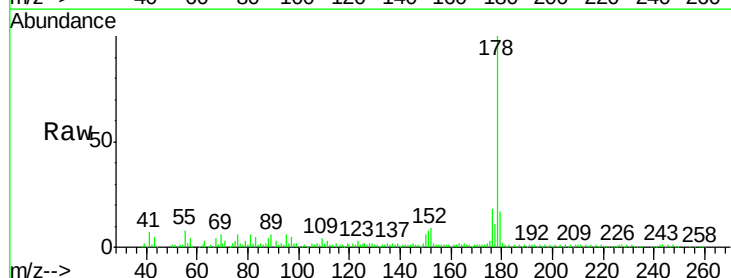
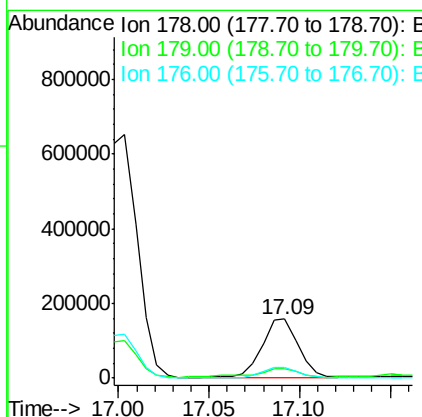
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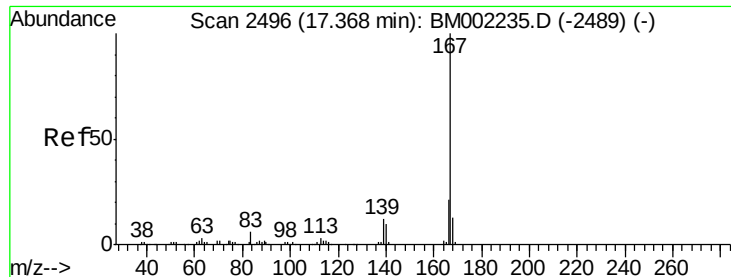
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#72
Anthracene
Concen: 6.84 ng/ul
RT: 17.09 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216829		
179	16.8		12.2	18.2
176	17.9		13.8	20.6





#75

Carbazole

Concen: 1.83 ng/ul

RT: 17.37 min Scan# 2496

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

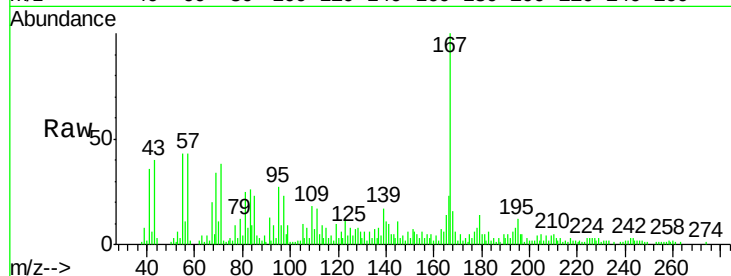
ClientSampleId :

C01Q6RE

Tot Ion:	167	Resp:	48476
Ion Ratio	Lower	Upper	
167	100		
166	22.7	16.7	25.1
139	17.4	9.4	14.2

Manual Integrations
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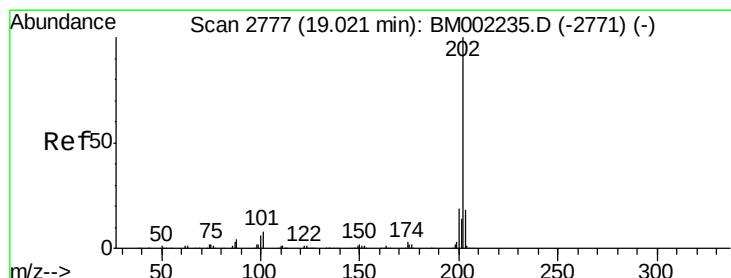
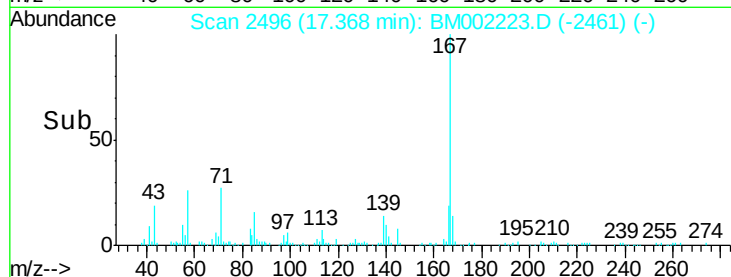


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time--> 17.30 17.35 17.40



#77

Fluoranthene

Concen: 46.37 ng/ul

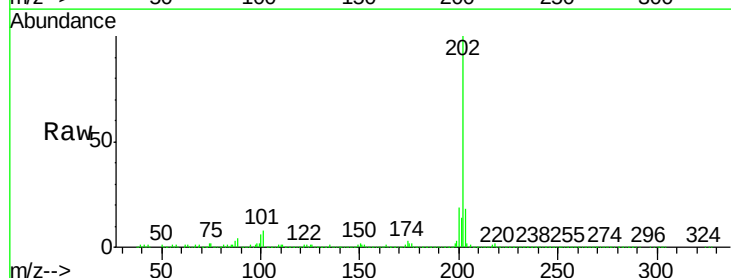
RT: 19.03 min Scan# 2779

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Tgt Ion:	202	Resp:	1574336
Ion Ratio	Lower	Upper	
202	100		
101	8.0	6.2	9.2
100	6.1	4.8	7.2

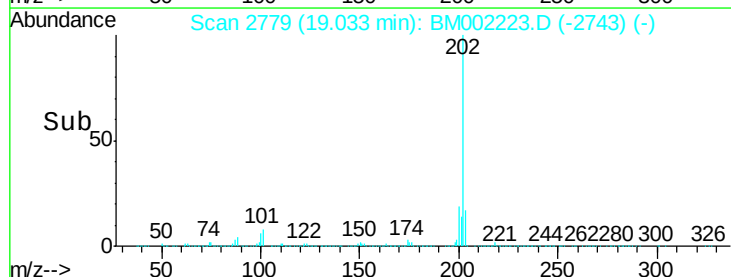


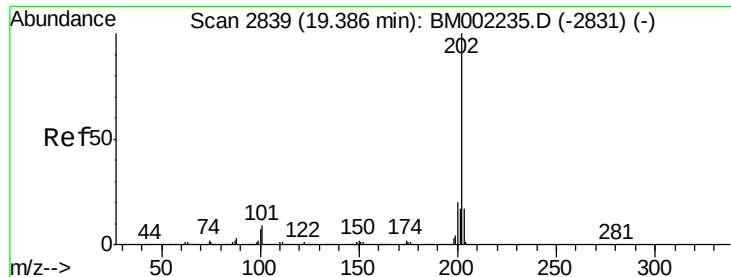
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 18.95 19.00 19.05





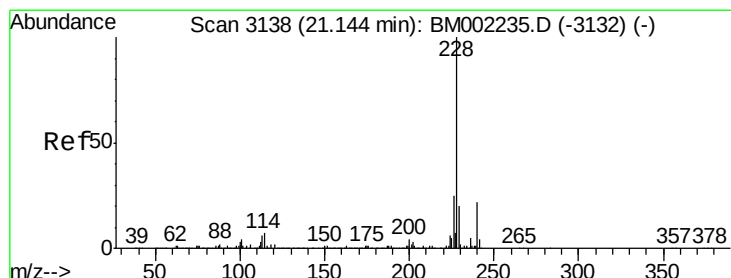
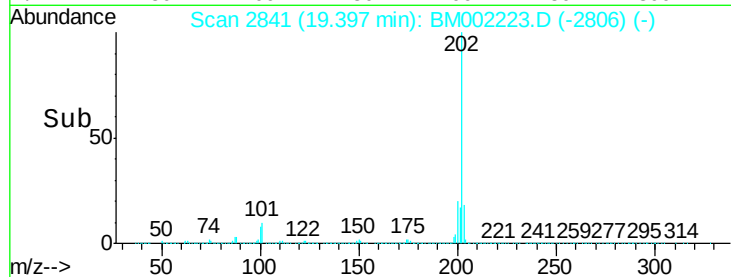
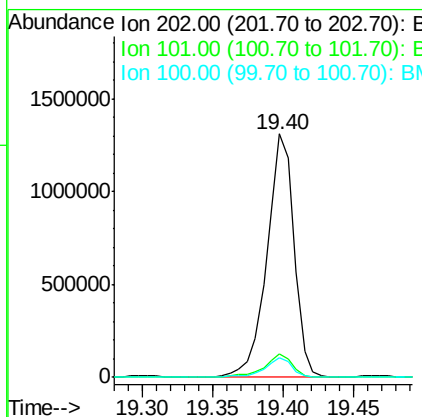
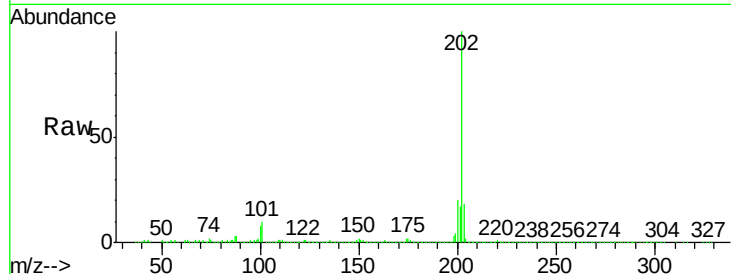
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 Pvrene
 Concen: 38.00 ng/ul
 RT: 19.40 min Scan# 2841
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		1764001		
101	9.5	7.0	10.6		
100	8.2	5.8	8.8		

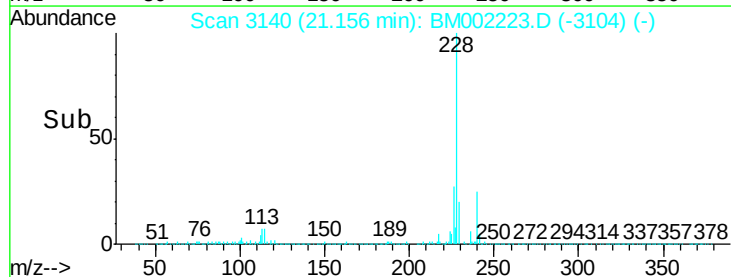
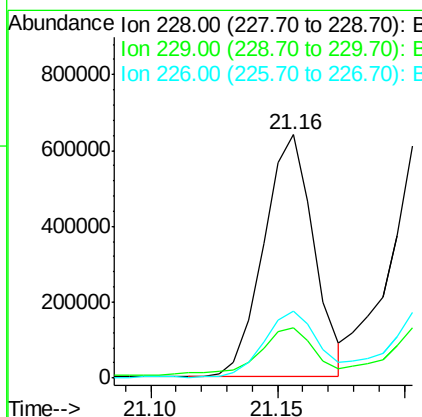
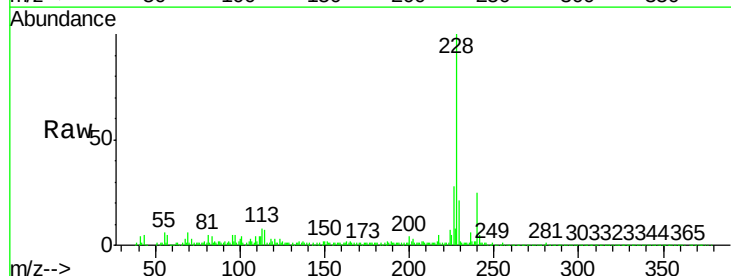
Manual Integrations
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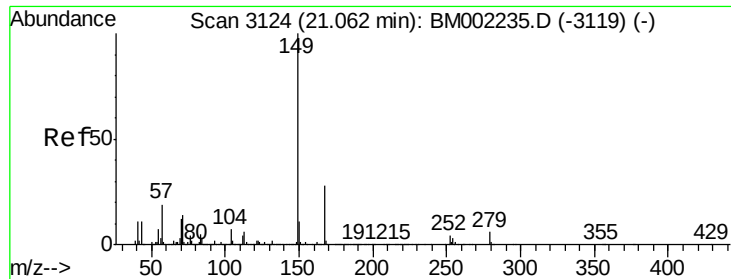
MMDadoda
 8/7/2015 4:42:52 PM



#83
 Benzo(a)anthracene
 Concen: 20.71 ng/ul
 RT: 21.16 min Scan# 3140
 Delta R.T. 0.01 min
 Lab File: BM002223.D
 Acq: 04 Aug 2015 23:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		876394		
229	20.6	15.9	23.9		
226	27.6	20.6	31.0		





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.29 ng/ul

RT: 21.07 min Scan# 3126

Delta R.T. 0.01 min

Lab File: BM002223.D

Acq: 04 Aug 2015 23:18

Instrument :

BNA_M

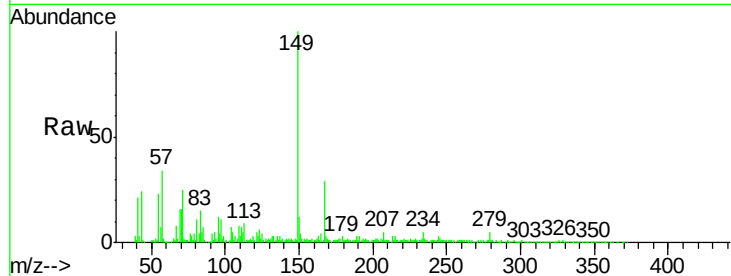
ClientSampleId :

C01Q6RE

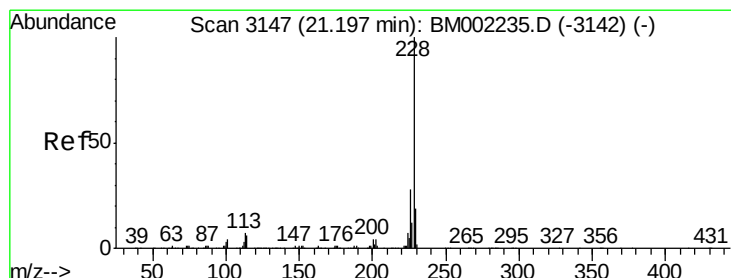
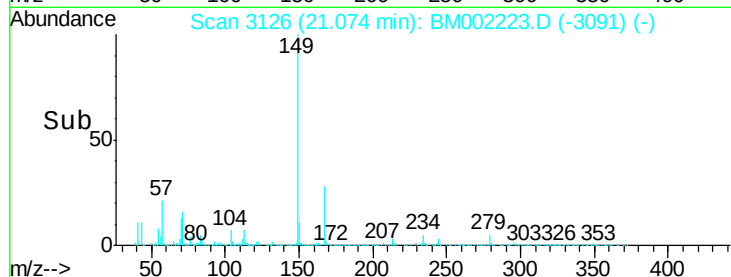
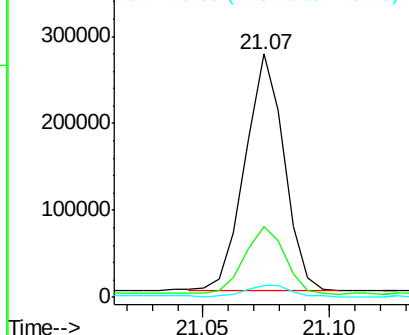
Tot Ion:	149	Resp:	292716
Ion Ratio		Lower	Upper
149	100		
167	28.9	23.0	34.4
279	5.0	4.0	6.0

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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: 22.76 ng/ul

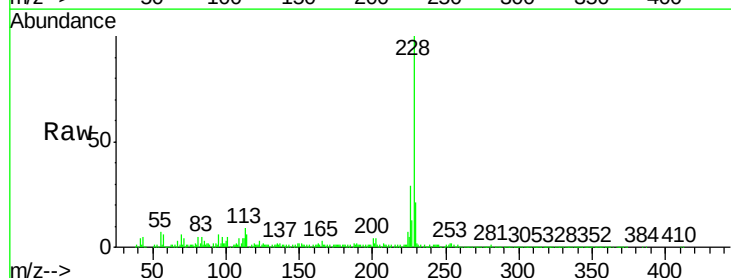
RT: 21.21 min Scan# 3149

Delta R.T. 0.01 min

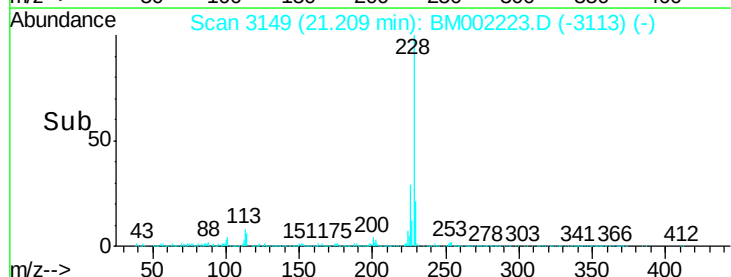
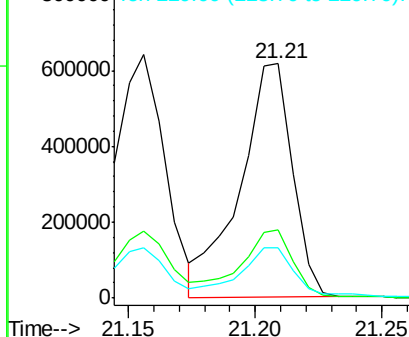
Lab File: BM002223.D

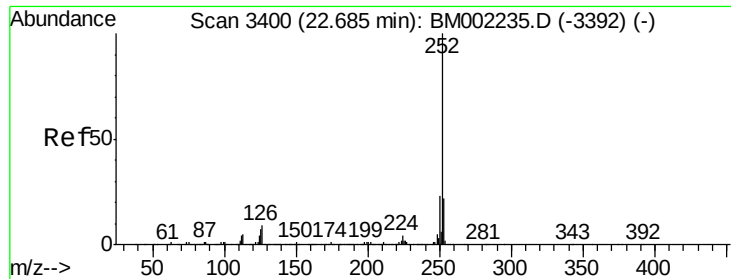
Acq: 04 Aug 2015 23:18

Tgt Ion:	228	Resp:	886694
Ion Ratio		Lower	Upper
228	100		
226	29.3	22.2	33.4
229	21.5	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





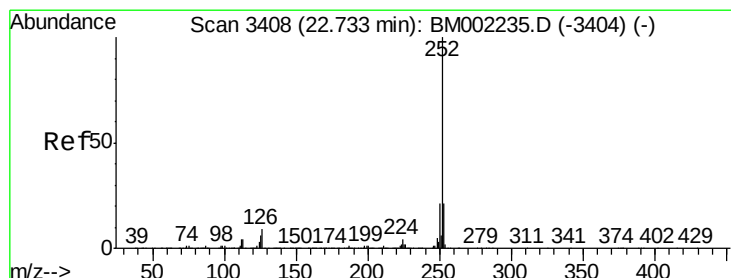
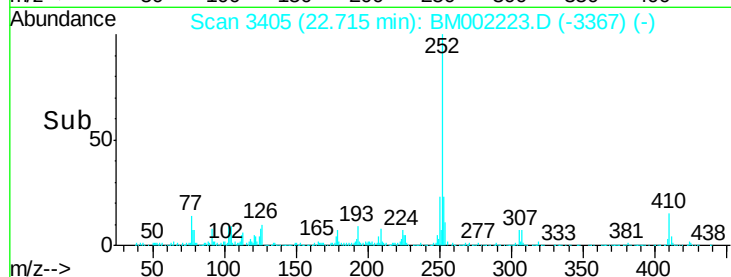
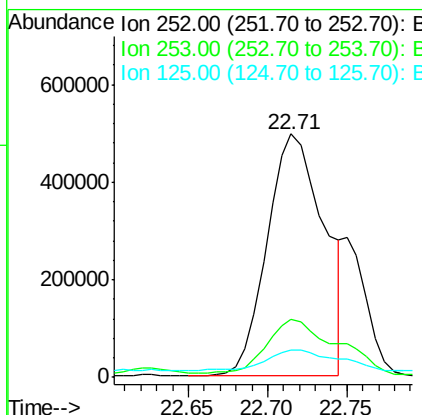
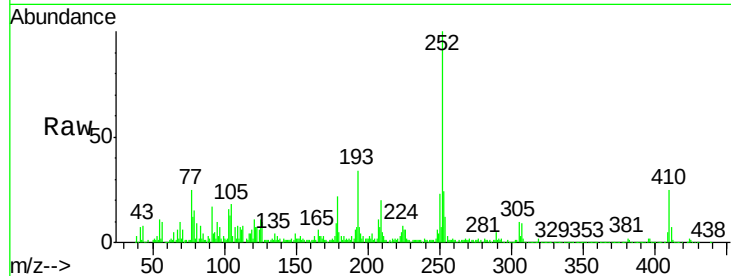
#88
Benzo(b)fluoranthene
Concen: 26.94 ng/ul
RT: 22.71 min Scan# 3405
Delta R.T. 0.02 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	11.1	5.4	8.2

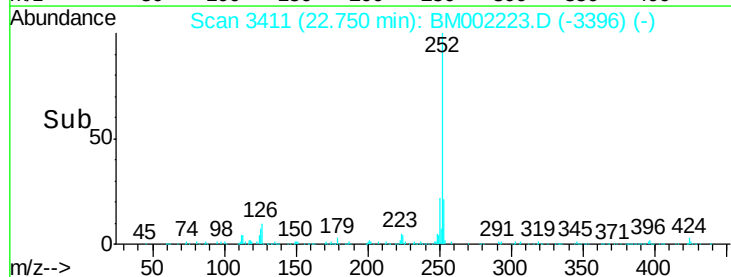
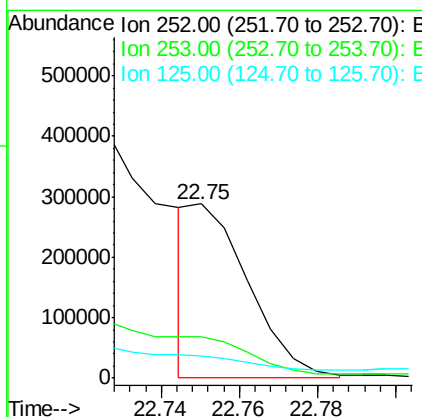
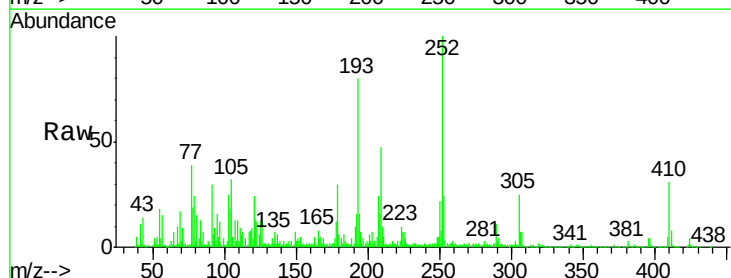
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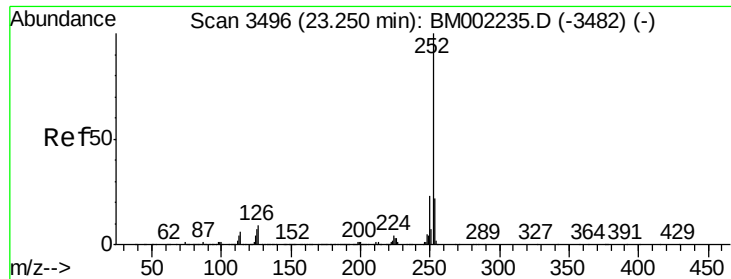
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#89
Benzo(k)fluoranthene
Concen: 6.57 ng/ul m
RT: 22.75 min Scan# 3411
Delta R.T. 0.02 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	12.9	5.6	8.4





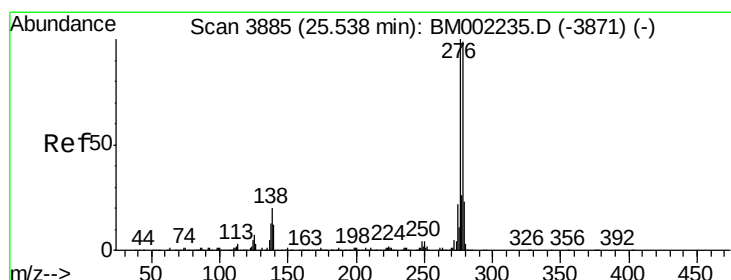
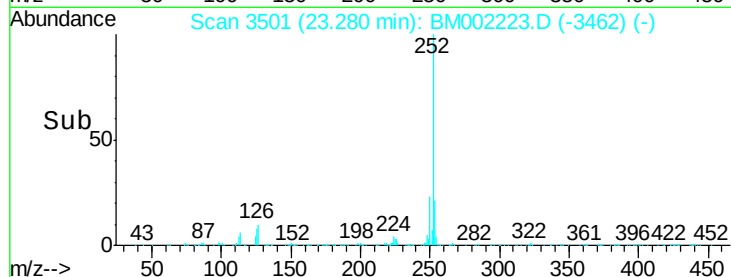
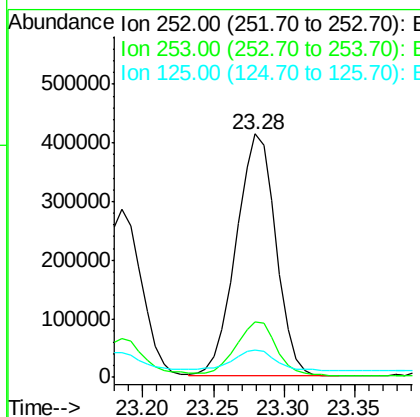
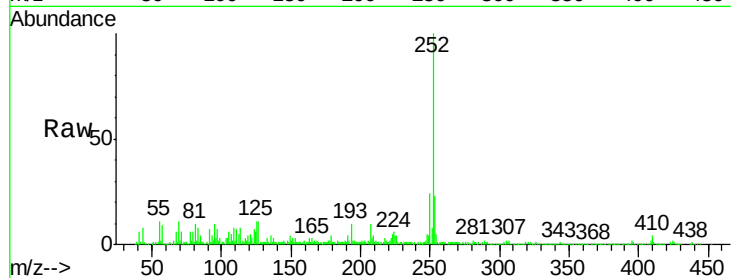
#91
Benzo(a)pyrene
Concen: 18.59 ng/ul
RT: 23.28 min Scan# 3501
Delta R.T. 0.03 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	11.0	6.1	9.1

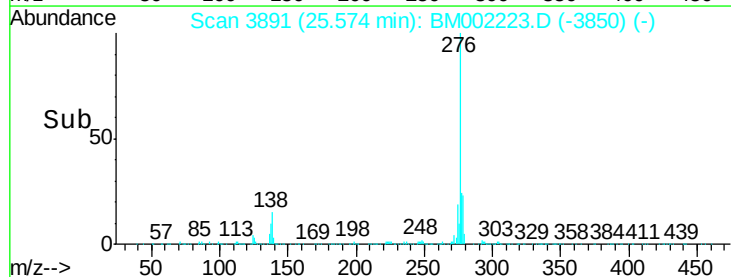
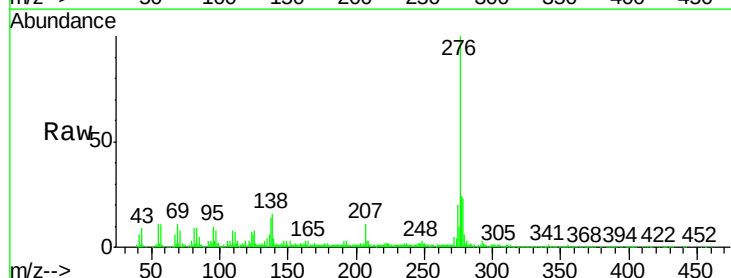
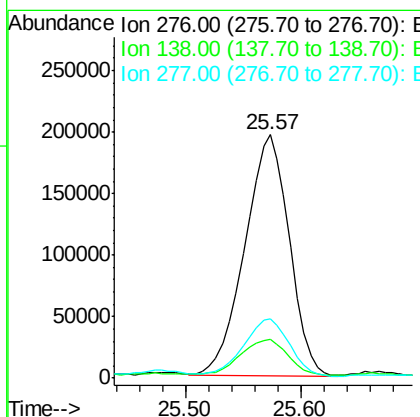
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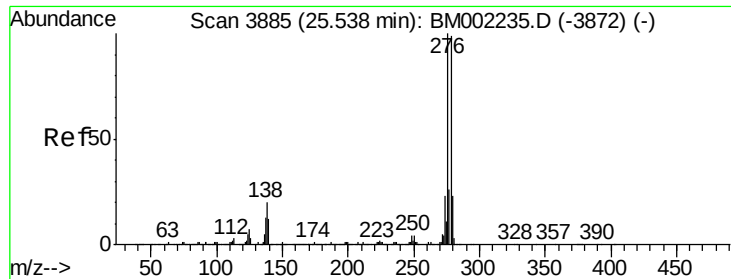
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#92
Indeno(1,2,3-cd)pyrene
Concen: 10.61 ng/ul
RT: 25.57 min Scan# 3891
Delta R.T. 0.04 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	15.4	23.0
277	24.2	20.2	30.2





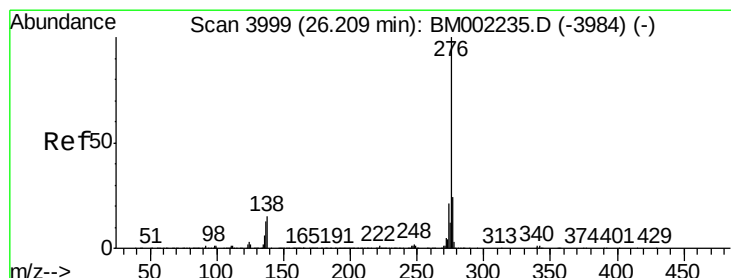
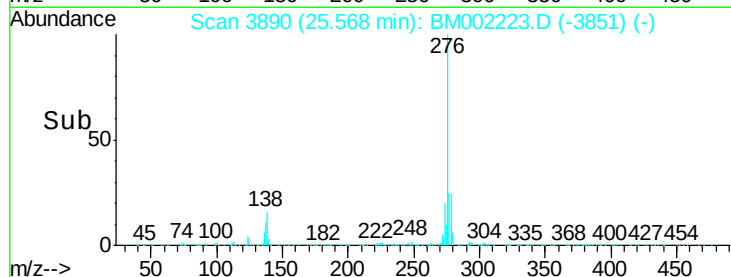
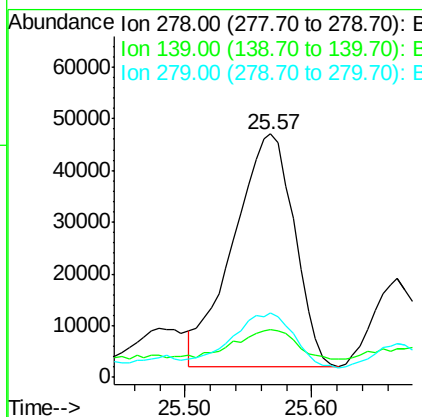
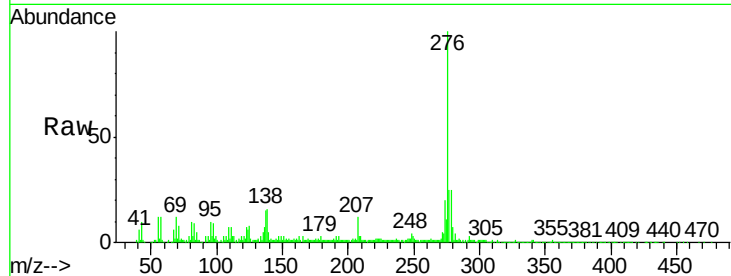
#93
Dibenzo(a,h)anthracene
Concen: 3.56 ng/ul
RT: 25.57 min Scan# 3890
Delta R.T. 0.03 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Instrument :
BNA_M
ClientSampleId :
C01Q6RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	10.4	15.6#
279	26.3	17.9	26.9

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#94
Benzo(g,h,i)perylene
Concen: 12.12 ng/ul
RT: 26.25 min Scan# 4006
Delta R.T. 0.05 min
Lab File: BM002223.D
Acq: 04 Aug 2015 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.5	18.7
277	24.9	19.4	29.0

