

Data Path : Z:\HPCHEM1\BNA_M\Data\BM080415\
 Data File : BM002229.D
 Acq On : 05 Aug 2015 02:56
 Operator : TP/UM
 Sample : G3095-12RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S3RE

Manual Integrations
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 8/7/2015 4:43:24 PM

Quant Time: Aug 14 03:50:18 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	127046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	500169	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.20	164	279793	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	591960m	20.00	ng/ul	0.02
78) Chrysene-d12	21.20	240	772178	20.00	ng/ul	0.04
86) Perylene-d12	23.40	264	749732	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.96	96	3215	1.44	ng/uL	0.00
5) Phenol-d5	6.72	99	96812	10.26	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	49005	9.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	83410	10.34	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	80964	10.33	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	39627	10.93	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	43997	10.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	85216	10.41	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	62126	6.86	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	233555	11.48	ng/ul	0.01
47) Acenaphthylene-d8	13.89	160	284487	11.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	27235	10.33	ng/ul	0.03
58) Fluorene-d10	15.20	176	196172	10.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	2796	0.82	ng/ul	0.04
71) Anthracene-d10	17.07	188	295115	11.20	ng/ul	0.02
79) Pyrene-d10	19.39	212	333674	9.03	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.26	264	382124	10.50	ng/ul	0.06

Target Compounds

					Qvalue
6) Phenol	6.75	94	11586	1.21 ng/ul	99
14) Acetophenone	8.35	105	14810m	1.19 ng/ul	
28) Naphthalene	10.37	128	2182205	92.24 ng/ul	99
34) 2-Methylnaphthalene	11.99	142	298093	16.37 ng/ul	100
41) 1,1'-Biphenyl	13.02	154	114774	5.34 ng/ul	99
45) Dimethylphthalate	13.66	163	80467	3.97 ng/ul	99
48) Acenaphthylene	13.92	152	117824	4.49 ng/ul	99
50) Acenaphthene	14.28	153	1739608	101.52 ng/ul	99
54) Dibenzofuran	14.61	168	862496	34.73 ng/ul	100
59) Fluorene	15.26	166	1152825	56.46 ng/ul	100
70) Phenanthrene	17.04	178	11189316	368.13 ng/ul	95
72) Anthracene	17.12	178	2740839	88.22 ng/ul	99
75) Carbazole	17.38	167	1409496	54.44 ng/ul	99
77) Fluoranthene	19.07	202	15019999m	451.52 ng/ul	
80) Pyrene	19.44	202	13185234	277.81 ng/ul#	87
83) Benzo(a)anthracene	21.18	228	8007300	185.10 ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.08	149	30567	1.26 ng/ul#	93
85) Chrysene	21.24	228	7232094m	181.58 ng/ul	
88) Benzo(b)fluoranthene	22.76	252	10853717	256.93 ng/ul#	95
89) Benzo(k)fluoranthene	22.79	252	2377230m	58.11 ng/ul	
91) Benzo(a)pyrene	23.33	252	7418185	183.87 ng/ul#	95
92) Indeno(1,2,3-cd)pyrene	25.67	276	4893595	107.64 ng/ul	97
93) Dibenzo(a,h)anthracene	25.64	278	1489796	38.43 ng/ul#	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	26.36	276	4398738	116.18	ng/ul	94

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

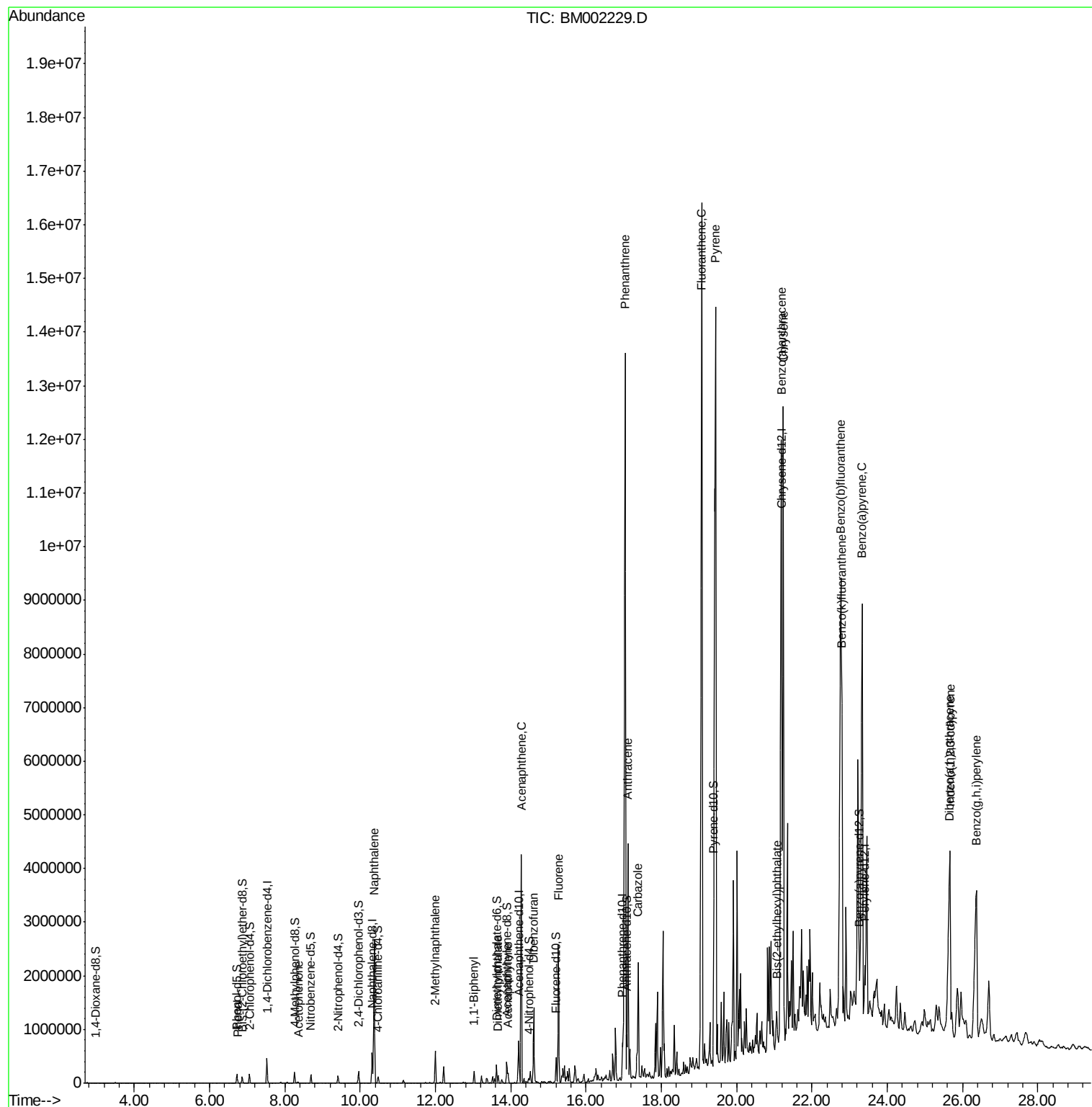
Data Path : Z:\HPCHEM1\BNA_M\Data\BM080415\
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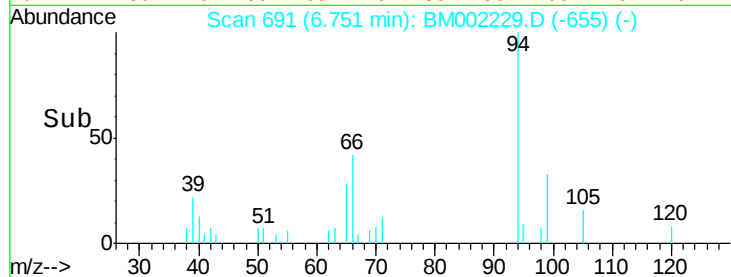
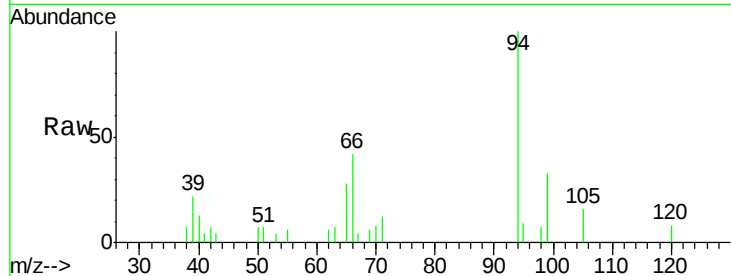
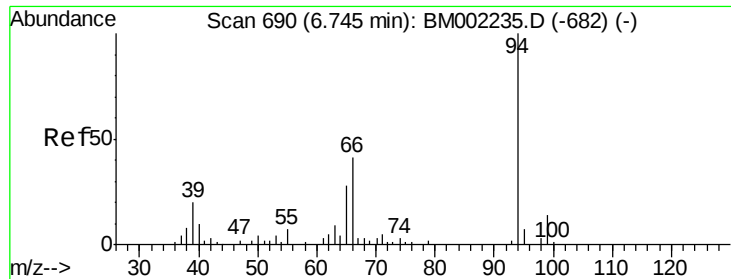
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#6

Phenol

Concen: 1.21 ng/ul

RT: 6.75 min Scan# 691

Delta R.T. 0.01 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

Tgt Ion:	94	Resp:	11586
Ion	Ratio	Lower	Upper
94	100		
65	28.2	23.4	35.0
66	41.9	33.2	49.8

Instrument :

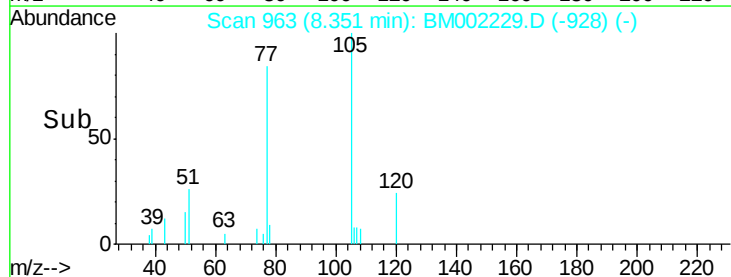
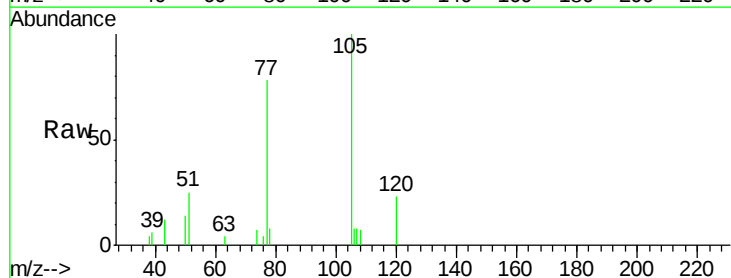
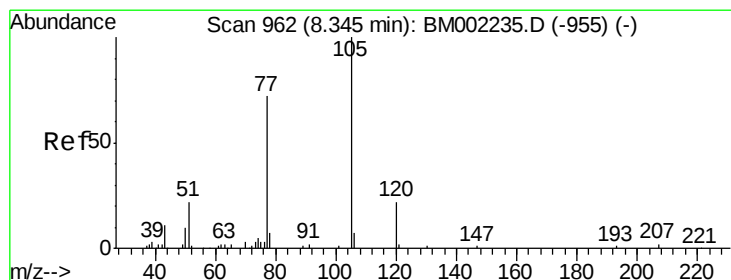
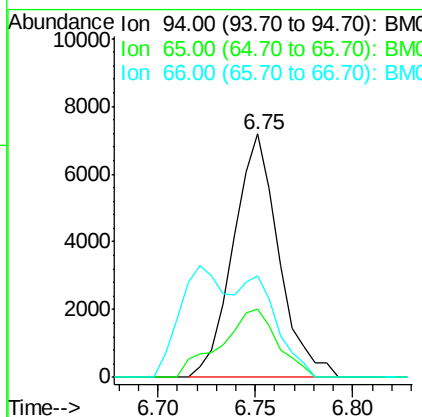
BNA_M

ClientSampleId :

C01S3RE

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#14

Acetophenone

Concen: 1.19 ng/ul m

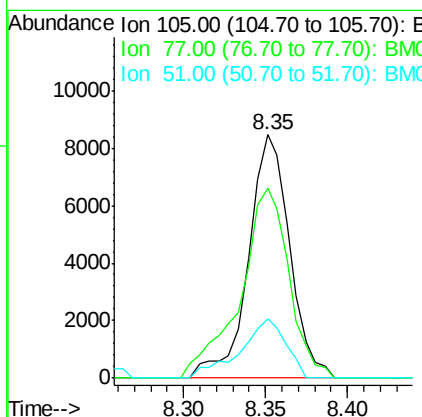
RT: 8.35 min Scan# 963

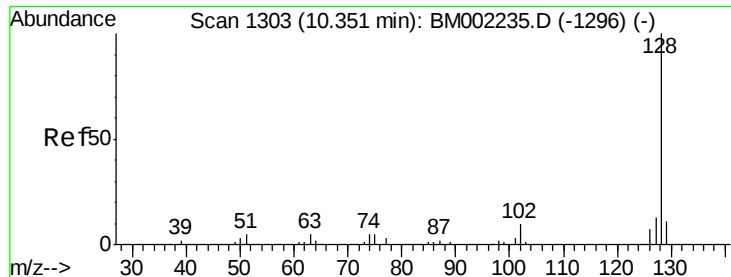
Delta R.T. 0.01 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

Tgt Ion:	105	Resp:	14810
Ion	Ratio	Lower	Upper
105	100		
77	78.0	60.1	90.1
51	24.6	17.8	26.8





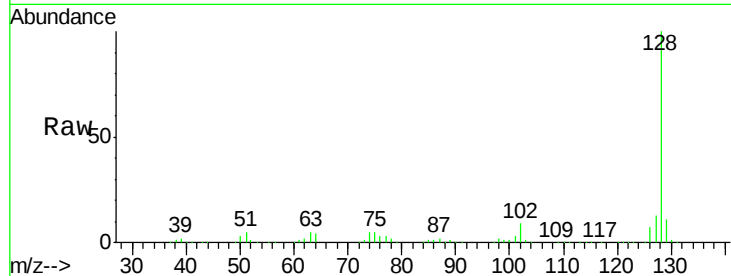
#28
Naphthalene
Concen: 92.24 ng/ul
RT: 10.37 min Scan# 1307
Delta R.T. 0.02 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Instrument :
BNA_M
ClientSampleId :
C01S3RE

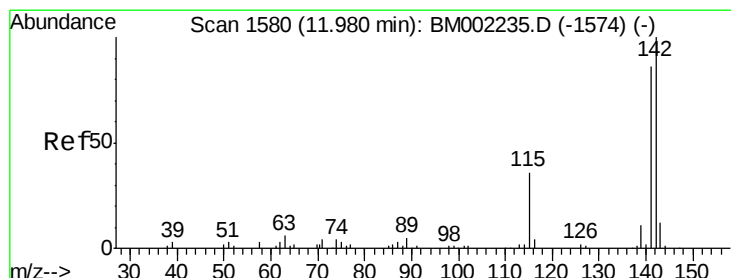
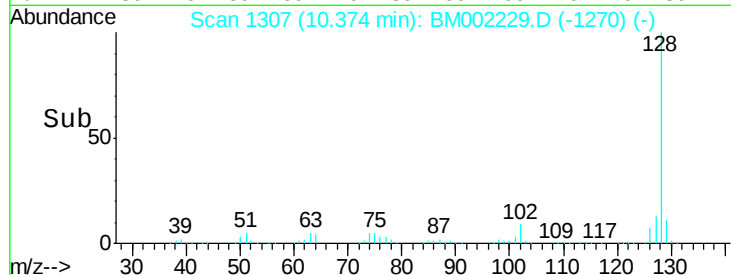
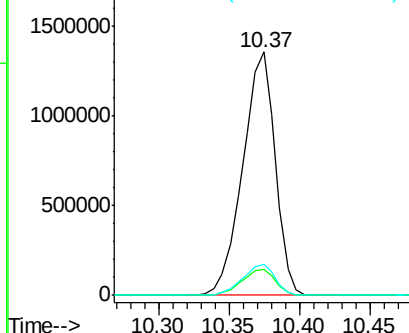
Tgt Ion:128 Resp: 2182205
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.2
127 12.8 10.1 15.1

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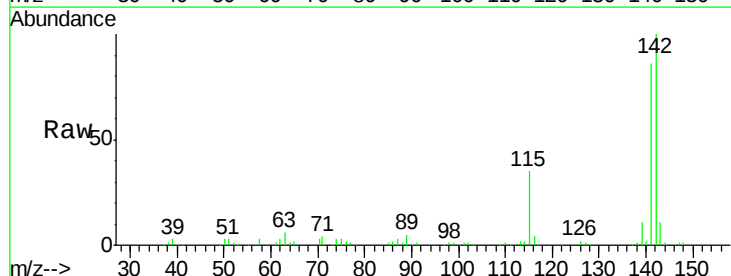


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

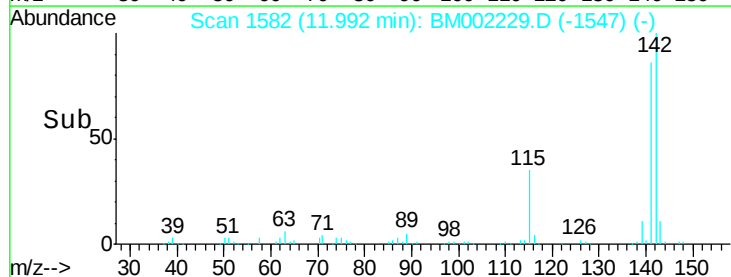
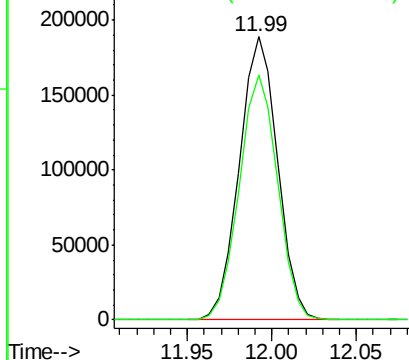


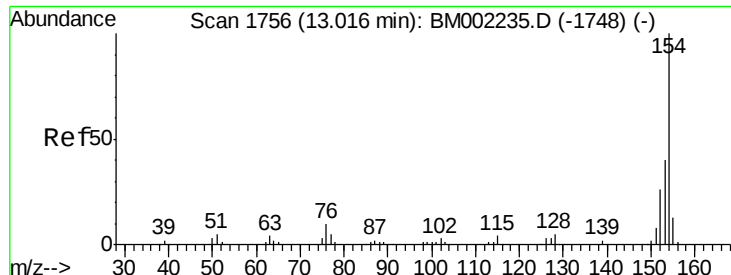
#34
2-Methylnaphthalene
Concen: 16.37 ng/ul
RT: 11.99 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Tgt Ion:142 Resp: 298093
Ion Ratio Lower Upper
142 100
141 86.4 68.9 103.3



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





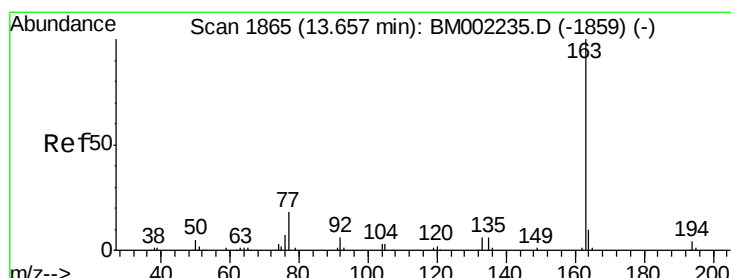
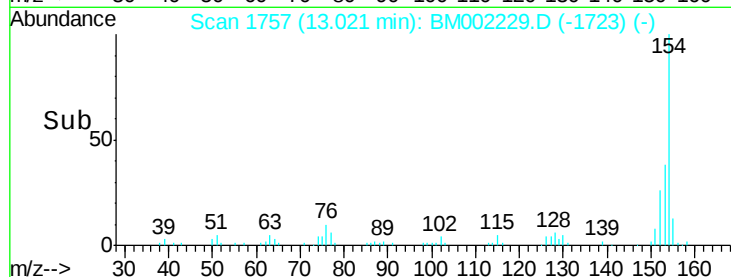
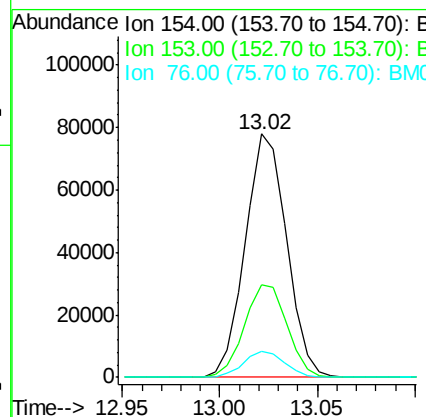
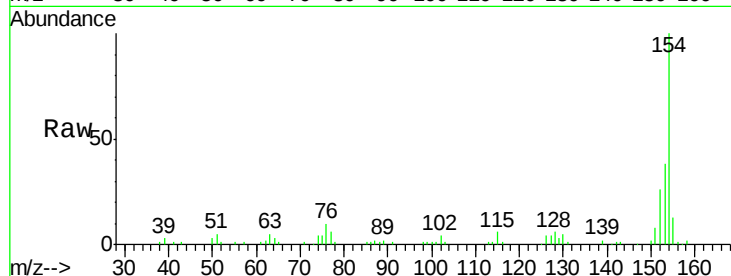
#41
 1,1'-Biphenyl
 Concen: 5.34 ng/ul
 RT: 13.02 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Instrument :
 BNA_M
 ClientSampled :
 C01S3RE

Tgt Ion:	154	Resp:	114774
Ion Ratio	Lower	Upper	
154	100		
153	38.0	31.0	46.6
76	10.5	8.0	12.0

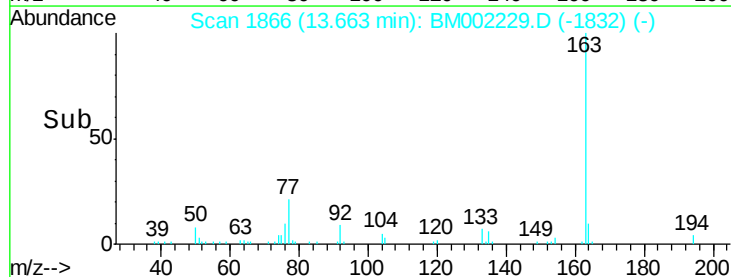
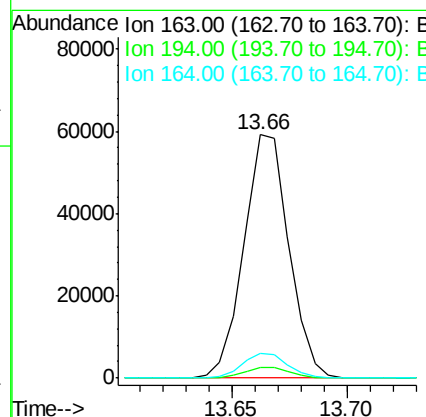
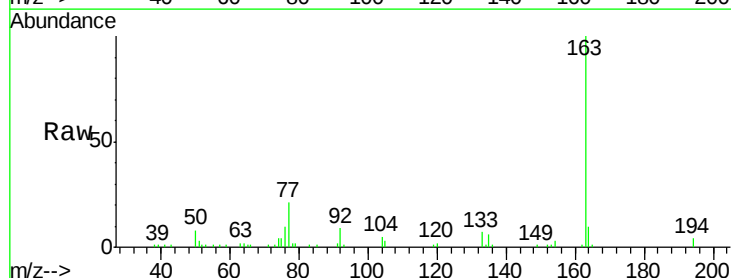
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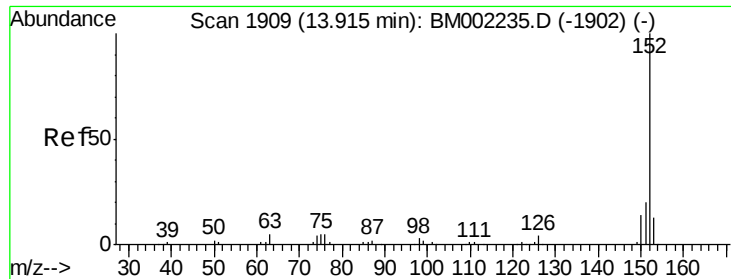
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#45
 Dimethylphthalate
 Concen: 3.97 ng/ul
 RT: 13.66 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

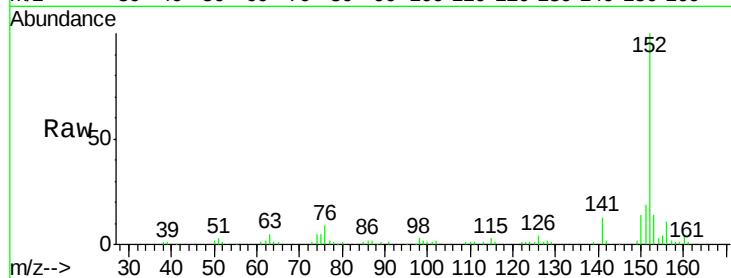
Tgt Ion:	163	Resp:	80467
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.4	5.2
164	10.2	7.9	11.9





#48
Acenaphthylene
Concen: 4.49 ng/ul
RT: 13.92 min Scan# 1910
Delta R.T. 0.01 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

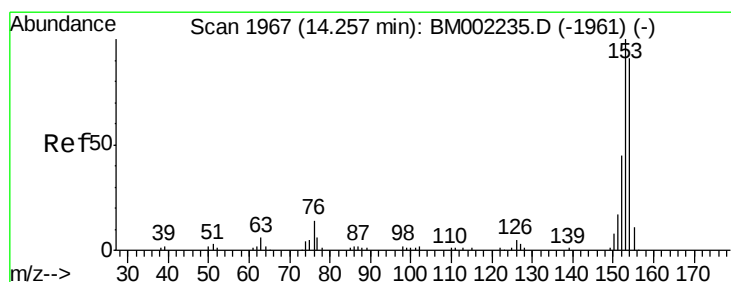
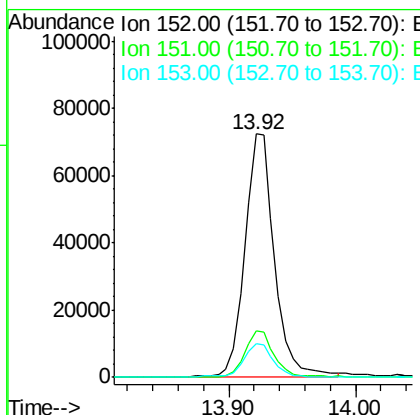
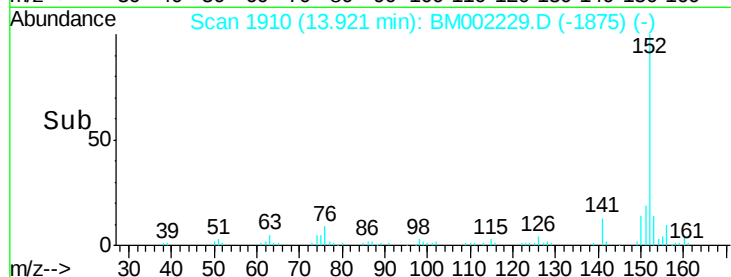
Instrument :
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8
153	13.6	10.3	15.5

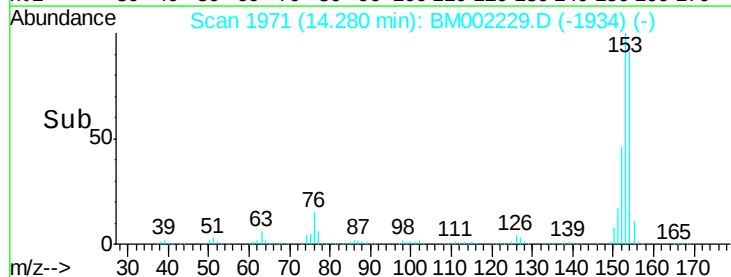
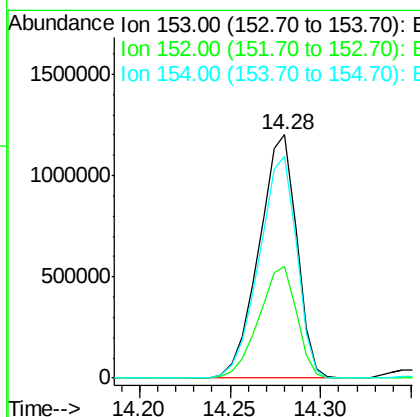
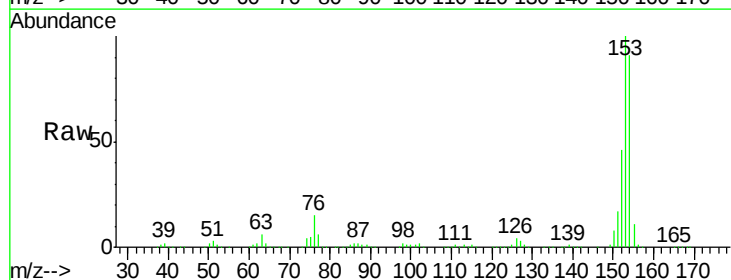
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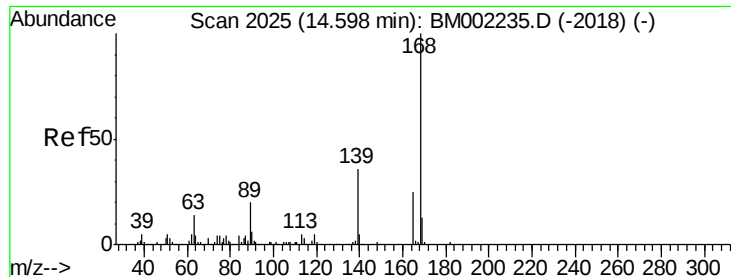
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#50
Acenaphthene
Concen: 101.52 ng/ul
RT: 14.28 min Scan# 1971
Delta R.T. 0.02 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.9	36.6	54.8
154	91.1	71.7	107.5





#54

Dibenzenofuran

Concen: 34.73 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

Instrument :

BNA_M

ClientSampleId :

C01S3RE

Tgt Ion:168 Resp: 862496

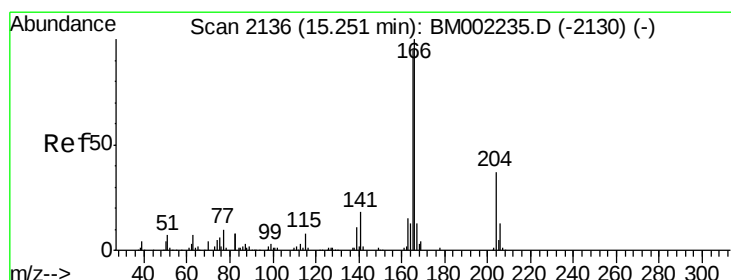
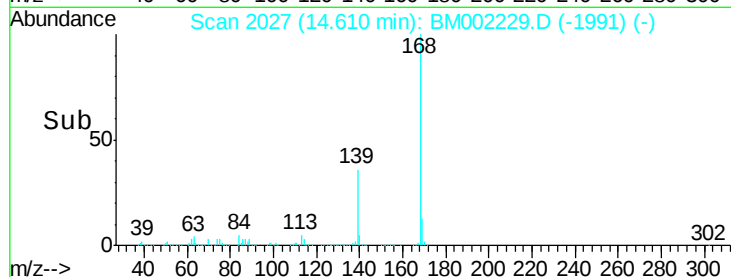
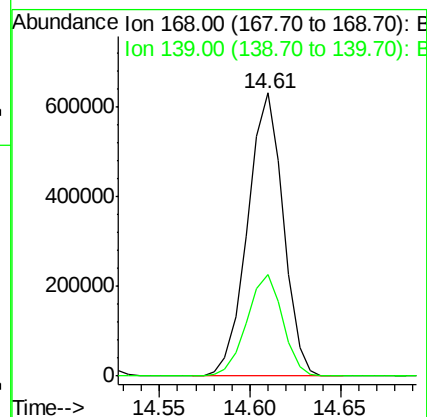
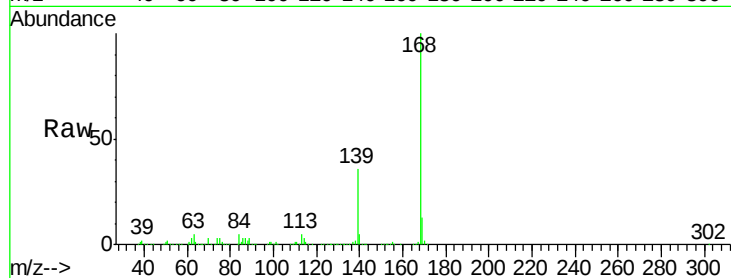
Ion Ratio Lower Upper

168 100

139 35.8 28.6 42.8

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#59

Fluorene

Concen: 56.46 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

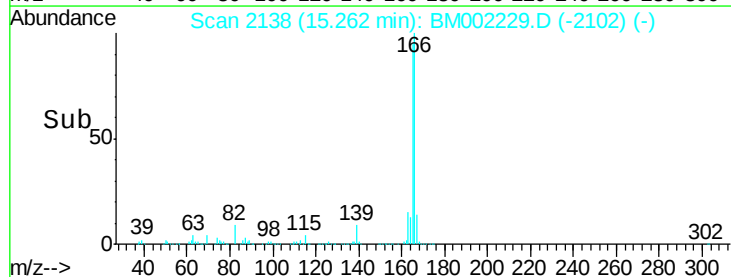
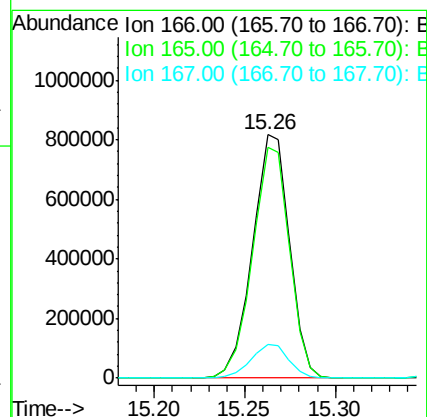
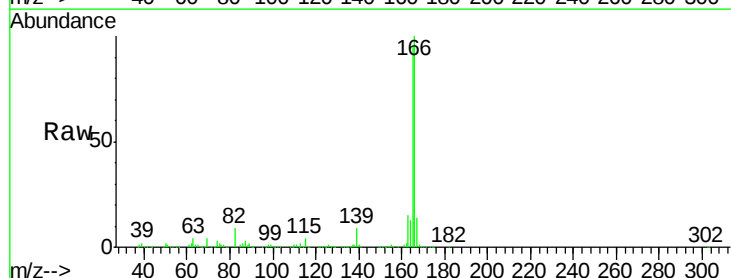
Tgt Ion:166 Resp: 1152825

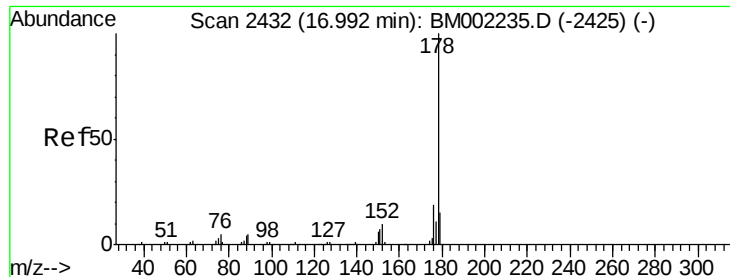
Ion Ratio Lower Upper

166 100

165 95.0 76.0 114.0

167 13.8 10.5 15.7





#70

Phenanthrene

Concen: 368.13 ng/ul

RT: 17.04 min Scan# 2440

Delta R.T. 0.04 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

Instrument :

BNA_M

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C01S3RE

Tgt Ion:178 Resp:11189316

Ion Ratio Lower Upper

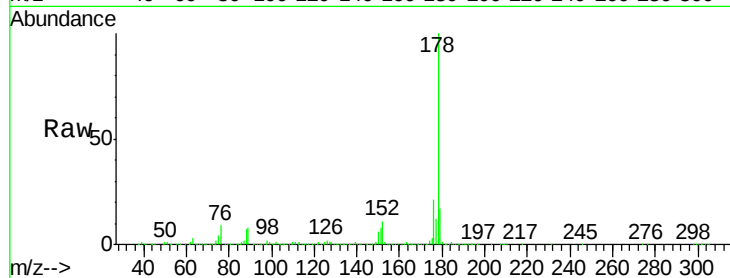
178 100

179 17.3 12.2 18.4

176 20.7 14.6 21.8

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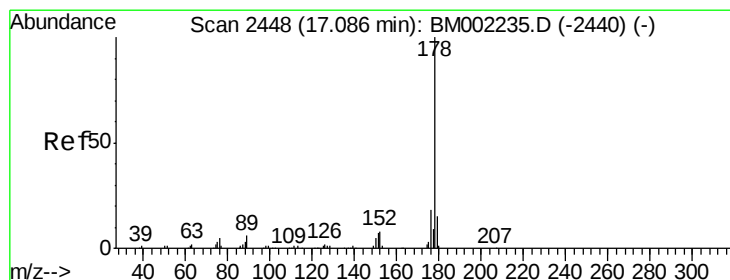
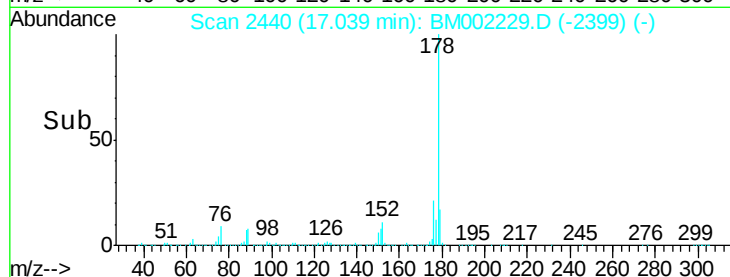
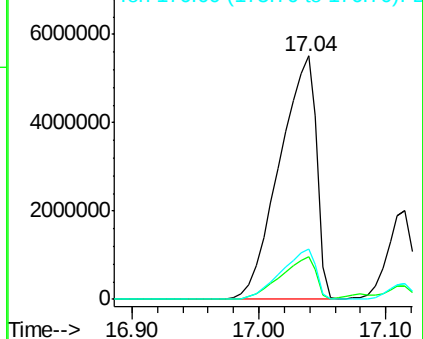
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 88.22 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. 0.03 min

Lab File: BM002229.D

Acq: 05 Aug 2015 02:56

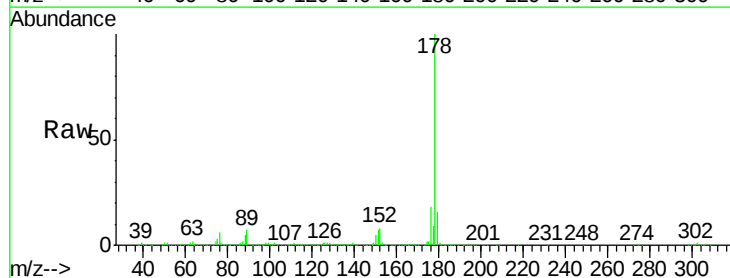
Tgt Ion:178 Resp: 2740839

Ion Ratio Lower Upper

178 100

179 15.5 12.2 18.2

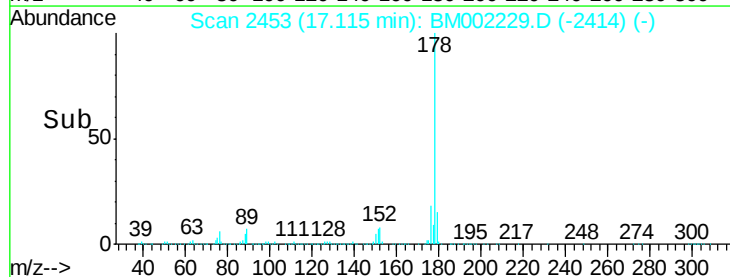
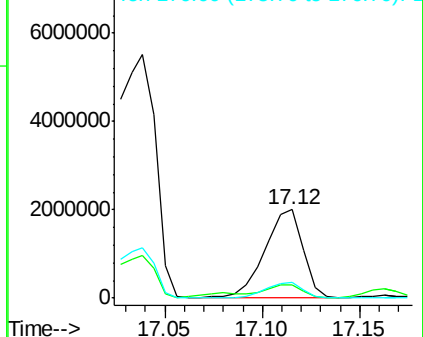
176 17.6 13.8 20.6

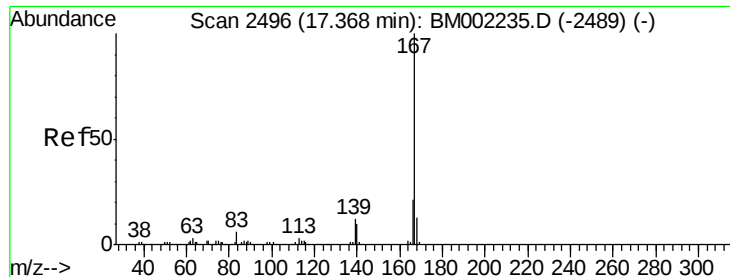


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





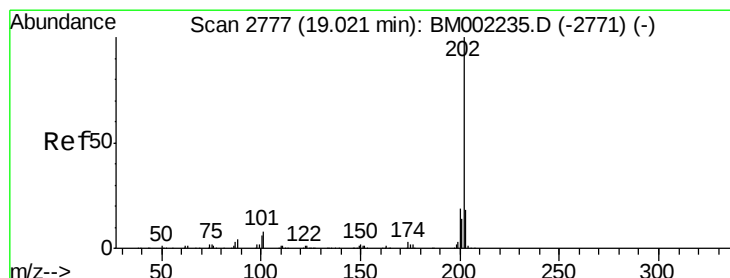
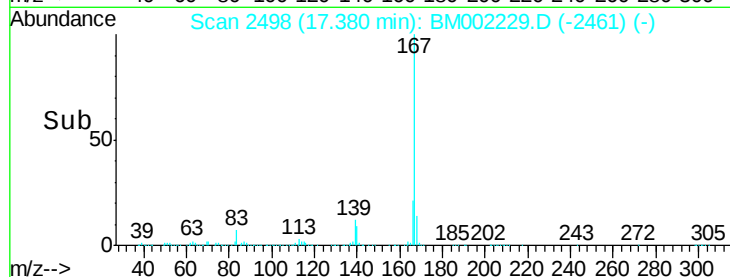
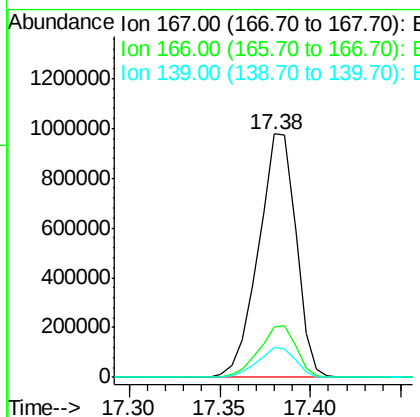
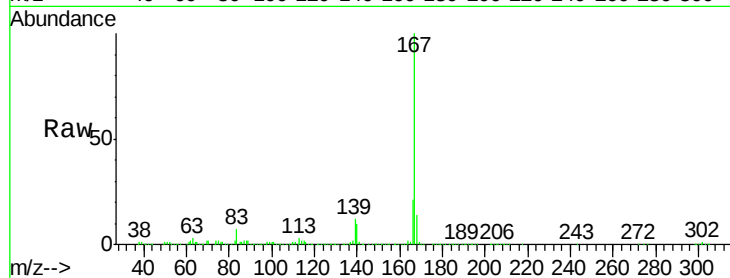
#75
 Carbazole
 Concen: 54.44 ng/ul
 RT: 17.38 min Scan# 2498
 Delta R.T. 0.02 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Instrument :
 BNA_M
 ClientSampleId :
 C01S3RE

Tgt Ion:167 Resp: 1409496
 Ion Ratio Lower Upper
 167 100
 166 20.6 16.7 25.1
 139 12.2 9.4 14.2

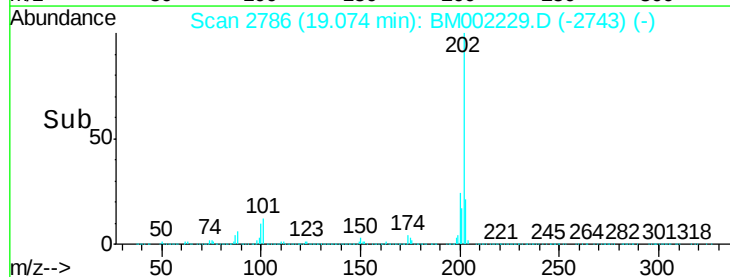
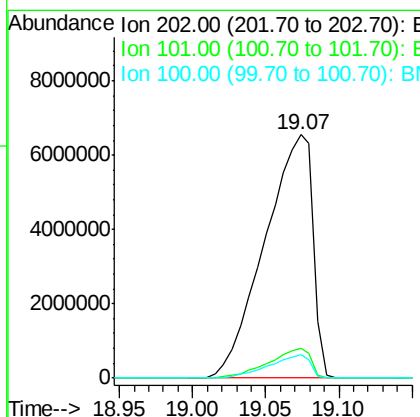
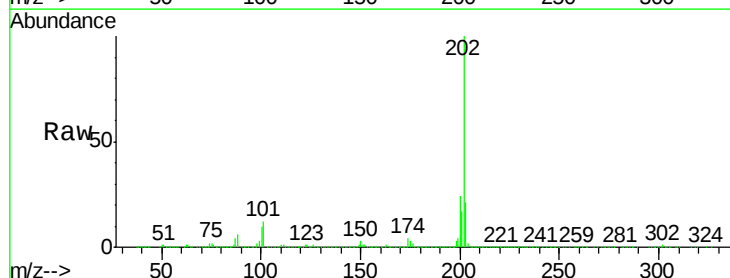
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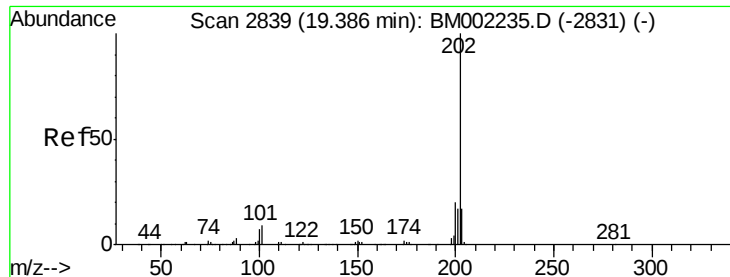
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#77
 Fluoranthene
 Concen: 451.52 ng/ul m
 RT: 19.07 min Scan# 2786
 Delta R.T. 0.05 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Tgt Ion:202 Resp:15019999
 Ion Ratio Lower Upper
 202 100
 101 12.5 6.2 9.2#
 100 9.8 4.8 7.2#





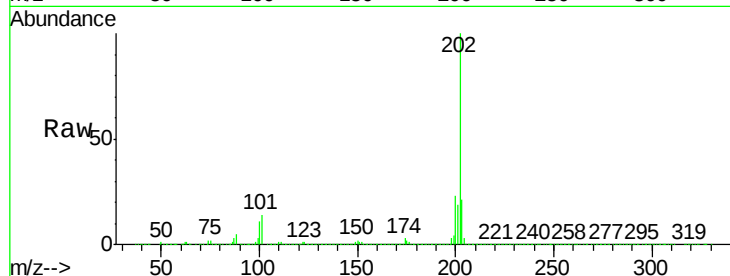
#80
 Pyrene
 Concen: 277.81 ng/ul
 RT: 19.44 min Scan# 2848
 Delta R.T. 0.05 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Instrument :
 BNA_M
 ClientSampleId :
 C01S3RE

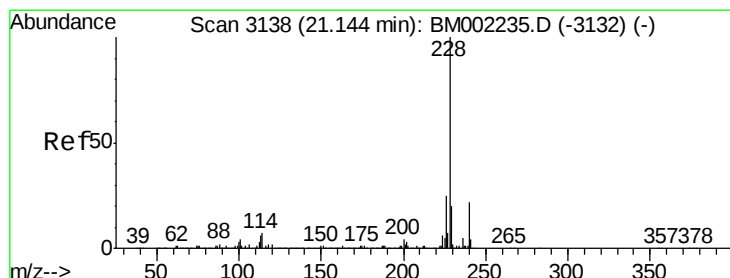
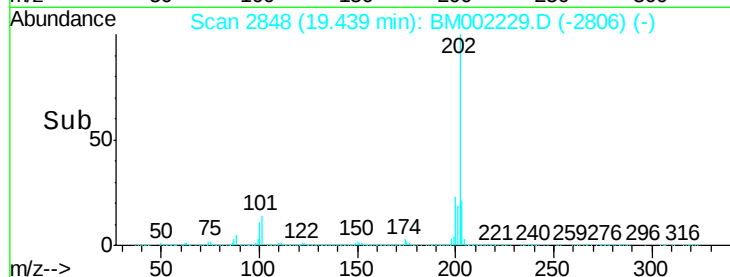
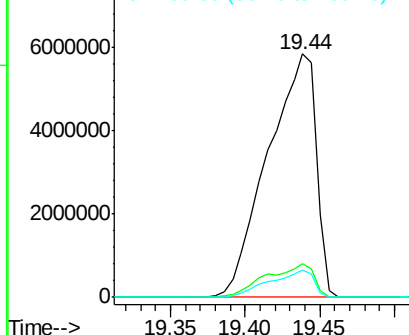
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	7.0	10.6#
100	11.3	5.8	8.8#

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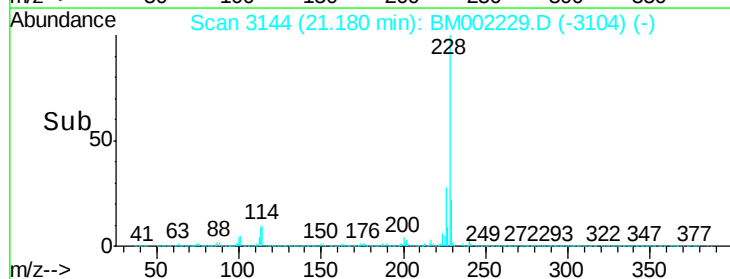
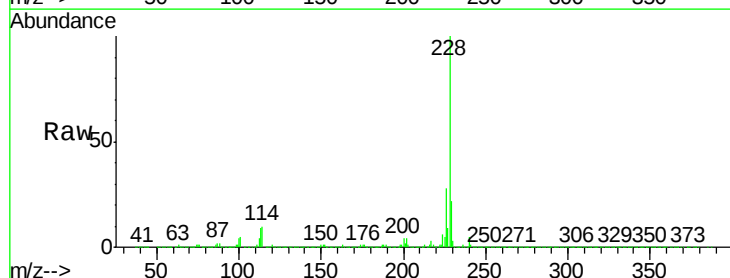
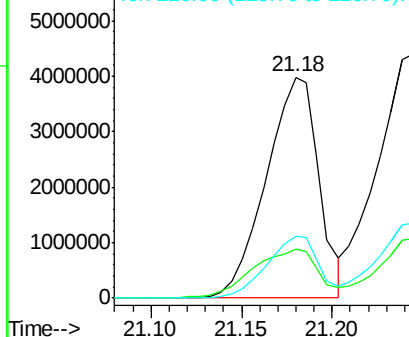
Abundance Ion 202.00 (201.70 to 202.70): E
 8000000
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

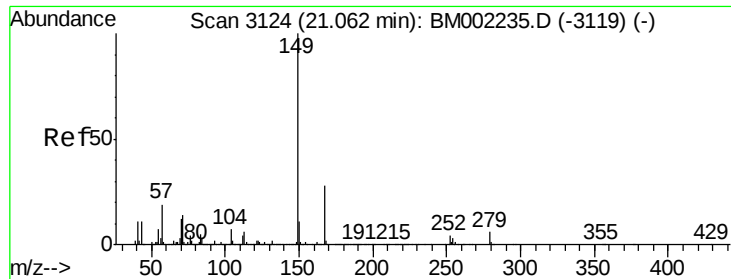


#83
 Benzo(a)anthracene
 Concen: 185.10 ng/ul
 RT: 21.18 min Scan# 3144
 Delta R.T. 0.04 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.9	23.9
226	28.3	20.6	31.0

Abundance Ion 228.00 (227.70 to 228.70): E
 6000000
 Ion 229.00 (228.70 to 229.70): E
 Ion 226.00 (225.70 to 226.70): E





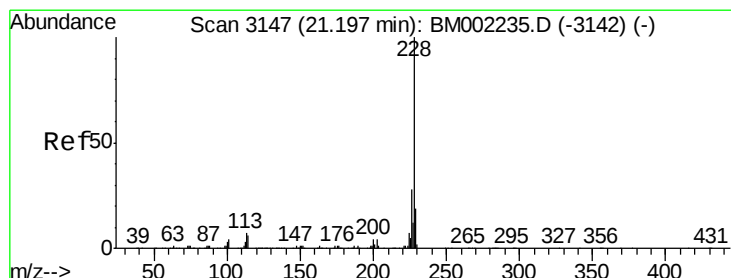
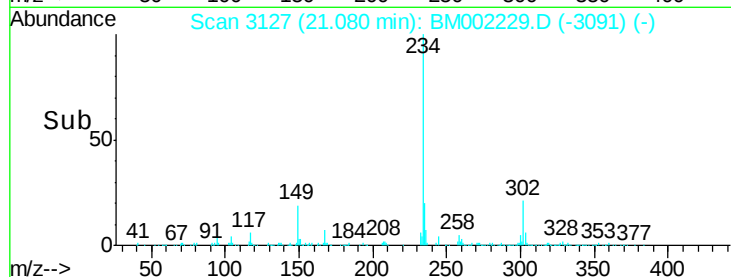
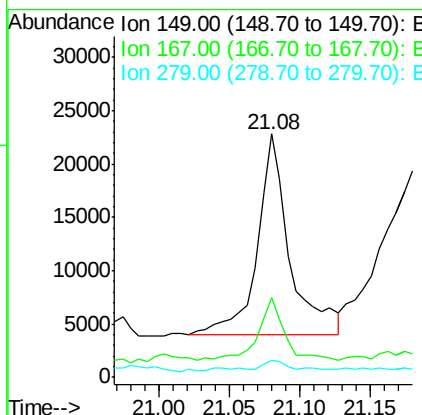
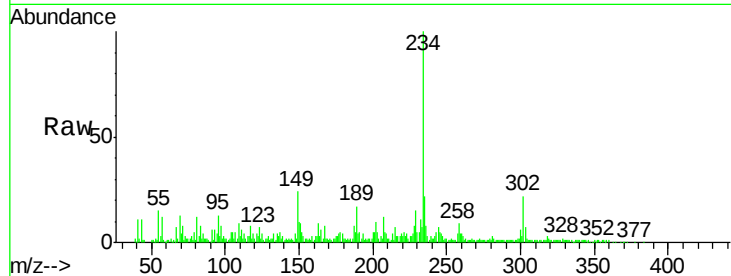
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.26 ng/ul
 RT: 21.08 min Scan# 3127
 Delta R.T. 0.01 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Instrument :
 BNA_M
 ClientSampleId :
 C01S3RE

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	30567		
167	32.6	23.0	34.4	
279	7.2	4.0	6.0	

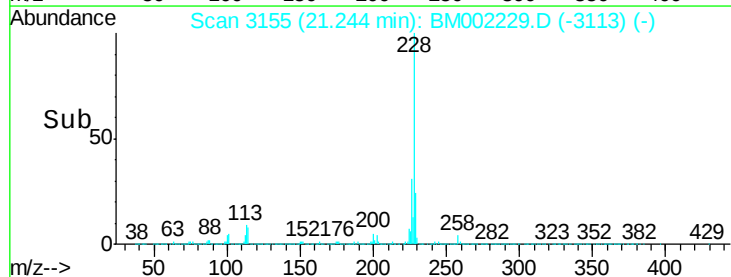
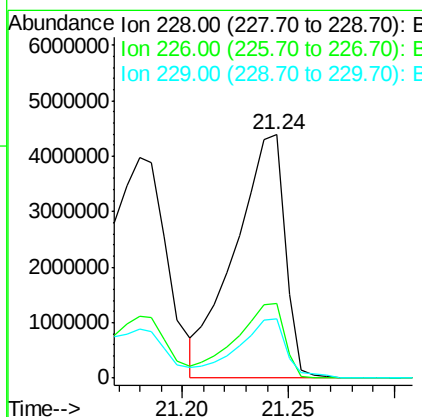
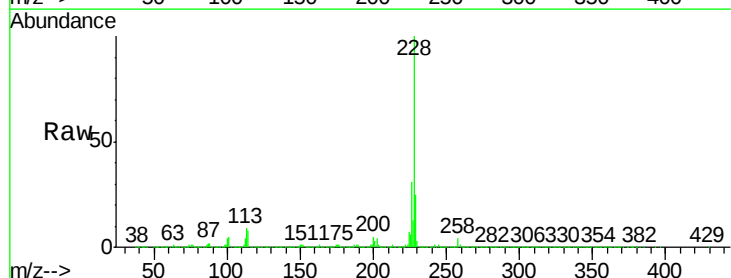
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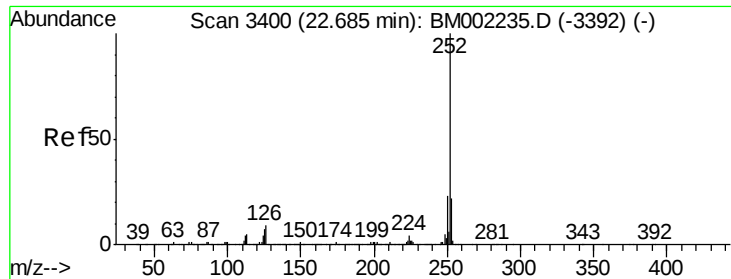
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#85
 Chrysene
 Concen: 181.58 ng/ul m
 RT: 21.24 min Scan# 3155
 Delta R.T. 0.05 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	7232094		
226	30.8	22.2	33.4	
229	24.5	15.5	23.3	





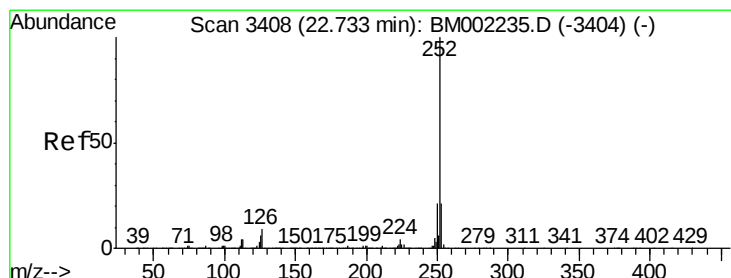
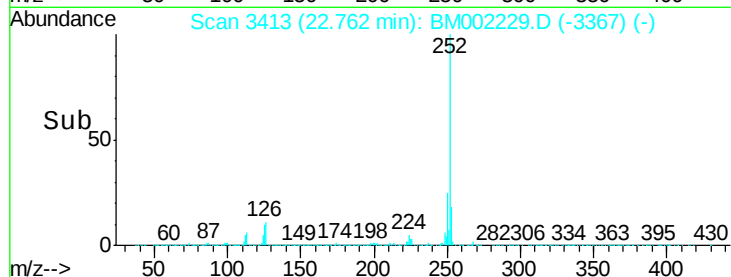
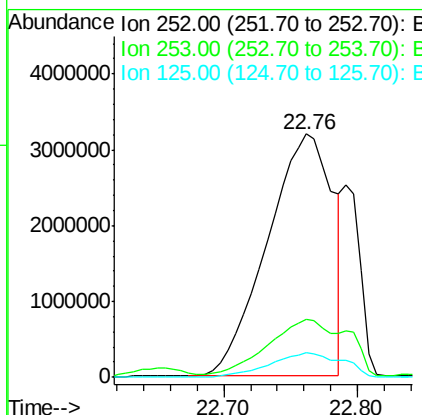
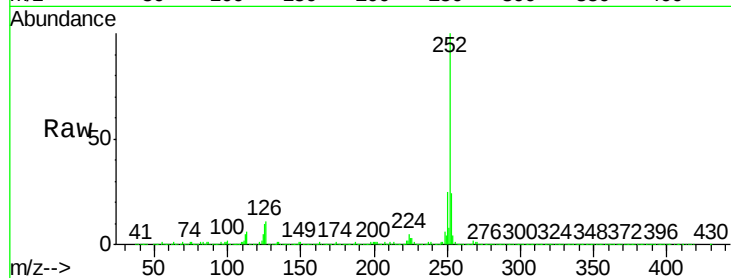
#88
Benzo(b)fluoranthene
Concen: 256.93 ng/ul
RT: 22.76 min Scan# 3413
Delta R.T. 0.07 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Instrument :
BNA_M
ClientSampleId :
C01S3RE

Tgt Ion:252 Resp:10853717
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 9.9 5.4 8.2#

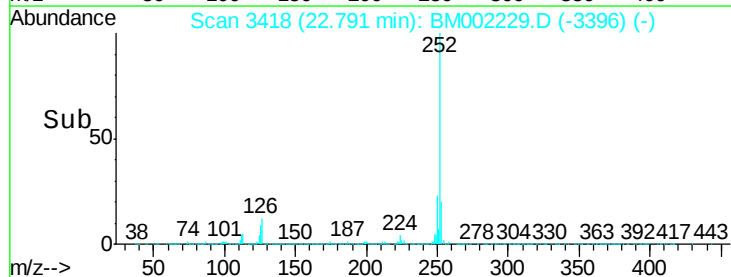
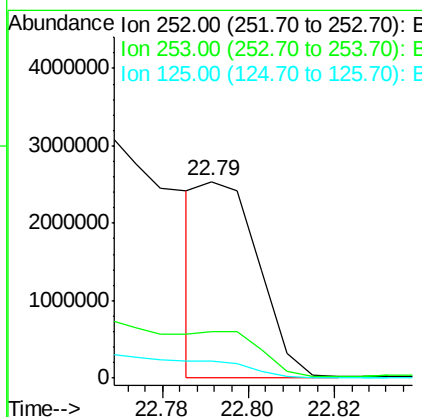
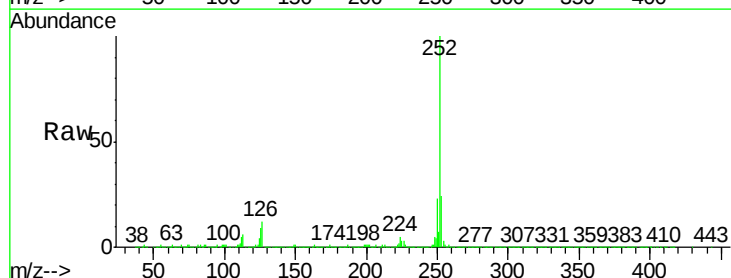
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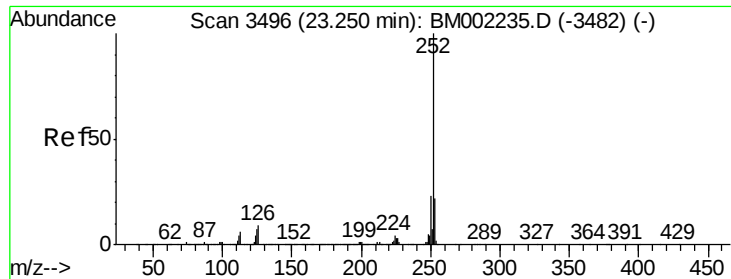
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#89
Benzo(k)fluoranthene
Concen: 58.11 ng/ul m
RT: 22.79 min Scan# 3418
Delta R.T. 0.06 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Tgt Ion:252 Resp: 2377230
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 8.8 5.6 8.4#





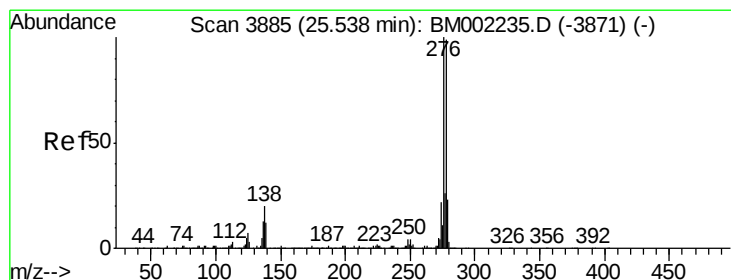
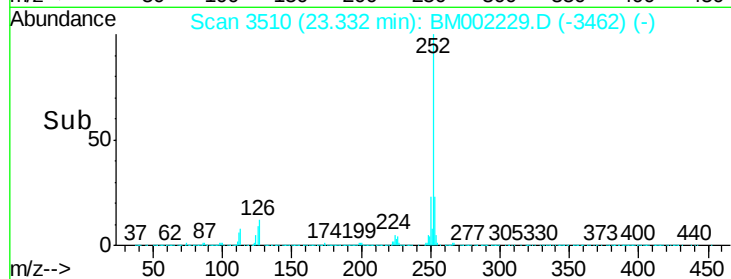
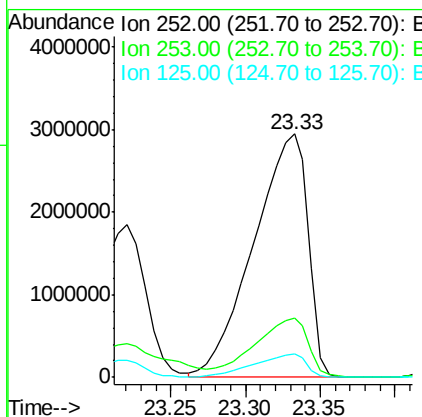
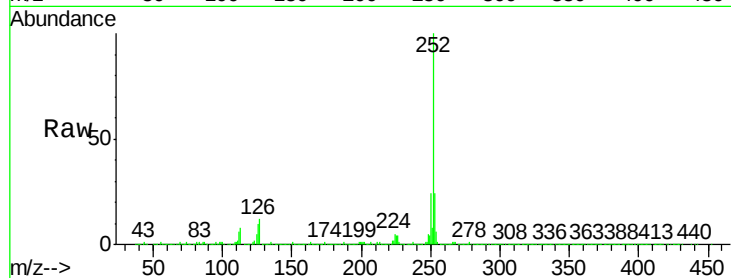
#91
Benzo(a)pyrene
Concen: 183.87 ng/ul
RT: 23.33 min Scan# 3510
Delta R.T. 0.08 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Instrument :
BNA_M
ClientSampleId :
C01S3RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	9.7	6.1	9.1

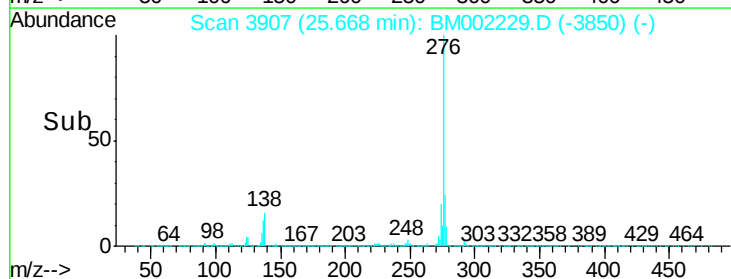
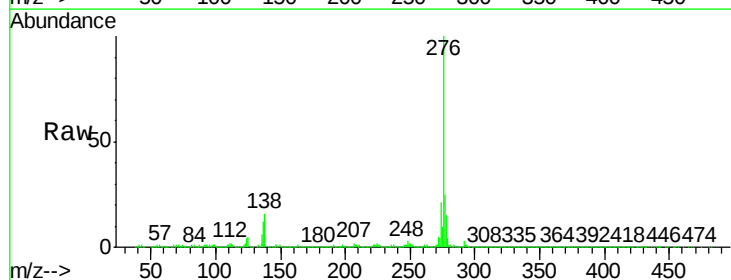
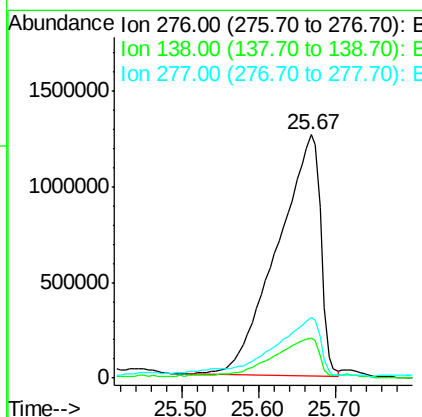
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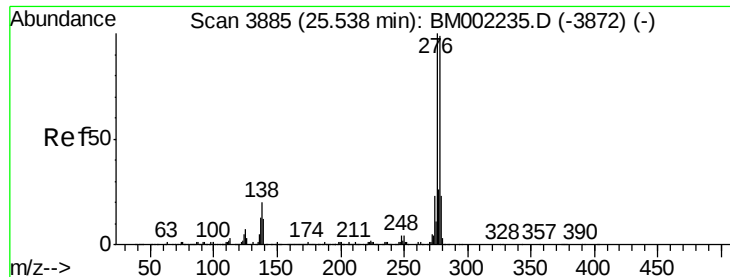
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#92
Indeno(1,2,3-cd)pyrene
Concen: 107.64 ng/ul
RT: 25.67 min Scan# 3907
Delta R.T. 0.14 min
Lab File: BM002229.D
Acq: 05 Aug 2015 02:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	15.4	23.0
277	24.7	20.2	30.2





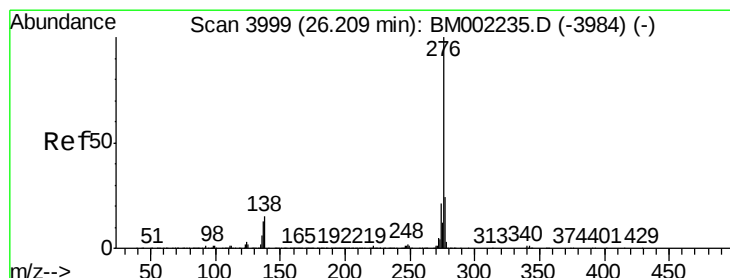
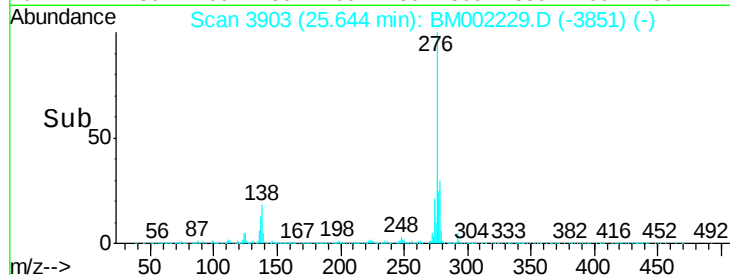
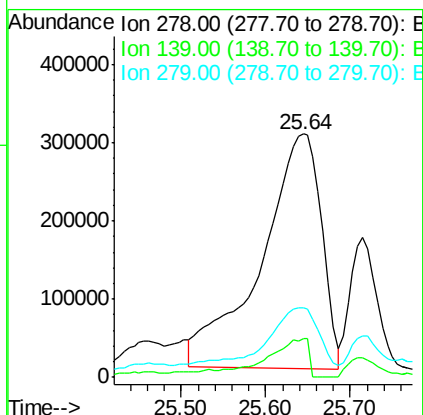
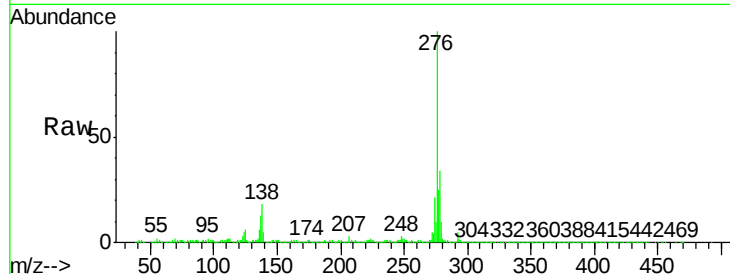
#93
 Dibenzo(a,h)anthracene
 Concen: 38.43 ng/ul
 RT: 25.64 min Scan# 3903
 Delta R.T. 0.11 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Instrument :
 BNA_M
 ClientSampleId :
 C01S3RE

Tgt Ion:278 Resp: 1489796
 Ion Ratio Lower Upper
 278 100
 139 16.1 10.4 15.6#
 279 28.4 17.9 26.9#

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#94
 Benzo(g,h,i)perylene
 Concen: 116.18 ng/ul
 RT: 26.36 min Scan# 4025
 Delta R.T. 0.16 min
 Lab File: BM002229.D
 Acq: 05 Aug 2015 02:56

Tgt Ion:276 Resp: 4398738
 Ion Ratio Lower Upper
 276 100
 138 18.1 12.5 18.7
 277 27.1 19.4 29.0

