

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002118.D
 Acq On : 29 Jul 2015 06:29
 Operator : TP/UM
 Sample : G3030-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02F1

Manual Integrations
 APPROVED

apatel
 7/30/2015 7:49:23 AM

Quant Time: Jul 29 07:55:42 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:50:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	71124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	285962	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	181259	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	426661	20.00	ng/ul	0.00
78) Chrysene-d12	21.22	240	504066	20.00	ng/ul	0.01
86) Perylene-d12	23.42	264	513971	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3829	2.79	ng/uL	0.00
5) Phenol-d5	6.78	99	90435	17.79	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	46484	16.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	75169	17.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	68180	16.87	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	35508	17.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	35775	15.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	81477	18.73	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	77469	16.21	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	238865	17.99	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	275604	16.60	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	31664	14.29	ng/ul	0.01
58) Fluorene-d10	15.26	176	194383	16.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	7889	3.02	ng/ul	0.00
71) Anthracene-d10	17.11	188	317221	16.66	ng/ul	0.00
79) Pyrene-d10	19.42	212	329901	15.55	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	349451	14.03	ng/ul	0.02

Target Compounds

					Ovalue
45) Dimethylphthalate	13.72	163	102140	7.71 ng/ul	100
50) Acenaphthene	14.33	153	19201	1.71 ng/ul	99
59) Fluorene	15.31	166	25578	1.92 ng/ul	99
70) Phenanthrene	17.06	178	365669	16.55 ng/ul	99
72) Anthracene	17.14	178	106406	4.71 ng/ul	99
75) Carbazole	17.42	167	29317	1.52 ng/ul#	91
76) Di-n-butylphthalate	17.98	149	72776	3.16 ng/ul	98
77) Fluoranthene	19.08	202	656449	25.73 ng/ul	99
80) Pyrene	19.44	202	547532	19.96 ng/ul	99
83) Benzo(a)anthracene	21.20	228	317506	11.36 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.12	149	75760	4.72 ng/ul	100
85) Chrysene	21.25	228	324306	12.41 ng/ul	98
88) Benzo(b)fluoranthene	22.76	252	439591	15.22 ng/ul#	96
89) Benzo(k)fluoranthene	22.80	252	145186m	5.21 ng/ul	
91) Benzo(a)pyrene	23.32	252	292420	10.49 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.63	276	218643	6.81 ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	57719	2.10 ng/ul#	81
94) Benzo(g,h,i)perylene	26.31	276	192962	7.17 ng/ul	97

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

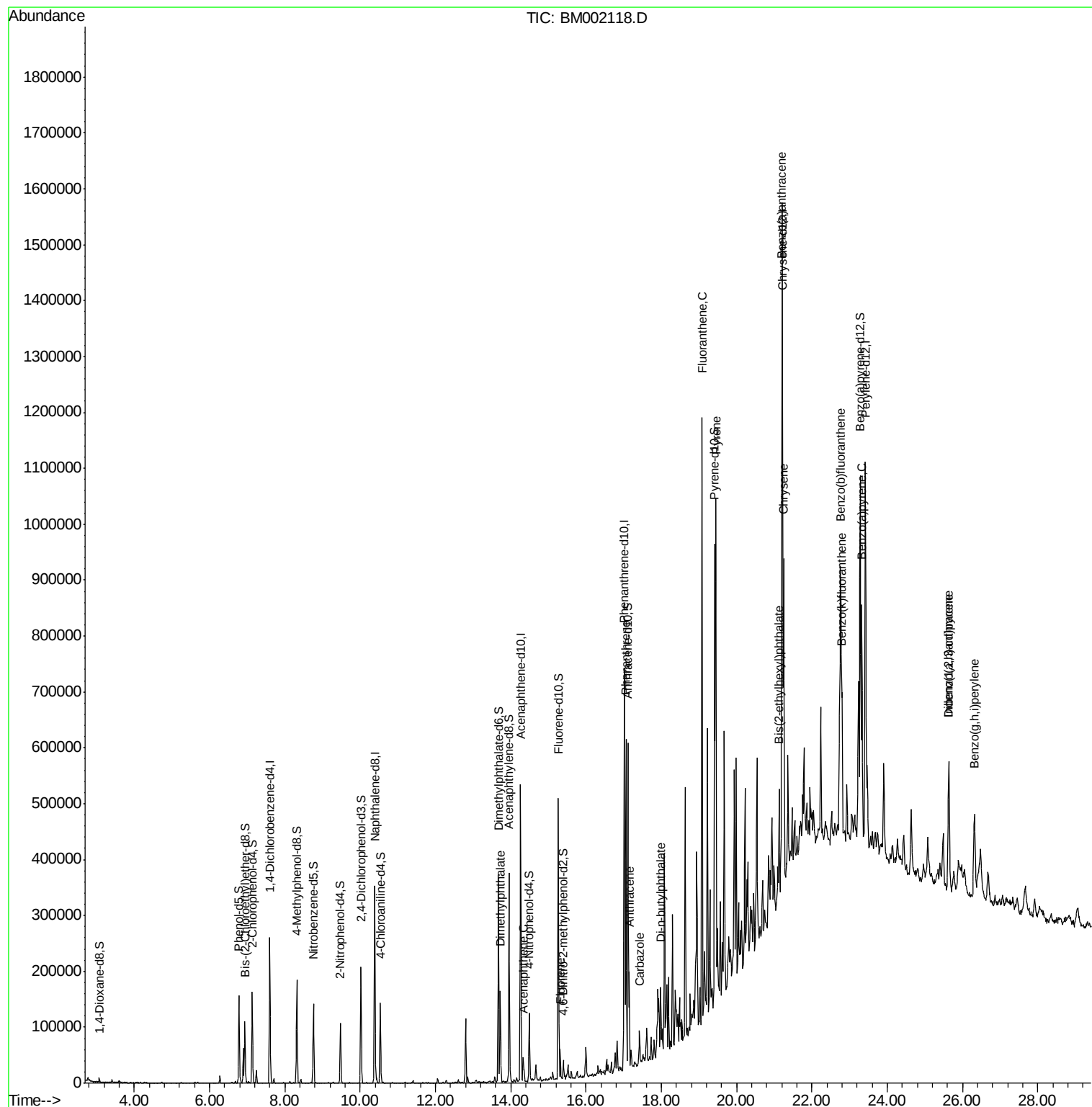
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002118.D
Acq On : 29 Jul 2015 06:29
Operator : TP/UM
Sample : G3030-16
Misc :
ALS Vial : 24 Sample Multiplier: 1

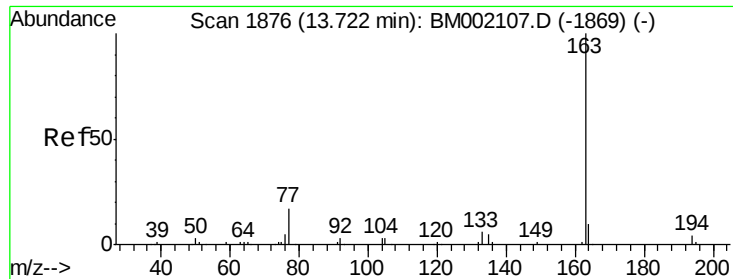
Instrument :
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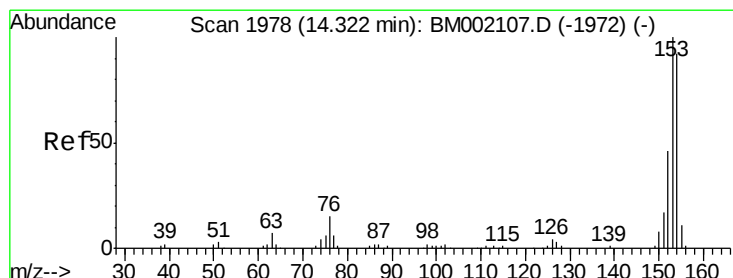
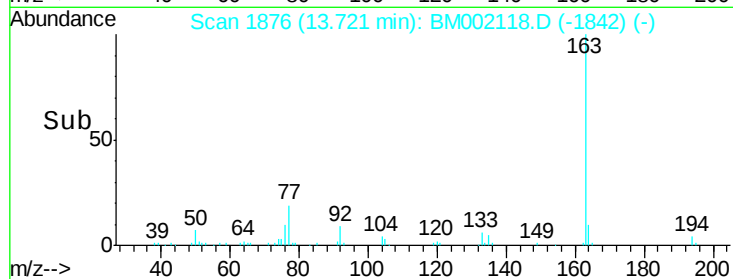
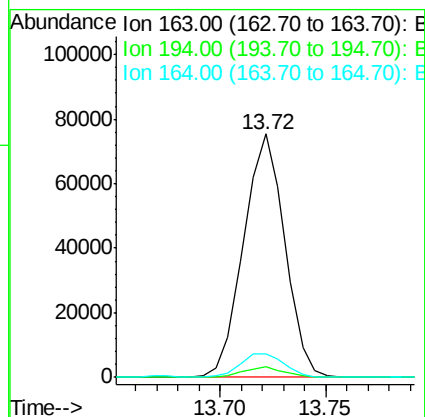
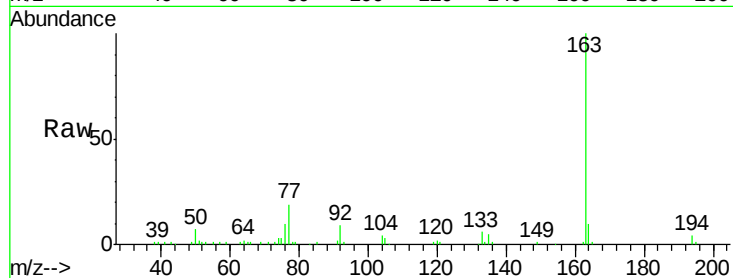
#45
Dimethylphthalate
Concen: 7.71 ng/ul
RT: 13.72 min Scan# 1876
Delta R.T. -0.00 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Instrument :
BNA_M
ClientSampleId :
C02F1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	102140		
194	4.4	3.5	5.3	
164	9.9	8.0	12.0	

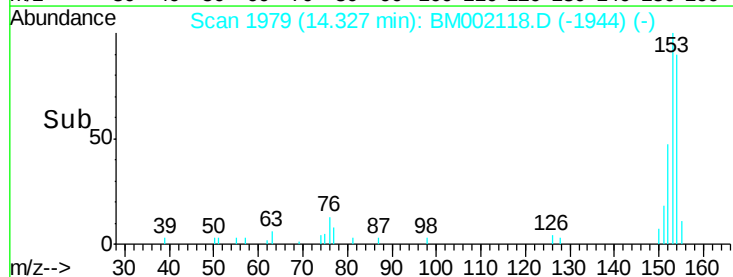
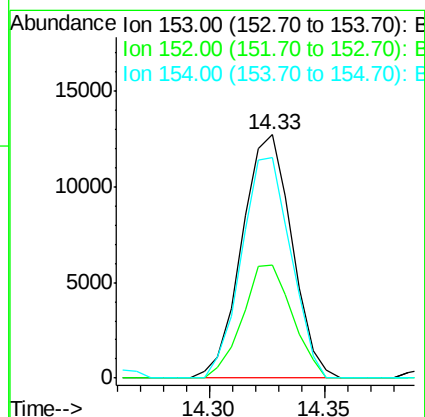
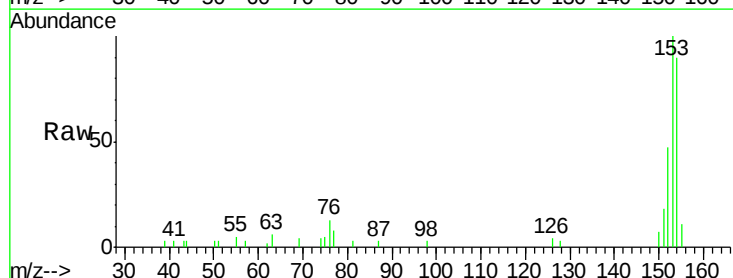
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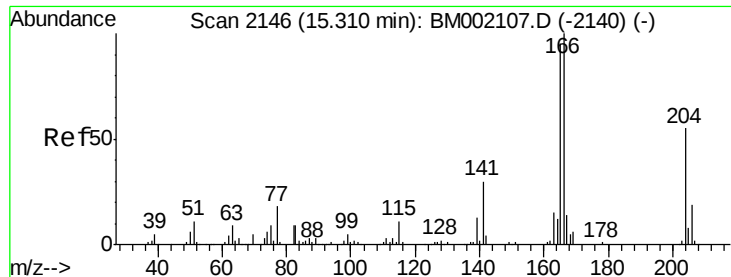
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#50
Acenaphthene
Concen: 1.71 ng/ul
RT: 14.33 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	19201		
152	46.6	37.3	55.9	
154	90.3	71.4	107.2	





#59

Fluorene

Concen: 1.92 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

ClientSampleId :

C02F1

Tot Ion:166 Resp: 25578

Ion Ratio Lower Upper

166 100

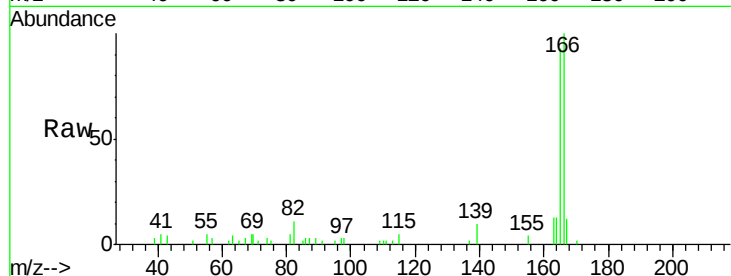
165 93.4 75.6 113.4

167 12.4 10.5 15.7

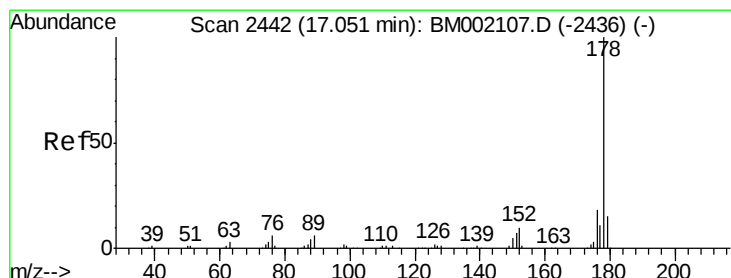
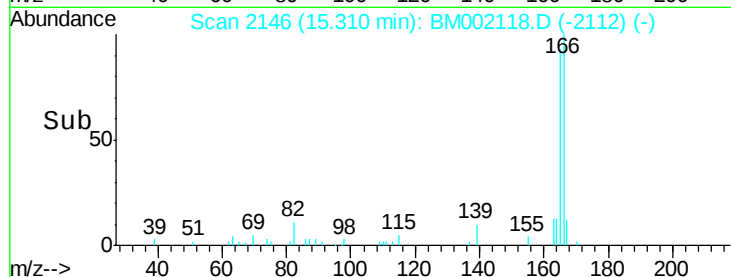
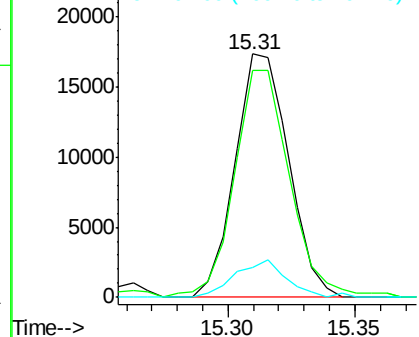
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 16.55 ng/ul

RT: 17.06 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

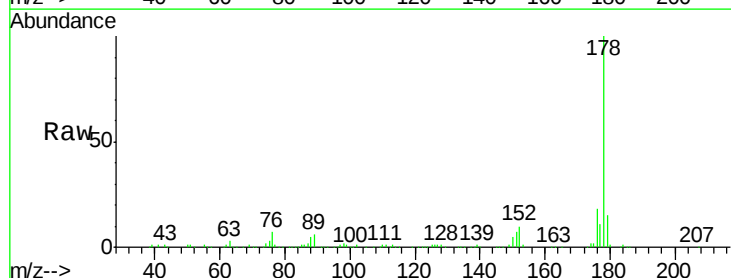
Tgt Ion:178 Resp: 365669

Ion Ratio Lower Upper

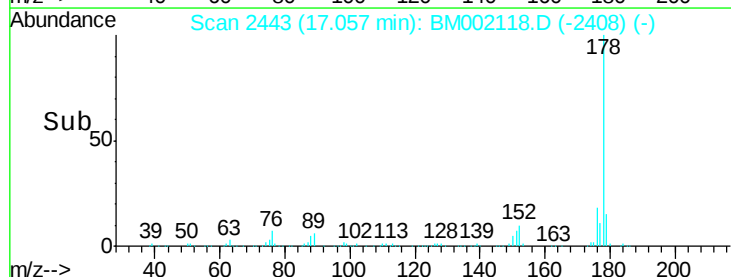
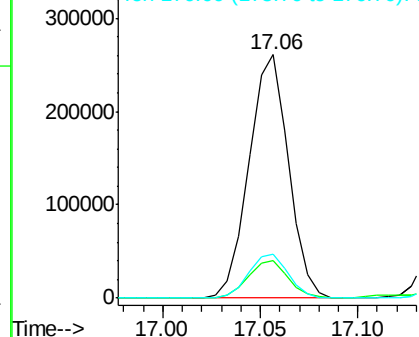
178 100

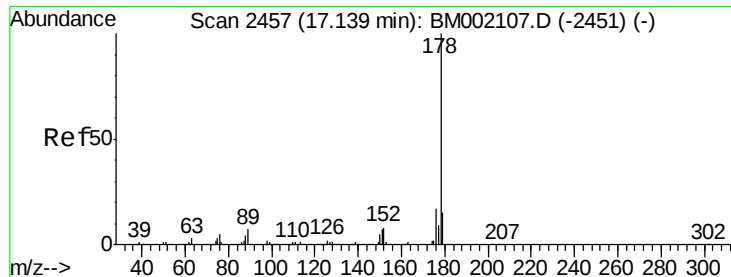
179 15.3 12.5 18.7

176 17.9 14.2 21.4



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: 4.71 ng/ul

RT: 17.14 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

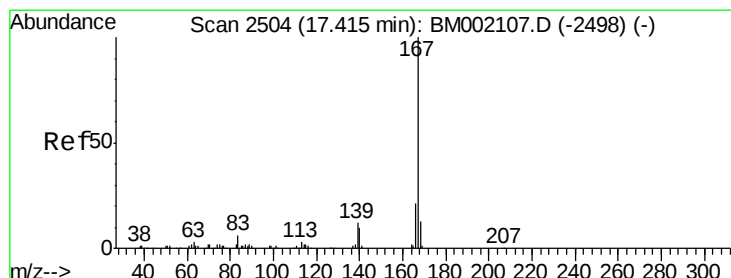
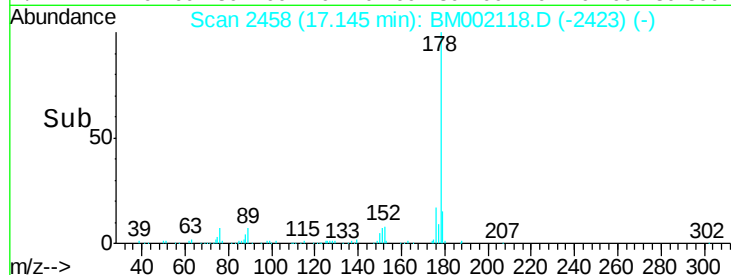
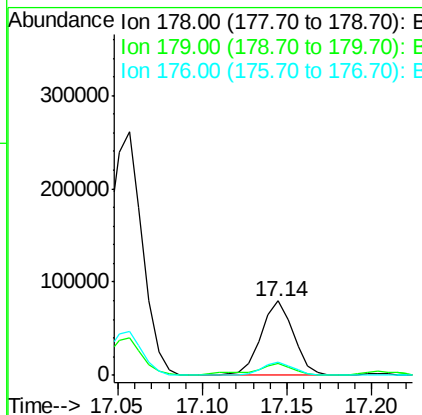
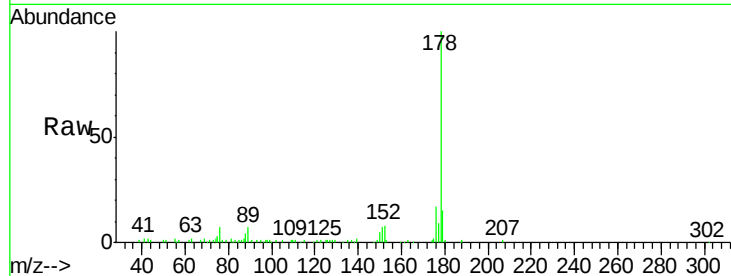
ClientSampleId :

C02F1

Tot Ion:	178	Resp:	106406
Ion Ratio	Lower	Upper	
178	100		
179	15.3	12.1	18.1
176	17.3	14.1	21.1

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#75

Carbazole

Concen: 1.52 ng/ul

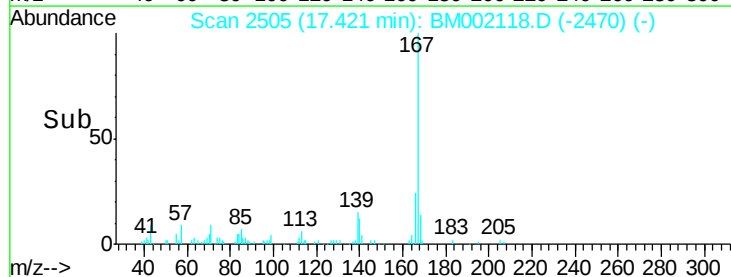
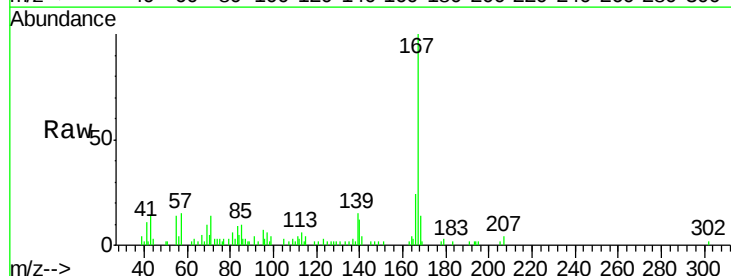
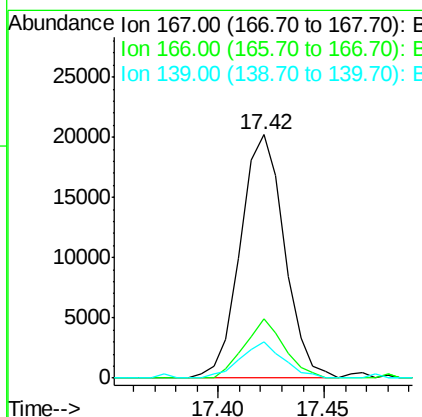
RT: 17.42 min Scan# 2505

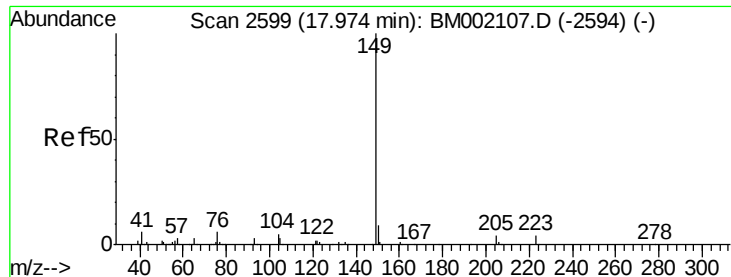
Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Tgt Ion:	167	Resp:	29317
Ion Ratio	Lower	Upper	
167	100		
166	24.4	16.2	24.4#
139	15.1	9.6	14.4#





#76

Di-n-butylphthalate

Concen: 3.16 ng/ul

RT: 17.98 min Scan# 2600

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

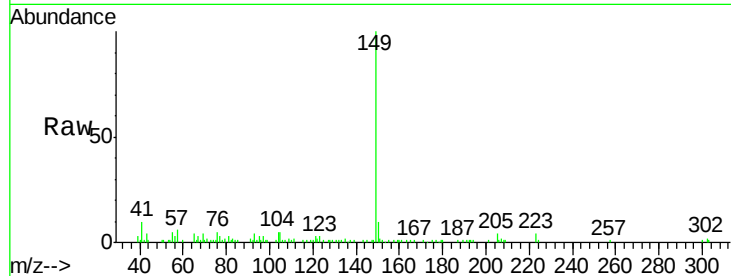
ClientSampled :

C02F1

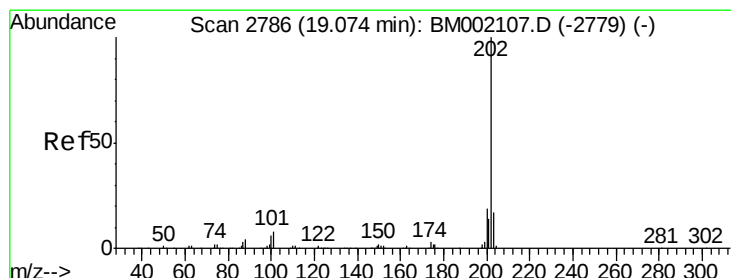
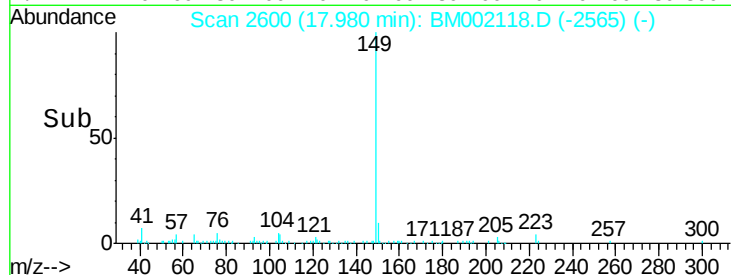
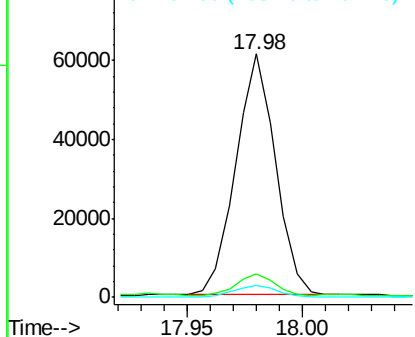
Tot Ion:	149	Resp:	72776
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.0	10.4
104	5.1	4.2	6.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 25.73 ng/ul

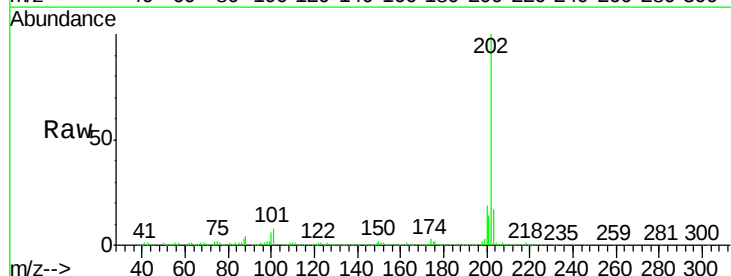
RT: 19.08 min Scan# 2787

Delta R.T. 0.01 min

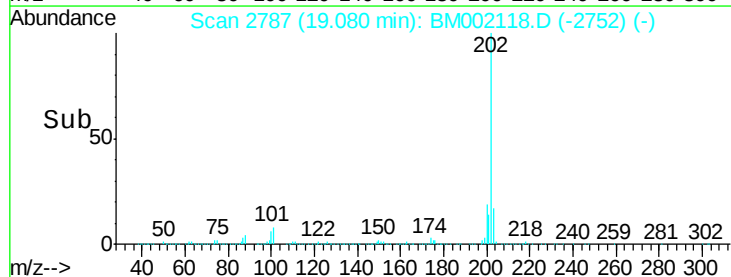
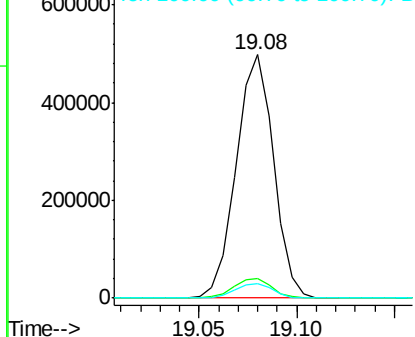
Lab File: BM002118.D

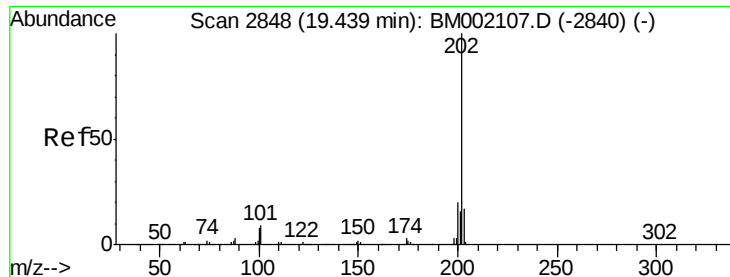
Acq: 29 Jul 2015 06:29

Tgt Ion:	202	Resp:	656449
Ion Ratio	Lower	Upper	
202	100		
101	8.1	6.2	9.4
100	6.1	5.2	7.8



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





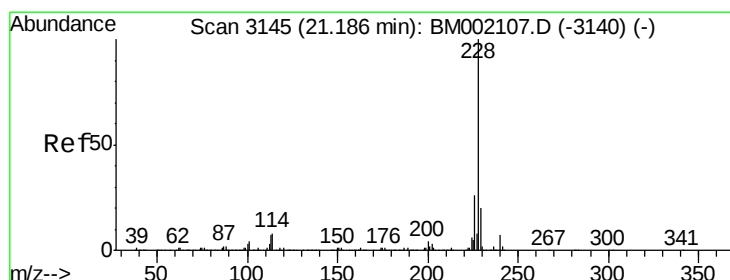
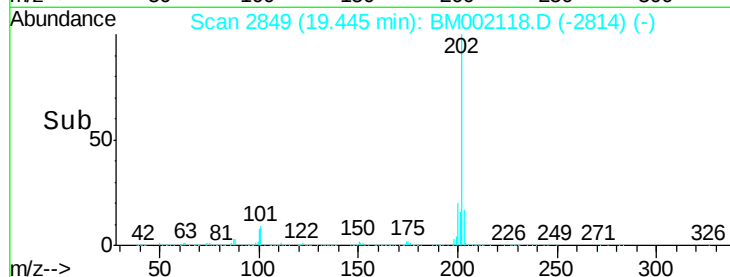
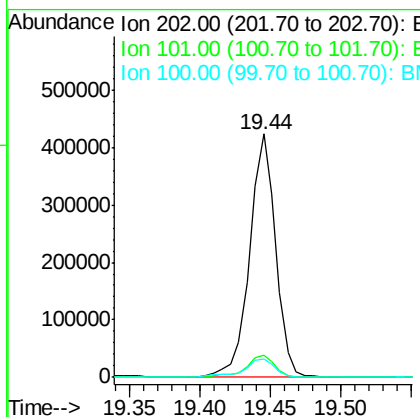
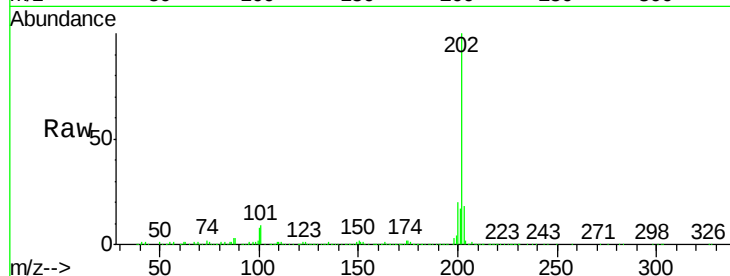
#80
Pvrene
Concen: 19.96 ng/ul
RT: 19.44 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Instrument :
BNA_M
ClientSampleId :
C02F1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.1	7.4	11.2
100	7.7	6.3	9.5

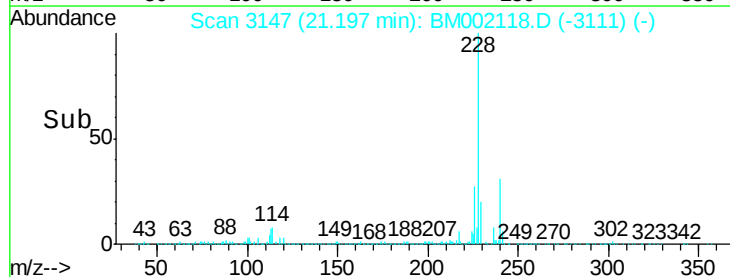
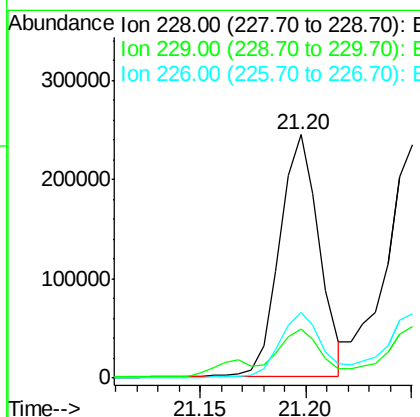
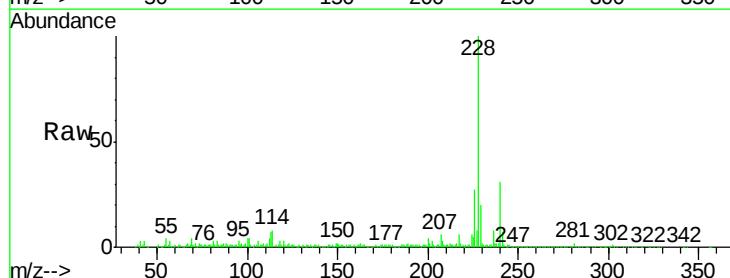
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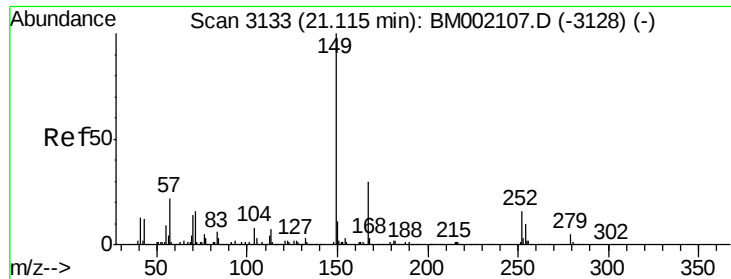
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#83
Benzo(a)anthracene
Concen: 11.36 ng/ul
RT: 21.20 min Scan# 3147
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.2	15.4	23.2
226	27.1	20.5	30.7





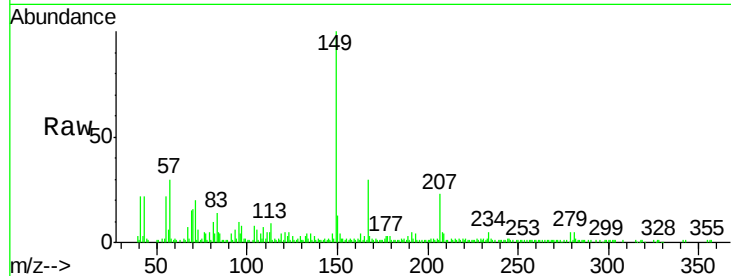
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.72 ng/ul
 RT: 21.12 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

Instrument :
 BNA_M
 ClientSampled :
 C02F1

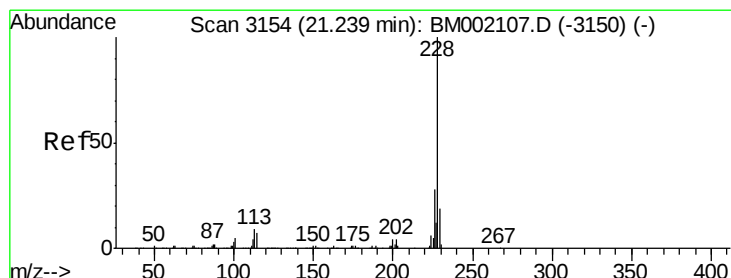
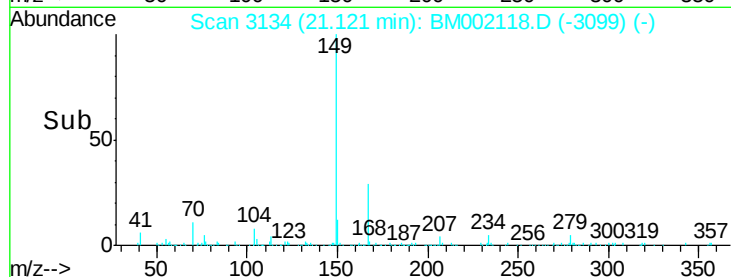
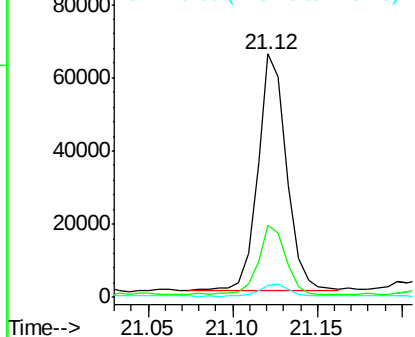
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.6	35.4
279	4.9	4.2	6.4

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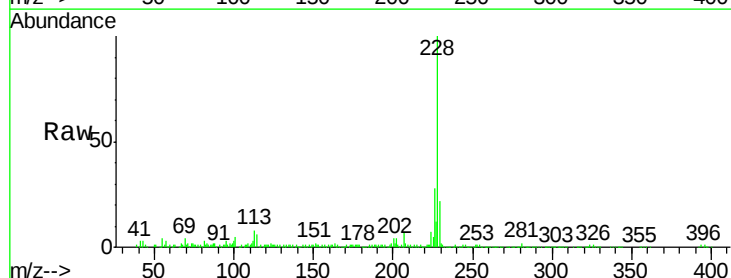


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

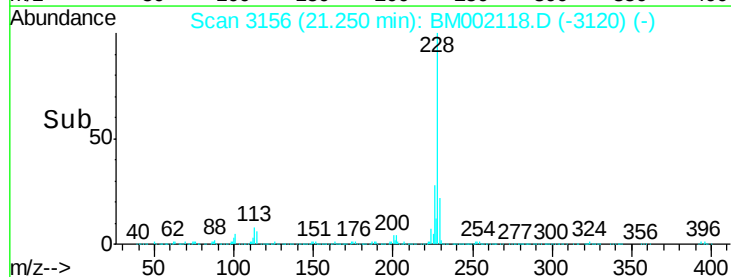
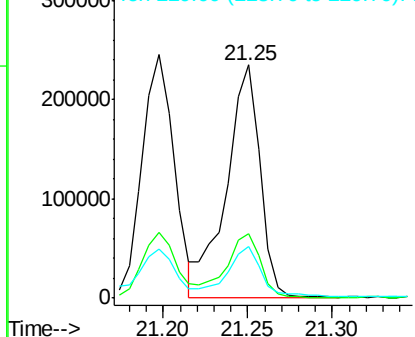


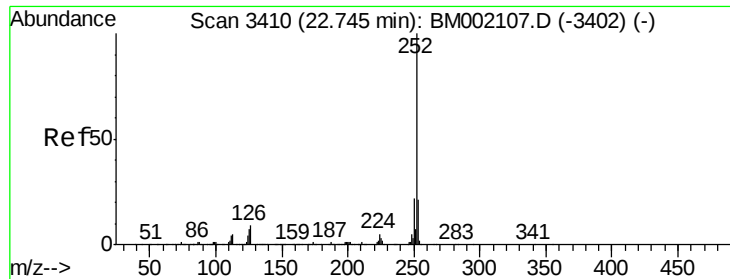
#85
 Chrysene
 Concen: 12.41 ng/ul
 RT: 21.25 min Scan# 3156
 Delta R.T. 0.01 min
 Lab File: BM002118.D
 Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	22.0	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





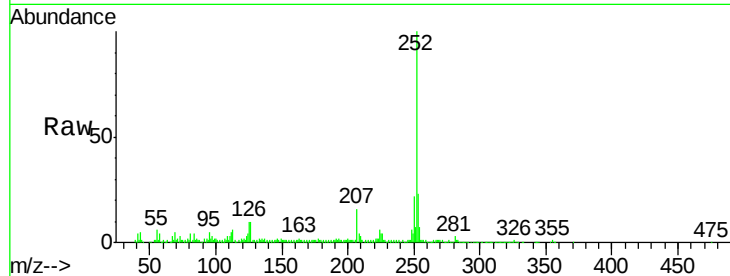
#88
Benzo(b)fluoranthene
Concen: 15.22 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Instrument :
BNA_M
ClientSampleId :
C02F1

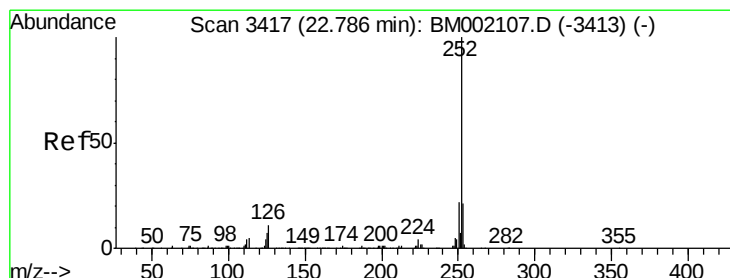
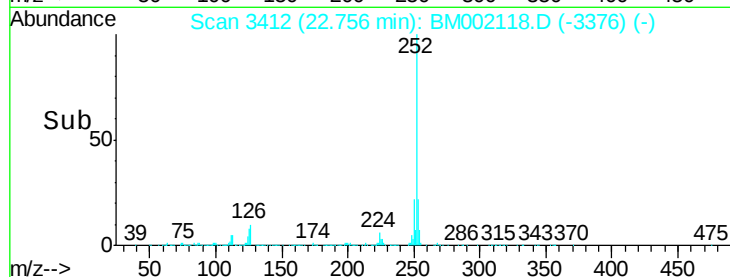
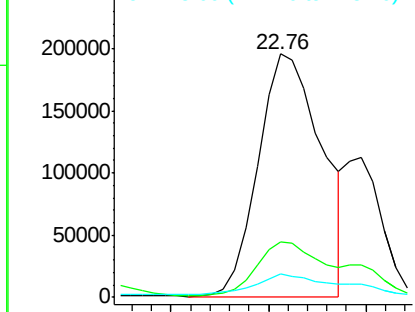
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	16.9	25.3
125	9.5	6.2	9.2

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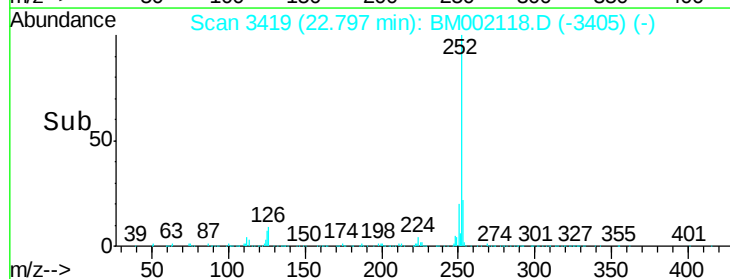
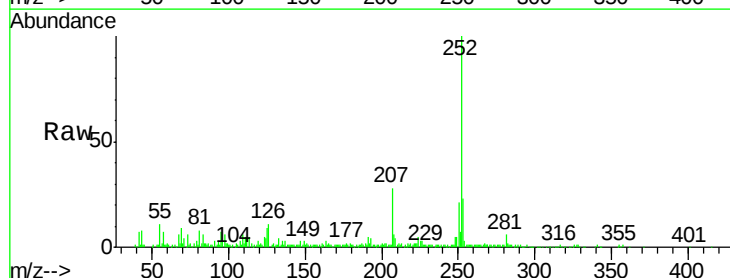
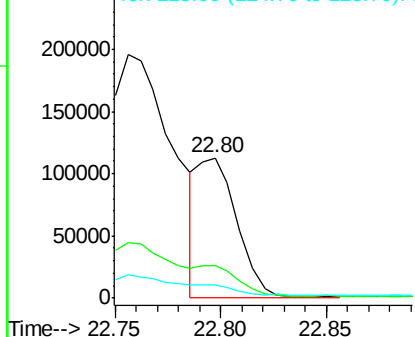
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

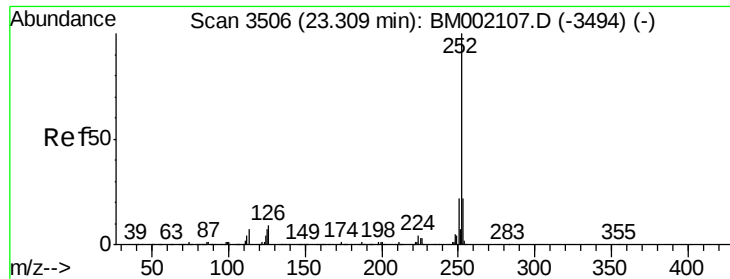


#89
Benzo(k)fluoranthene
Concen: 5.21 ng/ul m
RT: 22.80 min Scan# 3419
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.4	26.0
125	9.2	6.2	9.4

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





#91

Benzo(a)pyrene

Concen: 10.49 ng/ul

RT: 23.32 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BM002118.D

Acq: 29 Jul 2015 06:29

Instrument :

BNA_M

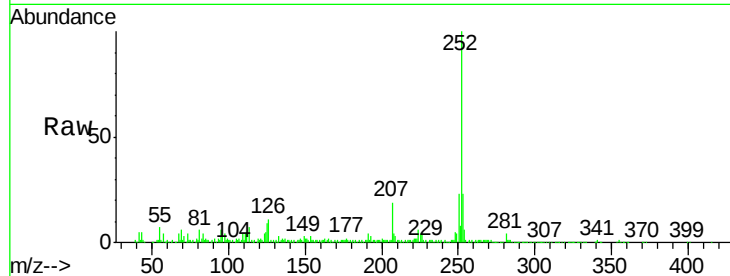
ClientSampled :

C02F1

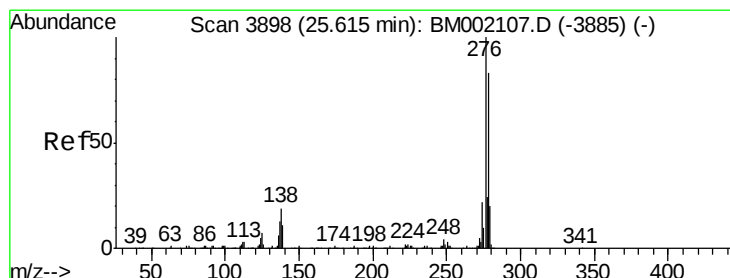
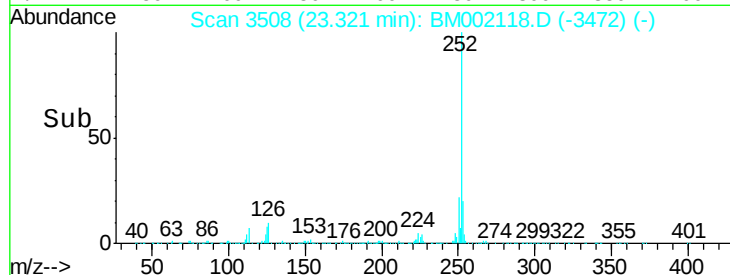
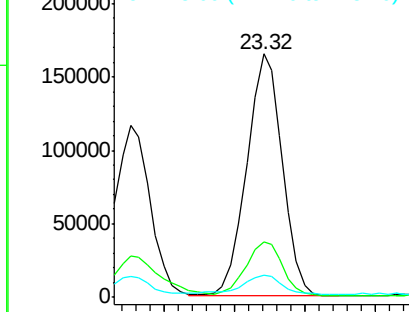
Tot Ion	Ratio	Resp	Lower	Upper
252	100	292420		
253	22.9	17.2	25.8	
125	9.2	6.6	10.0	

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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



#92

Indeno(1,2,3-cd)pyrene

Concen: 6.81 ng/ul

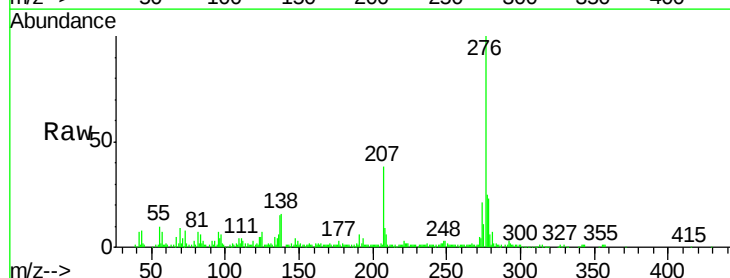
RT: 25.63 min Scan# 3901

Delta R.T. 0.02 min

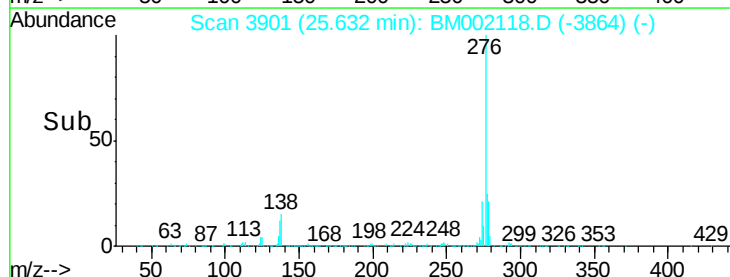
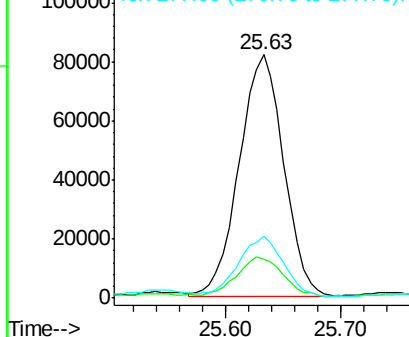
Lab File: BM002118.D

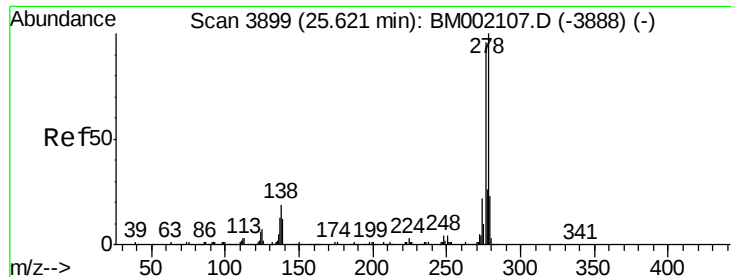
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	218643		
138	16.2	16.2	24.2	
277	25.2	19.8	29.8	



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





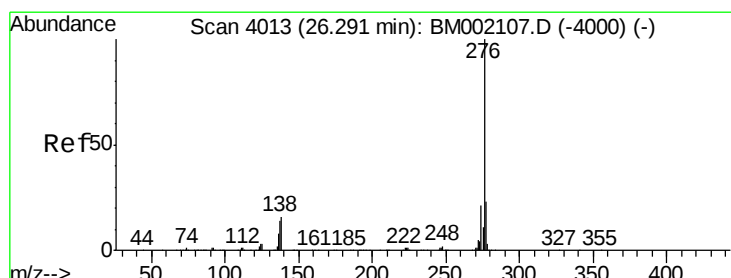
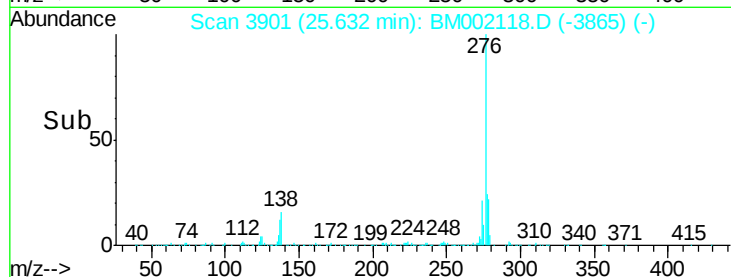
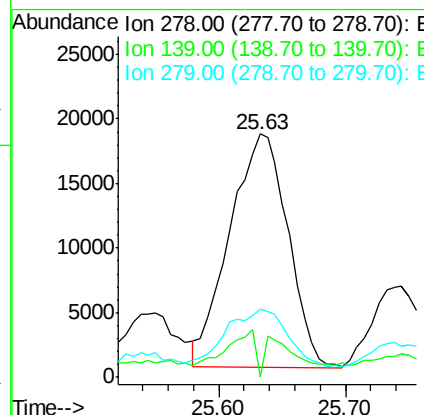
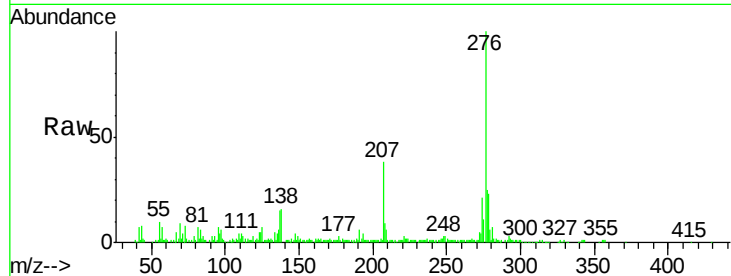
#93
Dibenzo(a,h)anthracene
Concen: 2.10 ng/ul
RT: 25.63 min Scan# 3901
Delta R.T. 0.01 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Instrument :
BNA_M
ClientSampleId :
C02F1

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	10.6	16.0#
279	28.1	18.5	27.7#

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#94
Benzo(g,h,i)perylene
Concen: 7.17 ng/ul
RT: 26.31 min Scan# 4016
Delta R.T. 0.02 min
Lab File: BM002118.D
Acq: 29 Jul 2015 06:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.8	20.6
277	24.6	18.2	27.2

