

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002106.D
 Acq On : 28 Jul 2015 22:36
 Operator : TP/UM
 Sample : G3048-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01X5

Manual Integrations
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apatel
 7/30/2015 7:47:47 AM

Quant Time: Jul 29 01:38:08 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 00:46:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	51733	20.00	ng/ul	0.00
18) Naphthalene-d8	10.38	136	199831	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	114145	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	252853	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	299084	20.00	ng/ul	0.00
86) Perylene-d12	23.41	264	301646	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	1803	1.80	ng/uL	0.00
5) Phenol-d5	6.77	99	37707	10.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	23665	11.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	34202	10.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	23532	8.00	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	15744	11.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	18075	11.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.01	165	31092	10.23	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	17523	5.25	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	94075	11.25	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	97423	9.32	ng/ul	0.00
52) 4-Nitrophenol-d4	14.47	143	7153	5.13	ng/ul	0.00
58) Fluorene-d10	15.26	176	68440	9.30	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.39	200	5616	3.63	ng/ul	0.00
71) Anthracene-d10	17.10	188	95778	8.49	ng/ul	0.00
79) Pyrene-d10	19.41	212	102934	8.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	101688	6.95	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.80	94	14830	3.92 ng/ul	97
14) Acetophenone	8.42	105	5136	1.10 ng/ul	96
28) Naphthalene	10.43	128	11659	1.23 ng/ul#	95
34) 2-Methylnaphthalene	12.06	142	7391	1.07 ng/ul	99
45) Dimethylphthalate	13.72	163	48079	5.76 ng/ul	99
50) Acenaphthene	14.32	153	12058	1.71 ng/ul	99
54) Dibenzofuran	14.66	168	11643	1.15 ng/ul	91
59) Fluorene	15.31	166	18140	2.16 ng/ul#	93
70) Phenanthrene	17.05	178	213637	16.31 ng/ul	99
72) Anthracene	17.14	178	49914	3.73 ng/ul	97
75) Carbazole	17.42	167	15442	1.35 ng/ul#	83
77) Fluoranthene	19.07	202	283452	18.74 ng/ul	98
80) Pyrene	19.44	202	250092	15.37 ng/ul	99
83) Benzo(a)anthracene	21.19	228	125484	7.57 ng/ul	97
85) Chrysene	21.24	228	111178	7.17 ng/ul	95
88) Benzo(b)fluoranthene	22.75	252	143854	8.49 ng/ul#	88
89) Benzo(k)fluoranthene	22.79	252	45201m	2.76 ng/ul	
91) Benzo(a)pyrene	23.31	252	104827	6.41 ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.61	276	69997	3.71 ng/ul	96
93) Dibenzo(a,h)anthracene	25.61	278	17526m	1.09 ng/ul	
94) Benzo(a,h,i)perylene	26.30	276	64514	4.08 ng/ul	99

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Instrument :
BNA_M
ClientSampleId :
C01X5

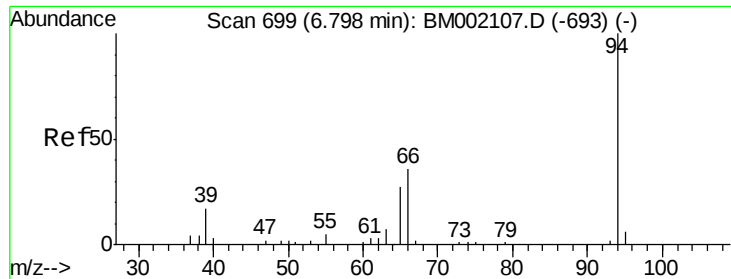
Manual Integrations
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Quant Time: Jul 29 01:38:08 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 00:46:08 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#6

Phenol

Concen: 3.92 ng/ul

RT: 6.80 min Scan# 699

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

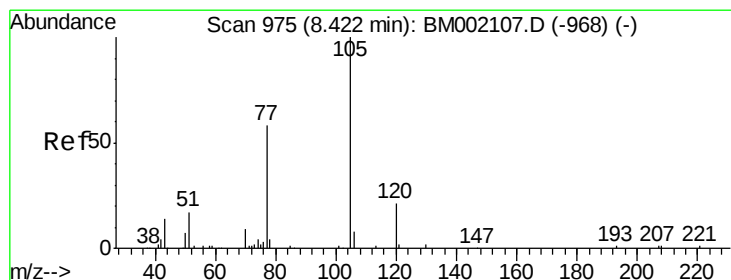
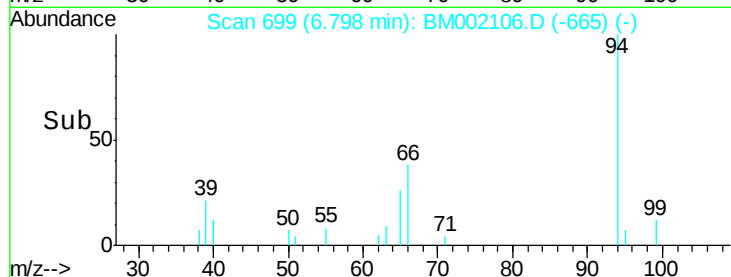
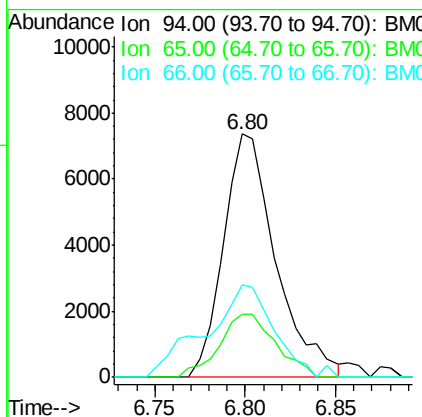
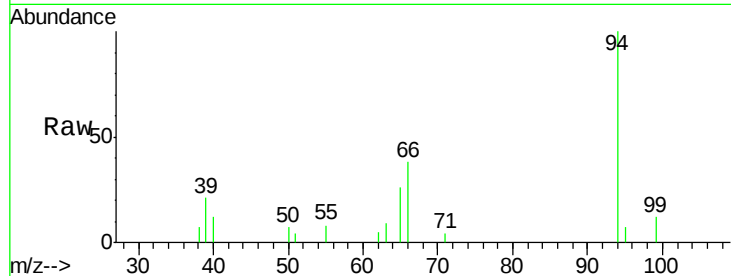
ClientSampleId :

C01X5

Tot Ion:	94	Resp:	14830
Ion	Ratio	Lower	Upper
94	100		
65	26.0	21.8	32.8
66	38.2	32.3	48.5

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#14

Acetophenone

Concen: 1.10 ng/ul

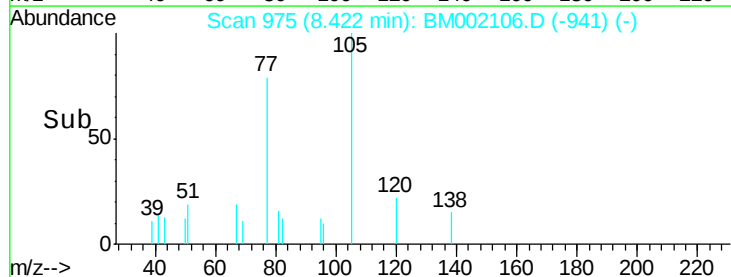
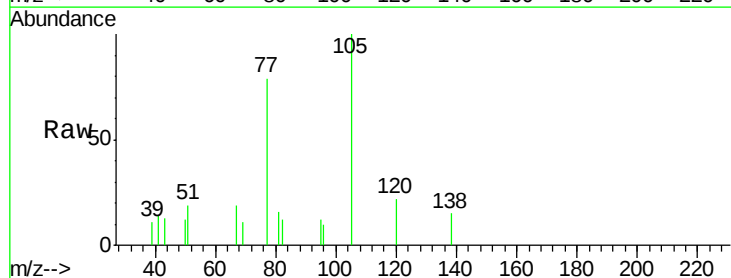
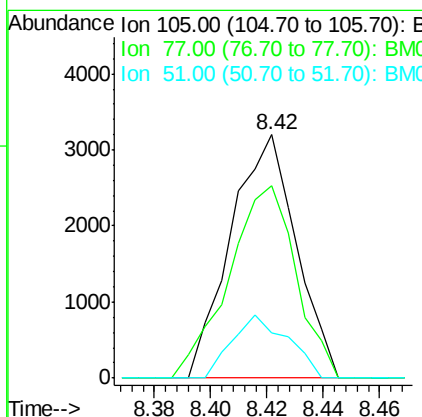
RT: 8.42 min Scan# 975

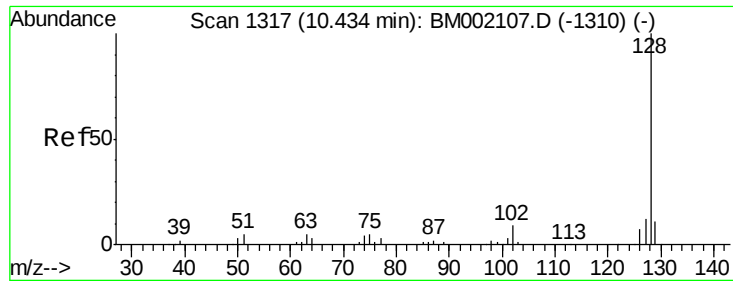
Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Tgt Ion:	105	Resp:	5136
Ion	Ratio	Lower	Upper
105	100		
77	79.1	61.8	92.8
51	18.8	18.5	27.7





#28

Naphthalene

Concen: 1.23 ng/ul

RT: 10.43 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

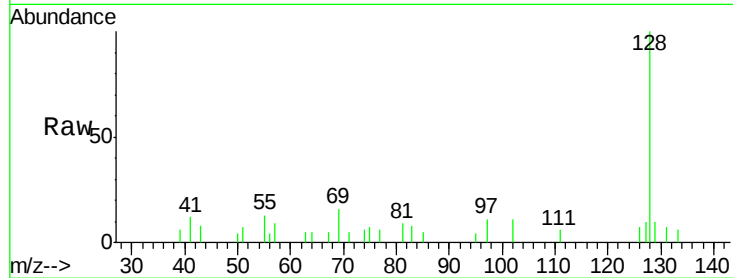
ClientSampled :

C01X5

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.0	9.0	13.4
127	9.9	10.2	15.4

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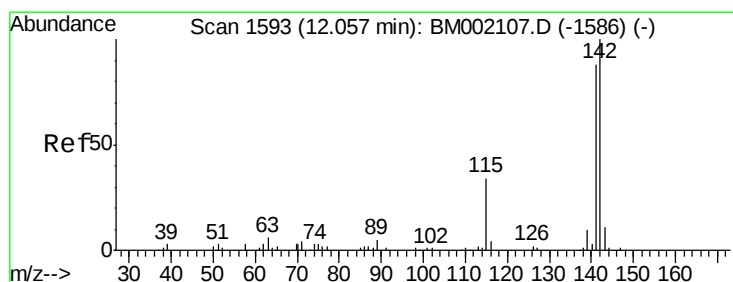
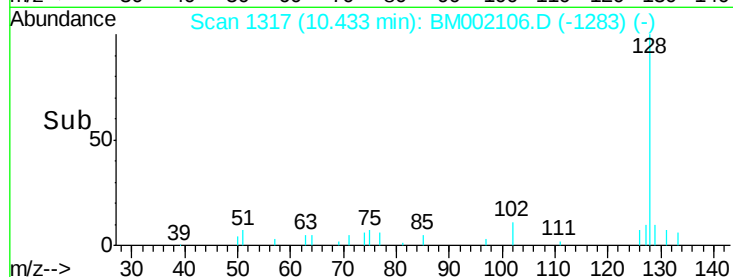
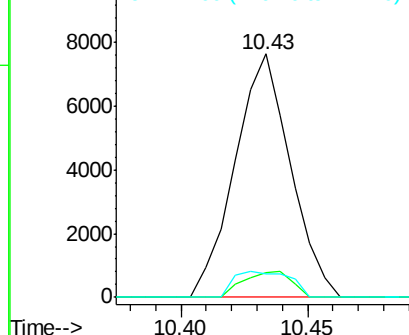
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.07 ng/ul

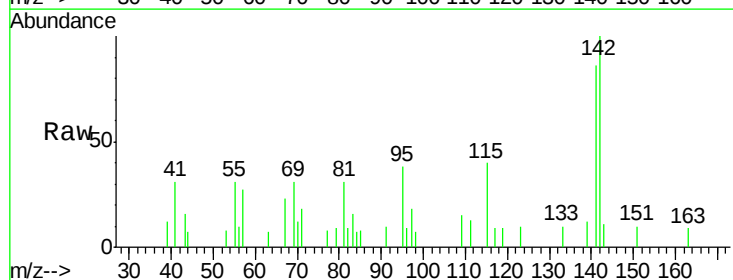
RT: 12.06 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BM002106.D

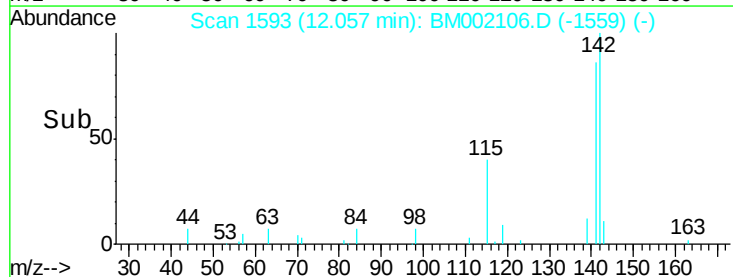
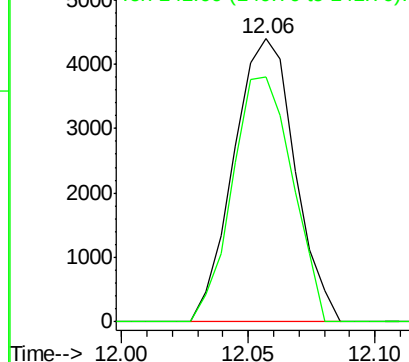
Acq: 28 Jul 2015 22:36

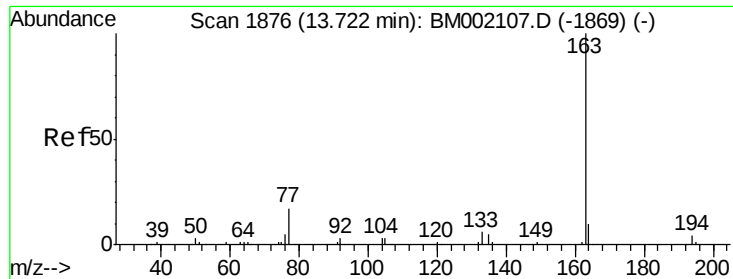
Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.8	104.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





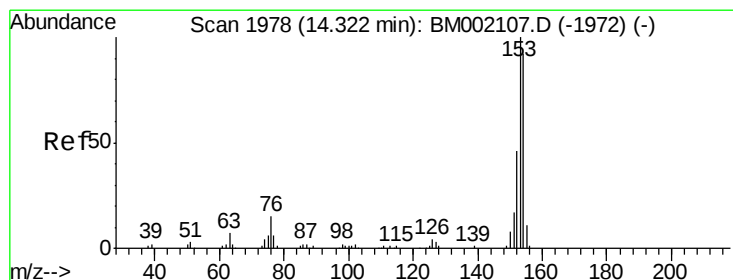
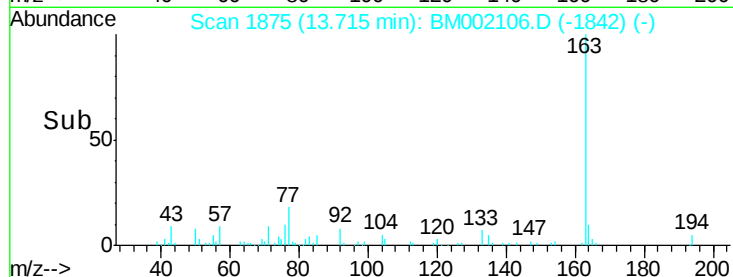
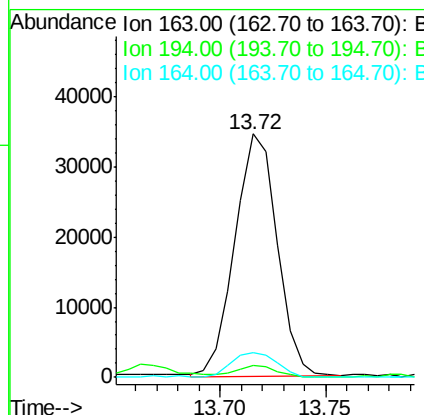
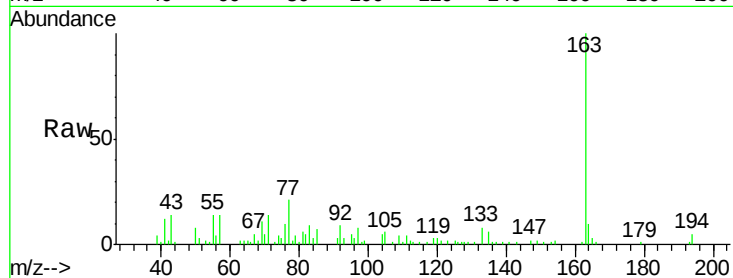
#45
Dimethylphthalate
Concen: 5.76 ng/ul
RT: 13.72 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
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ClientSampleId :
C01X5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	48079		
194	4.8		3.5	5.3
164	10.3		8.0	12.0

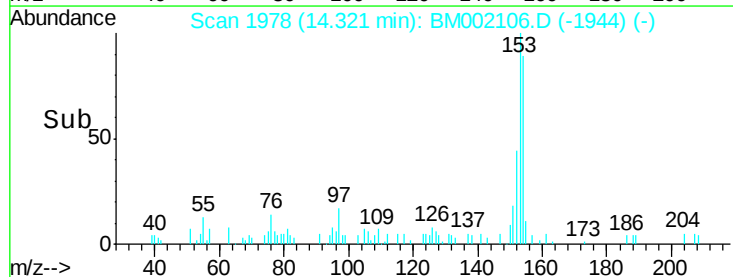
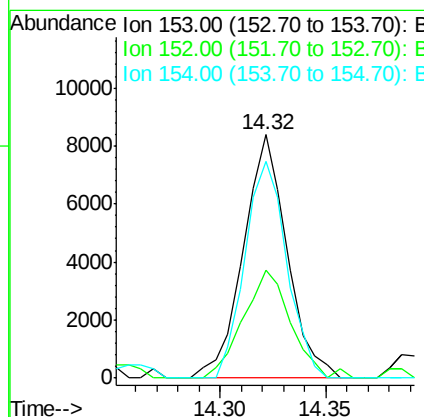
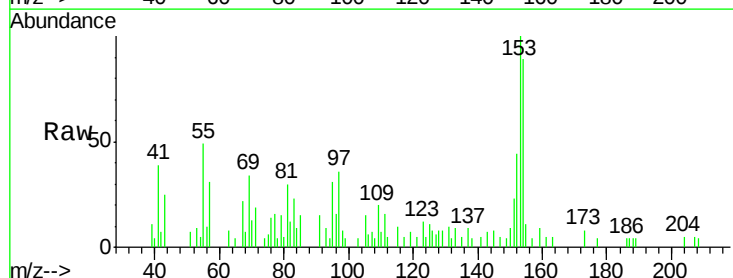
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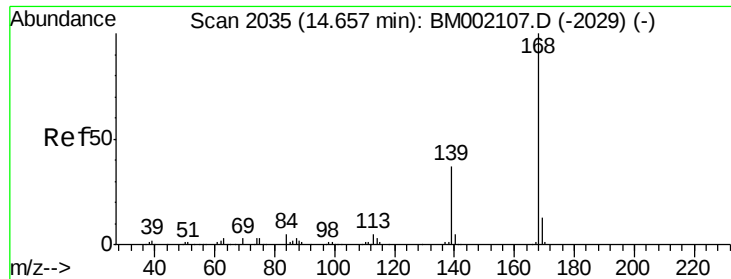
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#50
Acenaphthene
Concen: 1.71 ng/ul
RT: 14.32 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	12058		
152	44.1		37.3	55.9
154	89.0		71.4	107.2





#54

Dibenzenofuran

Concen: 1.15 ng/ul

RT: 14.66 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

ClientSampled :

C01X5

Tot Ion:168 Resp: 11643

Ion Ratio Lower Upper

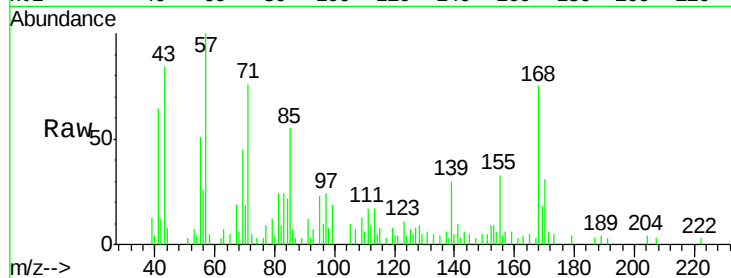
168 100

139 40.7 28.2 42.2

Manual Integrations
APPROVED

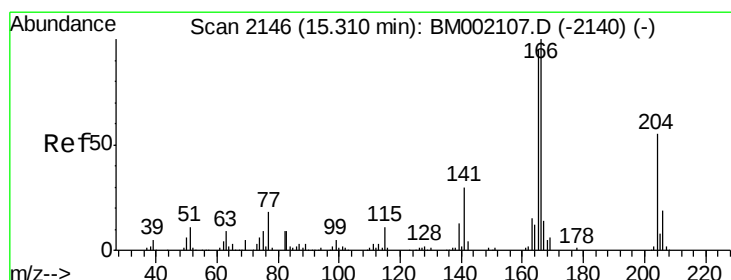
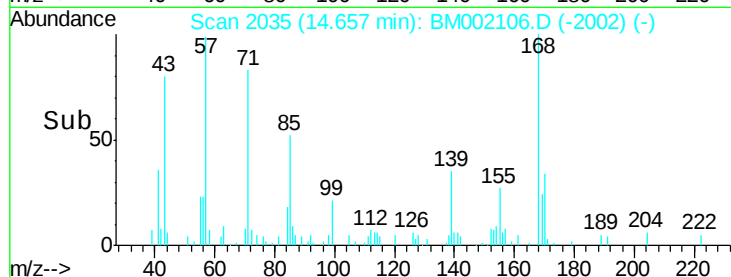
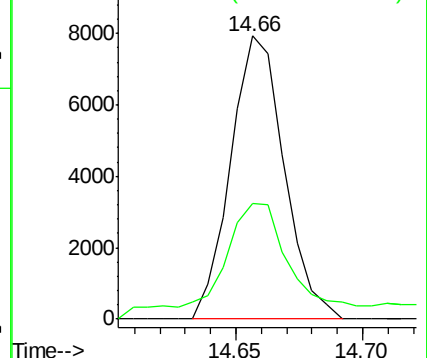
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 2.16 ng/ul

RT: 15.31 min Scan# 2146

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

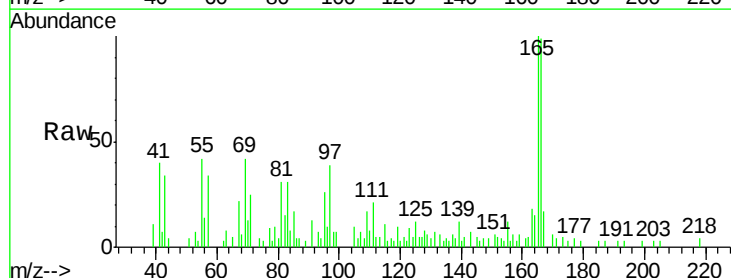
Tgt Ion:166 Resp: 18140

Ion Ratio Lower Upper

166 100

165 100.6 75.6 113.4

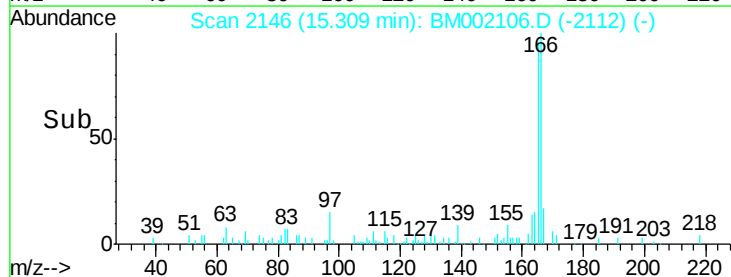
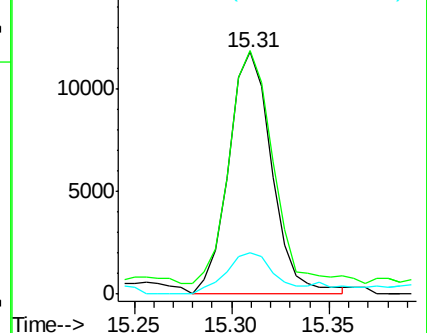
167 17.2 10.5 15.7#

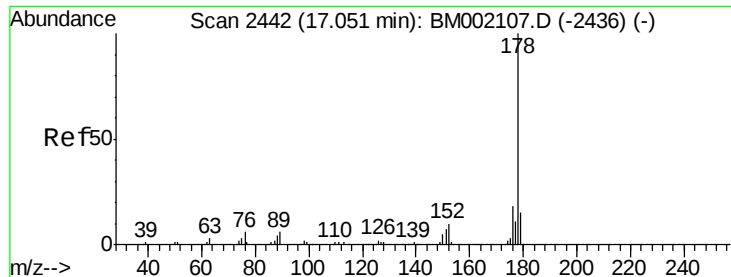


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





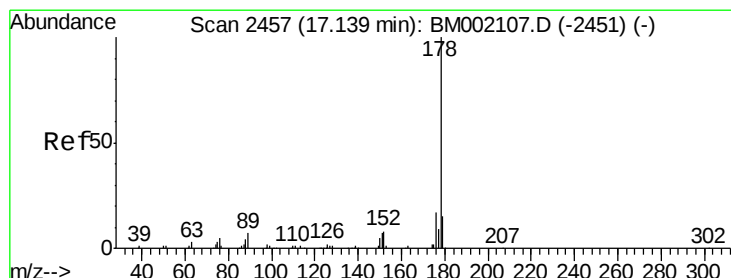
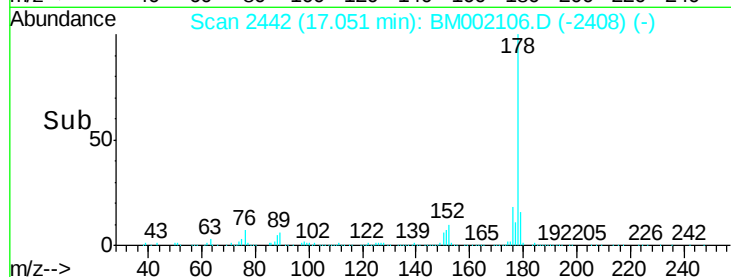
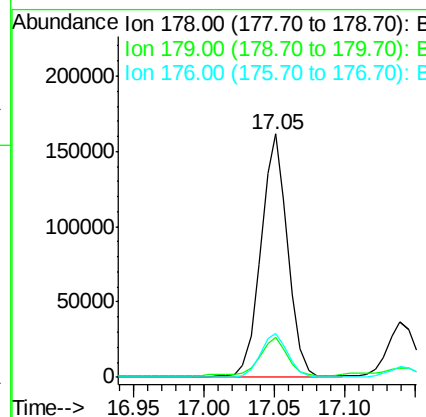
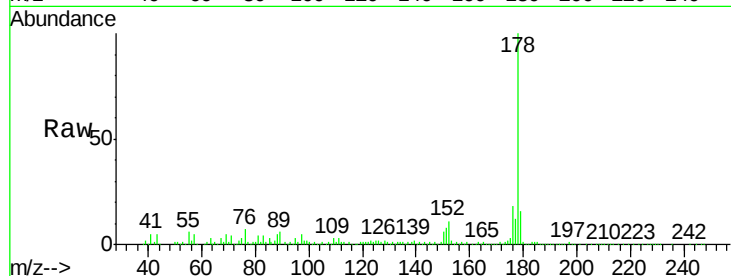
#70
Phenanthrene
Concen: 16.31 ng/ul
RT: 17.05 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
BNA_M
ClientSampleId :
C01X5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.5	18.7
176	17.9	14.2	21.4

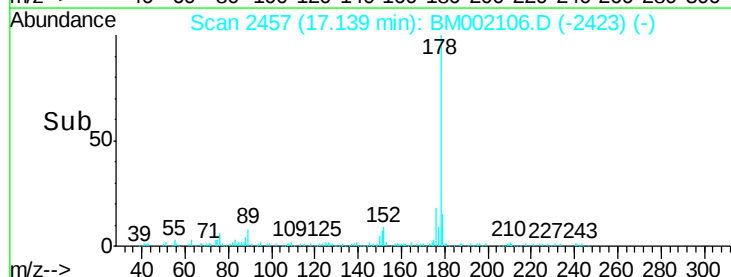
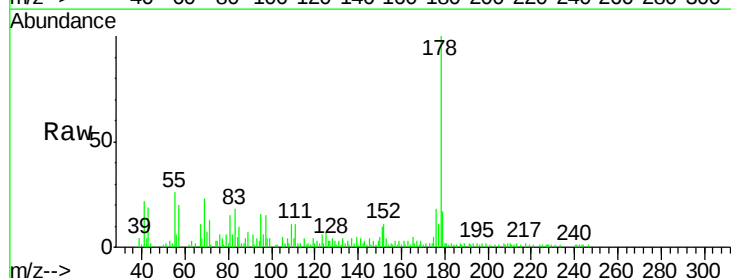
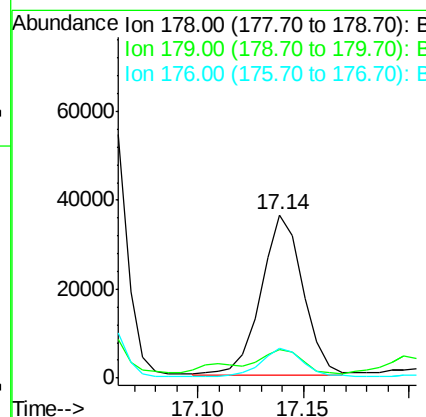
Manual Integrations
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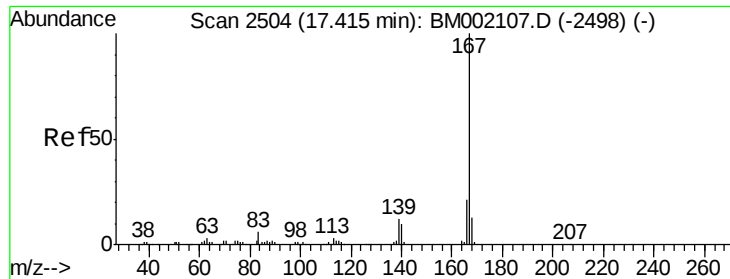
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#72
Anthracene
Concen: 3.73 ng/ul
RT: 17.14 min Scan# 2457
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.1	18.1
176	18.2	14.1	21.1





#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.42 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BM002106.D

Acq: 28 Jul 2015 22:36

Instrument :

BNA_M

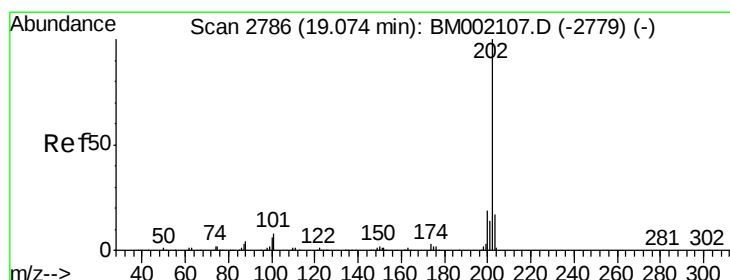
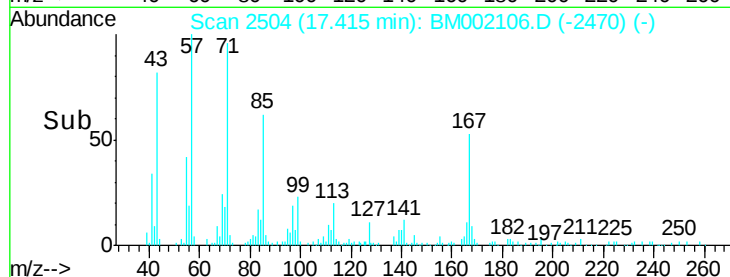
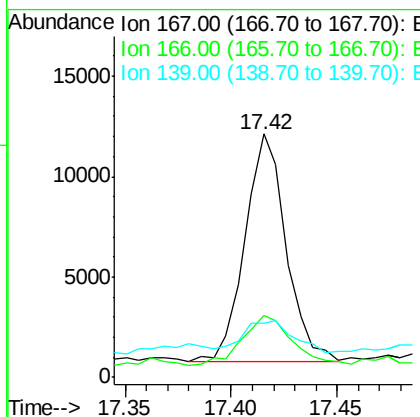
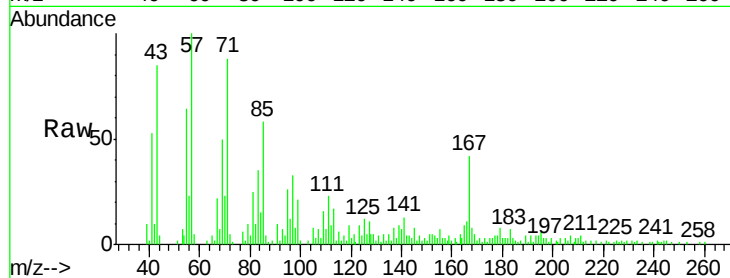
ClientSampleId :

C01X5

Tot Ion:	167	Resp:	15442
Ion Ratio	Lower	Upper	
167	100		
166	25.4	16.2	24.4#
139	22.2	9.6	14.4#

Manual Integrations
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#77

Fluoranthene

Concen: 18.74 ng/ul

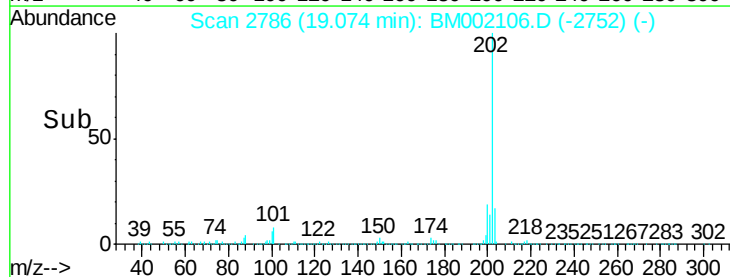
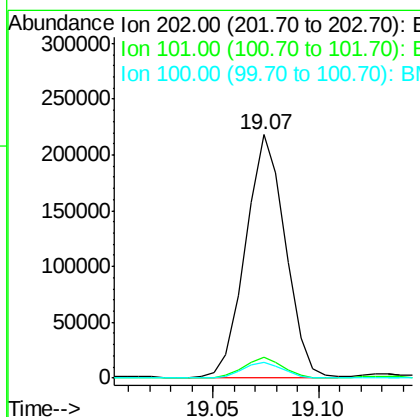
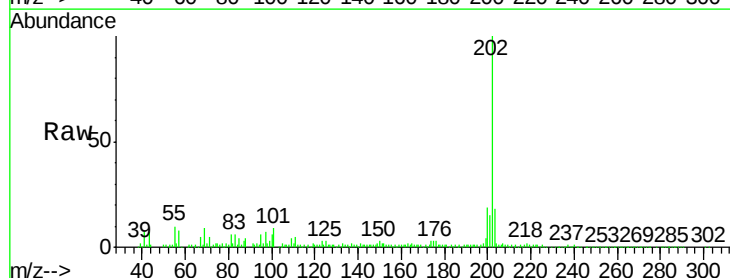
RT: 19.07 min Scan# 2786

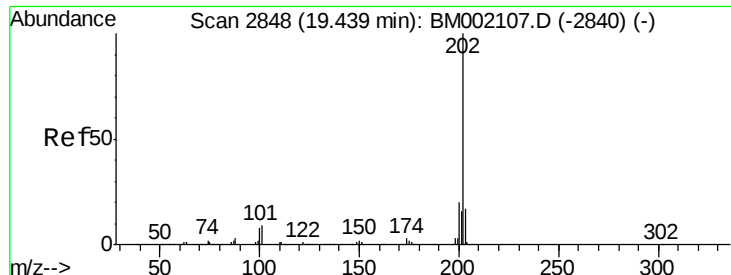
Delta R.T. -0.00 min

Lab File: BM002106.D

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Tgt Ion:	202	Resp:	283452
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.2	9.4
100	6.3	5.2	7.8





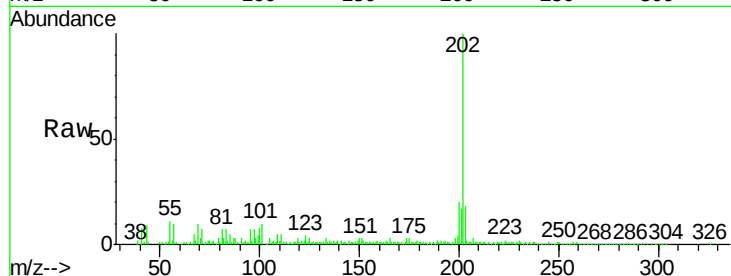
#80
Pvrene
Concen: 15.37 ng/ul
RT: 19.44 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
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ClientSampleId :
C01X5

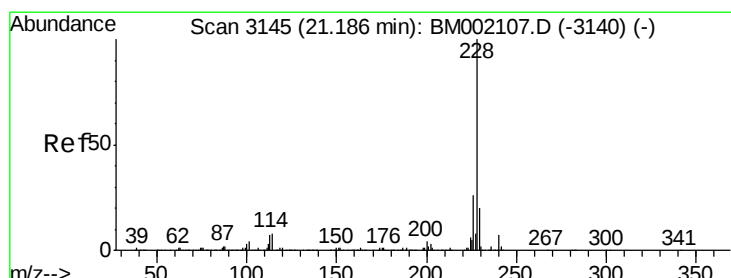
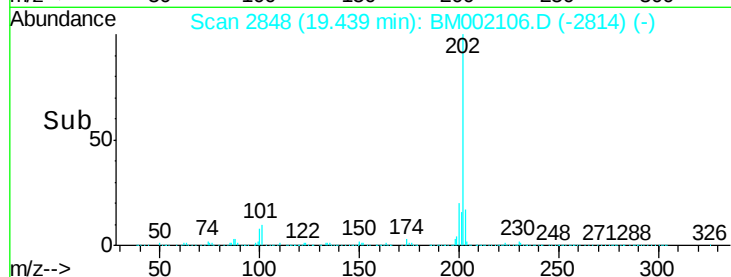
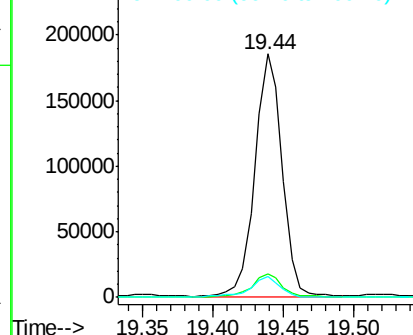
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.8	7.4	11.2
100	8.5	6.3	9.5

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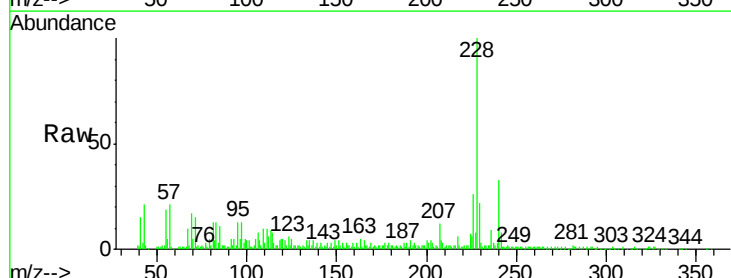


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

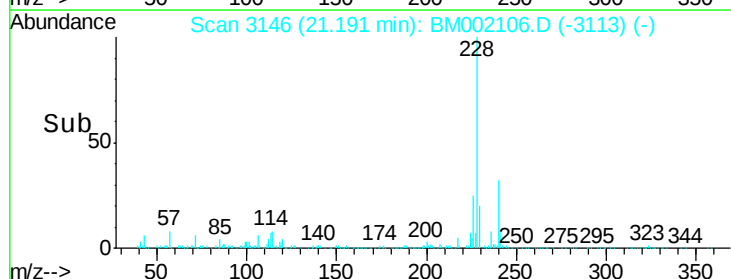
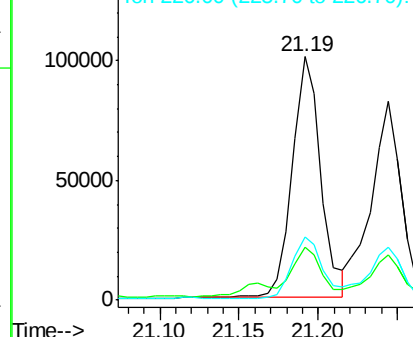


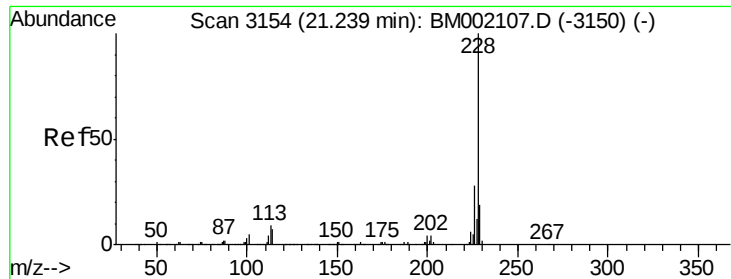
#83
Benzo(a)anthracene
Concen: 7.57 ng/ul
RT: 21.19 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	21.7	15.4	23.2
226	26.2	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





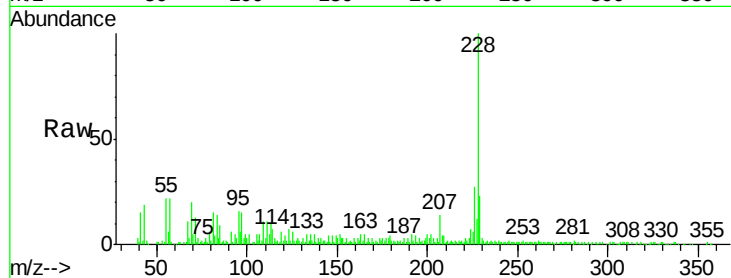
#85
Chrysene
Concen: 7.17 ng/ul
RT: 21.24 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
BNA_M
ClientSampled :
C01X5

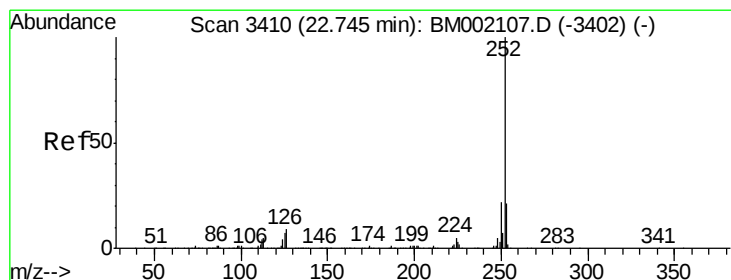
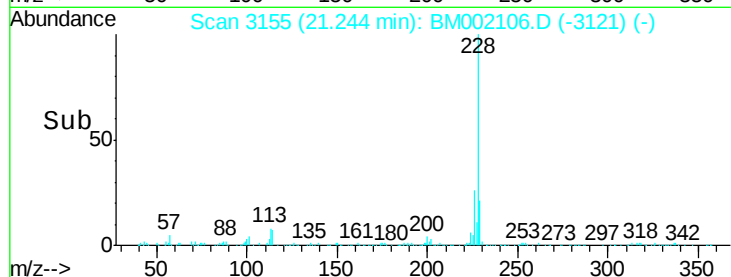
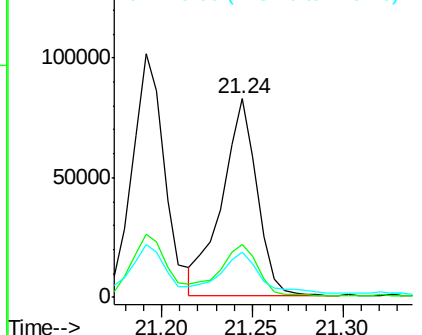
Tot Ion:	228	Resp:	111178
Ion Ratio		Lower	Upper
228	100		
226	26.6	22.3	33.5
229	22.8	15.5	23.3

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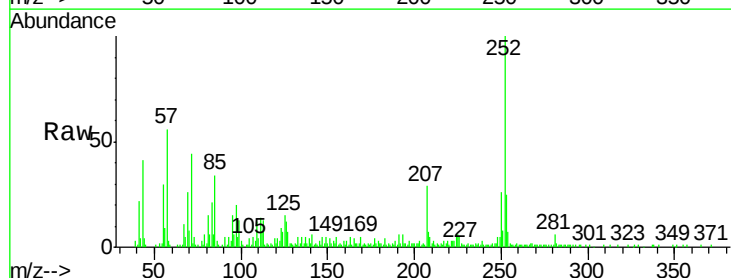


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

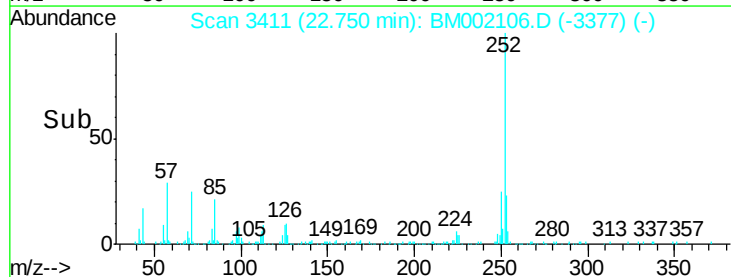
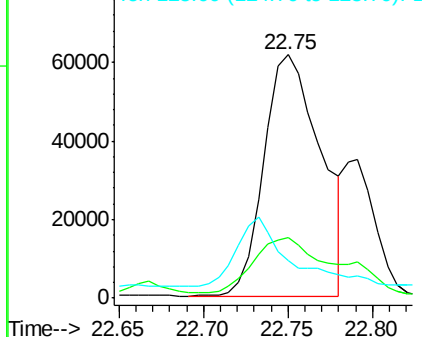


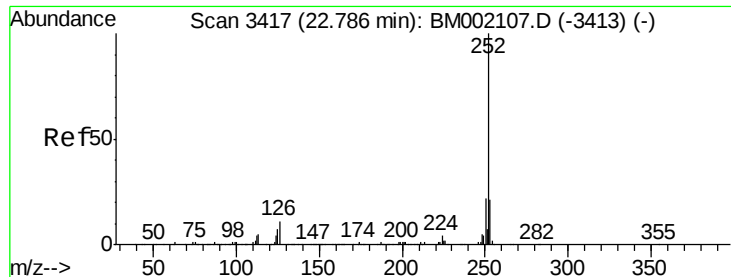
#88
Benzo(b)fluoranthene
Concen: 8.49 ng/ul
RT: 22.75 min Scan# 3411
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Tgt Ion:	252	Resp:	143854
Ion Ratio		Lower	Upper
252	100		
253	24.8	16.9	25.3
125	15.2	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





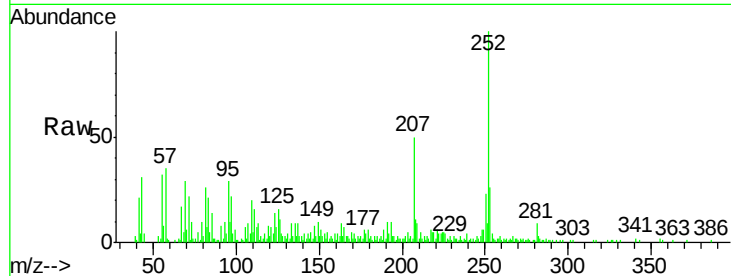
#89
Benzo(k)fluoranthene
Concen: 2.76 ng/ul m
RT: 22.79 min Scan# 3418
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

Instrument :
BNA_M
ClientSampleId :
C01X5

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.4	26.0#
125	15.8	6.2	9.4#

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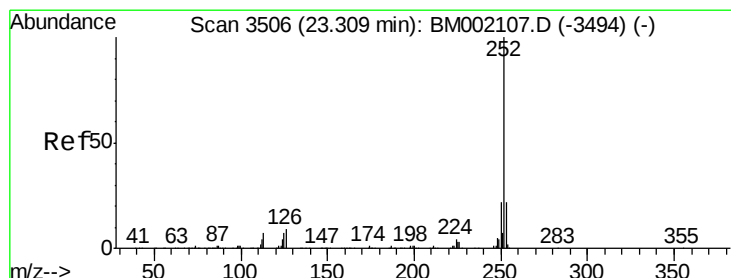
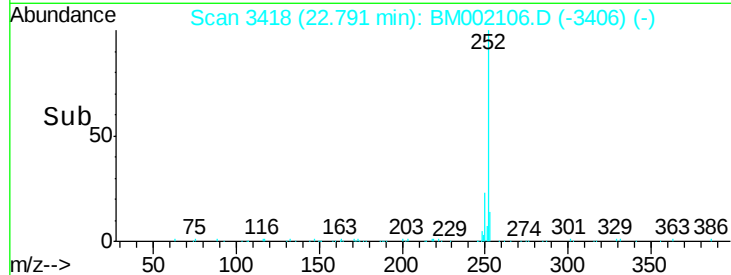
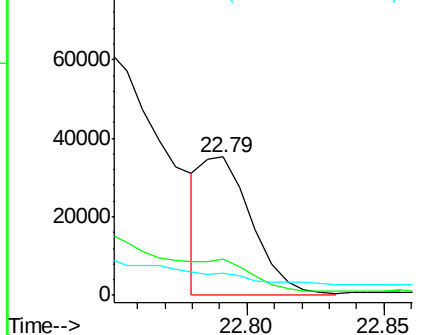


Abundance

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



#91
Benzo(a)pyrene
Concen: 6.41 ng/ul
RT: 23.31 min Scan# 3507
Delta R.T. -0.00 min
Lab File: BM002106.D
Acq: 28 Jul 2015 22:36

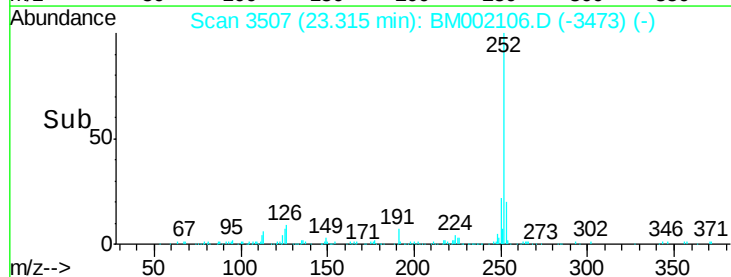
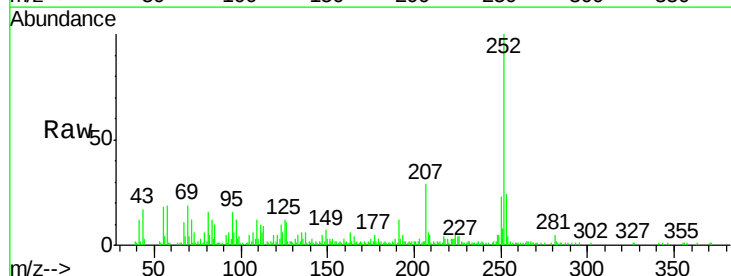
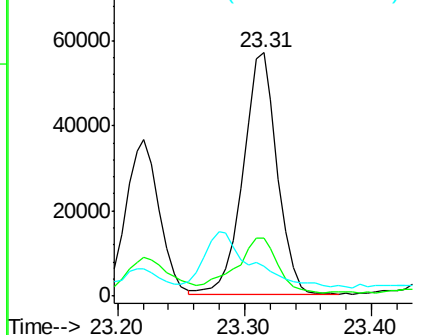
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	12.3	6.6	10.0#

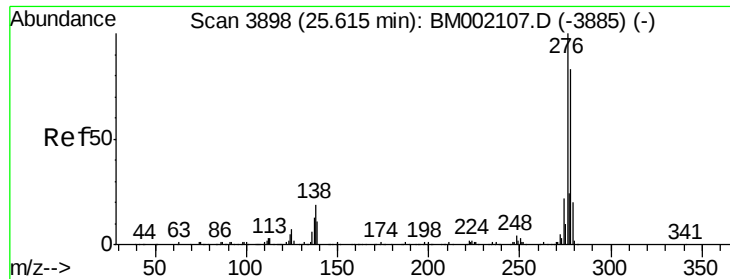
Abundance

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





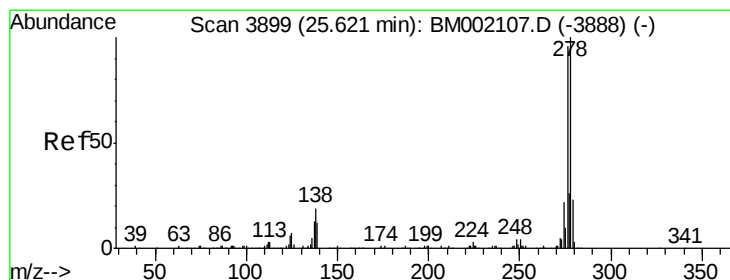
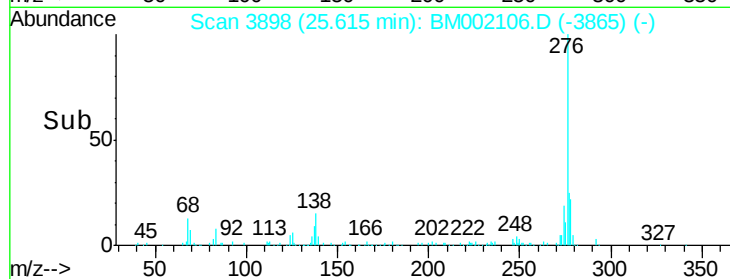
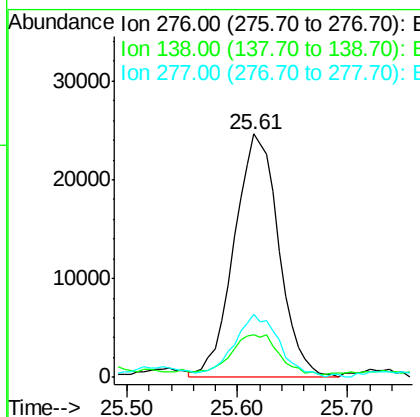
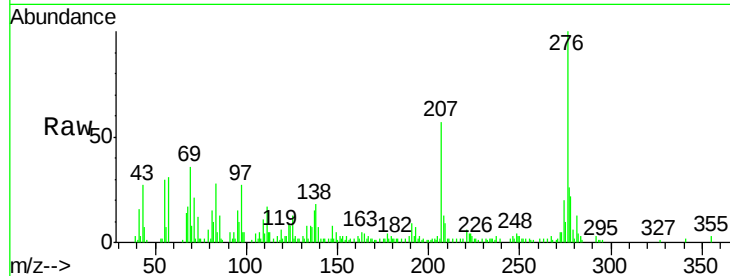
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 3.71 ng/ul
 RT: 25.61 min Scan# 3898
 Delta R.T. -0.01 min
 Lab File: BM002106.D
 Acq: 28 Jul 2015 22:36

Instrument :
 BNA_M
 ClientSampleId :
 C01X5

Tot Ion:	276	Resp:	69997
Ion Ratio	Lower	Upper	
276	100		
138	17.6	16.2	24.2
277	26.1	19.8	29.8

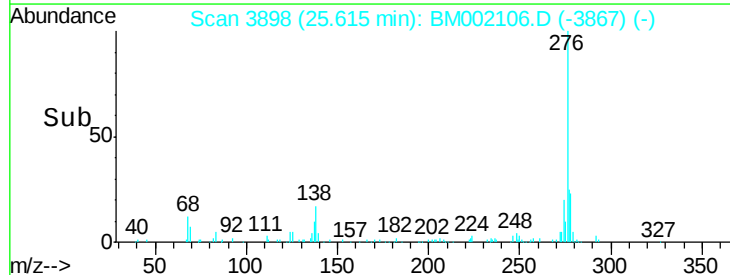
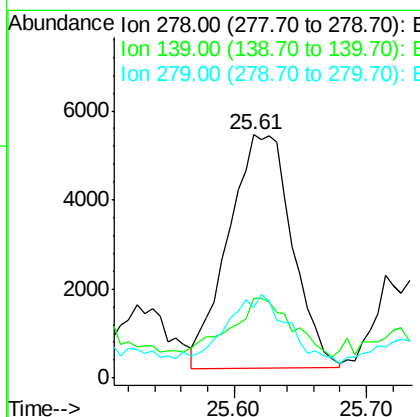
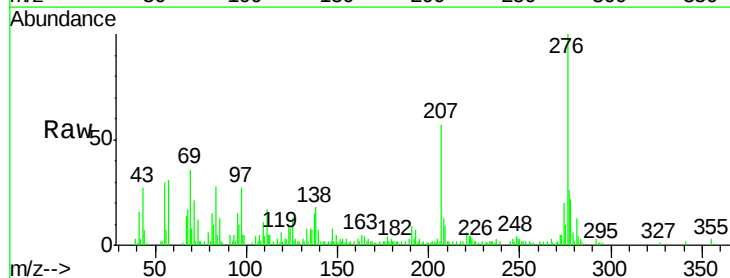
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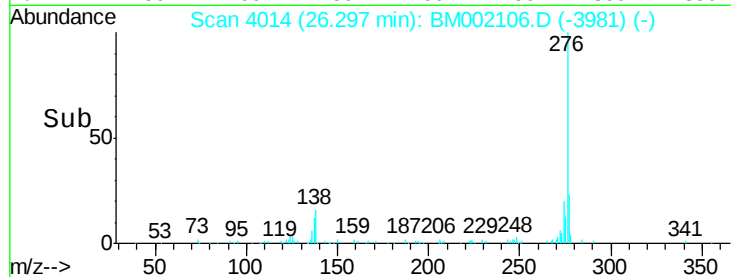
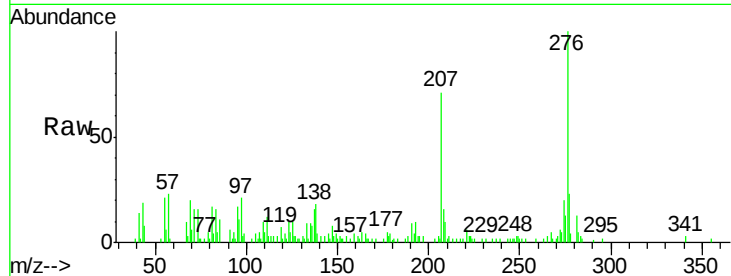
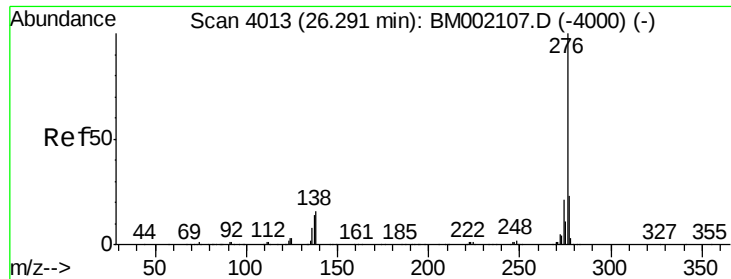
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#93
 Dibenzo(a,h)anthracene
 Concen: 1.09 ng/ul m
 RT: 25.61 min Scan# 3898
 Delta R.T. -0.02 min
 Lab File: BM002106.D
 Acq: 28 Jul 2015 22:36

Tgt Ion:	278	Resp:	17526
Ion Ratio	Lower	Upper	
278	100		
139	33.0	10.6	16.0#
279	28.9	18.5	27.7#





#94
 Benzo(a,h,i)perylene
 Concen: 4.08 ng/ul
 RT: 26.30 min Scan# 4014
 Delta R.T. -0.01 min
 Lab File: BM002106.D
 Acq: 28 Jul 2015 22:36

Tot Ion:	276	Resp:	64514
Ion Ratio	Lower	Upper	
276	100		
138	18.0	13.8	20.6
277	23.3	18.2	27.2

Instrument :
 BNA_M
 ClientSampleId :
 C01X5

Manual Integrations
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