

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
 Data File : BM002117.D
 Acq On : 29 Jul 2015 05:53
 Operator : TP/UM
 Sample : G3030-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02E6

Manual Integrations
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 7/30/2015 7:49:19 AM

Quant Time: Jul 29 07:28:53 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	65173	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	262881	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.26	164	156394	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.01	188	356816	20.00	ng/ul	0.00
78) Chrysene-d12	21.21	240	408789	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	421449	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.06	96	3628	2.88	ng/uL	0.00
5) Phenol-d5	6.78	99	82246	17.65	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	42887	16.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	69667	17.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	62510	16.88	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	31312	16.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	29928	14.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	72254	18.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	68760	15.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.67	166	208255	18.18	ng/ul	0.00
47) Acenaphthylene-d8	13.95	160	239424	16.71	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	25766	13.48	ng/ul	0.01
58) Fluorene-d10	15.26	176	165671	16.44	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	3274	1.50	ng/ul	0.00
71) Anthracene-d10	17.11	188	263053	16.52	ng/ul	0.00
79) Pyrene-d10	19.42	212	268768	15.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.27	264	285230	13.96	ng/ul	0.01

Target Compounds

						Ovalue
45) Dimethylphthalate	13.72	163	89701	7.84	ng/ul	99
50) Acenaphthene	14.33	153	16302	1.68	ng/ul	95
59) Fluorene	15.32	166	21908	1.91	ng/ul	98
70) Phenanthrene	17.06	178	304100	16.45	ng/ul	99
72) Anthracene	17.15	178	89212	4.72	ng/ul	98
75) Carbazole	17.42	167	24247	1.50	ng/ul	98
76) Di-n-butylphthalate	17.98	149	60123	3.12	ng/ul	97
77) Fluoranthene	19.08	202	542073	25.40	ng/ul	99
80) Pyrene	19.44	202	449058	20.19	ng/ul	100
83) Benzo(a)anthracene	21.20	228	262848	11.60	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	21.12	149	59430	4.57	ng/ul	98
85) Chrysene	21.24	228	261774	12.35	ng/ul	98
88) Benzo(b)fluoranthene	22.76	252	367141	15.50	ng/ul#	96
89) Benzo(k)fluoranthene	22.79	252	107589m	4.71	ng/ul	
91) Benzo(a)pyrene	23.32	252	236458	10.34	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.63	276	177154	6.73	ng/ul	96
93) Dibenzo(a,h)anthracene	25.64	278	47788	2.12	ng/ul#	88
94) Benzo(g,h,i)perylene	26.31	276	158583	7.18	ng/ul	97

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

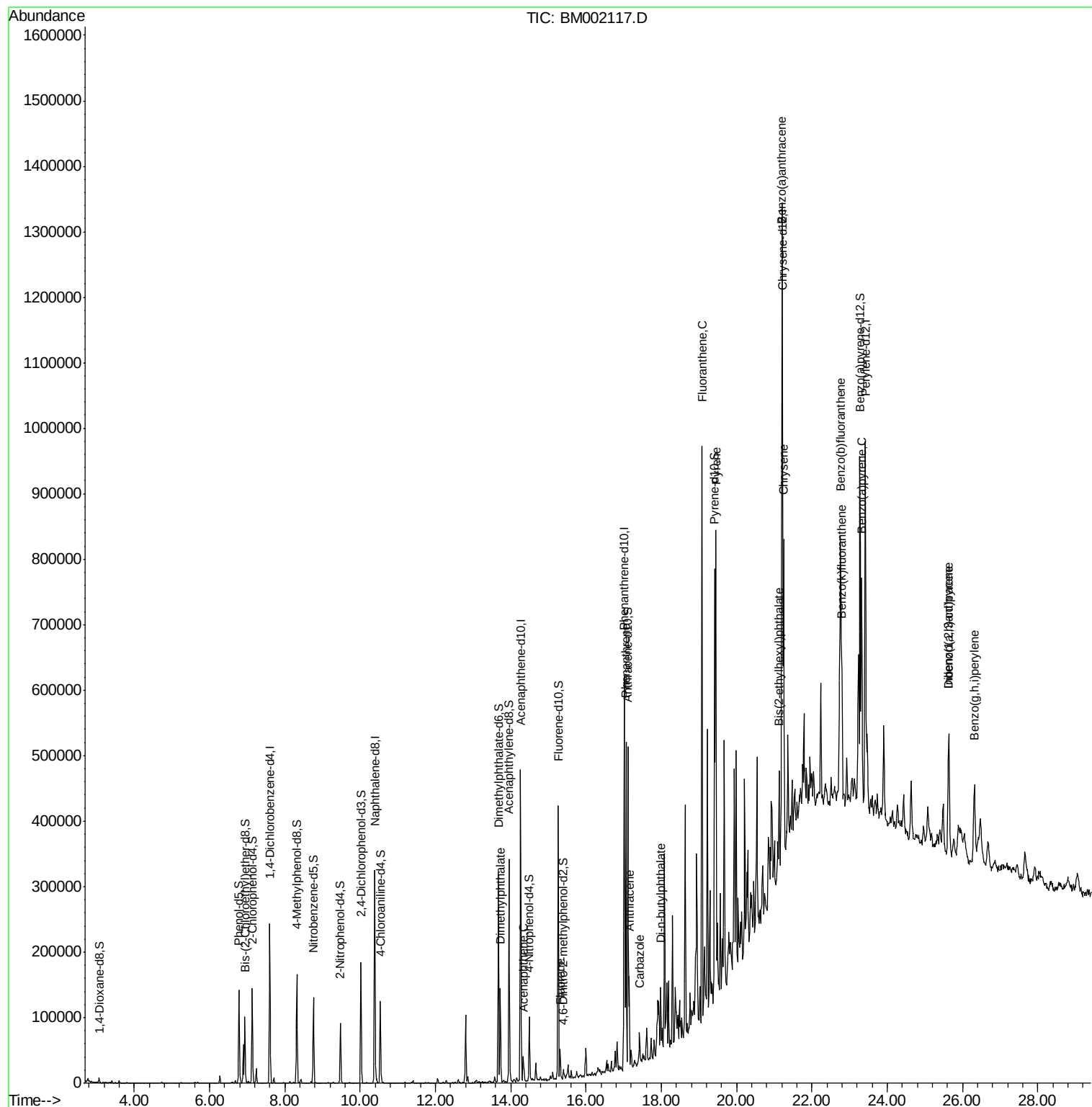
Data Path : Z:\HPCHEM1\BNA M\DATA\BM072815\
Data File : BM002117.D
Acq On : 29 Jul 2015 05:53
Operator : TP/UM
Sample : G3030-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

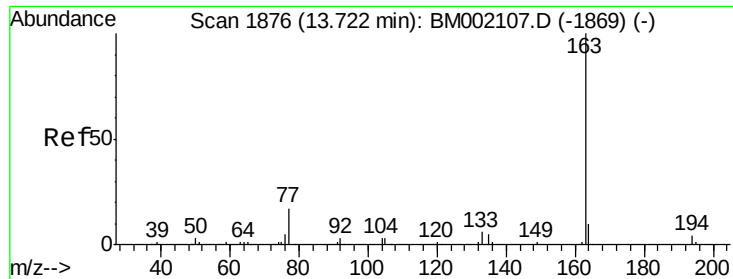
Instrument :
BNA_M
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Quant Time: Jul 29 07:28:53 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:50:38 2015
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 7.84 ng/ul

RT: 13.72 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

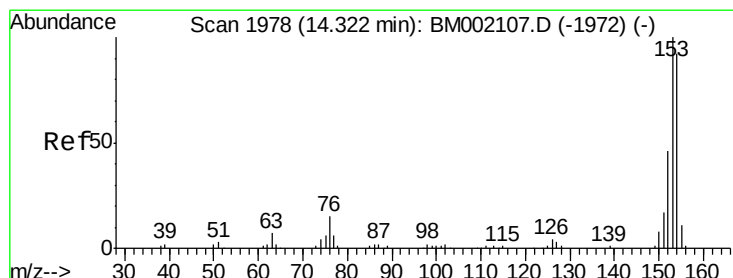
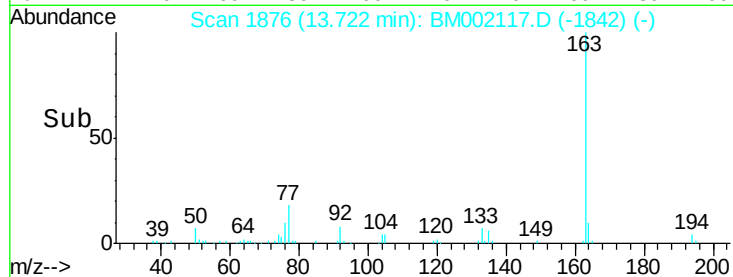
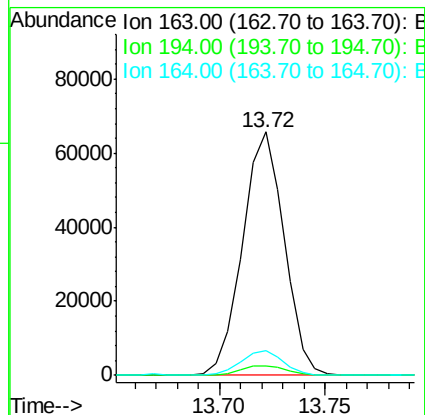
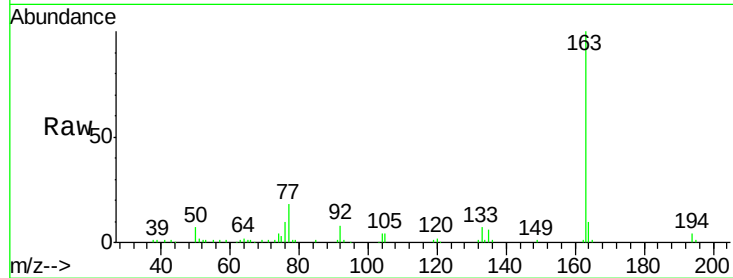
ClientSampleId :

C02E6

Tot Ion:	163	Resp:	89701
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.5	5.3
164	10.2	8.0	12.0

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#50

Acenaphthene

Concen: 1.68 ng/ul

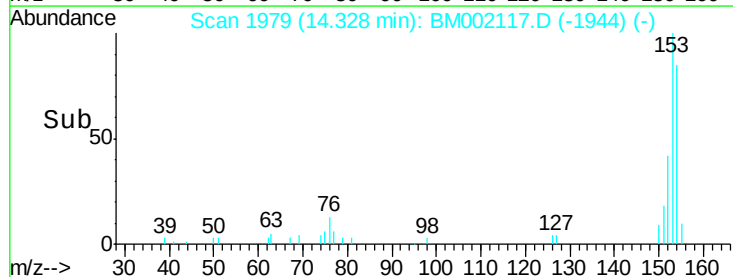
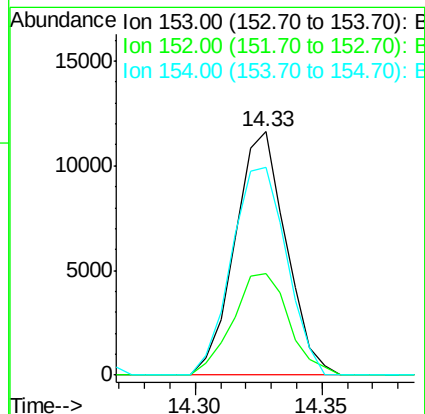
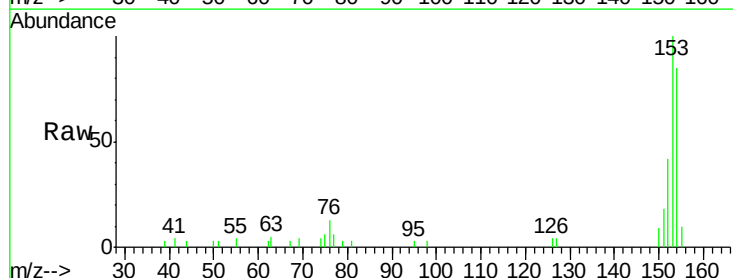
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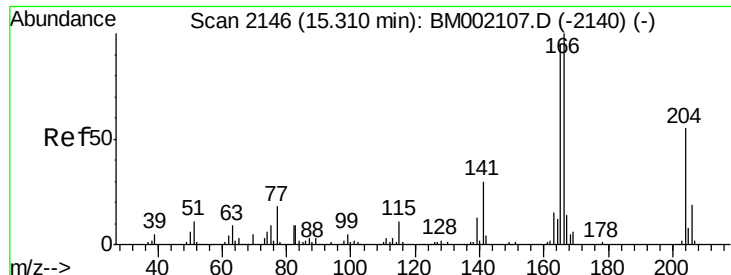
Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Tgt Ion:	153	Resp:	16302
Ion Ratio	Lower	Upper	
153	100		
152	41.9	37.3	55.9
154	85.2	71.4	107.2





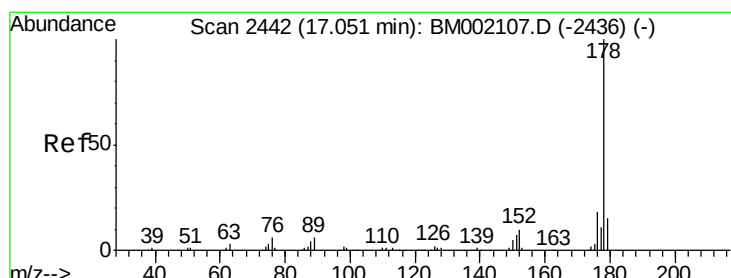
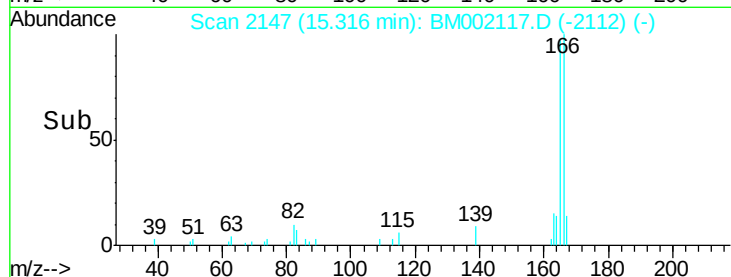
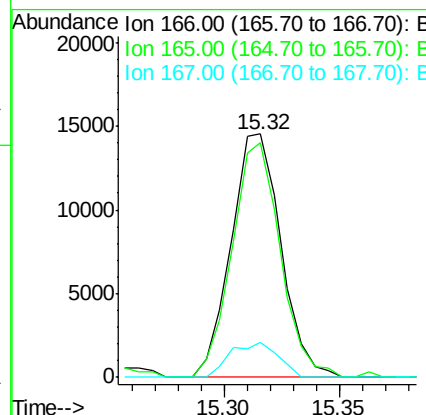
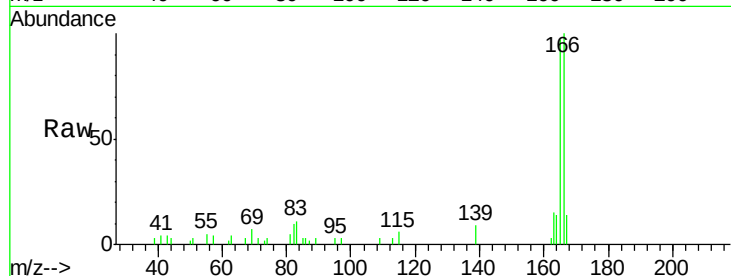
#59
 Fluorene
 Concen: 1.91 ng/ul
 RT: 15.32 min Scan# 2147
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Instrument :
 BNA_M
 ClientSampleId :
 C02E6

Tot Ion	Ratio	Resp	Lower	Upper
166	100	21908		
165	96.6		75.6	113.4
167	14.5		10.5	15.7

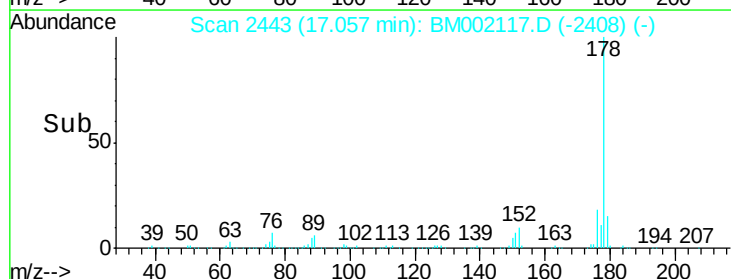
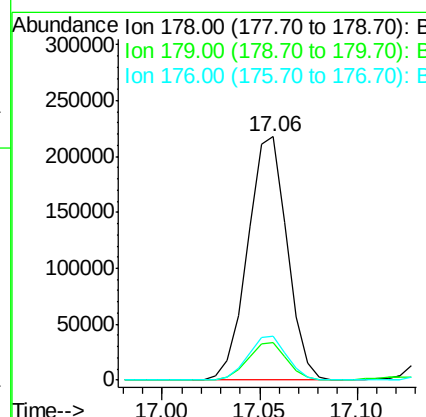
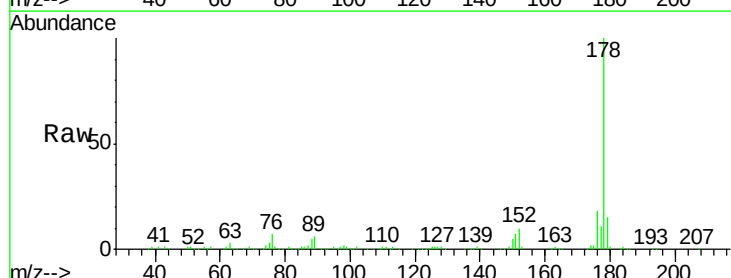
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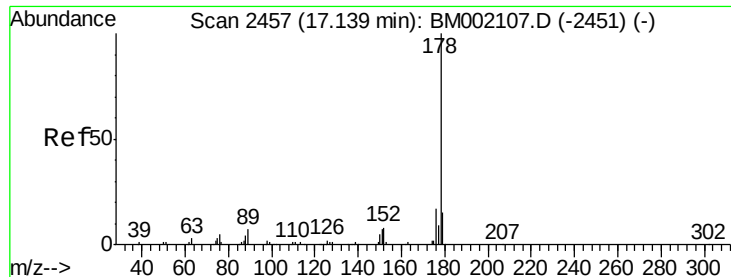
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#70
 Phenanthrene
 Concen: 16.45 ng/ul
 RT: 17.06 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	304100		
179	15.3		12.5	18.7
176	18.3		14.2	21.4





#72

Anthracene

Concen: 4.72 ng/ul

RT: 17.15 min Scan# 2458

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

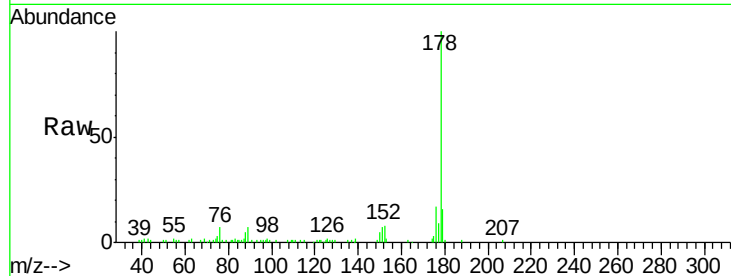
ClientSampleId :

C02E6

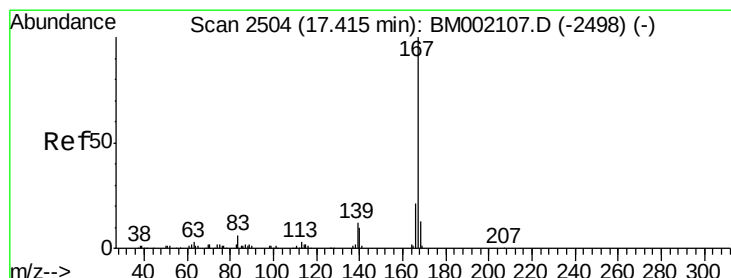
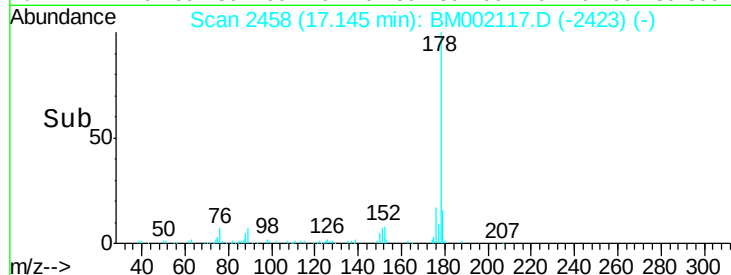
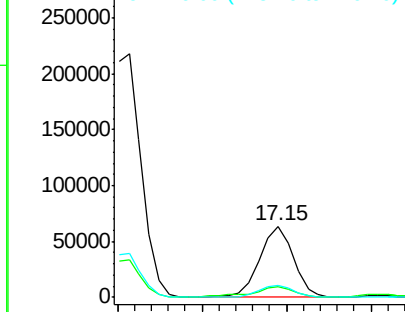
Tot Ion:	178	Resp:	89212
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.1	18.1
176	16.8	14.1	21.1

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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



#75

Carbazole

Concen: 1.50 ng/ul

RT: 17.42 min Scan# 2505

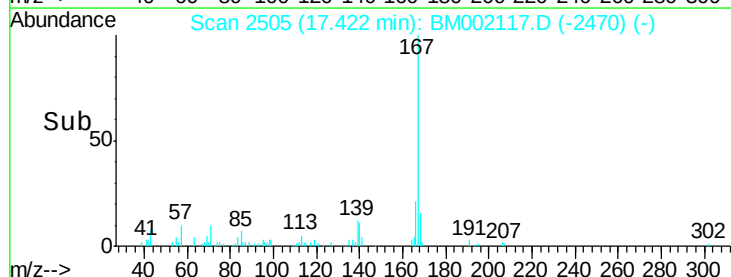
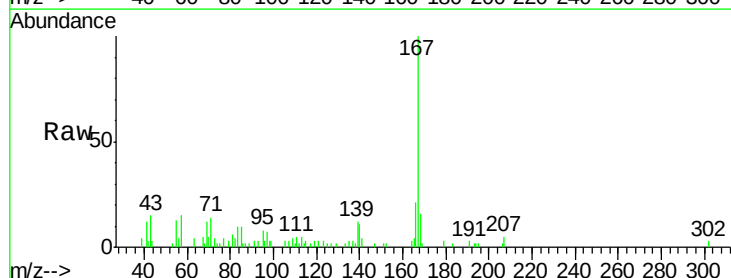
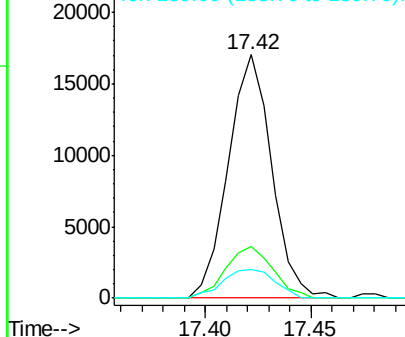
Delta R.T. 0.01 min

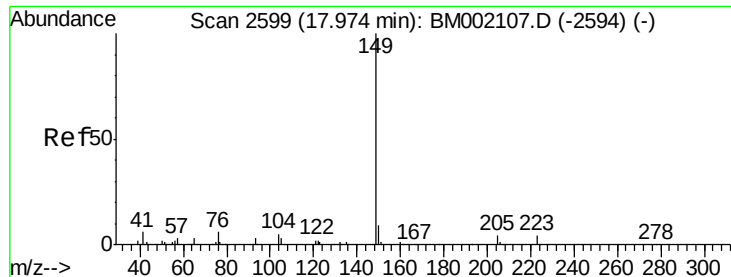
Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Tgt Ion:	167	Resp:	24247
Ion Ratio	Lower	Upper	
167	100		
166	21.4	16.2	24.4
139	11.8	9.6	14.4

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





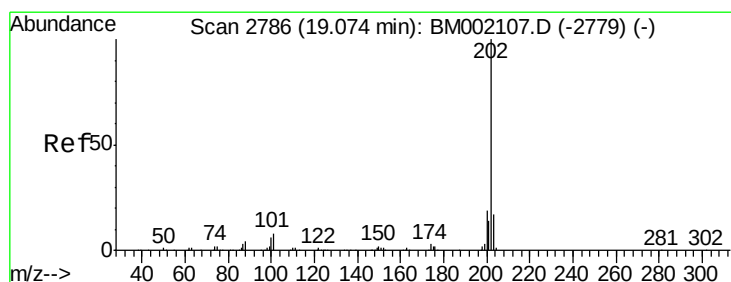
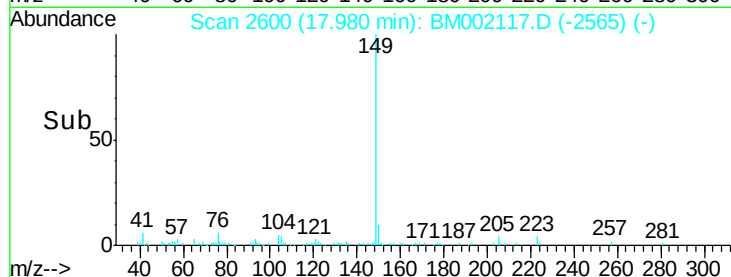
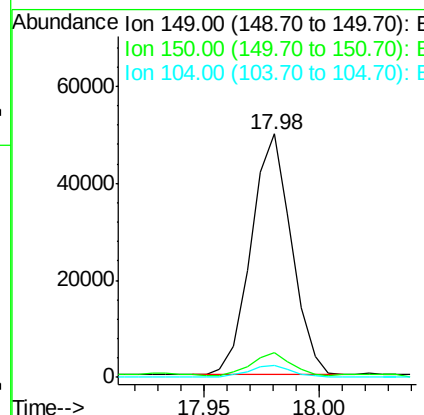
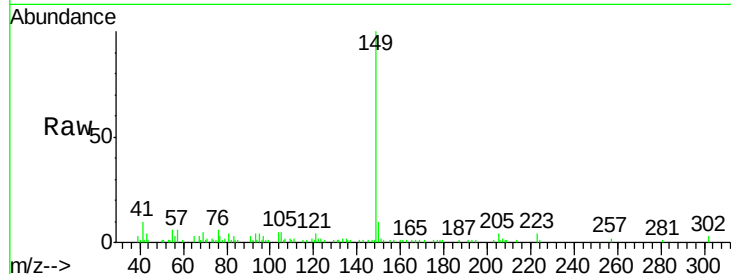
#76
Di-n-butylphthalate
Concen: 3.12 ng/ul
RT: 17.98 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Instrument :
BNA_M
ClientSampleId :
C02E6

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.2	7.0	10.4
104	4.8	4.2	6.2

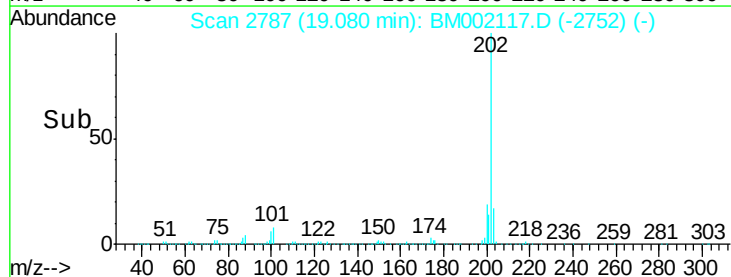
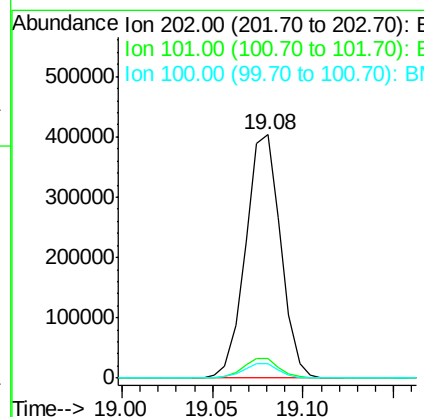
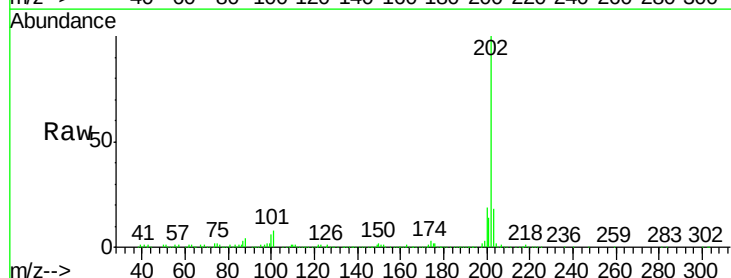
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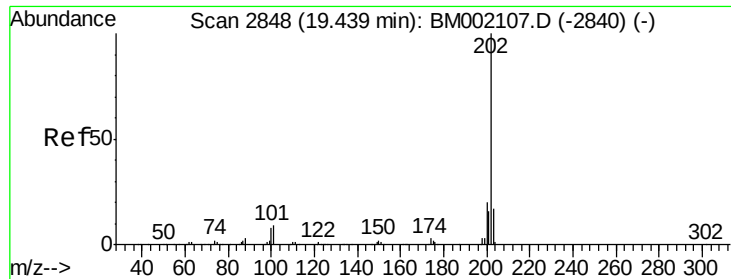
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#77
Fluoranthene
Concen: 25.40 ng/ul
RT: 19.08 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	6.2	9.4
100	6.0	5.2	7.8





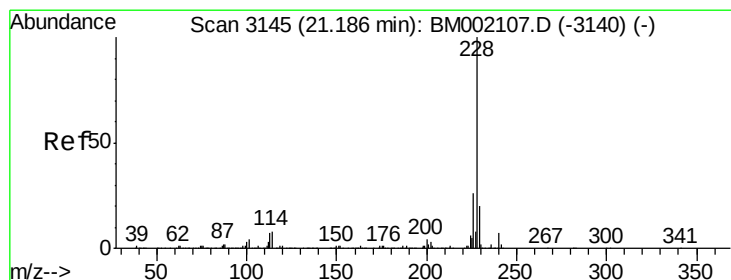
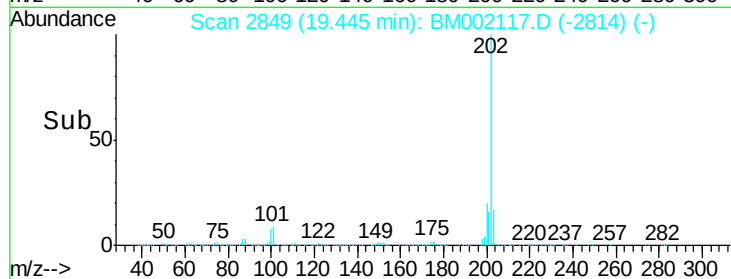
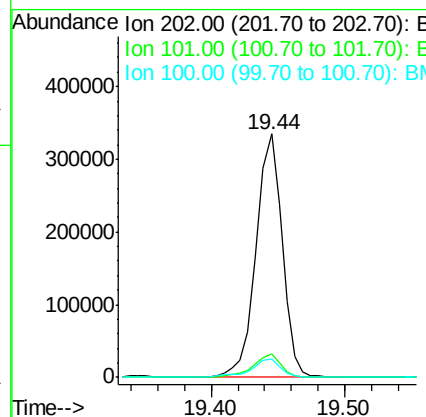
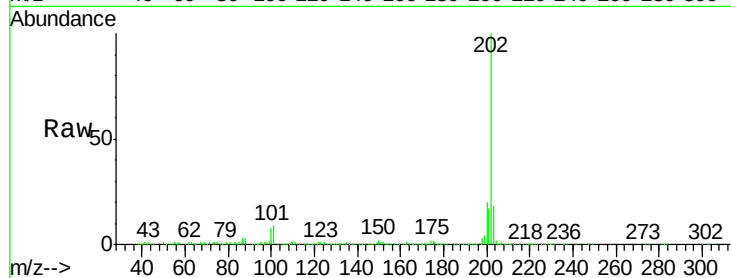
#80
Pvrene
Concen: 20.19 ng/ul
RT: 19.44 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Instrument :
BNA_M
ClientSampleId :
C02E6

Tot Ion:	202	Resp:	449058
Ion Ratio	Lower	Upper	
202	100		
101	9.5	7.4	11.2
100	7.8	6.3	9.5

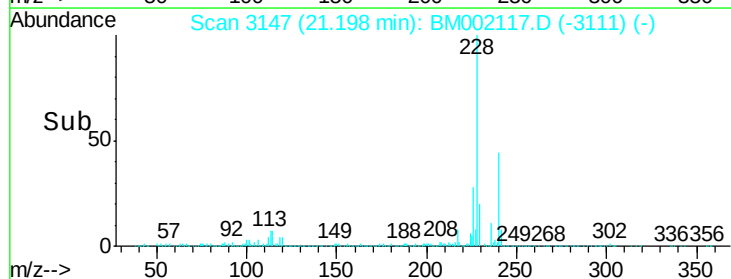
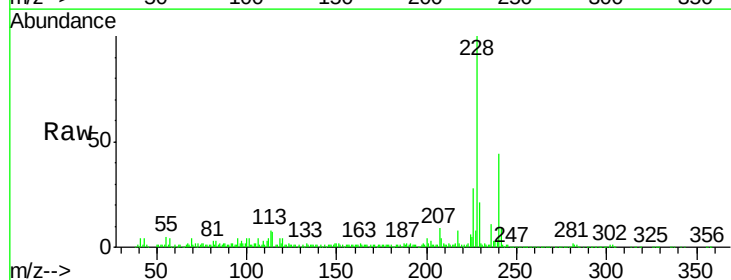
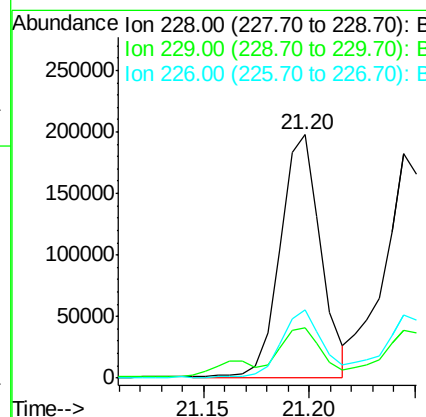
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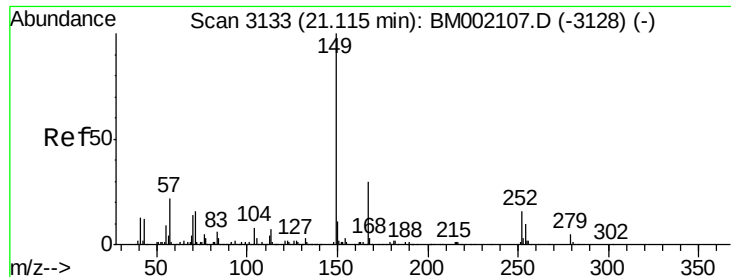
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#83
Benzo(a)anthracene
Concen: 11.60 ng/ul
RT: 21.20 min Scan# 3147
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Tgt Ion:	228	Resp:	262848
Ion Ratio	Lower	Upper	
228	100		
229	20.8	15.4	23.2
226	28.0	20.5	30.7





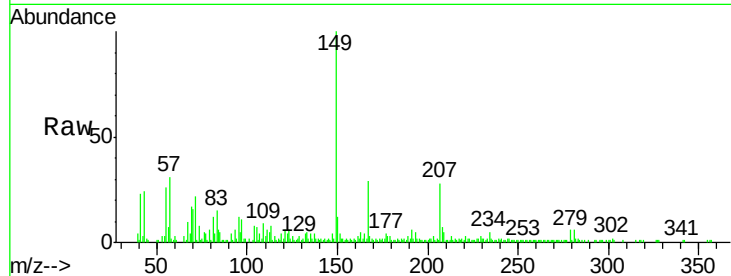
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 Bis(2-ethylhexyl)phthalate
 Concen: 4.57 ng/ul
 RT: 21.12 min Scan# 3134
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Instrument :
 BNA_M
 ClientSampleId :
 C02E6

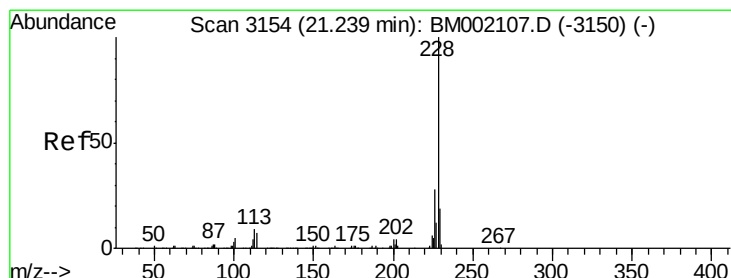
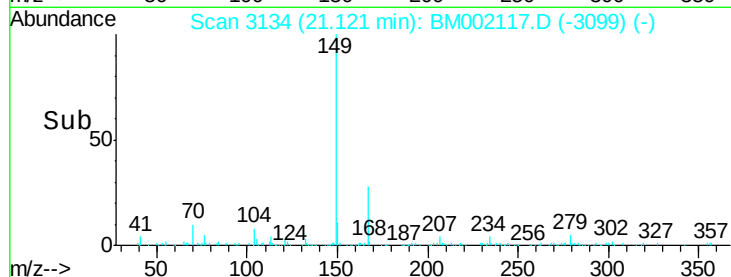
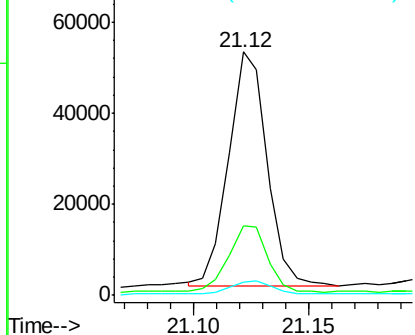
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.6	35.4
279	5.6	4.2	6.4

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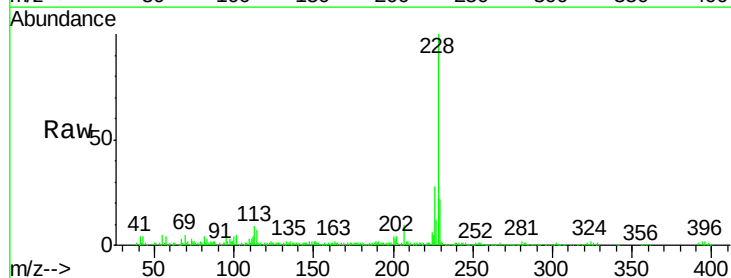


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

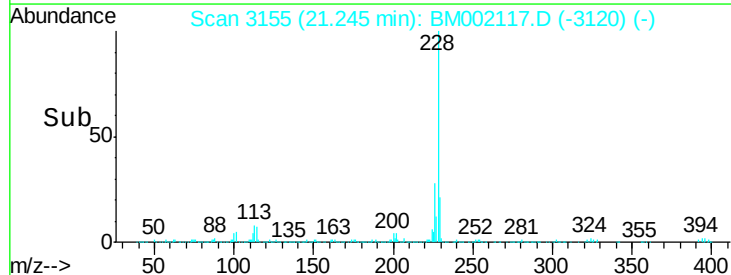
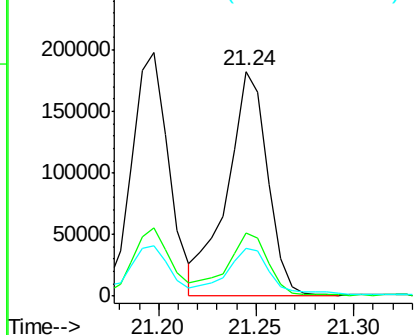


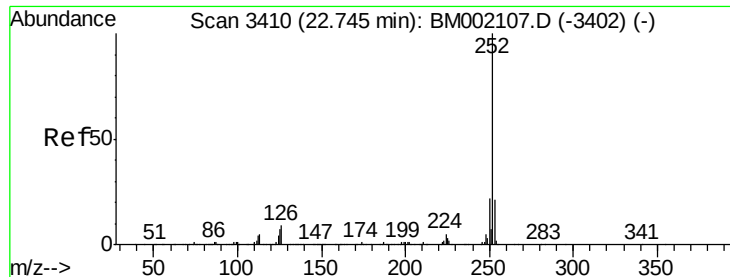
#85
 Chrysene
 Concen: 12.35 ng/ul
 RT: 21.24 min Scan# 3155
 Delta R.T. 0.01 min
 Lab File: BM002117.D
 Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
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





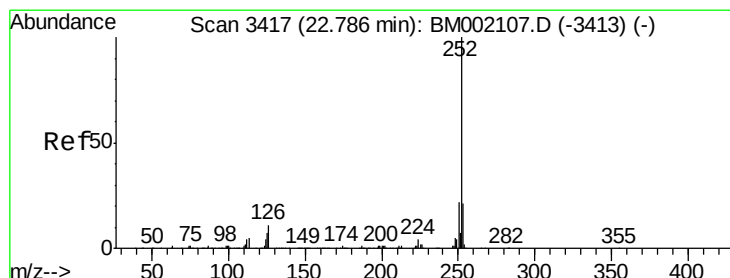
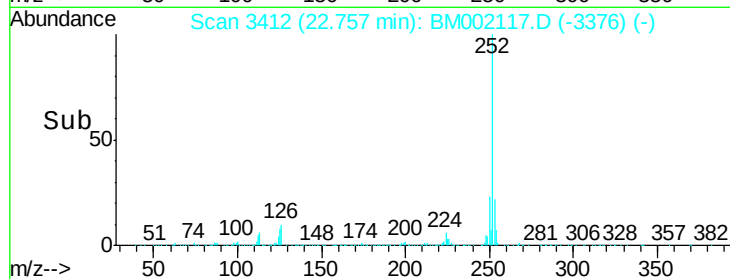
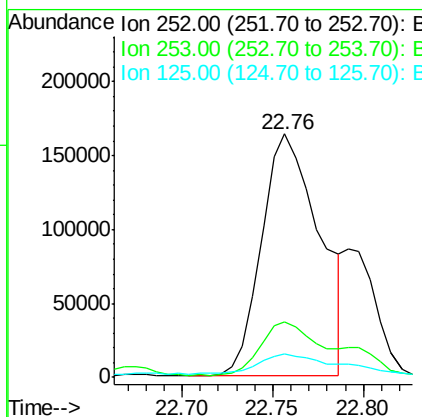
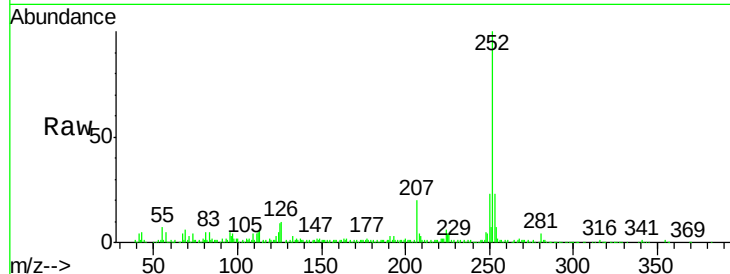
#88
Benzo(b)fluoranthene
Concen: 15.50 ng/ul
RT: 22.76 min Scan# 3412
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Instrument :
BNA_M
ClientSampled :
C02E6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.9	25.3
125	9.5	6.2	9.2#

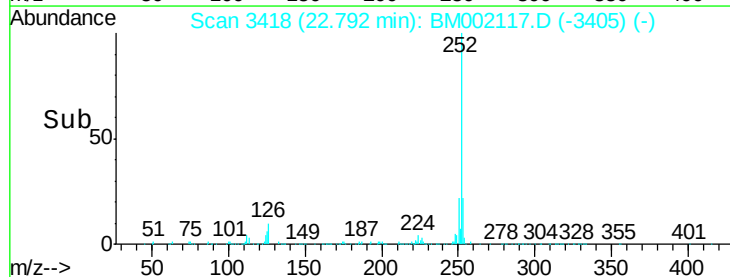
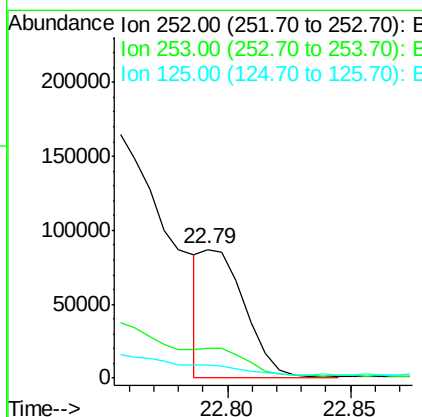
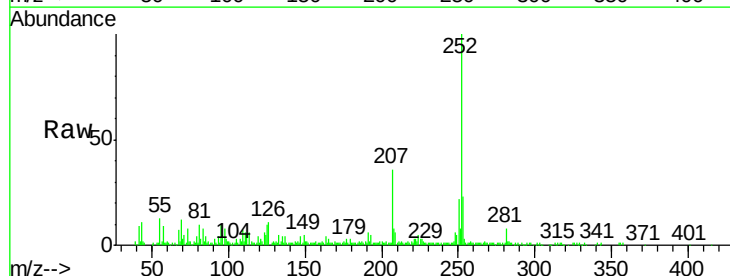
Manual Integrations
APPROVED

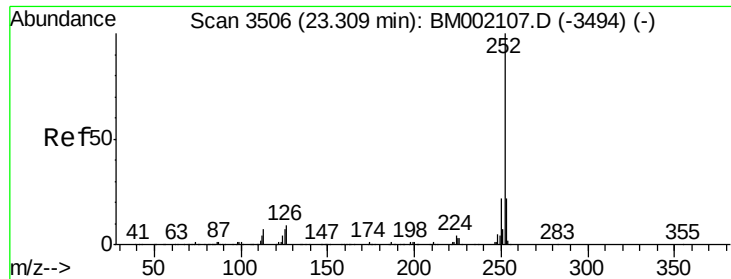
apatel
7/30/2015 7:49:19 AM



#89
Benzo(k)fluoranthene
Concen: 4.71 ng/ul m
RT: 22.79 min Scan# 3418
Delta R.T. 0.01 min
Lab File: BM002117.D
Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	9.9	6.2	9.4#





#91

Benzo(a)pyrene

Concen: 10.34 ng/ul

RT: 23.32 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

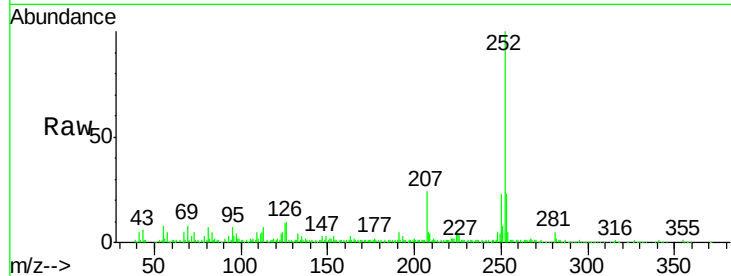
ClientSampled :

C02E6

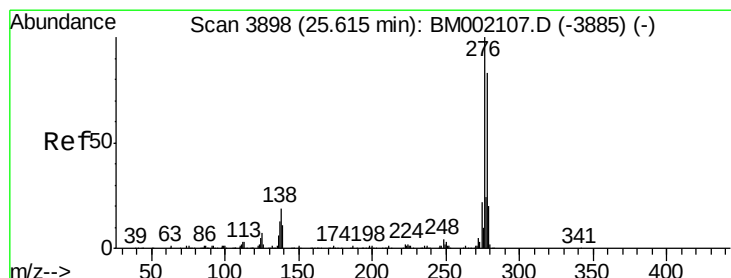
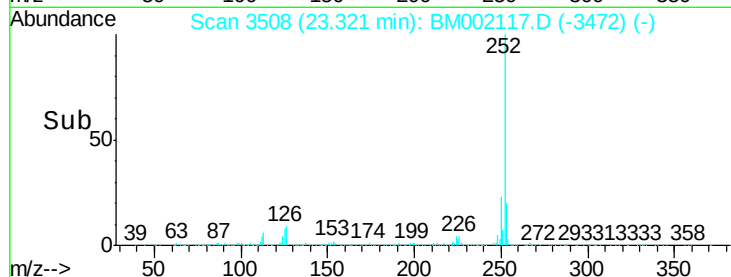
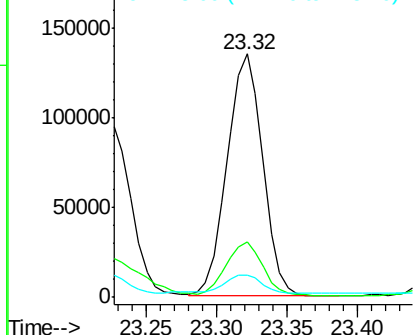
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	9.2	6.6	10.0

Manual Integrations
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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: 6.73 ng/ul

RT: 25.63 min Scan# 3900

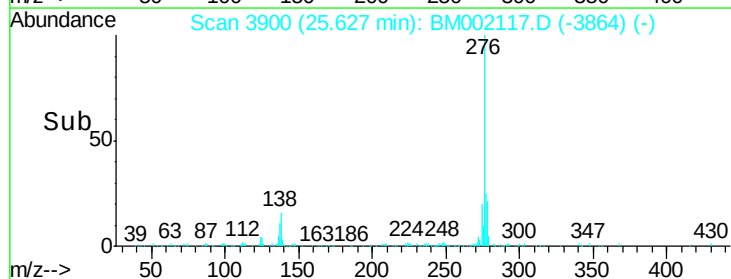
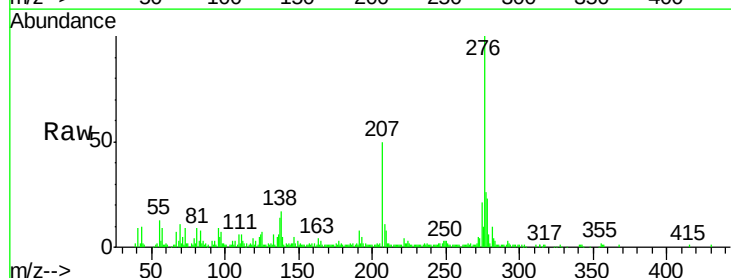
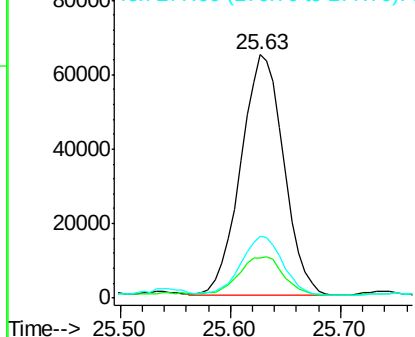
Delta R.T. 0.01 min

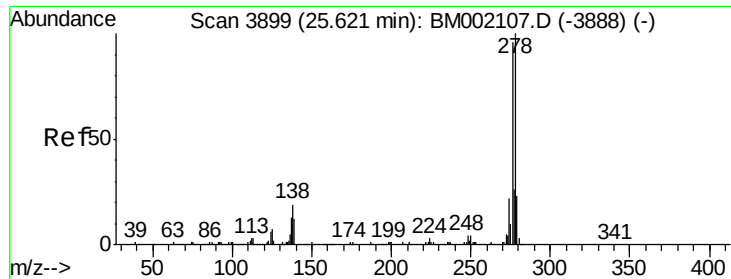
Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	16.2	24.2
277	25.5	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: 2.12 ng/ul

RT: 25.64 min Scan# 3902

Delta R.T. 0.02 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

Instrument :

BNA_M

ClientSampleId :

C02E6

Tot Ion:278 Resp: 47788

Ion Ratio Lower Upper

278 100

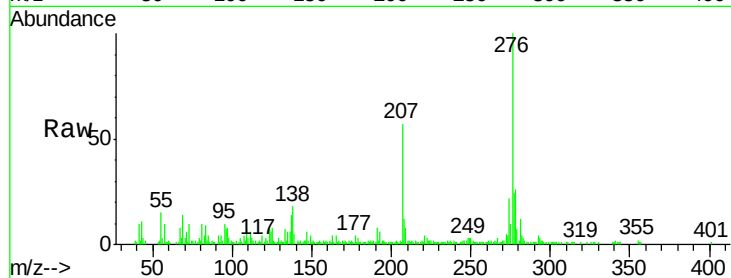
139 19.5 10.6 16.0#

279 28.1 18.5 27.7#

Manual Integrations
APPROVED

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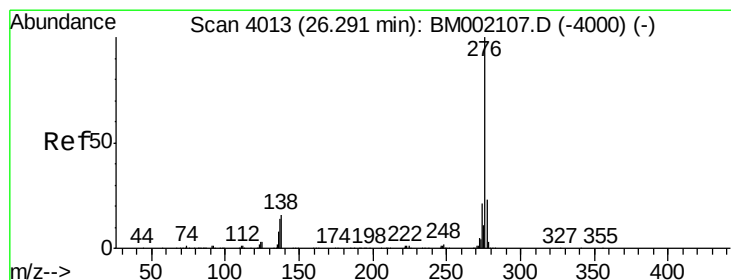
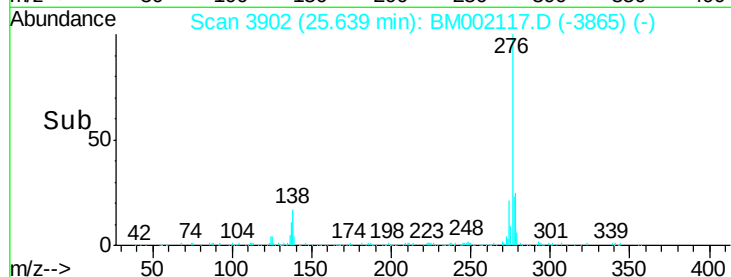
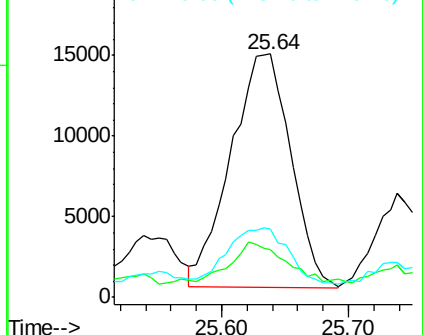
7/30/2015 7:49:19 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 7.18 ng/ul

RT: 26.31 min Scan# 4016

Delta R.T. 0.02 min

Lab File: BM002117.D

Acq: 29 Jul 2015 05:53

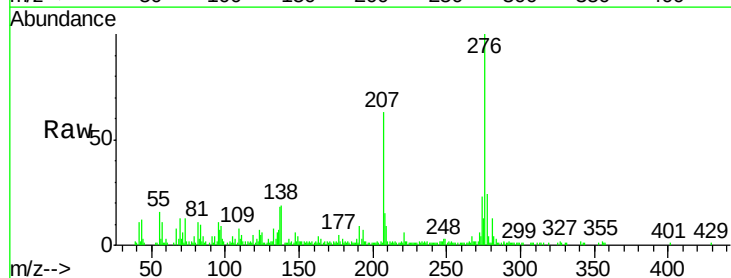
Tgt Ion:276 Resp: 158583

Ion Ratio Lower Upper

276 100

138 18.9 13.8 20.6

277 23.7 18.2 27.2



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

