

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060717\
 Data File : BM010436.D
 Acq On : 07 Jun 2017 16:39
 Operator : SJ/MA
 Sample : I3446-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BDC48

Manual Integrations
 APPROVED

mohammad
 6/8/2017 11:16:31 AM

Quant Time: Jun 08 10:58:25 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 08 01:22:27 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	252194	20.00	ng/ul	0.00
18) Naphthalene-d8	10.71	136	959834	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.54	164	666957	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1813963	20.00	ng/ul	0.00
75) Chrysene-d12	21.46	240	3308225	20.00	ng/ul	0.00
83) Perylene-d12	23.81	264	2536044	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	20395	3.32	ng/uL	0.00
5) Phenol-d5	7.09	99	357906	18.73	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.25	67	202735	18.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.45	132	314688	20.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	314267	20.38	ng/ul	-0.01
19) Nitrobenzene-d5	9.09	128	148626	21.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.80	143	180517	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.34	165	397890	23.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.87	131	309701	19.19	ng/ul	0.00
43) Dimethylphthalate-d6	13.96	166	1381874	24.94	ng/ul	0.00
46) Acenaphthylene-d8	14.24	160	1568789	24.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	173578	20.94	ng/ul	0.00
57) Fluorene-d10	15.54	176	1296988	26.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	178944	13.93	ng/ul	0.00
70) Anthracene-d10	17.39	188	2346665	26.59	ng/ul	0.00
76) Pyrene-d10	19.69	212	3571128	26.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.66	264	3004334	25.44	ng/ul	0.01

Target Compounds

					Qvalue	
6) Phenol	7.13	94	24463	1.249	ng/ul	96
28) Naphthalene	10.76	128	81146	1.686	ng/ul#	95
44) Dimethylphthalate	14.00	163	320562	5.882	ng/ul	97
49) Acenaphthene	14.61	153	441849	9.973	ng/ul	99
53) Dibenzofuran	14.94	168	344951	5.265	ng/ul	97
58) Fluorene	15.59	166	552780	10.286	ng/ul	98
69) Phenanthrene	17.34	178	12928409m	133.504	ng/ul	
71) Anthracene	17.43	178	1179850	11.671	ng/ul	97
72) Carbazole	17.72	167	1728462	20.200	ng/ul	98
74) Fluoranthene	19.34	202	20913229m	175.617	ng/ul	
77) Pyrene	19.71	202	19820336m	116.265	ng/ul	
80) Benzo(a)anthracene	21.44	228	13040279	69.900	ng/ul#	86
81) Bis(2-ethylhexyl)phthalate	21.32	149	310175	3.538	ng/ul	99
82) Chrysene	21.50	228	15784516	93.599	ng/ul#	83
85) Benzo(b)fluoranthene	23.10	252	23314652m	157.993	ng/ul	
86) Benzo(k)fluoranthene	23.14	252	7845135	55.650	ng/ul#	97
88) Benzo(a)pyrene	23.71	252	13663734	93.413	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.22	276	9832761	53.207	ng/ul	99
90) Dibenzo(a,h)anthracene	26.21	278	2236936	14.055	ng/ul#	91
91) Benzo(g,h,i)perylene	26.97	276	8183263	53.750	ng/ul	95

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

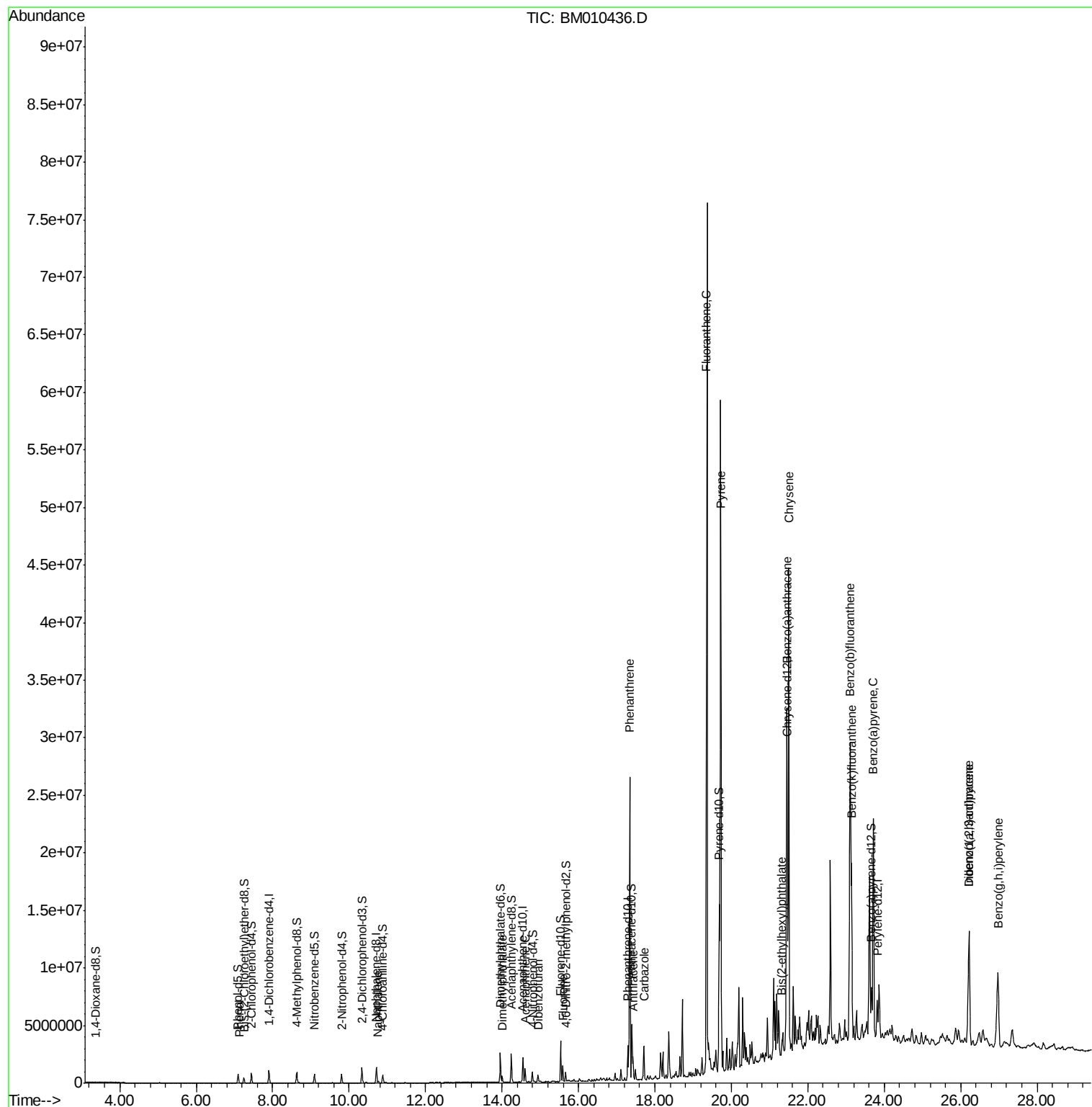
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060717\
Data File : BM010436.D
Acq On : 07 Jun 2017 16:39
Operator : SJ/MA
Sample : I3446-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

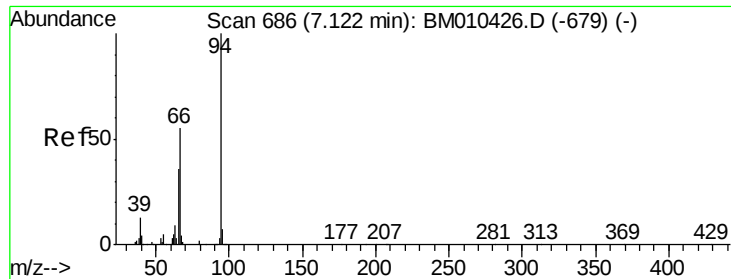
Instrument :
BNA_M
ClientSampleId :
BDC48

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Quant Time: Jun 08 10:58:25 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 08 01:22:27 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.249 ng/ul

RT: 7.13 min Scan# 687

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

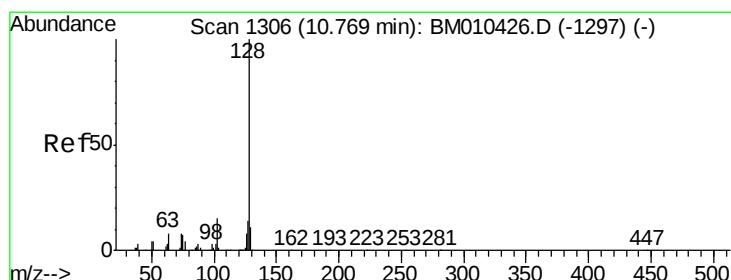
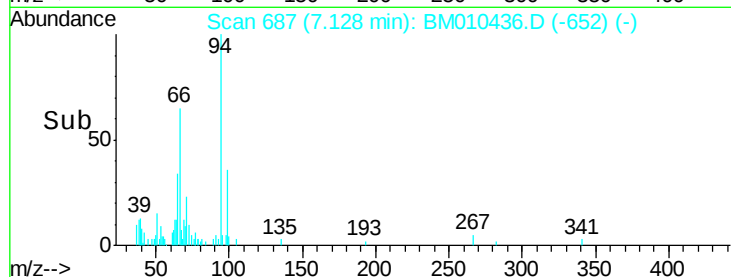
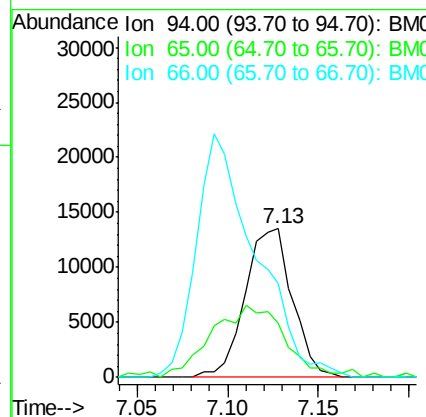
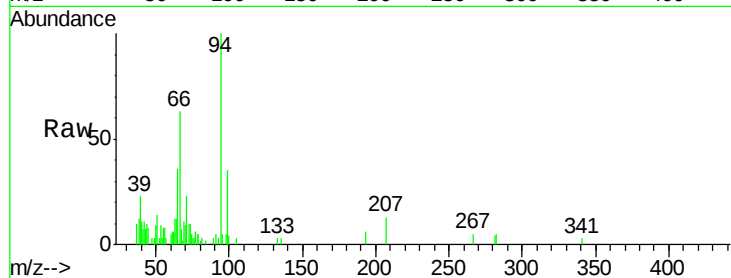
ClientSampled :

BDC48

Tgt Ion:	94	Resp:	24463
Ion	Ratio	Lower	Upper
94	100		
65	36.4	28.2	42.4
66	62.9	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 1.686 ng/ul

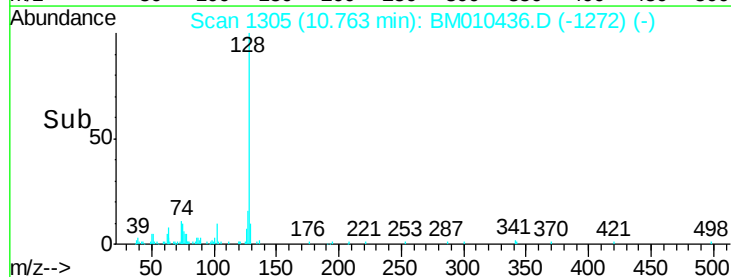
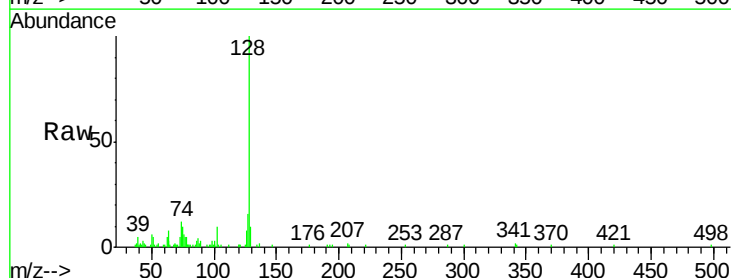
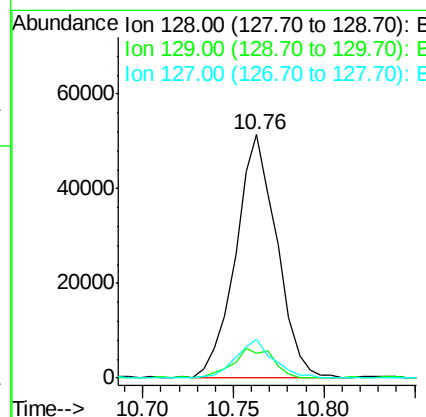
RT: 10.76 min Scan# 1305

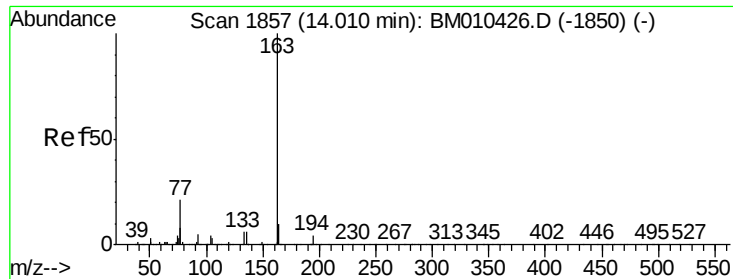
Delta R.T. -0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Tgt Ion:	128	Resp:	81146
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	16.2	10.6	16.0#





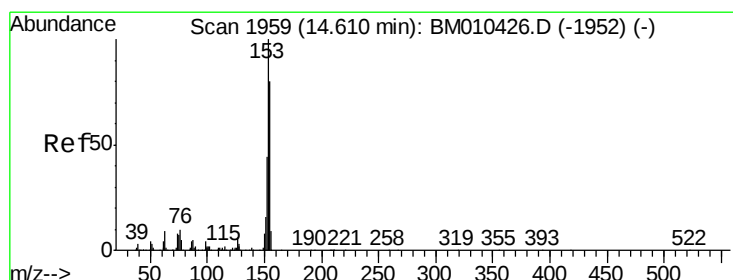
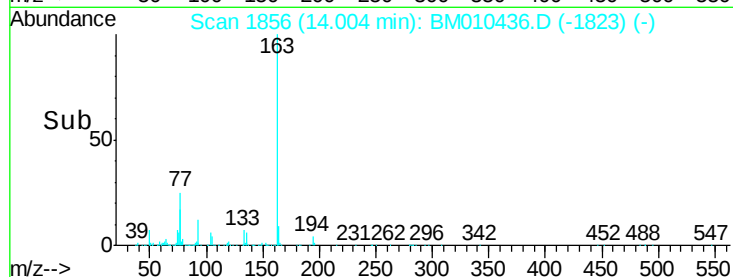
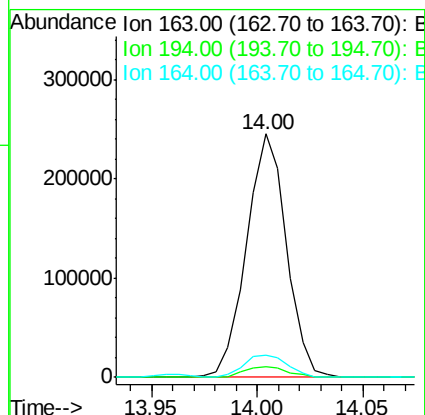
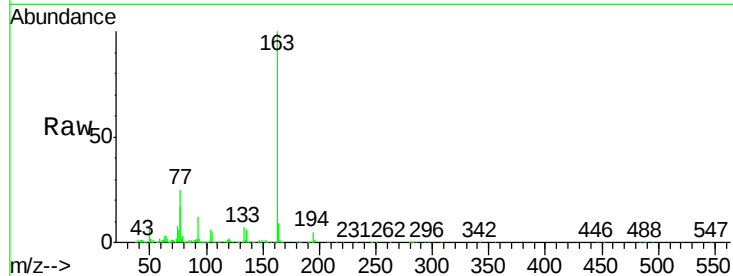
#44
Dimethylphthalate
Concen: 5.882 ng/ul
RT: 14.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Instrument :
BNA_M
ClientSampleId :
BDC48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	320562		
194	4.6	3.5	5.3	
164	9.0	8.2	12.4	

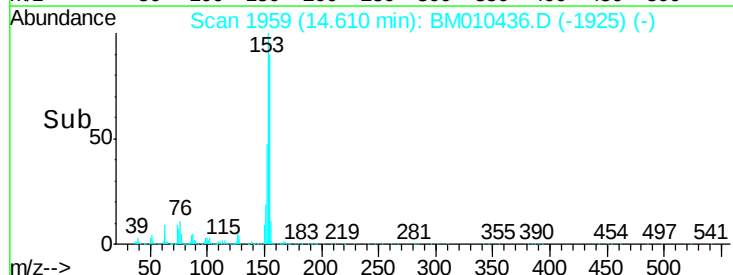
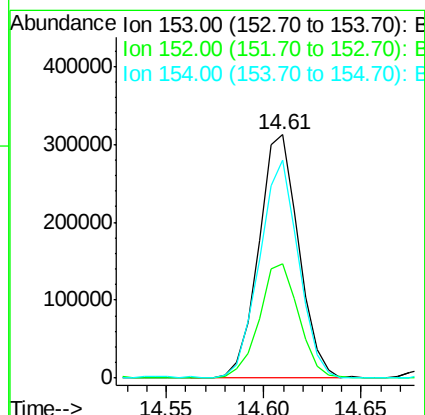
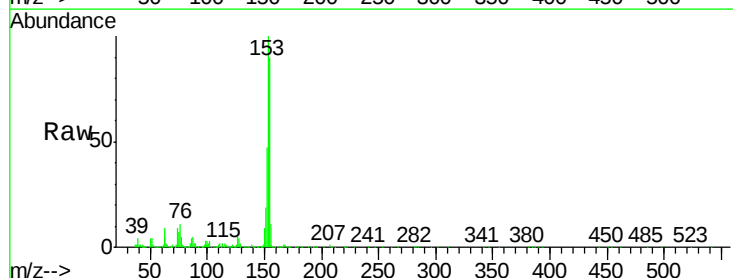
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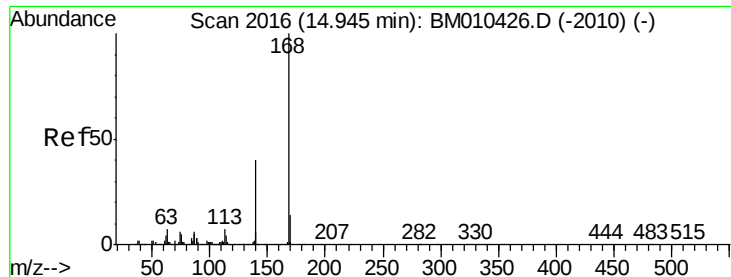
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#49
Acenaphthene
Concen: 9.973 ng/ul
RT: 14.61 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	441849		
152	47.2	37.6	56.4	
154	89.8	70.4	105.6	





#53

Dibenzenofuran

Concen: 5.265 ng/ul

RT: 14.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

BDC48

Tgt Ion:168 Resp: 344951

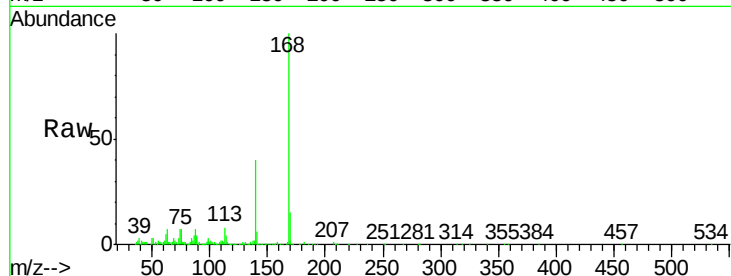
Ion Ratio Lower Upper

168 100

139 40.3 30.8 46.2

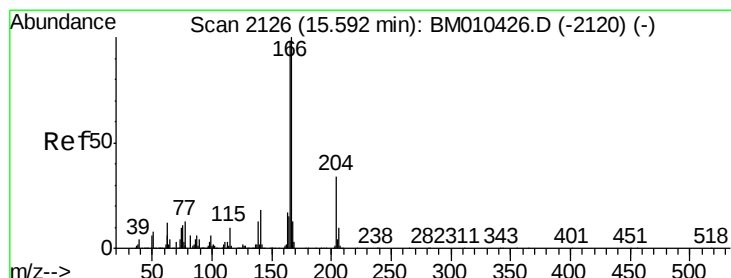
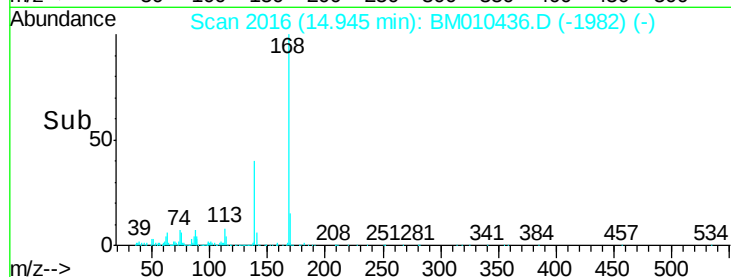
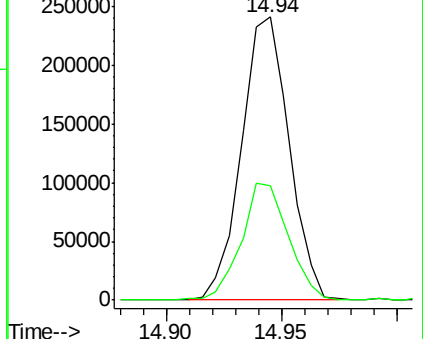
Manual Integrations
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 10.286 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

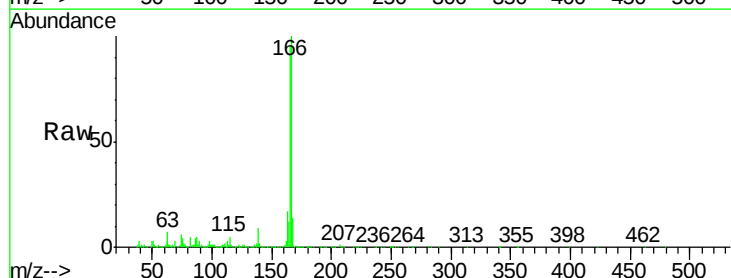
Tgt Ion:166 Resp: 552780

Ion Ratio Lower Upper

166 100

165 95.2 77.9 116.9

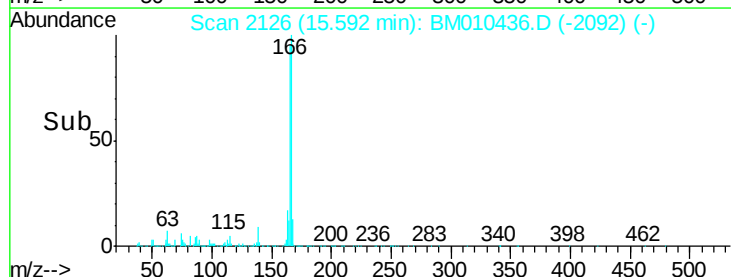
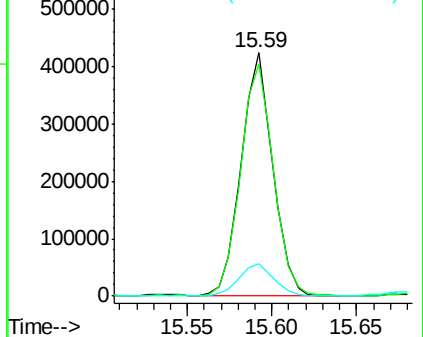
167 13.5 10.6 16.0

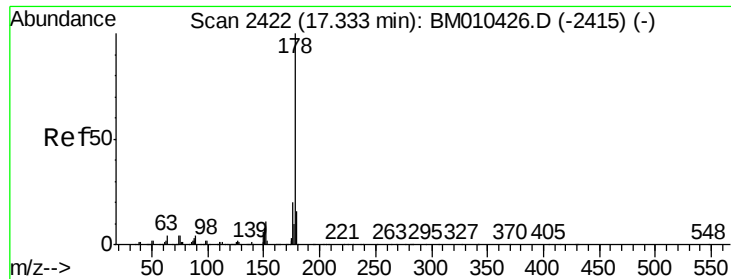


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 133.504 ng/ul m

RT: 17.34 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampled :

BDC48

Tgt Ion:178 Resp:12928409

Ion Ratio Lower Upper

178 100

179 19.8 12.6 19.0#

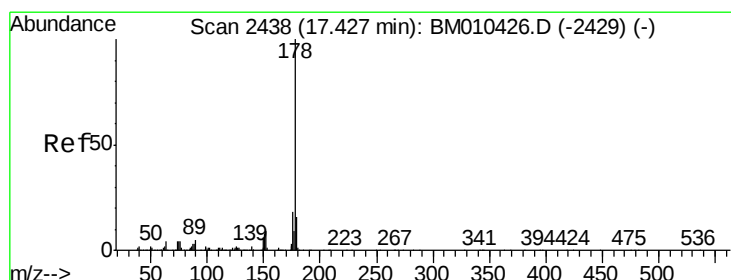
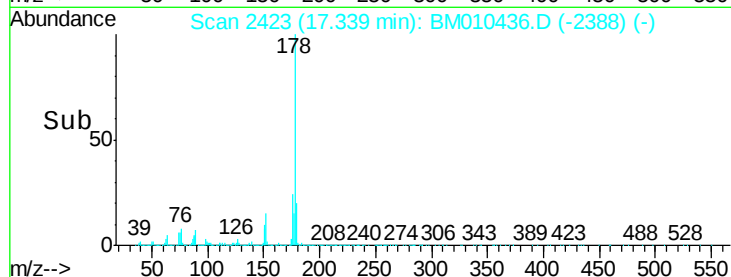
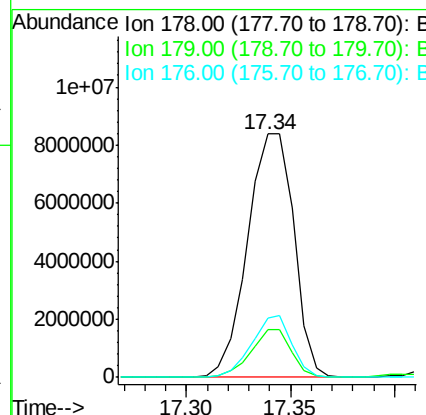
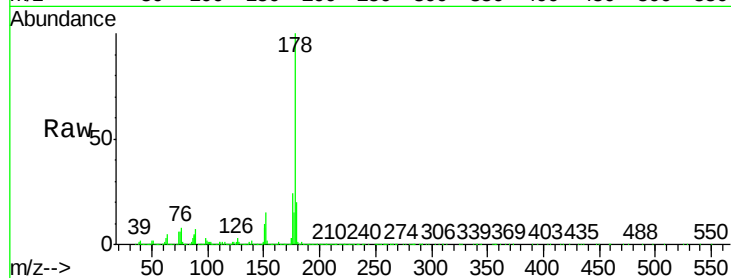
176 24.4 14.9 22.3#

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#71

Anthracene

Concen: 11.671 ng/ul

RT: 17.43 min Scan# 2438

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

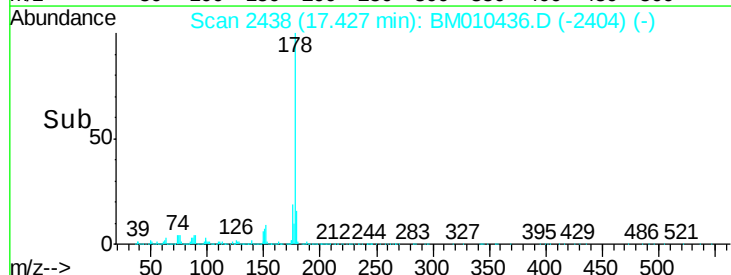
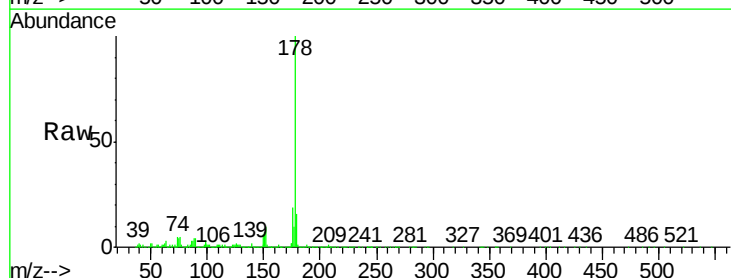
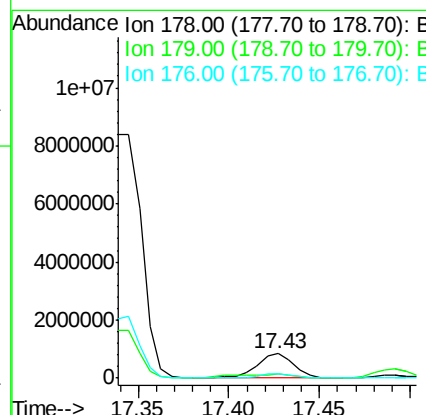
Tgt Ion:178 Resp: 1179850

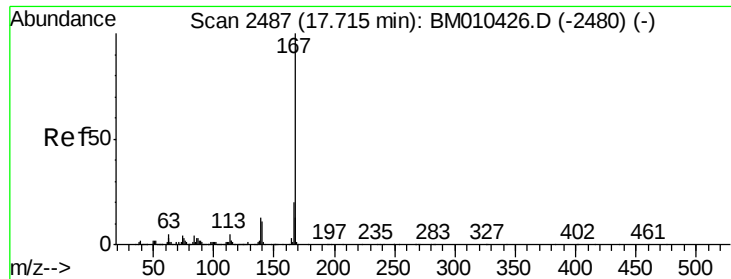
Ion Ratio Lower Upper

178 100

179 16.2 11.7 17.5

176 18.9 14.6 21.8





#72

Carbazole

Concen: 20.200 ng/ul

RT: 17.72 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

BDC48

Tgt Ion:167 Resp: 1728462

Ion Ratio Lower Upper

167 100

166 20.2 17.1 25.7

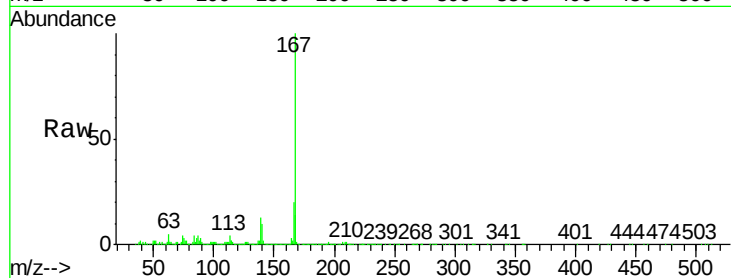
139 13.4 10.0 15.0

Manual Integrations

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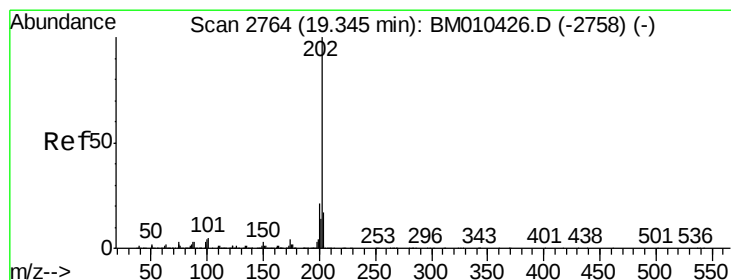
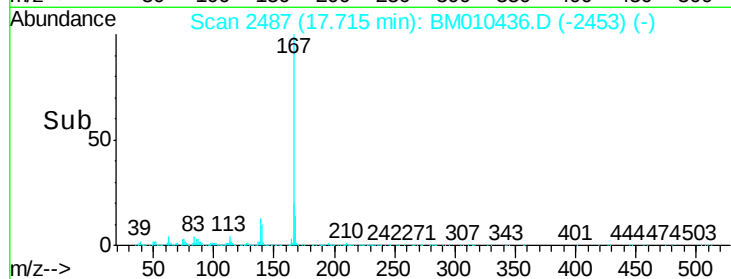
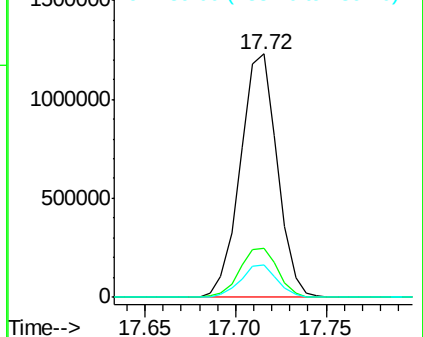
6/8/2017 11:16:31 AM



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



#74

Fluoranthene

Concen: 175.617 ng/ul m

RT: 19.34 min Scan# 2764

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

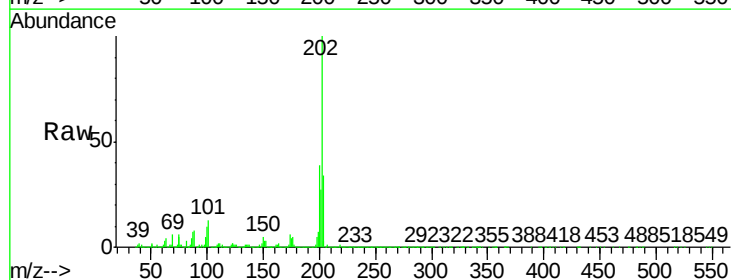
Tgt Ion:202 Resp:20913229

Ion Ratio Lower Upper

202 100

101 12.8 4.6 7.0#

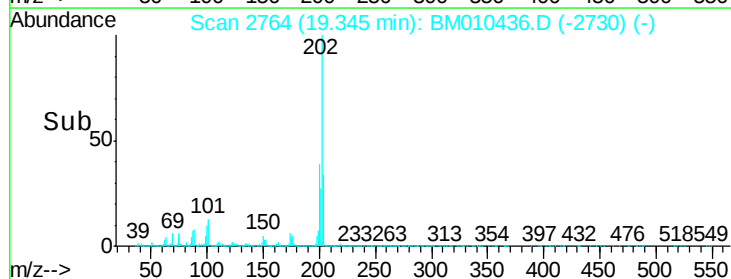
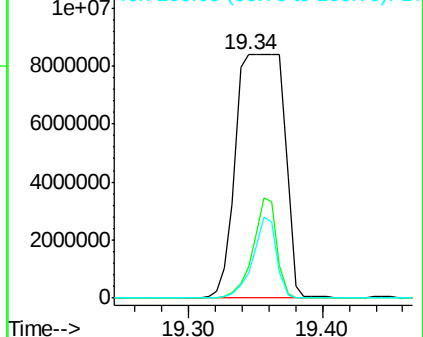
100 10.4 3.4 5.2#

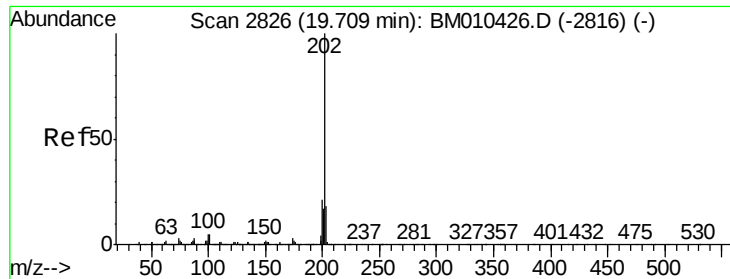


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 116.265 ng/ul m

RT: 19.71 min Scan# 2826

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

BDC48

Tgt Ion:202 Resp:19820336

Ion Ratio Lower Upper

202 100

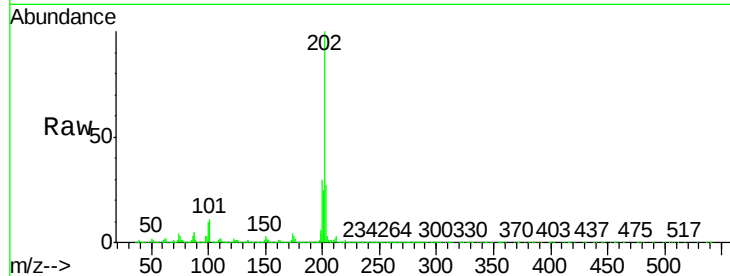
101 11.3 5.1 7.7#

100 9.6 4.9 7.3#

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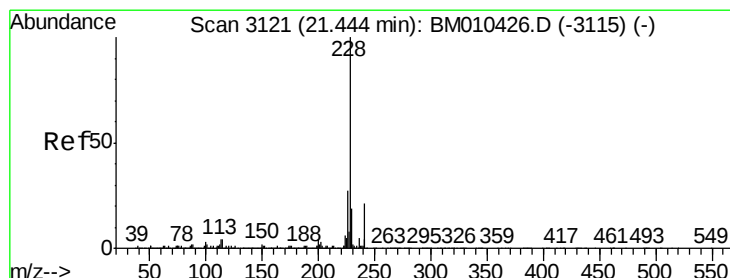
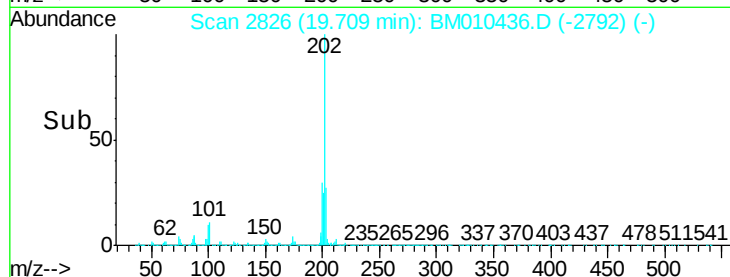
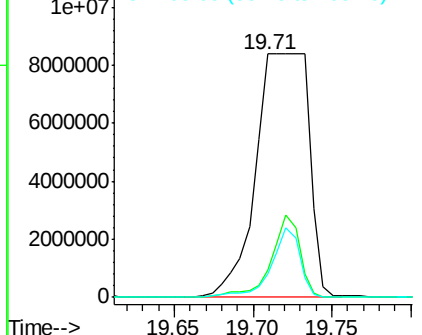
6/8/2017 11:16:31 AM



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

Benzo(a)anthracene

Concen: 69.900 ng/ul

RT: 21.44 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

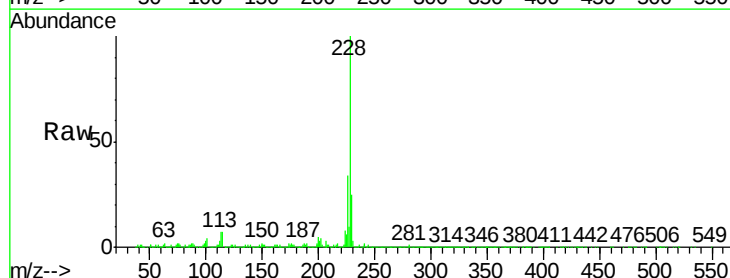
Tgt Ion:228 Resp:13040279

Ion Ratio Lower Upper

228 100

229 24.8 15.4 23.0#

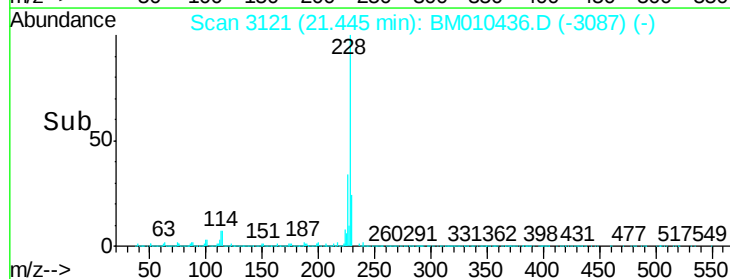
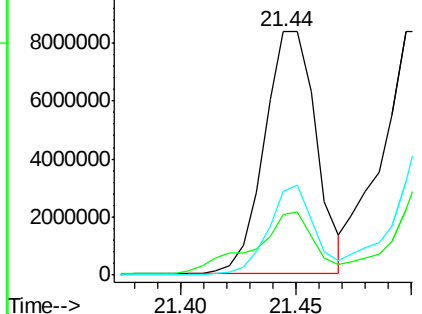
226 34.2 21.4 32.0#

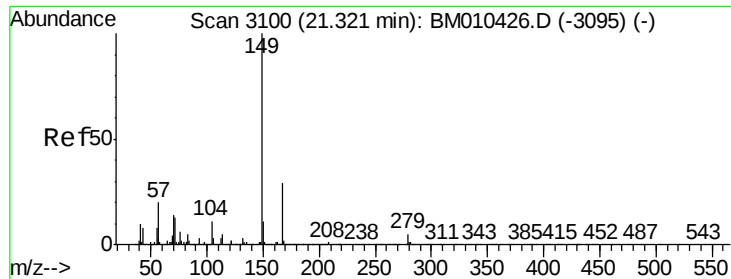


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





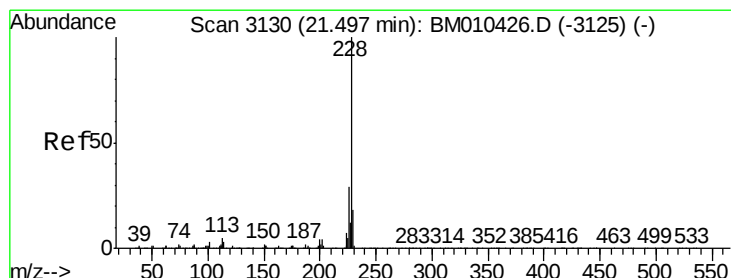
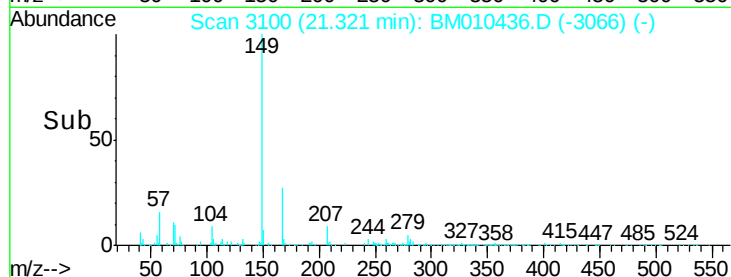
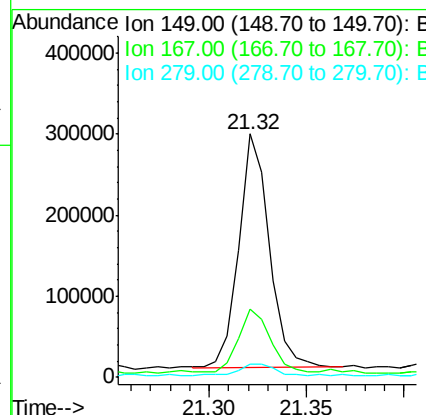
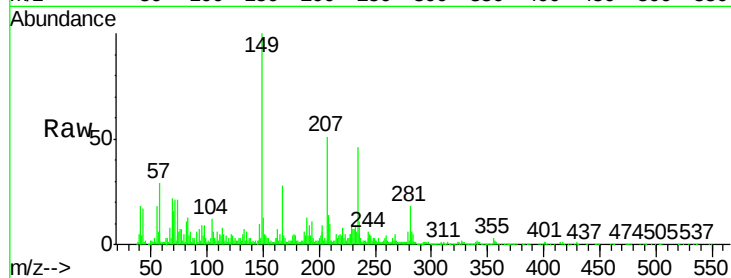
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.538 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.00 min
 Lab File: BM010436.D
 Acq: 07 Jun 2017 16:39

Instrument :
 BNA_M
 ClientSampleId :
 BDC48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	5.7	4.9	7.3

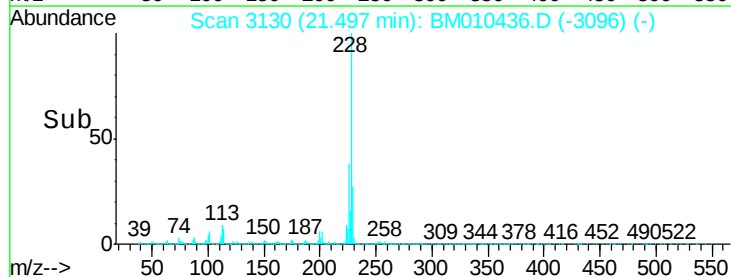
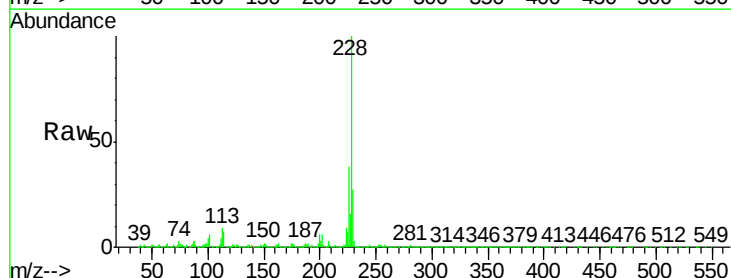
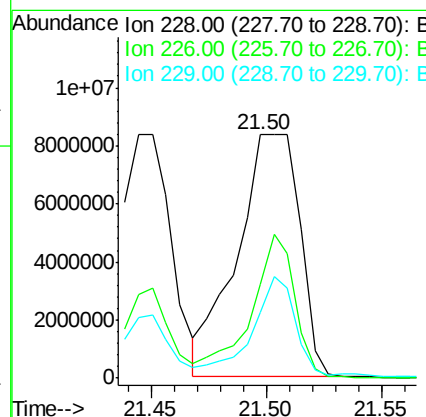
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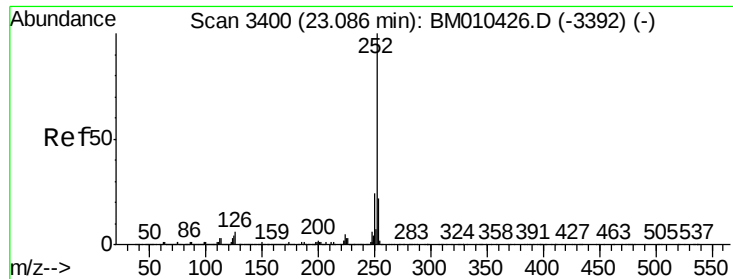
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#82
 Chrysene
 Concen: 93.599 ng/ul
 RT: 21.50 min Scan# 3130
 Delta R.T. 0.00 min
 Lab File: BM010436.D
 Acq: 07 Jun 2017 16:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.5	23.4	35.2#
229	27.2	15.5	23.3#





#85

Benzo(b)fluoranthene

Concen: 157.993 ng/ul m

RT: 23.10 min Scan# 3403

Delta R.T. 0.02 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

Instrument :

BNA_M

ClientSampleId :

BDC48

Tgt Ion:252 Resp:23314652

Ion Ratio Lower Upper

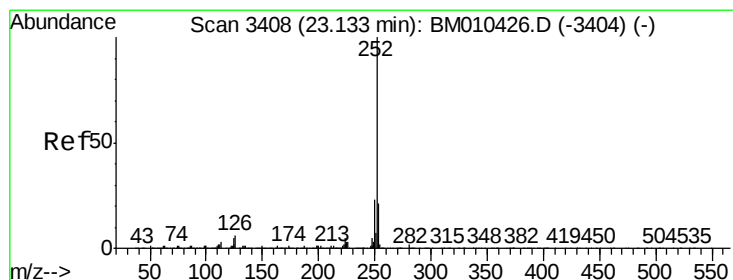
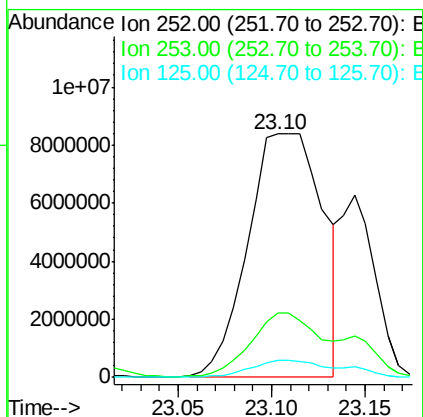
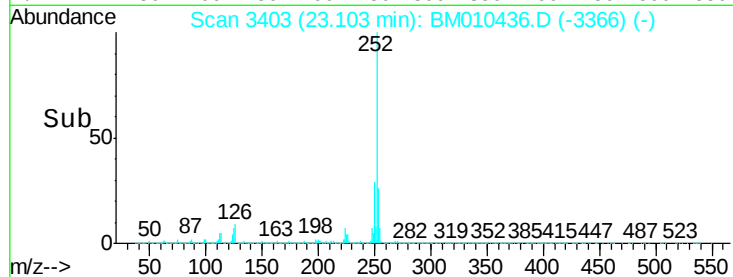
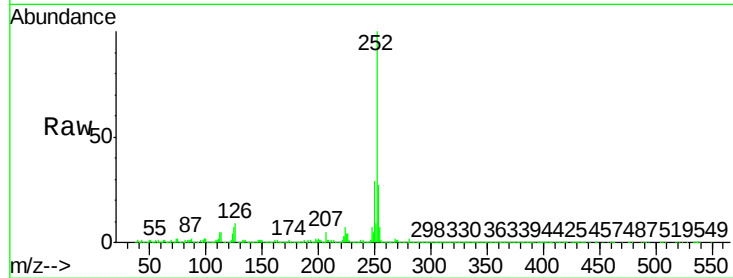
252 100

253 26.5 17.9 26.9

125 6.9 3.6 5.4#

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#86

Benzo(k)fluoranthene

Concen: 55.650 ng/ul

RT: 23.14 min Scan# 3410

Delta R.T. 0.01 min

Lab File: BM010436.D

Acq: 07 Jun 2017 16:39

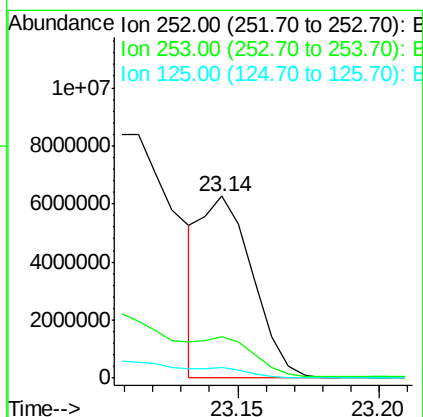
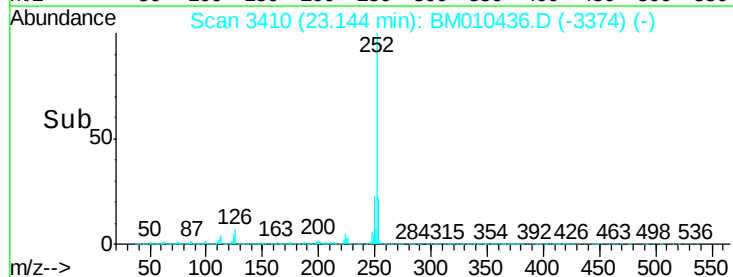
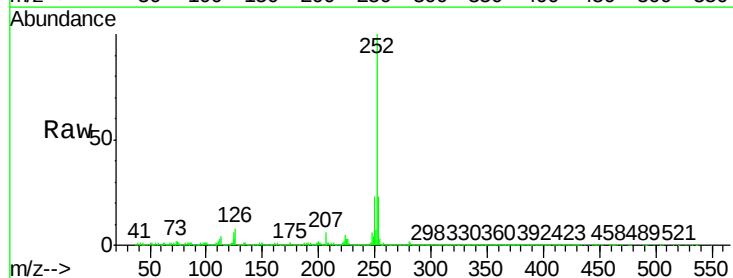
Tgt Ion:252 Resp: 7845135

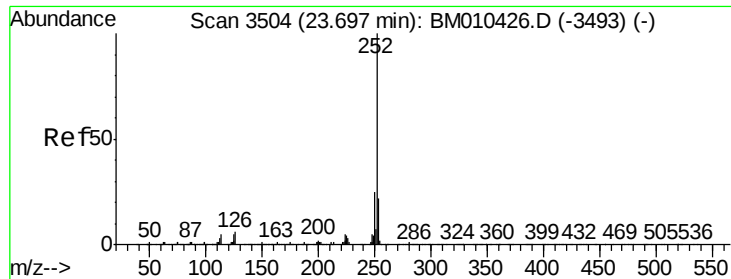
Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

125 5.6 3.4 5.2#





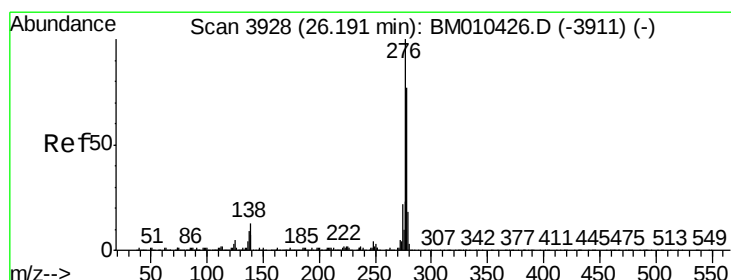
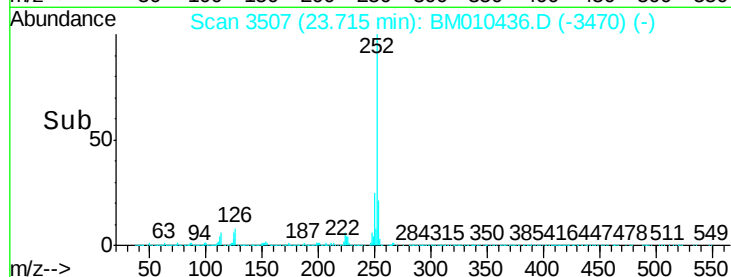
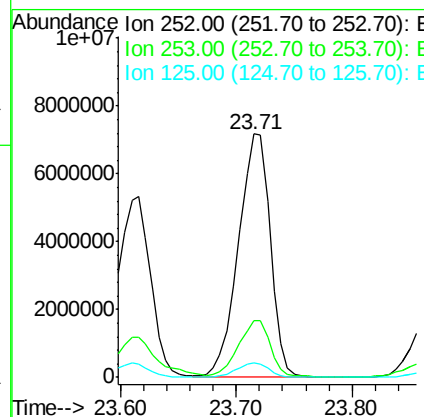
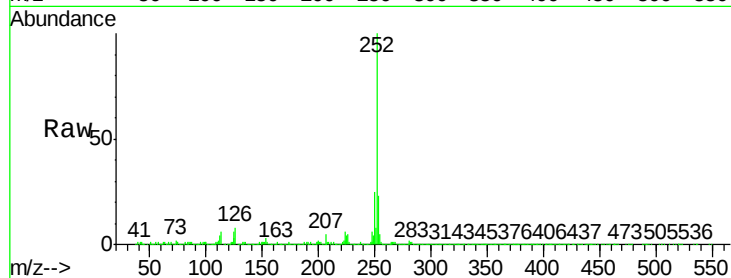
#88
Benzo(a)pyrene
Concen: 93.413 ng/u1
RT: 23.71 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Instrument :
BNA_M
ClientSampleId :
BDC48

Tgt Ion:252 Resp:13663734
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 6.1 4.0 6.0#

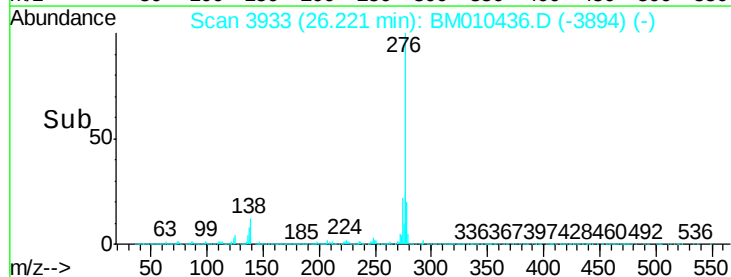
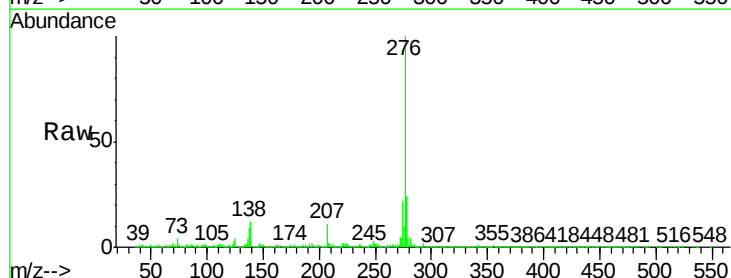
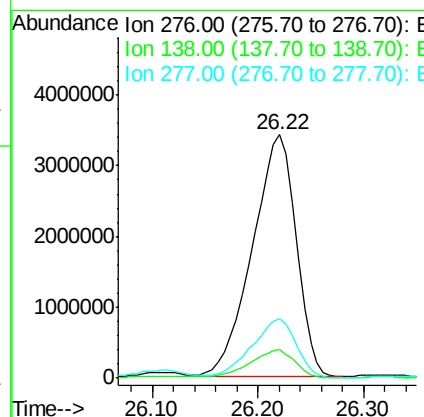
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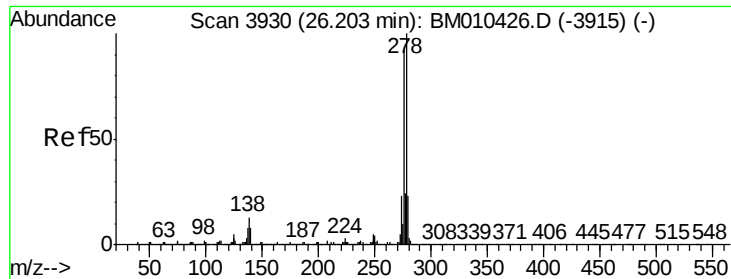
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#89
Indeno(1,2,3-cd)pyrene
Concen: 53.207 ng/u1
RT: 26.22 min Scan# 3933
Delta R.T. 0.03 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Tgt Ion:276 Resp: 9832761
Ion Ratio Lower Upper
276 100
138 11.8 9.3 13.9
277 24.4 19.9 29.9





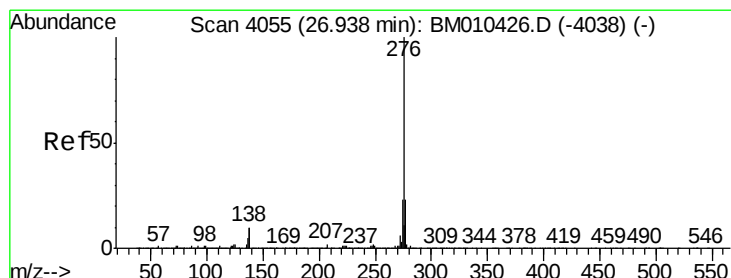
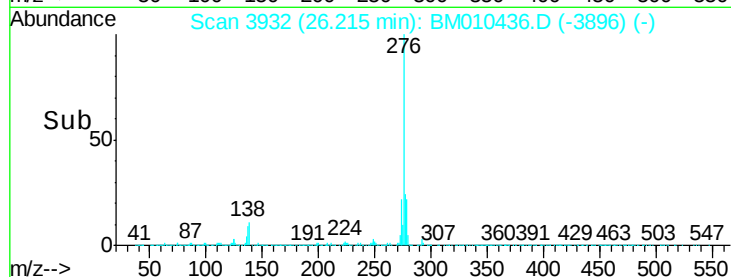
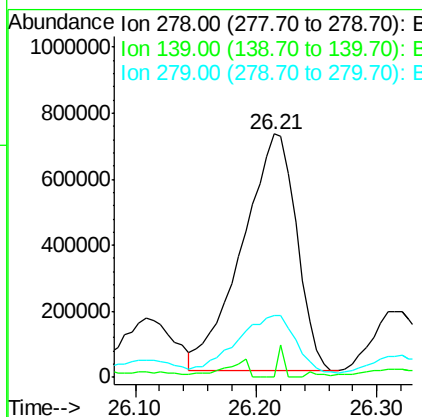
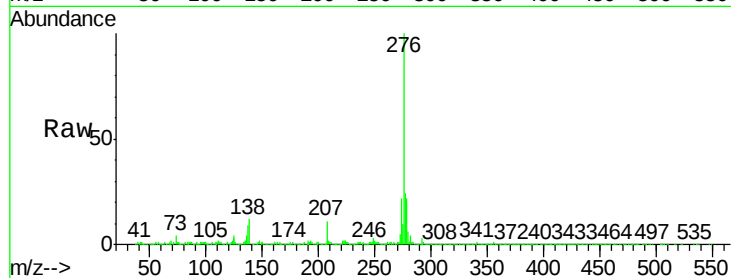
#90
Dibenzo(a,h)anthracene
Concen: 14.055 ng/ul
RT: 26.21 min Scan# 3932
Delta R.T. 0.01 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Instrument :
BNA_M
ClientSampleId :
BDC48

Tgt Ion: 278 Resp: 2236936
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.5 18.6 27.8

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#91
Benzo(g,h,i)perylene
Concen: 53.750 ng/ul
RT: 26.97 min Scan# 4061
Delta R.T. 0.04 min
Lab File: BM010436.D
Acq: 07 Jun 2017 16:39

Tgt Ion: 276 Resp: 8183263
Ion Ratio Lower Upper
276 100
138 12.6 8.5 12.7
277 25.5 18.6 28.0

