

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060717\
 Data File : BM010437.D
 Acq On : 07 Jun 2017 17:15
 Operator : SJ/MA
 Sample : I3446-05DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BDC48DL

Manual Integrations
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mohammad
 6/8/2017 11:16:33 AM

Quant Time: Jun 08 02:15:52 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	7.91	152	270197	20.00	ng/ul	0.00
18) Naphthalene-d8	10.71	136	1012414	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.54	164	679070	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	1741828	20.00	ng/ul	0.00
75) Chrysene-d12	21.46	240	2794066	20.00	ng/ul	0.00
83) Perylene-d12	23.80	264	2365038	20.00	ng/ul	0.00

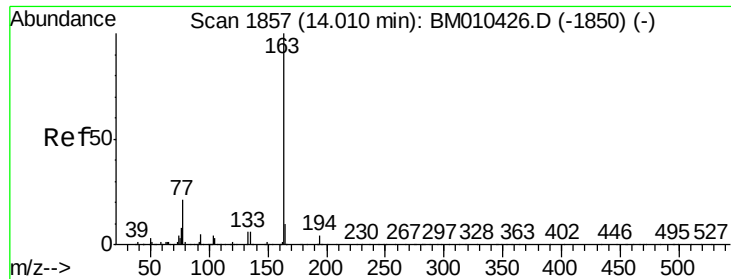
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	3818	0.58	ng/uL	0.00
5) Phenol-d5	7.10	99	73051	3.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.25	67	42714	3.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.45	132	64947	3.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	62299	3.77	ng/ul	-0.01
19) Nitrobenzene-d5	9.09	128	29054	3.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.81	143	31387	3.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.34	165	76260	4.32	ng/ul	0.00
29) 4-Chloroaniline-d4	10.88	131	69622	4.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.96	166	273801	4.85	ng/ul	0.00
46) Acenaphthylene-d8	14.24	160	291609	4.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	27860	3.30	ng/ul	0.00
57) Fluorene-d10	15.53	176	247683	4.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.67	200	29209	2.37	ng/ul	0.00
70) Anthracene-d10	17.39	188	416277	4.91	ng/ul	0.00
76) Pyrene-d10	19.68	212	540741	4.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.65	264	546785	4.97	ng/ul	0.00

Target Compounds

					Qvalue
44) Dimethylphthalate	14.00	163	63228	1.140 ng/ul	99
49) Acenaphthene	14.61	153	87045	1.930 ng/ul	94
53) Dibenzofuran	14.94	168	70712	1.060 ng/ul	95
58) Fluorene	15.59	166	100403	1.835 ng/ul#	92
69) Phenanthrene	17.34	178	2264416	24.352 ng/ul	99
71) Anthracene	17.42	178	213929	2.204 ng/ul	97
72) Carbazole	17.71	167	306386	3.729 ng/ul	100
74) Fluoranthene	19.34	202	7272165	63.596 ng/ul	99
77) Pyrene	19.71	202	5669346	39.376 ng/ul	98
80) Benzo(a)anthracene	21.44	228	2315353	14.695 ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.32	149	83139	1.123 ng/ul	99
82) Chrysene	21.50	228	3221075	22.615 ng/ul	98
85) Benzo(b)fluoranthene	23.09	252	4162717	30.249 ng/ul	99
86) Benzo(k)fluoranthene	23.13	252	1246964m	9.485 ng/ul	
88) Benzo(a)pyrene	23.70	252	2261448	16.578 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	26.19	276	1632241	9.471 ng/ul	98
90) Dibenzo(a,h)anthracene	26.20	278	387993	2.614 ng/ul#	85
91) Benzo(g,h,i)perylene	26.94	276	1353801	9.535 ng/ul	99

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



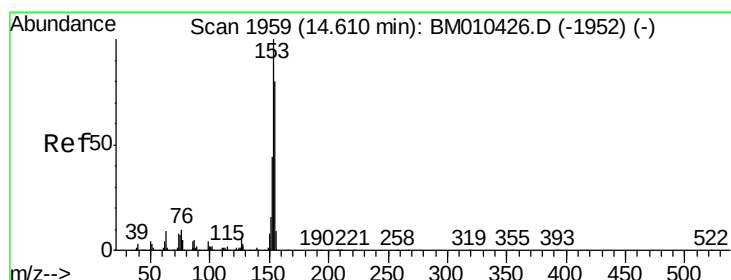
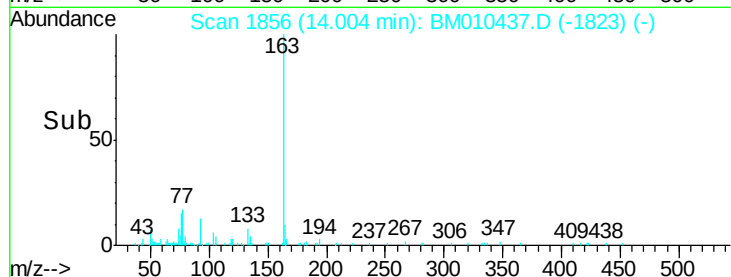
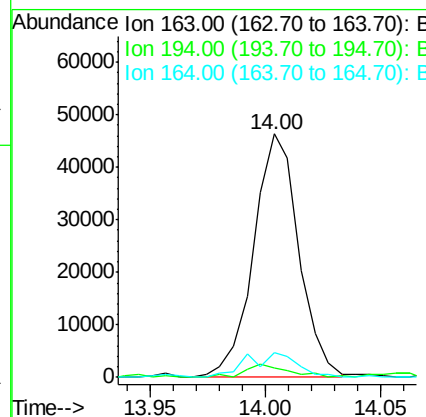
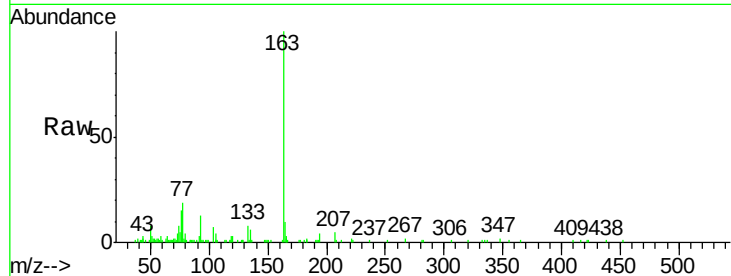
#44
Dimethylphthalate
Concen: 1.140 ng/ul
RT: 14.00 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM010437.D
Acq: 07 Jun 2017 17:15

Instrument :
BNA_M
ClientSampleId :
BDC48DL

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	10.2	8.2	12.4

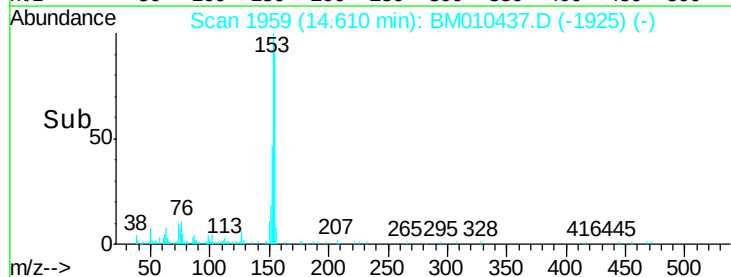
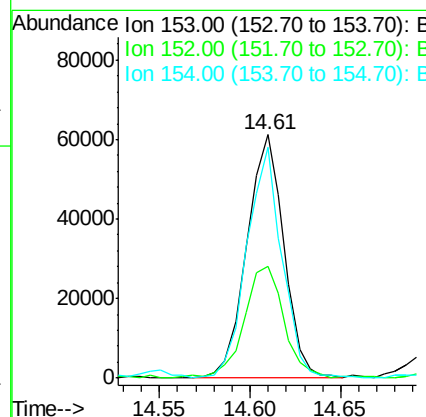
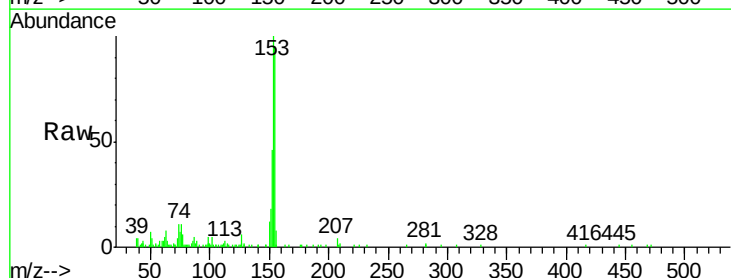
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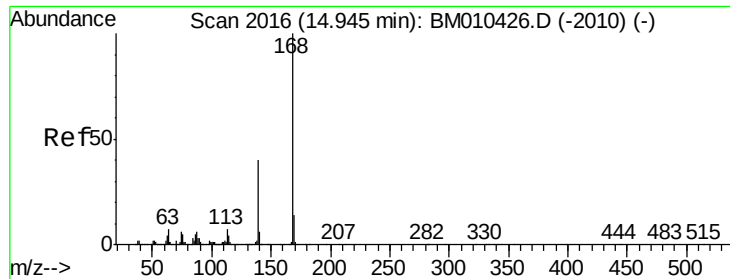
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#49
Acenaphthene
Concen: 1.930 ng/ul
RT: 14.61 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BM010437.D
Acq: 07 Jun 2017 17:15

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.7	37.6	56.4
154	95.0	70.4	105.6





#53

Dibenzenofuran

Concen: 1.060 ng/ul

RT: 14.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

BDC48DL

Tgt Ion:168 Resp: 70712

Ion Ratio Lower Upper

168 100

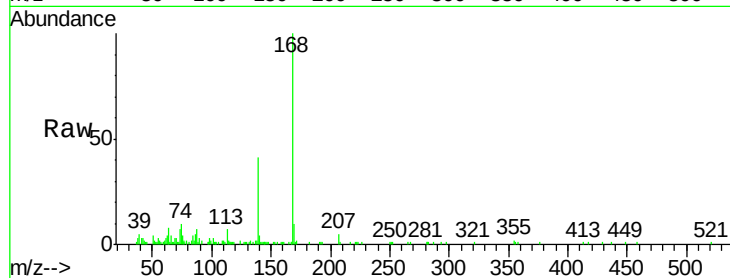
139 41.3 30.8 46.2

Manual Integrations

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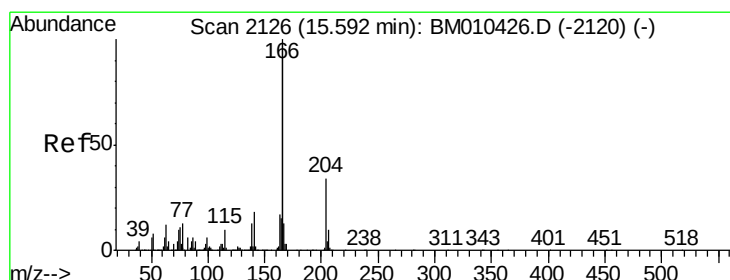
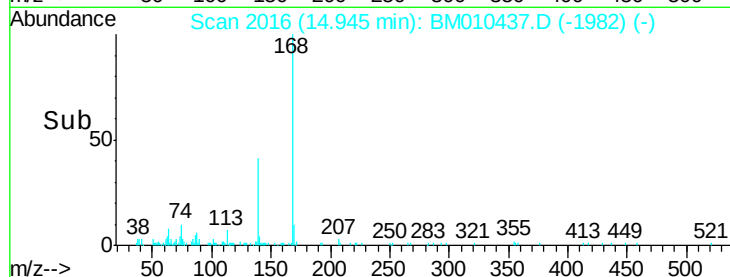
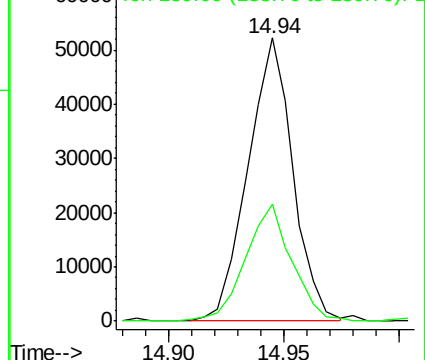
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.835 ng/ul

RT: 15.59 min Scan# 2126

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

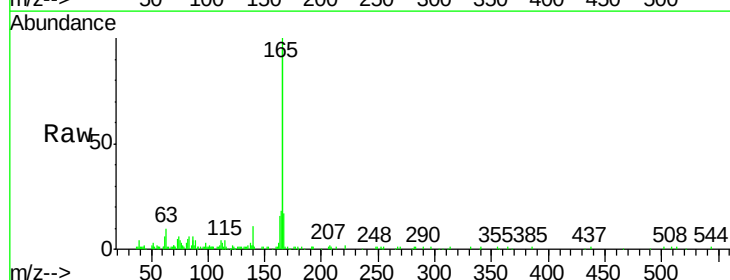
Tgt Ion:166 Resp: 100403

Ion Ratio Lower Upper

166 100

165 105.1 77.9 116.9

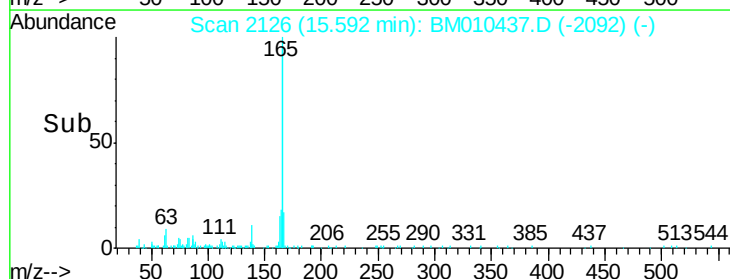
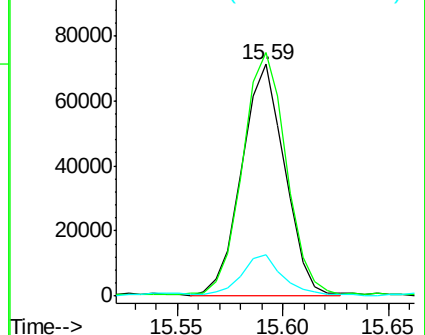
167 17.9 10.6 16.0#

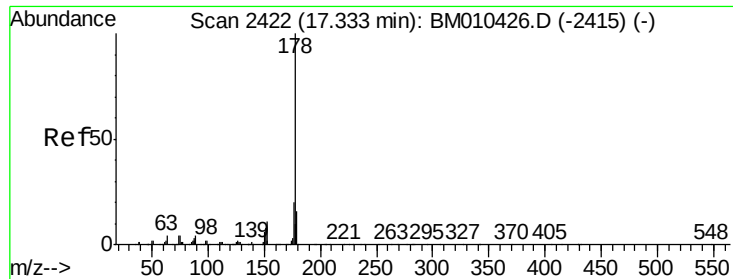


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 24.352 ng/ul

RT: 17.34 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

BDC48DL

Tgt Ion:178 Resp: 2264416

Ion Ratio Lower Upper

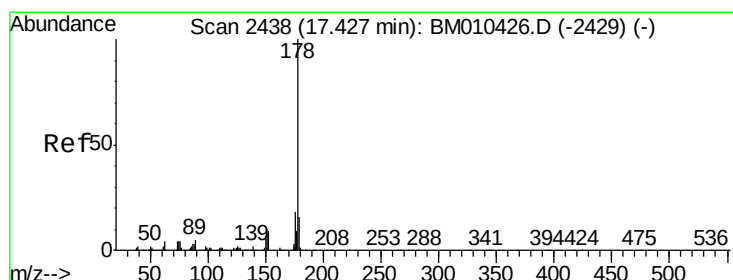
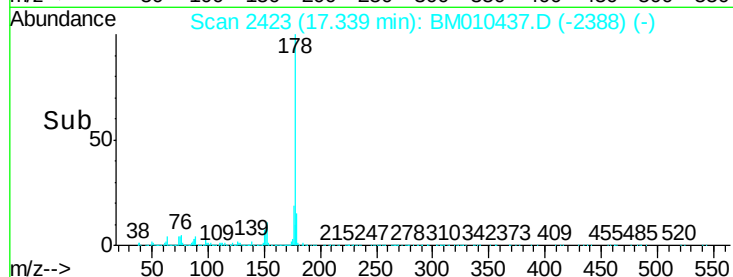
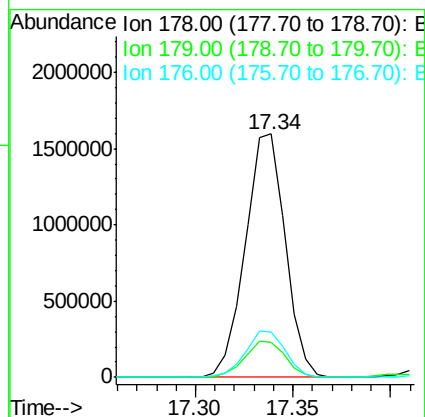
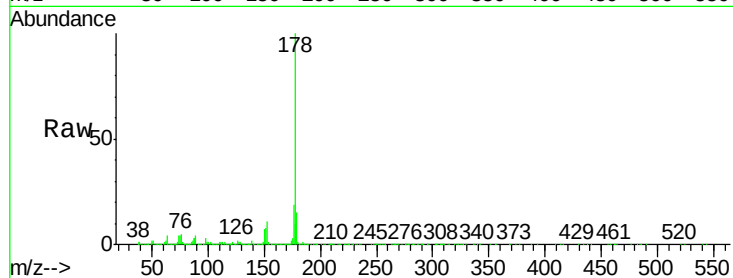
178 100

179 14.6 12.6 19.0

176 18.6 14.9 22.3

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#71

Anthracene

Concen: 2.204 ng/ul

RT: 17.42 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

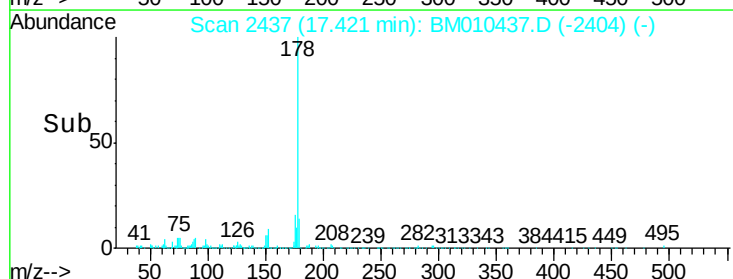
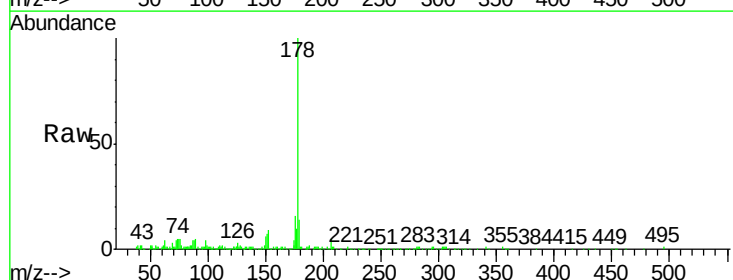
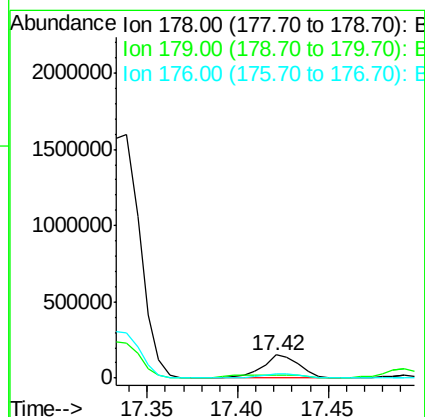
Tgt Ion:178 Resp: 213929

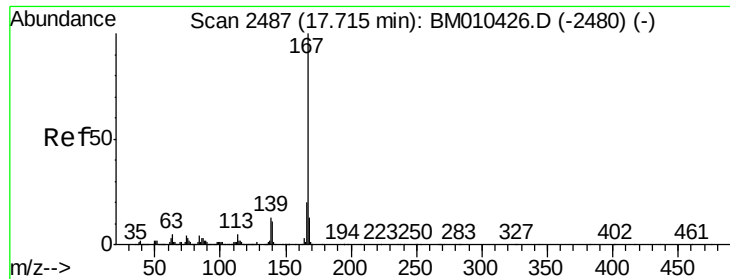
Ion Ratio Lower Upper

178 100

179 14.3 11.7 17.5

176 16.4 14.6 21.8





#72

Carbazole

Concen: 3.729 ng/ul

RT: 17.71 min Scan# 2486

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

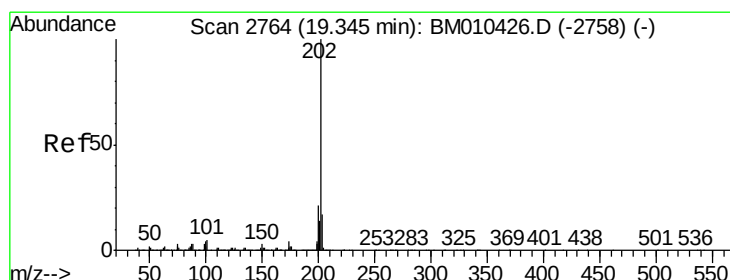
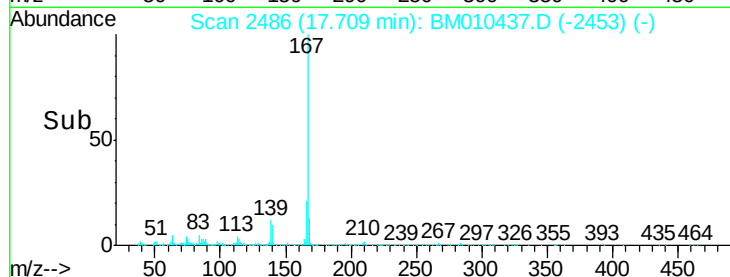
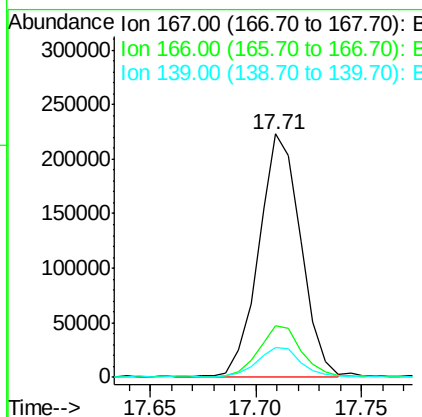
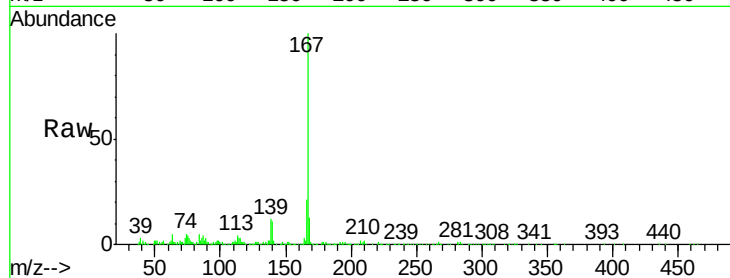
ClientSampleId :

BDC48DL

Tgt Ion:	167	Resp:	306386
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.1	25.7
139	12.4	10.0	15.0

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#74

Fluoranthene

Concen: 63.596 ng/ul

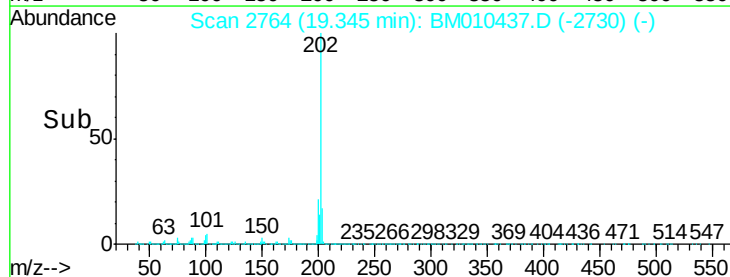
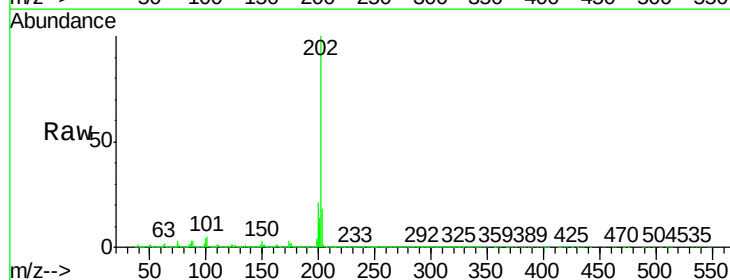
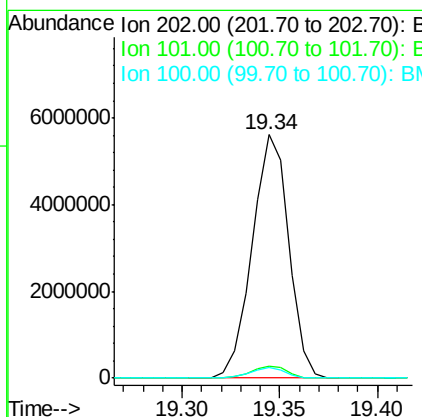
RT: 19.34 min Scan# 2764

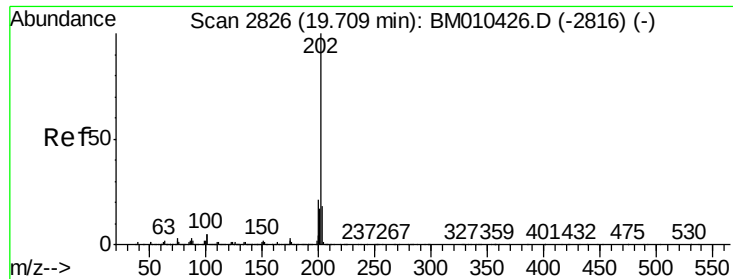
Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:	202	Resp:	7272165
Ion Ratio	Lower	Upper	
202	100		
101	5.1	4.6	7.0
100	4.2	3.4	5.2





#77

Pyrene

Concen: 39.376 ng/ul

RT: 19.71 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

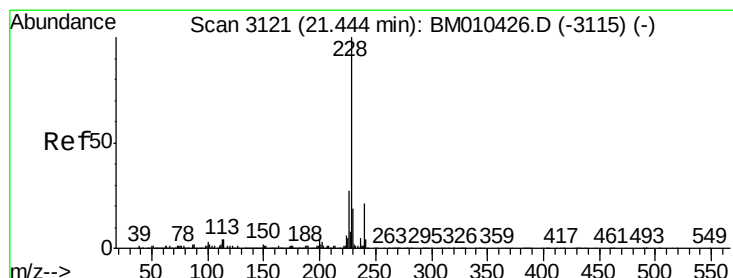
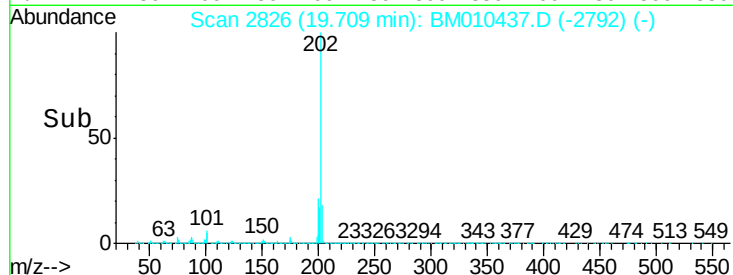
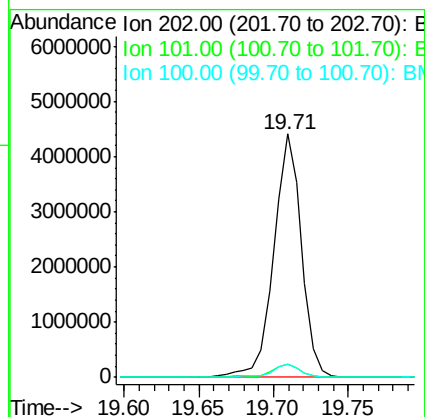
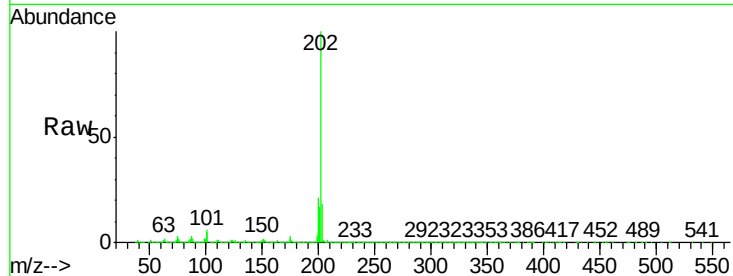
ClientSampleId :

BDC48DL

Tgt Ion:	202	Resp:	5669346
Ion Ratio	Lower	Upper	
202	100		
101	5.5	5.1	7.7
100	5.3	4.9	7.3

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#80

Benzo(a)anthracene

Concen: 14.695 ng/ul

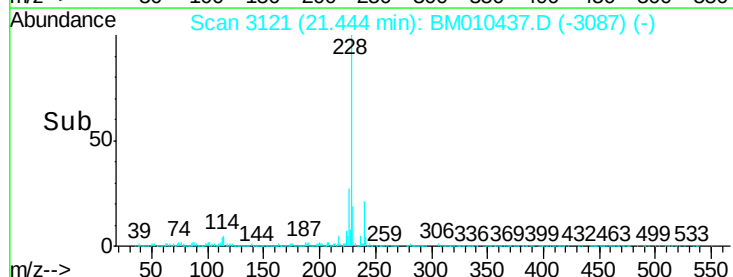
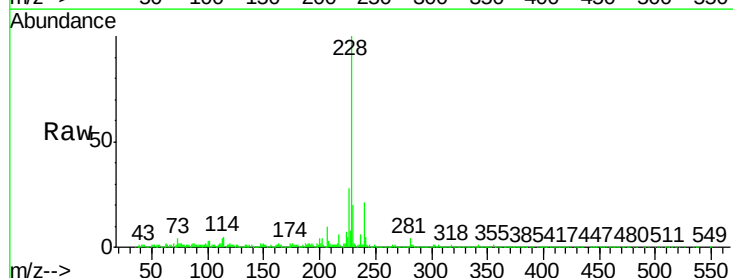
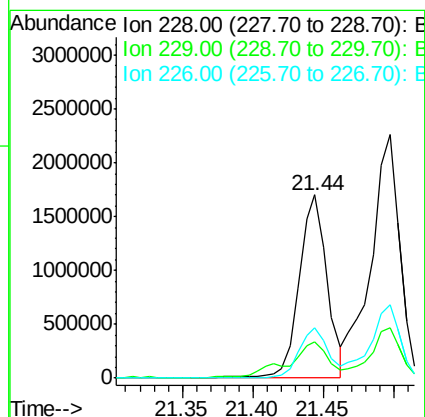
RT: 21.44 min Scan# 3121

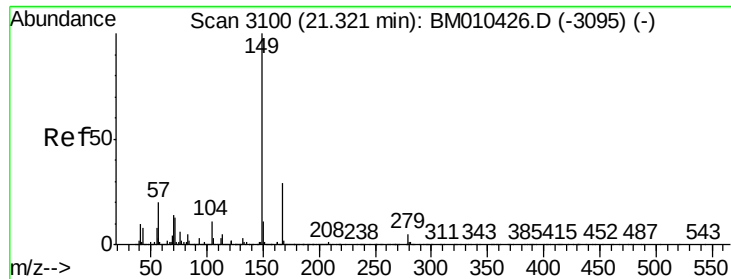
Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:	228	Resp:	2315353
Ion Ratio	Lower	Upper	
228	100		
229	19.7	15.4	23.0
226	27.6	21.4	32.0





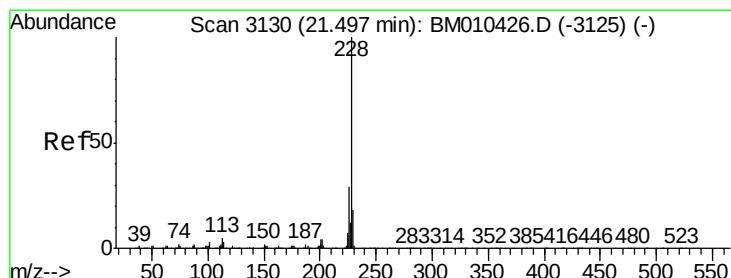
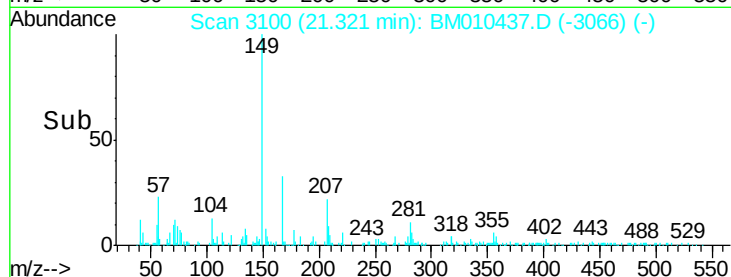
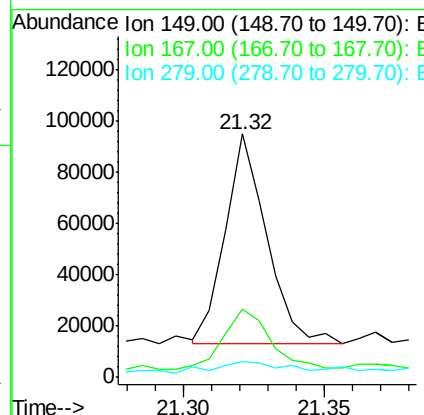
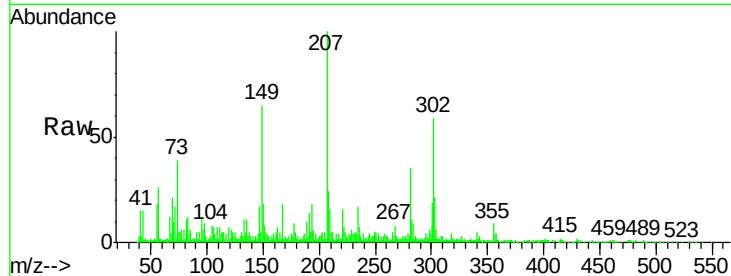
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.123 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. -0.00 min
 Lab File: BM010437.D
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 BDC48DL

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.8	34.2
279	6.3	4.9	7.3

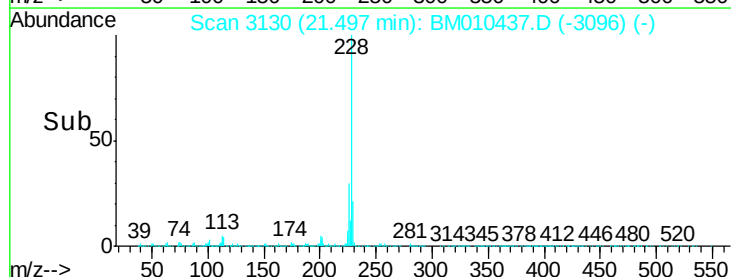
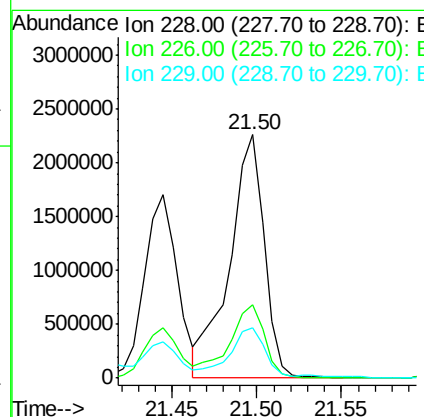
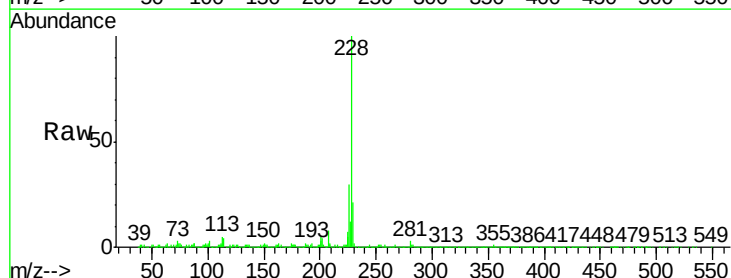
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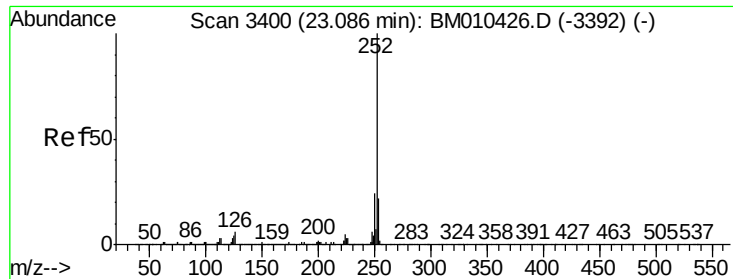
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#82
 Chrysene
 Concen: 22.615 ng/ul
 RT: 21.50 min Scan# 3130
 Delta R.T. -0.00 min
 Lab File: BM010437.D
 Acq: 07 Jun 2017 17:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	20.9	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 30.249 ng/ul

RT: 23.09 min Scan# 3401

Delta R.T. 0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

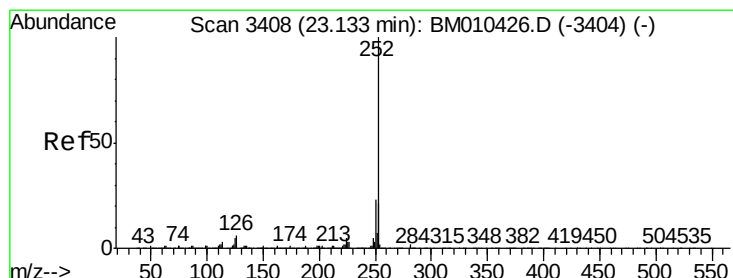
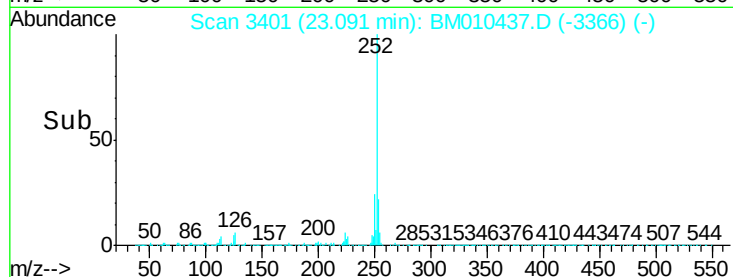
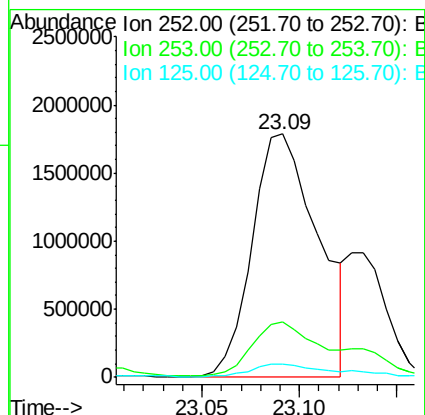
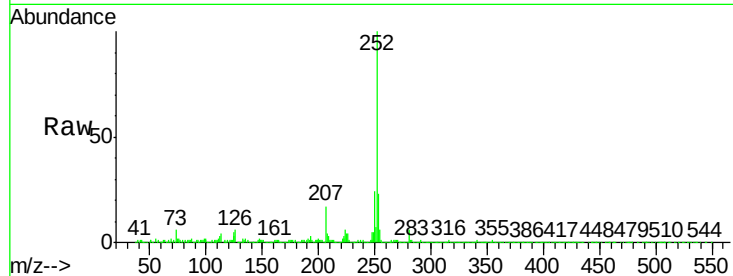
ClientSampleId :

BDC48DL

Tgt Ion:	252	Resp:	4162717
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	5.2	3.6	5.4

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#86

Benzo(k)fluoranthene

Concen: 9.485 ng/ul m

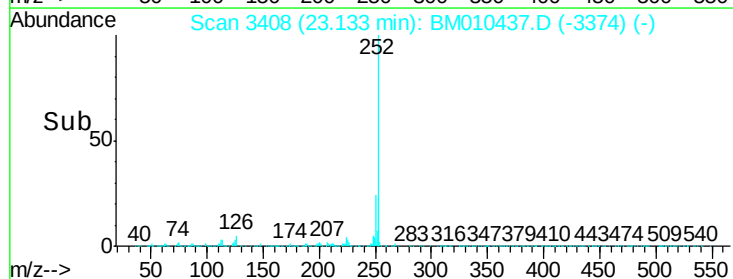
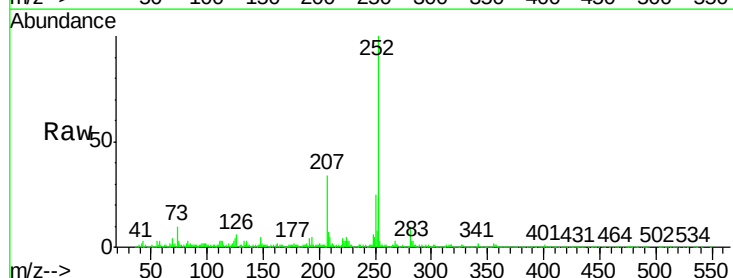
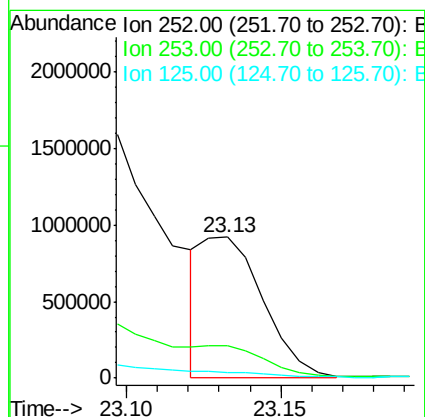
RT: 23.13 min Scan# 3408

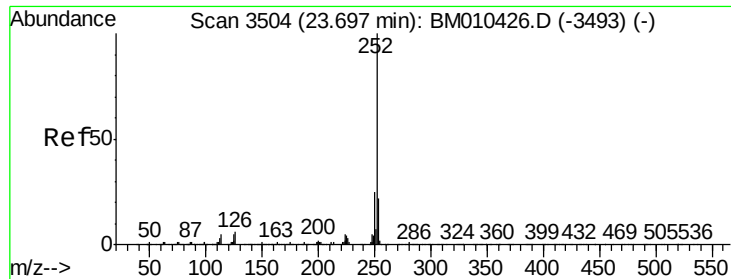
Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:	252	Resp:	1246964
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	4.4	3.4	5.2





#88

Benzo(a)pyrene

Concen: 16.578 ng/ul

RT: 23.70 min Scan# 3505

Delta R.T. 0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

ClientSampleId :

BDC48DL

Tgt Ion:252 Resp: 2261448

Ion Ratio Lower Upper

252 100

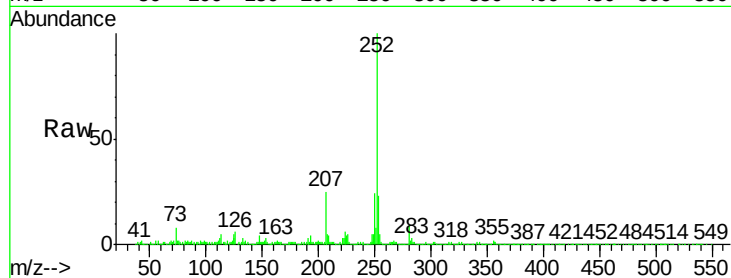
253 23.0 18.2 27.2

125 5.3 4.0 6.0

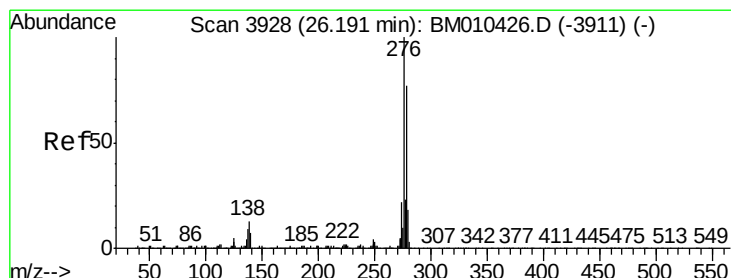
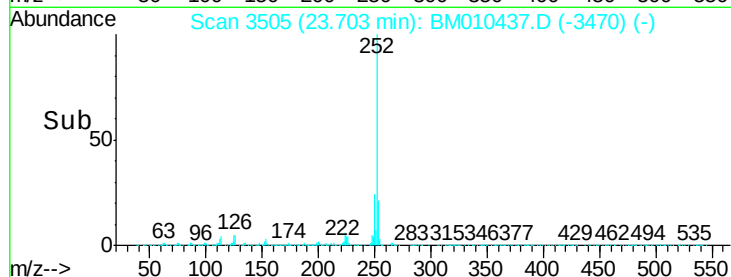
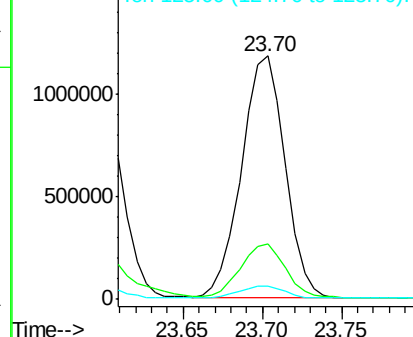
Manual Integrations
APPROVED

mohammad

6/8/2017 11:16:33 AM



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

Indeno(1,2,3-cd)pyrene

Concen: 9.471 ng/ul

RT: 26.19 min Scan# 3928

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

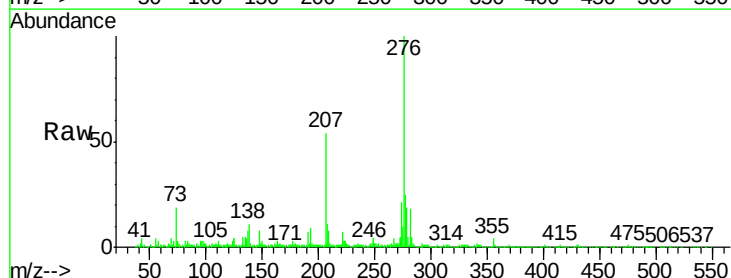
Tgt Ion:276 Resp: 1632241

Ion Ratio Lower Upper

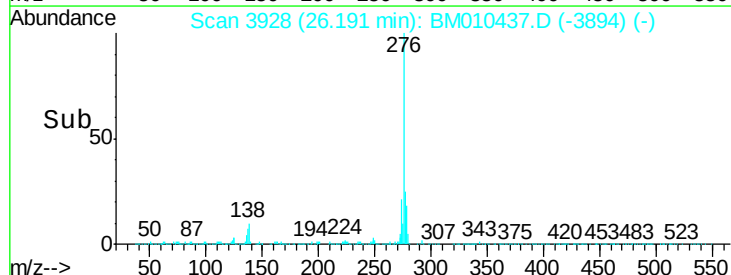
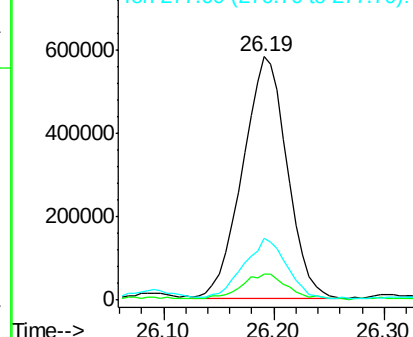
276 100

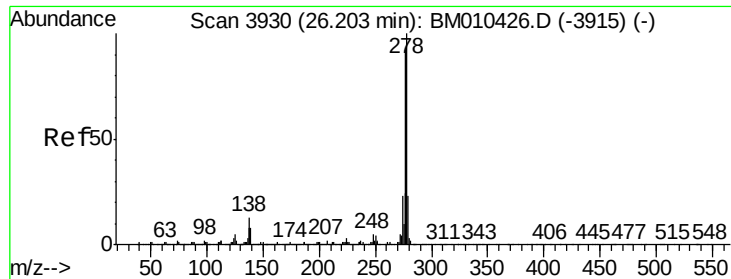
138 10.6 9.3 13.9

277 25.5 19.9 29.9



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





#90

Dibenzo(a,h)anthracene

Concen: 2.614 ng/ul

RT: 26.20 min Scan# 3929

Delta R.T. -0.01 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Instrument :

BNA_M

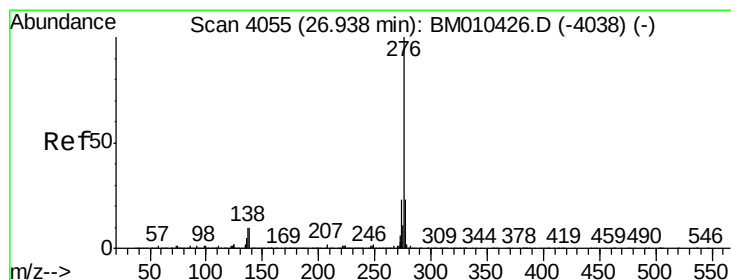
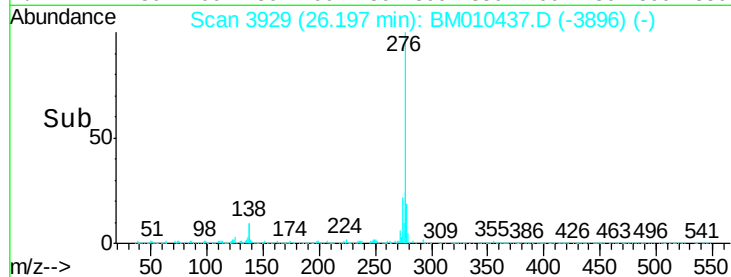
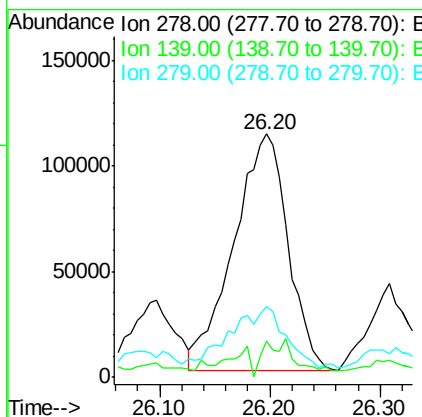
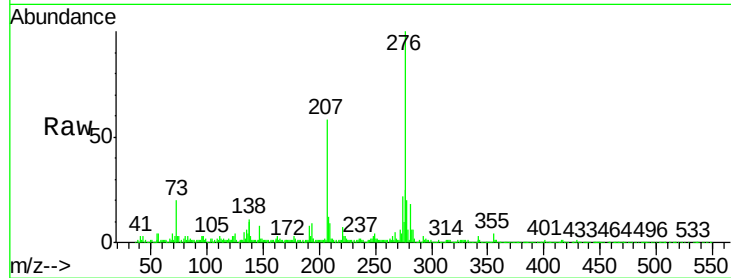
ClientSampleId :

BDC48DL

Tgt Ion:	278	Resp:	387993
Ion Ratio	Lower	Upper	
278	100		
139	15.1	5.8	8.8#
279	29.3	18.6	27.8#

Manual Integrations
APPROVED

mohammad
6/8/2017 11:16:33 AM



#91

Benzo(g,h,i)perylene

Concen: 9.535 ng/ul

RT: 26.94 min Scan# 4055

Delta R.T. -0.00 min

Lab File: BM010437.D

Acq: 07 Jun 2017 17:15

Tgt Ion:	276	Resp:	1353801
Ion Ratio	Lower	Upper	
276	100		
138	11.6	8.5	12.7
277	23.7	18.6	28.0

