

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
 Data File : BM010512.D
 Acq On : 11 Jun 2017 07:10
 Operator : SJ/MA
 Sample : I3521-07
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C55

Manual Integrations
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 6/12/2017 3:41:13 PM

Quant Time: Jun 12 09:25:58 2017
 Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 12 09:00:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	167450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	581734	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.53	164	385611	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	938598	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1450693	20.00	ng/ul	0.00
83) Perylene-d12	23.79	264	1402241	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	11300	2.77	ng/uL	0.00
5) Phenol-d5	7.08	99	210685	16.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.23	67	126115	17.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	186469	18.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.62	113	175962	17.19	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	85622	20.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	110001	22.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	224783	22.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	199794	20.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	740007	23.10	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	801594	21.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	73059	15.24	ng/ul	0.00
57) Fluorene-d10	15.52	176	630898	22.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	125949	18.94	ng/ul	0.00
70) Anthracene-d10	17.37	188	1048413	22.96	ng/ul	0.00
76) Pyrene-d10	19.67	212	1366013	22.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.64	264	1486504	22.77	ng/ul	0.01

Target Compounds

					Qvalue
28) Naphthalene	10.75	128	595281	20.402 ng/ul	97
34) 2-Methylnaphthalene	12.35	142	131969	5.965 ng/ul	93
40) 1,1'-Biphenyl	13.36	154	52461	1.677 ng/ul	99
44) Dimethylphthalate	13.99	163	545903	17.326 ng/ul	100
47) Acenaphthylene	14.26	152	393280	10.768 ng/ul	98
49) Acenaphthene	14.59	153	109797	4.286 ng/ul	93
53) Dibenzofuran	14.93	168	253775	6.700 ng/ul	94
58) Fluorene	15.57	166	286191	9.211 ng/ul	94
69) Phenanthrene	17.32	178	1547581	30.885 ng/ul	99
71) Anthracene	17.41	178	864234	16.521 ng/ul	99
72) Carbazole	17.70	167	236700	5.346 ng/ul	98
74) Fluoranthene	19.33	202	3564099m	57.842 ng/ul	
77) Pyrene	19.70	202	12254643	163.930 ng/ul	98
80) Benzo(a)anthracene	21.43	228	6029906	73.709 ng/ul	96
82) Chrysene	21.49	228	3181608	43.023 ng/ul	95
85) Benzo(b)fluoranthene	23.08	252	9518335	116.655 ng/ul	99
86) Benzo(k)fluoranthene	23.11	252	3526916m	45.247 ng/ul	
88) Benzo(a)pyrene	23.69	252	4358866	53.894 ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.16	276	2541409	24.871 ng/ul	98
90) Dibenzo(a,h)anthracene	26.16	278	721470	8.198 ng/ul	99
91) Benzo(g,h,i)perylene	26.91	276	1670484	19.844 ng/ul#	97

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F5C55

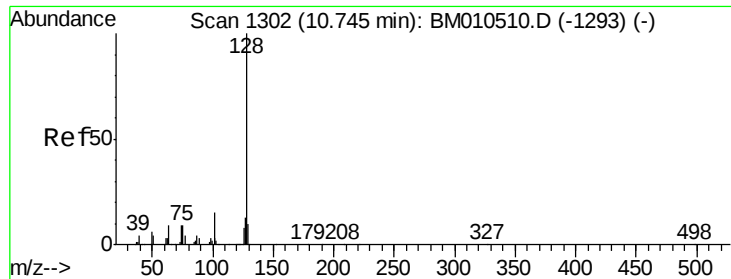
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Quant Time: Jun 12 09:25:58 2017
Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



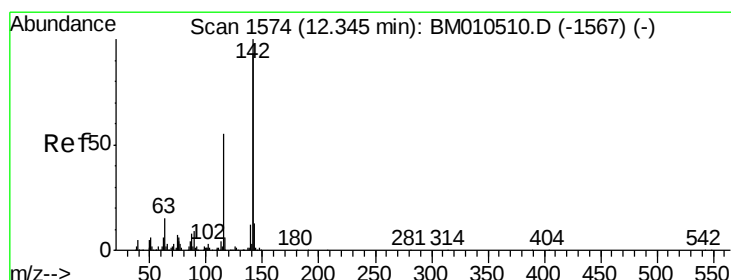
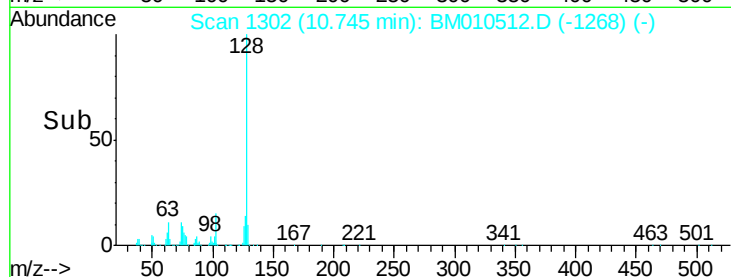
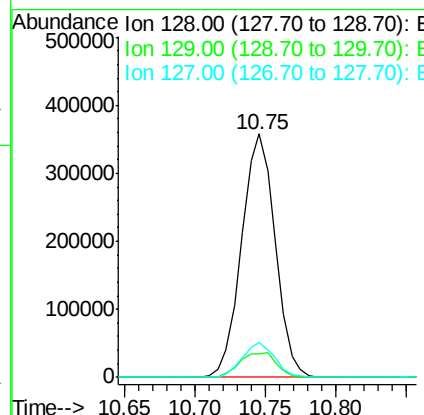
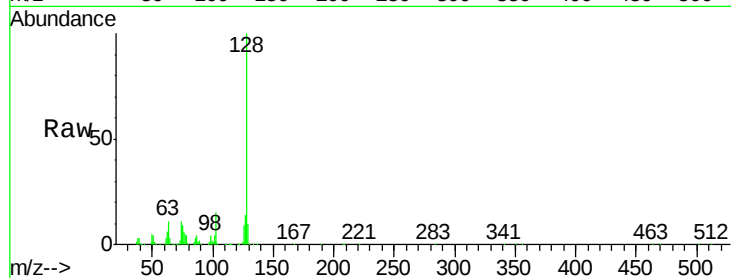
#28
Naphthalene
Concen: 20.402 ng/ul
RT: 10.75 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Instrument :
BNA_M
ClientSampleId :
F5C55

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	9.9	8.8	13.2
127	14.2	10.6	16.0

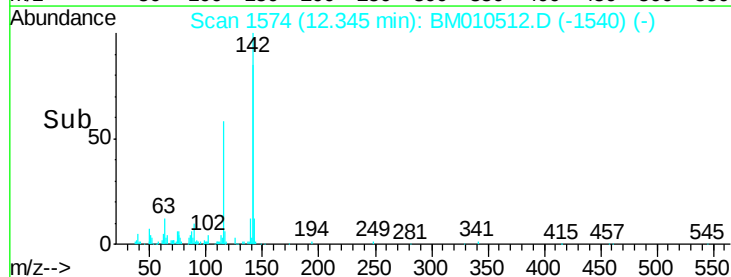
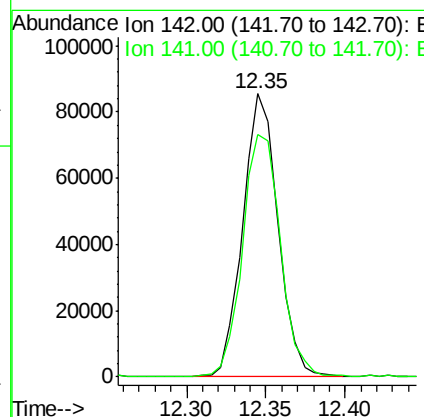
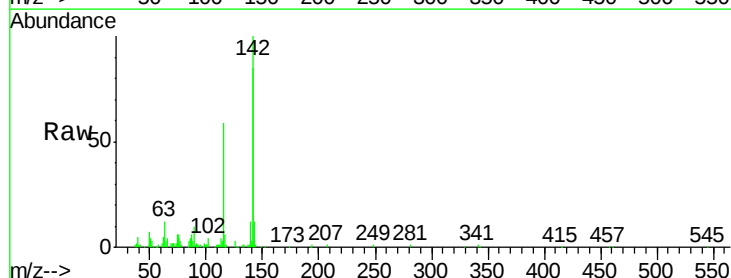
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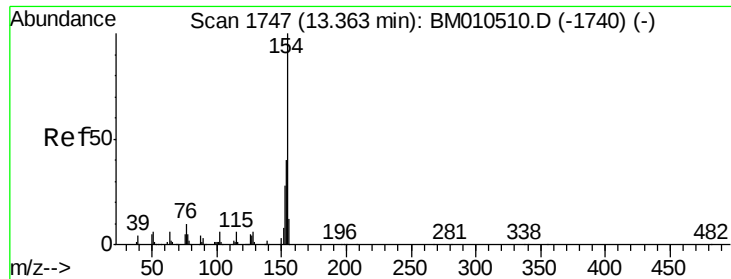
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#34
2-Methylnaphthalene
Concen: 5.965 ng/ul
RT: 12.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	85.5	74.1	111.1





#40

1,1'-Biphenyl

Concen: 1.677 ng/ul

RT: 13.36 min Scan# 1747

Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

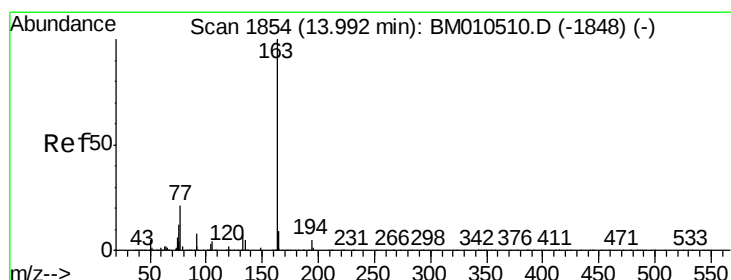
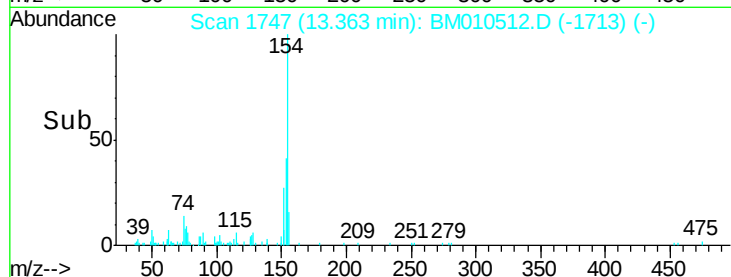
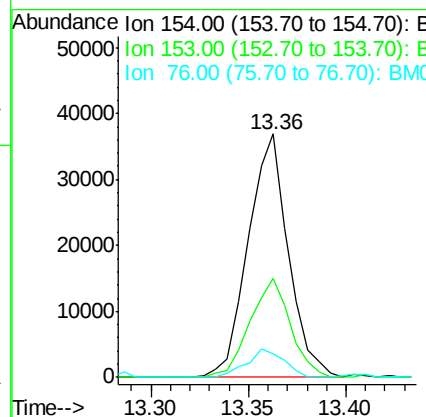
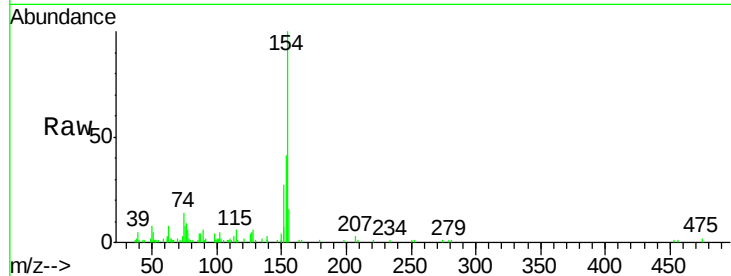
ClientSampleId :

F5C55

Tgt Ion:	154	Resp:	52461
Ion Ratio	Lower	Upper	
154	100		
153	40.8	32.6	48.8
76	9.5	8.5	12.7

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#44

Dimethylphthalate

Concen: 17.326 ng/ul

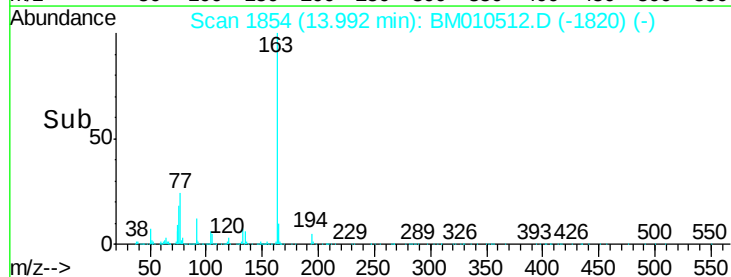
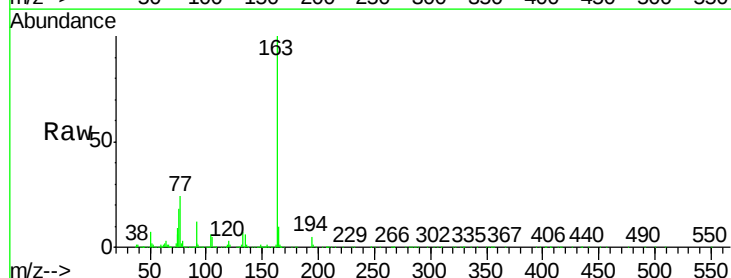
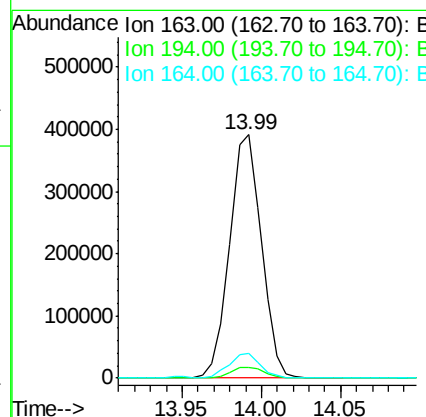
RT: 13.99 min Scan# 1854

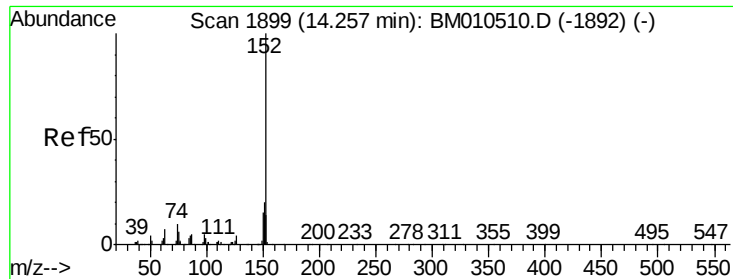
Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Tgt Ion:	163	Resp:	545903
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.5	5.3
164	10.2	8.2	12.4





#47

Acenaphthylene

Concen: 10.768 ng/ul

RT: 14.26 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

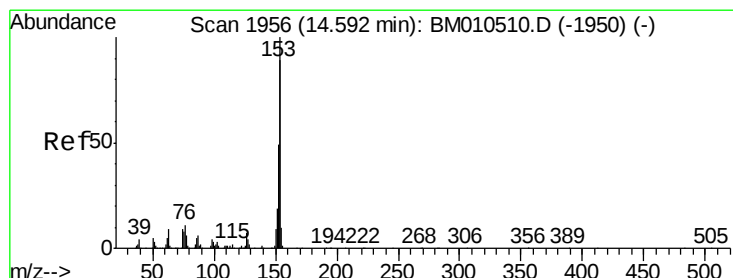
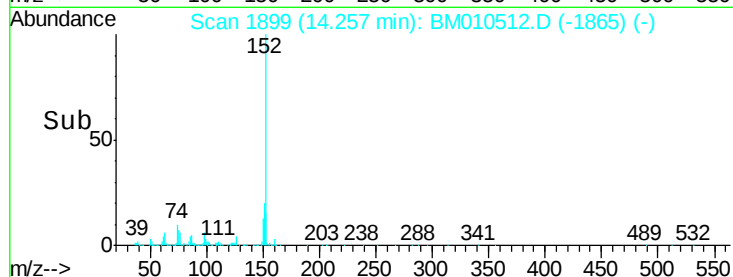
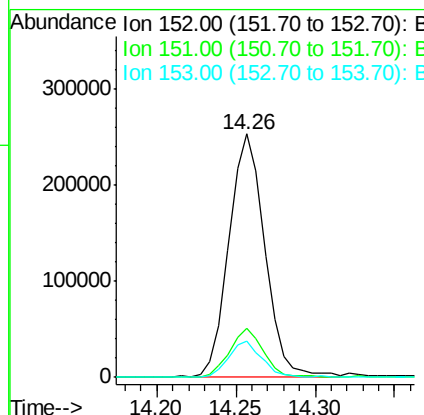
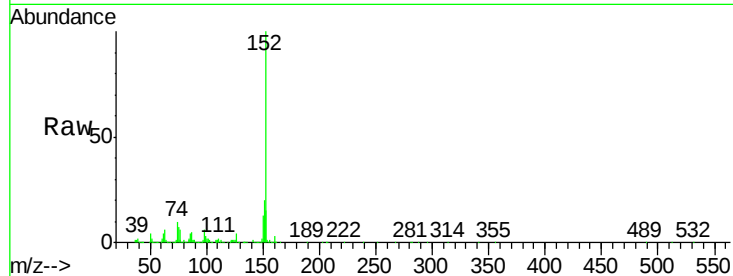
ClientSampleId :

F5C55

Tgt Ion:	152	Resp:	393280
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	15.0	10.2	15.4

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#49

Acenaphthene

Concen: 4.286 ng/ul

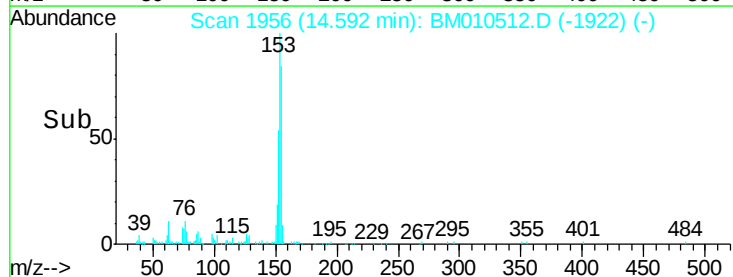
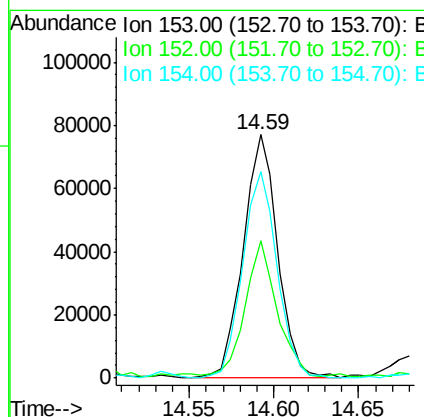
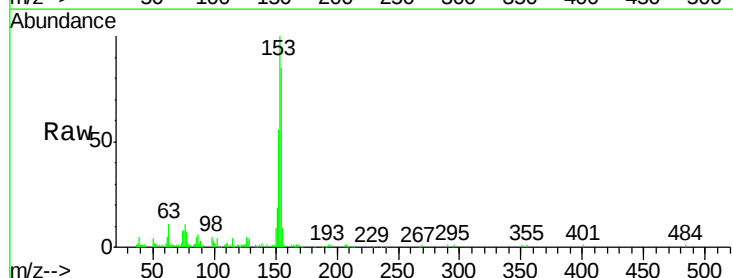
RT: 14.59 min Scan# 1956

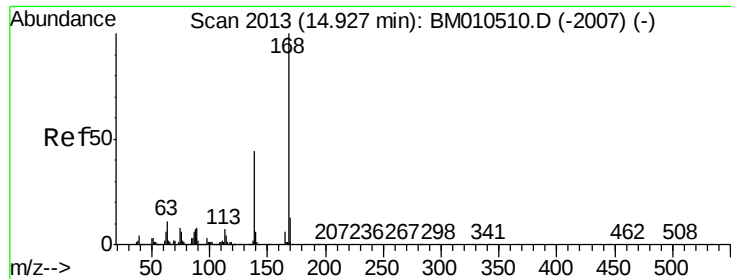
Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Tgt Ion:	153	Resp:	109797
Ion Ratio	Lower	Upper	
153	100		
152	56.4	37.6	56.4
154	85.1	70.4	105.6





#53

Dibenzenofuran

Concen: 6.700 ng/ul

RT: 14.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

ClientSampleId :

F5C55

Tgt Ion:168 Resp: 253775

Ion Ratio Lower Upper

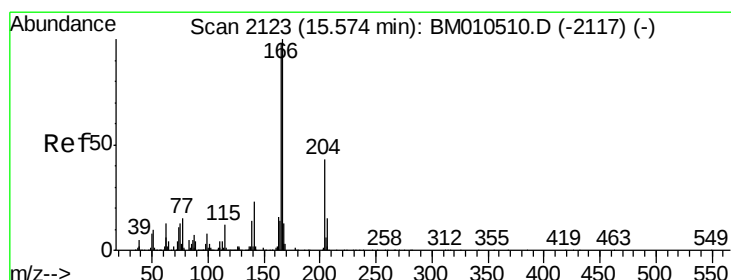
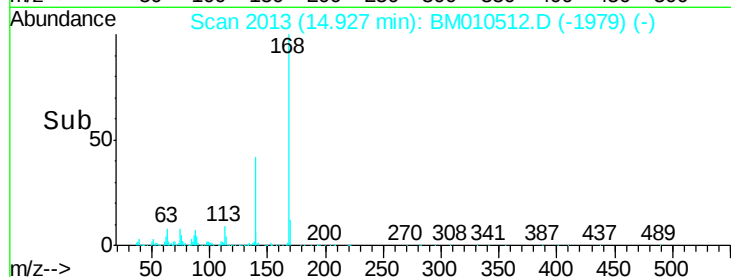
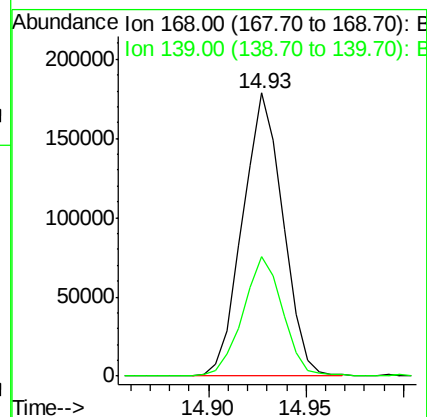
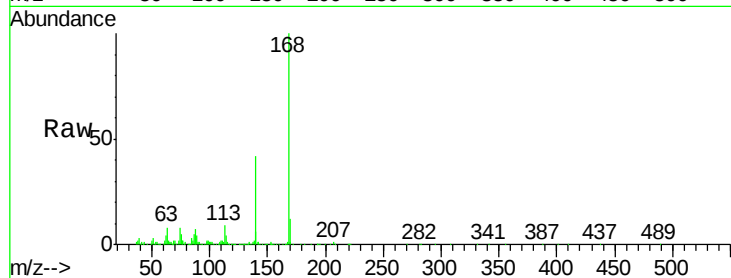
168 100

139 42.1 30.8 46.2

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#58

Fluorene

Concen: 9.211 ng/ul

RT: 15.57 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

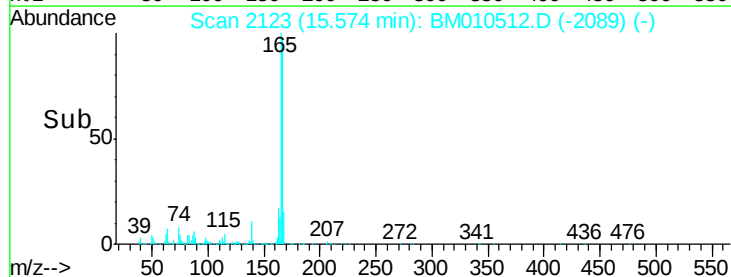
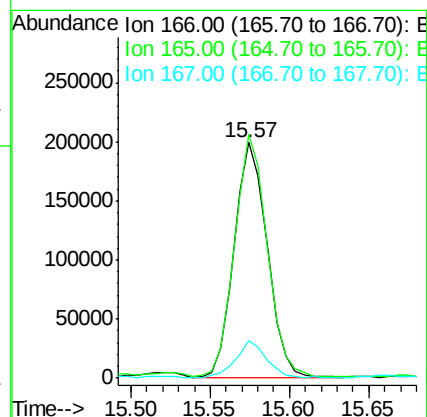
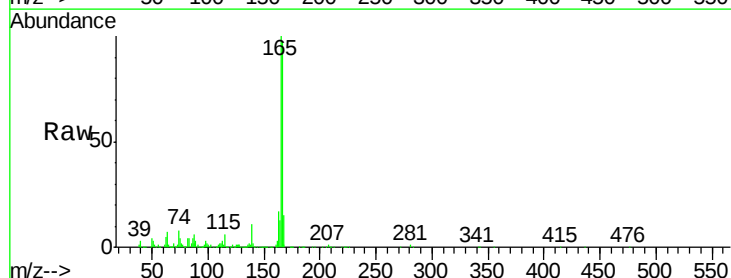
Tgt Ion:166 Resp: 286191

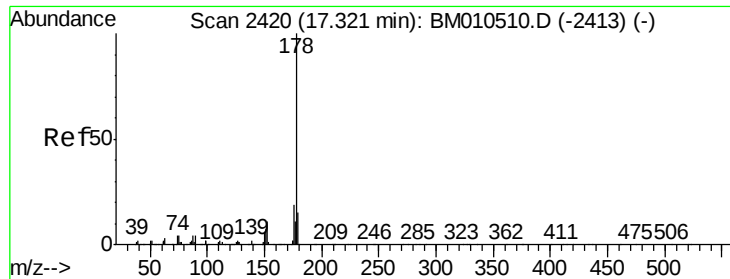
Ion Ratio Lower Upper

166 100

165 103.3 77.9 116.9

167 15.9 10.6 16.0





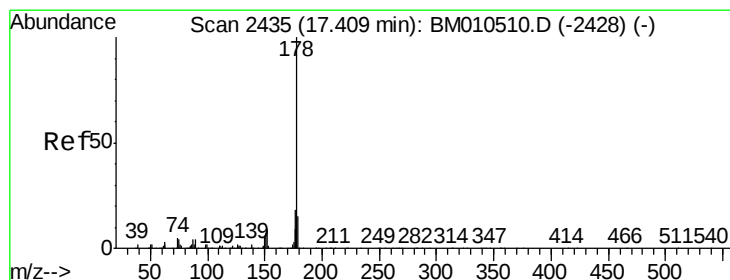
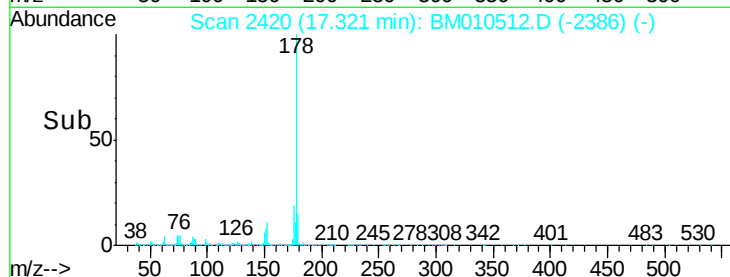
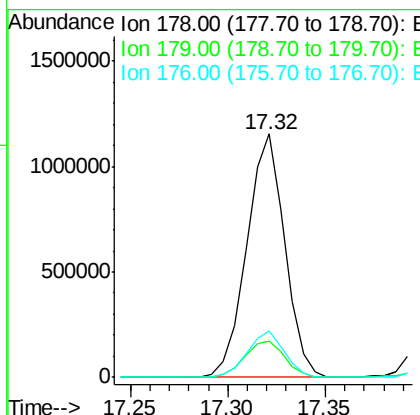
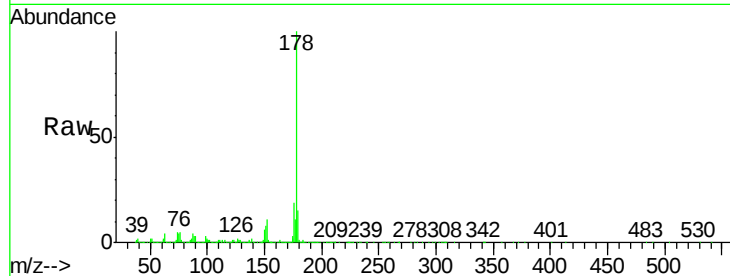
#69
Phenanthrene
Concen: 30.885 ng/ul
RT: 17.32 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.9	14.9	22.3

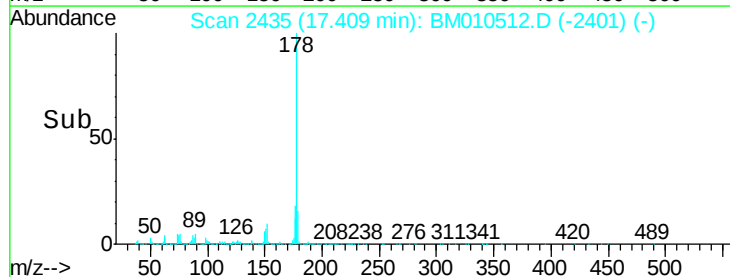
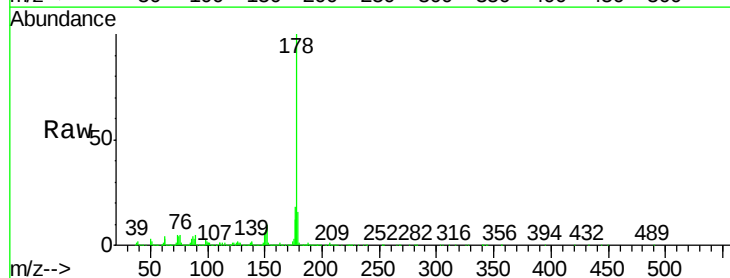
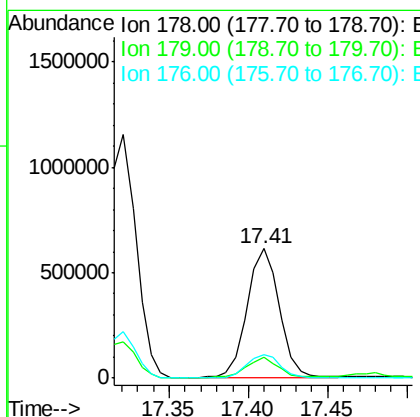
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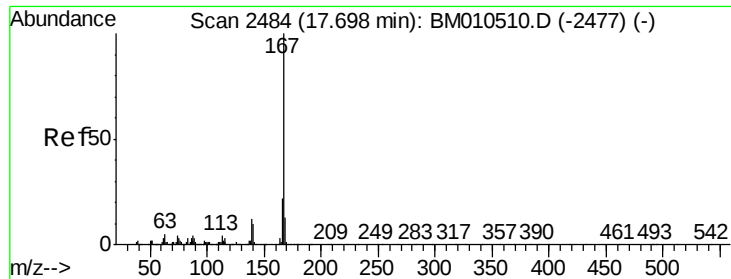
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#71
Anthracene
Concen: 16.521 ng/ul
RT: 17.41 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	18.1	14.6	21.8





#72

Carbazole

Concen: 5.346 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

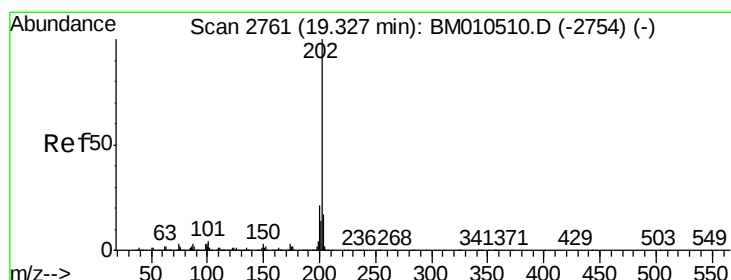
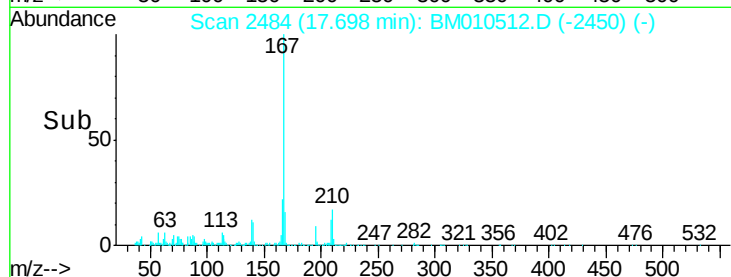
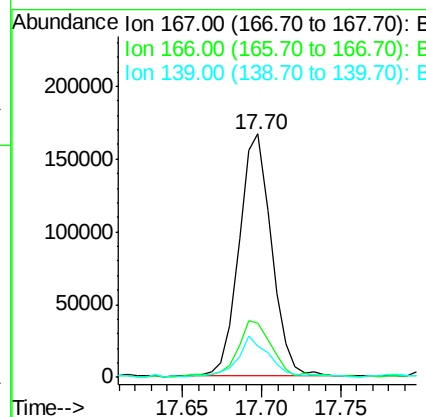
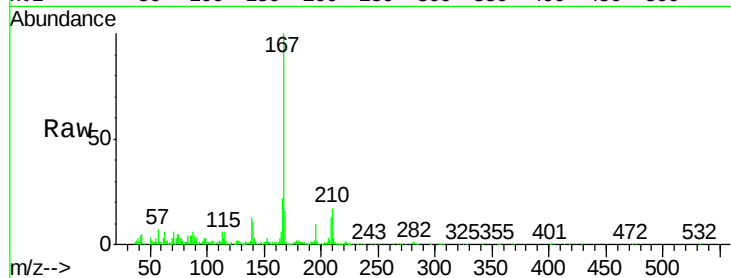
ClientSampleId :

F5C55

Tgt Ion:	167	Resp:	236700
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.1	25.7
139	12.9	10.0	15.0

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#74

Fluoranthene

Concen: 57.842 ng/ul m

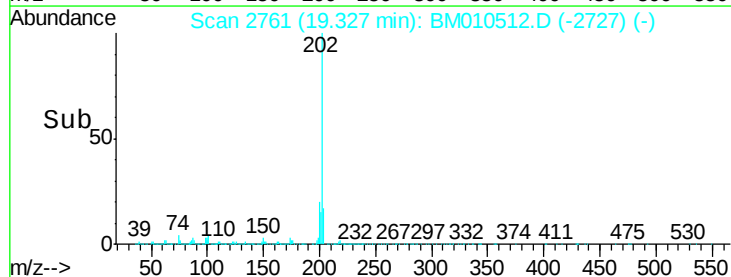
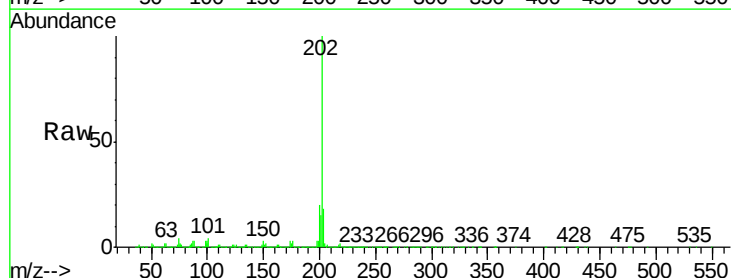
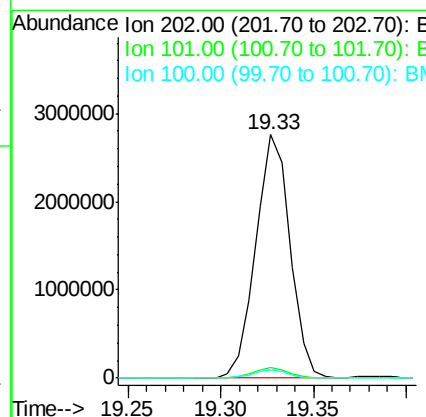
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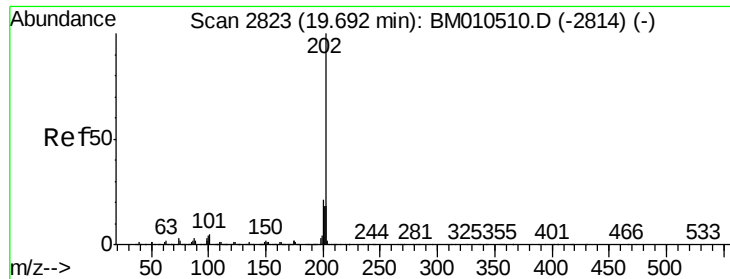
Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Tgt Ion:	202	Resp:	3564099
Ion Ratio	Lower	Upper	
202	100		
101	4.2	4.6	7.0#
100	3.3	3.4	5.2#





#77

Pyrene

Concen: 163.930 ng/ul

RT: 19.70 min Scan# 2824

Delta R.T. 0.01 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

ClientSampleId :

F5C55

Tgt Ion:202 Resp:12254643

Ion Ratio Lower Upper

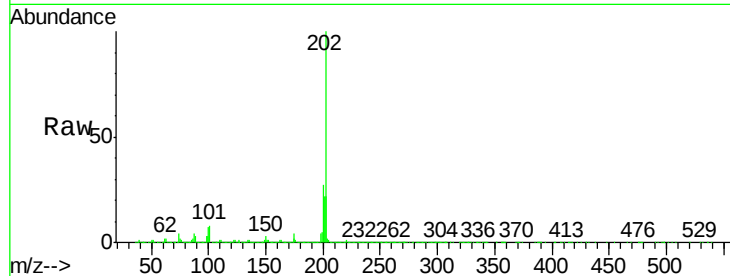
202 100

101 7.5 5.1 7.7

100 6.6 4.9 7.3

Manual Integrations
APPROVED

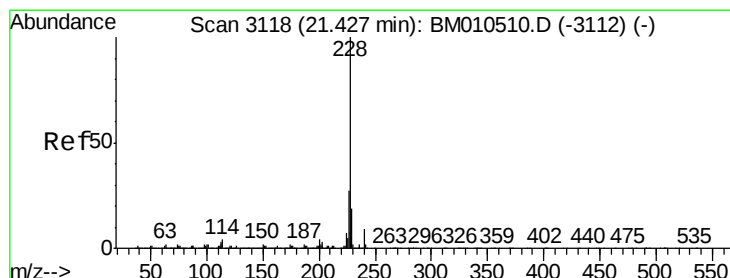
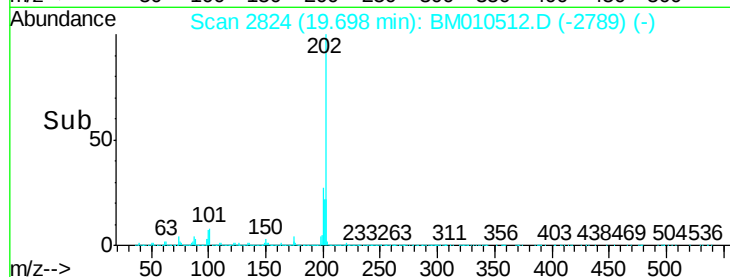
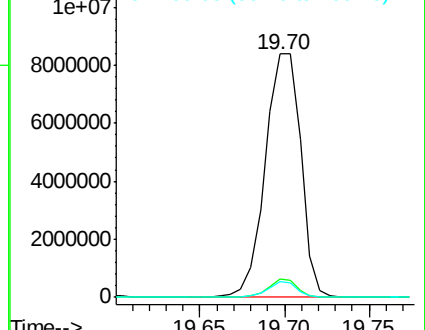
mohammad
6/12/2017 3:41:13 PM



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: 73.709 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

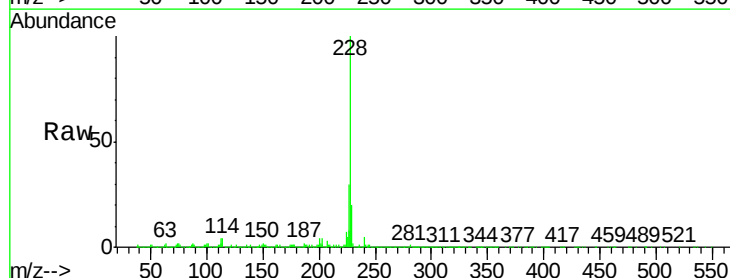
Tgt Ion:228 Resp: 6029906

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

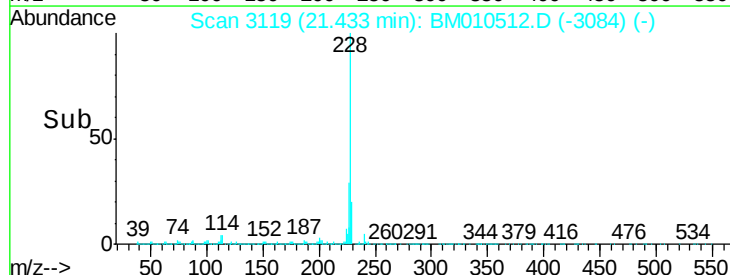
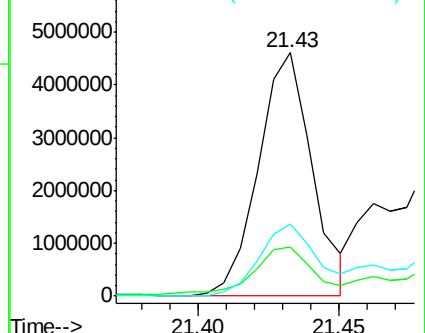
226 29.6 21.4 32.0

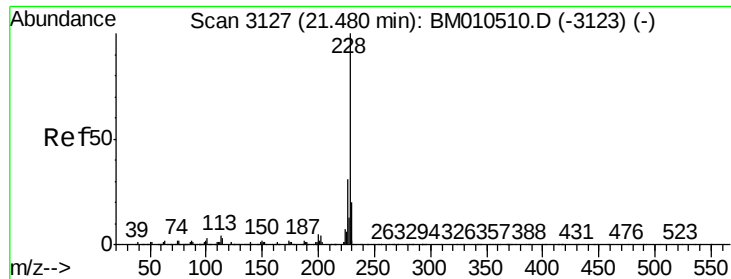


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





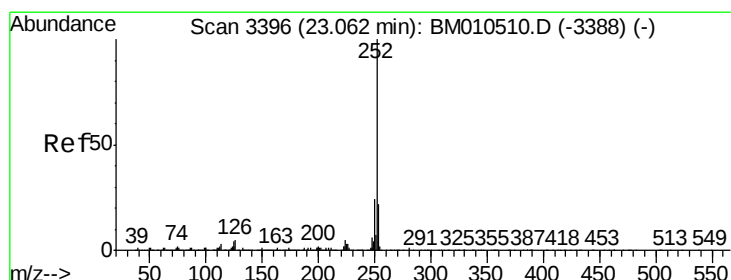
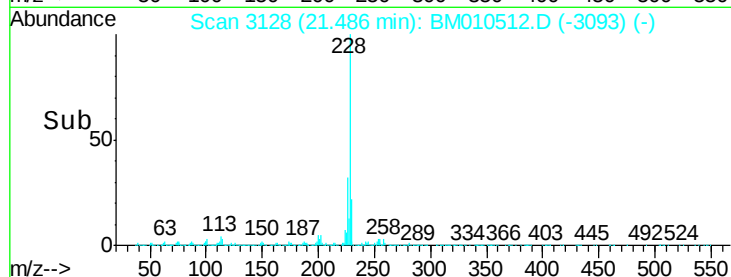
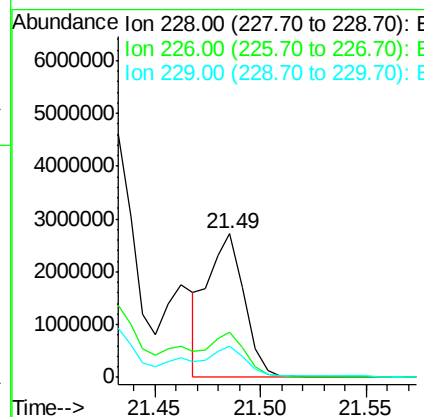
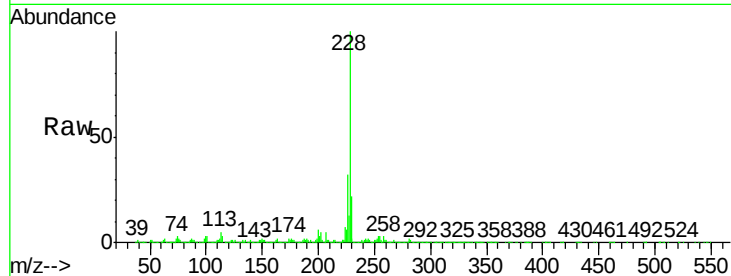
#82
Chrysene
Concen: 43.023 ng/u1
RT: 21.49 min Scan# 3128
Delta R.T. 0.01 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Instrument :
BNA_M
ClientSampleId :
F5C55

Tgt Ion:228 Resp: 3181608
Ion Ratio Lower Upper
228 100
226 32.0 23.4 35.2
229 22.0 15.5 23.3

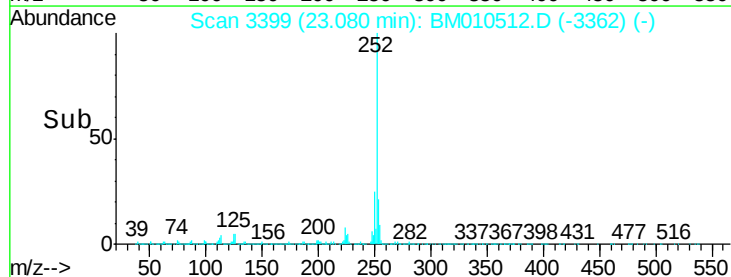
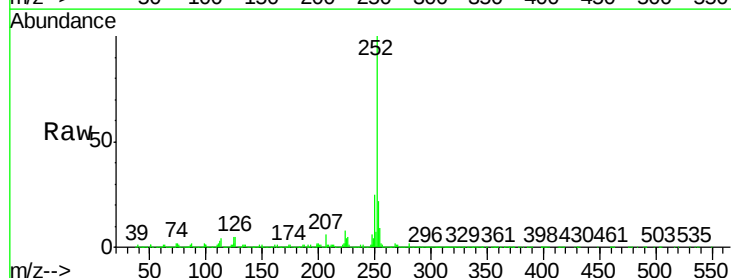
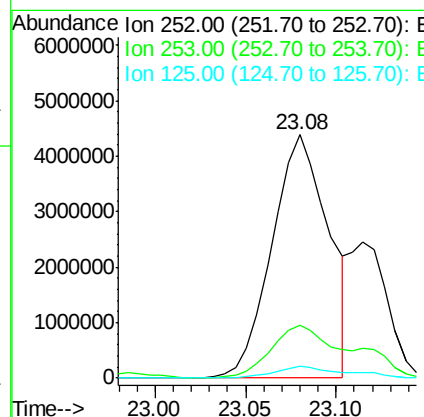
Manual Integrations
APPROVED

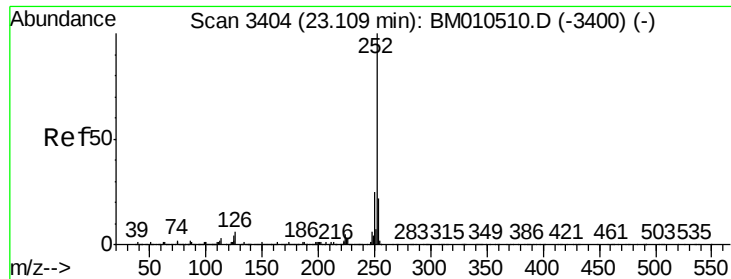
mohammad
6/12/2017 3:41:13 PM



#85
Benzo(b)fluoranthene
Concen: 116.655 ng/u1
RT: 23.08 min Scan# 3399
Delta R.T. 0.02 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Tgt Ion:252 Resp: 9518335
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 4.7 3.6 5.4





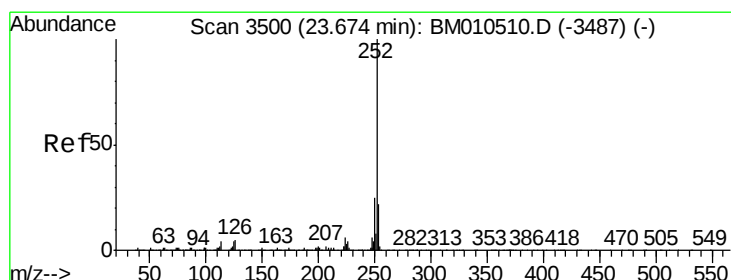
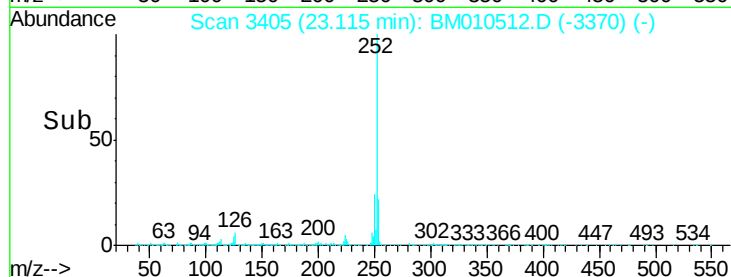
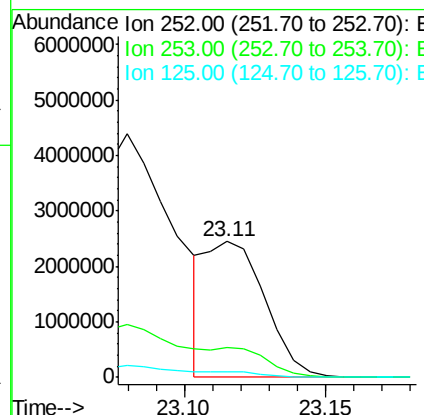
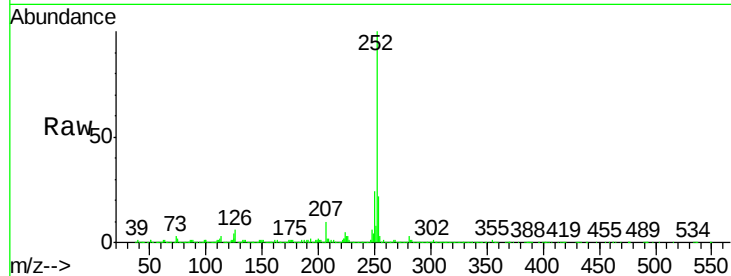
#86
Benzo(k)fluoranthene
Concen: 45.247 ng/ul m
RT: 23.11 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Instrument :
BNA_M
ClientSampleId :
F5C55

Tgt Ion:252 Resp: 3526916
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 4.2 3.4 5.2

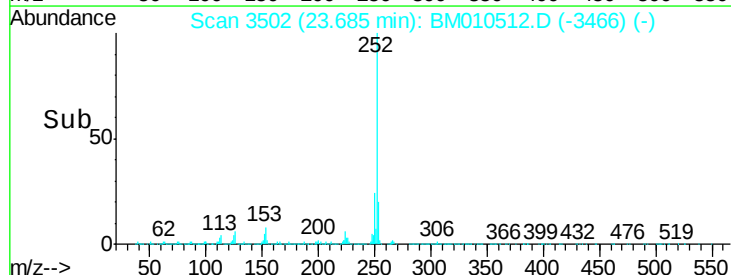
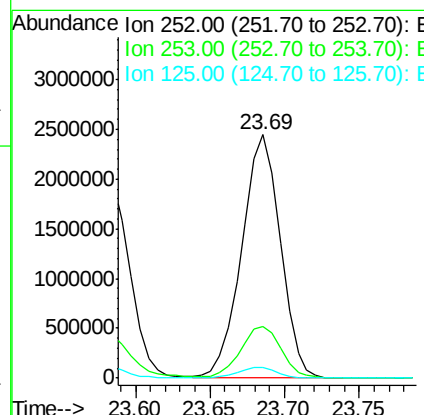
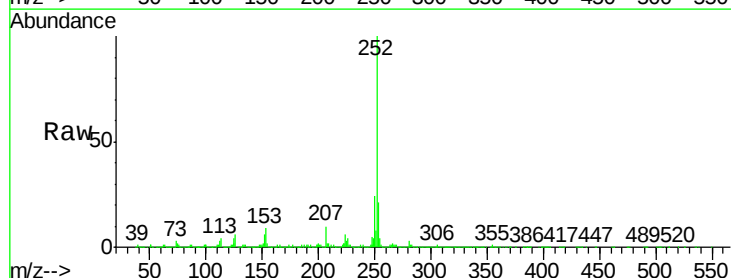
Manual Integrations
APPROVED

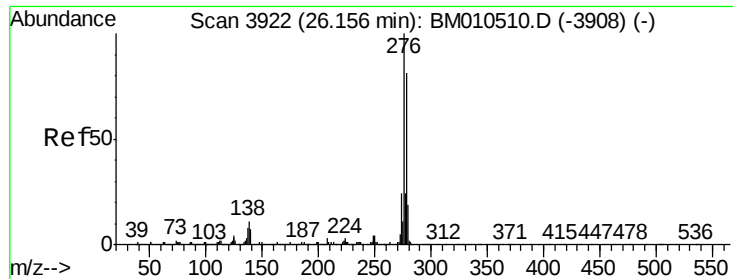
mohammad
6/12/2017 3:41:13 PM



#88
Benzo(a)pyrene
Concen: 53.894 ng/ul
RT: 23.69 min Scan# 3502
Delta R.T. 0.01 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Tgt Ion:252 Resp: 4358866
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 4.1 4.0 6.0





#89

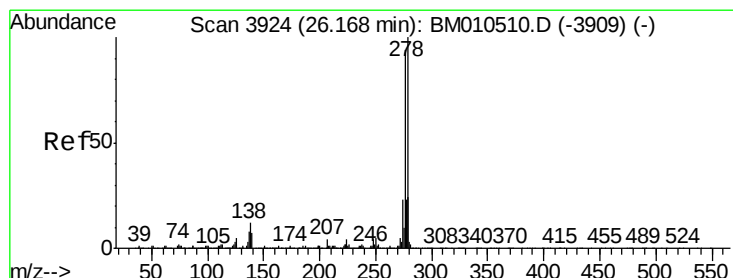
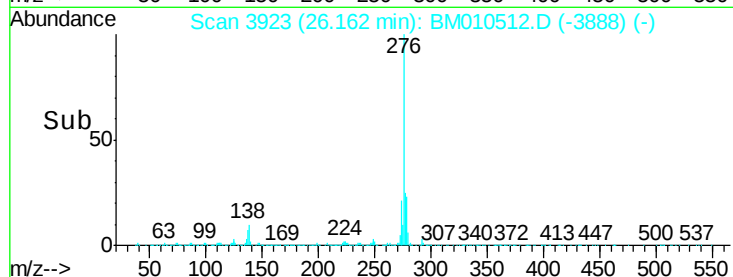
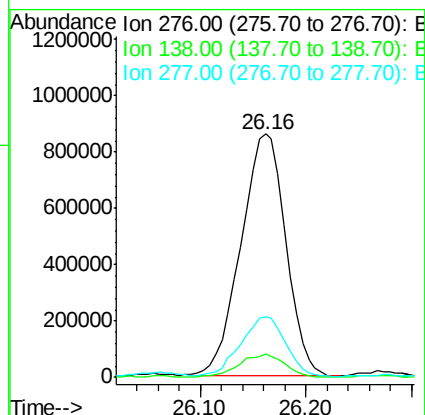
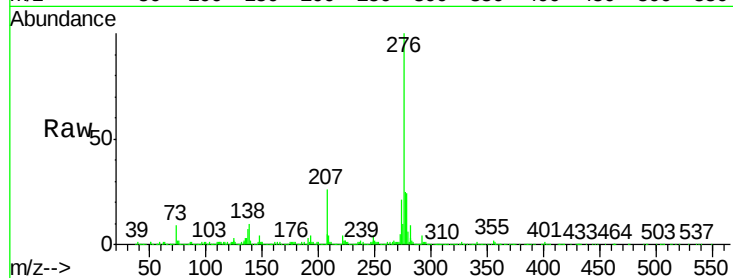
Indeno(1,2,3-cd)pyrene
Concen: 24.871 ng/ul
RT: 26.16 min Scan# 3923
Delta R.T. 0.01 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Instrument :
BNA_M
ClientSampled :
F5C55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.6	9.3	13.9
277	24.8	19.9	29.9

Manual Integrations
APPROVED

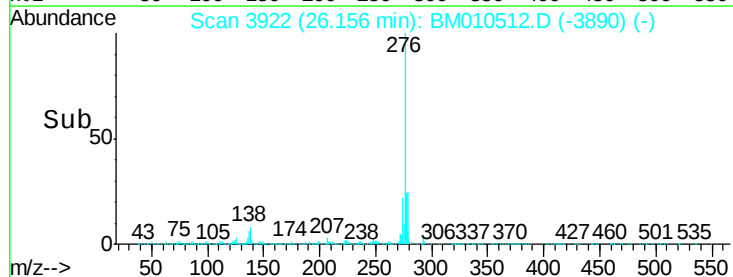
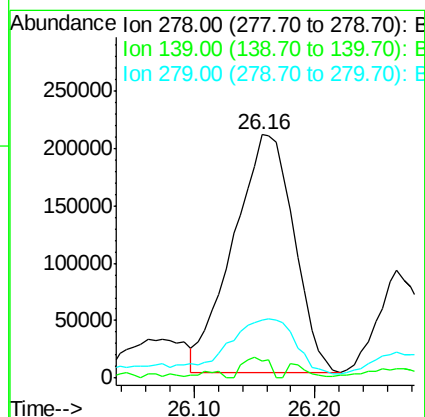
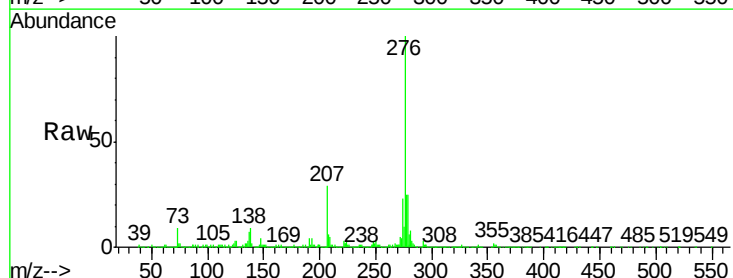
mohammad
6/12/2017 3:41:13 PM

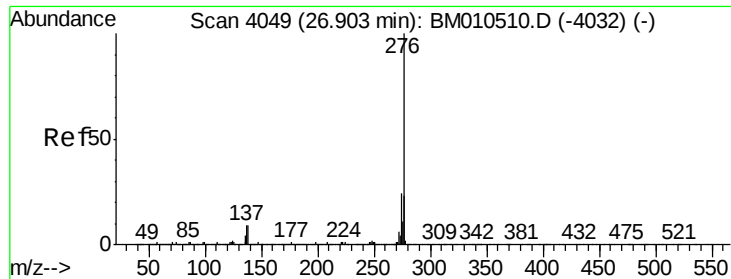


#90

Dibenzo(a,h)anthracene
Concen: 8.198 ng/ul
RT: 26.16 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.0	5.8	8.8
279	23.7	18.6	27.8





#91

Benzo(g,h,i)perylene

Concen: 19.844 ng/ul

RT: 26.91 min Scan# 4050

Delta R.T. 0.01 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

ClientSampleId :

F5C55

Tgt Ion: 276 Resp: 1670484

Ion Ratio Lower Upper

276 100

138 8.4 8.5 12.7#

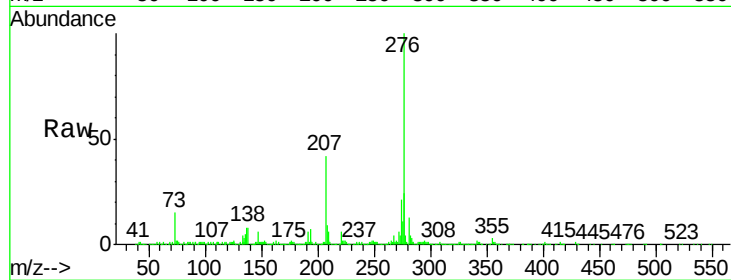
277 24.1 18.6 28.0

Manual Integrations

APPROVED

mohammad

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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

