

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
 Data File : BM010550.D
 Acq On : 13 Jun 2017 00:09
 Operator : SJ/MA
 Sample : I3522-19DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D32DL

Manual Integrations
 APPROVED

mohammad
 6/13/2017 3:54:45 PM

Quant Time: Jun 13 04:13:50 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 13 03:33:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	131089	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	456062	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	307739	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	822694	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1211767	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1288119	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	2425m	0.76	ng/uL	0.01
5) Phenol-d5	7.08	99	24864	2.50	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	14799	2.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	22441	2.83	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	19434	2.42	ng/ul	0.00
19) Nitrobenzene-d5	9.08	128	9475	2.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	11274	2.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	24668	3.10	ng/ul	0.01
29) 4-Chloroaniline-d4	10.86	131	24362	3.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	95803	3.75	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	90012	3.02	ng/ul	0.00
51) 4-Nitrophenol-d4	14.79	143	5820	1.52	ng/ul	0.02
57) Fluorene-d10	15.52	176	82648	3.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	13477	2.31	ng/ul	0.00
70) Anthracene-d10	17.37	188	134814	3.37	ng/ul	0.00
76) Pyrene-d10	19.66	212	175625	3.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	193535	3.23	ng/ul	-0.01

Target Compounds

					Qvalue	
34) 2-Methylnaphthalene	12.34	142	68456	3.947	ng/ul	84
40) 1,1'-Biphenyl	13.36	154	37691	1.510	ng/ul	90
44) Dimethylphthalate	13.99	163	70316	2.796	ng/ul#	95
49) Acenaphthene	14.59	153	312102	15.267	ng/ul	97
53) Dibenzofuran	14.92	168	422004	13.961	ng/ul	95
58) Fluorene	15.57	166	465665	18.780	ng/ul	97
69) Phenanthrene	17.32	178	2316995	52.755	ng/ul	99
71) Anthracene	17.40	178	334414	7.294	ng/ul	96
74) Fluoranthene	19.32	202	1765795	32.695	ng/ul#	94
77) Pyrene	19.69	202	1181241	18.917	ng/ul#	94
80) Benzo(a)anthracene	21.42	228	479076	7.011	ng/ul	96
82) Chrysene	21.47	228	385657	6.243	ng/ul	98
85) Benzo(b)fluoranthene	23.06	252	357210m	4.766	ng/ul	
86) Benzo(k)fluoranthene	23.10	252	152804	2.134	ng/ul	93
88) Benzo(a)pyrene	23.67	252	232692	3.132	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	26.14	276	102834	1.096	ng/ul	95

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

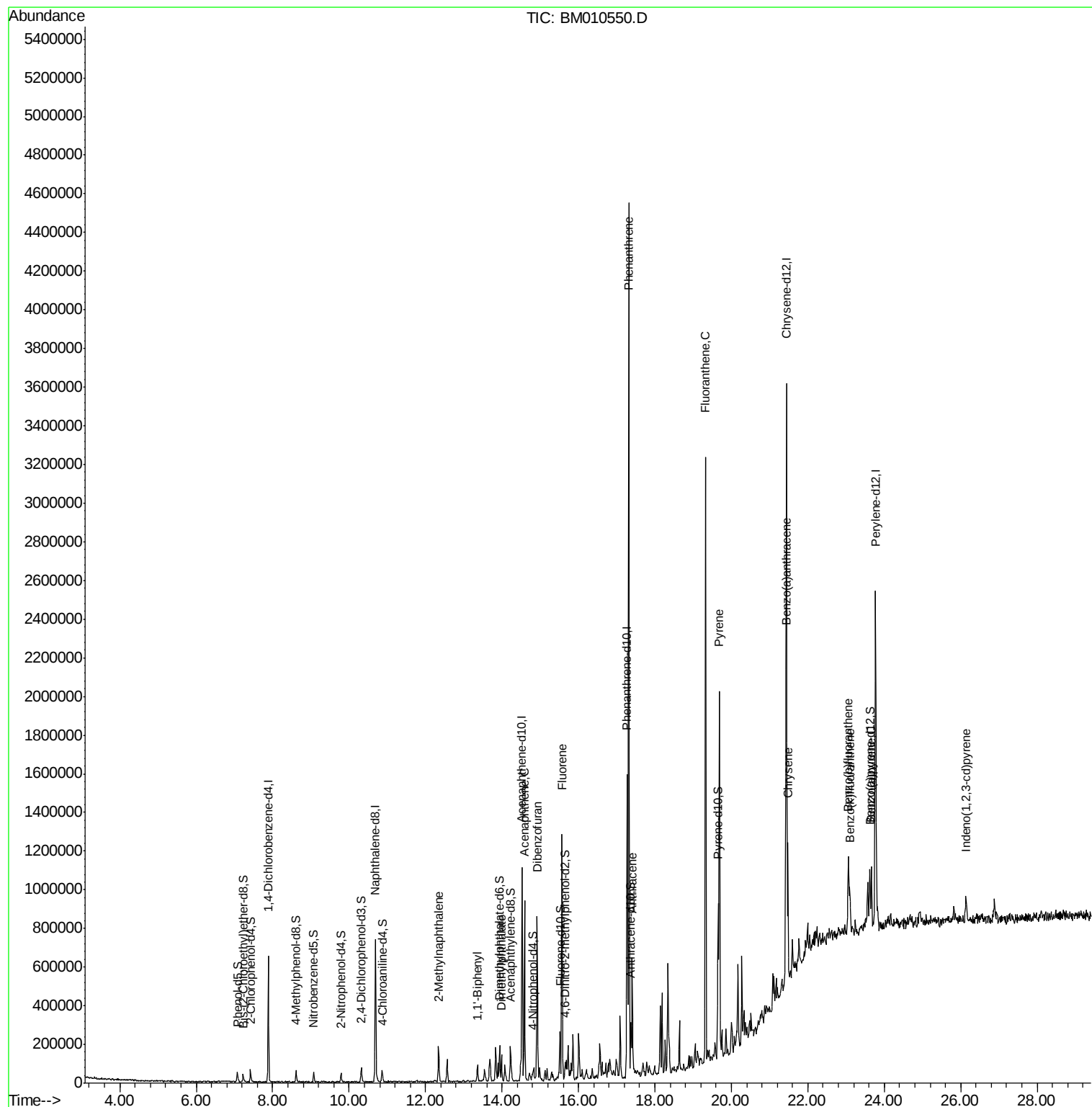
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Data File : BM010550.D
Acq On : 13 Jun 2017 00:09
Operator : SJ/MA
Sample : I3522-19DL 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

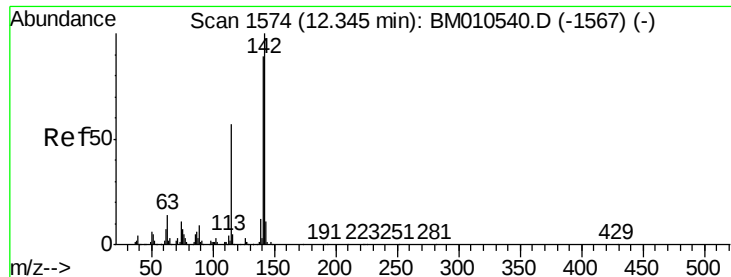
Instrument :
BNA_M
ClientSampleId :
F5D32DL

Manual Integrations
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6/13/2017 3:54:45 PM

Quant Time: Jun 13 04:13:50 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration





#34

2-Methylnaphthalene

Concen: 3.947 ng/ul

RT: 12.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

ClientSampleId :

F5D32DL

Tgt Ion:142 Resp: 68456

Ion Ratio Lower Upper

142 100

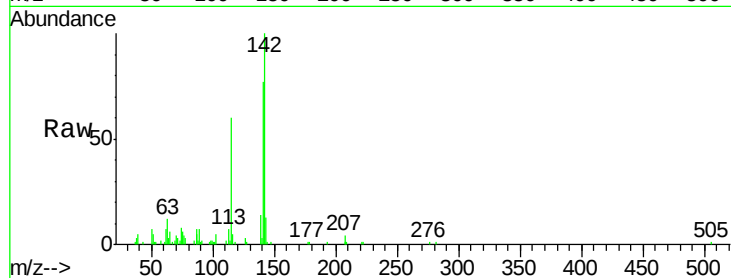
141 77.2 74.1 111.1

Manual Integrations

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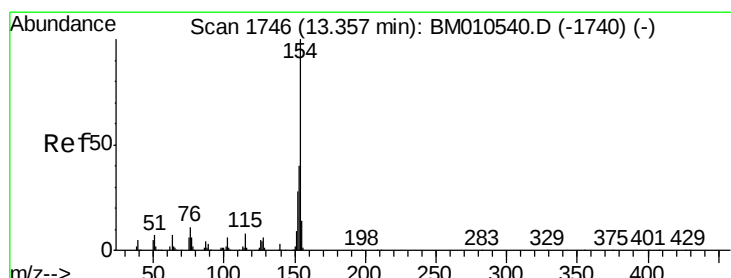
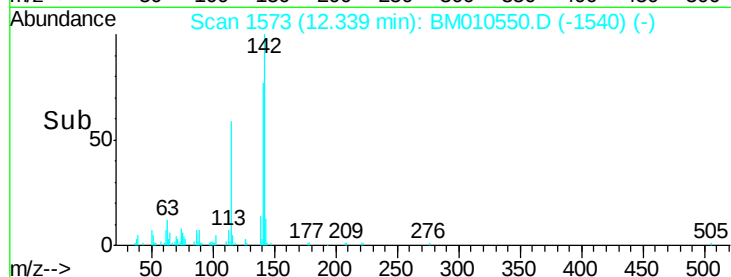


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.34

Time-->



#40

1,1'-Biphenyl

Concen: 1.510 ng/ul

RT: 13.36 min Scan# 1746

Delta R.T. 0.00 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

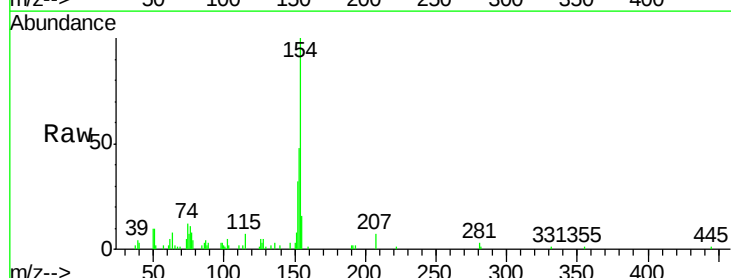
Tgt Ion:154 Resp: 37691

Ion Ratio Lower Upper

154 100

153 48.1 32.6 48.8

76 10.7 8.5 12.7



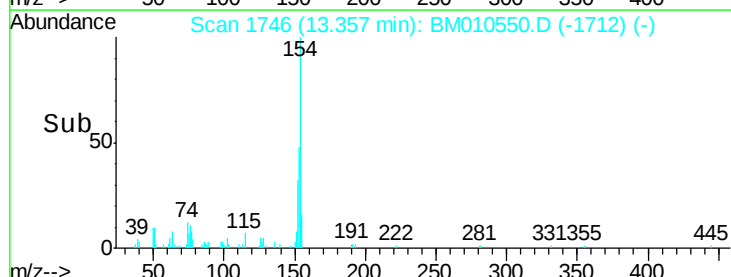
Abundance Ion 154.00 (153.70 to 154.70): E

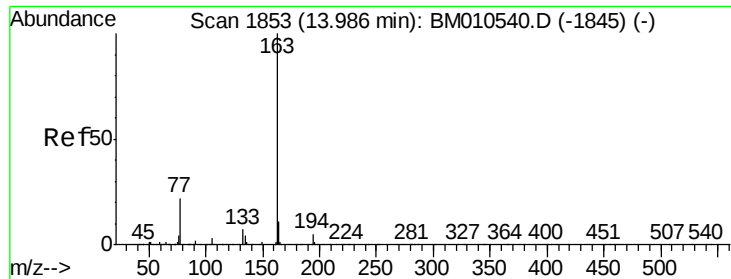
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

13.36

Time-->





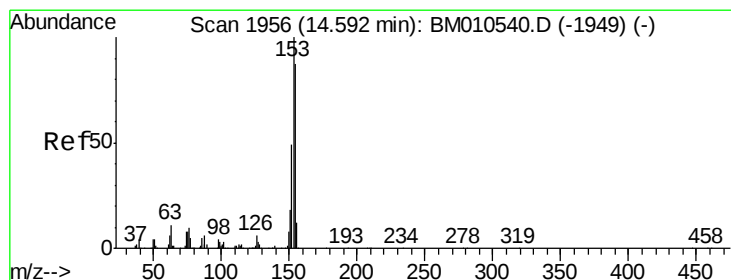
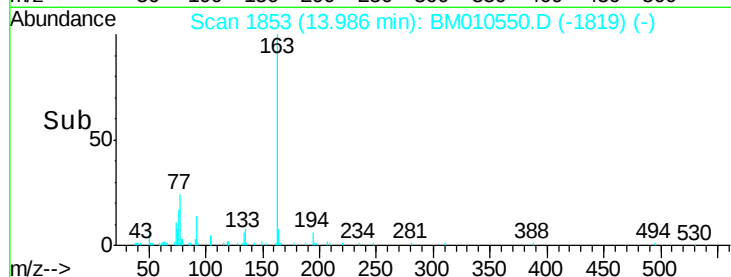
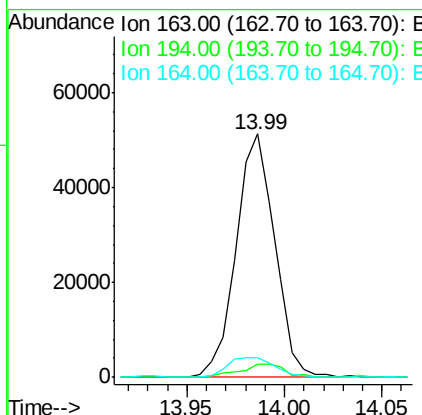
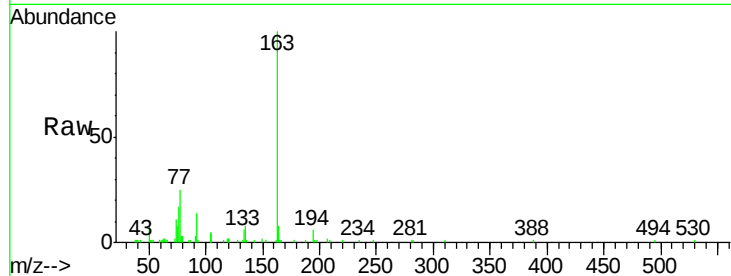
#44
Dimethylphthalate
Concen: 2.796 ng/ul
RT: 13.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BM010550.D
Acq: 13 Jun 2017 00:09

Instrument :
BNA_M
ClientSampleId :
F5D32DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	70316		
194	5.5	3.5	5.3#	
164	8.2	8.2	12.4#	

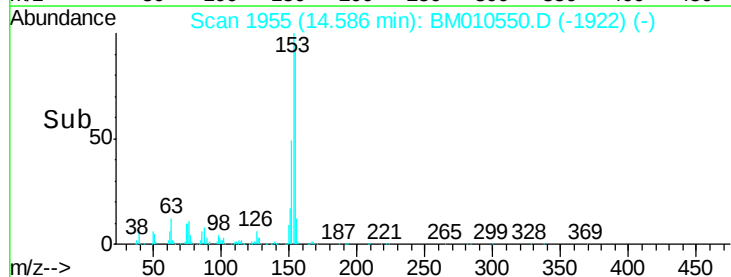
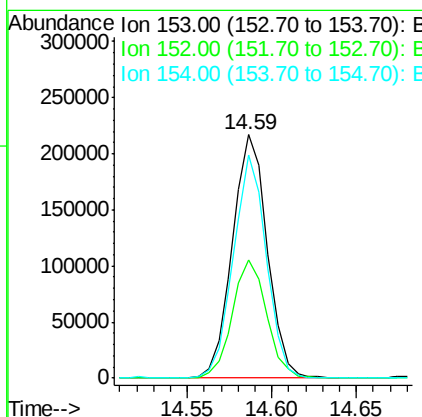
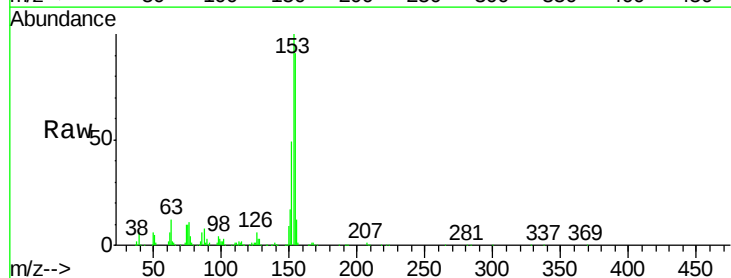
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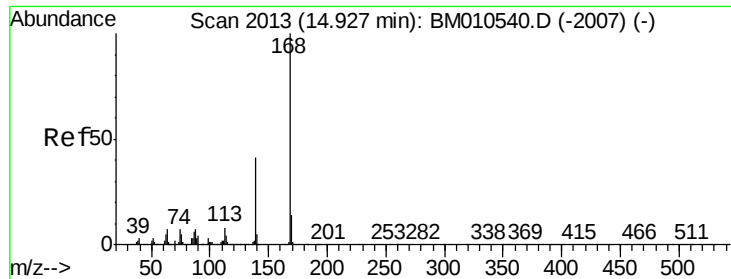
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#49
Acenaphthene
Concen: 15.267 ng/ul
RT: 14.59 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BM010550.D
Acq: 13 Jun 2017 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	312102		
152	48.8	37.6	56.4	
154	91.5	70.4	105.6	





#53

Dibenzenofuran

Concen: 13.961 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

ClientSampleId :

F5D32DL

Tgt Ion:168 Resp: 422004

Ion Ratio Lower Upper

168 100

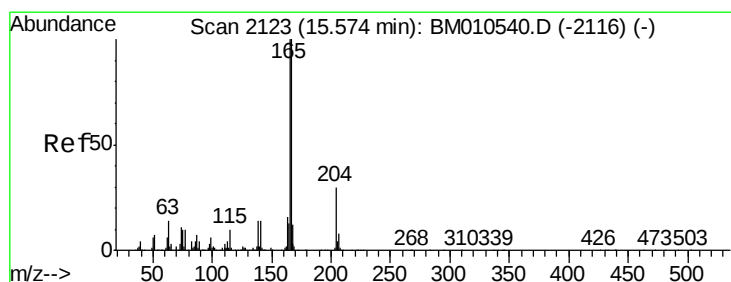
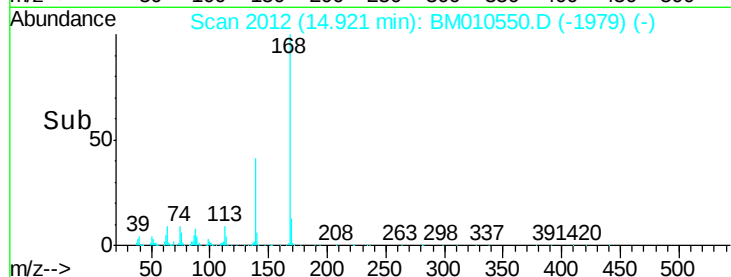
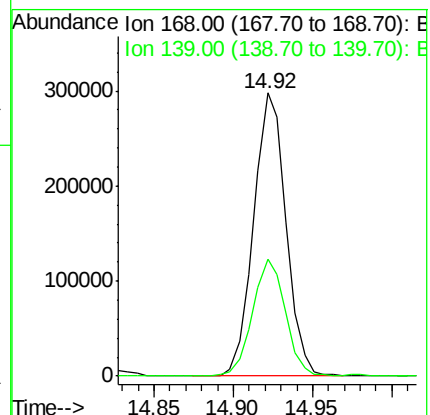
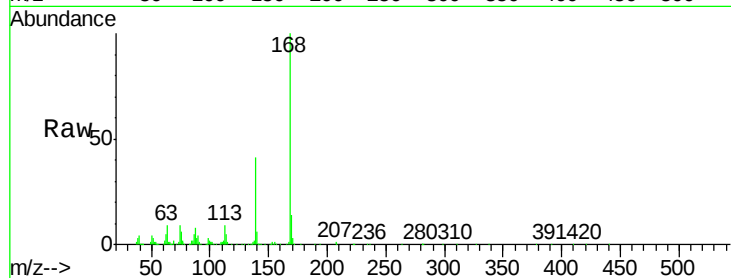
139 41.2 30.8 46.2

Manual Integrations

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#58

Fluorene

Concen: 18.780 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

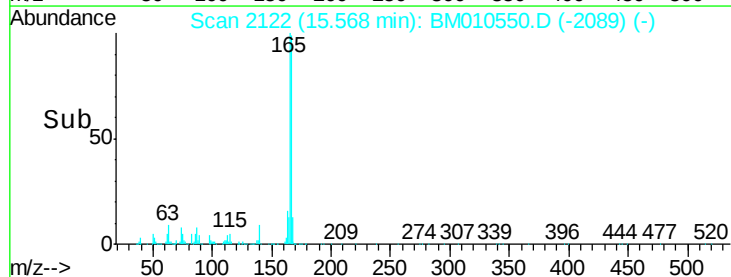
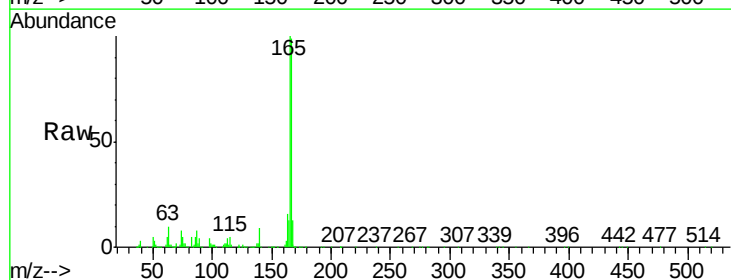
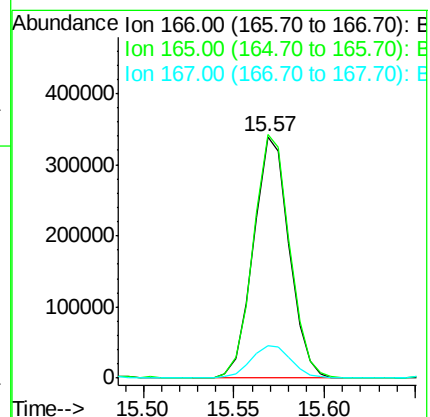
Tgt Ion:166 Resp: 465665

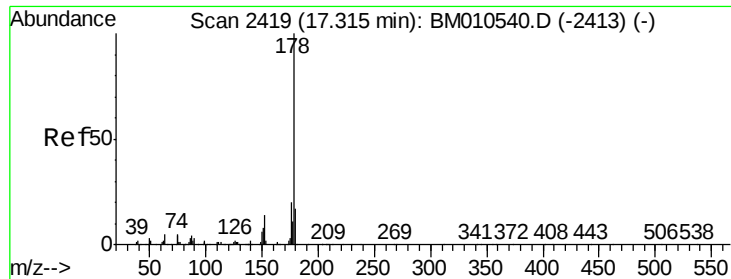
Ion Ratio Lower Upper

166 100

165 100.8 77.9 116.9

167 13.3 10.6 16.0





#69

Phenanthrene

Concen: 52.755 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.00 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

ClientSampleId :

F5D32DL

Tgt Ion:178 Resp: 2316995

Ion Ratio Lower Upper

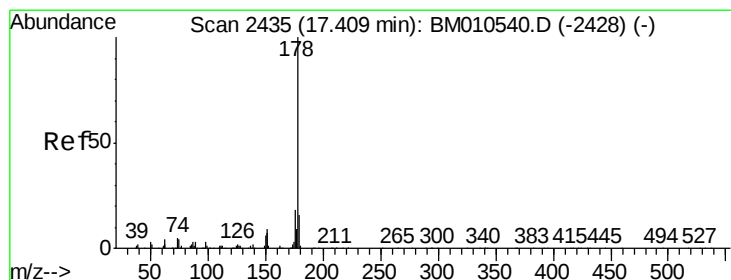
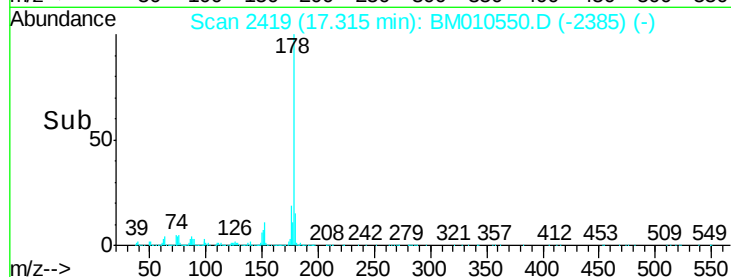
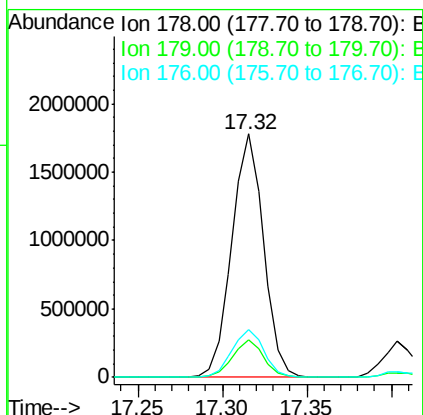
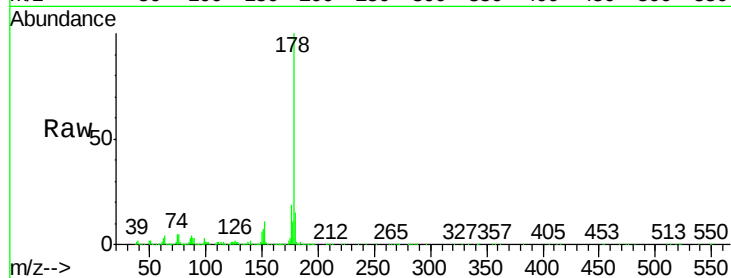
178 100

179 15.3 12.6 19.0

176 19.4 14.9 22.3

Manual Integrations
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#71

Anthracene

Concen: 7.294 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

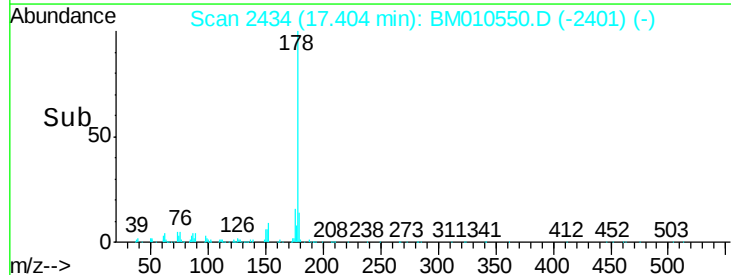
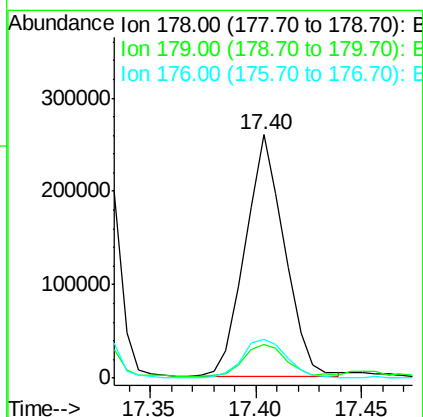
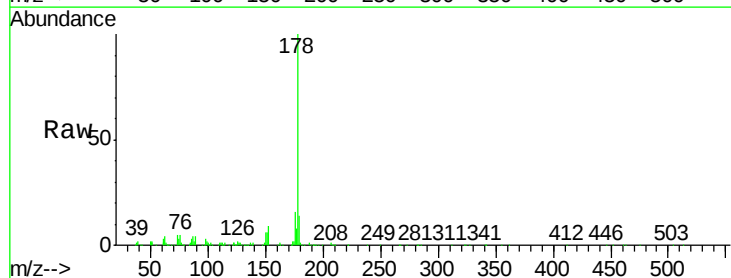
Tgt Ion:178 Resp: 334414

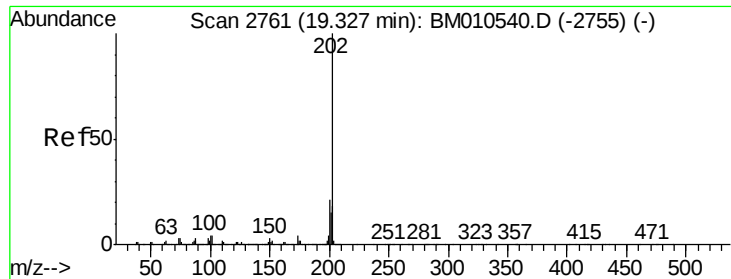
Ion Ratio Lower Upper

178 100

179 13.6 11.7 17.5

176 16.0 14.6 21.8





#74

Fluoranthene

Concen: 32.695 ng/ul

RT: 19.32 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

ClientSampleId :

F5D32DL

Tgt Ion:202 Resp: 1765795

Ion Ratio Lower Upper

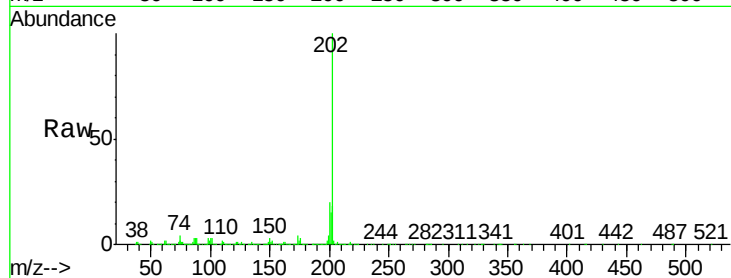
202 100

101 3.5 4.6 7.0#

100 2.9 3.4 5.2#

Manual Integrations
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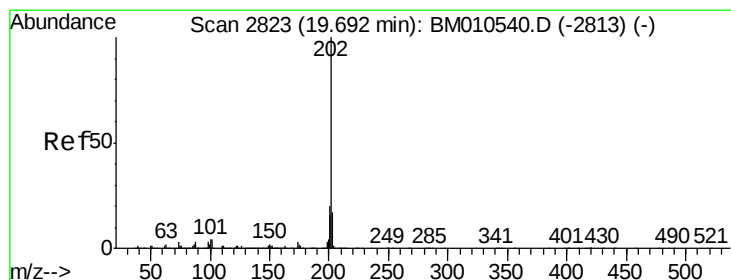
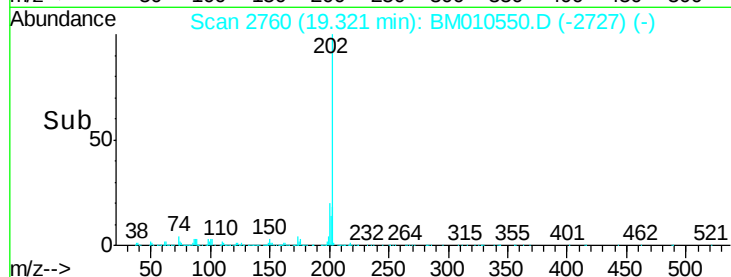
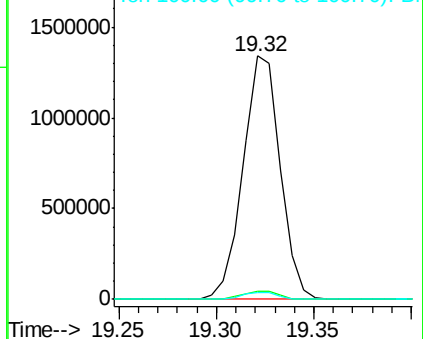
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 18.917 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

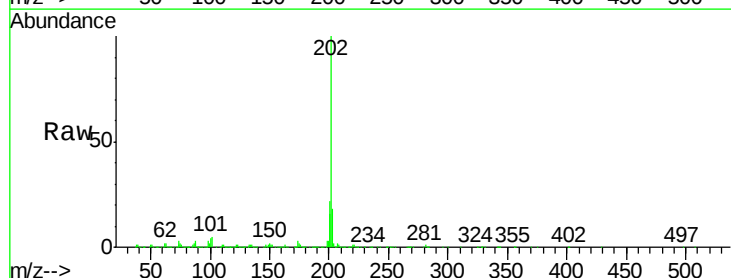
Tgt Ion:202 Resp: 1181241

Ion Ratio Lower Upper

202 100

101 4.6 5.1 7.7#

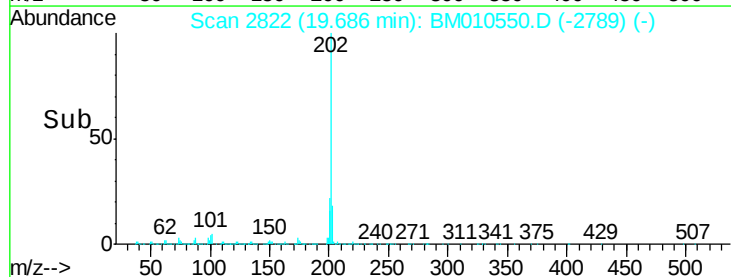
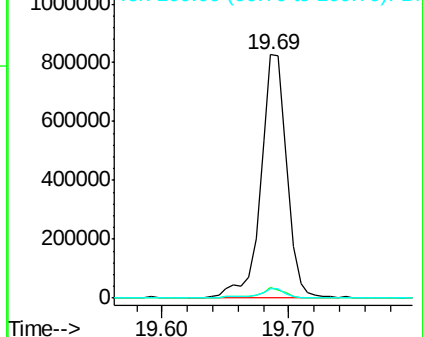
100 3.8 4.9 7.3#

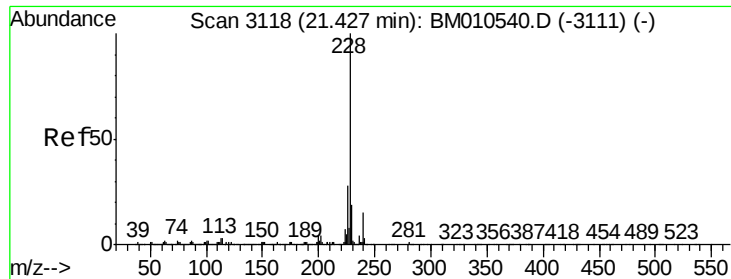


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





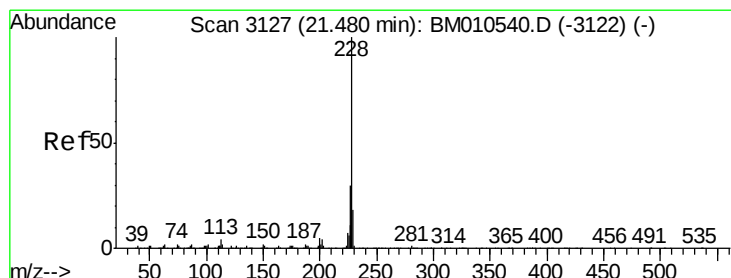
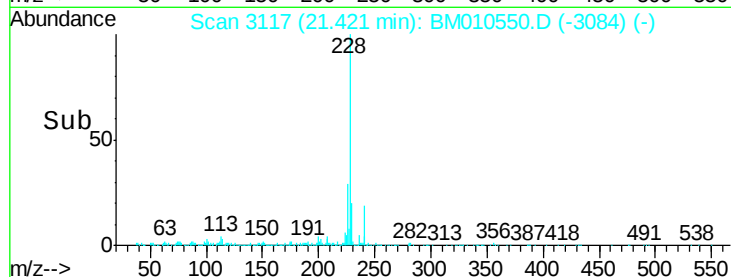
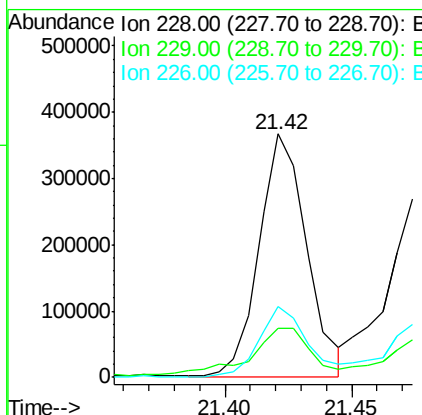
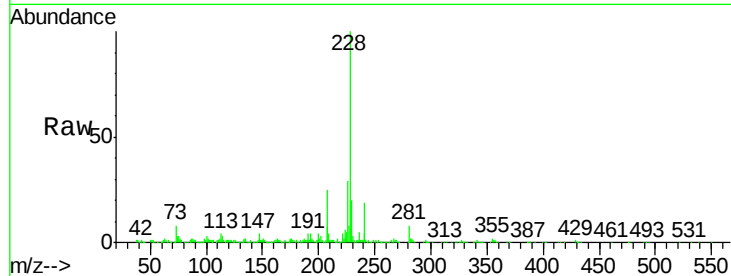
#80
Benzo(a)anthracene
Concen: 7.011 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM010550.D
Acq: 13 Jun 2017 00:09

Instrument :
BNA_M
ClientSampleId :
F5D32DL

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	28.9	21.4	32.0

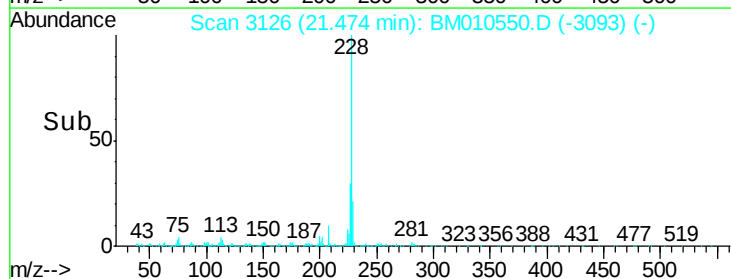
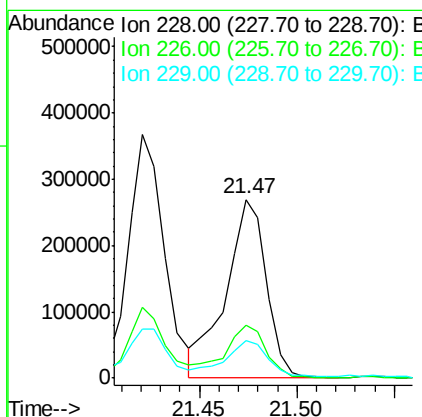
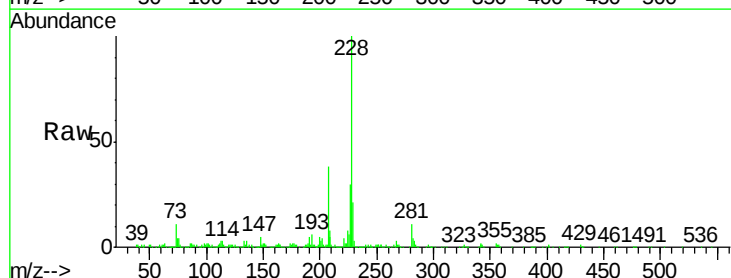
Manual Integrations
APPROVED

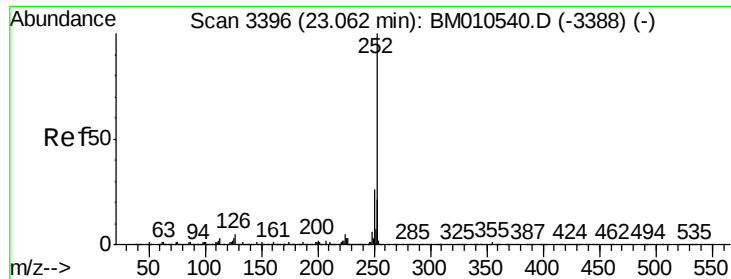
mohammad
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#82
Chrysene
Concen: 6.243 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM010550.D
Acq: 13 Jun 2017 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	21.1	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 4.766 ng/ul m

RT: 23.06 min Scan# 3395

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

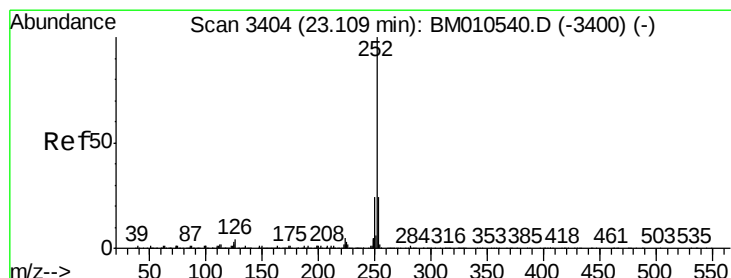
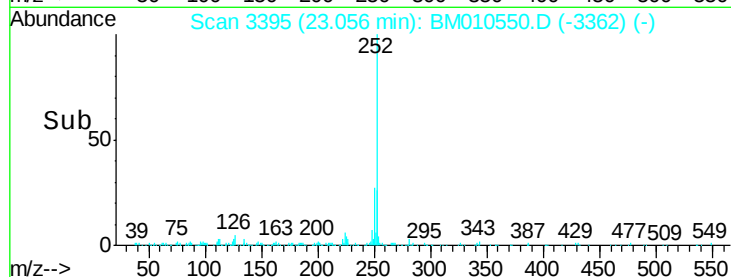
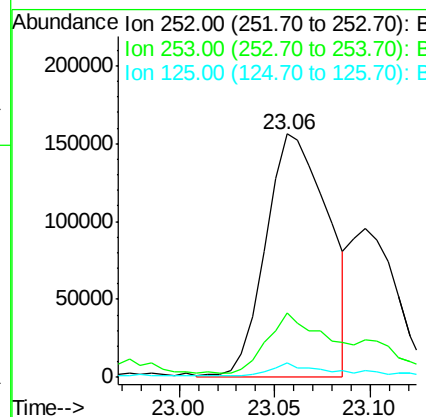
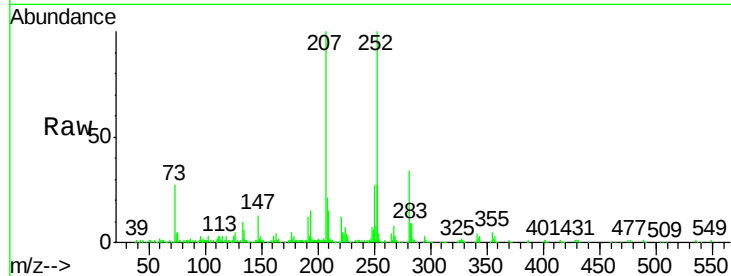
ClientSampleId :

F5D32DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	3.1	3.6	5.4#

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:45 PM



#86

Benzo(k)fluoranthene

Concen: 2.134 ng/ul

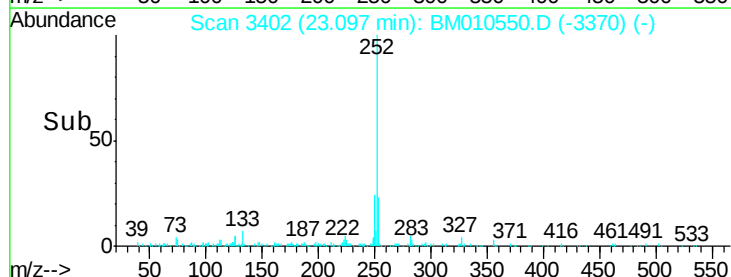
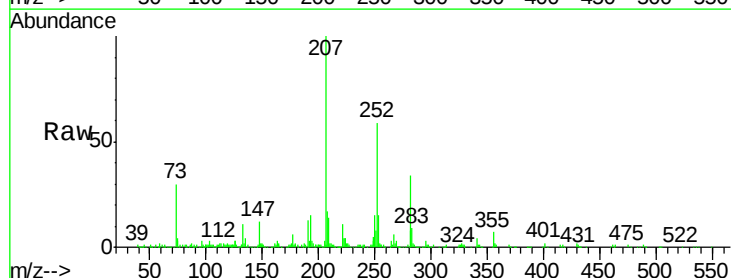
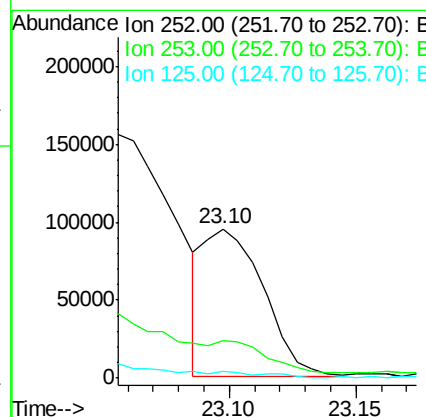
RT: 23.10 min Scan# 3402

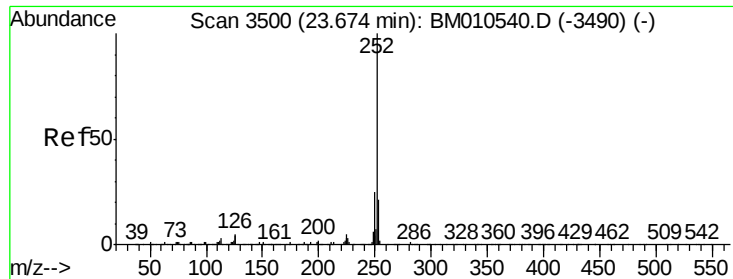
Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	4.6	3.4	5.2





#88

Benzo(a)pyrene

Concen: 3.132 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Instrument :

BNA_M

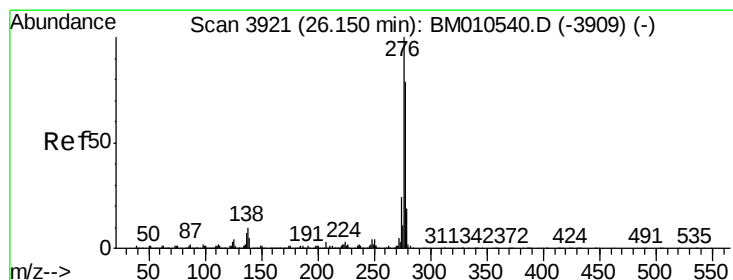
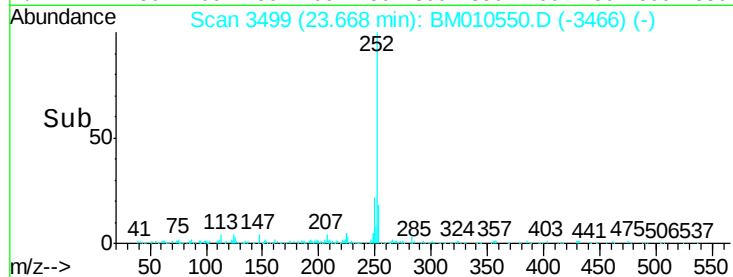
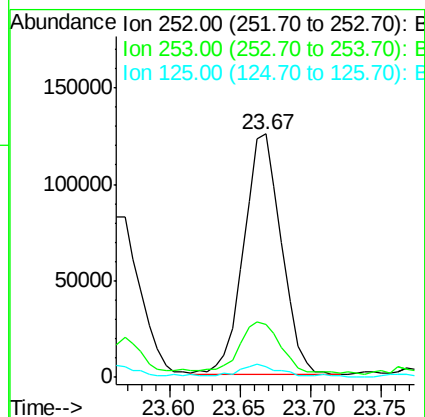
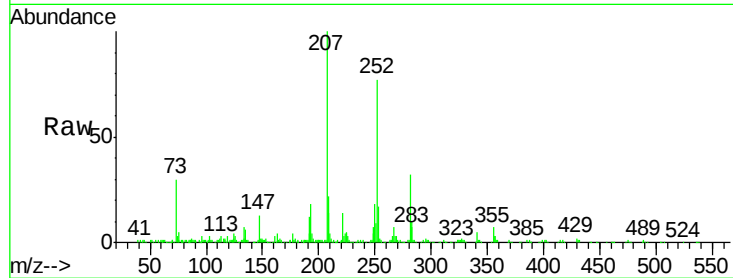
ClientSampleId :

F5D32DL

Tgt Ion:	252	Resp:	232692
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.2	27.2
125	4.5	4.0	6.0

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:45 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 1.096 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. -0.01 min

Lab File: BM010550.D

Acq: 13 Jun 2017 00:09

Tgt Ion:	276	Resp:	102834
Ion Ratio	Lower	Upper	
276	100		
138	12.8	9.3	13.9
277	22.0	19.9	29.9

