

Data Path : Z:\HPCHEM1\BNA M\DATA\BM061317\
 Data File : BM010573.D
 Acq On : 13 Jun 2017 22:57
 Operator : SJ/MA
 Sample : I3521-08 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C56

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:46 PM

Quant Time: Jun 24 03:30:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 14 01:46:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	106327	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	401260	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	277705	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	717460	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1014685	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	976229	20.00	ng/ul	0.00

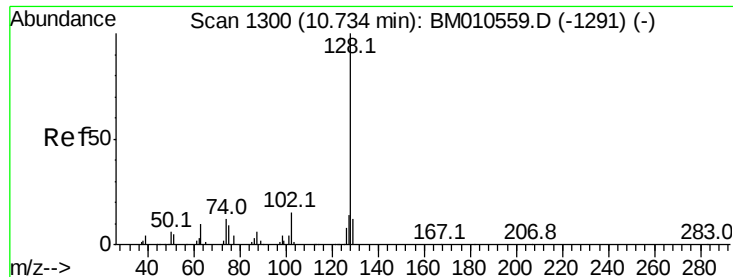
System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.06	99	13623	1.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	8850	1.95	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	12280	1.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	12076	1.86	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	5927	2.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.77	143	7475	2.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	15179	2.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	24583	3.64	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	61387	2.66	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	60831	2.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	6600	1.91	ng/ul	0.00
57) Fluorene-d10	15.51	176	53277	2.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	9084	1.79	ng/ul	0.00
70) Anthracene-d10	17.37	188	87776	2.51	ng/ul	0.00
76) Pyrene-d10	19.66	212	115993	2.76	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	112041	2.47	ng/ul	-0.01

Target Compounds

						Ovalue
28) Naphthalene	10.73	128	3453599	171.60	ng/ul	100
34) 2-Methylnaphthalene	12.34	142	2890231	189.41	ng/ul	98
40) 1,1'-Biphenyl	13.35	154	990566	43.97	ng/ul	98
44) Dimethylphthalate	13.98	163	53740	2.37	ng/ul	99
47) Acenaphthylene	14.25	152	96186	3.66	ng/ul	97
49) Acenaphthene	14.59	153	3209526	173.98	ng/ul	99
53) Dibenzofuran	14.92	168	4188624	153.55	ng/ul	94
58) Fluorene	15.57	166	4387509	196.08	ng/ul	98
69) Phenanthrene	17.32	178	16710175m	436.28	ng/ul	
71) Anthracene	17.40	178	1788966	44.74	ng/ul	99
72) Carbazole	17.69	167	422222	12.48	ng/ul	97
74) Fluoranthene	19.33	202	11734750	249.14	ng/ul	99
77) Pyrene	19.69	202	7372628	141.00	ng/ul#	94
80) Benzo(a)anthracene	21.42	228	2058311	35.97	ng/ul	99
82) Chrysene	21.47	228	1704800	32.96	ng/ul	97
85) Benzo(b)fluoranthene	23.06	252	979992	17.25	ng/ul#	98
86) Benzo(k)fluoranthene	23.10	252	465999m	8.59	ng/ul	
88) Benzo(a)pyrene	23.66	252	616344m	10.95	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.14	276	238410	3.35	ng/ul#	92
91) Benzo(g,h,i)perylene	26.88	276	154345	2.63	ng/ul#	94

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



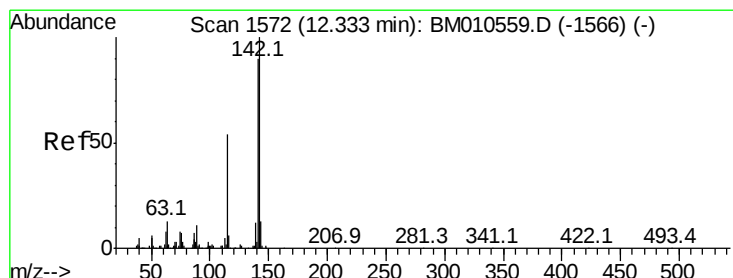
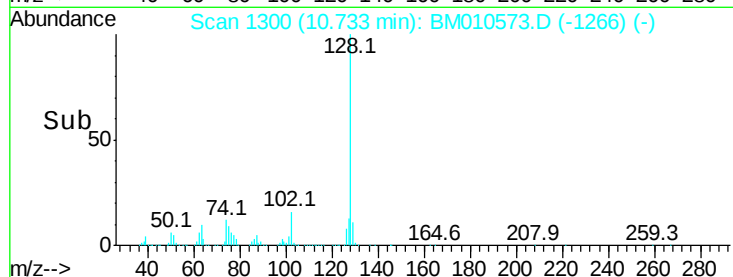
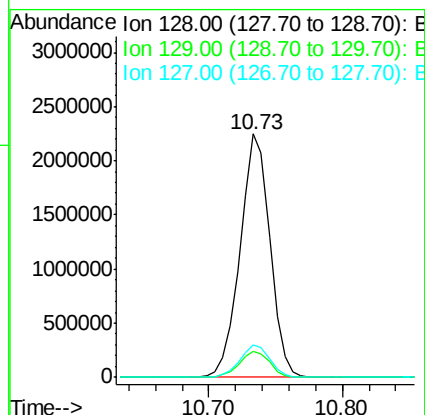
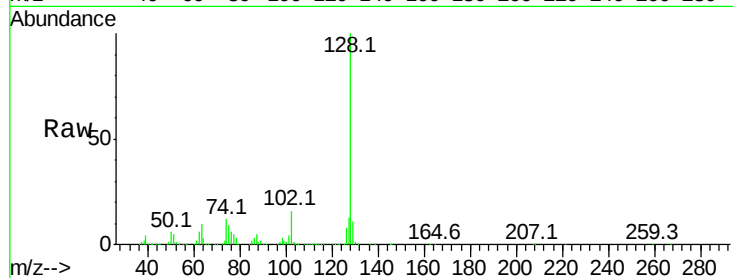
#28
Naphthalene
Concen: 171.60 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Instrument :
BNA_M
ClientSampled :
F5C56

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.3	10.6	16.0

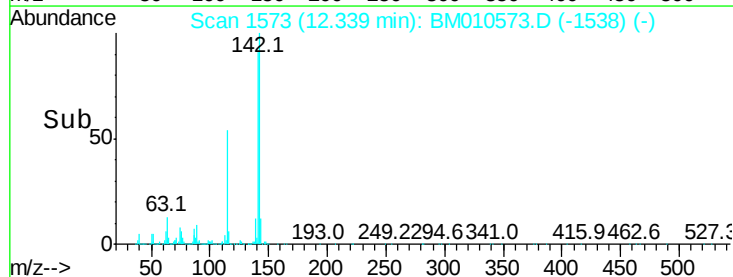
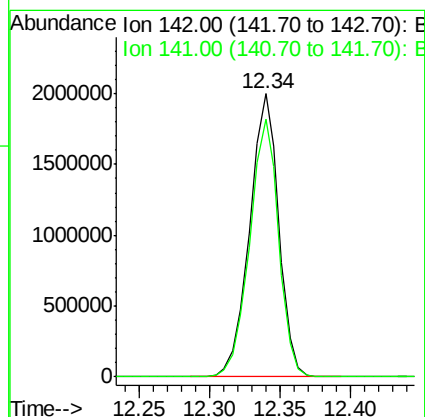
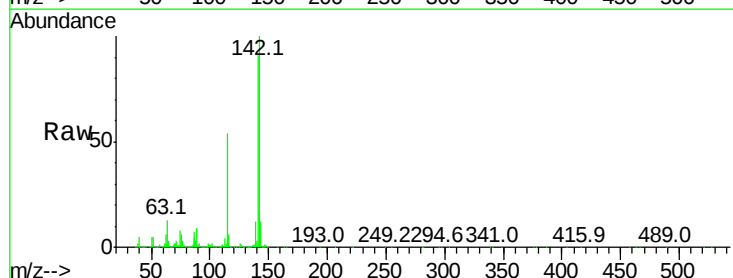
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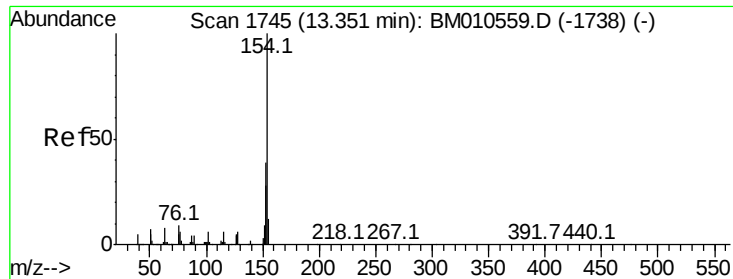
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#34
2-Methylnaphthalene
Concen: 189.41 ng/ul
RT: 12.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.1	111.1





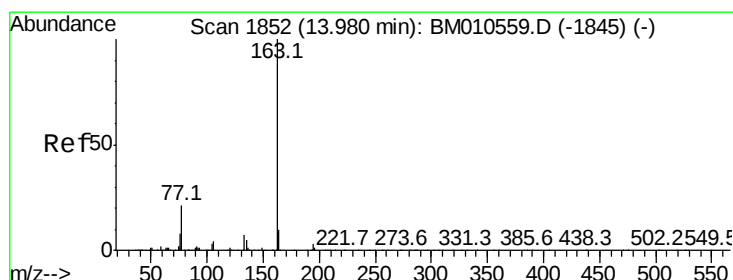
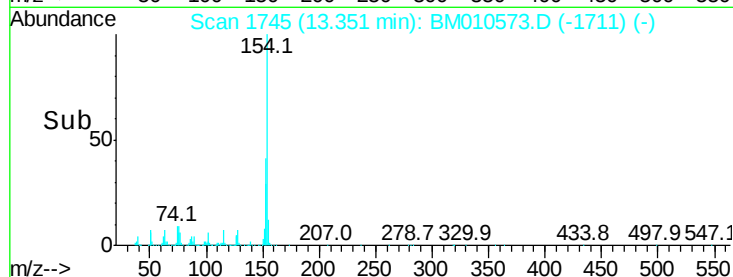
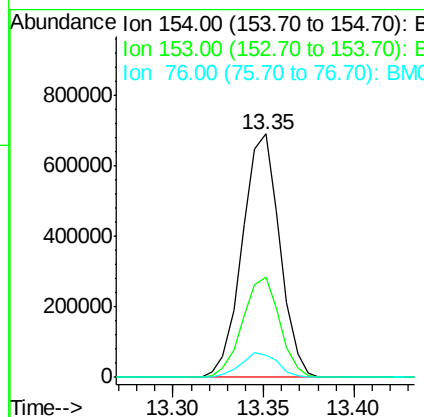
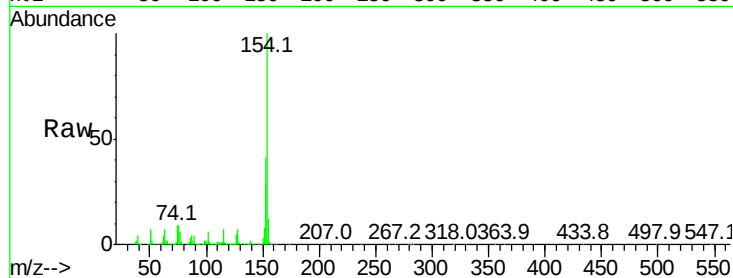
#40
1,1'-Biphenyl
Concen: 43.97 ng/ul
RT: 13.35 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Instrument :
BNA_M
ClientSampleId :
F5C56

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.4	32.6	48.8	
76	8.9	8.5	12.7	

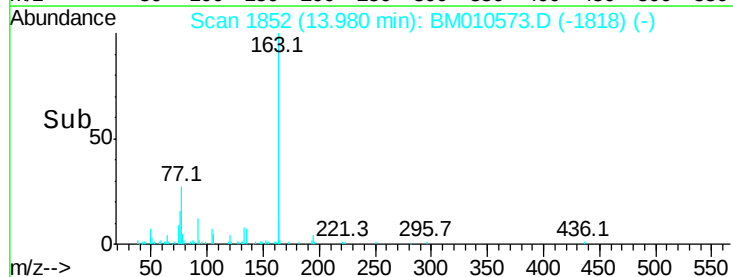
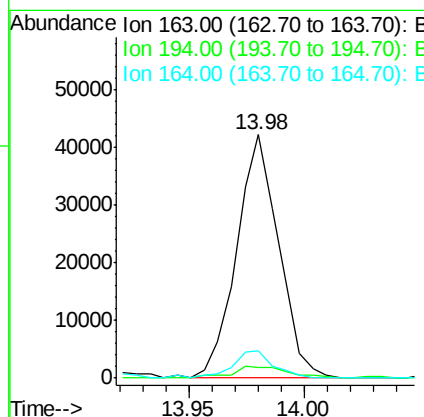
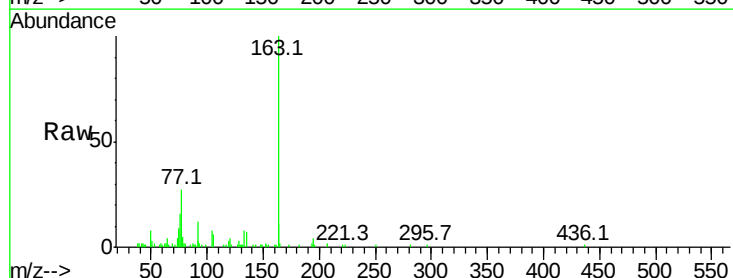
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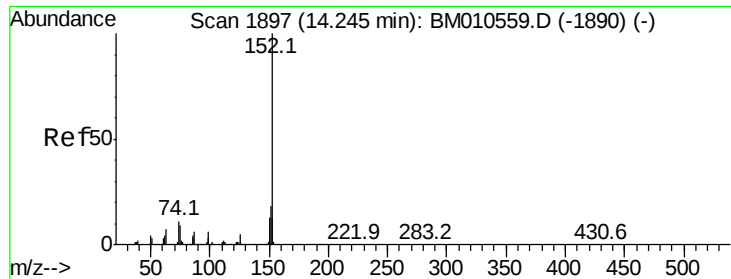
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#44
Dimethylphthalate
Concen: 2.37 ng/ul
RT: 13.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	3.5	5.3	
164	11.1	8.2	12.4	





#47

Acenaphthylene

Concen: 3.66 ng/ul

RT: 14.25 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Instrument :

BNA_M

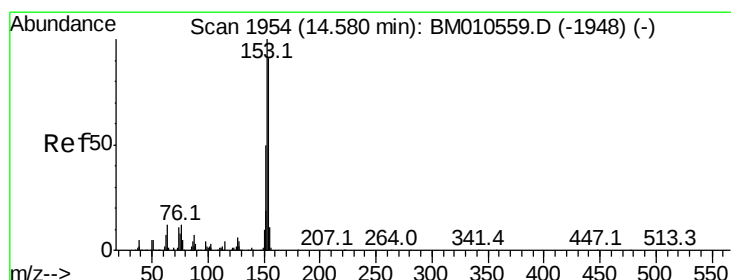
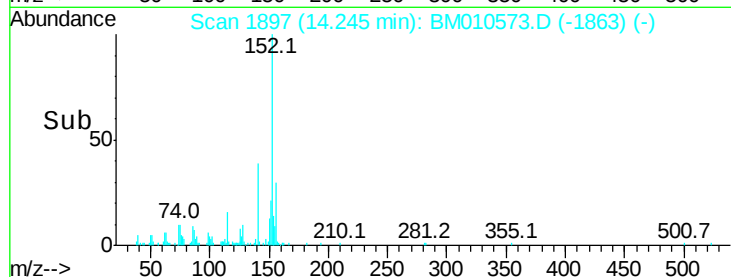
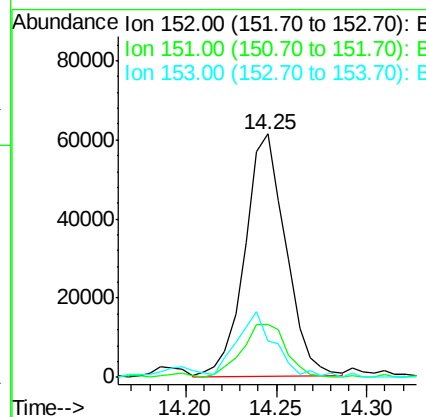
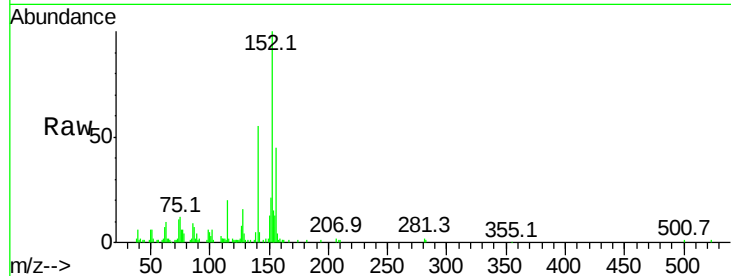
ClientSampleId :

F5C56

Tot Ion:	152	Resp:	96186
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.3	24.5
153	14.7	10.2	15.4

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#49

Acenaphthene

Concen: 173.98 ng/ul

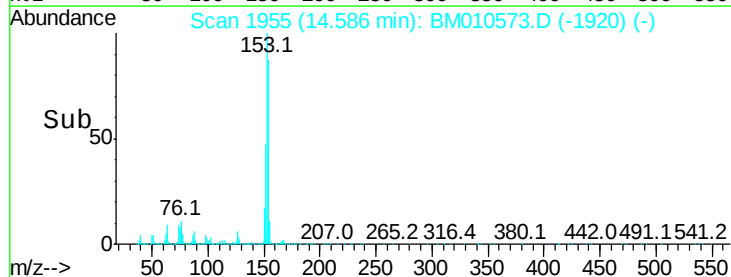
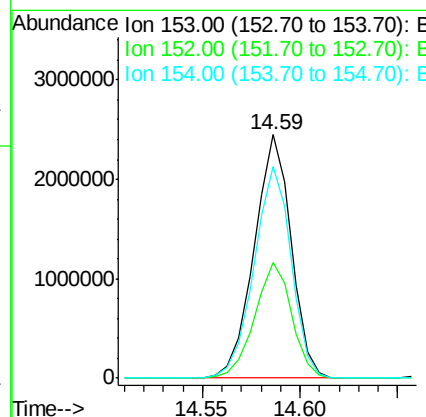
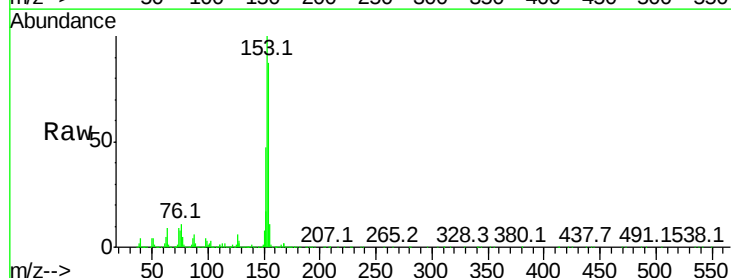
RT: 14.59 min Scan# 1955

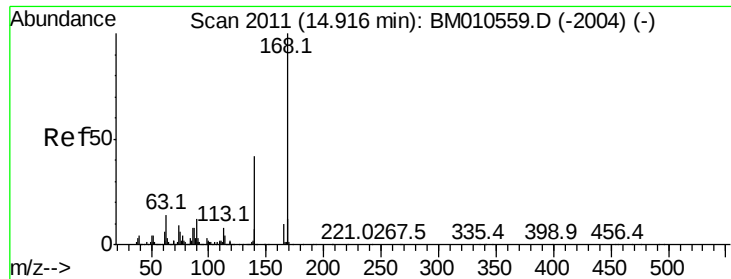
Delta R.T. 0.01 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Tgt Ion:	153	Resp:	3209526
Ion Ratio	Lower	Upper	
153	100		
152	47.4	37.6	56.4
154	86.8	70.4	105.6





#53

Dibenzenofuran

Concen: 153.55 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Instrument :

BNA_M

ClientSampleId :

F5C56

Tot Ion:168 Resp: 4188624

Ion Ratio Lower Upper

168 100

139 42.3

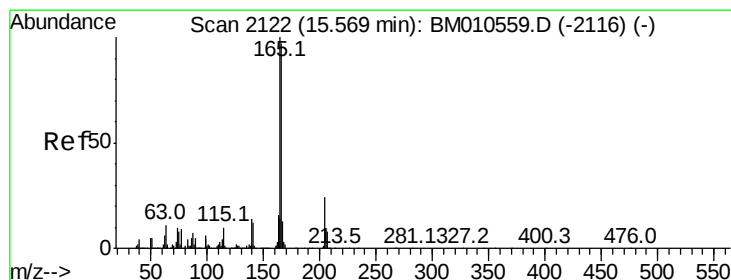
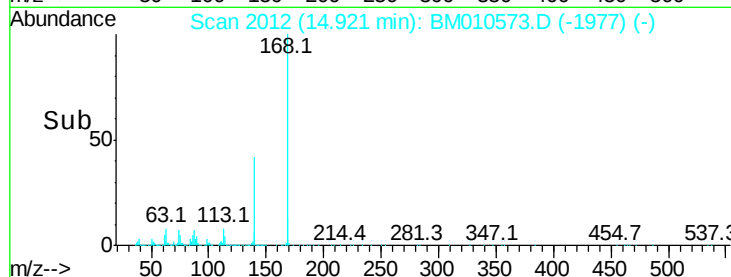
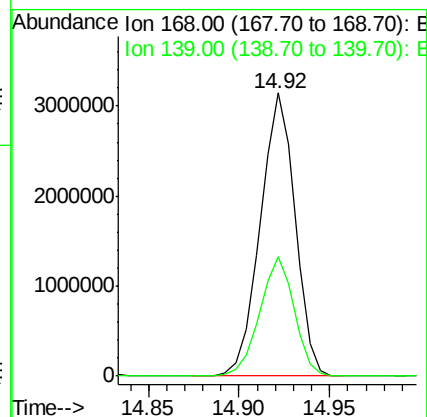
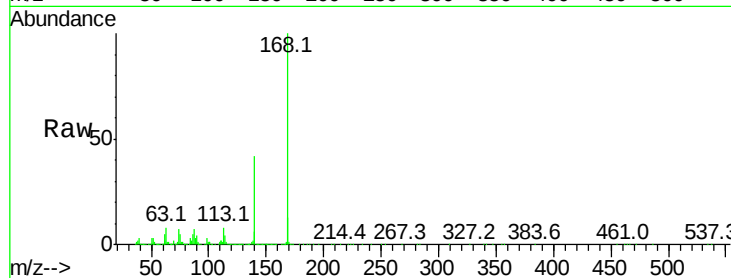
30.8

46.2

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#58

Fluorene

Concen: 196.08 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Tgt Ion:166 Resp: 4387509

Ion Ratio Lower Upper

166 100

165 99.1

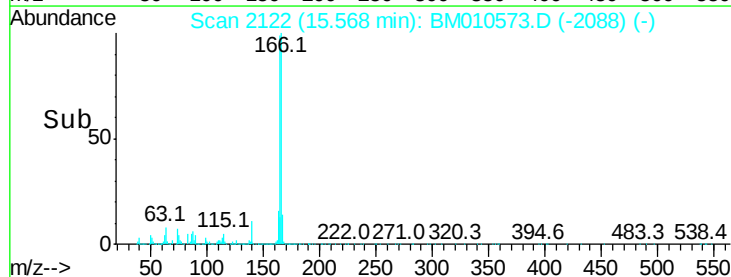
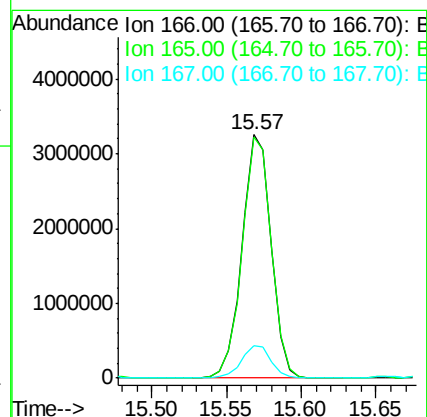
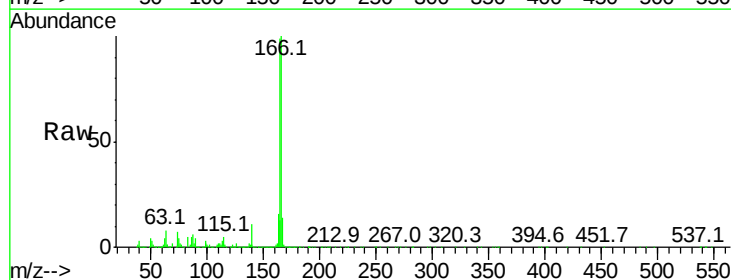
77.9

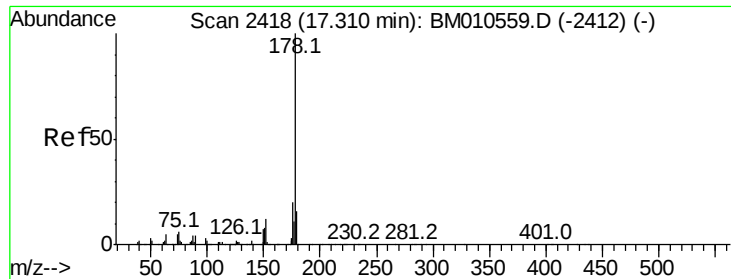
116.9

167 13.5

10.6

16.0





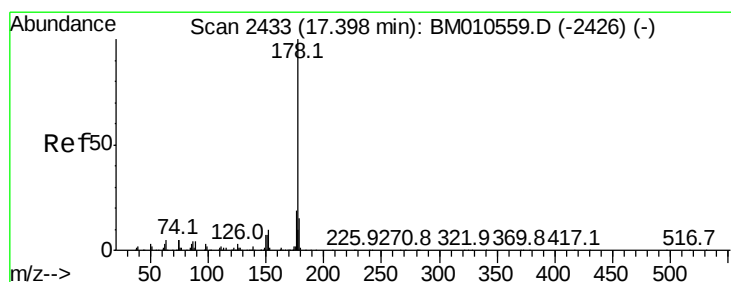
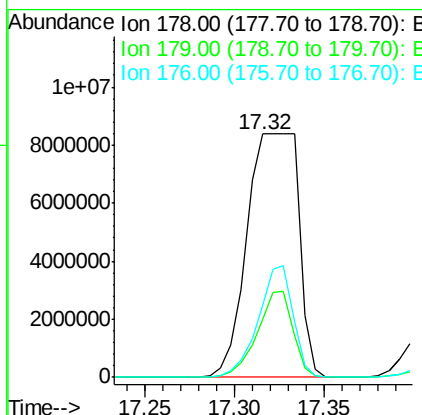
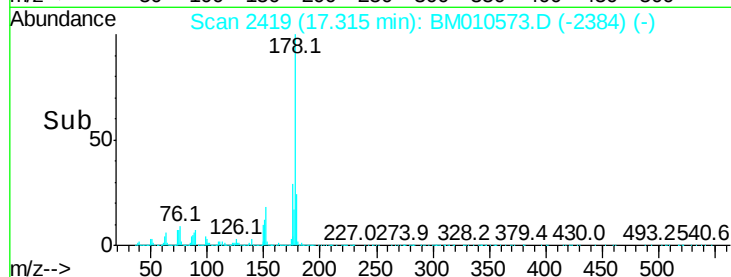
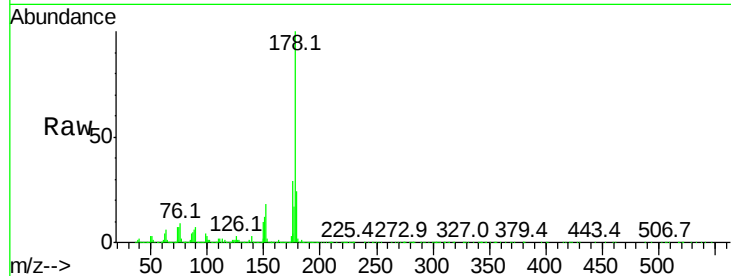
#69
 Phenanthrene
 Concen: 436.28 ng/ul m
 RT: 17.32 min Scan# 2419
 Delta R.T. 0.01 min
 Lab File: BM010573.D
 Acq: 13 Jun 2017 22:57

Instrument :
 BNA_M
 ClientSampleId :
 F5C56

Tot Ion:178 Resp:16710175
 Ion Ratio Lower Upper
 178 100
 179 23.7 12.6 19.0#
 176 29.4 14.9 22.3#

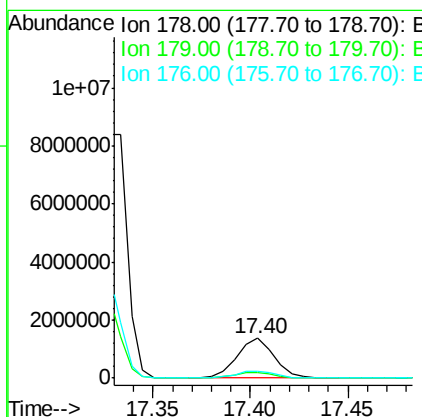
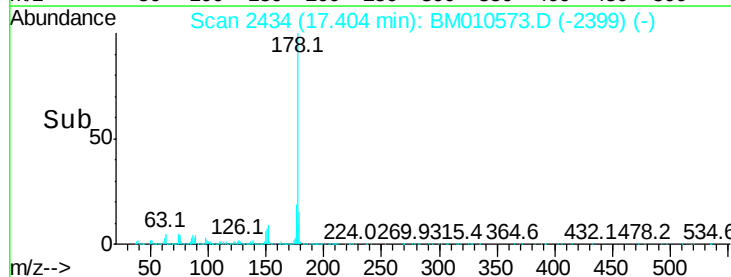
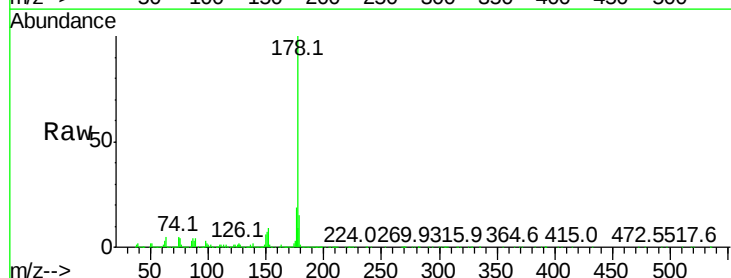
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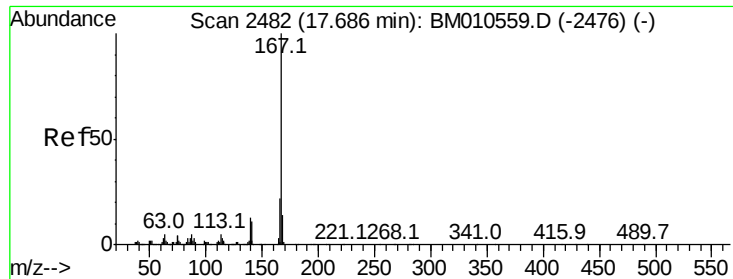
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#71
 Anthracene
 Concen: 44.74 ng/ul
 RT: 17.40 min Scan# 2434
 Delta R.T. 0.01 min
 Lab File: BM010573.D
 Acq: 13 Jun 2017 22:57

Tgt Ion:178 Resp: 1788966
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.7 17.5
 176 18.6 14.6 21.8





#72

Carbazole

Concen: 12.48 ng/ul

RT: 17.69 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Instrument :

BNA_M

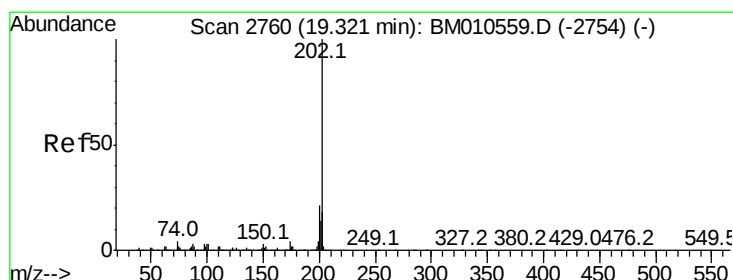
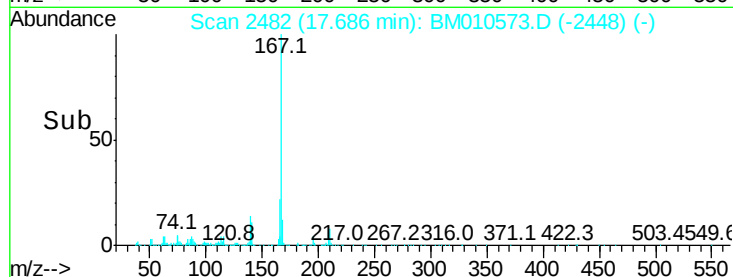
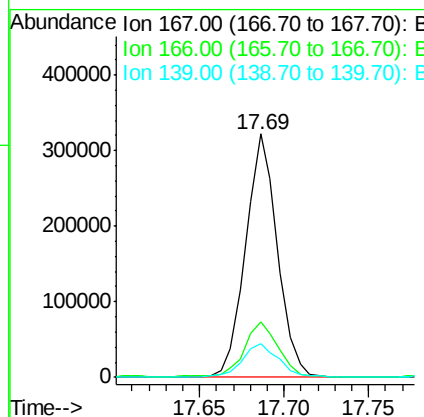
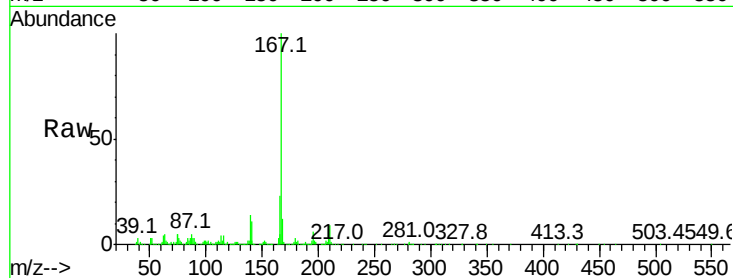
ClientSampleId :

F5C56

Tot Ion:	167	Resp:	422222
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.1	25.7
139	13.9	10.0	15.0

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#74

Fluoranthene

Concen: 249.14 ng/ul

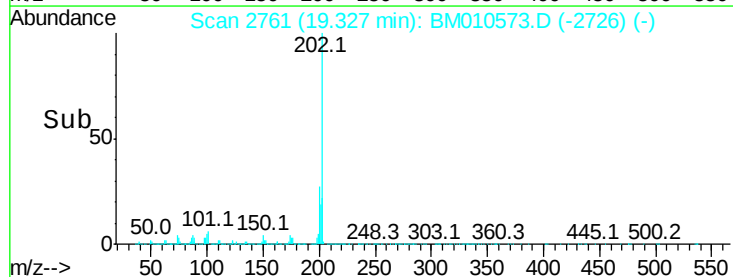
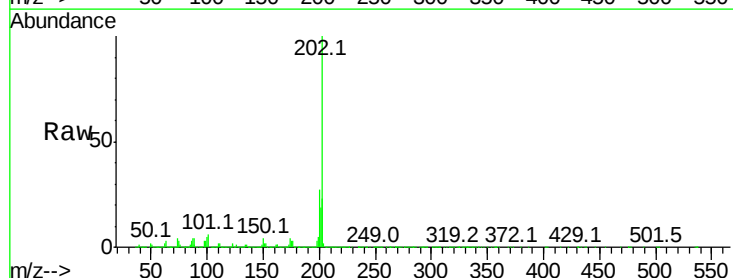
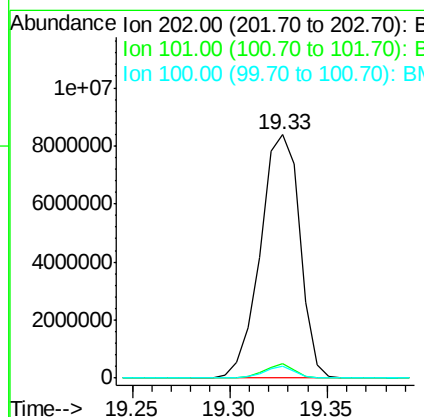
RT: 19.33 min Scan# 2761

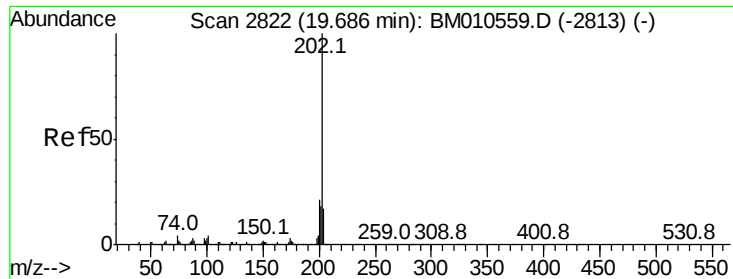
Delta R.T. 0.01 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Tgt Ion:	202	Resp:	11734750
Ion Ratio	Lower	Upper	
202	100		
101	6.0	4.6	7.0
100	4.9	3.4	5.2





#77

Pvrene

Concen: 141.00 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.01 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

Instrument :

BNA_M

ClientSampleId :

F5C56

Tot Ion:202 Resp: 7372628

Ion Ratio Lower Upper

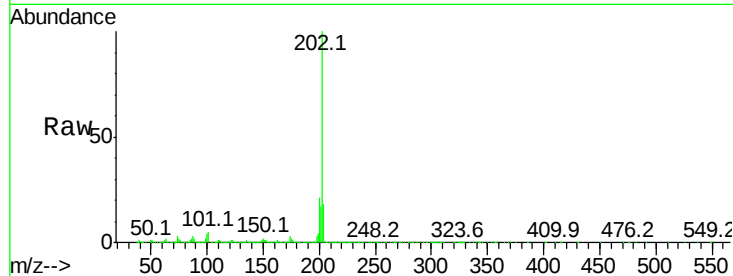
202 100

101 4.6 5.1 7.7#

100 4.0 4.9 7.3#

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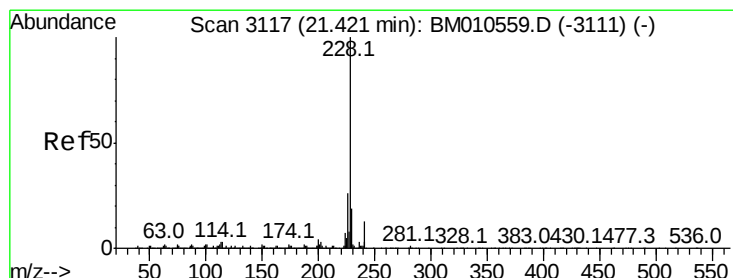
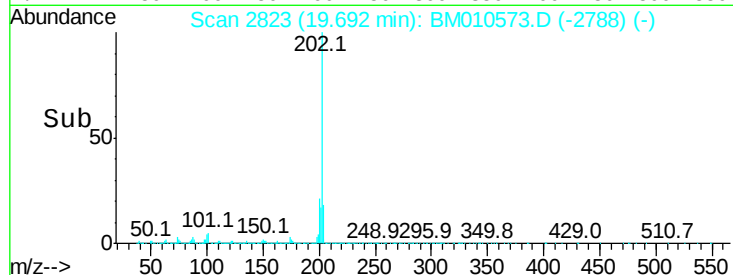
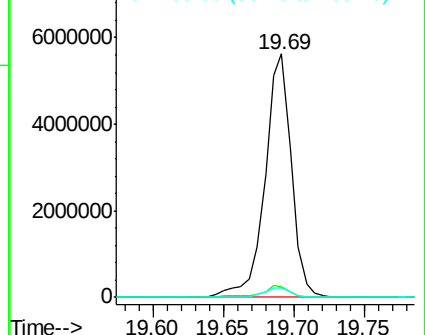
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 35.97 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM010573.D

Acq: 13 Jun 2017 22:57

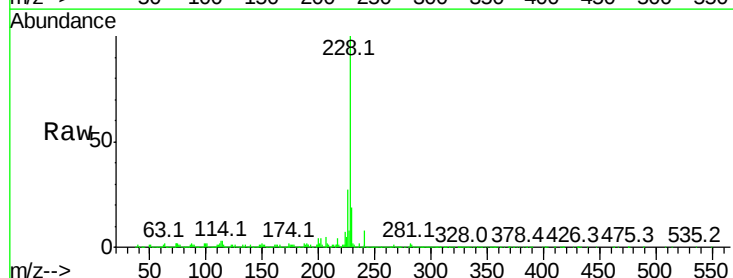
Tgt Ion:228 Resp: 2058311

Ion Ratio Lower Upper

228 100

229 19.2 15.4 23.0

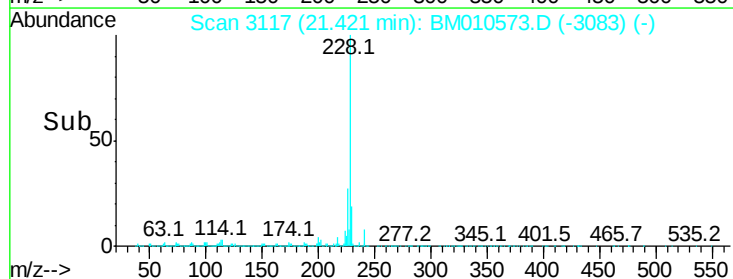
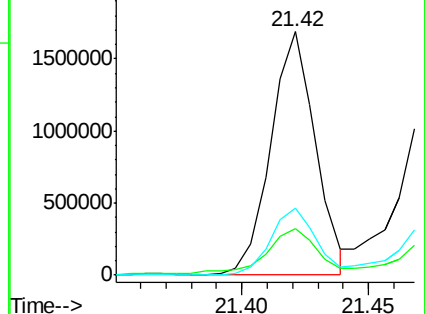
226 27.5 21.4 32.0

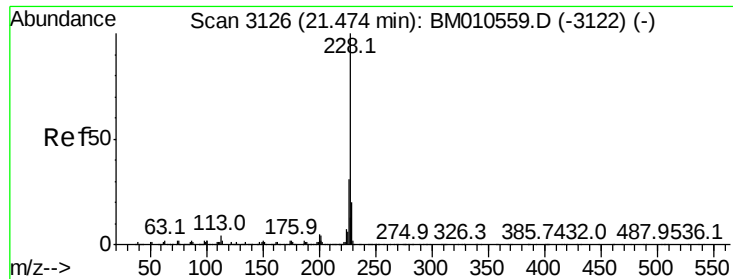


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





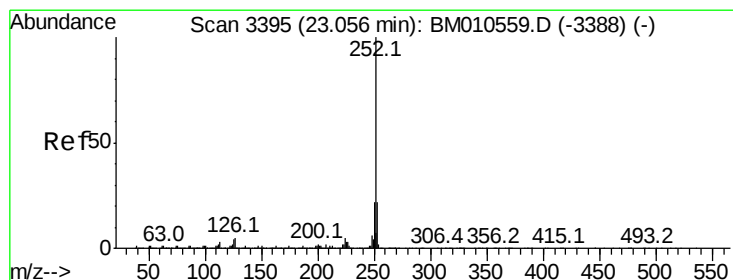
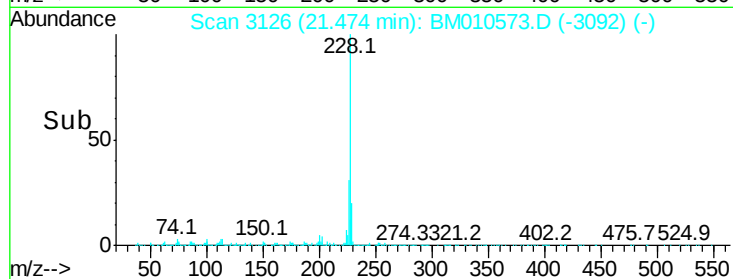
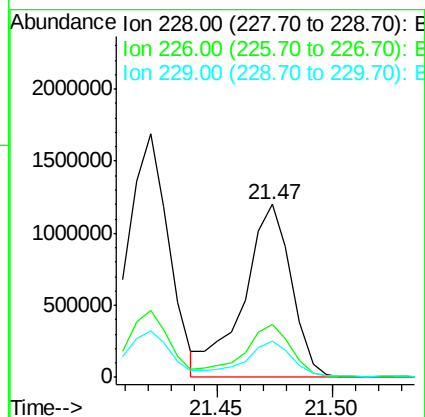
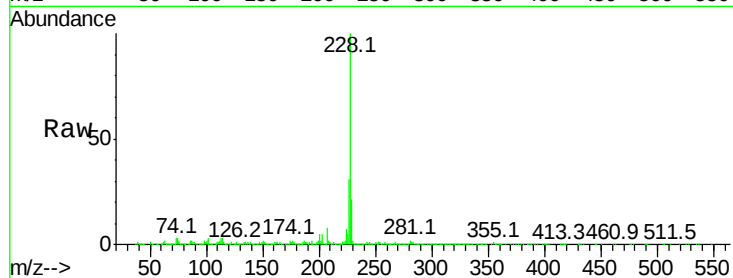
#82
Chrysene
Concen: 32.96 ng/ul
RT: 21.47 min Scan# 3126
Delta R.T. -0.00 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Instrument :
BNA_M
ClientSampled :
F5C56

Tot	Ion:228	Resp: 1704800	
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	20.8	15.5	23.3

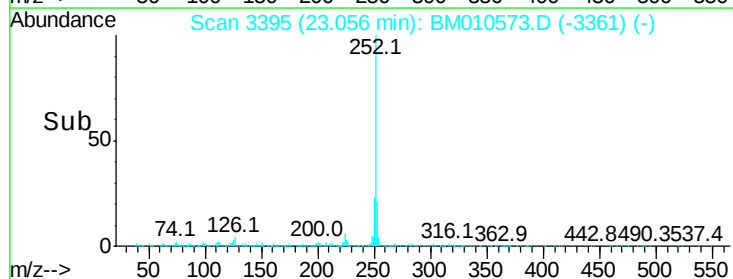
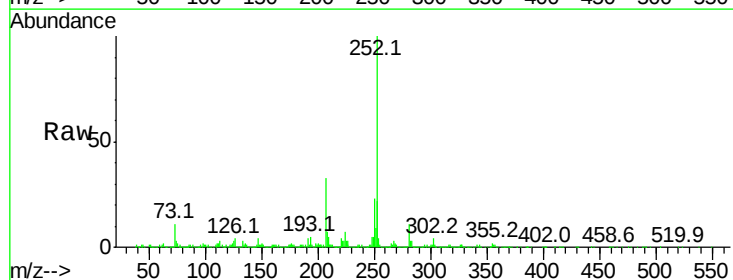
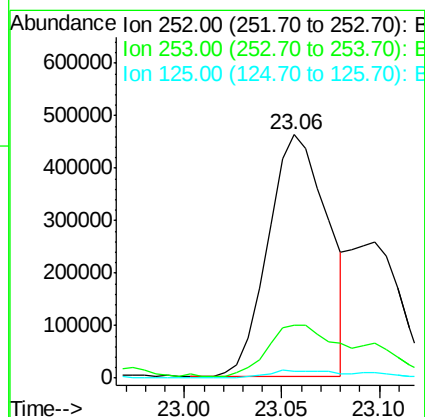
Manual Integrations
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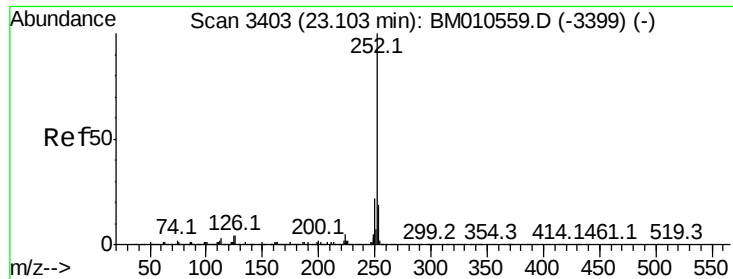
mohammad
6/14/2017 2:57:46 PM



#85
Benzo(b)fluoranthene
Concen: 17.25 ng/ul
RT: 23.06 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Tgt	Ion:252	Resp:	979992
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	2.9	3.6	5.4#





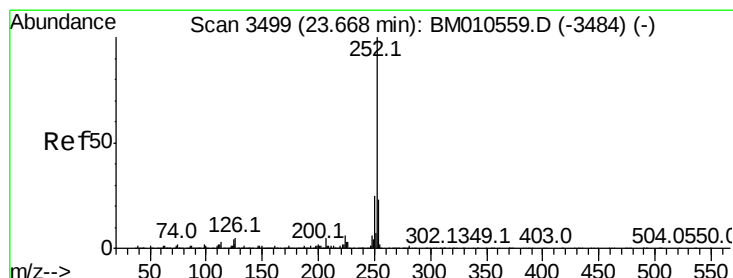
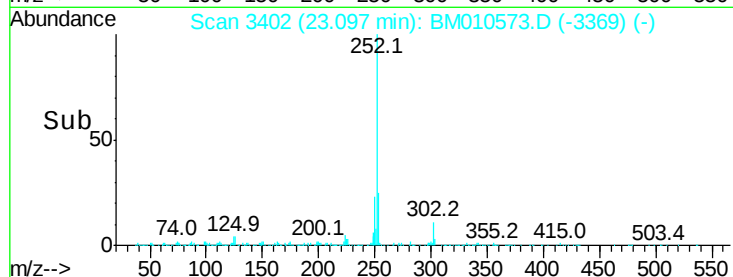
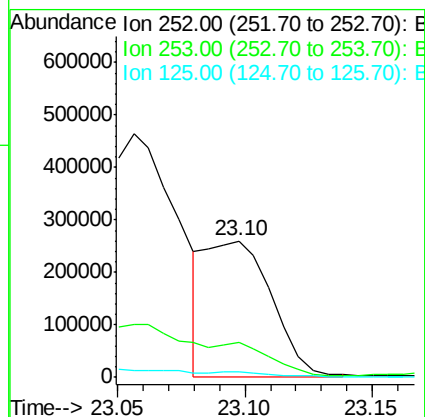
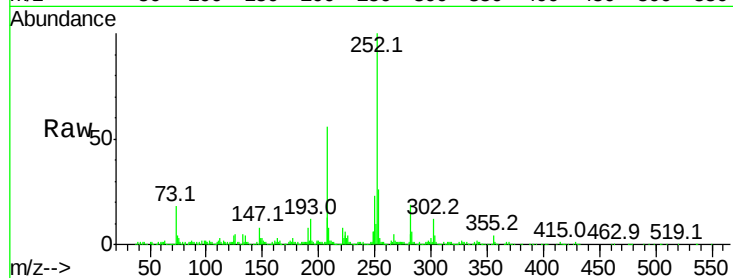
#86
Benzo(k)fluoranthene
Concen: 8.59 ng/ul m
RT: 23.10 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Instrument :
BNA_M
ClientSampleId :
F5C56

Tot Ion	Ratio	Resp	Lower	Upper
252	100	465999		
253	25.9	17.1	25.7#	
125	4.2	3.4	5.2	

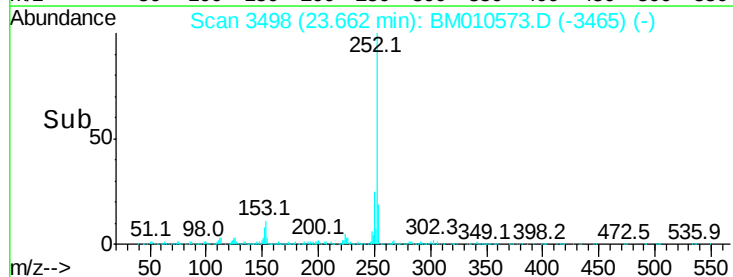
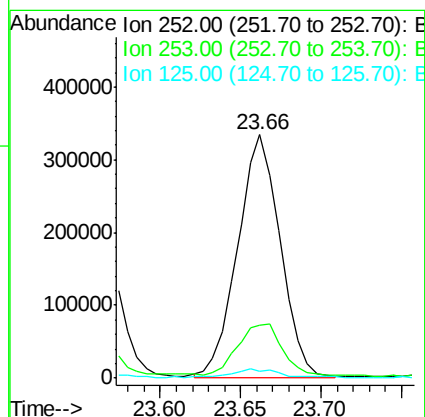
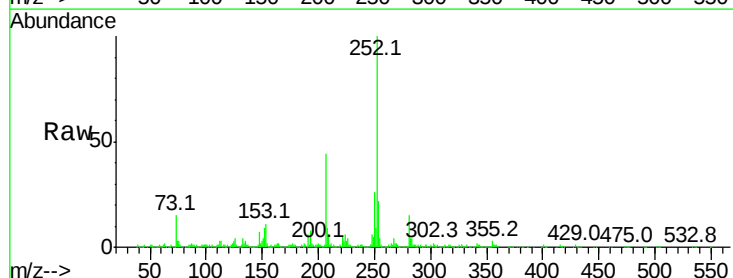
Manual Integrations
APPROVED

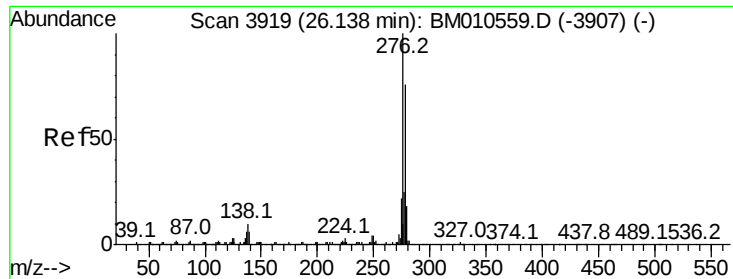
mohammad
6/14/2017 2:57:46 PM



#88
Benzo(a)pyrene
Concen: 10.95 ng/ul m
RT: 23.66 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM010573.D
Acq: 13 Jun 2017 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	616344		
253	21.9	18.2	27.2	
125	3.0	4.0	6.0#	





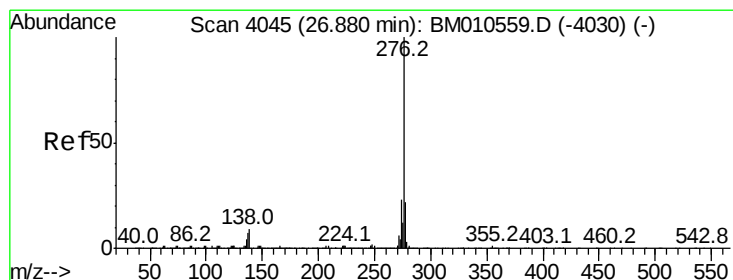
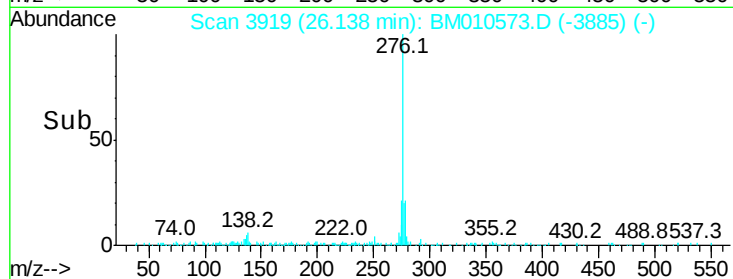
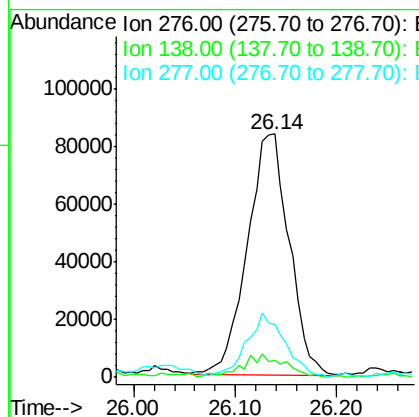
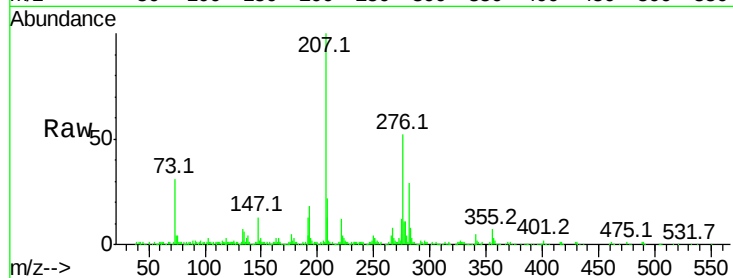
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 3.35 ng/ul
 RT: 26.14 min Scan# 3919
 Delta R.T. -0.00 min
 Lab File: BM010573.D
 Acq: 13 Jun 2017 22:57

Instrument :
 BNA_M
 ClientSampleId :
 F5C56

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	6.9	9.3	13.9#
277	21.6	19.9	29.9

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:46 PM



#91
 Benzo(g,h,i)perylene
 Concen: 2.63 ng/ul
 RT: 26.88 min Scan# 4045
 Delta R.T. 0.00 min
 Lab File: BM010573.D
 Acq: 13 Jun 2017 22:57

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	13.2	8.5	12.7#
277	20.4	18.6	28.0

