

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010572.D
 Acq On : 13 Jun 2017 22:21
 Operator : SJ/MA
 Sample : I3522-11 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F5C31

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:43 PM

Quant Time: Jun 14 09:01:04 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	98926	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	340483	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	227396	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	607359	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1014843	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	996650	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	7.07	99	13194	1.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	6190	1.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	10878	1.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	10204	1.69	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	7190m	2.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	7115	2.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	13358	2.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	9952	1.74	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	47288	2.50	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	51007	2.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	5037m	1.78	ng/ul	0.00
57) Fluorene-d10	15.50	176	45237	2.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	9254	2.15	ng/ul	0.00
70) Anthracene-d10	17.37	188	80624	2.73	ng/ul	0.00
76) Pyrene-d10	19.66	212	101724	2.42	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	107295	2.31	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.73	128	306253	17.933	ng/ul	98
34) 2-Methylnaphthalene	12.33	142	150636	11.634	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	41292	2.238	ng/ul	89
44) Dimethylphthalate	13.98	163	47457	2.554	ng/ul#	93
47) Acenaphthylene	14.24	152	299556	13.908	ng/ul	97
49) Acenaphthene	14.58	153	65441	4.332	ng/ul	96
53) Dibenzofuran	14.92	168	318046	14.239	ng/ul	95
58) Fluorene	15.56	166	779025	42.518	ng/ul	100
69) Phenanthrene	17.32	178	3089403	95.281	ng/ul	98
71) Anthracene	17.40	178	19166931m	566.241	ng/ul	
72) Carbazole	17.70	167	8192488	285.944	ng/ul	98
74) Fluoranthene	19.33	202	11501944	288.469	ng/ul	99
77) Pyrene	19.69	202	10308817	197.126	ng/ul#	96
80) Benzo(a)anthracene	21.42	228	4870126	85.100	ng/ul	97
82) Chrysene	21.48	228	5304981	102.546	ng/ul	96
85) Benzo(b)fluoranthene	23.07	252	7899656	136.217	ng/ul	99
86) Benzo(k)fluoranthene	23.11	252	2315360m	41.792	ng/ul	
88) Benzo(a)pyrene	23.67	252	3987778m	69.372	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.15	276	2518063	34.672	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.15	278	687272	10.988	ng/ul#	89
91) Benzo(g,h,i)perylene	26.89	276	1761628	29.443	ng/ul#	94

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

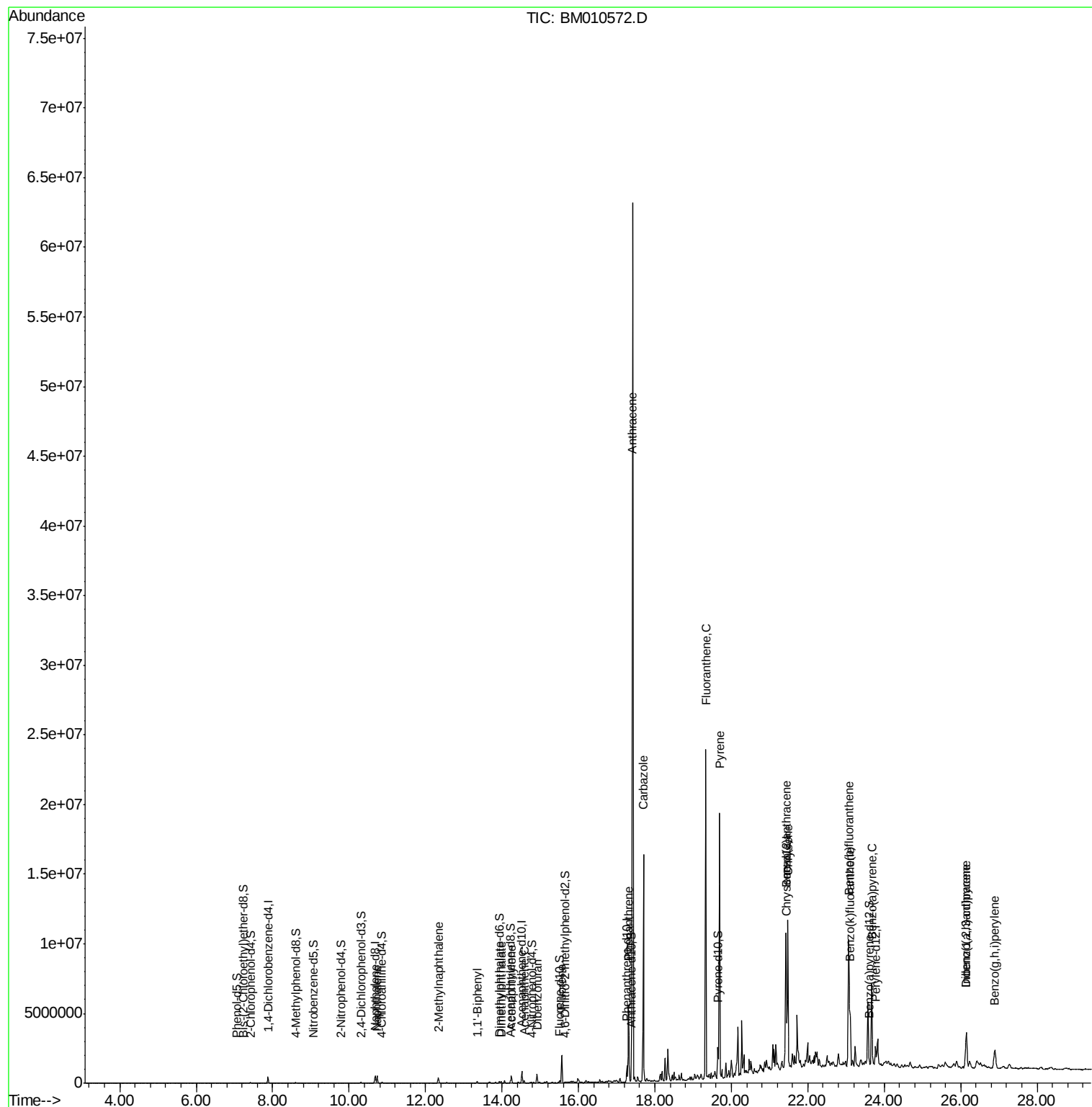
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
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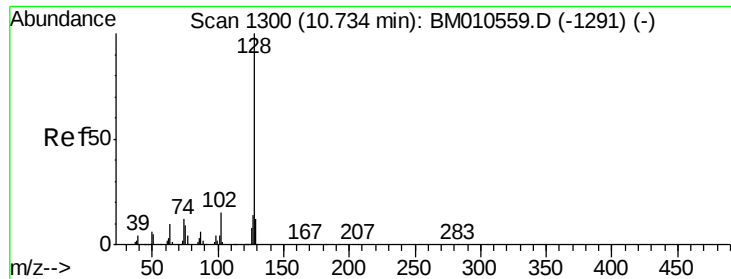
Instrument :
BNA_M
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F5C31

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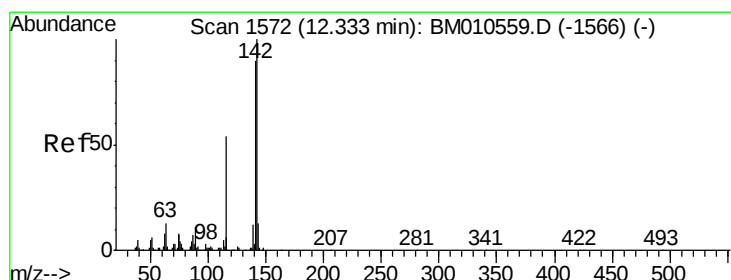
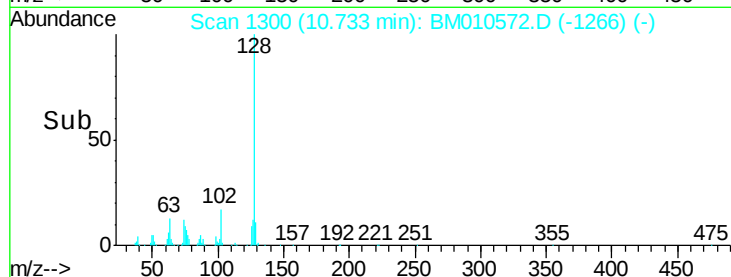
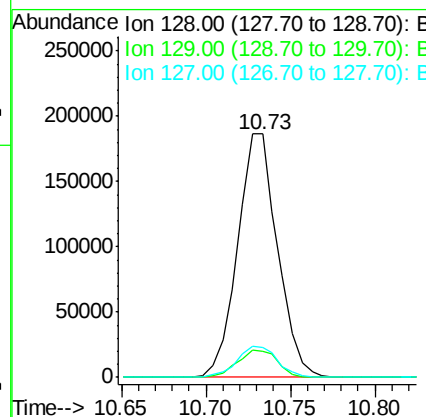
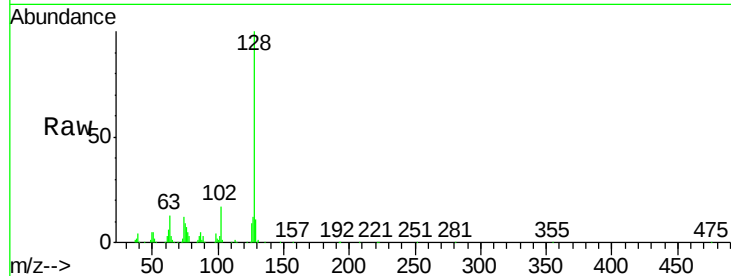
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Naphthalene
Concen: 17.933 ng/ul
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Instrument :
BNA_M
ClientSampleId :
F5C31

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	306253		
129	10.5		8.8	13.2
127	12.4		10.6	16.0

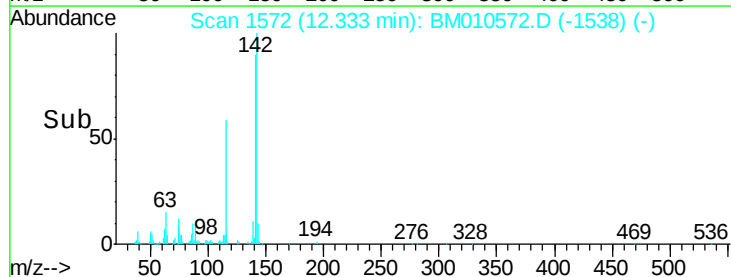
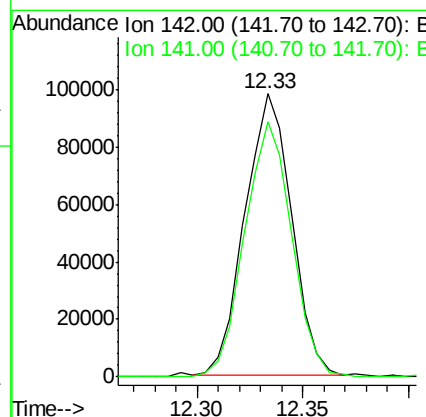
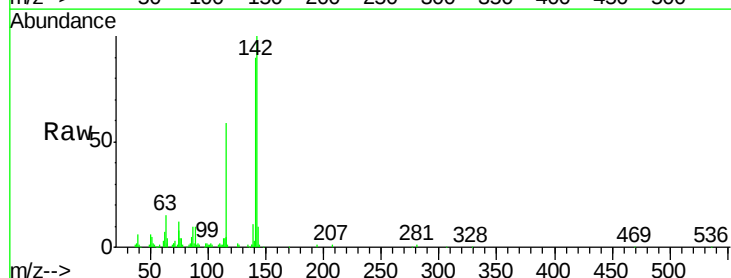
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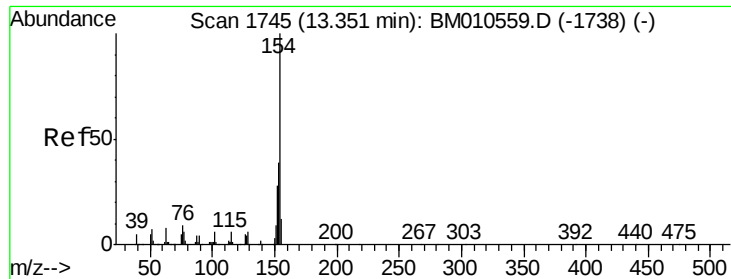
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#34
2-Methylnaphthalene
Concen: 11.634 ng/ul
RT: 12.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	150636		
141	90.0		74.1	111.1





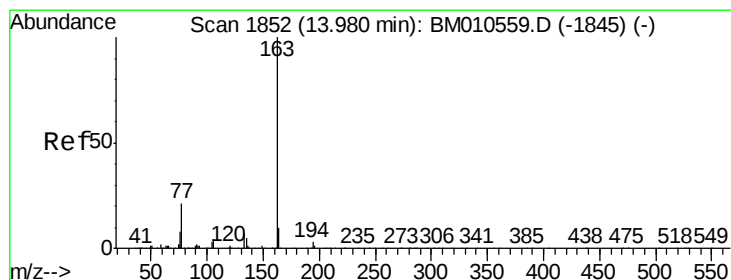
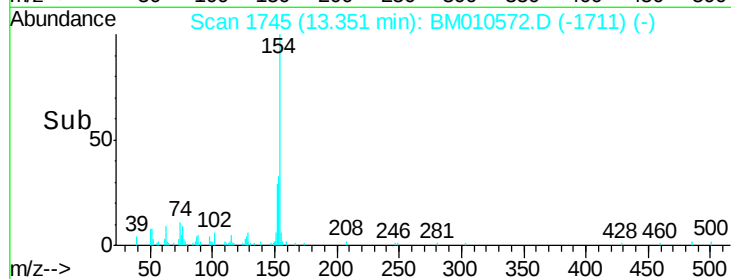
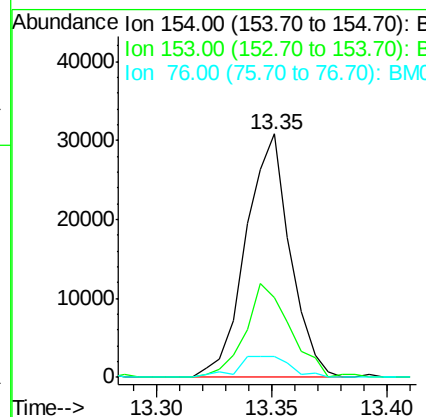
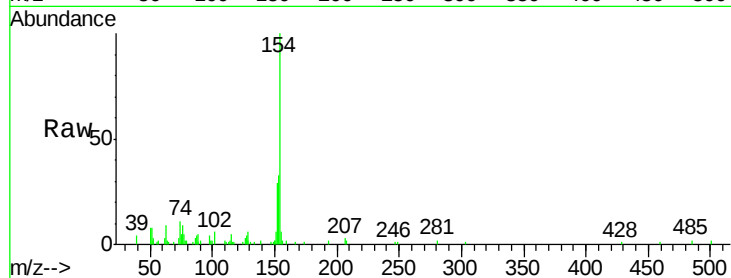
#40
1,1'-Biphenyl
Concen: 2.238 ng/ul
RT: 13.35 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Instrument :
BNA_M
ClientSampleId :
F5C31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	33.0	32.6	48.8
76	8.7	8.5	12.7

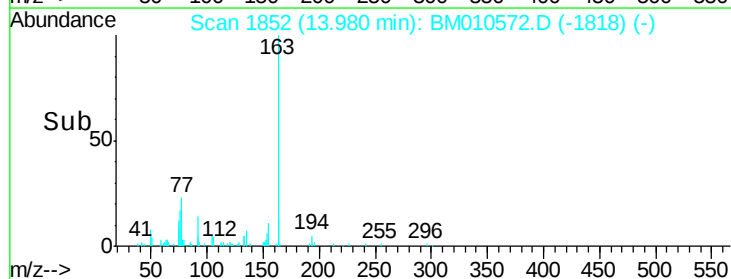
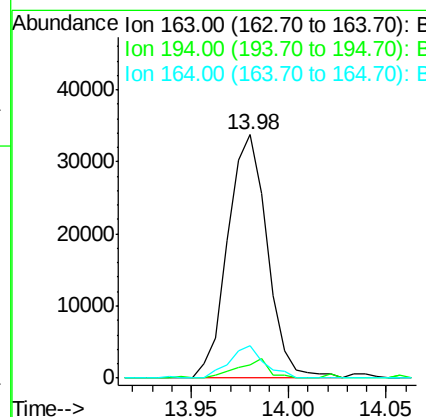
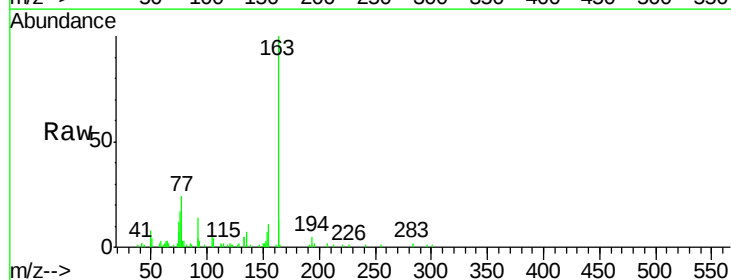
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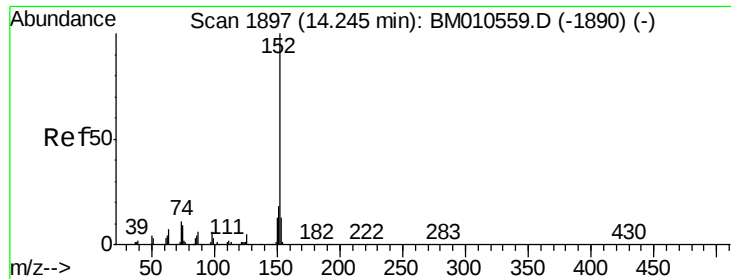
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#44
Dimethylphthalate
Concen: 2.554 ng/ul
RT: 13.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	13.4	8.2	12.4#





#47

Acenaphthylene

Concen: 13.908 ng/ul

RT: 14.24 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

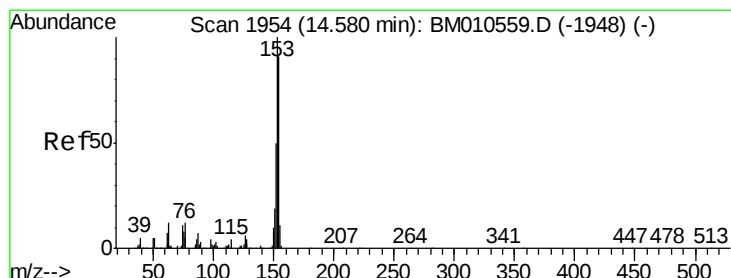
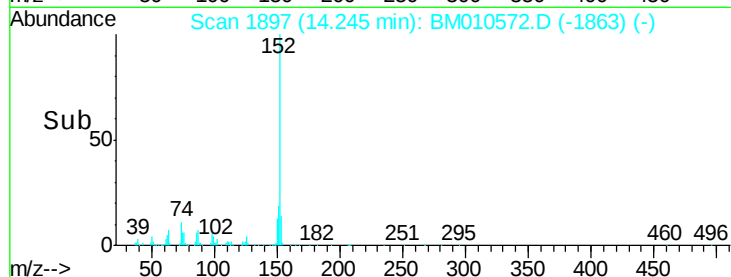
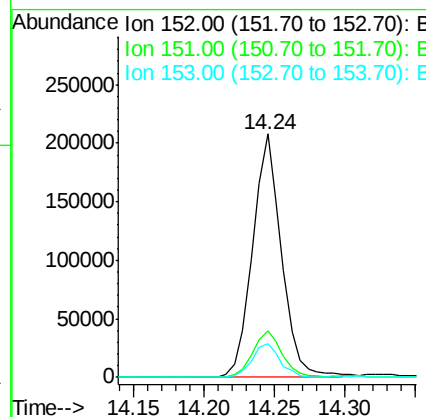
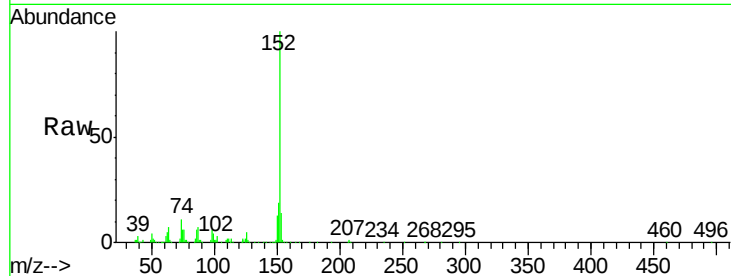
ClientSampleId :

F5C31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	299556		
151	18.9	16.3	24.5	
153	14.1	10.2	15.4	

Manual Integrations
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#49

Acenaphthene

Concen: 4.332 ng/ul

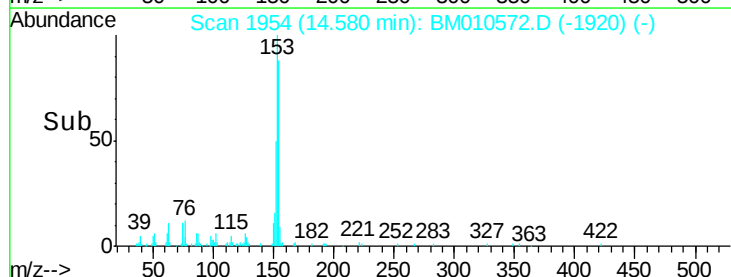
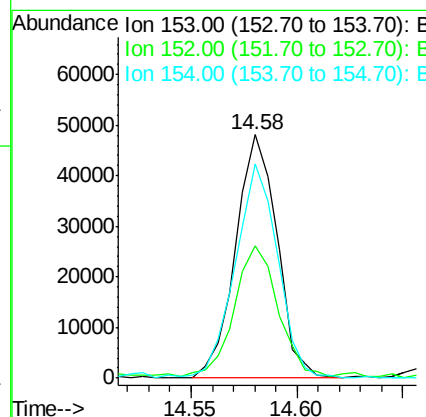
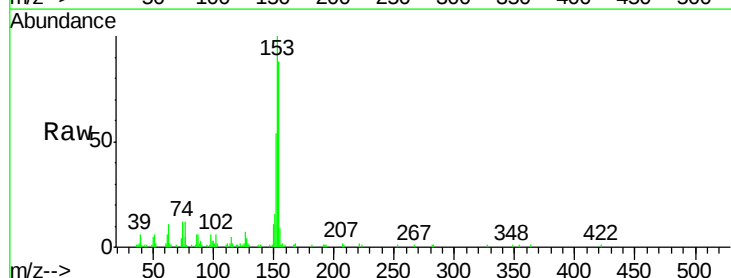
RT: 14.58 min Scan# 1954

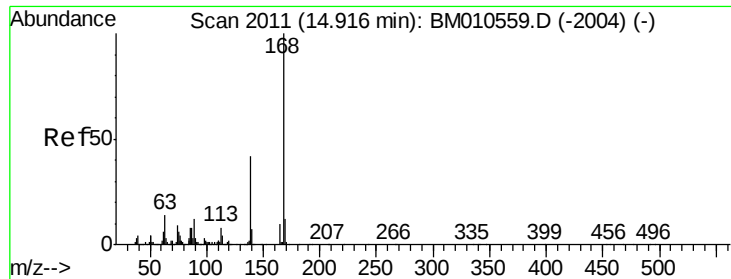
Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	65441		
152	54.1	37.6	56.4	
154	88.1	70.4	105.6	





#53

Dibenzenofuran

Concen: 14.239 ng/ul

RT: 14.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampled :

F5C31

Tgt Ion:168 Resp: 318046

Ion Ratio Lower Upper

168 100

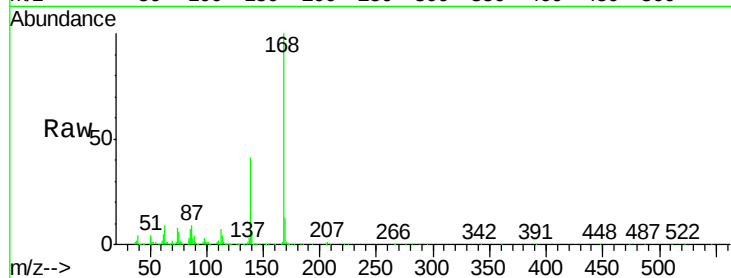
139 41.4 30.8 46.2

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

250000

200000

150000

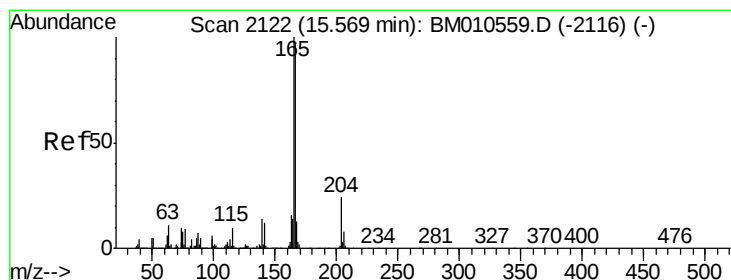
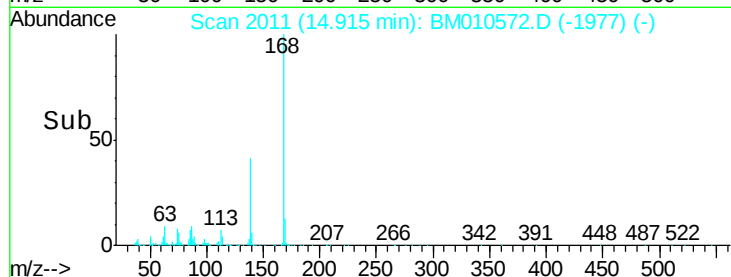
100000

50000

0

14.85 14.90 14.95

Time-->



#58

Fluorene

Concen: 42.518 ng/ul

RT: 15.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

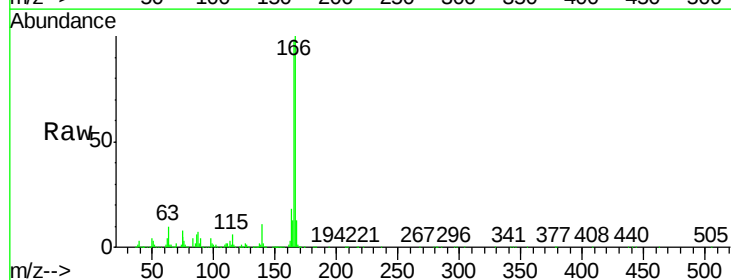
Tgt Ion:166 Resp: 779025

Ion Ratio Lower Upper

166 100

165 97.9 77.9 116.9

167 13.4 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

600000

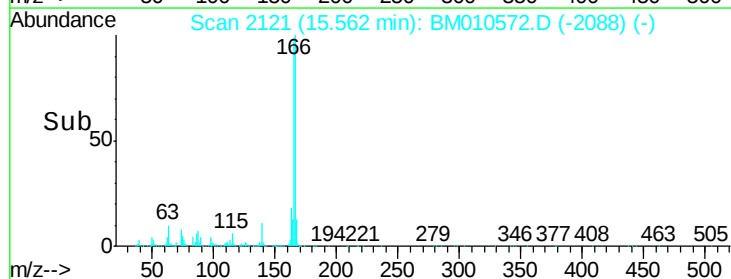
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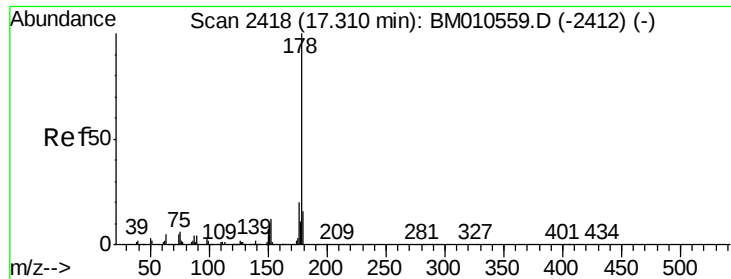
200000

0

15.50 15.55 15.60 15.65

Time-->





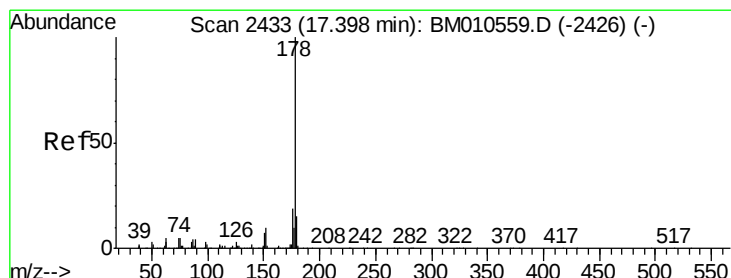
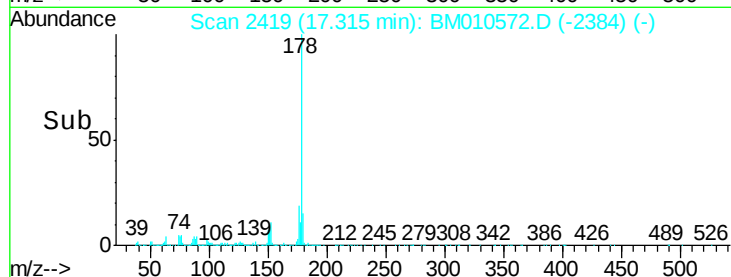
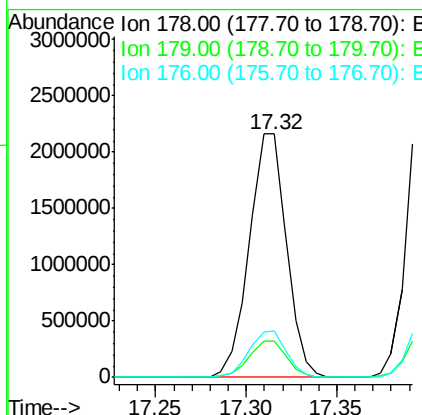
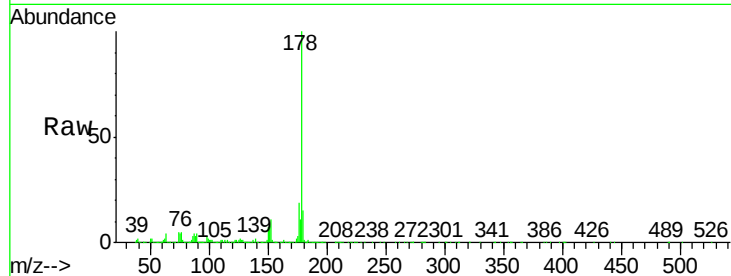
#69
Phenanthrene
Concen: 95.281 ng/u1
RT: 17.32 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Instrument :
BNA_M
ClientSampleId :
F5C31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	19.3	14.9	22.3

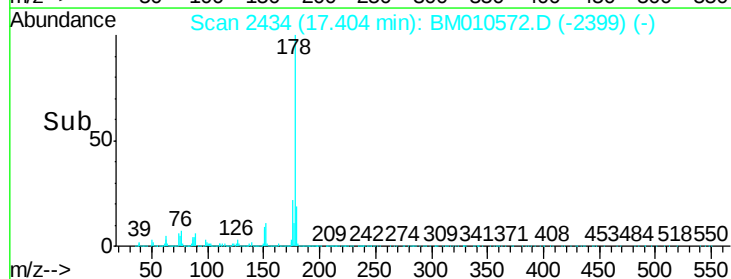
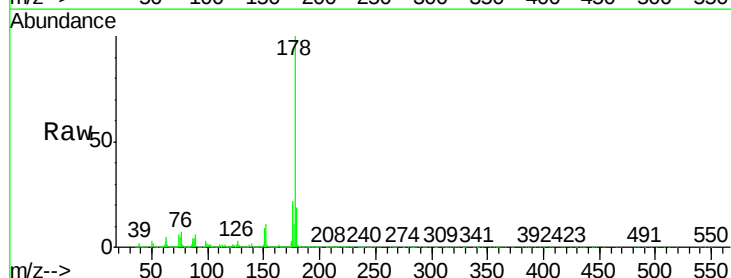
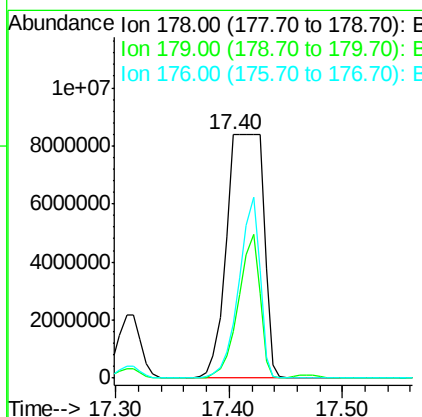
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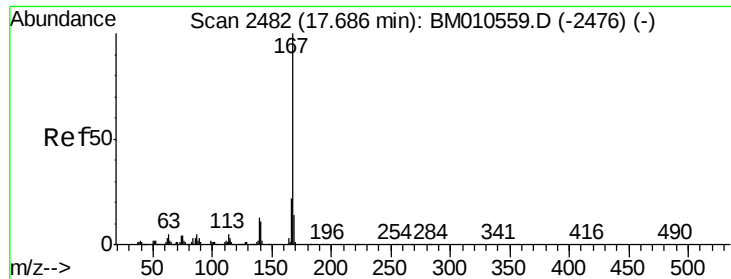
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#71
Anthracene
Concen: 566.241 ng/u1 m
RT: 17.40 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.9	11.7	17.5#
176	22.4	14.6	21.8#





#72

Carbazole

Concen: 285.944 ng/ul

RT: 17.70 min Scan# 2484

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampled :

F5C31

Tgt Ion:167 Resp: 8192488

Ion Ratio Lower Upper

167 100

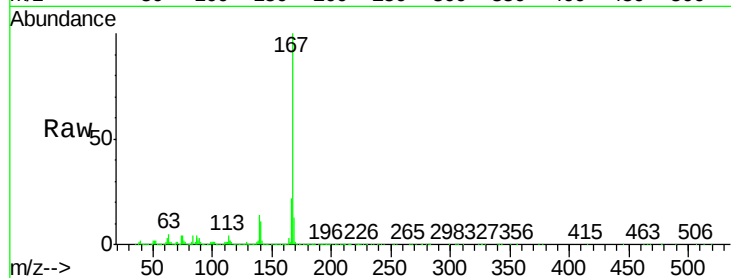
166 22.1 17.1 25.7

139 13.6 10.0 15.0

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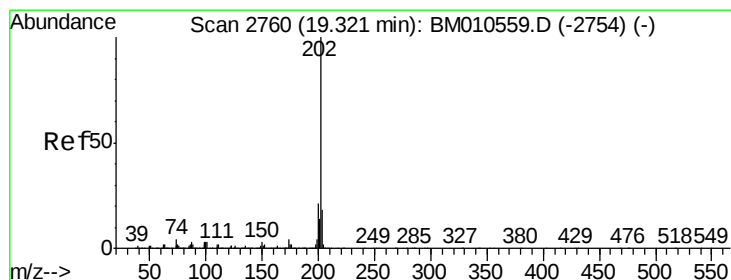
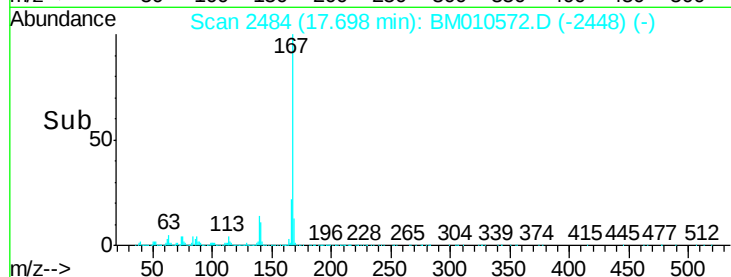
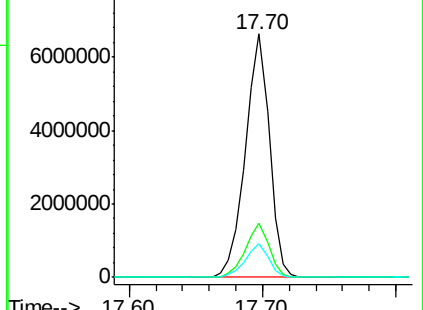
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 288.469 ng/ul

RT: 19.33 min Scan# 2761

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

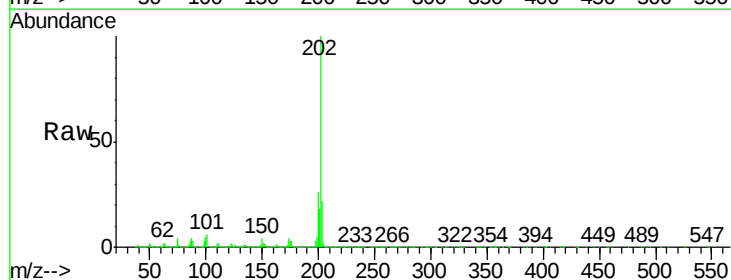
Tgt Ion:202 Resp:11501944

Ion Ratio Lower Upper

202 100

101 5.9 4.6 7.0

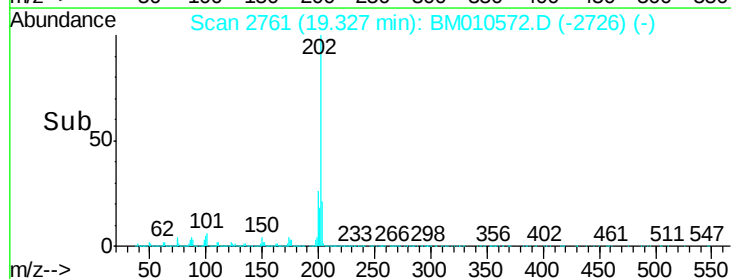
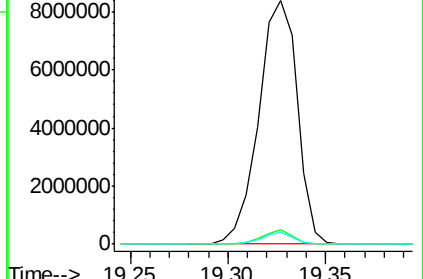
100 4.8 3.4 5.2

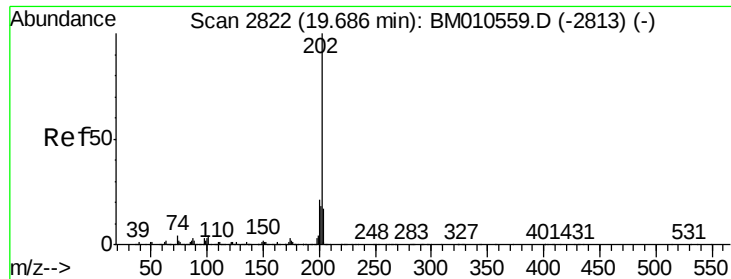


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





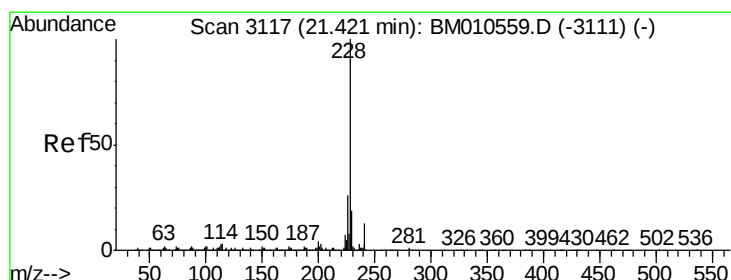
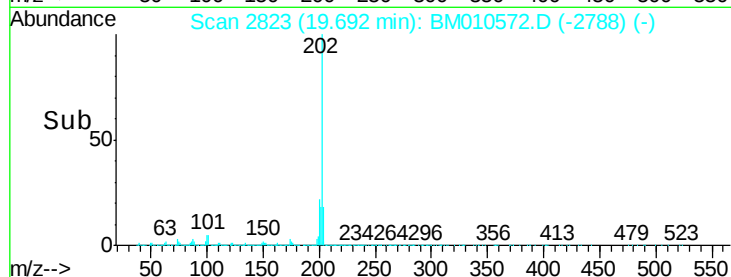
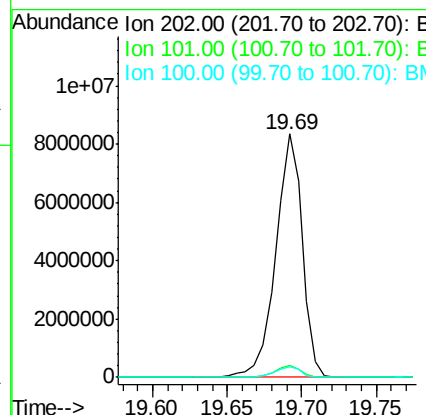
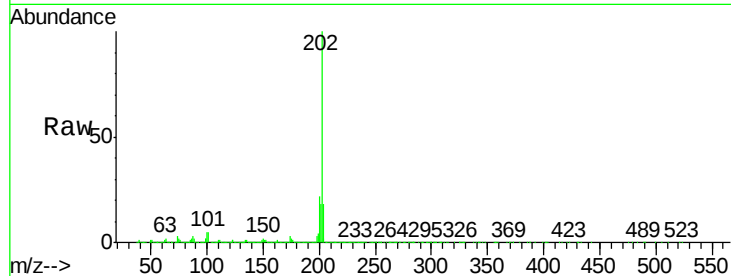
#77
 Pyrene
 Concen: 197.126 ng/ul
 RT: 19.69 min Scan# 2823
 Delta R.T. 0.01 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Instrument :
 BNA_M
 ClientSampleId :
 F5C31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.1	5.1	7.7#
100	4.6	4.9	7.3#

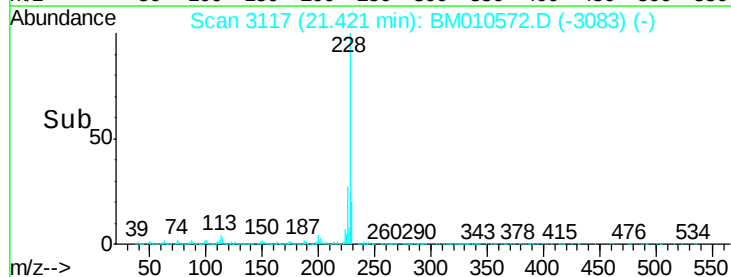
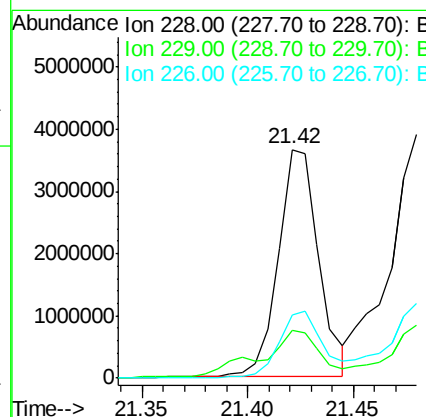
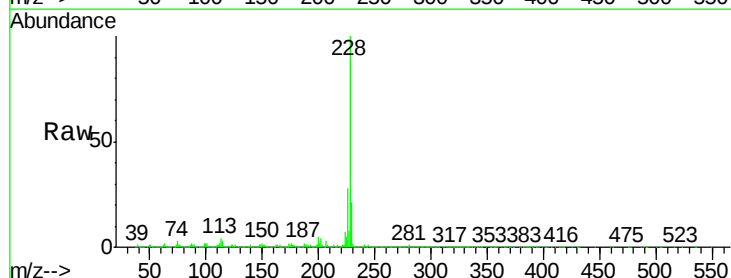
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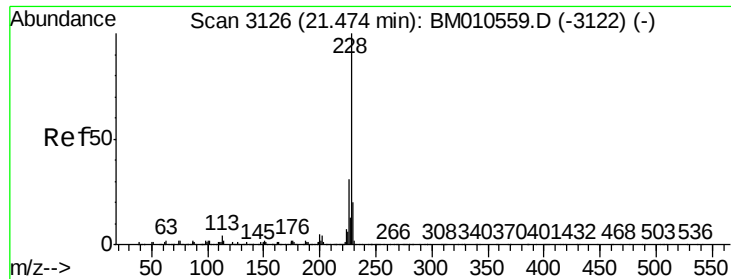
mohammad
 6/14/2017 2:57:43 PM



#80
 Benzo(a)anthracene
 Concen: 85.100 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	27.7	21.4	32.0





#82

Chrysene

Concen: 102.546 ng/ul

RT: 21.48 min Scan# 3127

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampled :

F5C31

Tgt Ion:228 Resp: 5304981

Ion Ratio Lower Upper

228 100

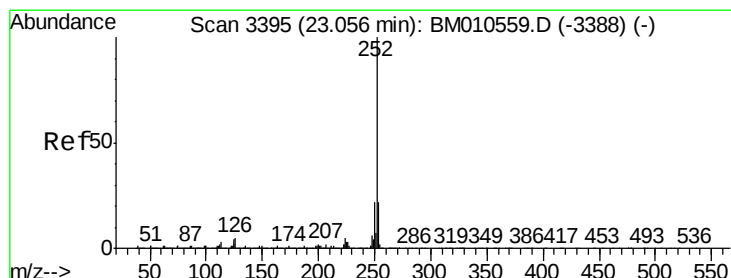
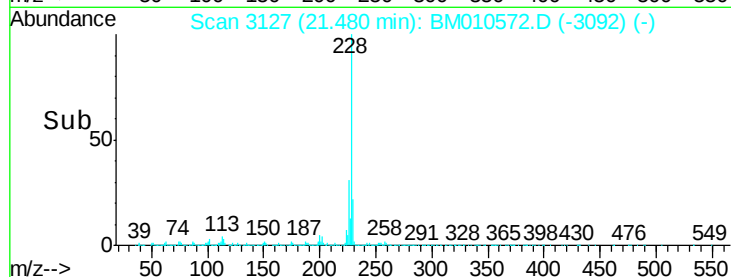
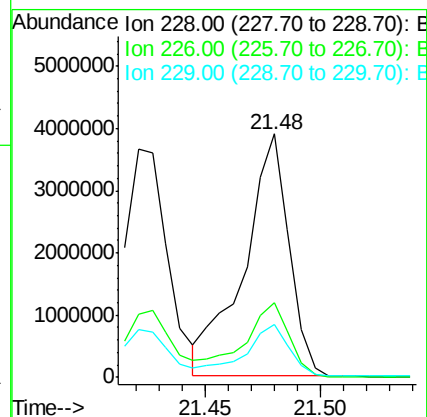
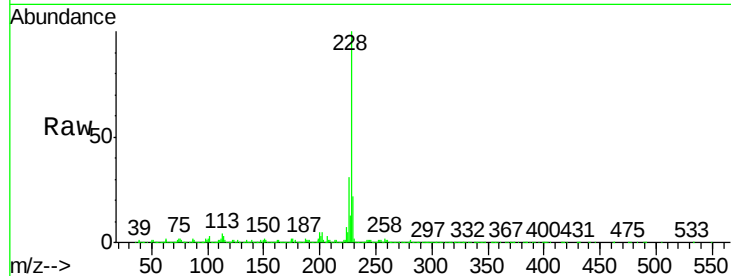
226 30.8 23.4 35.2

229 21.9 15.5 23.3

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#85

Benzo(b)fluoranthene

Concen: 136.217 ng/ul

RT: 23.07 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

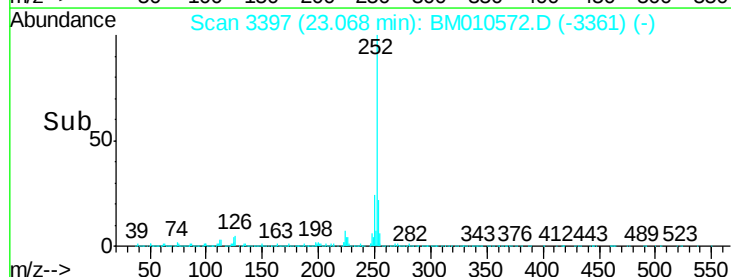
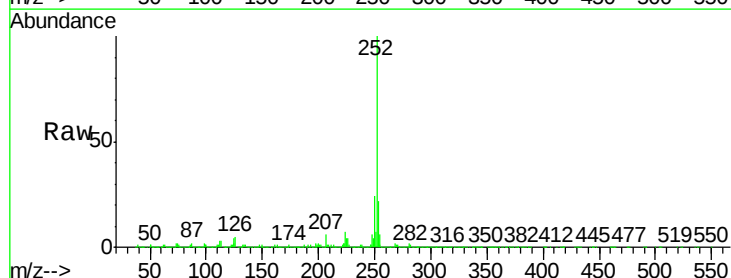
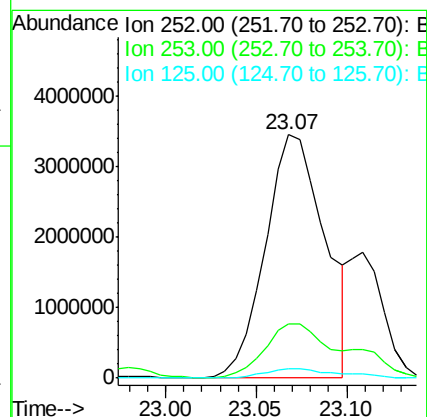
Tgt Ion:252 Resp: 7899656

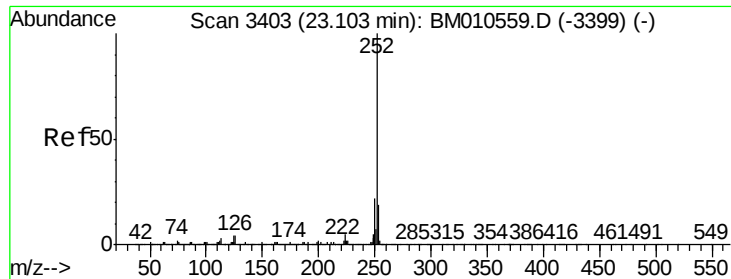
Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 3.7 3.6 5.4





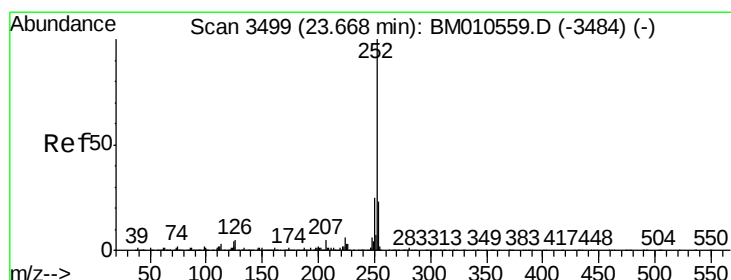
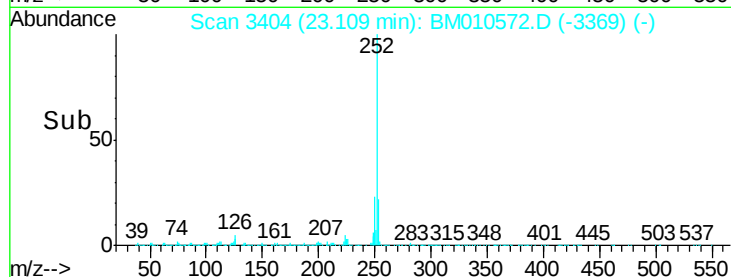
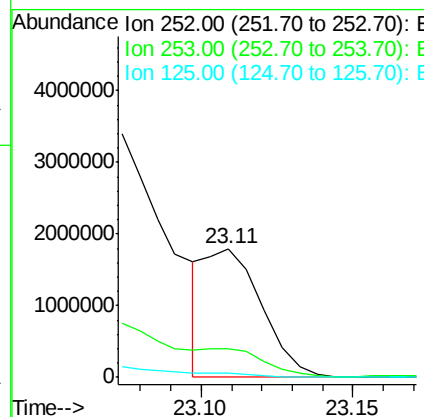
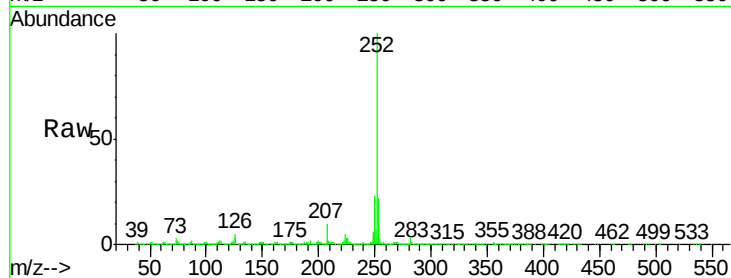
#86
Benzo(k)fluoranthene
Concen: 41.792 ng/ul m
RT: 23.11 min Scan# 3404
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Instrument :
BNA_M
ClientSampled :
F5C31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	3.3	3.4	5.2

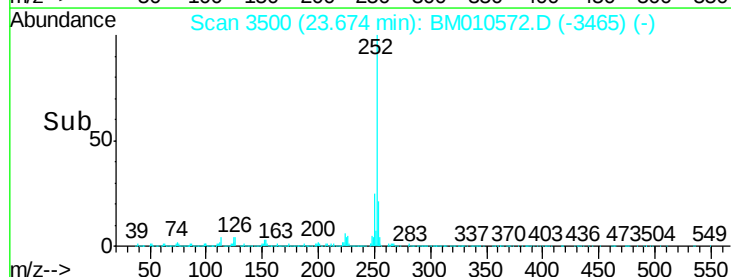
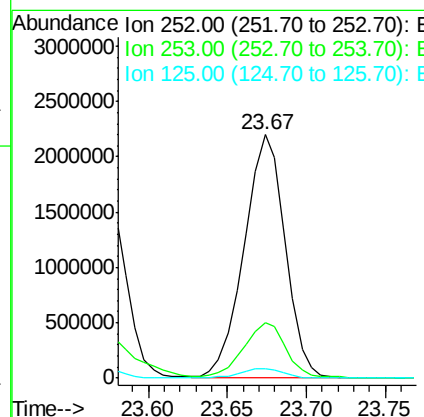
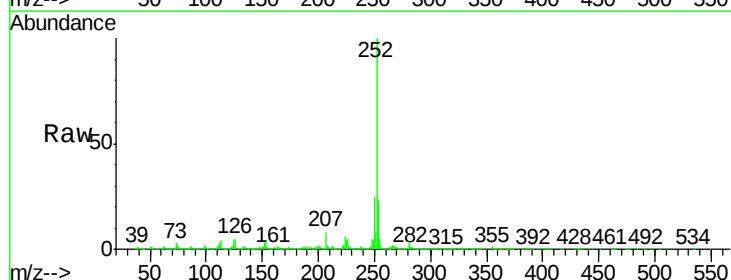
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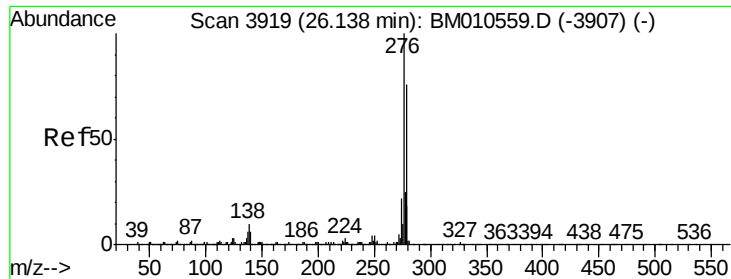
mohammad
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#88
Benzo(a)pyrene
Concen: 69.372 ng/ul m
RT: 23.67 min Scan# 3500
Delta R.T. 0.01 min
Lab File: BM010572.D
Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	4.0	4.0	6.0





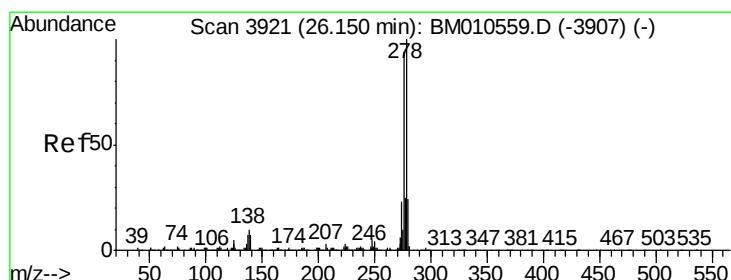
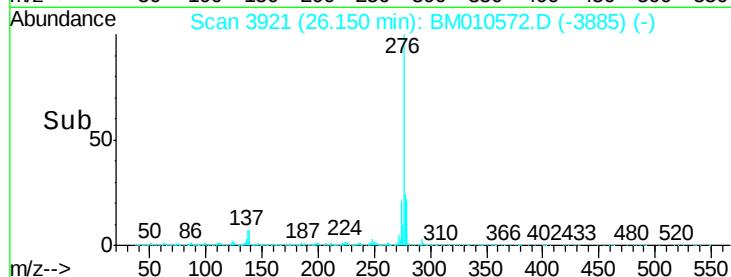
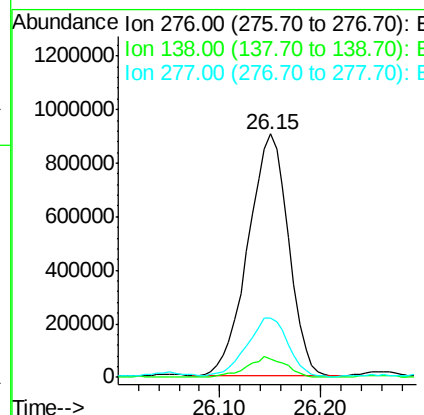
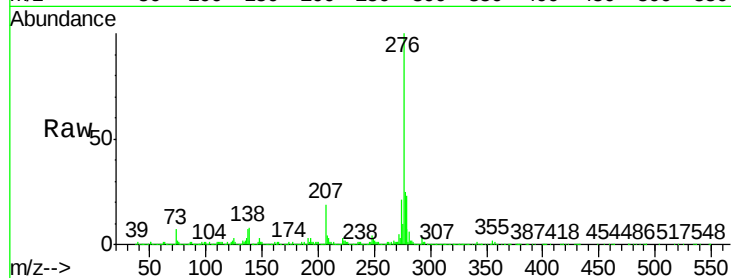
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 34.672 ng/ul
 RT: 26.15 min Scan# 3921
 Delta R.T. 0.01 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Instrument :
 BNA_M
 ClientSampleId :
 F5C31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.7	9.3	13.9#
277	24.6	19.9	29.9

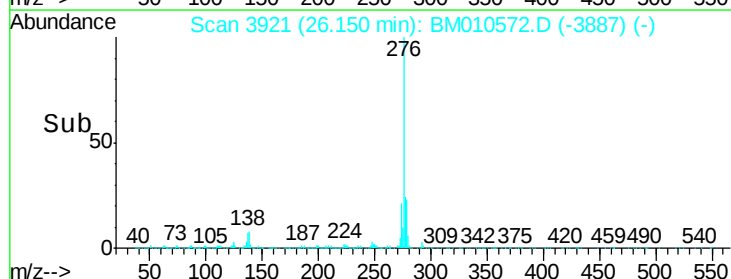
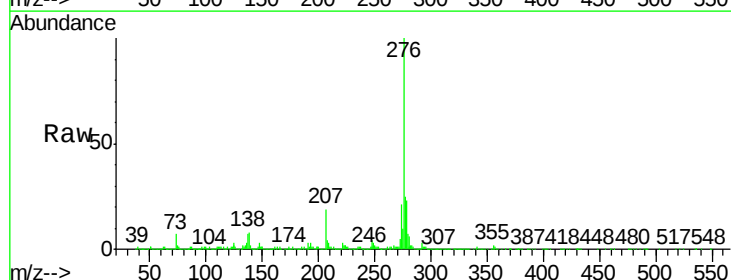
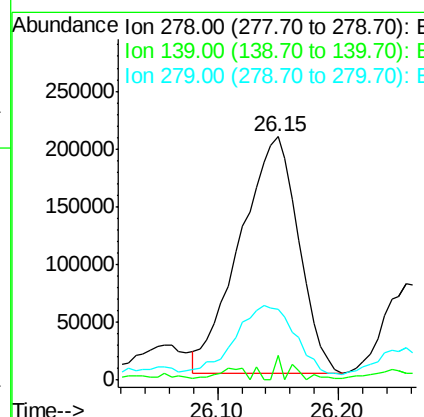
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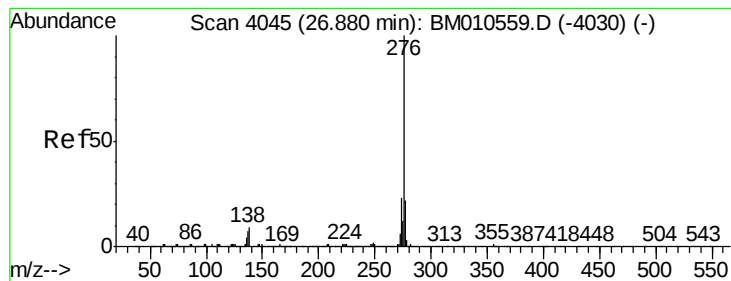
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#90
 Dibenzo(a,h)anthracene
 Concen: 10.988 ng/ul
 RT: 26.15 min Scan# 3921
 Delta R.T. -0.00 min
 Lab File: BM010572.D
 Acq: 13 Jun 2017 22:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.1	5.8	8.8#
279	28.9	18.6	27.8#





#91

Benzo(g,h,i)perylene

Concen: 29.443 ng/ul

RT: 26.89 min Scan# 4047

Delta R.T. 0.01 min

Lab File: BM010572.D

Acq: 13 Jun 2017 22:21

Instrument :

BNA_M

ClientSampleId :

F5C31

Tgt Ion: 276 Resp: 1761628

Ion Ratio Lower Upper

276 100

138 8.3 8.5 12.7#

277 26.0 18.6 28.0

Manual Integrations

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