

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
 Data File : BM010563.D
 Acq On : 13 Jun 2017 16:53
 Operator : SJ/MA
 Sample : I3521-10ME
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5C58ME

Manual Integrations
 APPROVED

mohammad
 6/14/2017 2:57:08 PM

Quant Time: Jun 14 02:18:56 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	97289	20.00	ng/ul	0.00
18) Naphthalene-d8	10.68	136	317138	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	225525	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	609103	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	948205	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	968134	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	8866	3.74	ng/uL	0.00
5) Phenol-d5	7.07	99	128145	17.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	74276	17.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	119891	20.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.60	113	109246	18.37	ng/ul	0.00
19) Nitrobenzene-d5	9.07	128	49308	21.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.78	143	61764	22.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.31	165	138716	25.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.85	131	122265	22.92	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	467115	24.93	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	509220	23.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.76	143	51330	18.31	ng/ul	0.00
57) Fluorene-d10	15.51	176	423226	25.69	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.64	200	82436	19.11	ng/ul	0.00
70) Anthracene-d10	17.37	188	722284	24.37	ng/ul	0.00
76) Pyrene-d10	19.66	212	965555	24.63	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	1098763	24.38	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.74	128	3535679	222.275	ng/ul	99
34) 2-Methylnaphthalene	12.34	142	1240530	102.861	ng/ul	97
40) 1,1'-Biphenyl	13.35	154	362349	19.806	ng/ul	98
44) Dimethylphthalate	13.98	163	58292	3.163	ng/ul#	95
47) Acenaphthylene	14.24	152	38690	1.811	ng/ul#	90
49) Acenaphthene	14.59	153	1044551	69.724	ng/ul	98
53) Dibenzofuran	14.92	168	1424362	64.298	ng/ul	93
58) Fluorene	15.57	166	1397033	76.881	ng/ul	95
69) Phenanthrene	17.32	178	7820622	240.508	ng/ul	99
71) Anthracene	17.40	178	663016	19.531	ng/ul	97
72) Carbazole	17.69	167	317570	11.052	ng/ul	95
74) Fluoranthene	19.32	202	4503109	112.615	ng/ul#	95
77) Pyrene	19.69	202	2816201	57.636	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	899000	16.813	ng/ul	99
82) Chrysene	21.47	228	738928	15.287	ng/ul	98
85) Benzo(b)fluoranthene	23.06	252	476922	8.466	ng/ul#	98
86) Benzo(k)fluoranthene	23.10	252	179207m	3.330	ng/ul	
88) Benzo(a)pyrene	23.66	252	289094	5.177	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	26.13	276	112020	1.588	ng/ul#	89
91) Benzo(g,h,i)perylene	26.87	276	79149m	1.362	ng/ul	

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

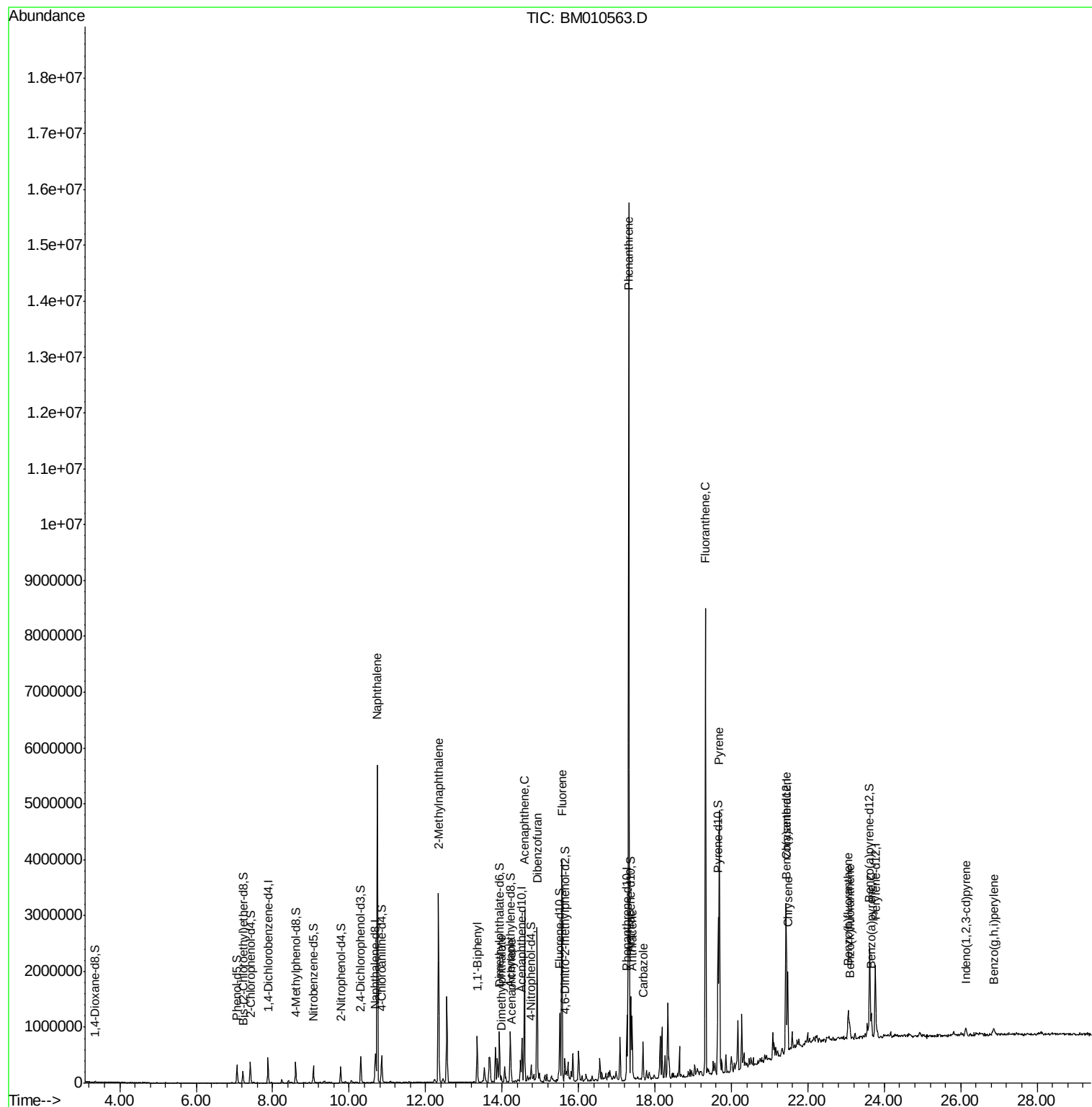
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010563.D
Acq On : 13 Jun 2017 16:53
Operator : SJ/MA
Sample : I3521-10ME
Misc :
ALS Vial : 6 Sample Multiplier: 1

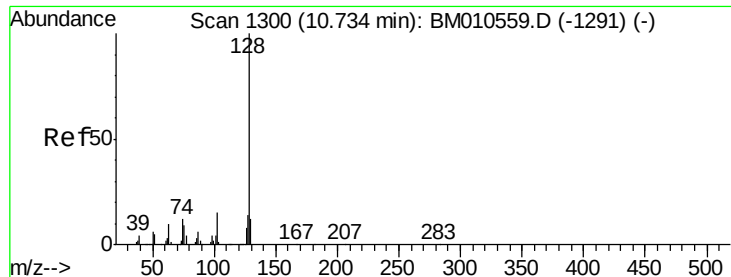
Instrument :
BNA_M
ClientSampleId :
F5C58ME

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Quant Time: Jun 14 02:18:56 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
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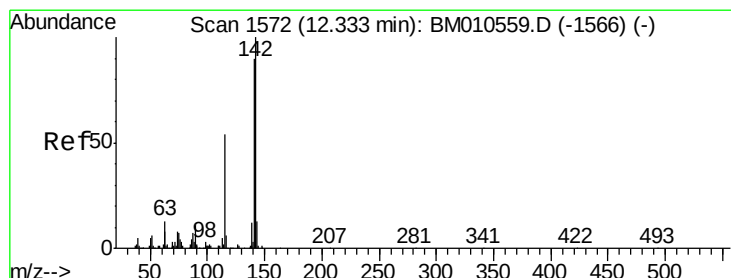
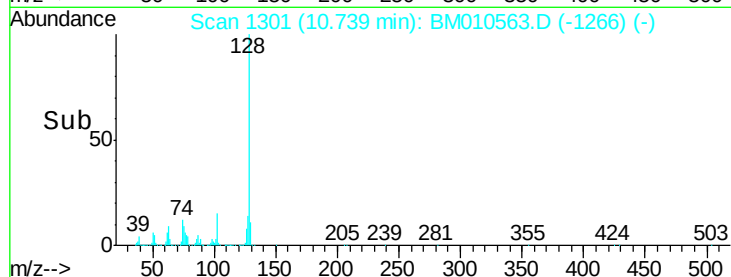
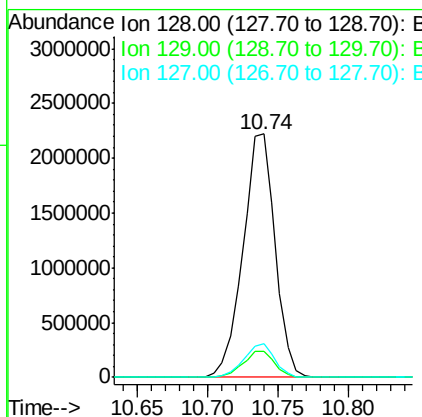
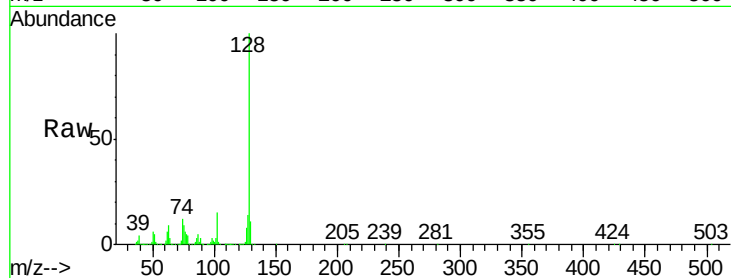
#28
Naphthalene
Concen: 222.275 ng/ul
RT: 10.74 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Instrument :
BNA_M
ClientSampleId :
F5C58ME

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	16.0

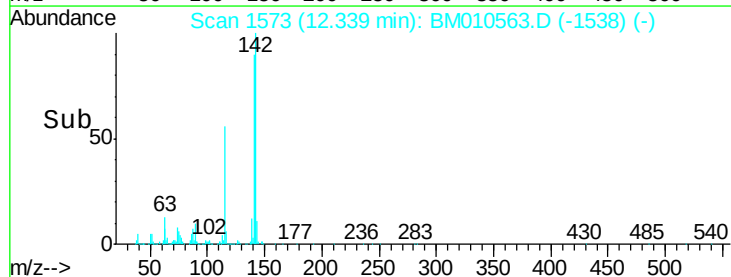
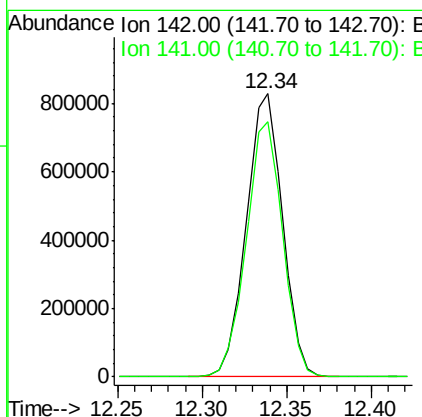
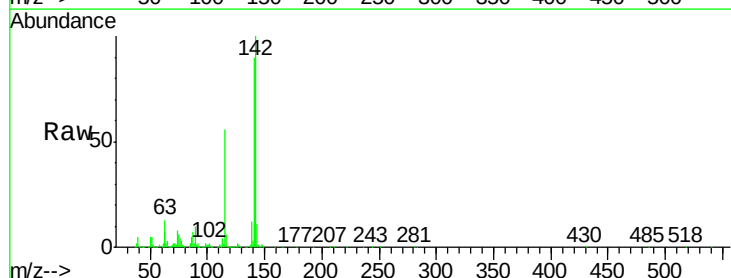
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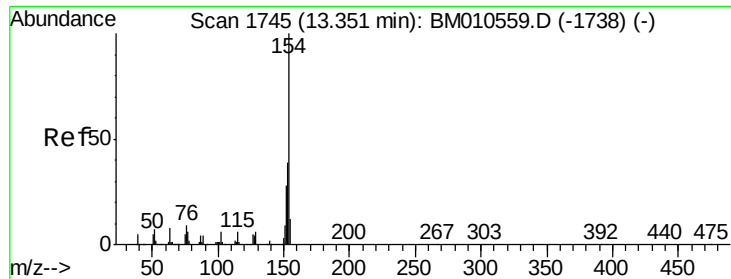
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#34
2-Methylnaphthalene
Concen: 102.861 ng/ul
RT: 12.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.0	74.1	111.1





#40

1,1'-Biphenyl

Concen: 19.806 ng/ul

RT: 13.35 min Scan# 1745

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

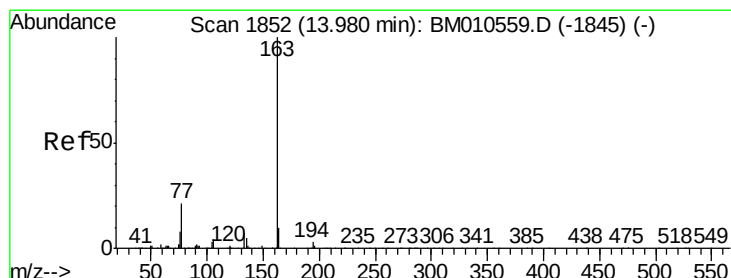
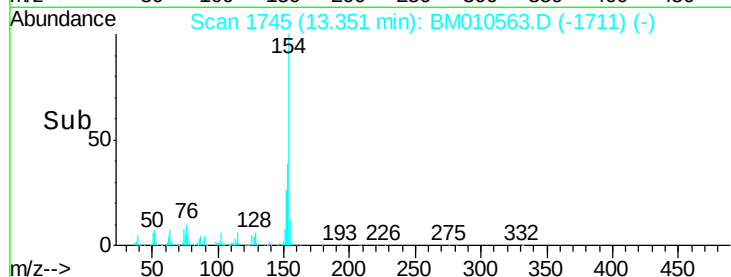
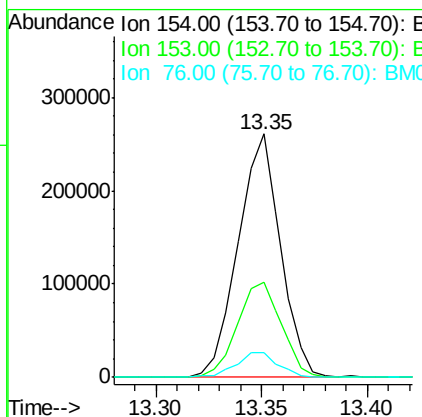
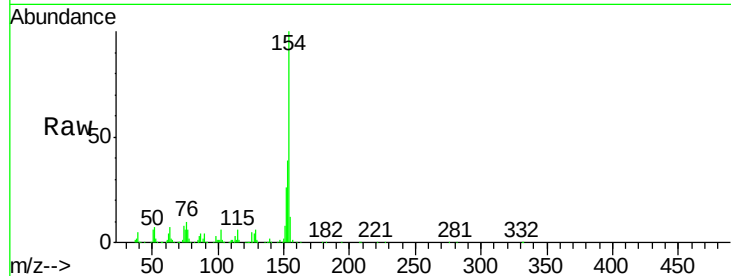
ClientSampleId :

F5C58ME

Tgt Ion:	154	Resp:	362349
Ion Ratio	Lower	Upper	
154	100		
153	39.0	32.6	48.8
76	10.3	8.5	12.7

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#44

Dimethylphthalate

Concen: 3.163 ng/ul

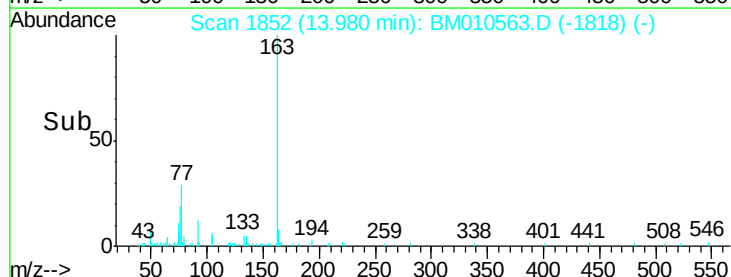
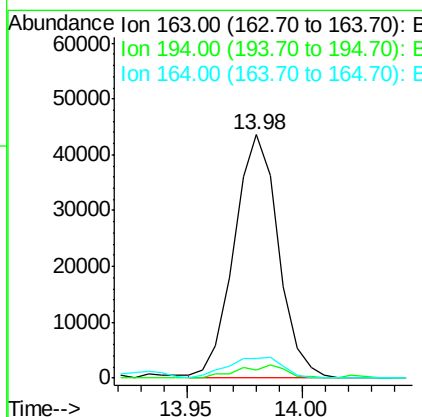
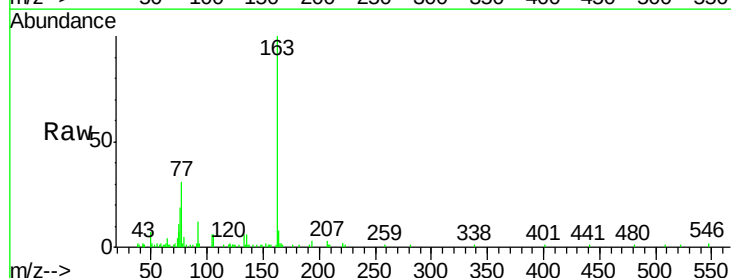
RT: 13.98 min Scan# 1852

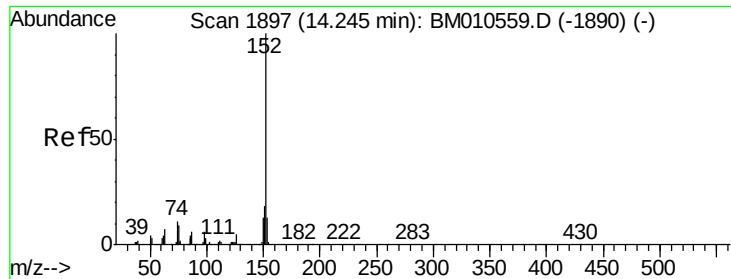
Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:	163	Resp:	58292
Ion Ratio	Lower	Upper	
163	100		
194	3.4	3.5	5.3#
164	8.2	8.2	12.4#





#47

Acenaphthylene

Concen: 1.811 ng/ul

RT: 14.24 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

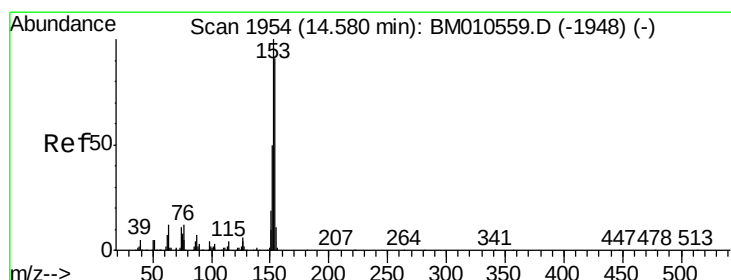
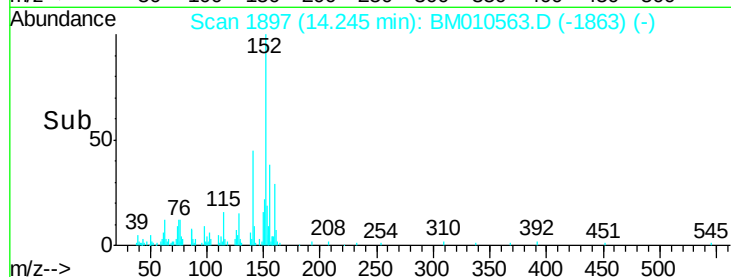
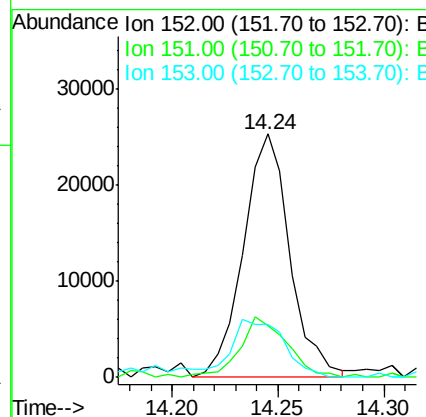
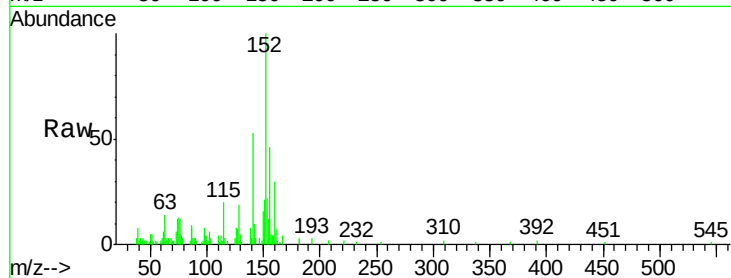
ClientSampleId :

F5C58ME

Tgt Ion:	152	Resp:	38690
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.3	24.5
153	21.7	10.2	15.4#

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#49

Acenaphthene

Concen: 69.724 ng/ul

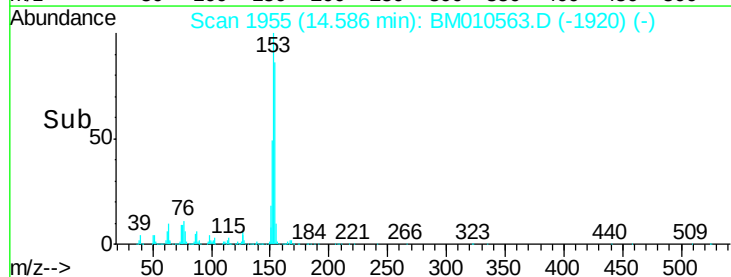
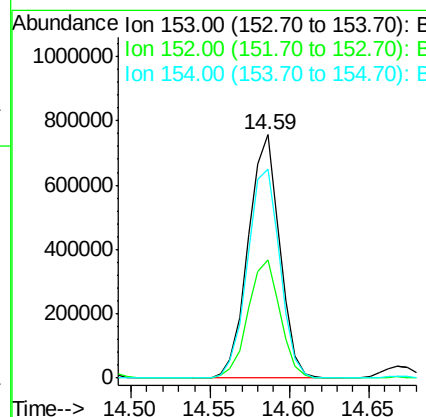
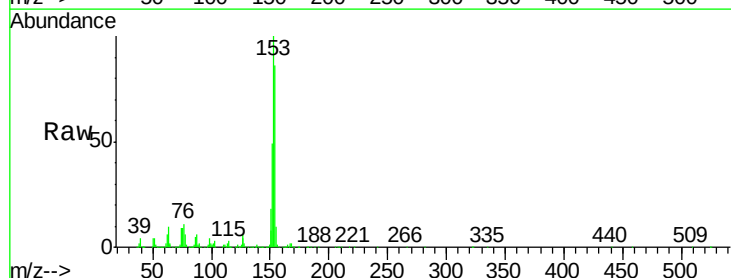
RT: 14.59 min Scan# 1955

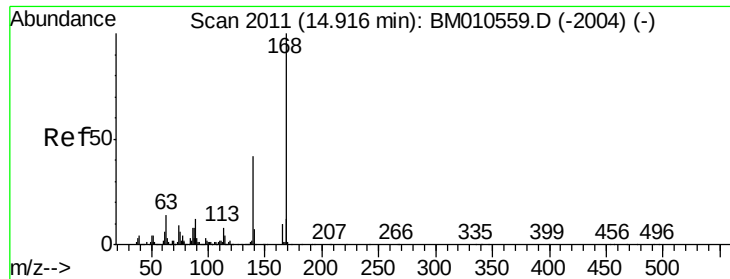
Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:	153	Resp:	1044551
Ion Ratio	Lower	Upper	
153	100		
152	48.7	37.6	56.4
154	85.7	70.4	105.6





#53

Dibenzofuran

Concen: 64.298 ng/ul

RT: 14.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampleId :

F5C58ME

Tgt Ion:168 Resp: 1424362

Ion Ratio Lower Upper

168 100

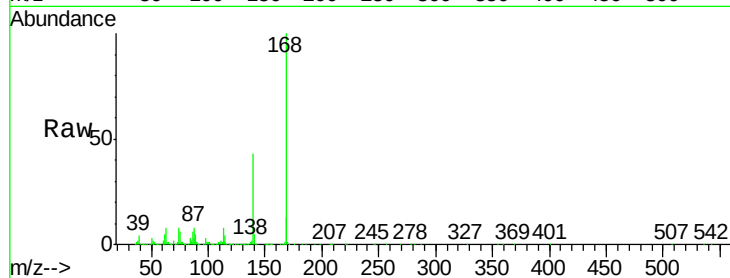
139 43.0 30.8 46.2

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

1200000

1000000

800000

600000

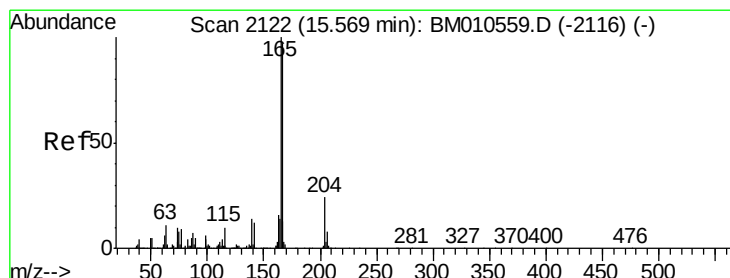
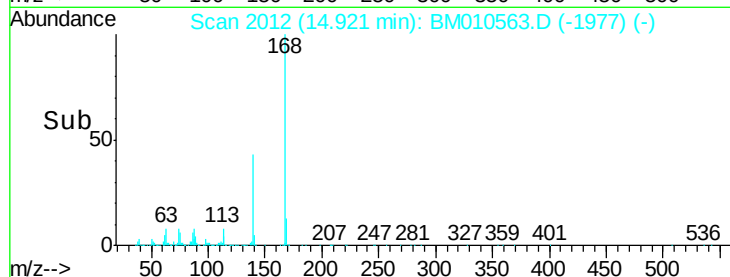
400000

200000

0

14.85 14.90 14.95

Time-->



#58

Fluorene

Concen: 76.881 ng/ul

RT: 15.57 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

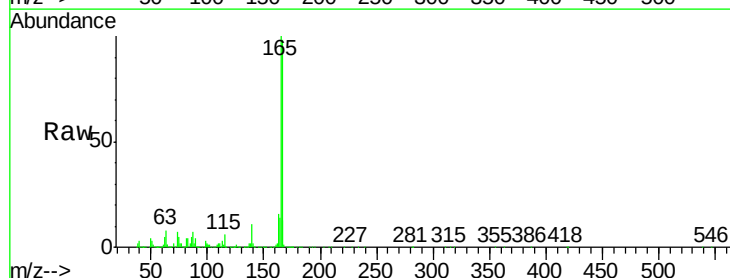
Tgt Ion:166 Resp: 1397033

Ion Ratio Lower Upper

166 100

165 102.5 77.9 116.9

167 13.6 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

1500000

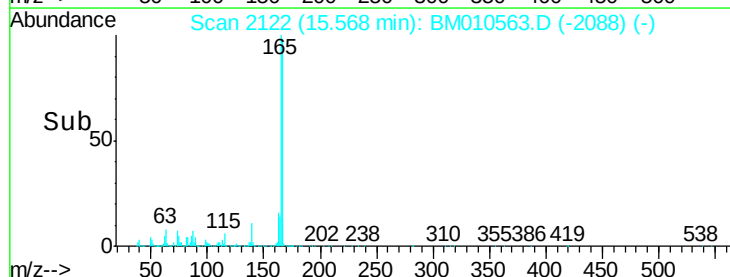
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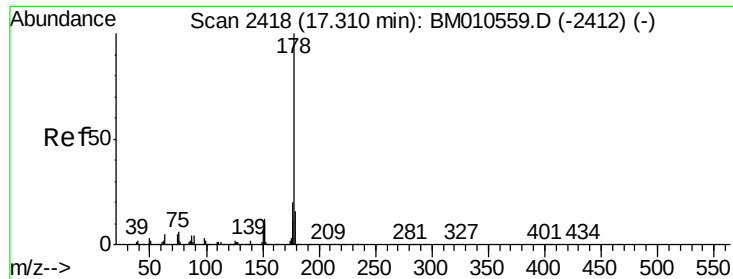
500000

0

15.50 15.55 15.60

Time-->





#69

Phenanthrene

Concen: 240.508 ng/ul

RT: 17.32 min Scan# 2419

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

ClientSampleId :

F5C58ME

Tgt Ion:178 Resp: 7820622

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

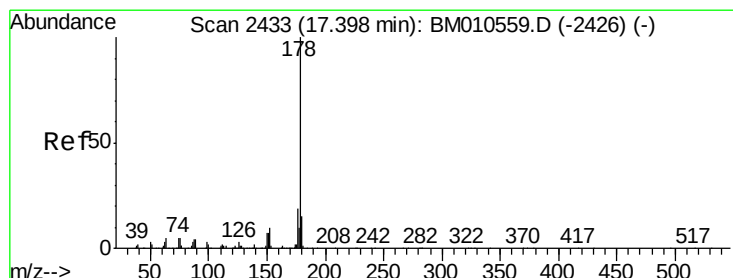
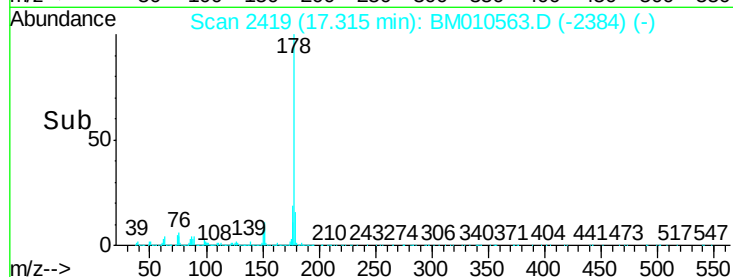
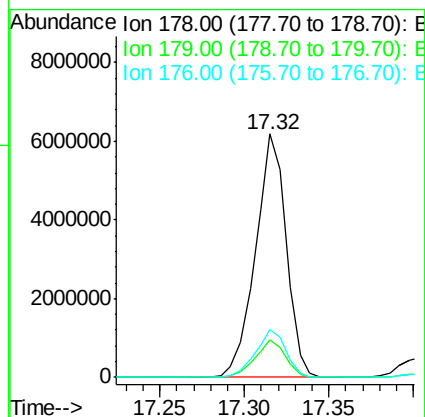
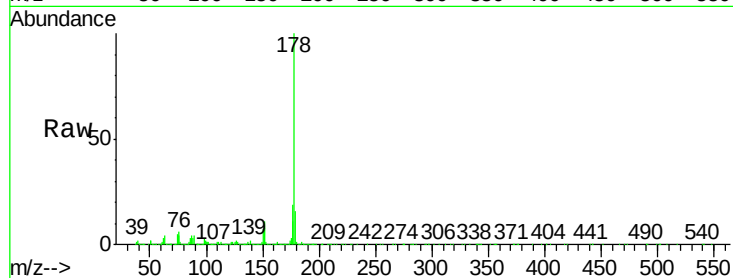
176 19.4 14.9 22.3

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#71

Anthracene

Concen: 19.531 ng/ul

RT: 17.40 min Scan# 2434

Delta R.T. 0.01 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

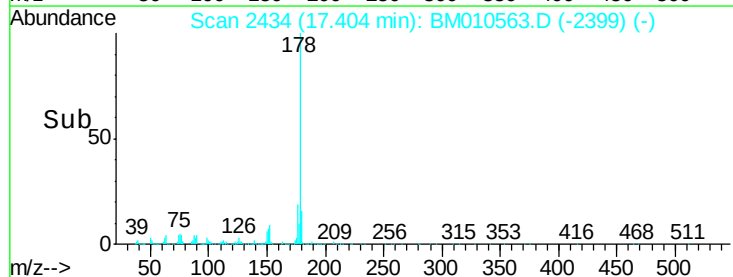
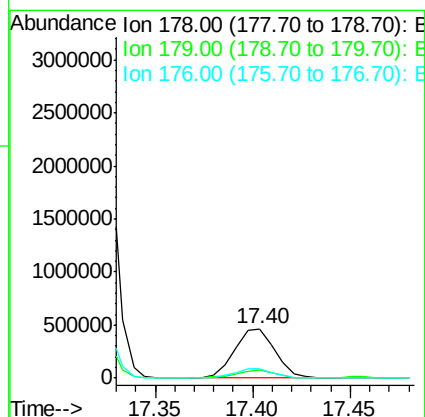
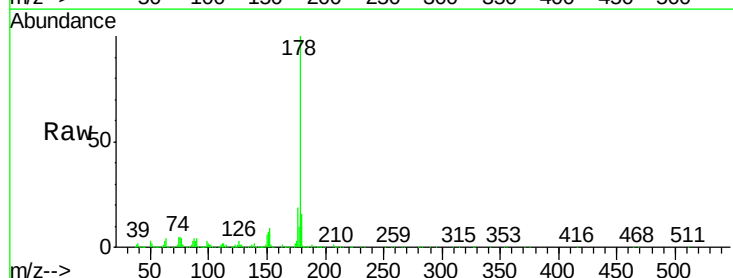
Tgt Ion:178 Resp: 663016

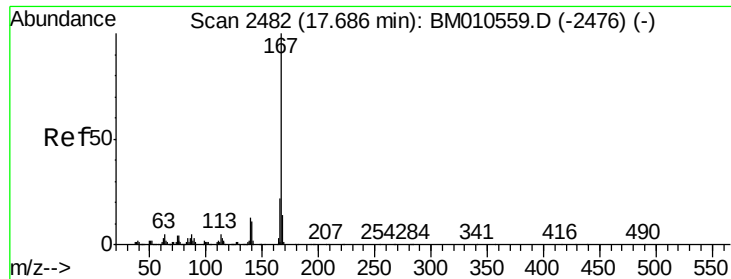
Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

176 19.3 14.6 21.8





#72

Carbazole

Concen: 11.052 ng/ul

RT: 17.69 min Scan# 2482

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

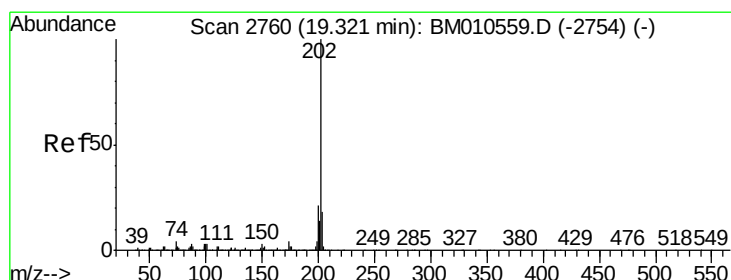
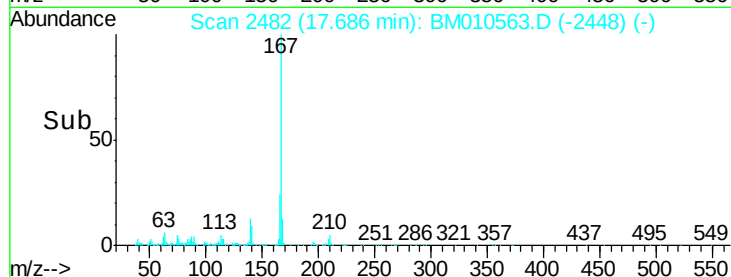
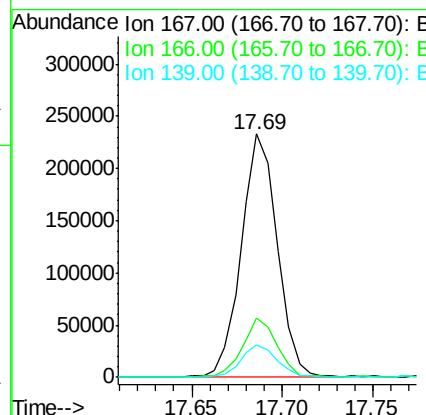
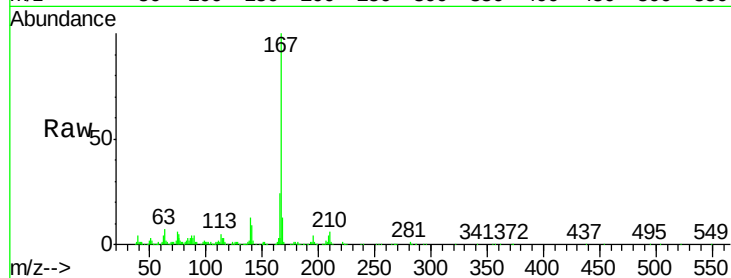
ClientSampleId :

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Tgt Ion:	167	Resp:	317570
Ion Ratio	Lower	Upper	
167	100		
166	24.5	17.1	25.7
139	13.3	10.0	15.0

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#74

Fluoranthene

Concen: 112.615 ng/ul

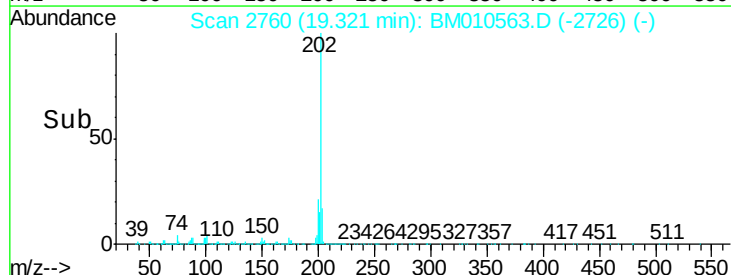
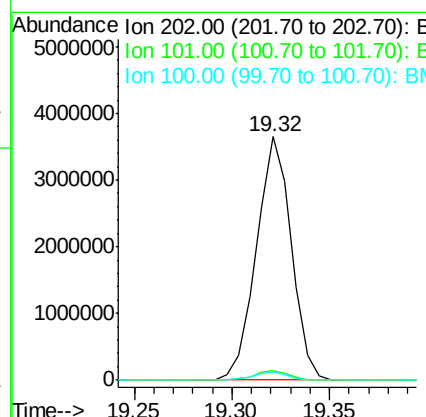
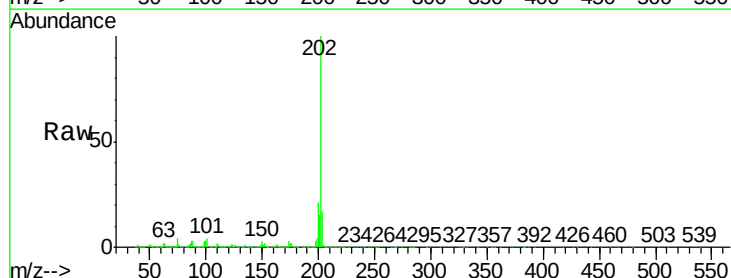
RT: 19.32 min Scan# 2760

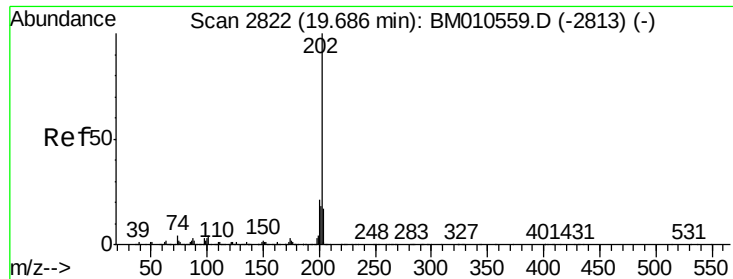
Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:	202	Resp:	4503109
Ion Ratio	Lower	Upper	
202	100		
101	3.8	4.6	7.0#
100	3.3	3.4	5.2#





#77

Pyrene

Concen: 57.636 ng/ul

RT: 19.69 min Scan# 2822

Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Instrument :

BNA_M

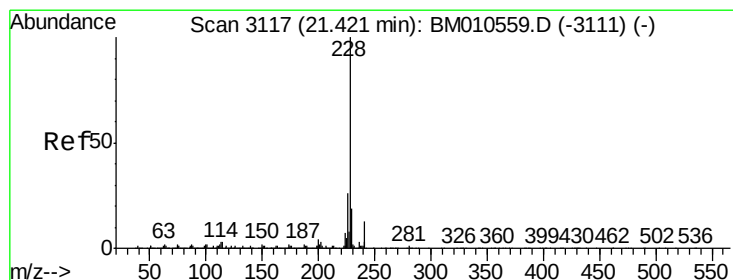
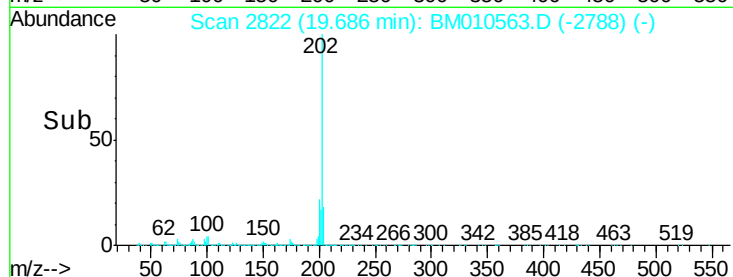
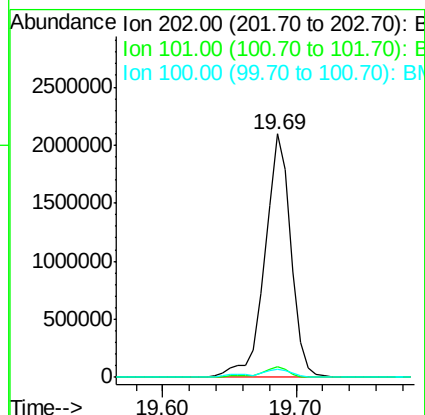
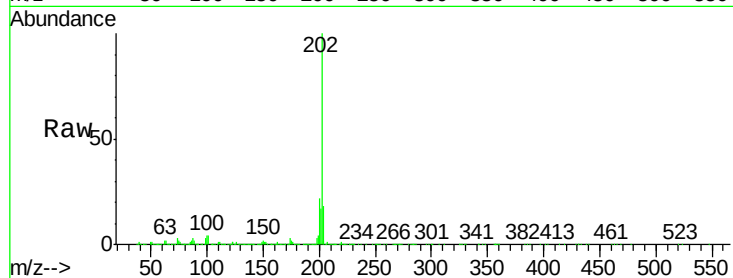
ClientSampleId :

F5C58ME

Tgt Ion:	202	Resp:	2816201
Ion Ratio	Lower	Upper	
202	100		
101	4.4	5.1	7.7#
100	3.6	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 16.813 ng/ul

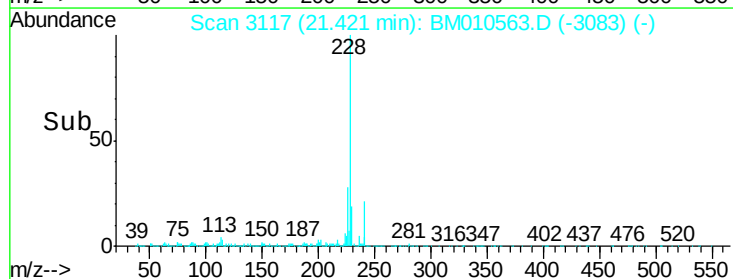
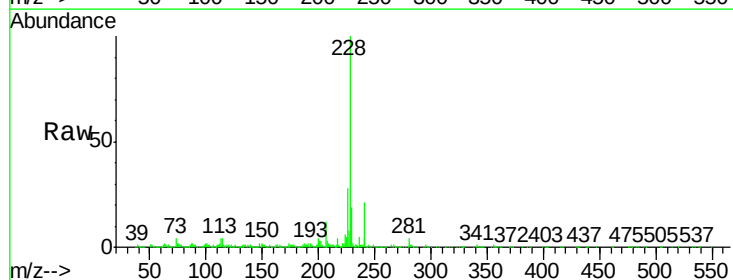
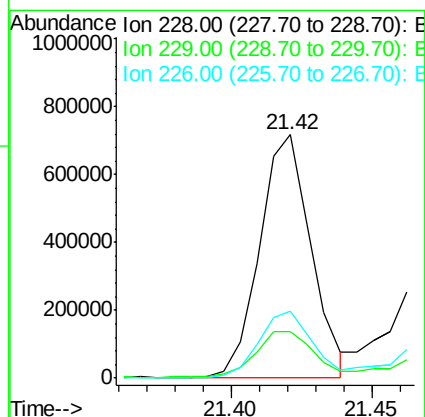
RT: 21.42 min Scan# 3117

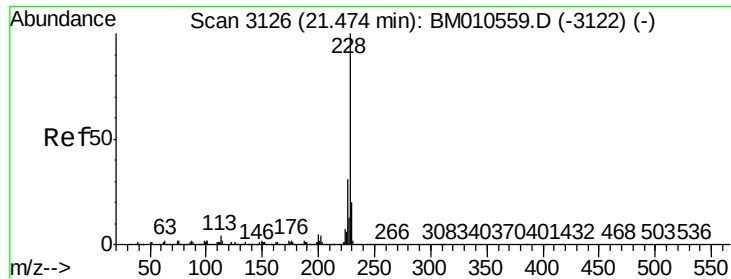
Delta R.T. -0.00 min

Lab File: BM010563.D

Acq: 13 Jun 2017 16:53

Tgt Ion:	228	Resp:	899000
Ion Ratio	Lower	Upper	
228	100		
229	18.9	15.4	23.0
226	27.6	21.4	32.0





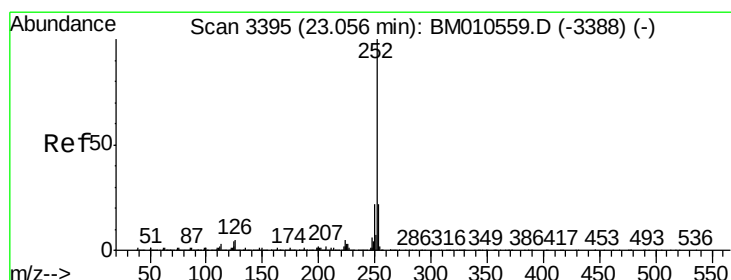
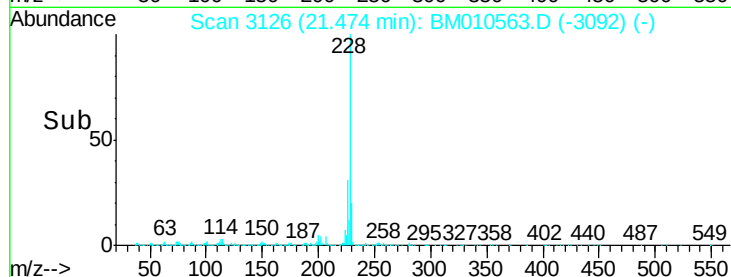
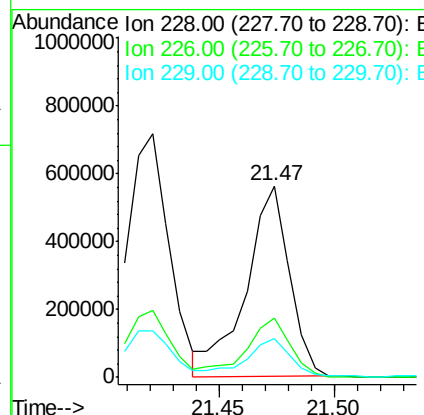
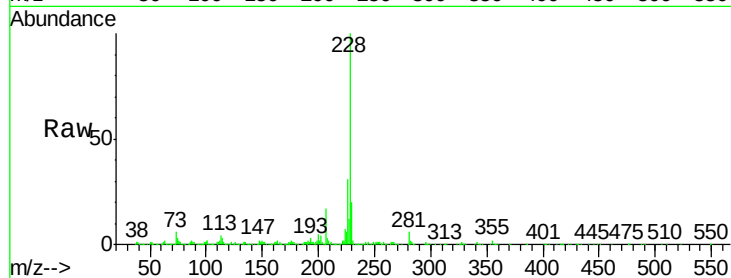
#82
Chrysene
 Concen: 15.287 ng/ul
 RT: 21.47 min Scan# 3126
 Delta R.T. -0.00 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

Instrument :
 BNA_M
 ClientSampleId :
 F5C58ME

Tgt Ion:	228	Resp:	738928
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.4	35.2
229	20.2	15.5	23.3

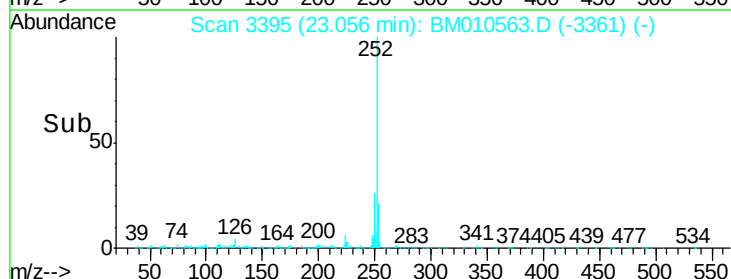
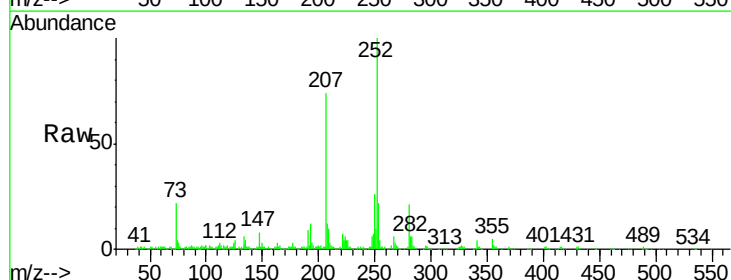
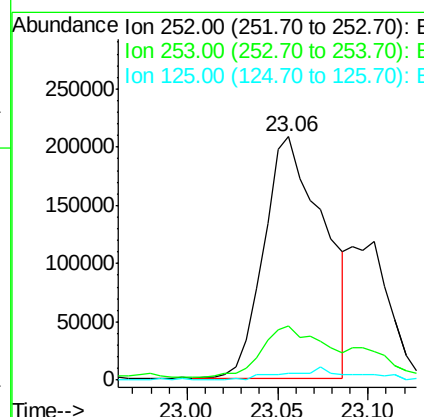
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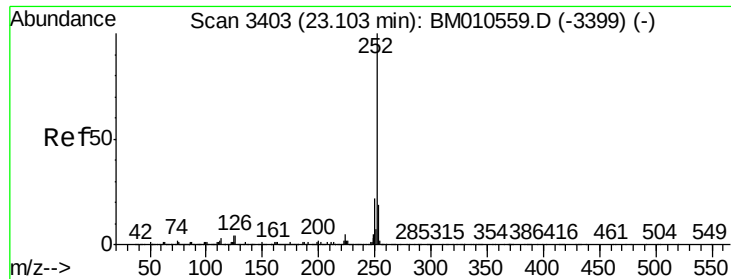
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#85
Benzo(b)fluoranthene
 Concen: 8.466 ng/ul
 RT: 23.06 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

Tgt Ion:	252	Resp:	476922
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	2.7	3.6	5.4#





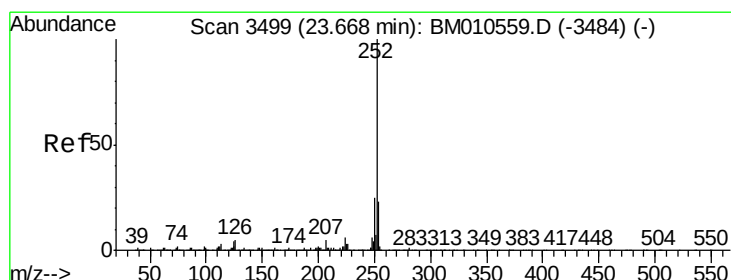
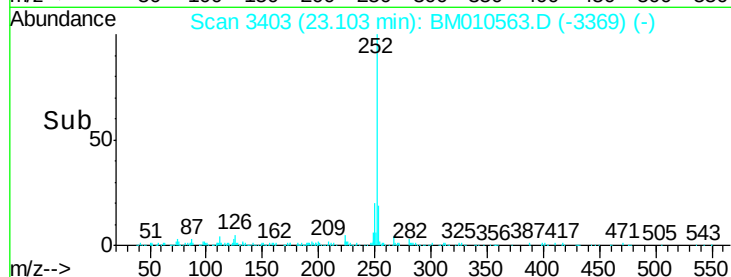
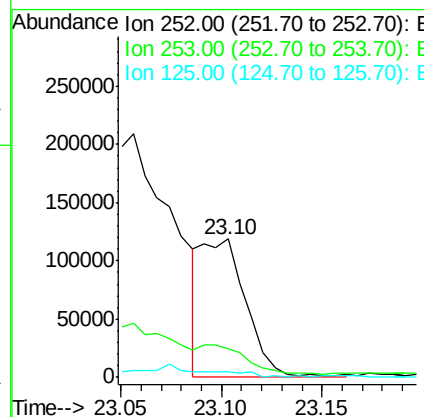
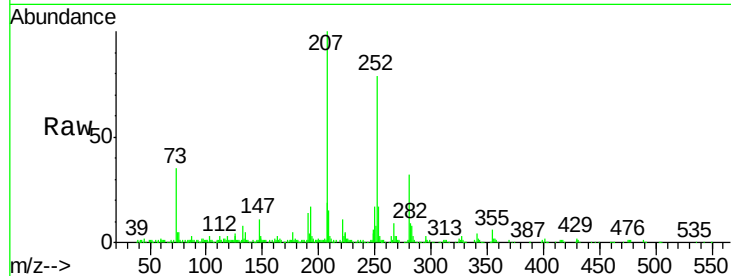
#86
Benzo(k)fluoranthene
Concen: 3.330 ng/ul m
RT: 23.10 min Scan# 3403
Delta R.T. -0.00 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Instrument :
BNA_M
ClientSampled :
F5C58ME

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	3.6	3.4	5.2

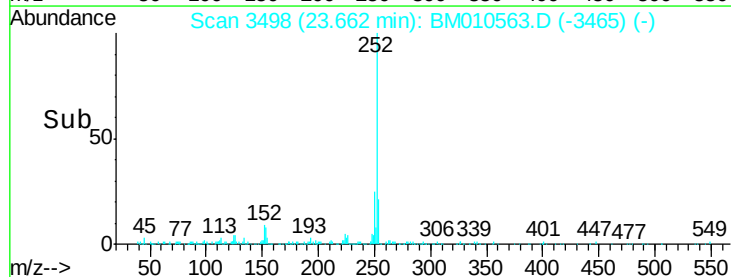
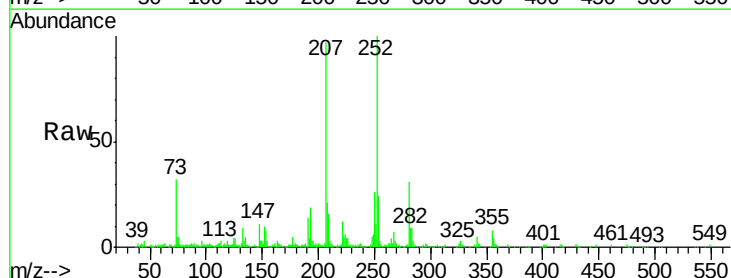
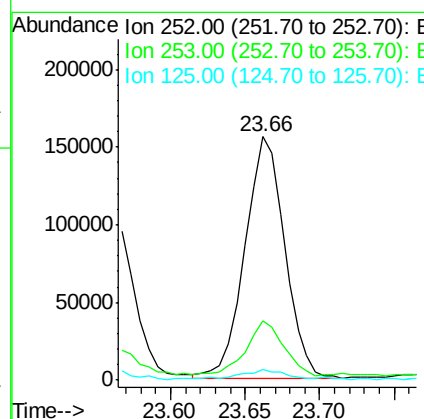
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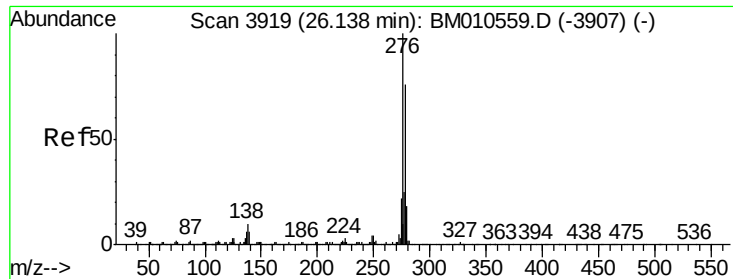
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#88
Benzo(a)pyrene
Concen: 5.177 ng/ul
RT: 23.66 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM010563.D
Acq: 13 Jun 2017 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	4.4	4.0	6.0





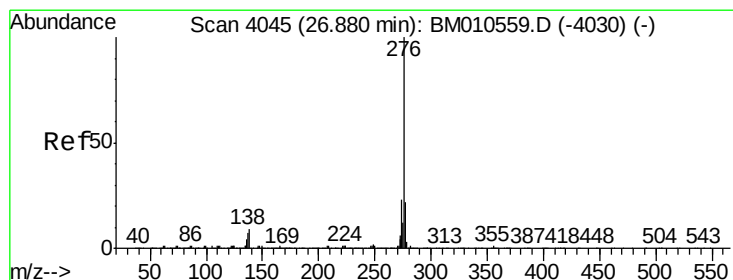
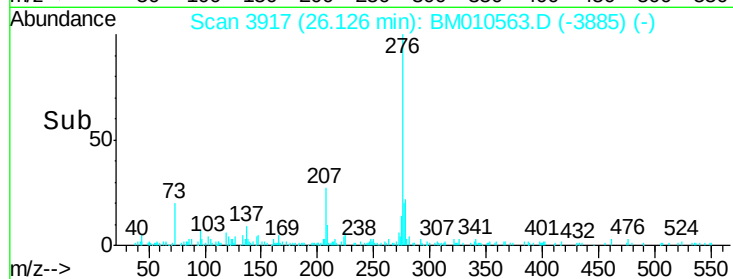
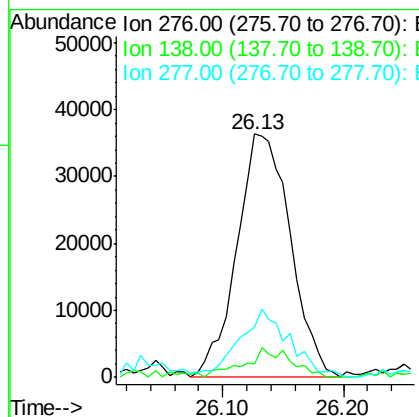
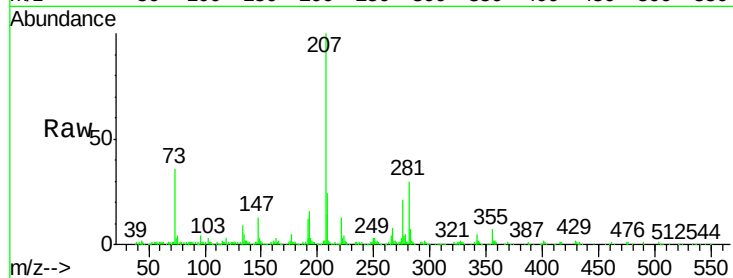
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.588 ng/ul
 RT: 26.13 min Scan# 3917
 Delta R.T. -0.01 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

Instrument :
 BNA_M
 ClientSampleId :
 F5C58ME

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	5.4	9.3	13.9#
277	20.8	19.9	29.9

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#91
 Benzo(g,h,i)perylene
 Concen: 1.362 ng/ul m
 RT: 26.87 min Scan# 4043
 Delta R.T. -0.01 min
 Lab File: BM010563.D
 Acq: 13 Jun 2017 16:53

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	7.5	8.5	12.7#
277	18.8	18.6	28.0

