

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

Quant Time: Jun 12 09:07:11 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
15) N-Nitroso-di-n-propylamine	8.62	70	8567	1.026 ng/ul#	1
28) Naphthalene	10.75	128	595281	20.402 ng/ul	97
30) 4-Chloroaniline	10.75	127	81972	8.681 ng/ul#	42
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	19.48	202	167855	2.724 ng/ul	98
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	23.08	252	9518335	122.112 ng/ul	99
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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Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 12 09:00:46 2017
Response via : Initial Calibration

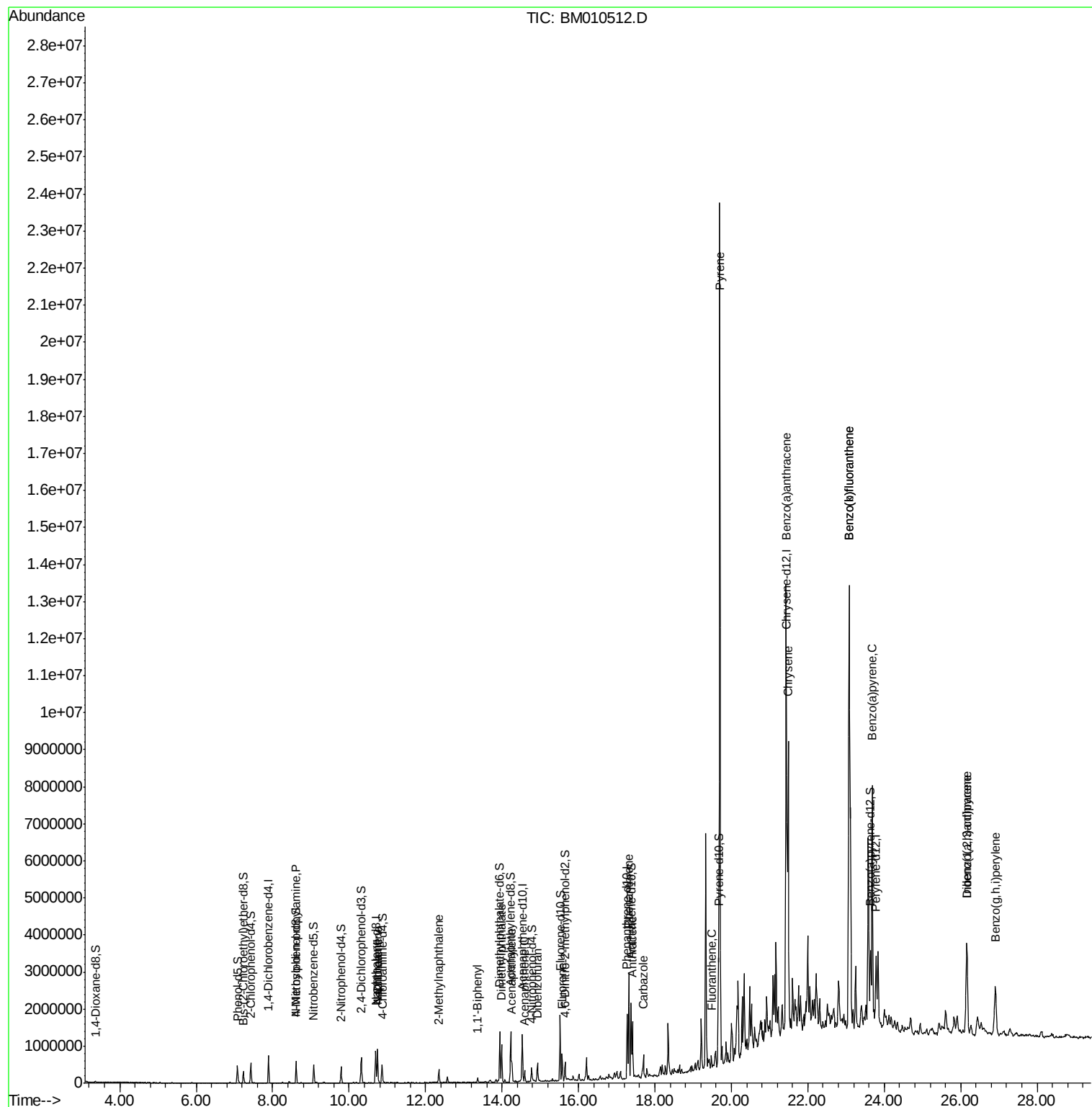
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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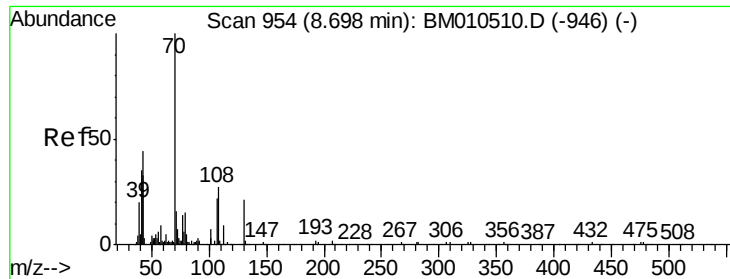
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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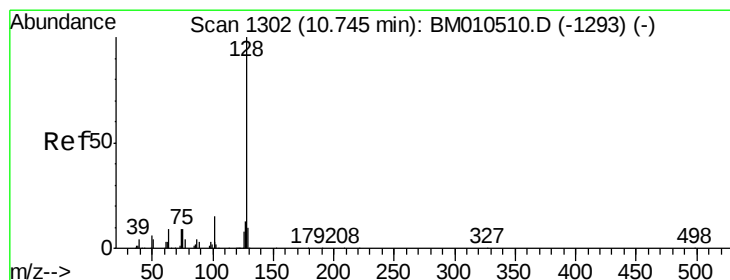
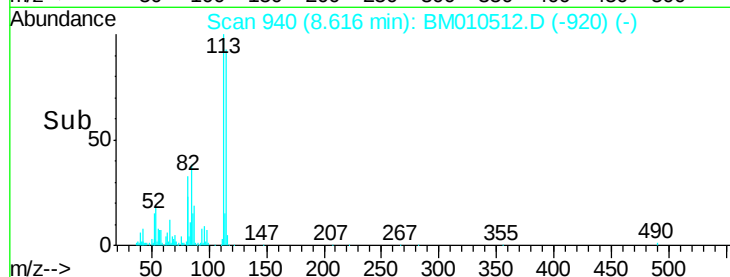
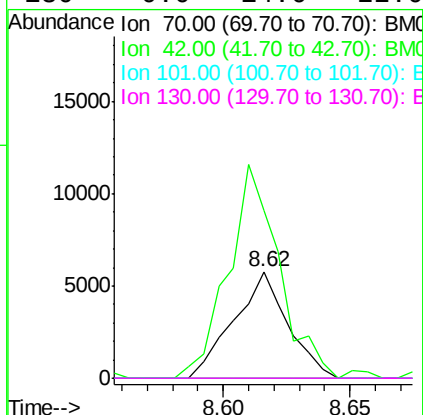
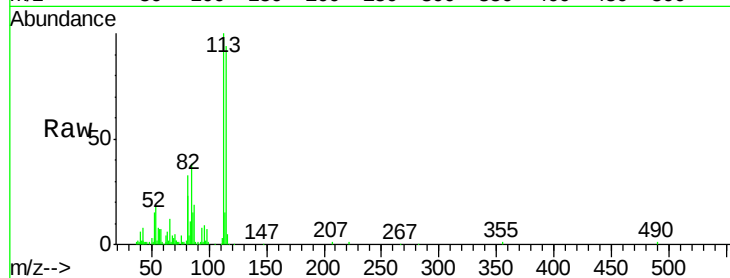




#15
N-Nitroso-di-n-propylamine
Concen: 1.026 ng/ul
RT: 8.62 min Scan# 940
Delta R.T. -0.08 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

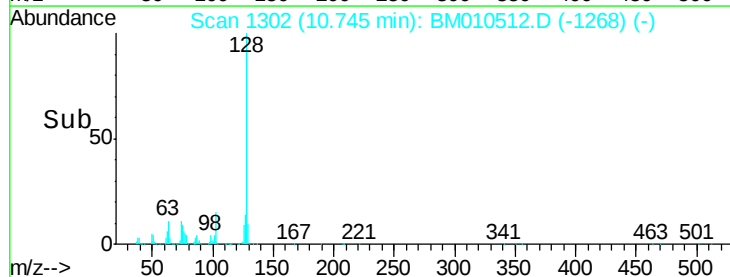
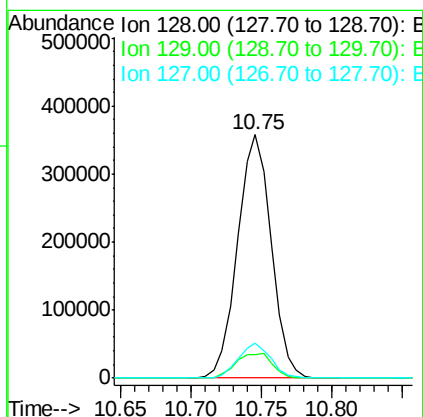
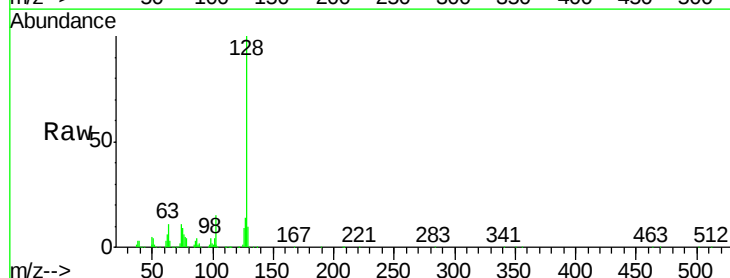
Instrument :
BNA_M
ClientSampleId :
F5C55

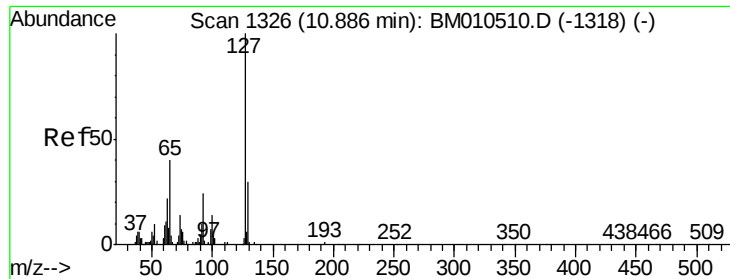
Tgt Ion:	70	Resp:	8567
Ion	Ratio	Lower	Upper
70	100		
42	157.0	41.1	61.7#
101	0.0	6.7	10.1#
130	0.0	14.6	22.0#



#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

Tgt Ion:	128	Resp:	595281
Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	14.2	10.6	16.0

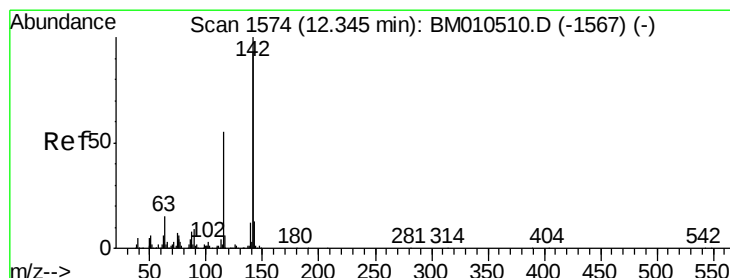
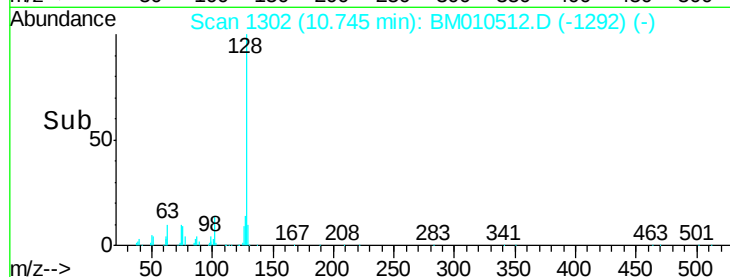
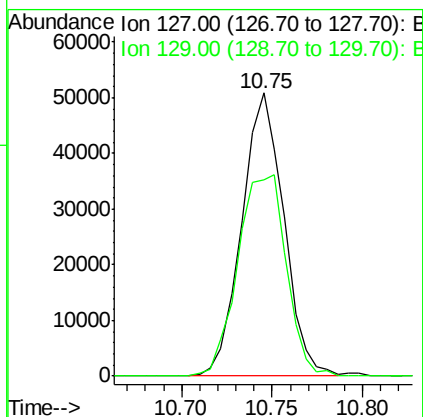
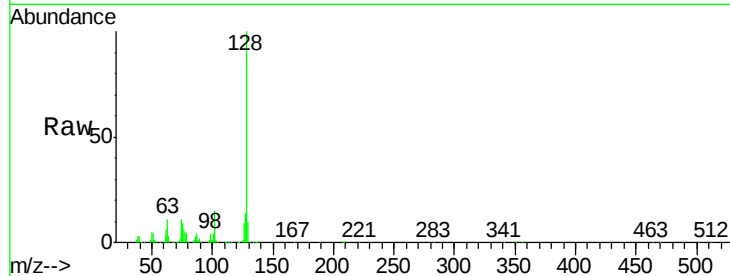




#30
4-Chloroaniline
Concen: 8.681 ng/ul
RT: 10.75 min Scan# 1302
Delta R.T. -0.14 min
Lab File: BM010512.D
Acq: 11 Jun 2017 07:10

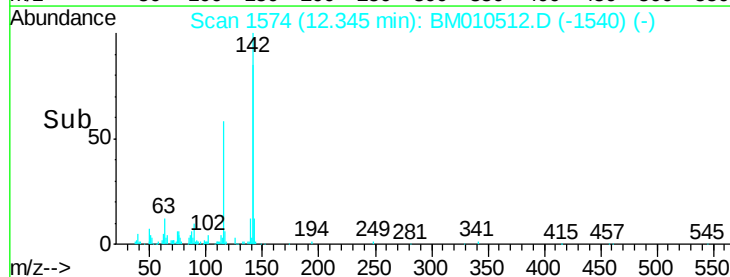
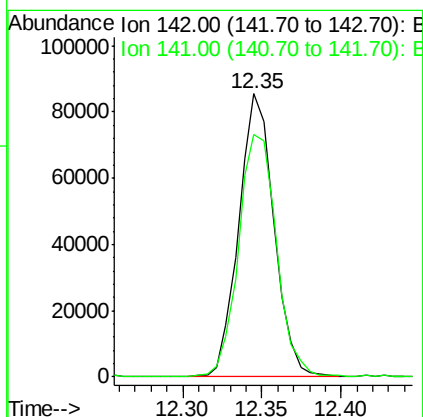
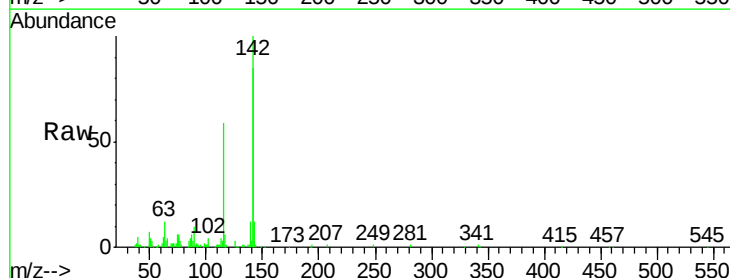
Instrument :
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ClientSampleId :
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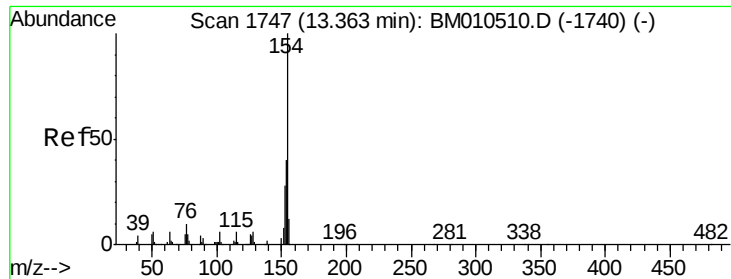
Tgt Ion:127 Resp: 81972
Ion Ratio Lower Upper
127 100
129 69.4 28.4 42.6#



#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:142 Resp: 131969
Ion Ratio Lower Upper
142 100
141 85.5 74.1 111.1

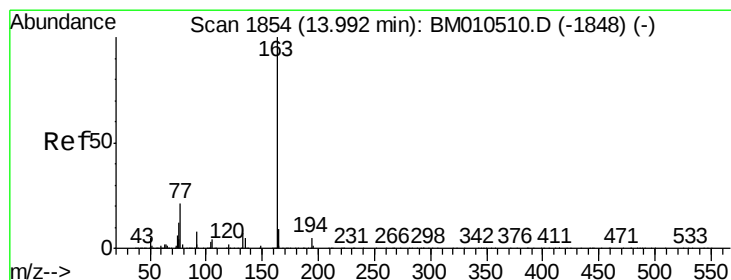
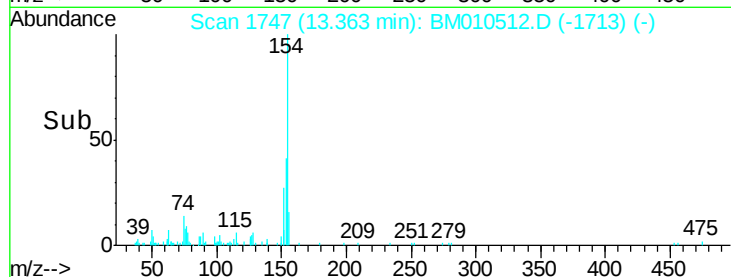
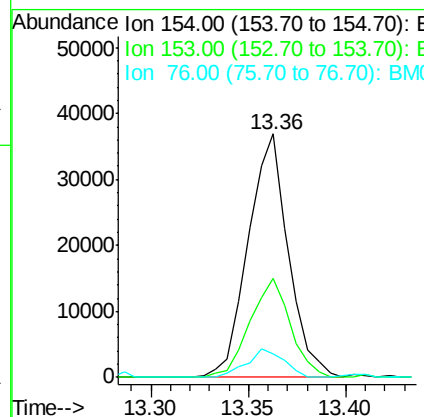
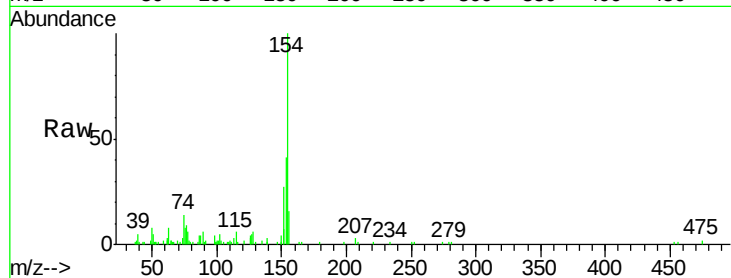




#40
 1,1'-Biphenyl
 Concen: 1.677 ng/ul
 RT: 13.36 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: BM010512.D
 Acq: 11 Jun 2017 07:10

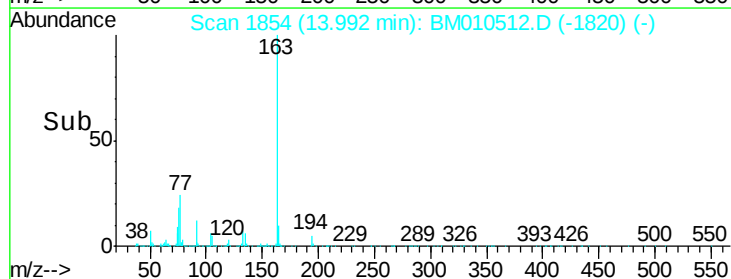
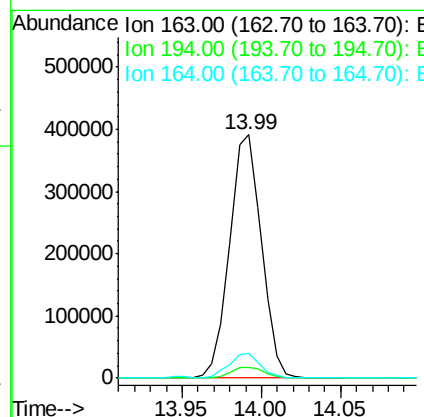
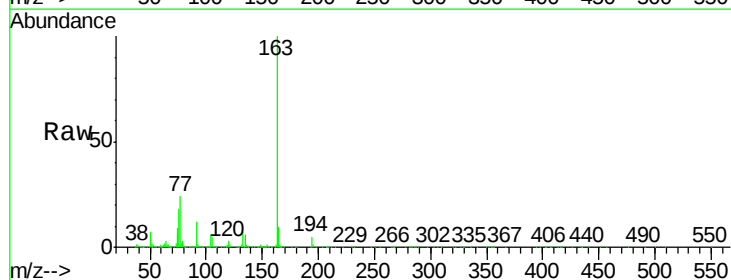
Instrument :
 BNA_M
 ClientSampleId :
 F5C55

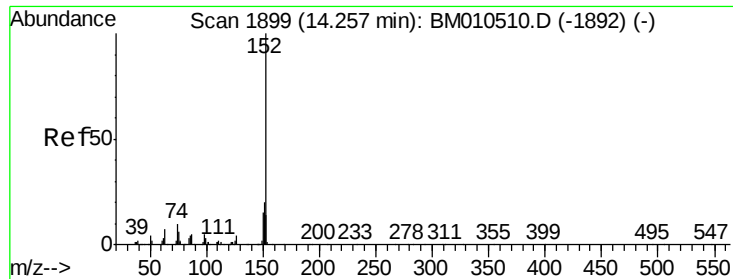
Tgt Ion:154 Resp: 52461
 Ion Ratio Lower Upper
 154 100
 153 40.8 32.6 48.8
 76 9.5 8.5 12.7



#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 :

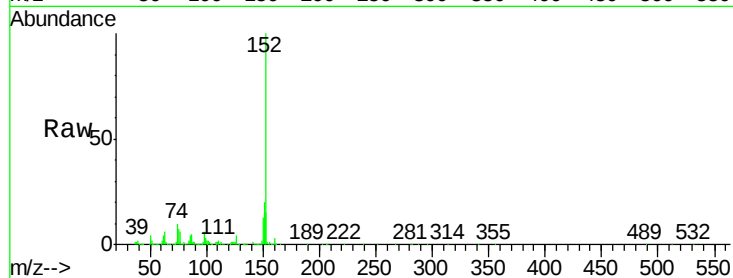
BNA_M

ClientSampleId :

F5C55

Tgt Ion:152 Resp: 393280

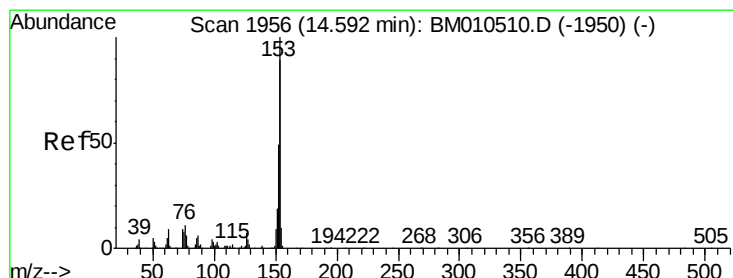
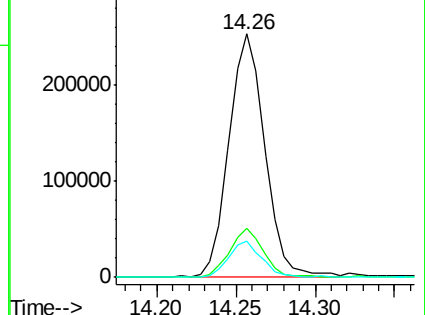
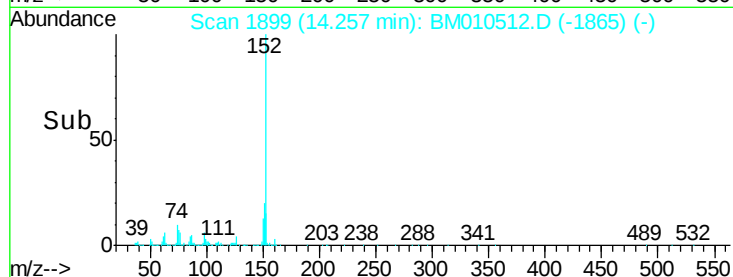
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	15.0	10.2	15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 4.286 ng/ul

RT: 14.59 min Scan# 1956

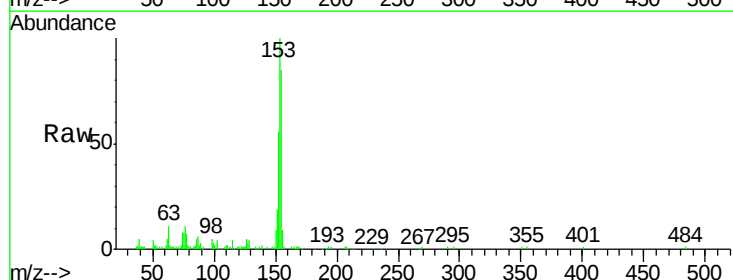
Delta R.T. 0.00 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Tgt Ion:153 Resp: 109797

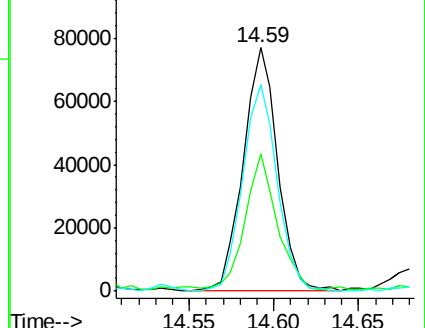
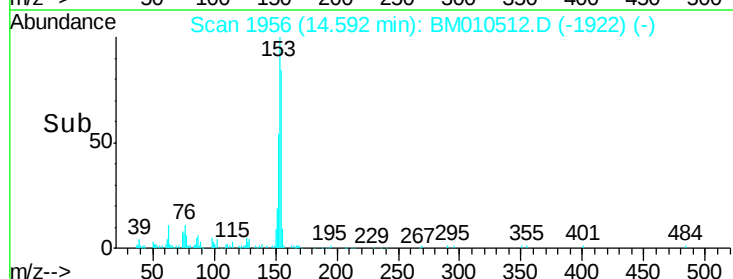
Ion	Ratio	Lower	Upper
153	100		
152	56.4	37.6	56.4
154	85.1	70.4	105.6

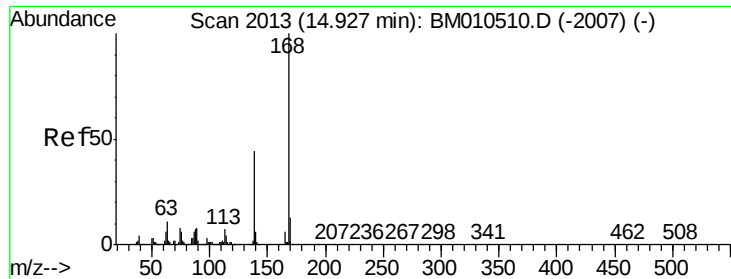


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#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 :

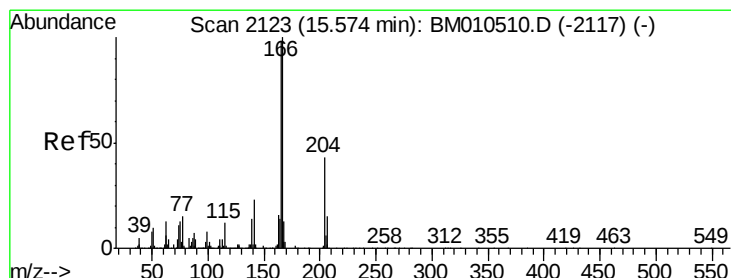
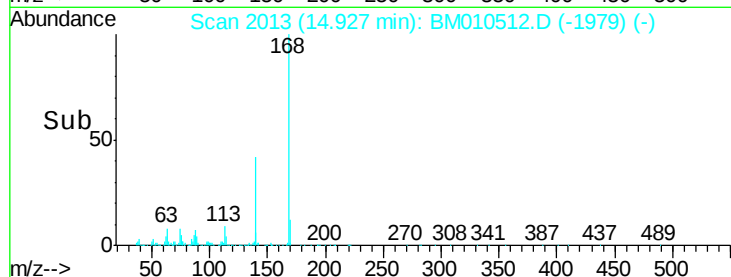
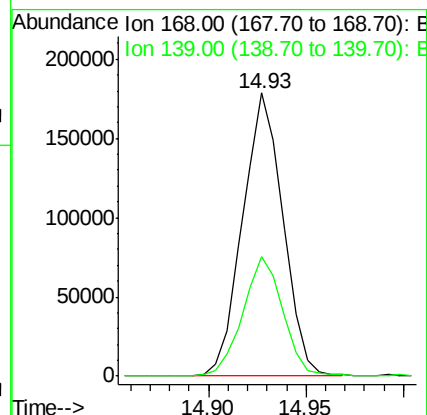
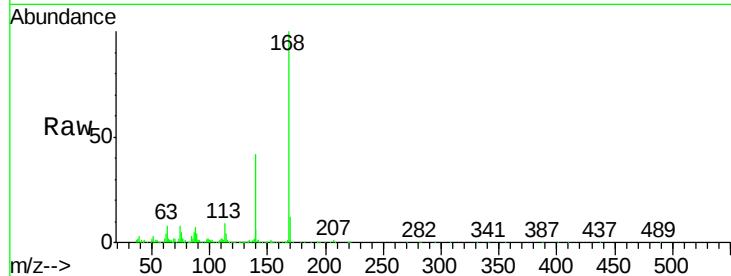
F5C55

Tgt Ion:168 Resp: 253775

Ion Ratio Lower Upper

168 100

139 42.1 30.8 46.2



#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

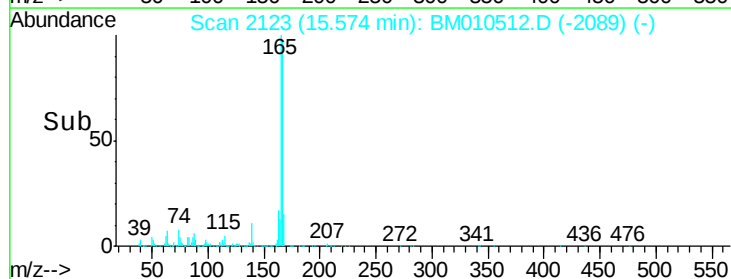
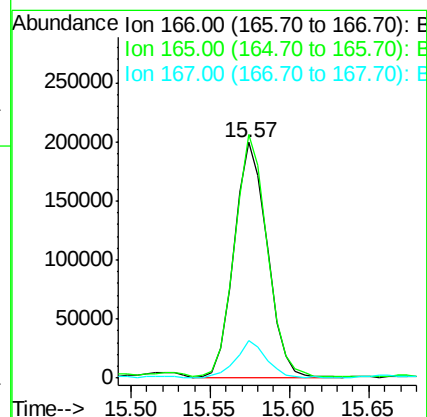
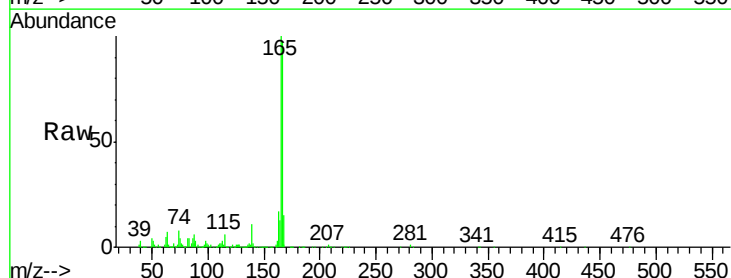
Tgt Ion:166 Resp: 286191

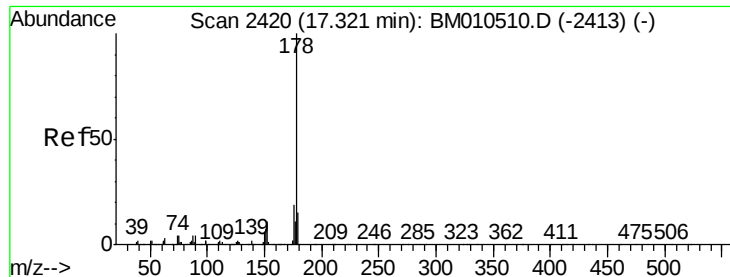
Ion Ratio Lower Upper

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 :

BNA_M

ClientSampleId :

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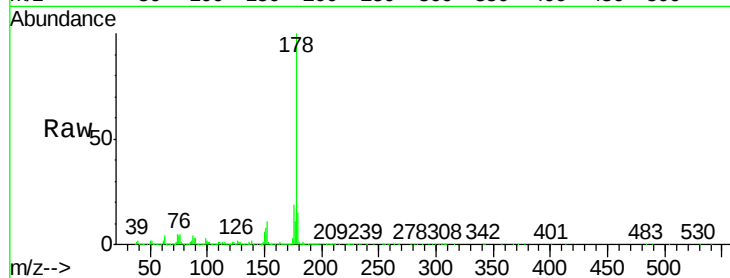
Tgt Ion:178 Resp: 1547581

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

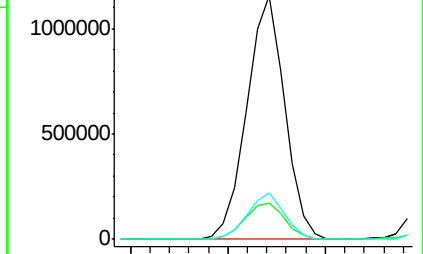
176 18.9 14.9 22.3



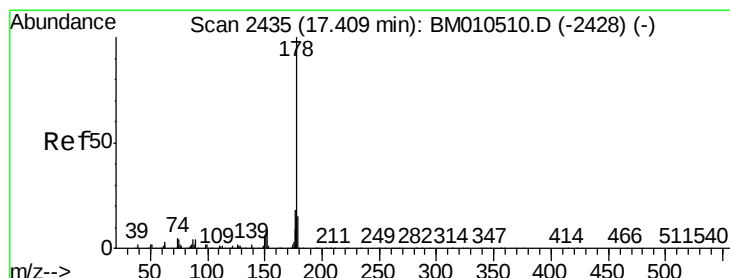
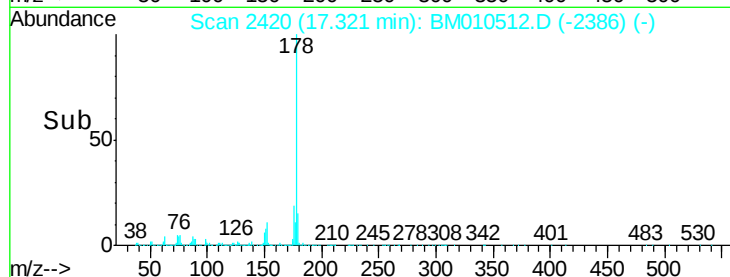
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#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

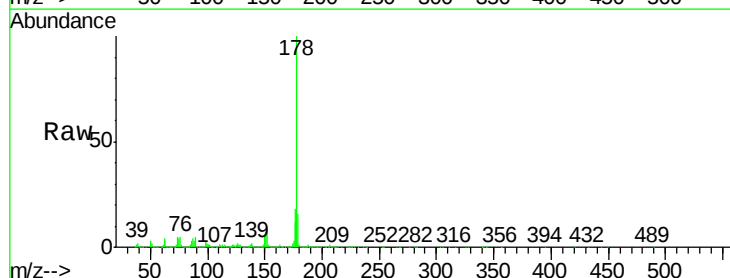
Tgt Ion:178 Resp: 864234

Ion Ratio Lower Upper

178 100

179 15.8 11.7 17.5

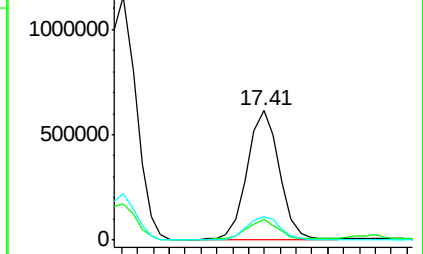
176 18.1 14.6 21.8



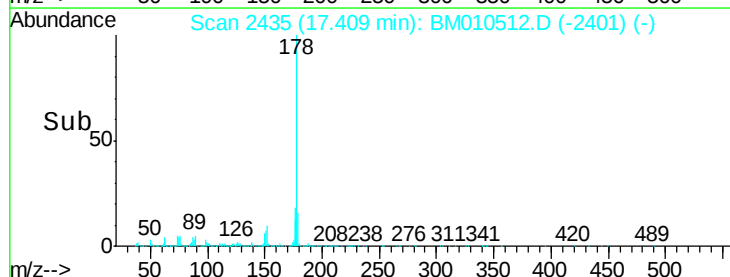
Abundance Ion 178.00 (177.70 to 178.70): E

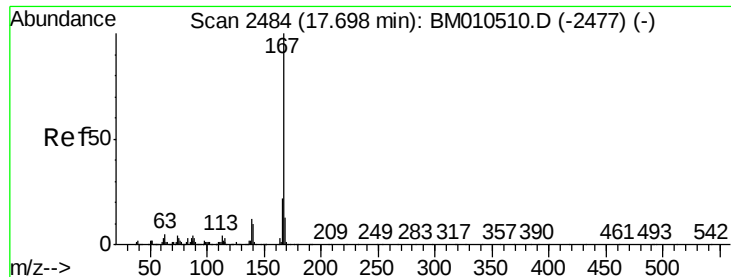
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#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

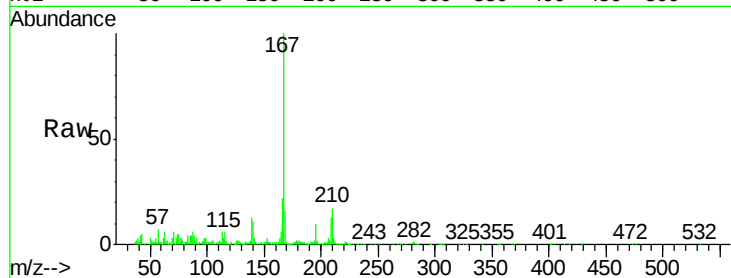
Tgt Ion:167 Resp: 236700

Ion Ratio Lower Upper

167 100

166 22.5 17.1 25.7

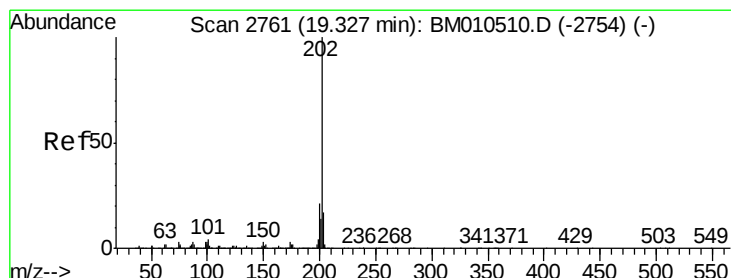
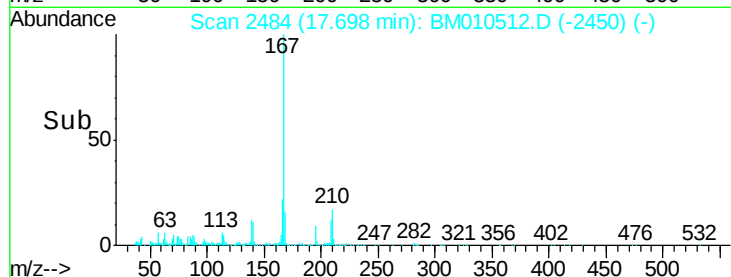
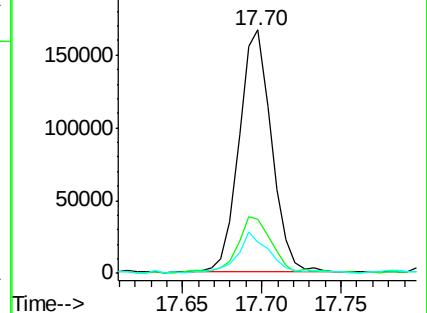
139 12.9 10.0 15.0



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: 2.724 ng/ul

RT: 19.48 min Scan# 2787

Delta R.T. 0.15 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

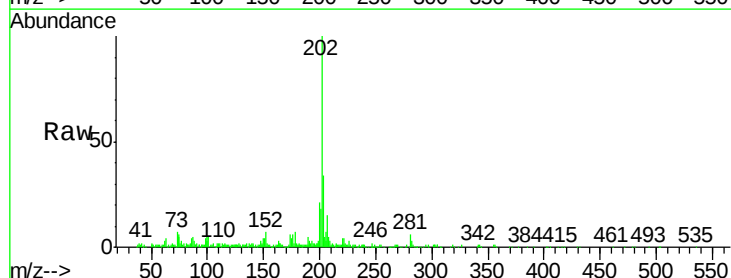
Tgt Ion:202 Resp: 167855

Ion Ratio Lower Upper

202 100

101 4.8 4.6 7.0

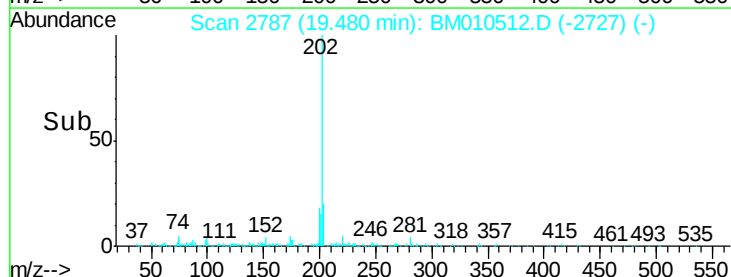
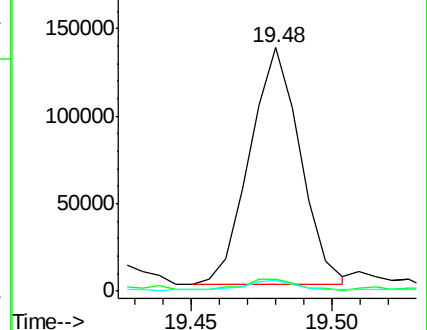
100 4.5 3.4 5.2

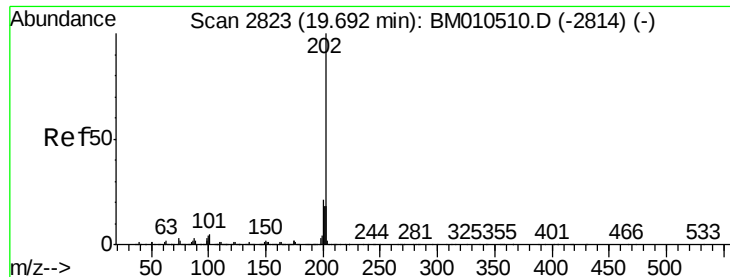


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 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

ClientSampled :

F5C55

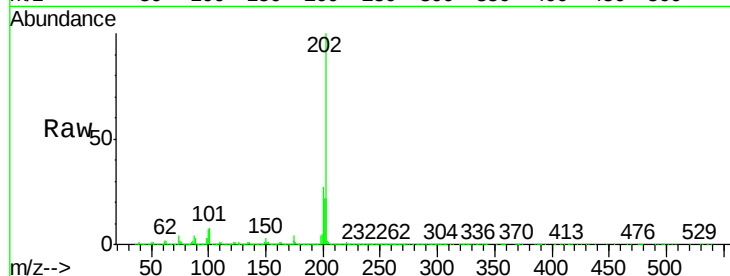
Tgt Ion:202 Resp:12254643

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

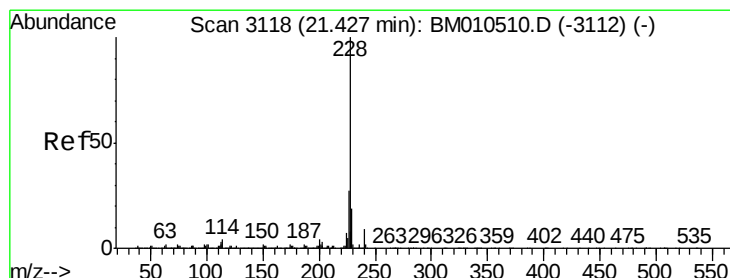
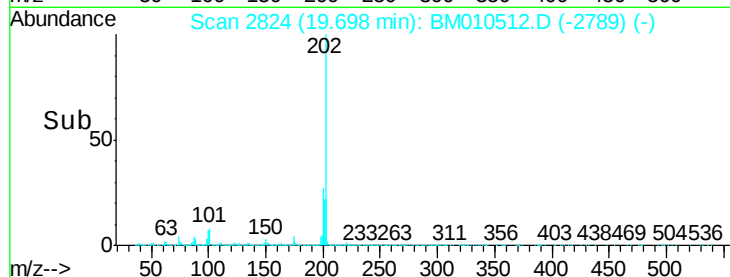
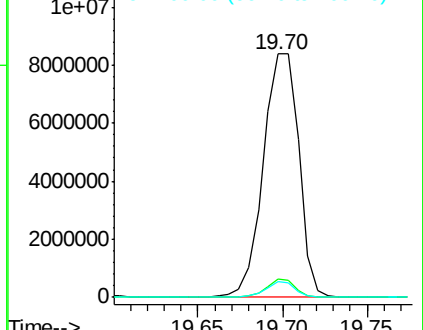
100 6.6 4.9 7.3



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

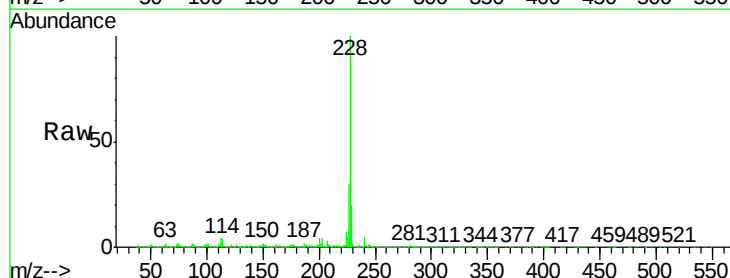
Tgt Ion:228 Resp: 6029906

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

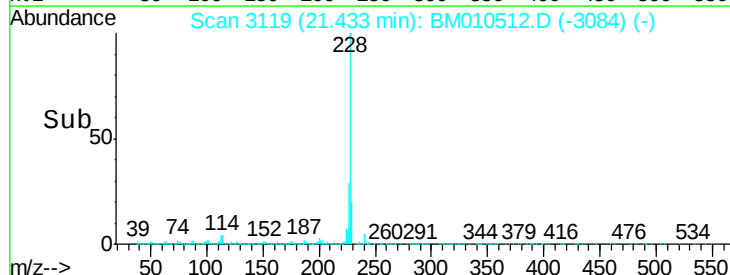
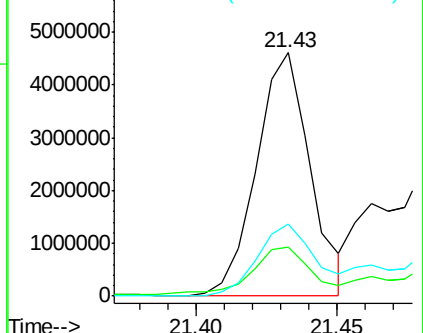
226 29.6 21.4 32.0

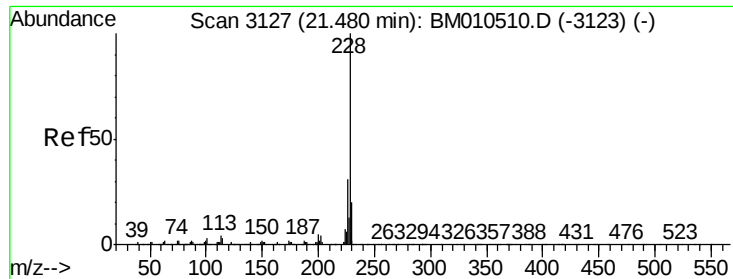


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 43.023 ng/ul

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

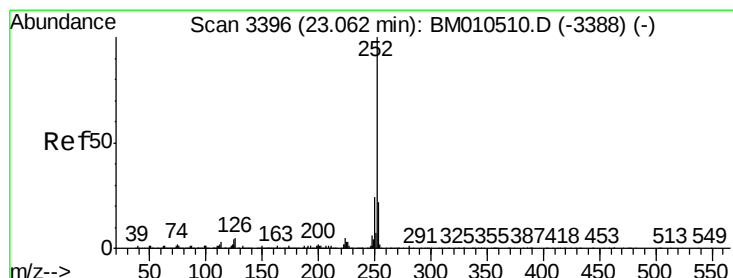
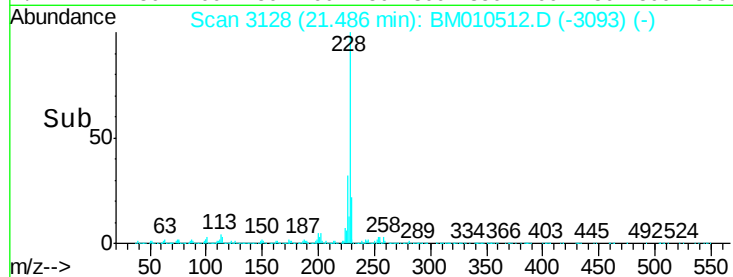
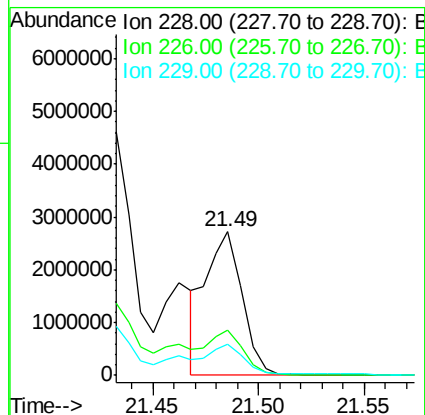
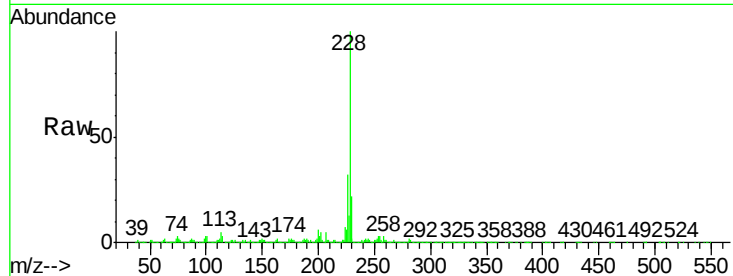
Tgt Ion:228 Resp: 3181608

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.2

229 22.0 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 116.655 ng/ul

RT: 23.08 min Scan# 3399

Delta R.T. 0.02 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

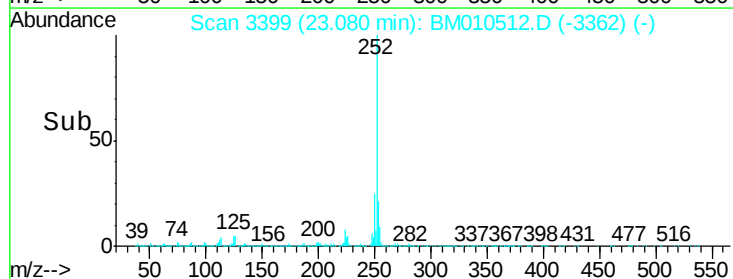
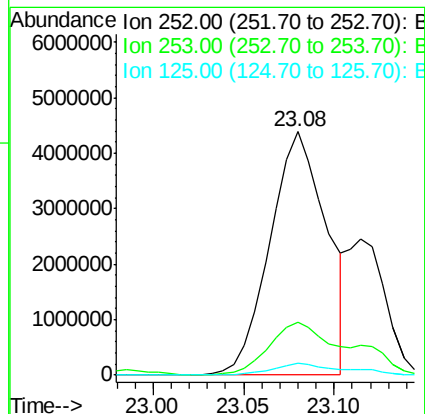
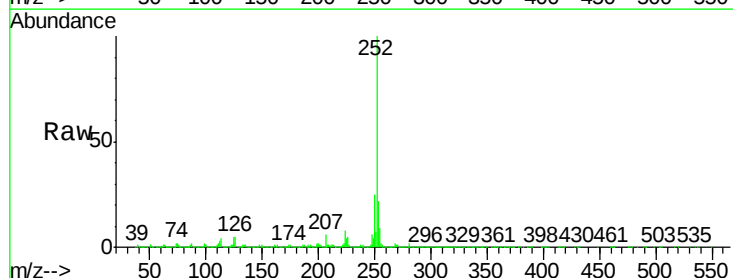
Tgt Ion:252 Resp: 9518335

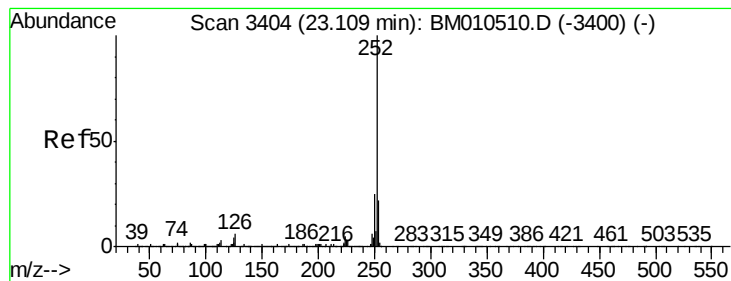
Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

125 4.7 3.6 5.4





#86

Benzo(k)fluoranthene

Concen: 122.112 ng/u1

RT: 23.08 min Scan# 3399

Delta R.T. -0.03 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

Instrument :

BNA_M

ClientSampled :

F5C55

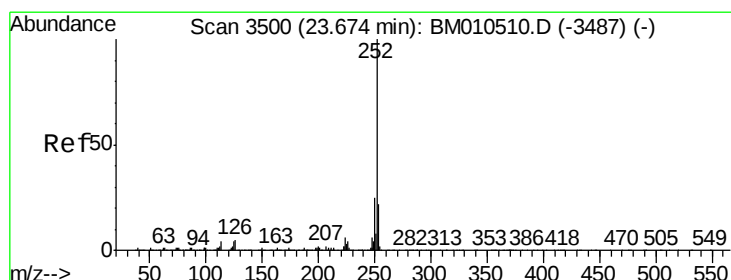
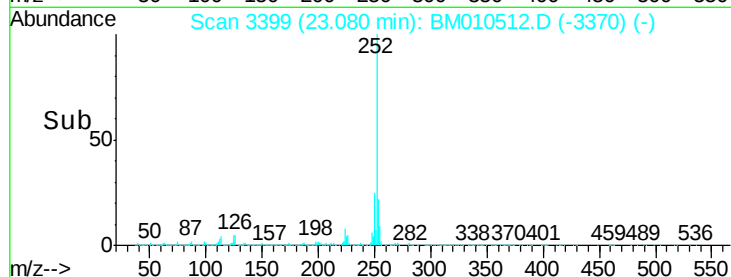
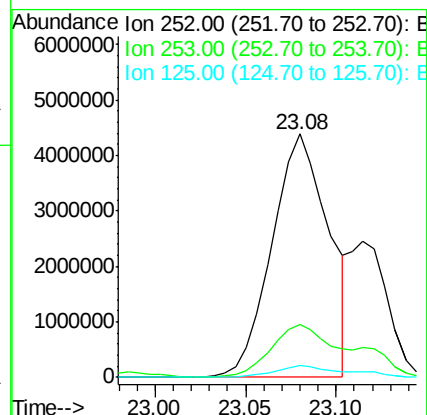
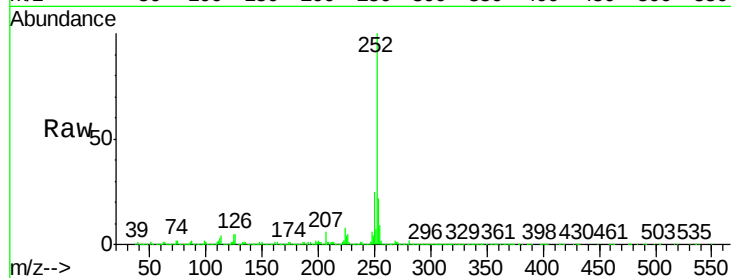
Tgt Ion:252 Resp: 9518335

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 4.7 3.4 5.2



#88

Benzo(a)pyrene

Concen: 53.894 ng/u1

RT: 23.69 min Scan# 3502

Delta R.T. 0.01 min

Lab File: BM010512.D

Acq: 11 Jun 2017 07:10

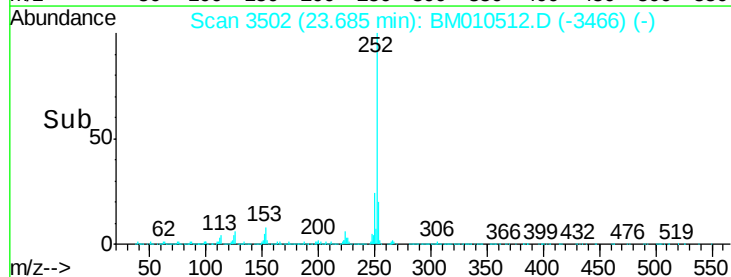
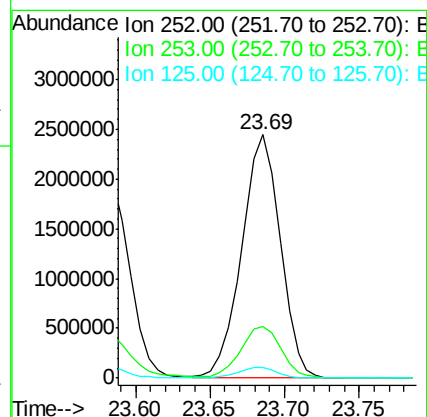
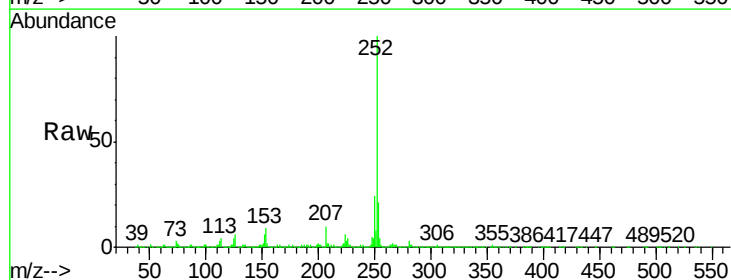
Tgt Ion:252 Resp: 4358866

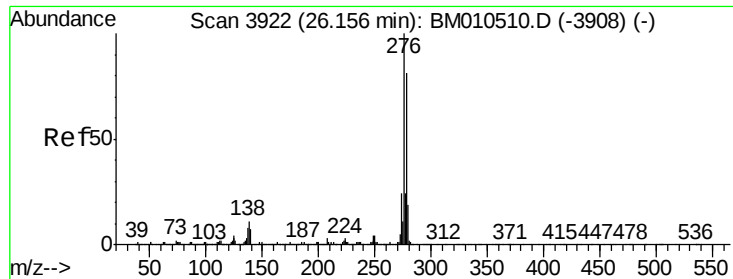
Ion Ratio Lower Upper

252 100

253 21.4 18.2 27.2

125 4.1 4.0 6.0



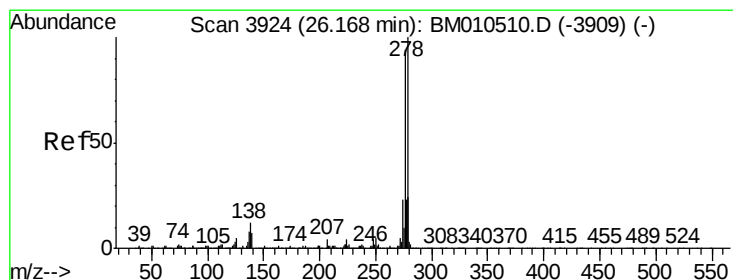
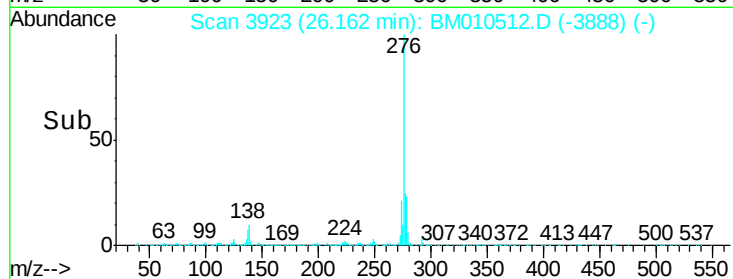
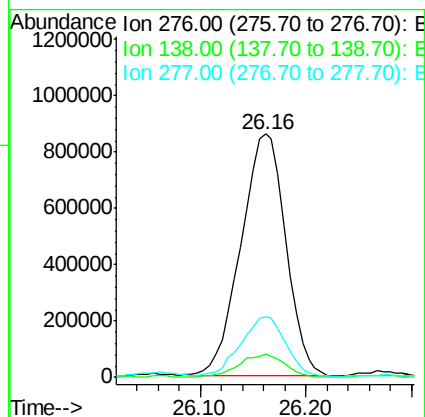
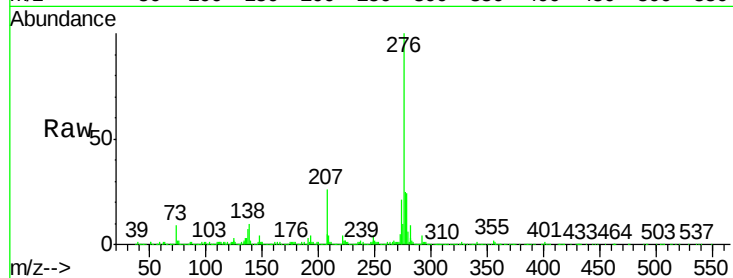


#89

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
ClientSampleId :
F5C55

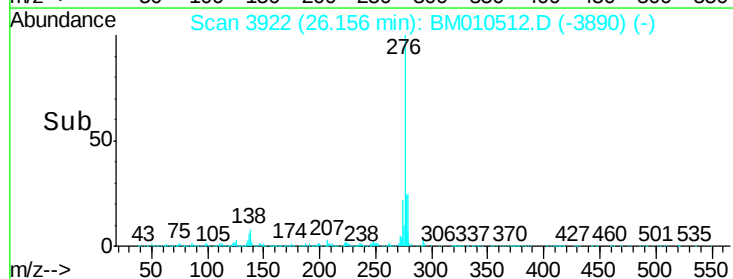
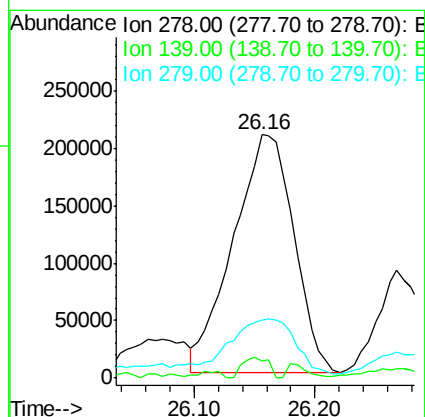
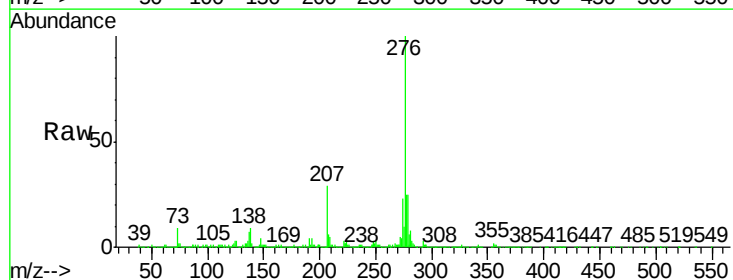
Tgt Ion:276 Resp: 2541409
Ion Ratio Lower Upper
276 100
138 9.6 9.3 13.9
277 24.8 19.9 29.9

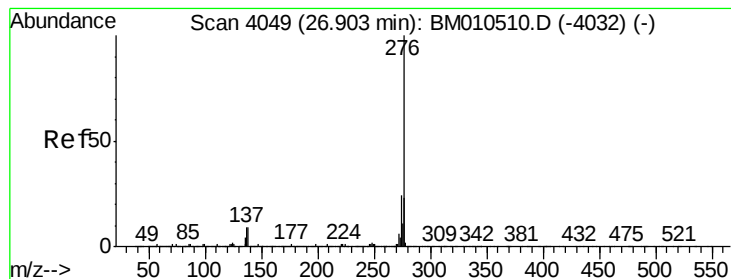


#90

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:278 Resp: 721470
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

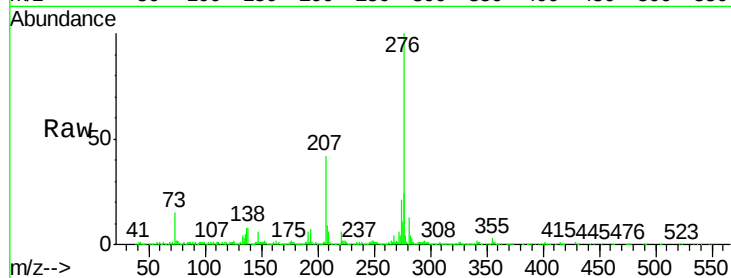
Tgt Ion:276 Resp: 1670484

Ion Ratio Lower Upper

276 100

138 8.4 8.5 12.7#

277 24.1 18.6 28.0



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

