

Data File : BM010645.D
Acq On : 22 Jun 2017 04:26
Operator : SJ/JU
Sample : I3558-15ME 10X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C88ME

Quant Time: Jun 22 06:39:35 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 22 01:38:18 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	75252	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	338497	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	236388	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	581214	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	711462	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	609944	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.65	99	10519	1.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	7075	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	8947	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	9861	1.66	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	5209	2.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	3502	1.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	10895	1.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	19633	3.18	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	44055	2.12	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	46345	1.92	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	5006	1.37	ng/ul	0.00
57) Fluorene-d10	15.12	176	37638	2.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	5280	1.48	ng/ul	0.00
70) Anthracene-d10	16.87	188	581214	20.71	ng/ul	-0.09
76) Pyrene-d10	19.27	212	71082	2.15	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	61648	2.09	ng/ul	0.00

Target Compounds

						Qvalue
17) Hexachloroethane	8.56	117	2438	1.09	ng/ul#	1
28) Naphthalene	10.29	128	6540682	388.28	ng/ul	100
30) 4-Chloroaniline	10.29	127	873860	140.78	ng/ul#	22
34) 2-Methylnaphthalene	11.90	142	1203974	88.91	ng/ul	95
40) 1,1'-Biphenyl	12.94	154	308603	16.70	ng/ul	98
47) Acenaphthylene	13.83	152	63784	2.77	ng/ul#	93
49) Acenaphthene	14.18	153	958977	61.84	ng/ul	98
53) Dibenzofuran	14.52	168	1141223	48.59	ng/ul	93
58) Fluorene	15.17	166	1165929	59.29	ng/ul	98
60) 4-Nitroaniline	15.17	138	15744	3.75	ng/ul#	1
69) Phenanthrene	16.92	178	5617503	181.80	ng/ul	99
71) Anthracene	17.00	178	732755	23.02	ng/ul	98
72) Carbazole	17.27	167	335013	12.06	ng/ul	97
74) Fluoranthene	18.94	202	3528876	88.62	ng/ul#	95
77) Pyrene	19.31	202	2296870	55.89	ng/ul#	96
80) Benzo(a)anthracene	21.07	228	745684	18.00	ng/ul	97
82) Chrysene	21.12	228	508657	13.77	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	388472	9.81	ng/ul	98
86) Benzo(k)fluoranthene	22.63	252	142681	3.80	ng/ul	95
88) Benzo(a)pyrene	23.13	252	228765	6.28	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.32	276	65558	1.73	ng/ul#	93
91) Benzo(g,h,i)perylene	25.97	276	44356	1.47	ng/ul	98

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062117\
Quantitation Report (Not Reviewed)

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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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Acq On : 22 Jun 2017 04:26

Operator : SJ/JU

Sample : I3558-15ME 10X

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Instrument :

BNA_M

ClientSampleId :

F5C88ME

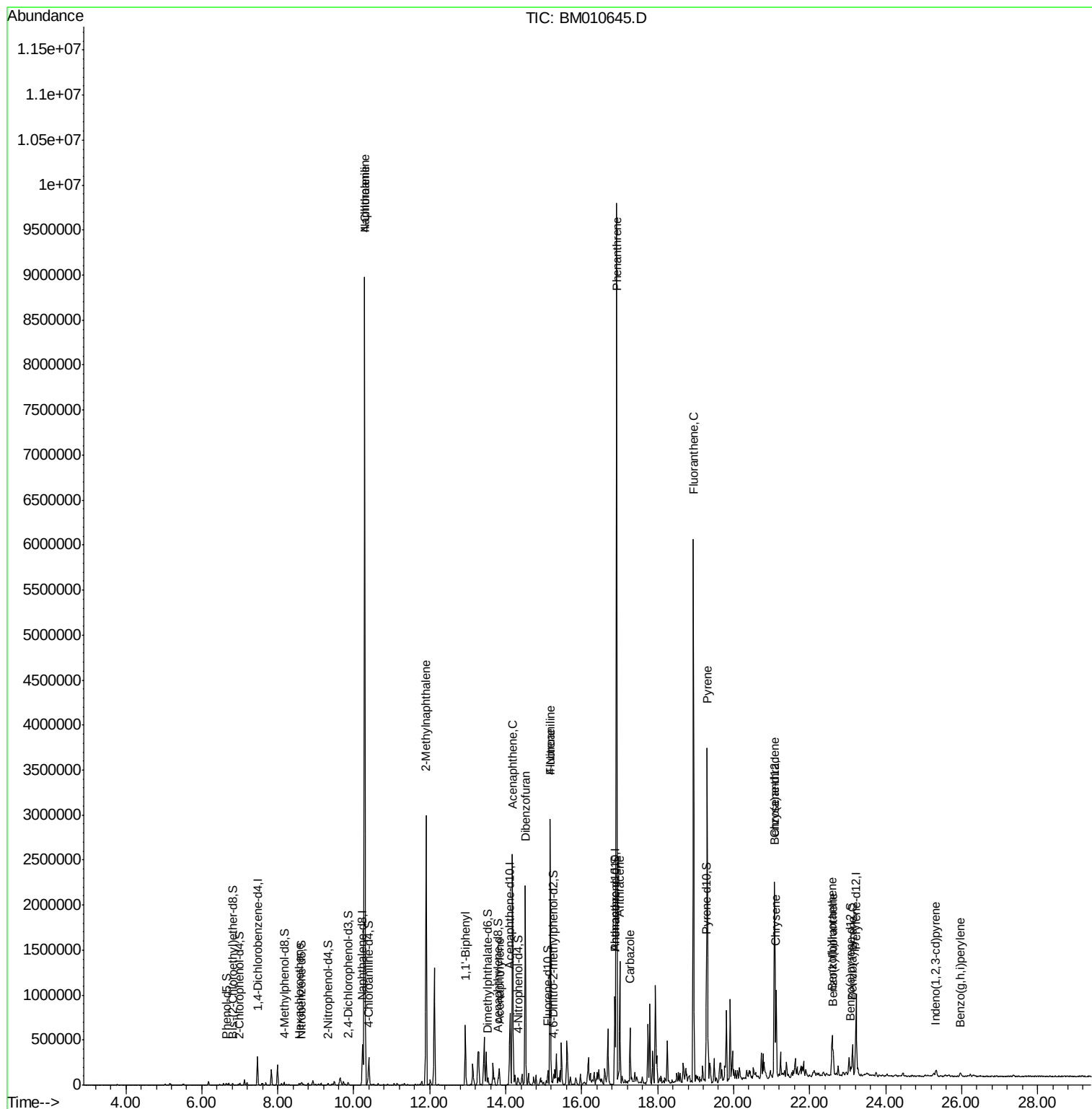
Quant Time: Jun 22 06:39:35 2017

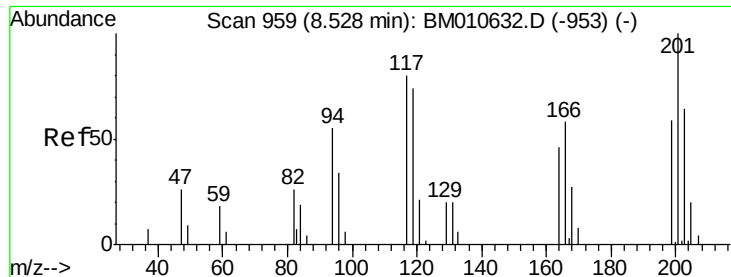
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Thu Jun 22 01:38:18 2017

Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.09 ng/ul

RT: 8.56 min Scan# 964

Delta R.T. 0.03 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

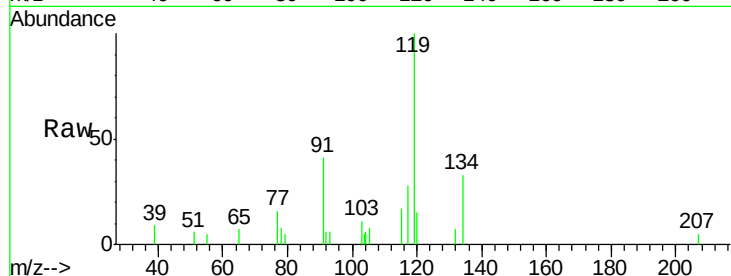
Tgt Ion:117 Resp: 2438

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

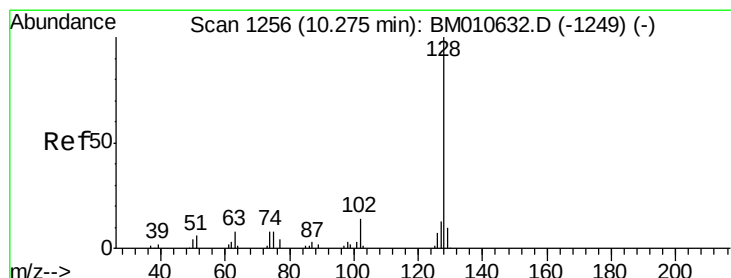
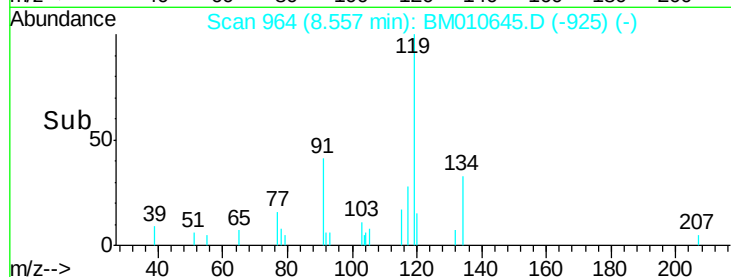
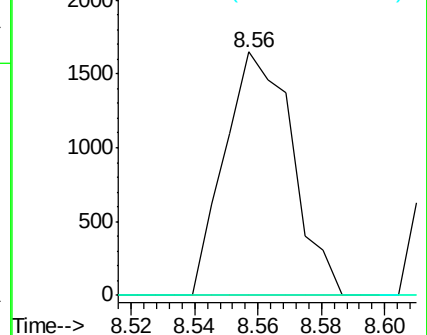
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 388.28 ng/ul

RT: 10.29 min Scan# 1259

Delta R.T. 0.02 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

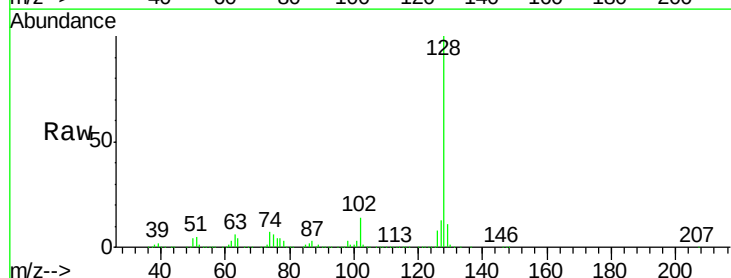
Tgt Ion:128 Resp: 6540682

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

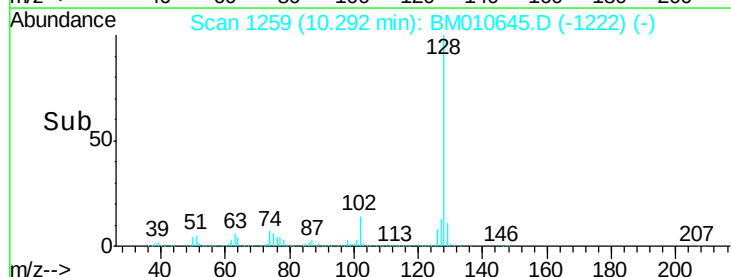
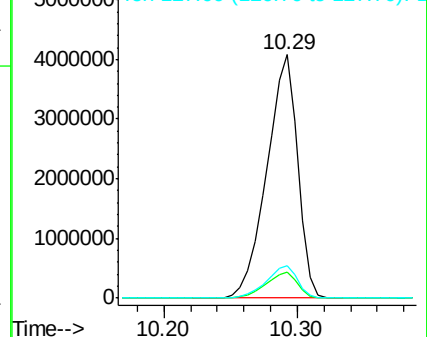
127 13.3 10.6 16.0

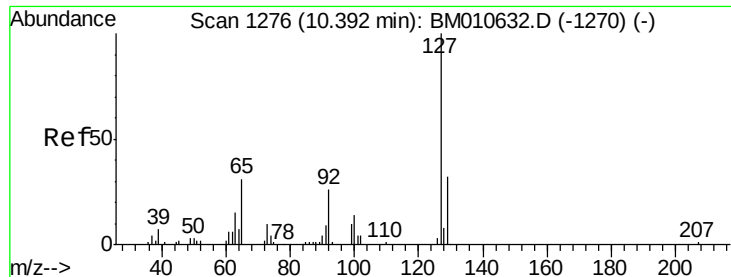


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#30

4-Chloroaniline

Concen: 140.78 ng/ul

RT: 10.29 min Scan# 1259

Delta R.T. -0.10 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

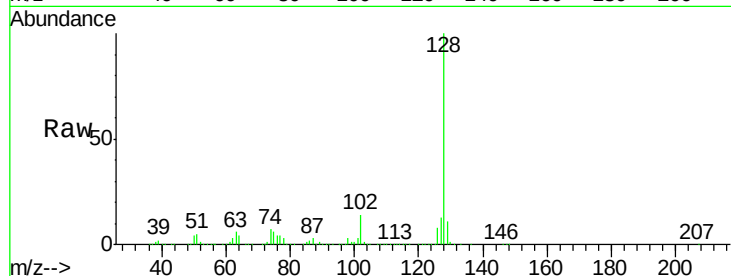
F5C88ME

Tgt Ion:127 Resp: 873860

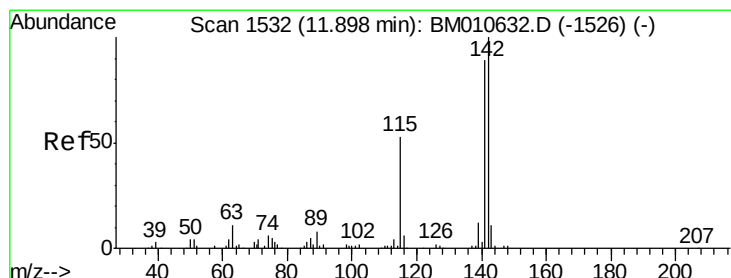
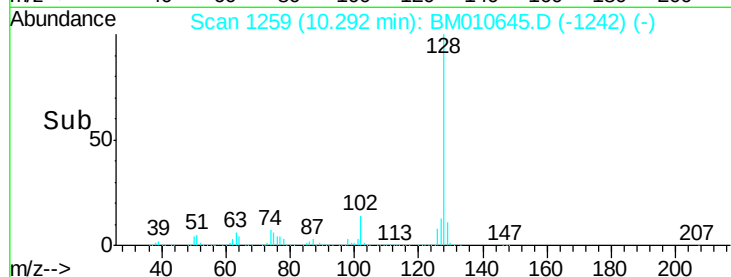
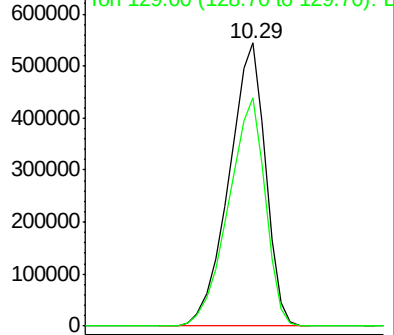
Ion Ratio Lower Upper

127 100

129 80.8 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 88.91 ng/ul

RT: 11.90 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BM010645.D

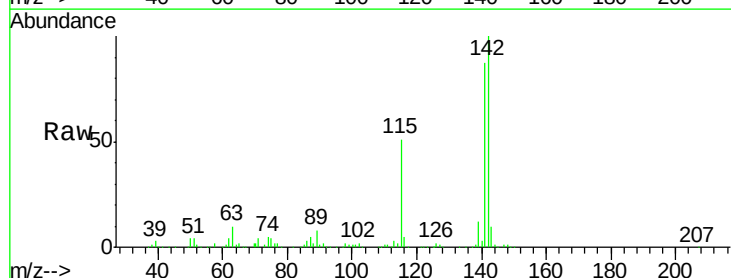
Acq: 22 Jun 2017 04:26

Tgt Ion:142 Resp: 1203974

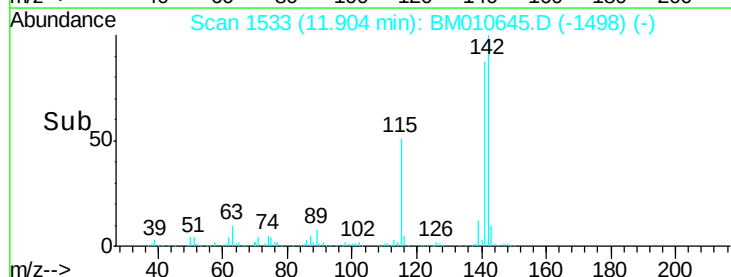
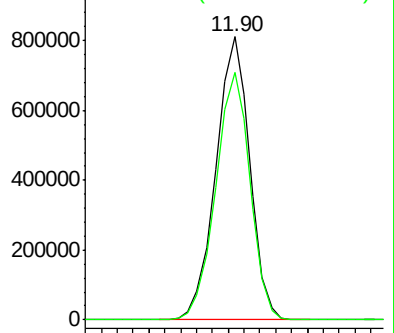
Ion Ratio Lower Upper

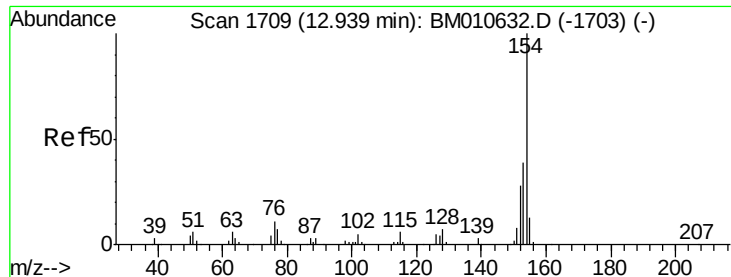
142 100

141 87.5 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

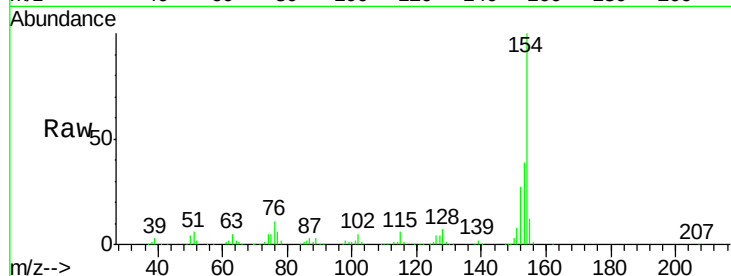




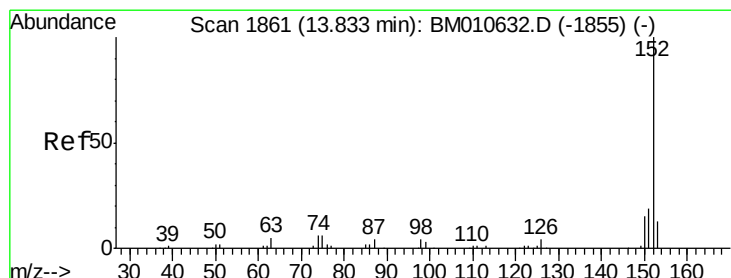
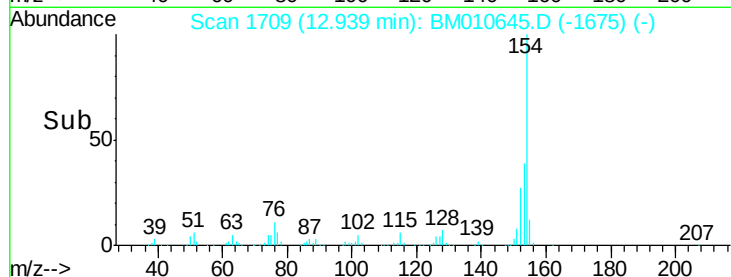
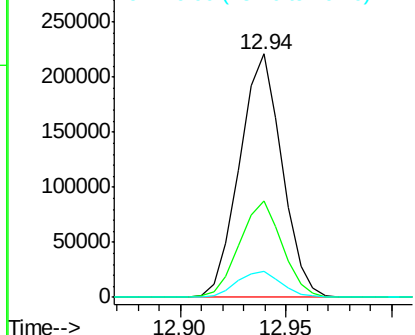
#40
1,1'-Biphenyl
Concen: 16.70 ng/ul
RT: 12.94 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

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F5C88ME

Tgt Ion:	154	Resp:	308603
Ion	Ratio	Lower	Upper
154	100		
153	39.5	32.6	48.8
76	10.9	8.5	12.7

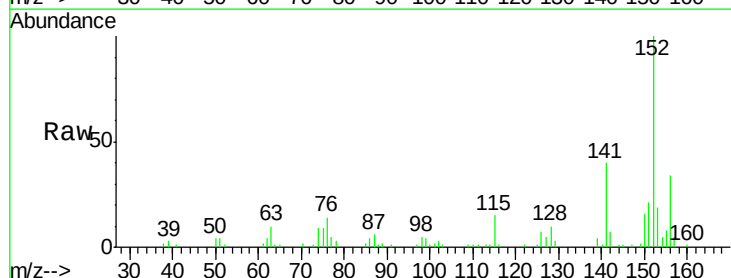


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM0

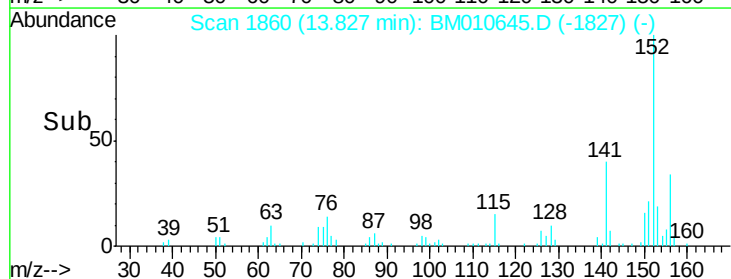
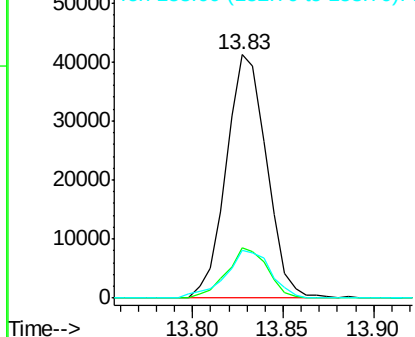


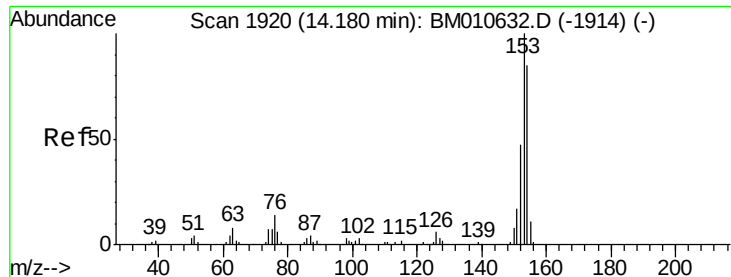
#47
Acenaphthylene
Concen: 2.77 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010645.D
Acq: 22 Jun 2017 04:26

Tgt Ion:	152	Resp:	63784
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	19.4	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: 61.84 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

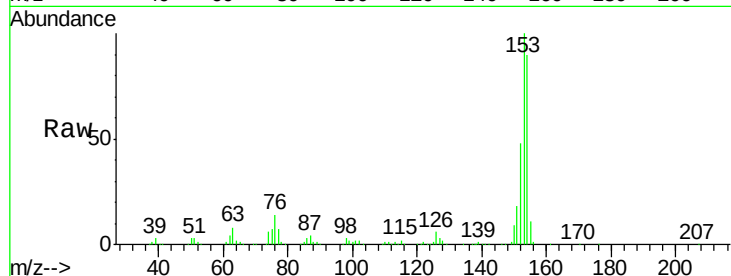
Tgt Ion:153 Resp: 958977

Ion Ratio Lower Upper

153 100

152 48.4 37.6 56.4

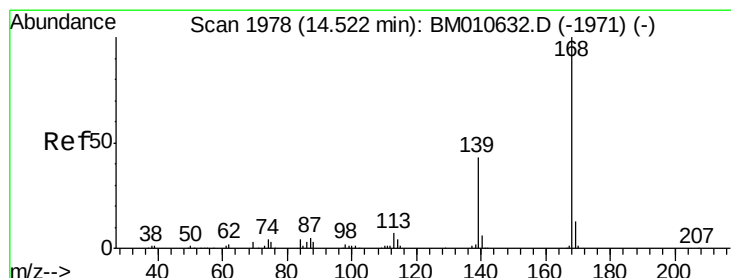
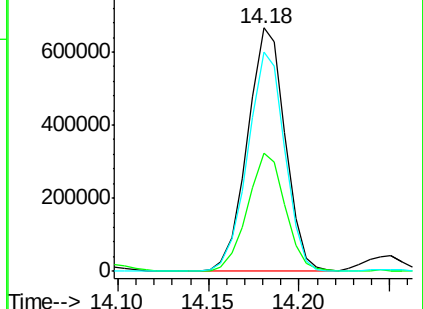
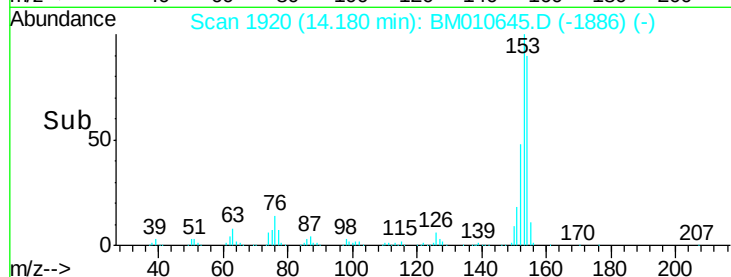
154 90.2 70.4 105.6



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

Dibenzofuran

Concen: 48.59 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM010645.D

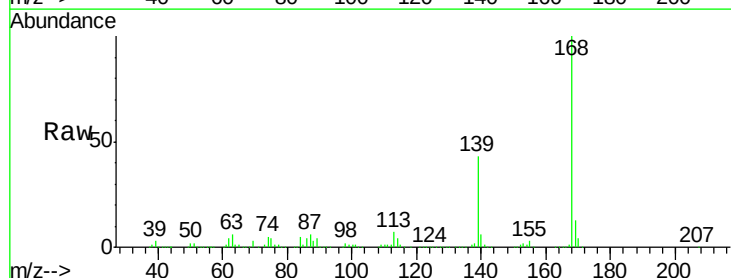
Acq: 22 Jun 2017 04:26

Tgt Ion:168 Resp: 1141223

Ion Ratio Lower Upper

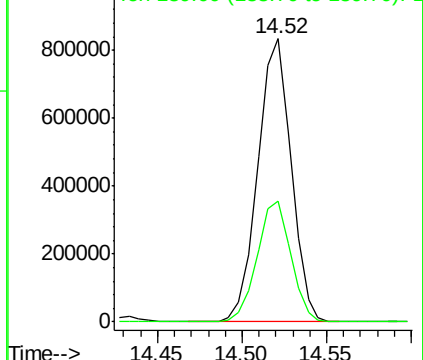
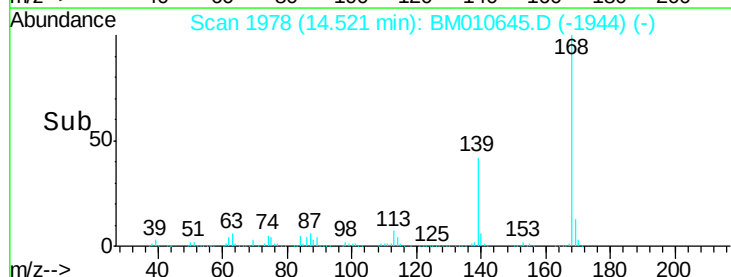
168 100

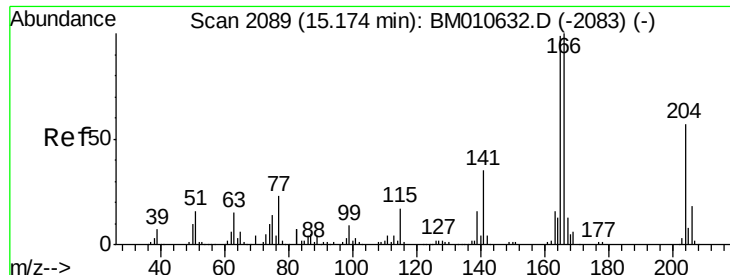
139 42.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

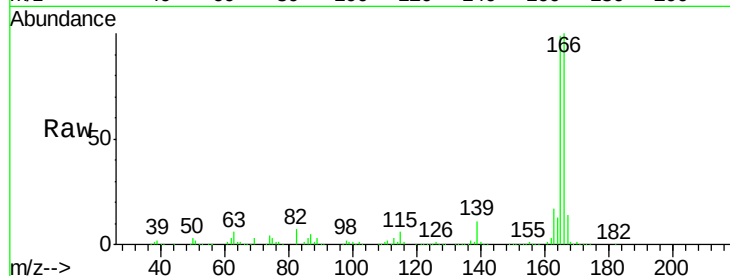




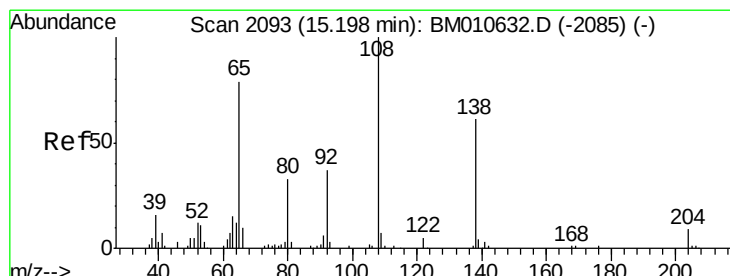
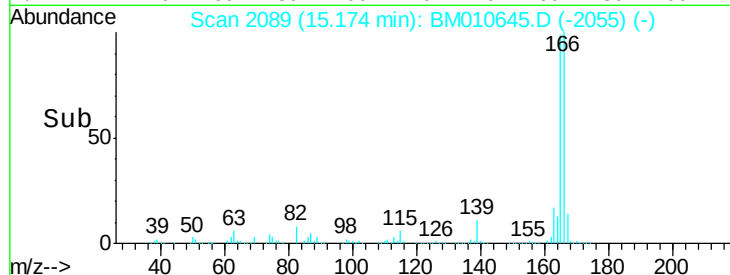
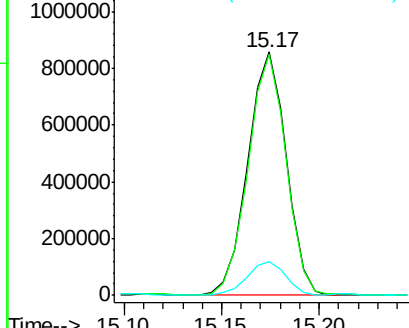
#58
 Fluorene
 Concen: 59.29 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

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Tgt Ion:166 Resp: 1165929
 Ion Ratio Lower Upper
 166 100
 165 99.0 77.9 116.9
 167 13.8 10.6 16.0

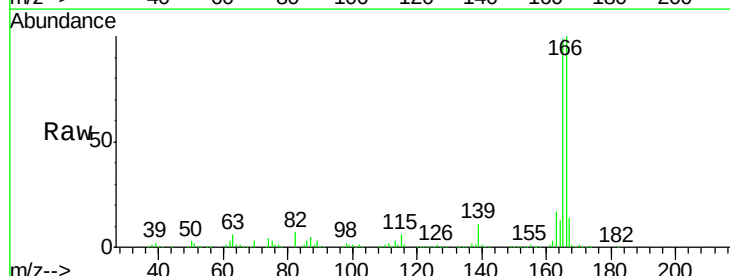


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

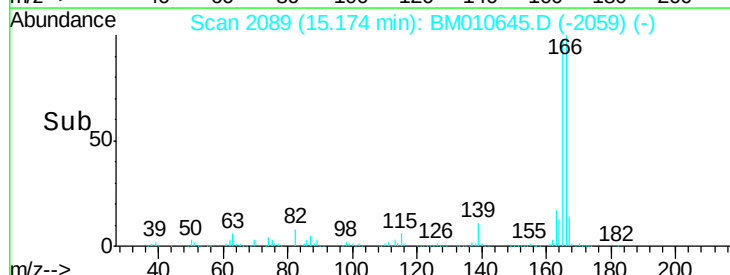
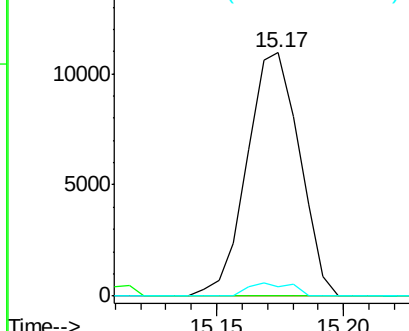


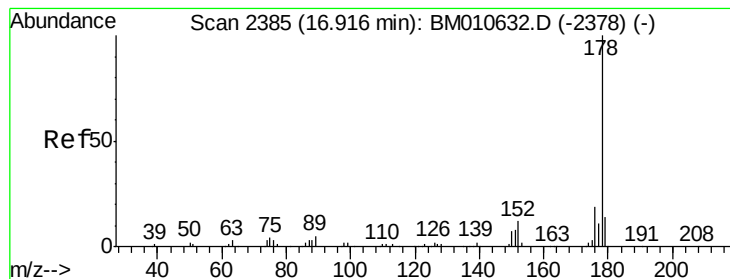
#60
 4-Nitroaniline
 Concen: 3.75 ng/ul
 RT: 15.17 min Scan# 2089
 Delta R.T. -0.02 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Tgt Ion:138 Resp: 15744
 Ion Ratio Lower Upper
 138 100
 92 0.0 52.7 79.1#
 108 4.1 140.4 210.6#



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BM0
 Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 181.80 ng/ul

RT: 16.92 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

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BNA_M

ClientSampleId :

F5C88ME

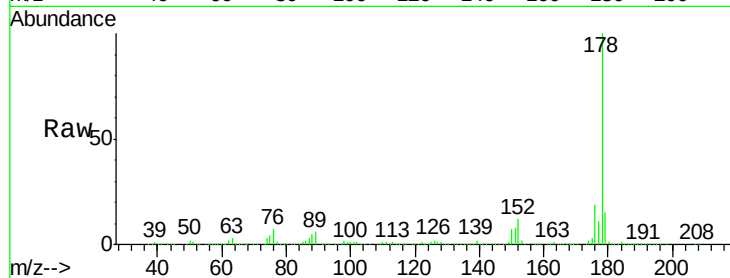
Tgt Ion:178 Resp: 5617503

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

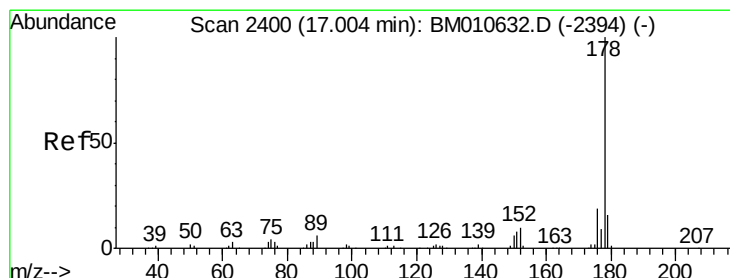
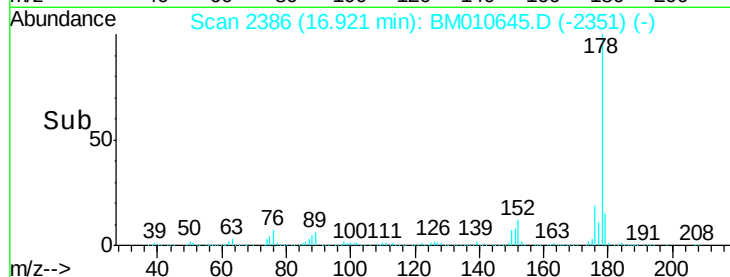
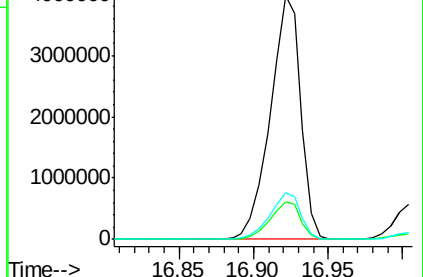
176 19.3 14.9 22.3



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



#71

Anthracene

Concen: 23.02 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

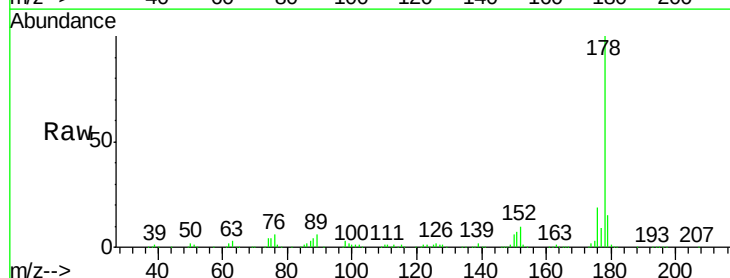
Tgt Ion:178 Resp: 732755

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

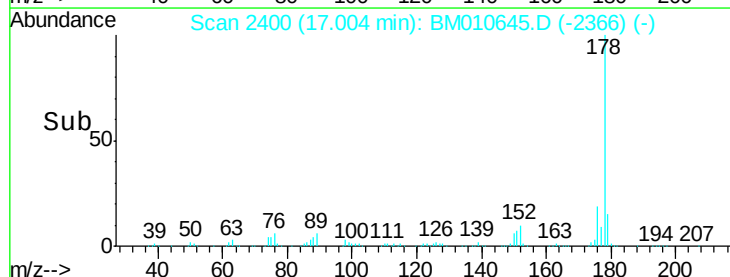
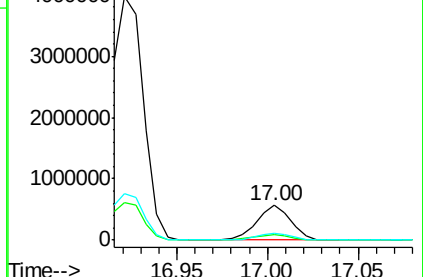
176 18.7 14.6 21.8

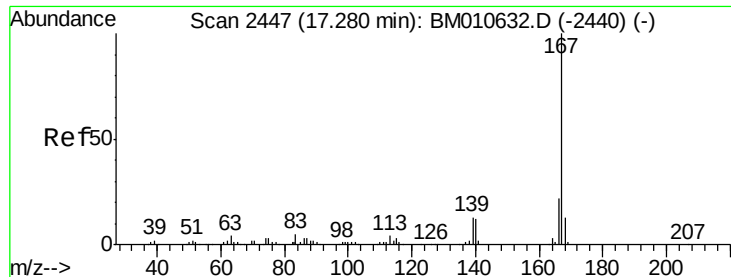


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

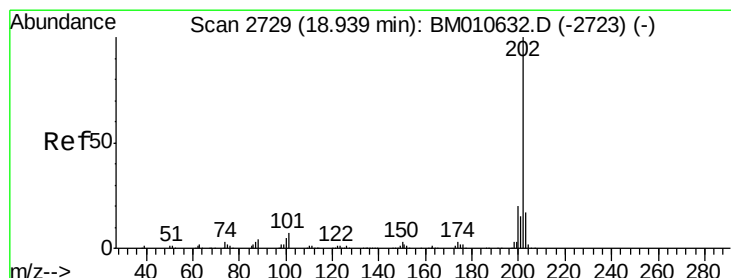
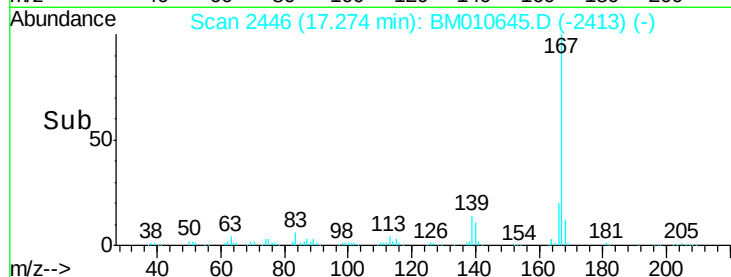
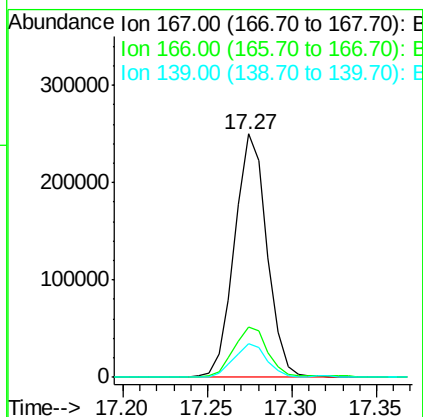
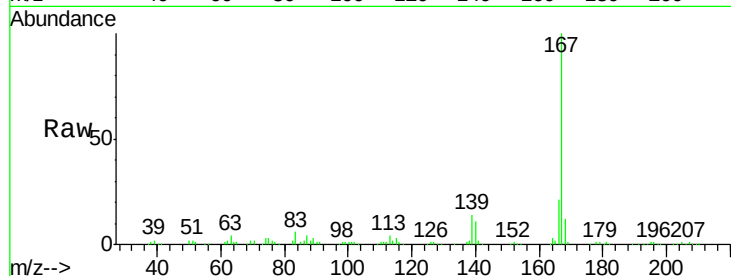




#72
 Carbazole
 Concen: 12.06 ng/ul
 RT: 17.27 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

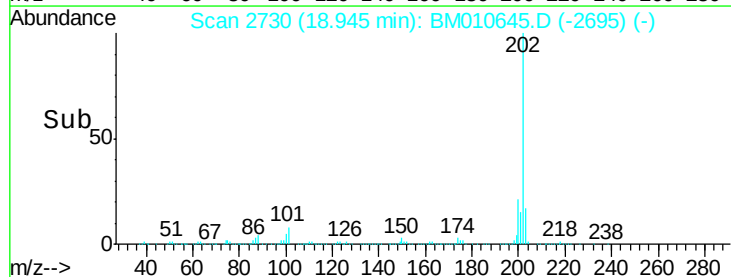
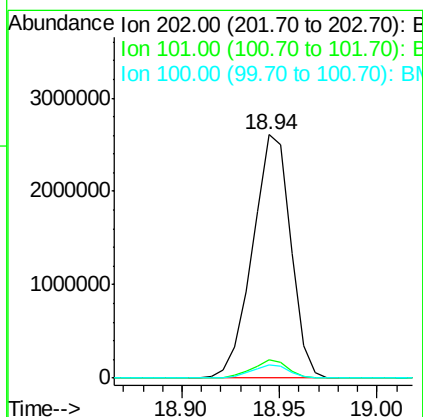
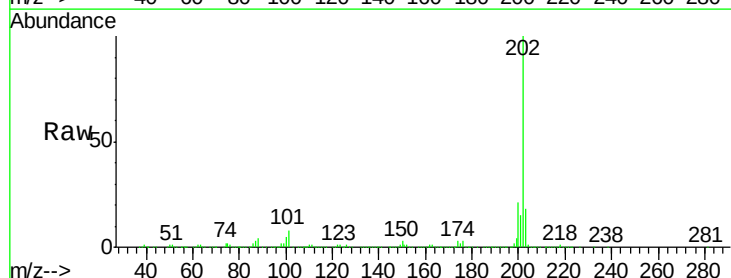
Instrument :
 BNA_M
 ClientSampleId :
 F5C88ME

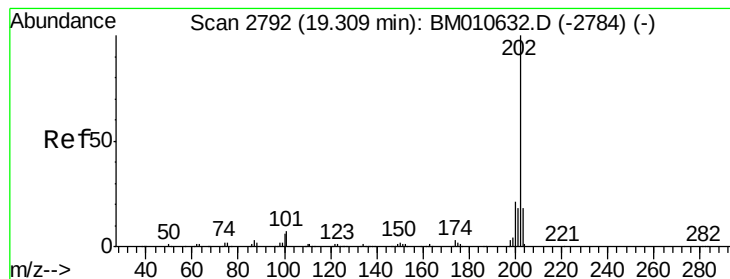
Tgt Ion:167 Resp: 335013
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.1 25.7
 139 14.1 10.0 15.0



#74
 Fluoranthene
 Concen: 88.62 ng/ul
 RT: 18.94 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM010645.D
 Acq: 22 Jun 2017 04:26

Tgt Ion:202 Resp: 3528876
 Ion Ratio Lower Upper
 202 100
 101 7.7 4.6 7.0#
 100 5.4 3.4 5.2#





#77

Pyrene

Concen: 55.89 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

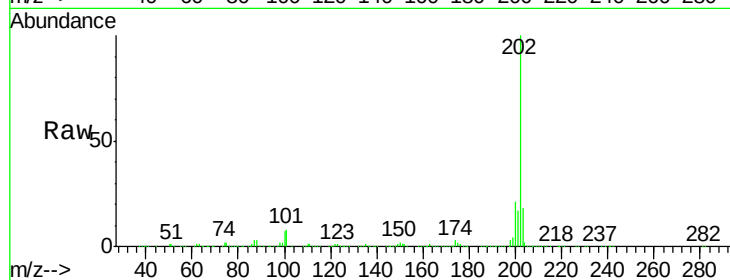
Tgt Ion:202 Resp: 2296870

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

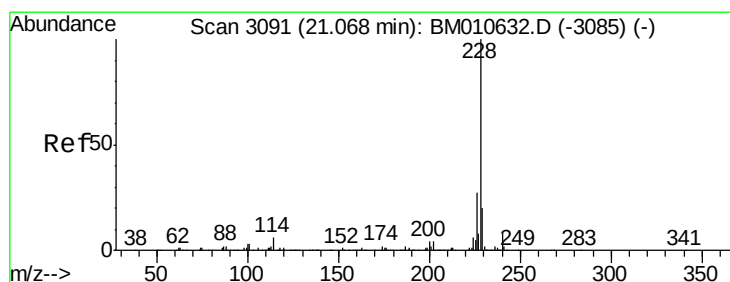
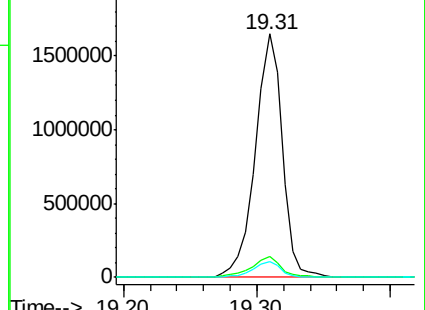
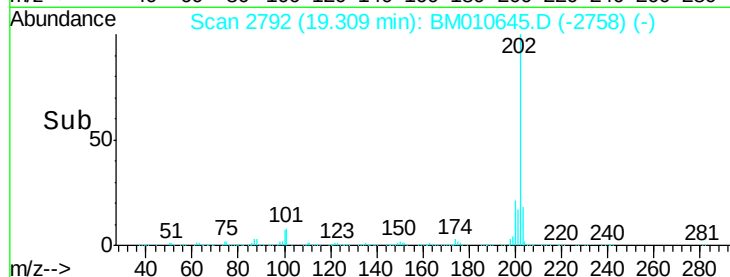
100 6.7 4.9 7.3



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: 18.00 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

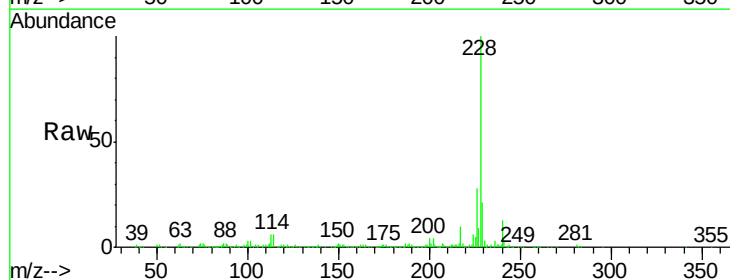
Tgt Ion:228 Resp: 745684

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

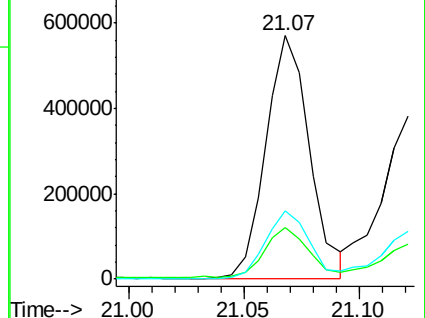
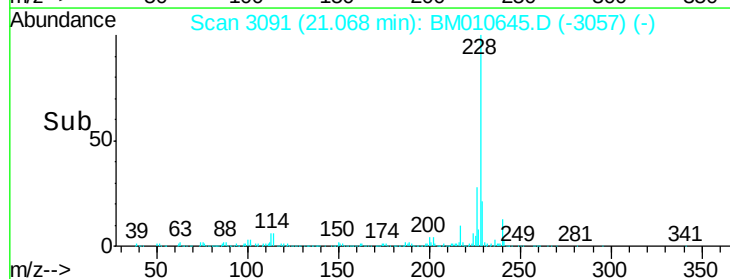
226 27.9 21.4 32.0

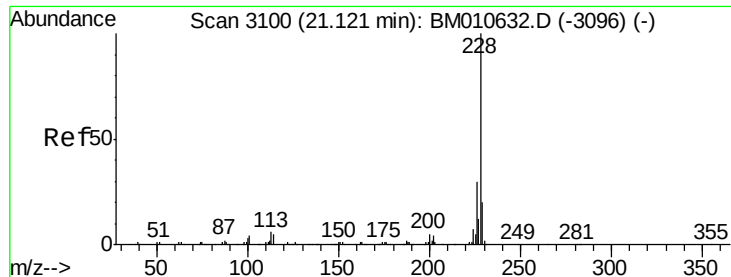


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 13.77 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

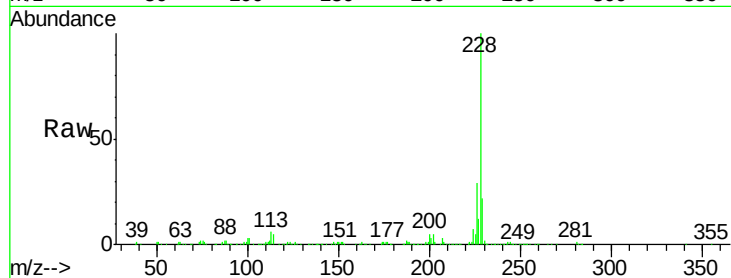
Tgt Ion:228 Resp: 508657

Ion Ratio Lower Upper

228 100

226 29.2 23.4 35.2

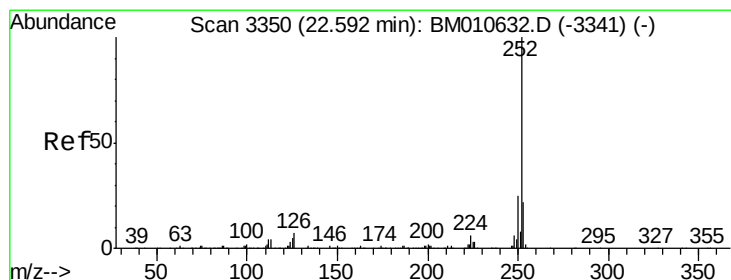
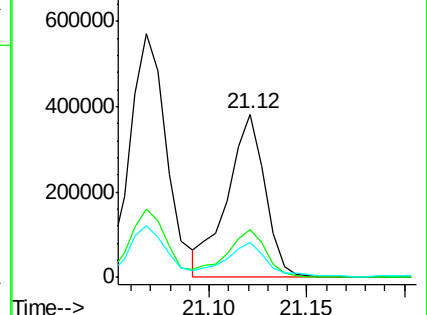
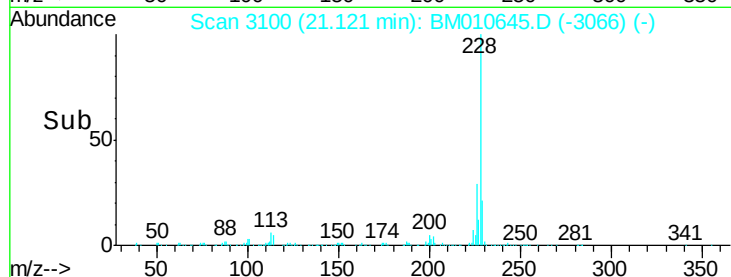
229 21.7 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 9.81 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

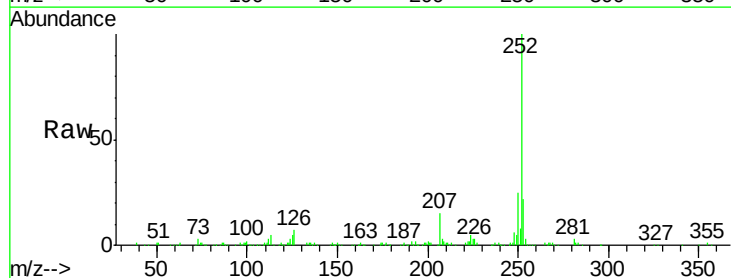
Tgt Ion:252 Resp: 388472

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

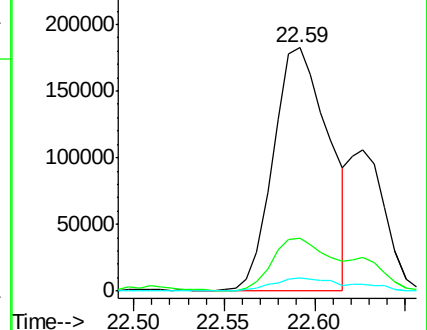
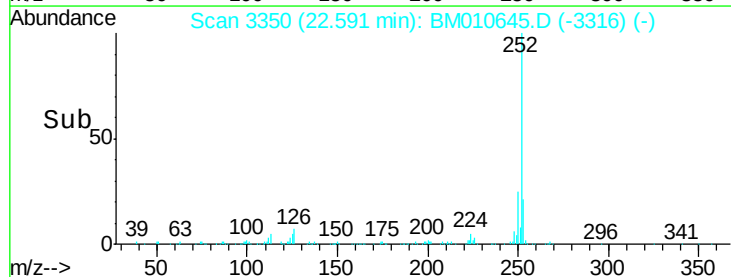
125 5.2 3.6 5.4

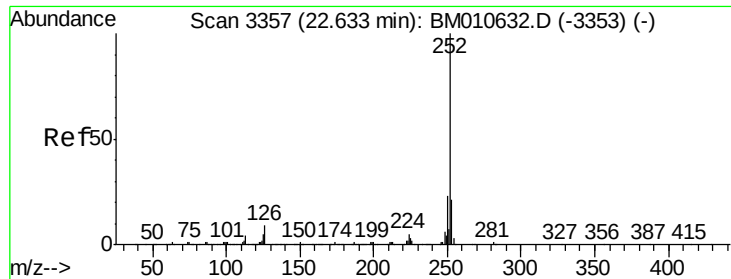


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.80 ng/ul

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

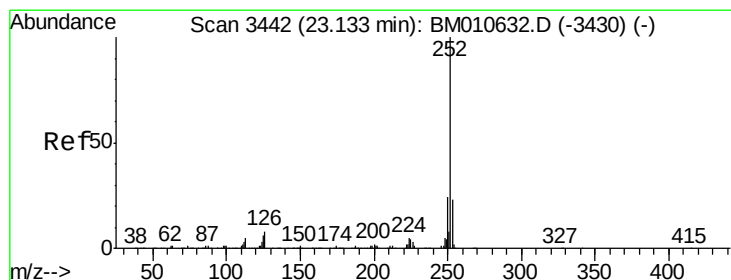
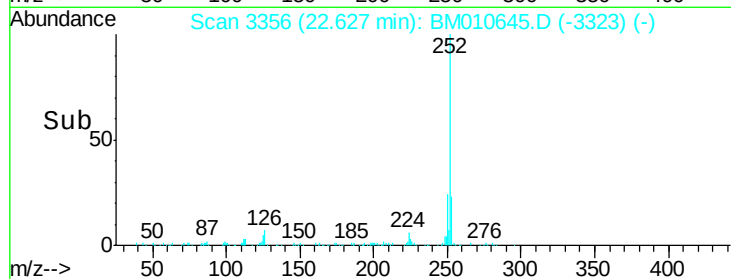
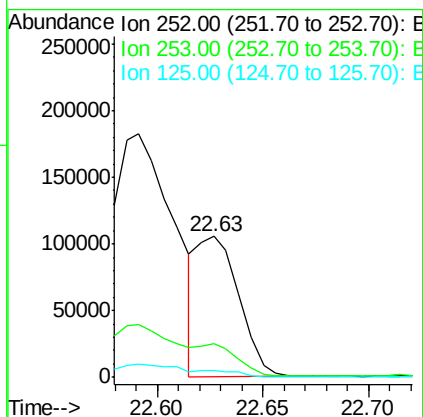
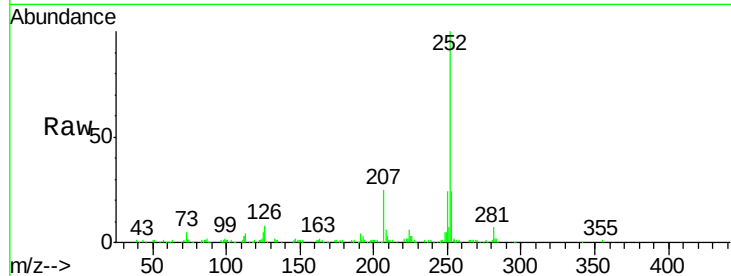
Instrument :

BNA_M

ClientSampleId :

F5C88ME

Tgt Ion:	252	Resp:	142681
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	5.0	3.4	5.2



#88

Benzo(a)pyrene

Concen: 6.28 ng/ul

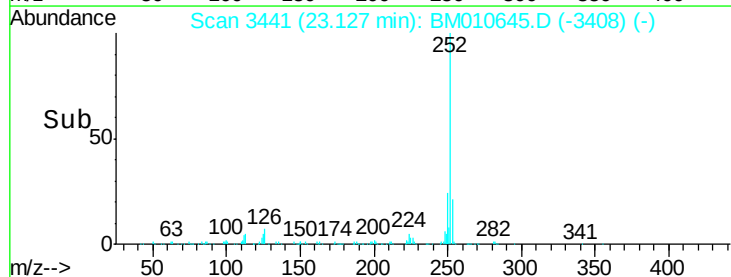
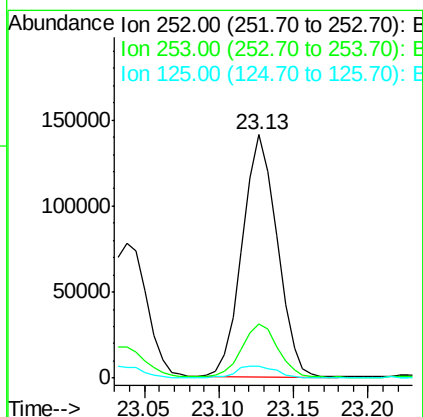
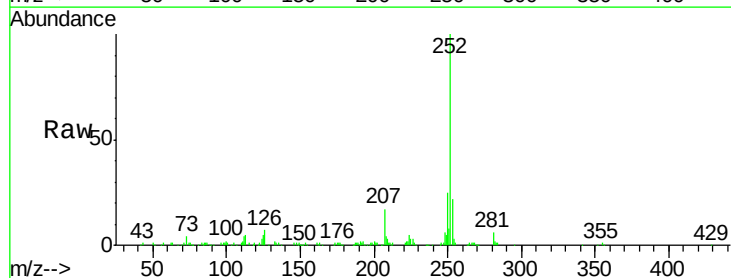
RT: 23.13 min Scan# 3441

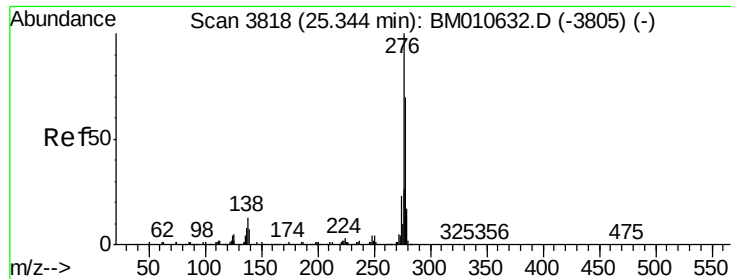
Delta R.T. -0.01 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Tgt Ion:	252	Resp:	228765
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.2	27.2
125	5.1	4.0	6.0





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.73 ng/ul

RT: 25.32 min Scan# 3814

Delta R.T. -0.02 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Instrument :

BNA_M

ClientSampleId :

F5C88ME

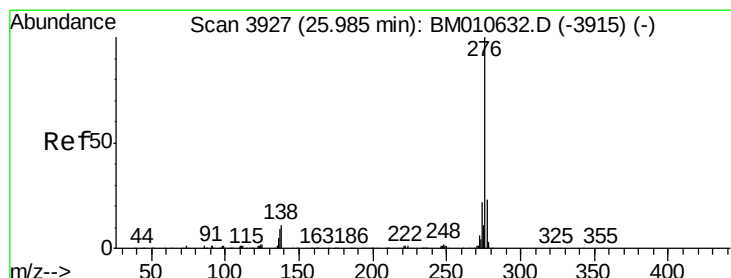
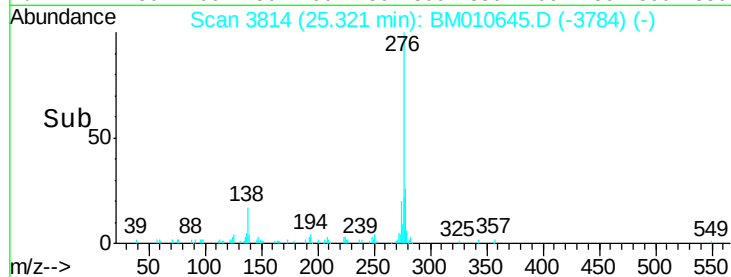
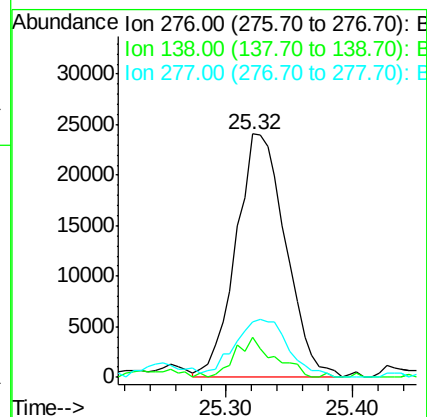
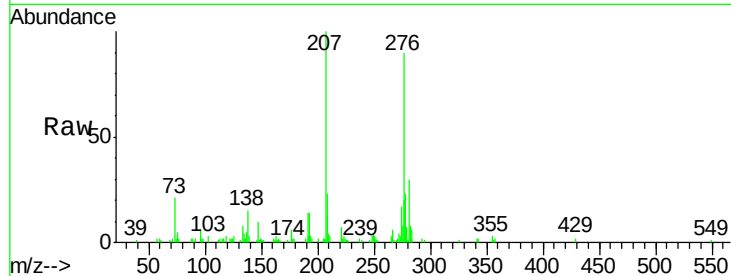
Tgt Ion:276 Resp: 65558

Ion Ratio Lower Upper

276 100

138 16.3 9.3 13.9#

277 22.7 19.9 29.9



#91

Benzo(g,h,i)perylene

Concen: 1.47 ng/ul

RT: 25.97 min Scan# 3924

Delta R.T. -0.02 min

Lab File: BM010645.D

Acq: 22 Jun 2017 04:26

Tgt Ion:276 Resp: 44356

Ion Ratio Lower Upper

276 100

138 9.1 8.5 12.7

277 23.7 18.6 28.0

