

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020428.D
 Acq On : 20 May 2019 12:54
 Operator : JU/SJ
 Sample : K2633-04DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL

Quant Time: May 21 02:23:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	65745	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	250550	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	152116	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	337253	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	338198	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	395142	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	785	0.44	ng/uL	0.02
5) Phenol-d5	6.91	99	10975	2.09	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.08	67	7399	2.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	9954	2.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	4384	1.15	ng/ul	0.02
19) Nitrobenzene-d5	8.92	128	3972	2.44	ng/ul	0.02
22) 2-Nitrophenol-d4	9.62	143	4209	2.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	9449	2.49	ng/ul	0.01
29) 4-Chloroaniline-d4	10.70	131	2649	0.67	ng/ul	0.03
43) Dimethylphthalate-d6	13.80	166	36203	3.31	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	44795	3.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	741	0.47	ng/ul	0.01
57) Fluorene-d10	15.39	176	33453	3.44	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.53	200	320	0.17	ng/ul	0.02
70) Anthracene-d10	17.24	188	49226	3.40	ng/ul	0.01
78) Pyrene-d10	19.54	212	58280	3.58	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	59343	3.30	ng/ul	0.03

Target Compounds

					Qvalue
28) Naphthalene	10.58	128	88344	7.674 ng/ul	98
30) 4-Chloroaniline	10.58	127	11267	2.806 ng/ul#	1
34) 2-Methylnaphthalene	12.20	142	1538259	184.561 ng/ul	98
40) 1,1'-Biphenyl	13.22	154	310065	28.472 ng/ul	99
42) 2-Nitroaniline	13.41	65	4474	2.015 ng/ul#	31
47) Acenaphthylene	14.12	152	916022	70.957 ng/ul	97
49) Acenaphthene	14.45	153	107764	12.143 ng/ul	99
53) Dibenzofuran	14.79	168	131371	9.775 ng/ul	94
54) 2,4-Dinitrotoluene	14.78	165	6137	2.122 ng/ul#	1
58) Fluorene	15.44	166	612554	56.895 ng/ul	100
60) 4-Nitroaniline	15.44	138	6837	3.959 ng/ul#	4
64) N-Nitrosodiphenylamine	15.64	169	10114	1.212 ng/ul#	74
69) Phenanthrene	17.19	178	3768116	234.492 ng/ul	100
71) Anthracene	17.27	178	252306	15.435 ng/ul	99
76) Fluoranthene	19.21	202	673813	33.195 ng/ul	98
79) Pyrene	19.57	202	1030305	50.756 ng/ul	98
82) Benzo(a)anthracene	21.32	228	353009	17.342 ng/ul	97
84) Chrysene	21.37	228	333363	17.137 ng/ul	97
87) Benzo(b)fluoranthene	22.93	252	245089	10.868 ng/ul#	93
88) Benzo(k)fluoranthene	22.93	252	244575	11.041 ng/ul#	94
90) Benzo(a)pyrene	23.52	252	112767	5.313 ng/ul#	95
91) Indeno(1,2,3-cd)pyrene	25.93	276	74880	3.096 ng/ul#	95
92) Dibenz(a,h)anthracene	25.94	278	28757	1.391 ng/ul#	82

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Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

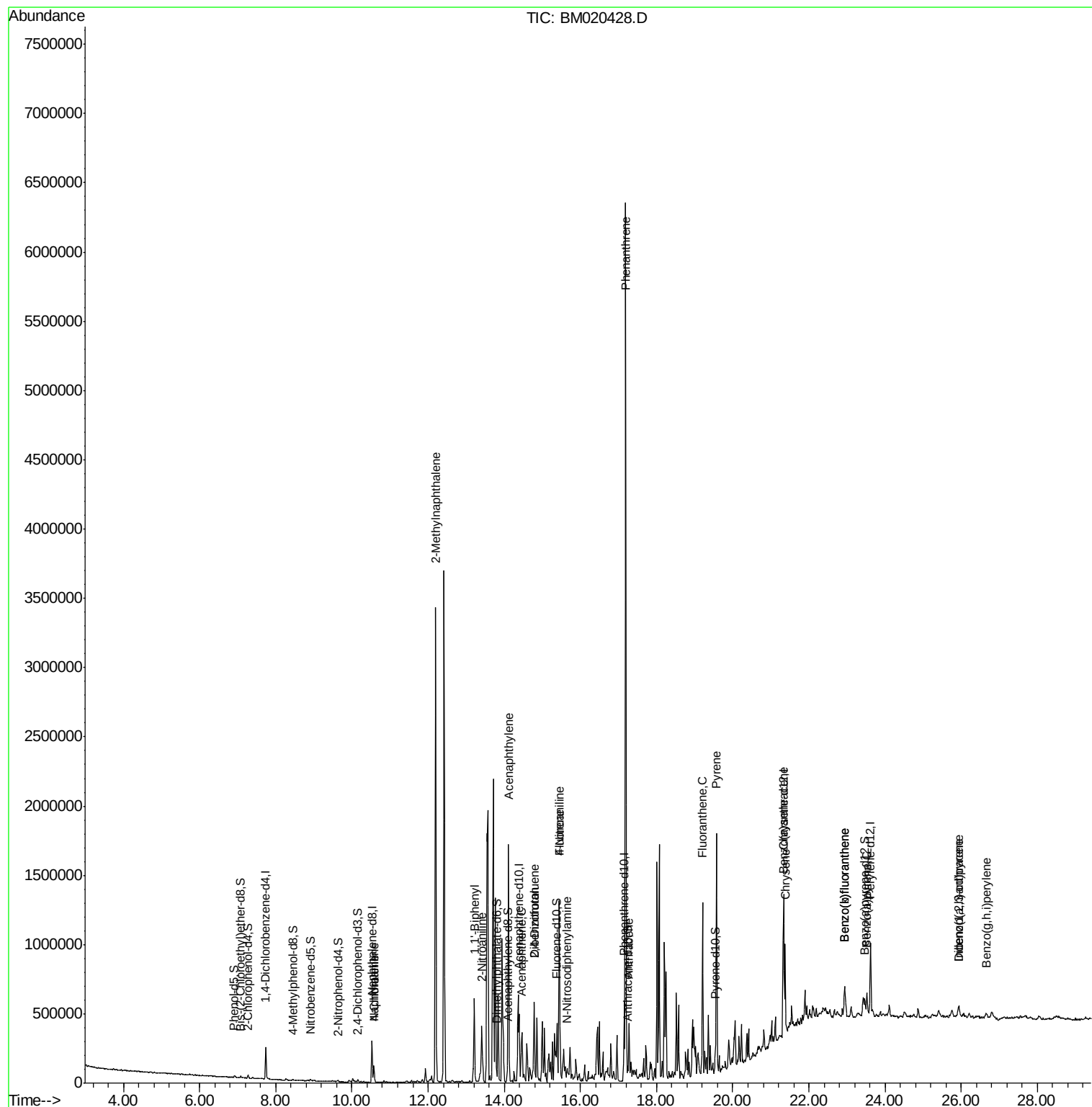
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(g,h,i)perylene	26.65	276	57175	2.856	ng/ul	94

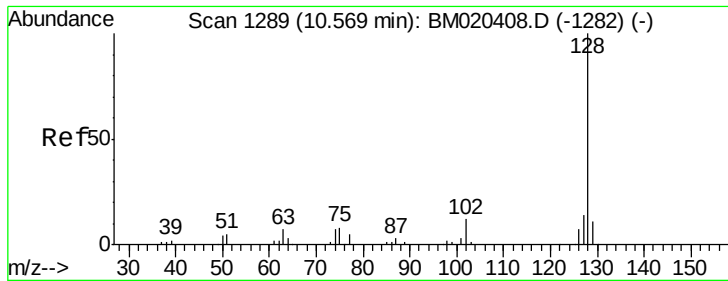
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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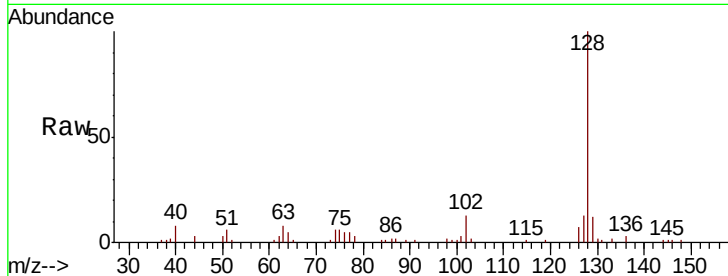




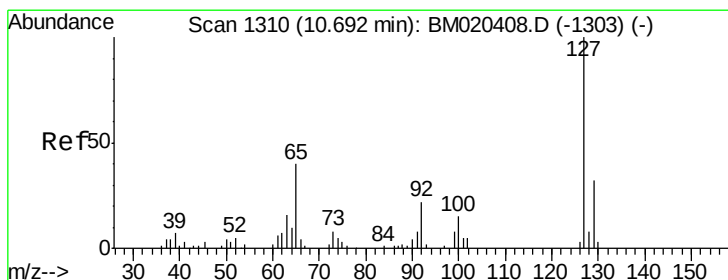
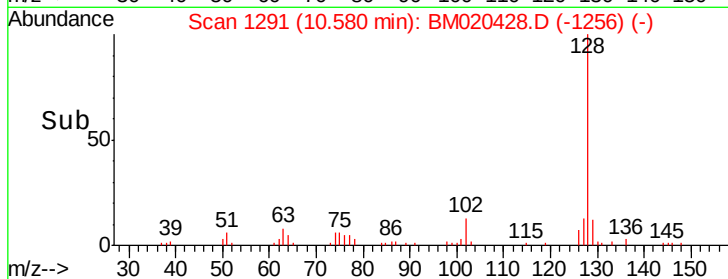
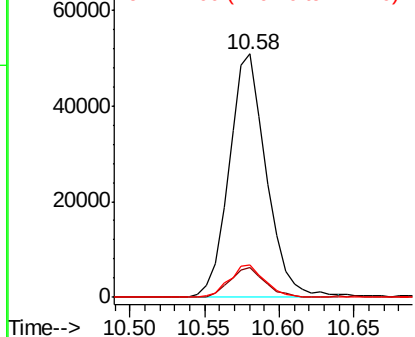
#28
Naphthalene
Concen: 7.674 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

Instrument :
BNA_M
ClientSampleId :
GAJ96DL

Tgt Ion:128 Resp: 88344
Ion Ratio Lower Upper
128 100
129 12.3 8.6 13.0
127 13.1 10.6 15.8

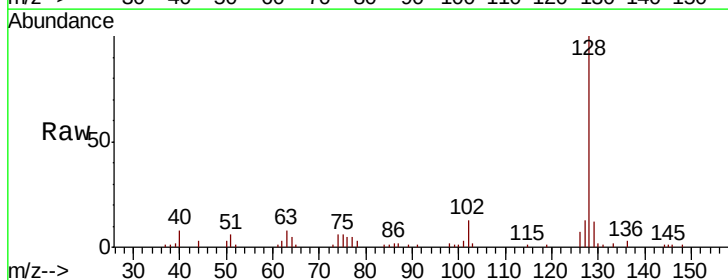


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

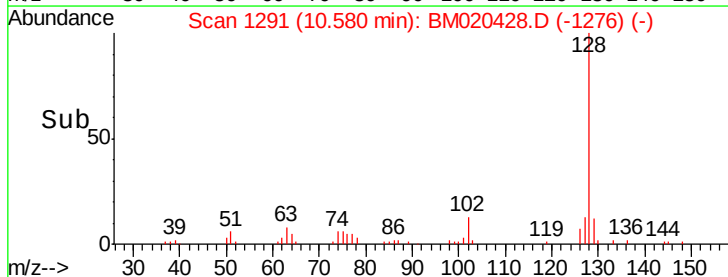
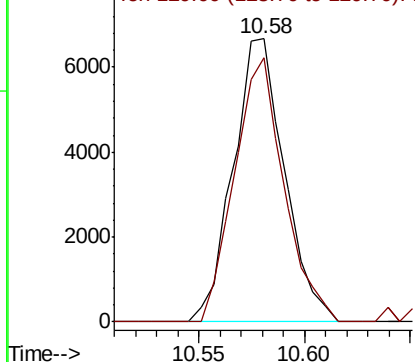


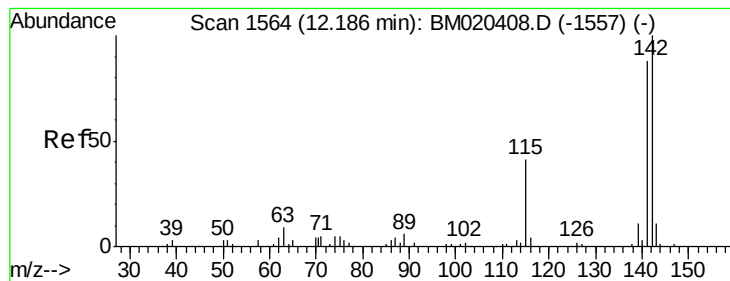
#30
4-Chloroaniline
Concen: 2.806 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. -0.11 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

Tgt Ion:127 Resp: 11267
Ion Ratio Lower Upper
127 100
129 93.6 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 184.561 ng/ul

RT: 12.20 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

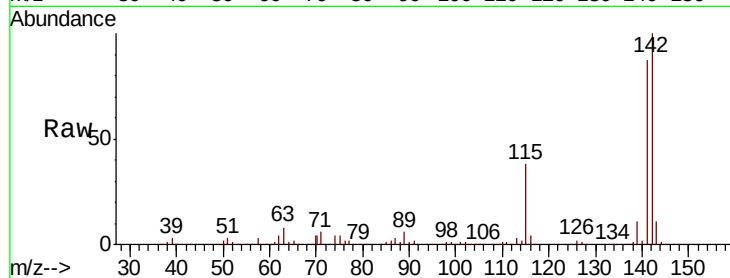
GAJ96DL

Tgt Ion:142 Resp: 1538259

Ion Ratio Lower Upper

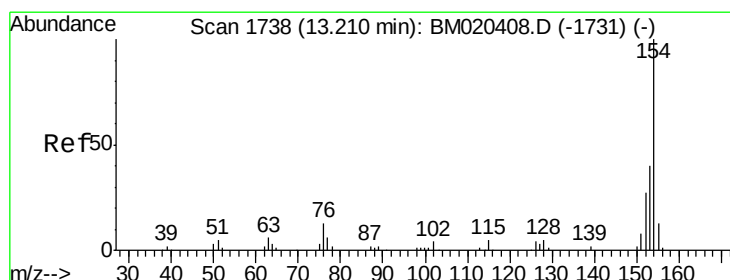
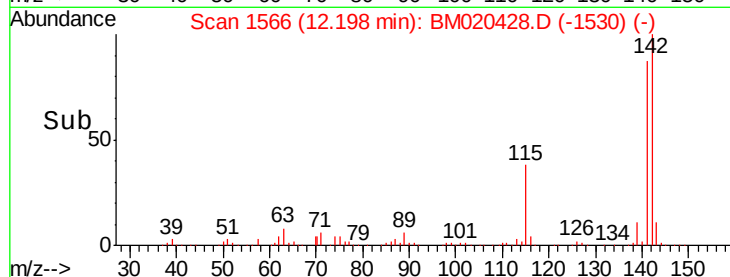
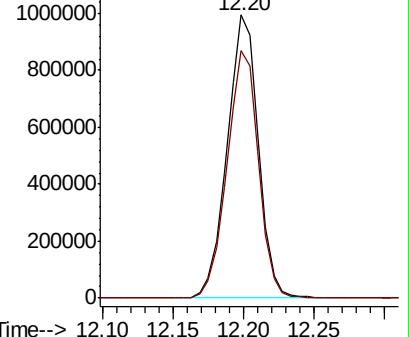
142 100

141 87.5 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#40

1,1'-Biphenyl

Concen: 28.472 ng/ul

RT: 13.22 min Scan# 1739

Delta R.T. 0.01 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

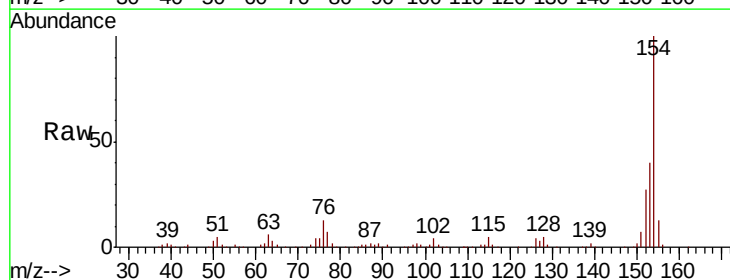
Tgt Ion:154 Resp: 310065

Ion Ratio Lower Upper

154 100

153 40.5 32.2 48.4

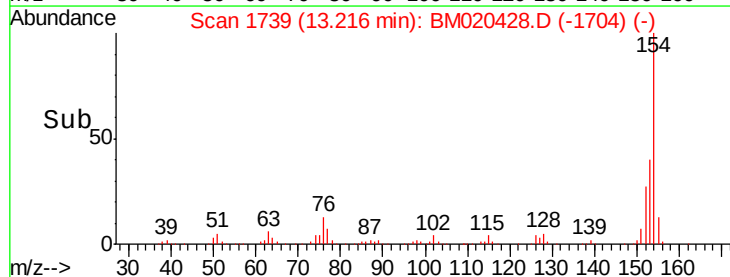
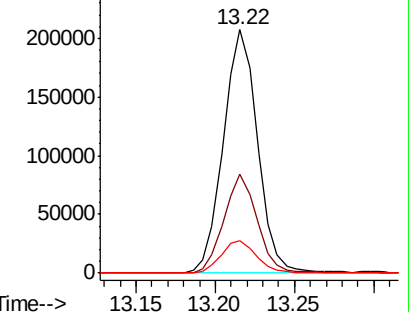
76 13.2 11.0 16.4

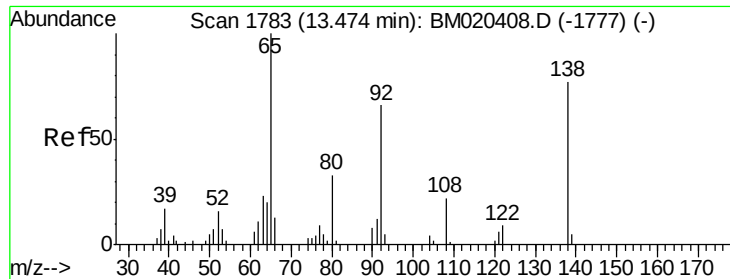


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

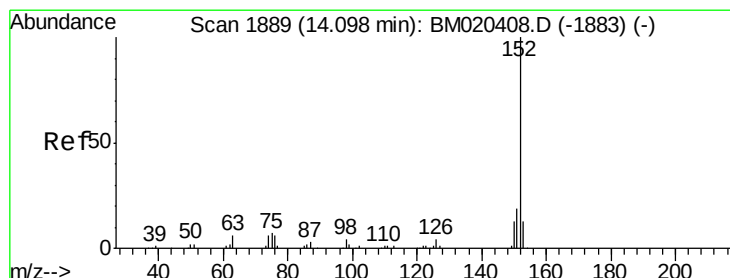
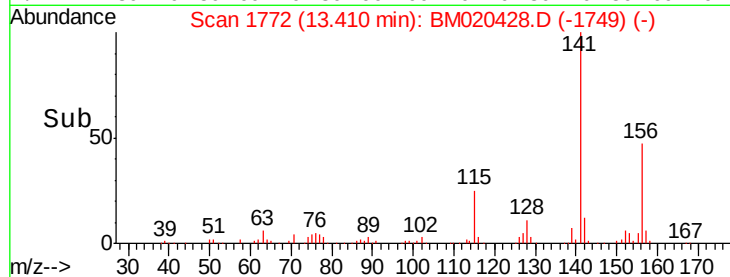
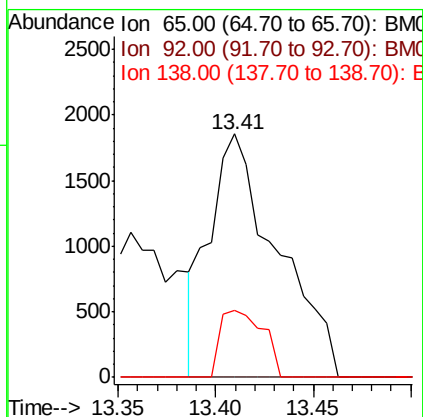
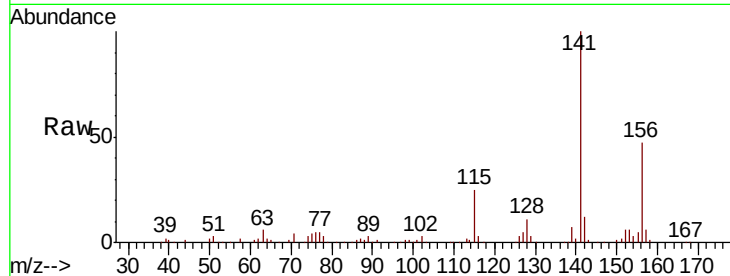




#42
2-Nitroaniline
Concen: 2.015 ng/ul
RT: 13.41 min Scan# 1772
Delta R.T. -0.06 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

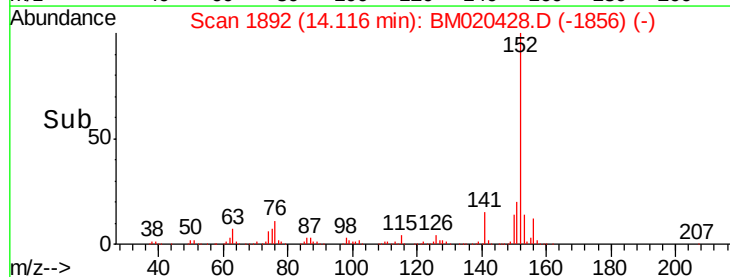
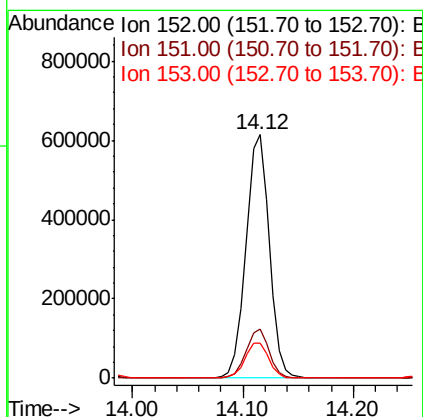
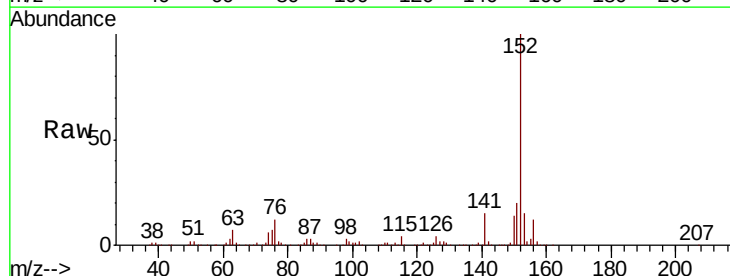
Instrument :
BNA_M
ClientSampleId :
GAJ96DL

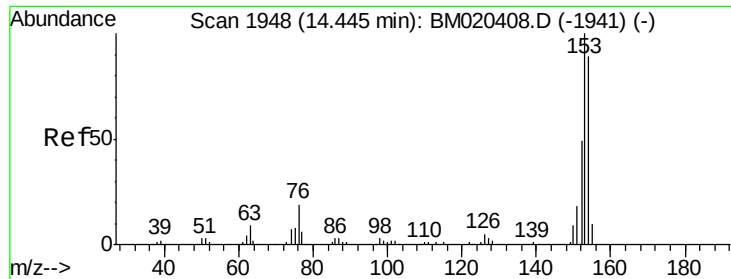
Tgt Ion: 65 Resp: 4474
Ion Ratio Lower Upper
65 100
92 0.0 50.9 76.3#
138 27.5 64.2 96.2#



#47
Acenaphthylene
Concen: 70.957 ng/ul
RT: 14.12 min Scan# 1892
Delta R.T. 0.01 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

Tgt Ion: 152 Resp: 916022
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0
153 14.5 10.3 15.5





#49

Acenaphthene

Concen: 12.143 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

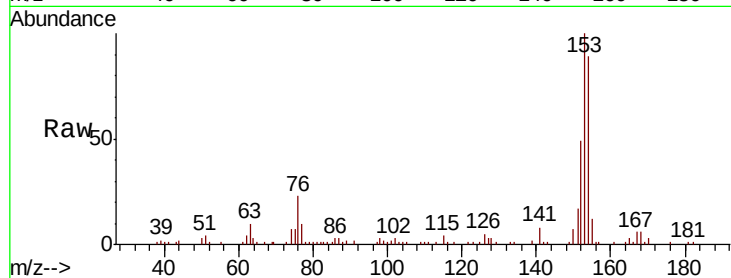
Tgt Ion:153 Resp: 107764

Ion Ratio Lower Upper

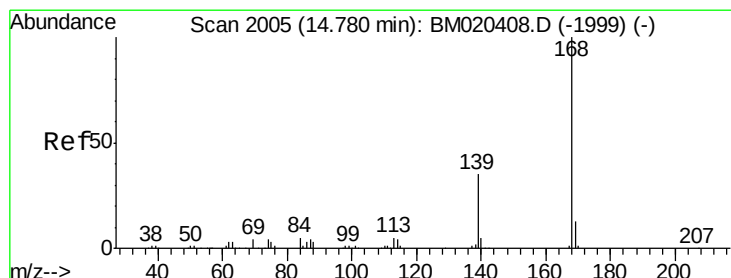
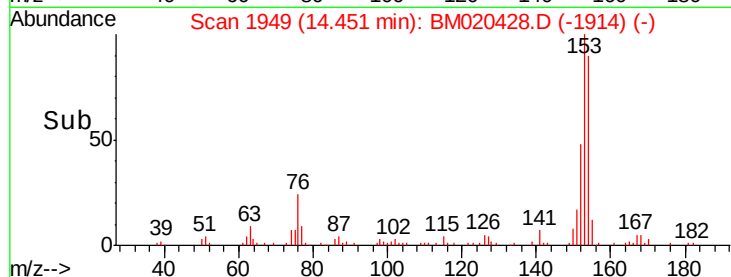
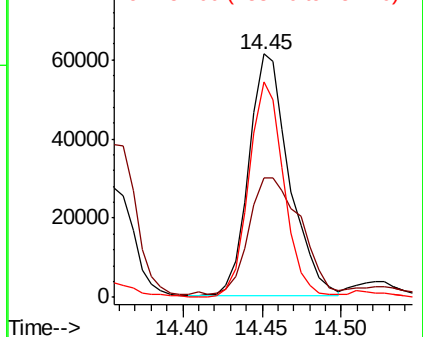
153 100

152 49.3 37.9 56.9

154 88.5 71.2 106.8



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: 9.775 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BM020428.D

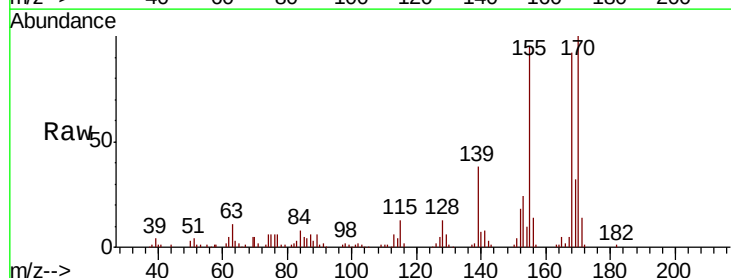
Acq: 20 May 2019 12:54

Tgt Ion:168 Resp: 131371

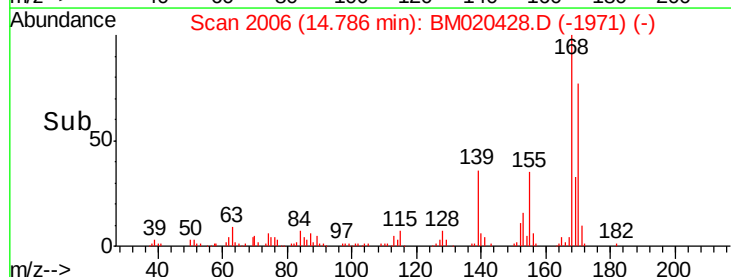
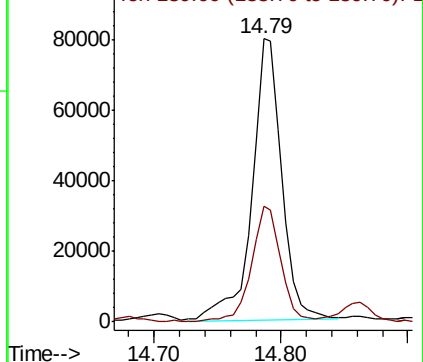
Ion Ratio Lower Upper

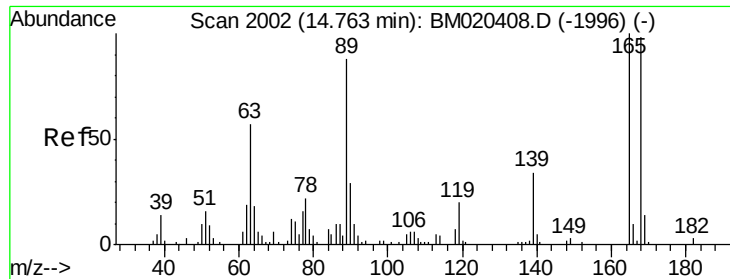
168 100

139 41.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#54

2,4-Dinitrotoluene

Concen: 2.122 ng/ul

RT: 14.78 min Scan# 2005

Delta R.T. 0.02 min

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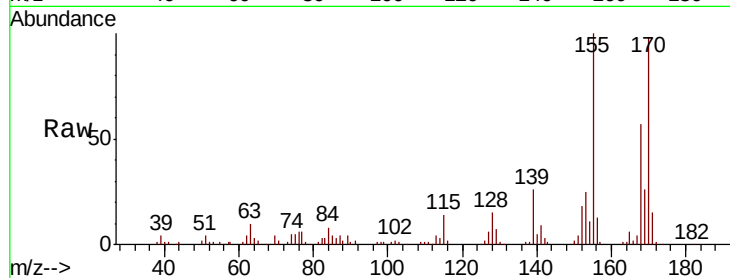
Tgt Ion:165 Resp: 6137

Ion Ratio Lower Upper

165 100

63 166.4 43.2 64.8#

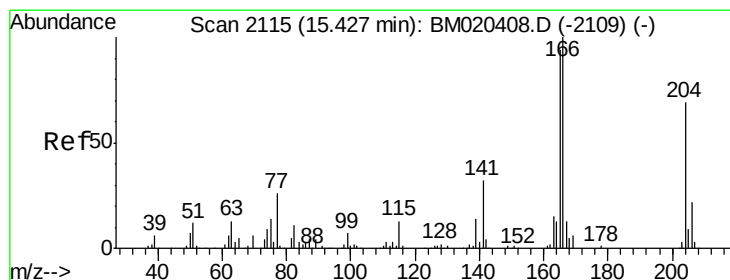
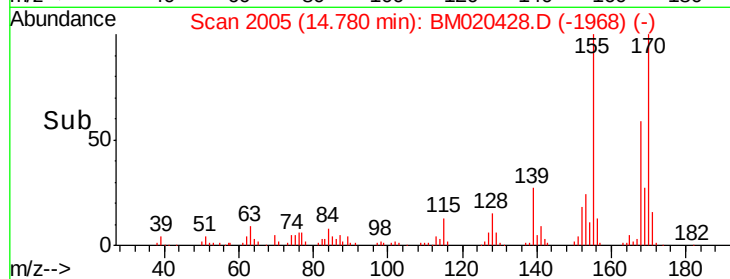
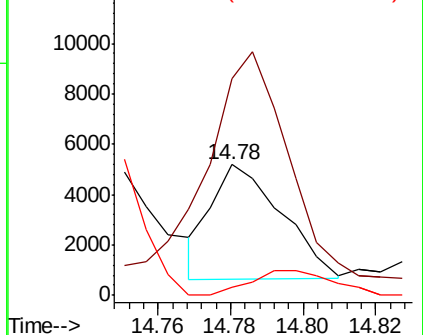
182 6.4 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 56.895 ng/ul

RT: 15.44 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

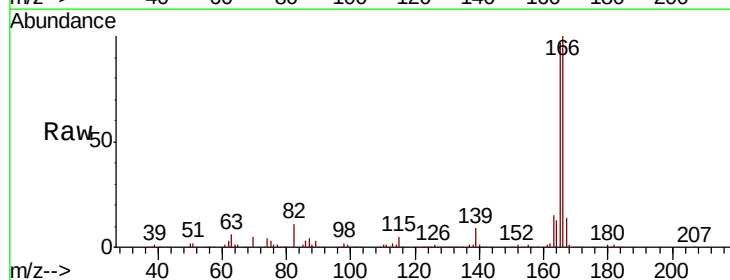
Tgt Ion:166 Resp: 612554

Ion Ratio Lower Upper

166 100

165 96.8 77.1 115.7

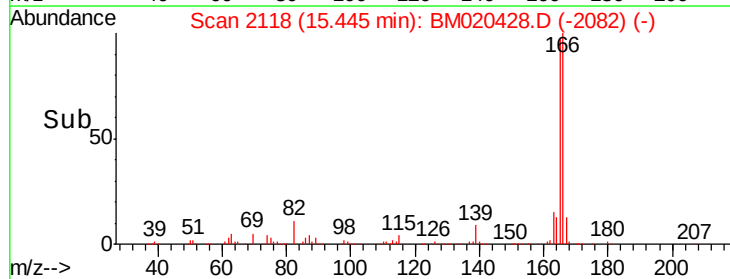
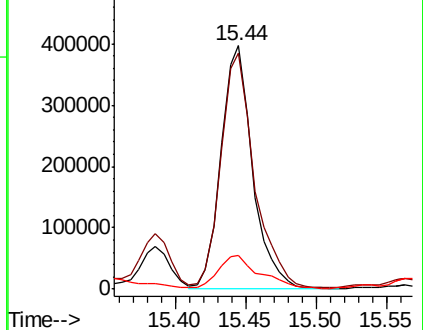
167 13.9 11.1 16.7

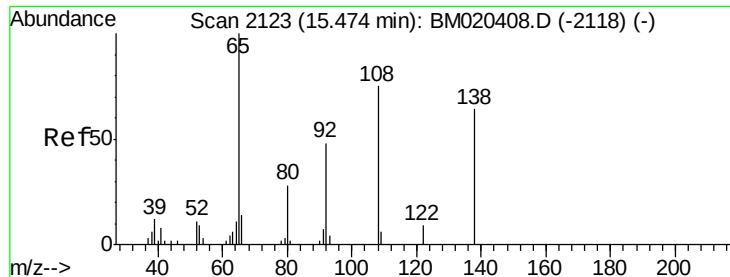


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

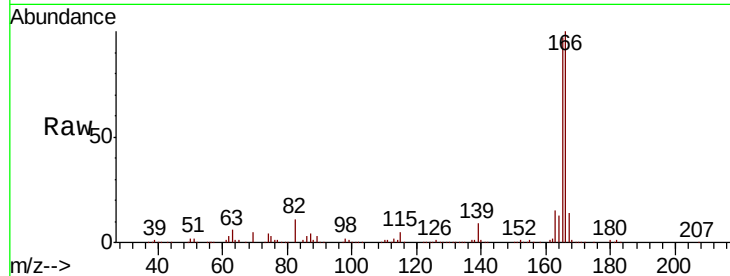




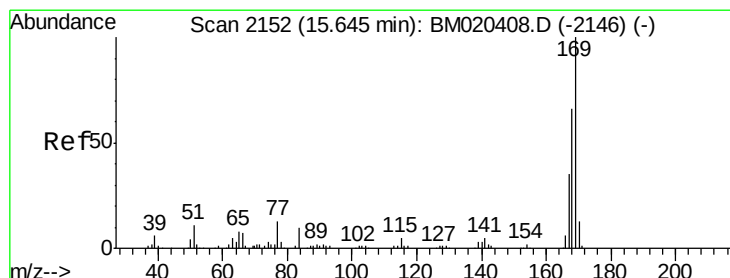
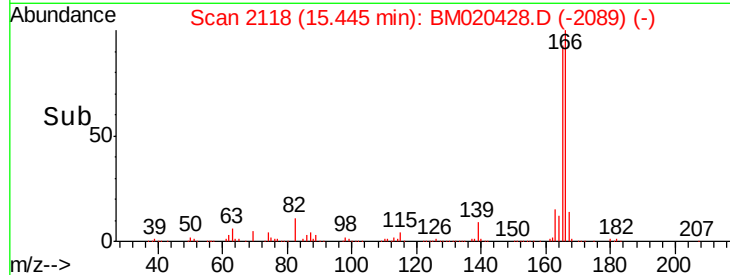
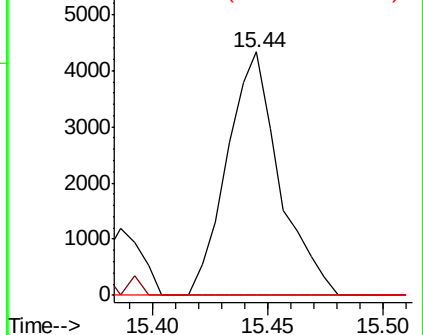
#60
4-Nitroaniline
Concen: 3.959 ng/ul
RT: 15.44 min Scan# 2118
Delta R.T. -0.03 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

Instrument :
BNA_M
ClientSampled :
GAJ96DL

Tgt Ion:138 Resp: 6837
Ion Ratio Lower Upper
138 100
92 0.0 52.2 78.4#
108 0.0 86.6 130.0#

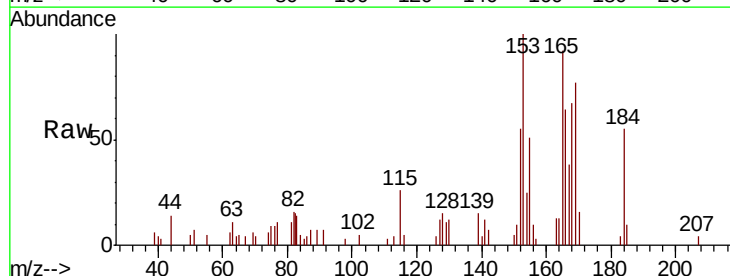


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

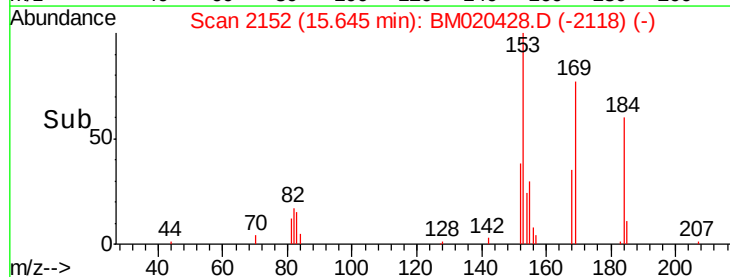
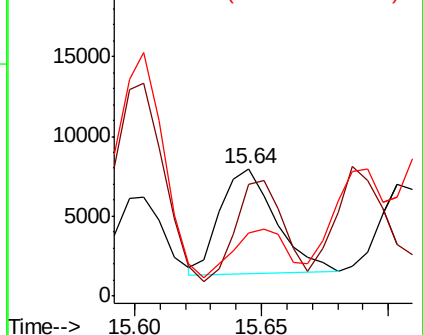


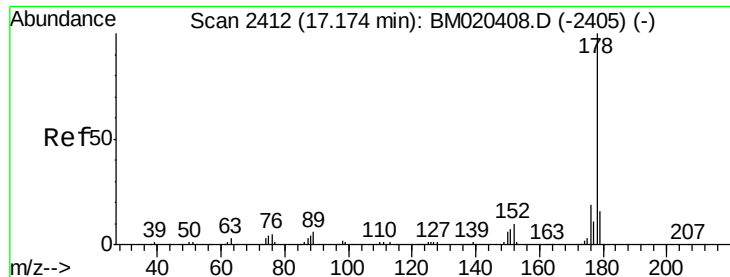
#64
N-Nitrosodiphenylamine
Concen: 1.212 ng/ul
RT: 15.64 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BM020428.D
Acq: 20 May 2019 12:54

Tgt Ion:169 Resp: 10114
Ion Ratio Lower Upper
169 100
168 87.5 53.2 79.8#
167 49.4 28.2 42.2#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 234.492 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

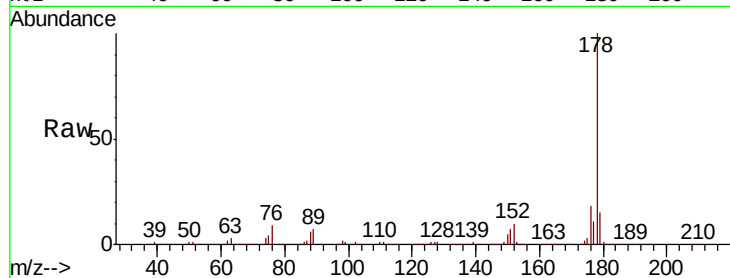
Tgt Ion:178 Resp: 3768116

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

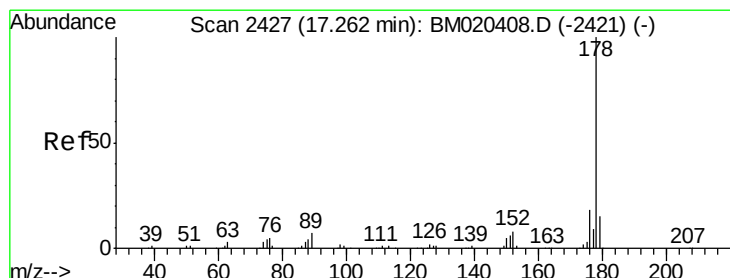
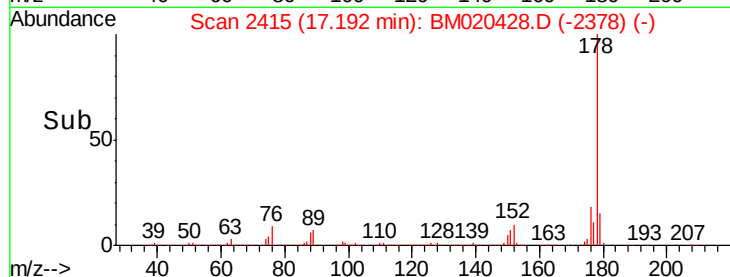
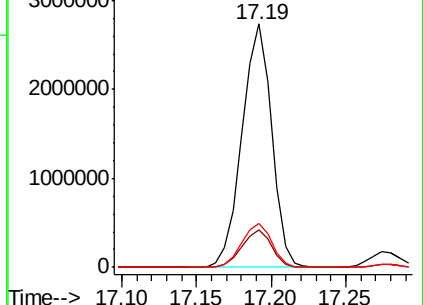
176 18.3 14.6 22.0



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: 15.435 ng/ul

RT: 17.27 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

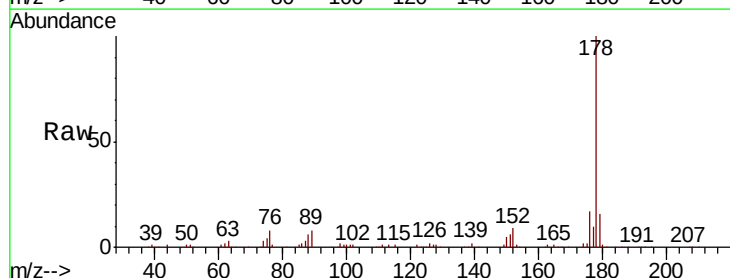
Tgt Ion:178 Resp: 252306

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

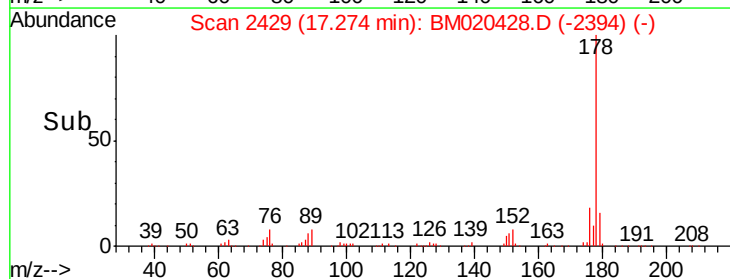
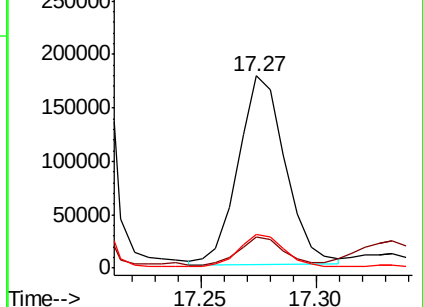
176 17.5 14.4 21.6

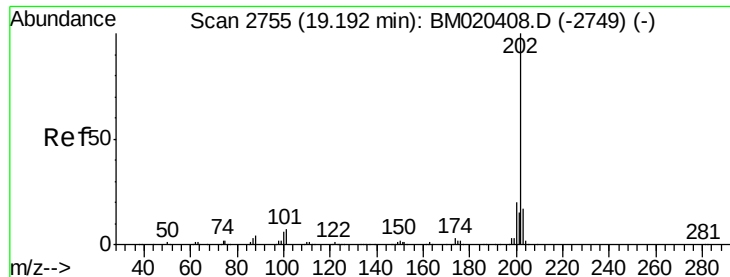


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 33.195 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. 0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

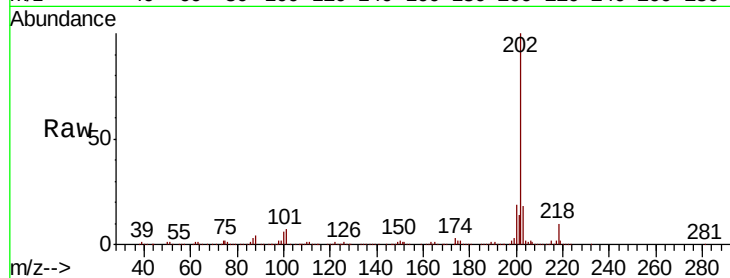
Tgt Ion:202 Resp: 673813

Ion Ratio Lower Upper

202 100

101 7.5 6.4 9.6

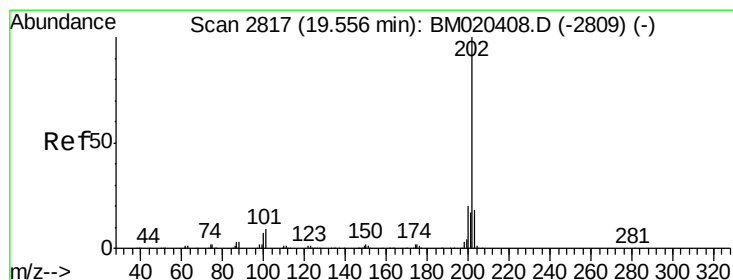
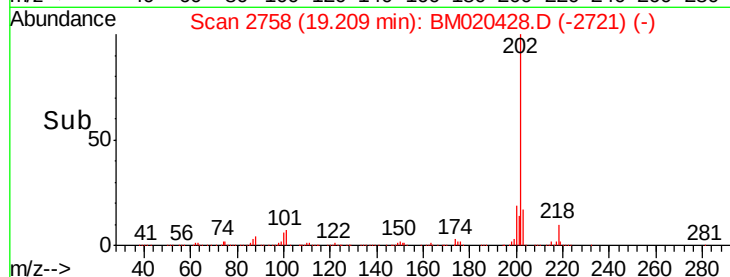
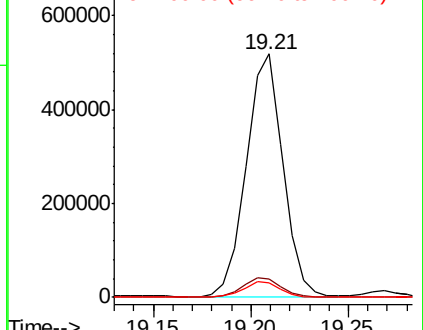
100 5.8 5.2 7.8



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



#79

Pyrene

Concen: 50.756 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. 0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

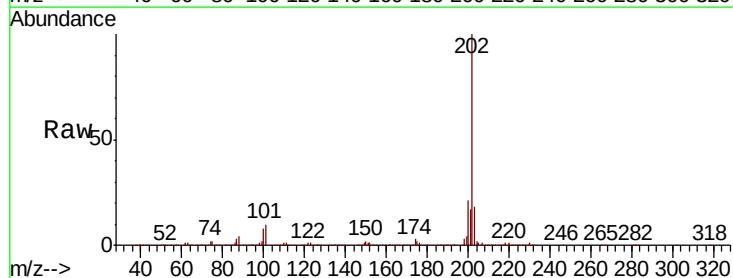
Tgt Ion:202 Resp: 1030305

Ion Ratio Lower Upper

202 100

101 9.5 7.1 10.7

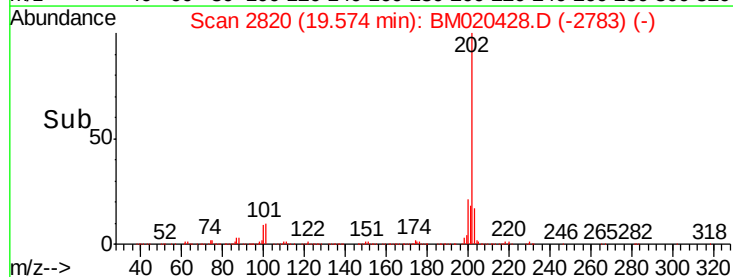
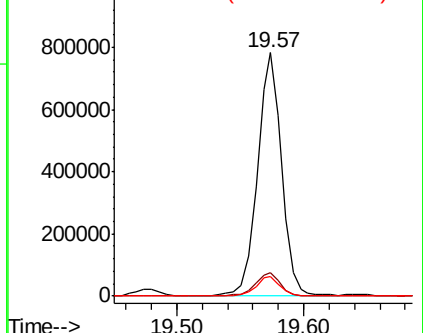
100 8.0 5.9 8.9

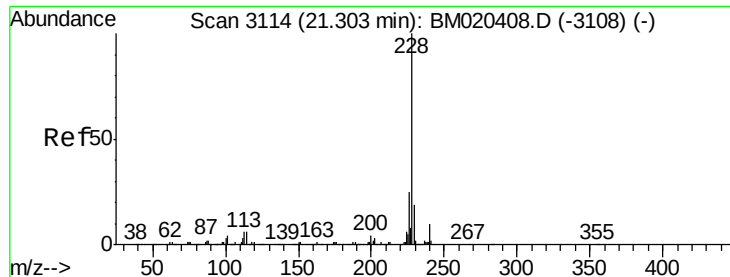


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 17.342 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

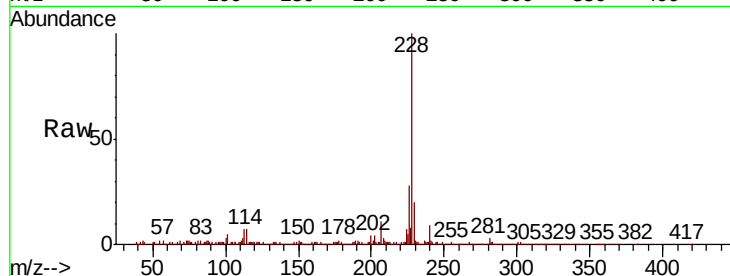
Tgt Ion:228 Resp: 353009

Ion Ratio Lower Upper

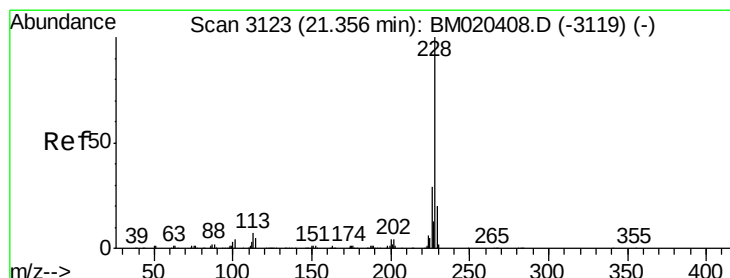
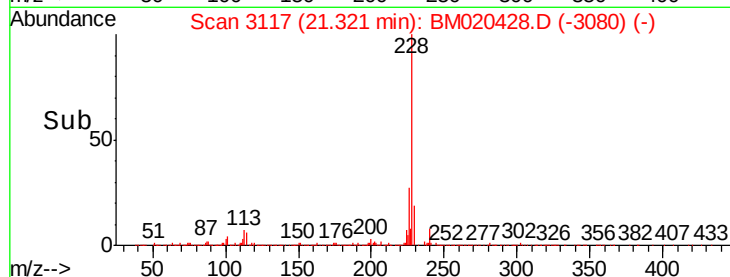
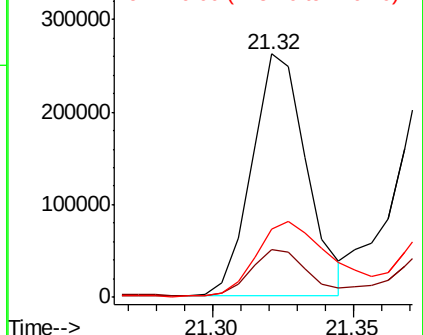
228 100

229 19.8 15.8 23.8

226 28.2 20.6 30.8



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



#84

Chrysene

Concen: 17.137 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

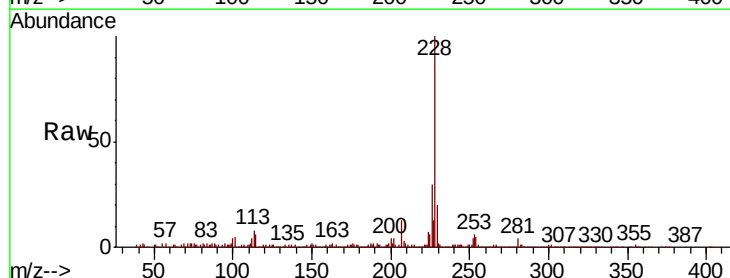
Tgt Ion:228 Resp: 333363

Ion Ratio Lower Upper

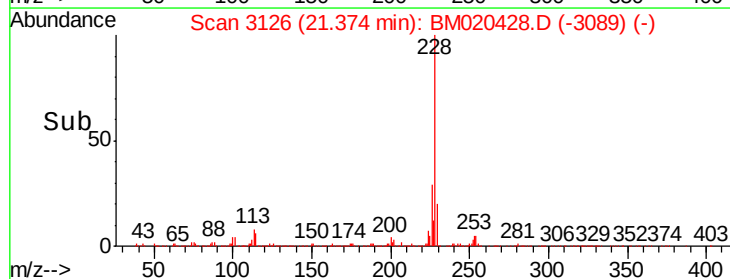
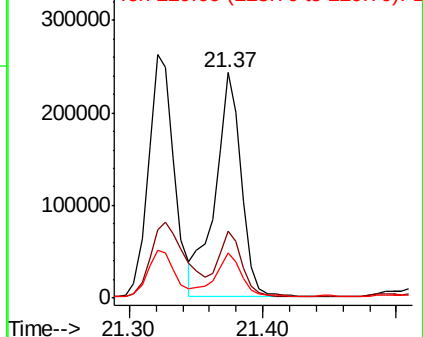
228 100

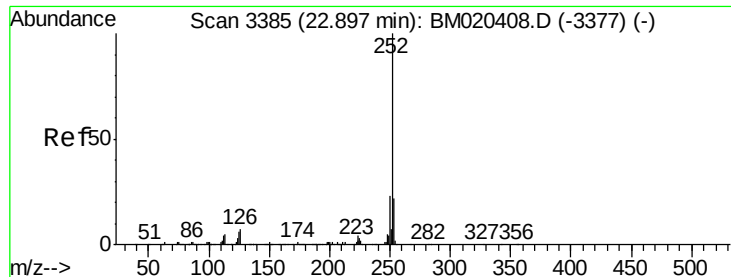
226 29.6 22.2 33.4

229 20.3 15.4 23.2



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





#87

Benzo(b)fluoranthene

Concen: 10.868 ng/ul

RT: 22.93 min Scan# 3391

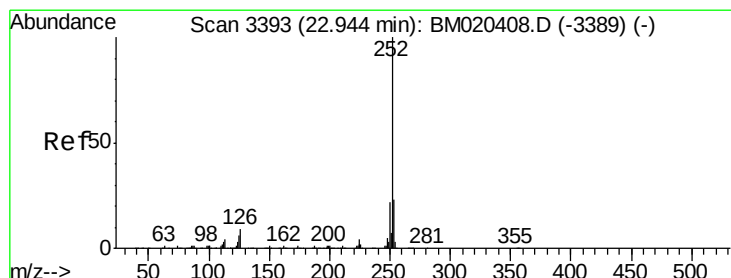
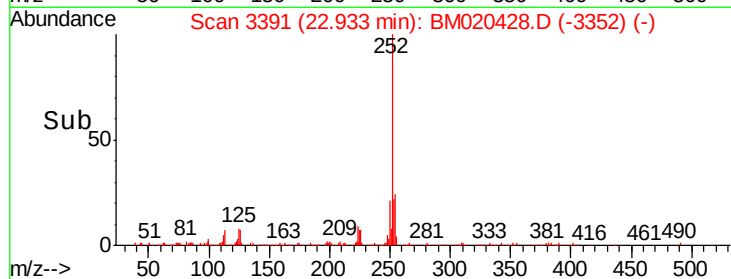
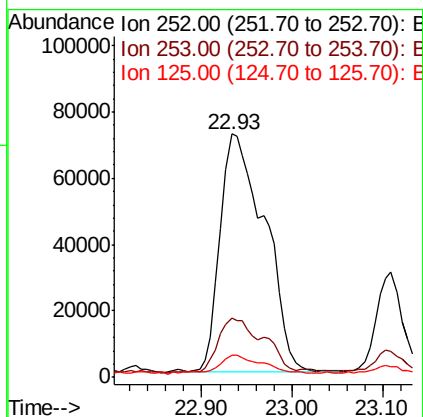
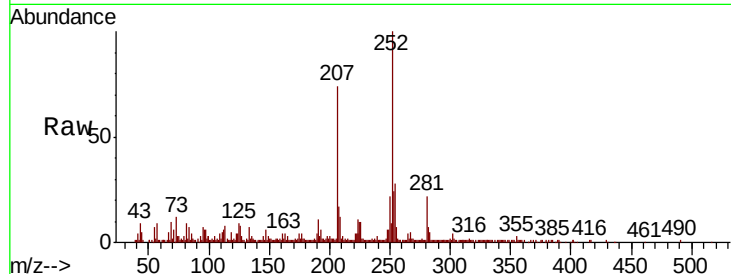
Delta R.T. 0.03 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :
BNA_M
ClientSampleId :
GAJ96DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	9.3	5.0	7.4



#88

Benzo(k)fluoranthene

Concen: 11.041 ng/ul

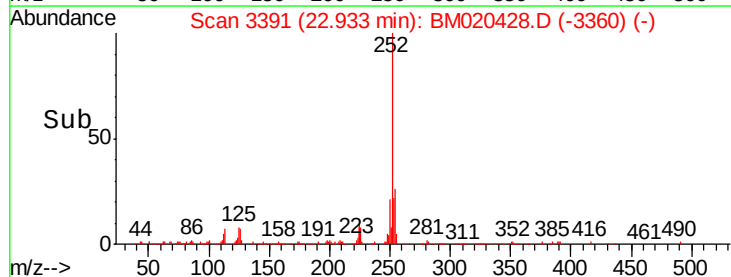
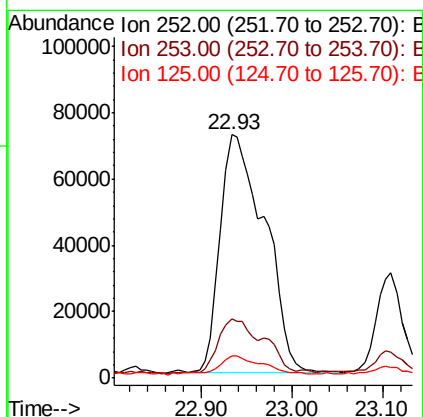
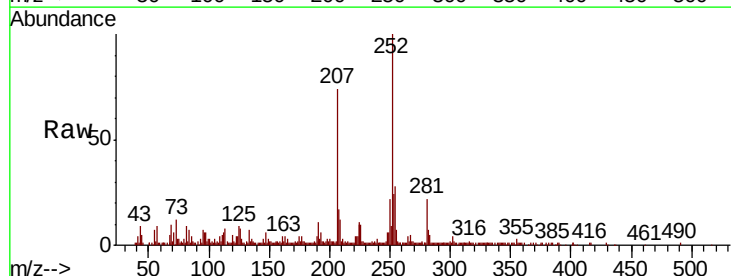
RT: 22.93 min Scan# 3391

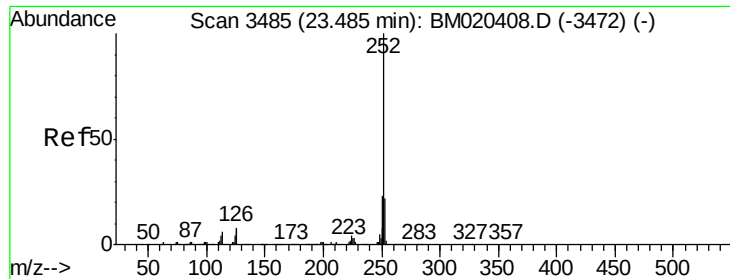
Delta R.T. -0.02 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	9.3	5.0	7.6





#90

Benzo(a)pyrene

Concen: 5.313 ng/ul

RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

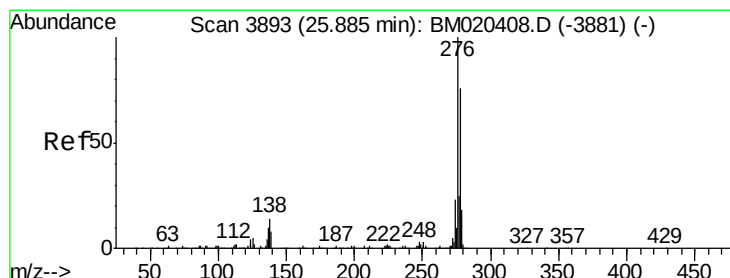
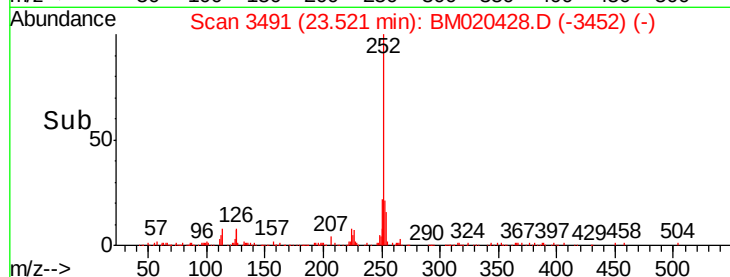
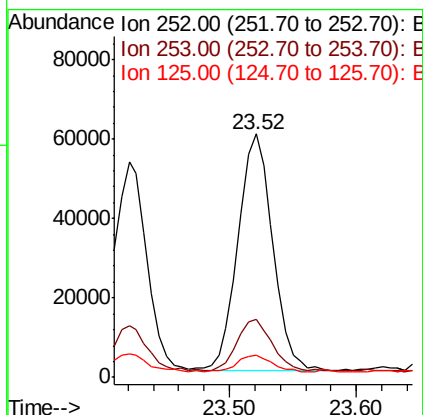
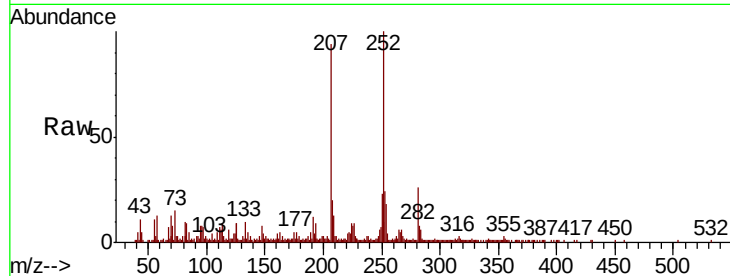
Tgt Ion:252 Resp: 112767

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 9.1 5.4 8.2#



#91

Indeno(1,2,3-cd)pyrene

Concen: 3.096 ng/ul

RT: 25.93 min Scan# 3901

Delta R.T. 0.04 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

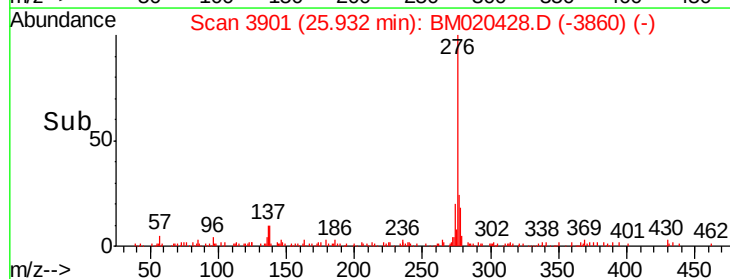
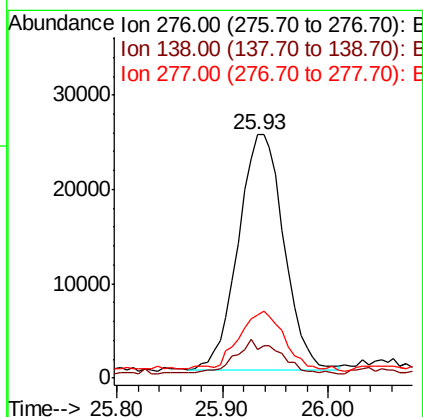
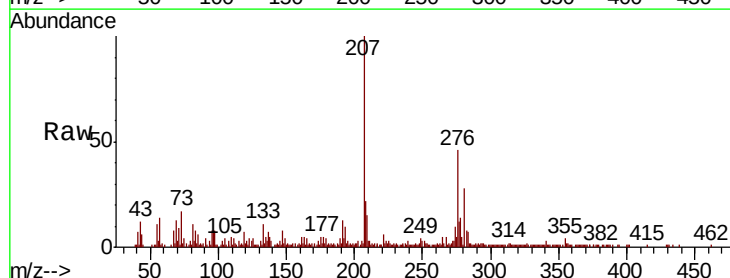
Tgt Ion:276 Resp: 74880

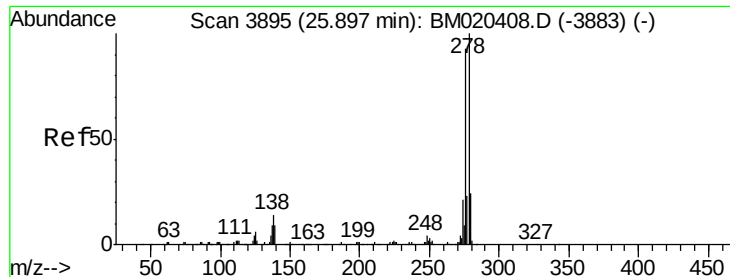
Ion Ratio Lower Upper

276 100

138 11.5 12.3 18.5#

277 25.8 20.0 30.0





#92

Dibenzo(a,h)anthracene

Concen: 1.391 ng/ul

RT: 25.94 min Scan# 3902

Delta R.T. 0.04 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

Instrument :

BNA_M

ClientSampleId :

GAJ96DL

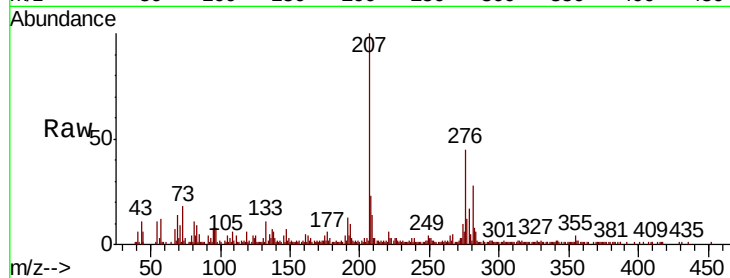
Tgt Ion:278 Resp: 28757

Ion Ratio Lower Upper

278 100

139 20.7 8.1 12.1#

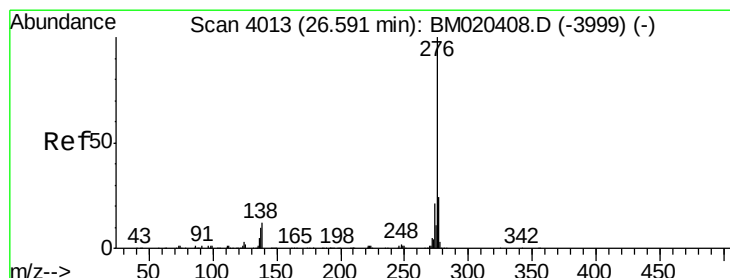
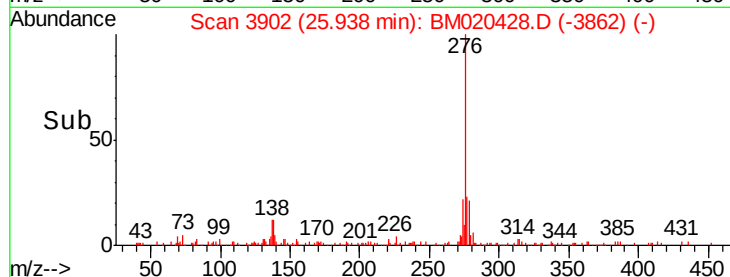
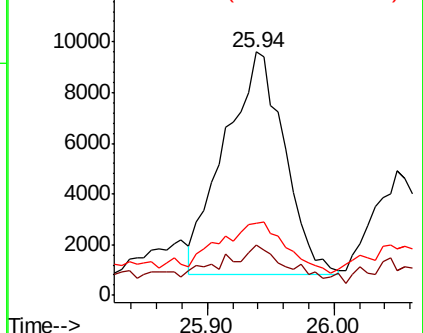
279 29.9 18.7 28.1#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 2.856 ng/ul

RT: 26.65 min Scan# 4023

Delta R.T. 0.05 min

Lab File: BM020428.D

Acq: 20 May 2019 12:54

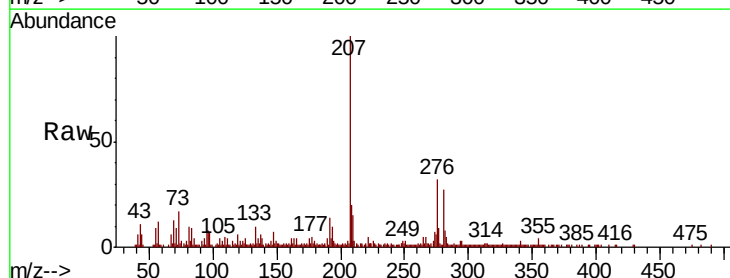
Tgt Ion:276 Resp: 57175

Ion Ratio Lower Upper

276 100

138 12.6 10.0 15.0

277 27.2 18.2 27.4



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

