

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
 Data File : BM005629.D
 Acq On : 24 May 2016 03:41
 Operator : UM/SJ
 Sample : H3086-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2RE

Quant Time: May 24 06:59:26 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 24 06:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	232153	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	967755	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	469452	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	896560	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	786110	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	861677	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	14161	2.67	ng/uL	0.00
5) Phenol-d5	6.98	99	355902	18.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	211313	19.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	288481	18.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	296455	19.01	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	144540	19.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	155531	19.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	285506	18.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	334634	21.78	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	766771	20.01	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	995602	20.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	108482	14.97	ng/ul	0.00
57) Fluorene-d10	15.43	176	649233	19.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	19415	3.76	ng/ul	0.01
70) Anthracene-d10	17.29	188	922679	21.60	ng/ul	0.00
76) Pyrene-d10	19.58	212	900554	25.30	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	851914	21.17	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.65	128	526814	10.84	ng/ul	99
34) 2-Methylnaphthalene	12.26	142	155843	4.38	ng/ul	99
40) 1,1'-Biphenyl	13.27	154	104417	2.65	ng/ul	98
44) Dimethylphthalate	13.90	163	216907	5.73	ng/ul	100
47) Acenaphthylene	14.16	152	777466	15.97	ng/ul	97
49) Acenaphthene	14.50	153	185867	5.79	ng/ul	98
53) Dibenzofuran	14.84	168	252375	5.51	ng/ul	96
58) Fluorene	15.49	166	559932	15.27	ng/ul	99
64) N-Nitrosodiphenylamine	15.70	169	42617	1.57	ng/ul	97
69) Phenanthrene	17.23	178	4333879	86.49	ng/ul	99
71) Anthracene	17.32	178	1193880	23.38	ng/ul	100
72) Carbazole	17.59	167	125091	2.82	ng/ul#	91
74) Fluoranthene	19.25	202	5010763	88.84	ng/ul	99
77) Pyrene	19.62	202	5340526	118.18	ng/ul	99
80) Benzo(a)anthracene	21.40	228	1970016	42.64	ng/ul	93
82) Chrysene	21.40	228	1970016	44.81	ng/ul	97
85) Benzo(b)fluoranthene	22.96	252	1897985	37.34	ng/ul#	95
86) Benzo(k)fluoranthene	22.96	252	1897985	39.45	ng/ul#	95
88) Benzo(a)pyrene	23.55	252	1864688	37.82	ng/ul	97
89) Indeno(1,2,3-cd)pyrene	25.96	276	1075144	18.36	ng/ul	98
90) Dibenzo(a,h)anthracene	25.96	278	253817	5.20	ng/ul#	86
91) Benzo(g,h,i)perylene	26.67	276	1069547	21.72	ng/ul	96

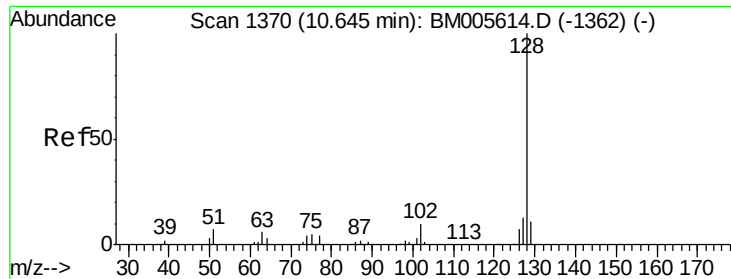
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
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Response via : Initial Calibration

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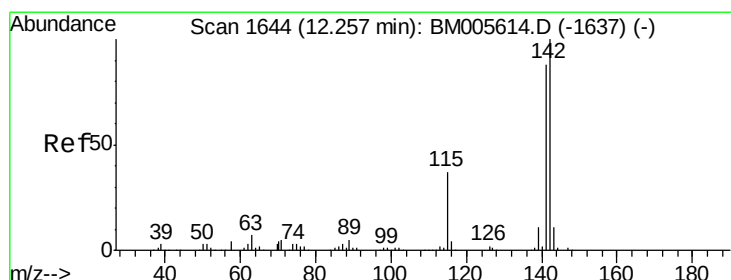
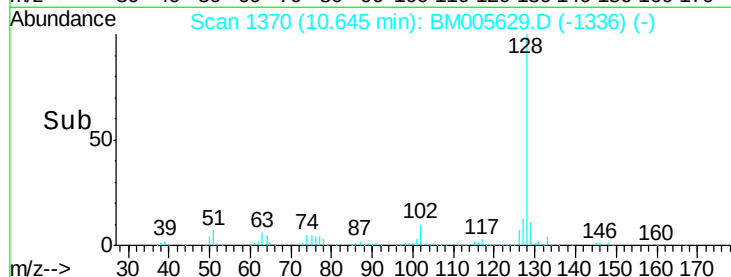
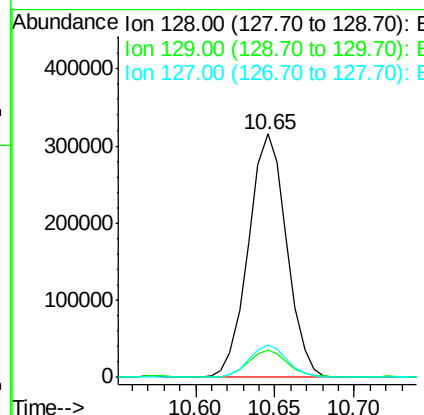
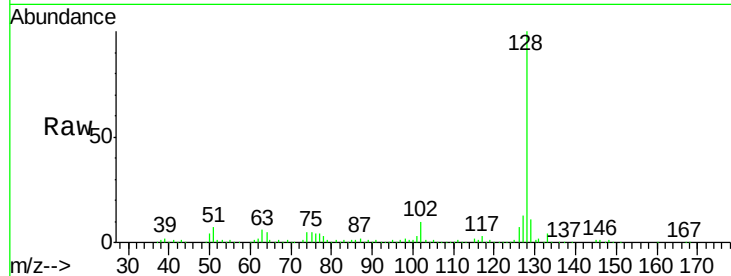
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#28
Naphthalene
Concen: 10.84 ng/ul
RT: 10.65 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

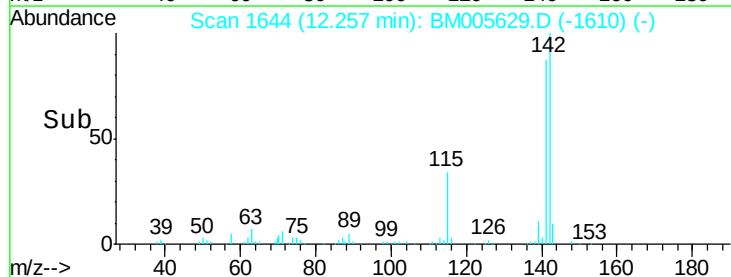
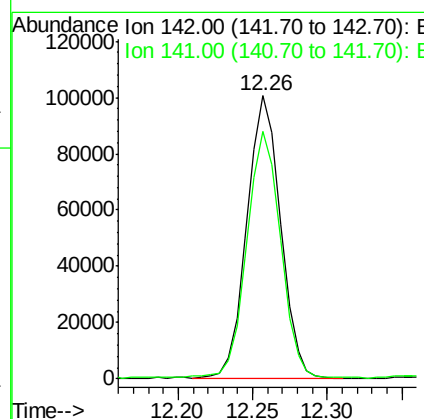
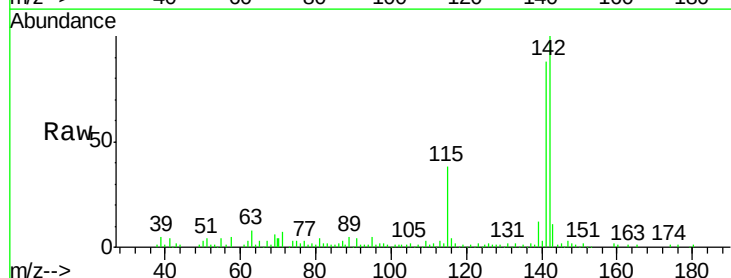
Instrument :
BNA_M
ClientSampleId :
JHGL2RE

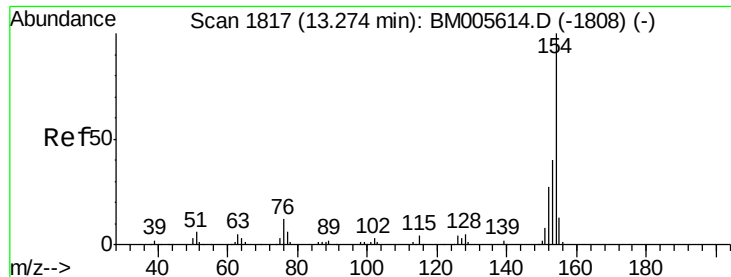
Tgt Ion:128 Resp: 526814
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.1 10.6 15.8



#34
2-Methylnaphthalene
Concen: 4.38 ng/ul
RT: 12.26 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion:142 Resp: 155843
Ion Ratio Lower Upper
142 100
141 87.6 70.6 106.0

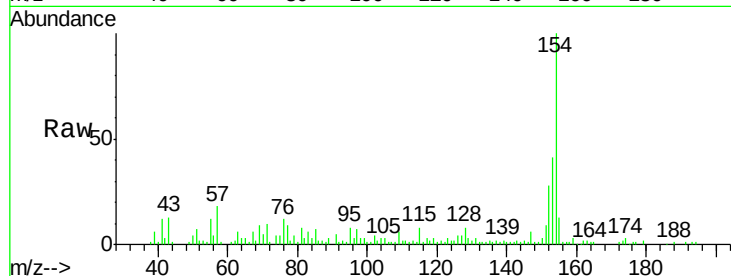




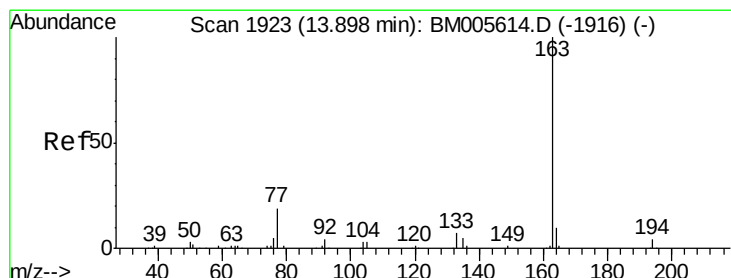
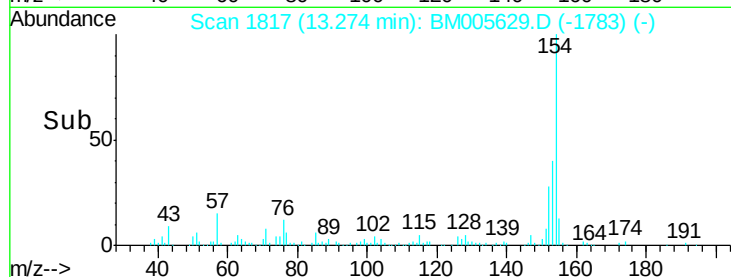
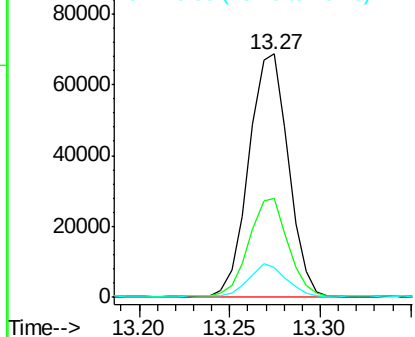
#40
 1,1'-Biphenyl
 Concen: 2.65 ng/ul
 RT: 13.27 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

Instrument :
 BNA_M
 ClientSampleId :
 JHGL2RE

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	31.7	47.5
76	12.4	10.1	15.1

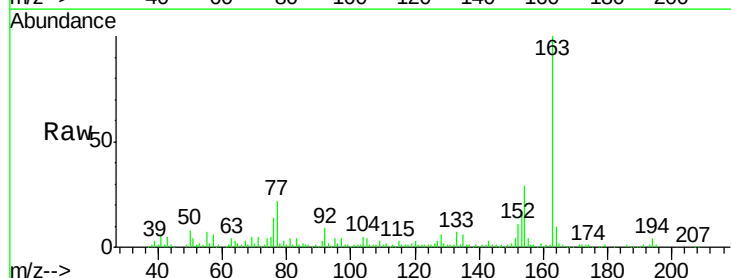


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

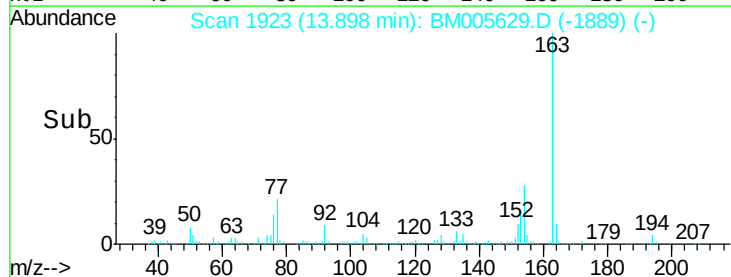
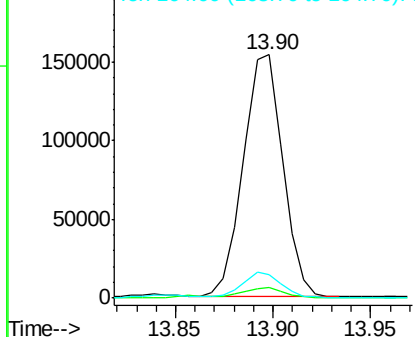


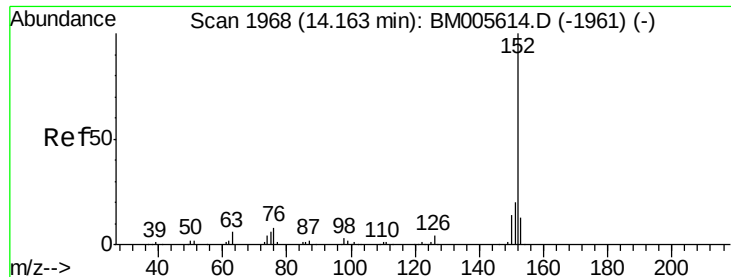
#44
 Dimethylphthalate
 Concen: 5.73 ng/ul
 RT: 13.90 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	9.9	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 15.97 ng/ul

RT: 14.16 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

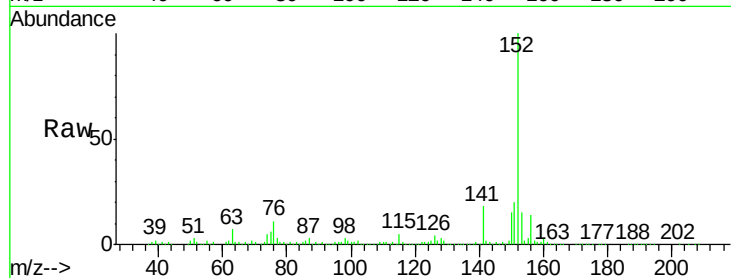
Tgt Ion:152 Resp: 777466

Ion Ratio Lower Upper

152 100

151 20.4 15.7 23.5

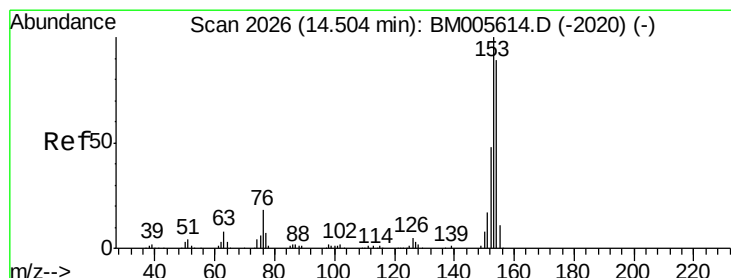
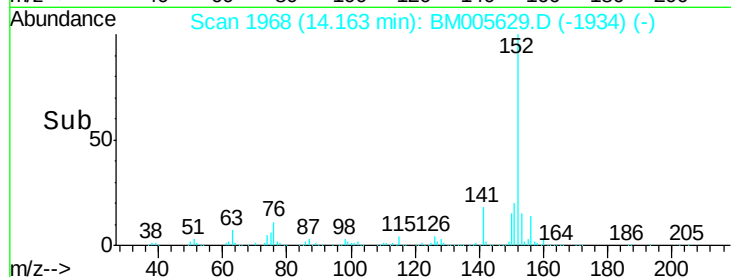
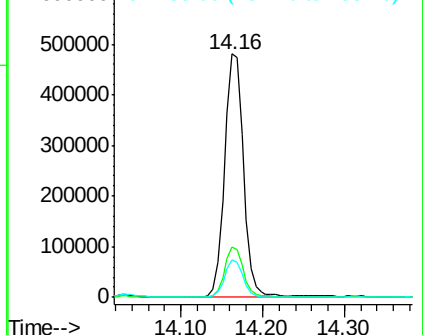
153 15.4 10.5 15.7



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: 5.79 ng/ul

RT: 14.50 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

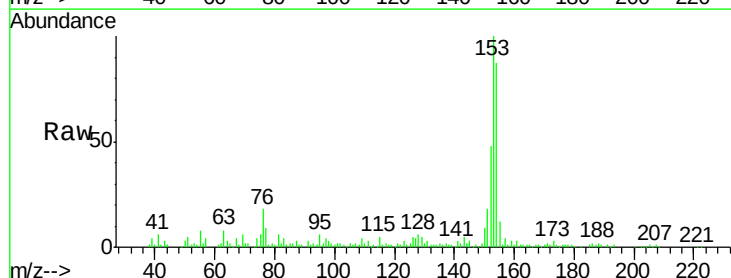
Tgt Ion:153 Resp: 185867

Ion Ratio Lower Upper

153 100

152 47.9 37.8 56.6

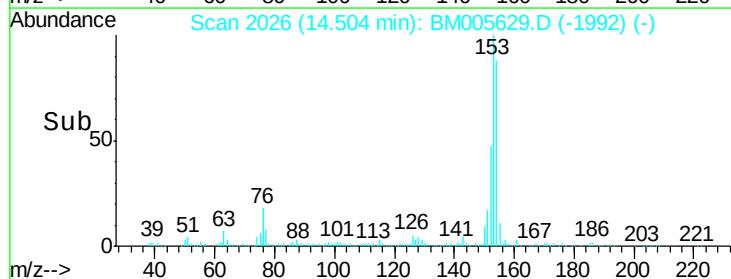
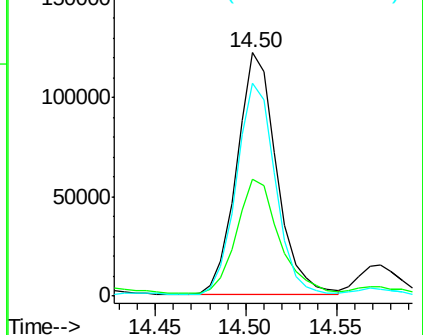
154 87.2 71.1 106.7

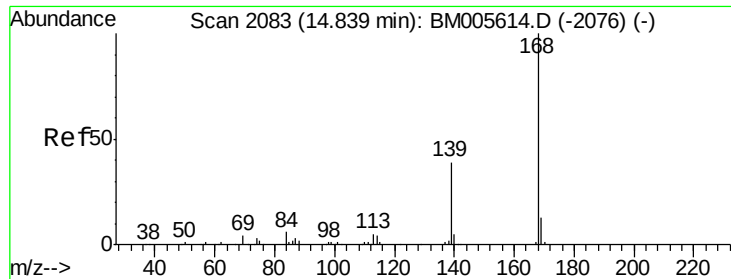


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 5.51 ng/ul

RT: 14.84 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

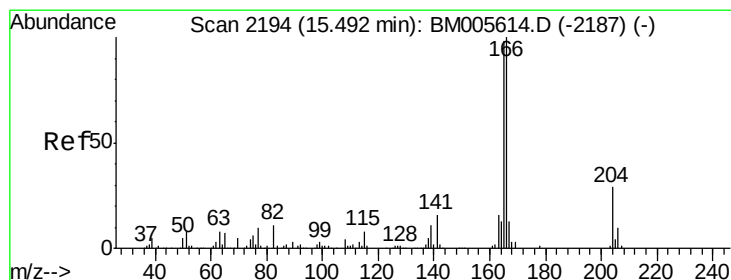
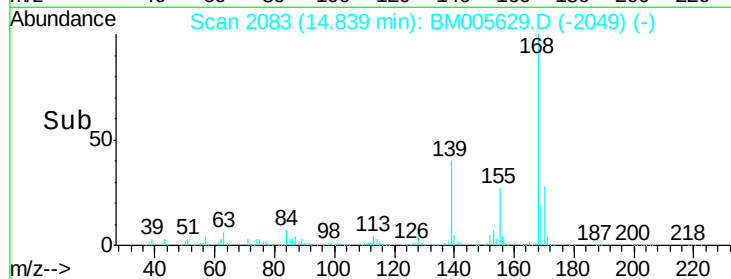
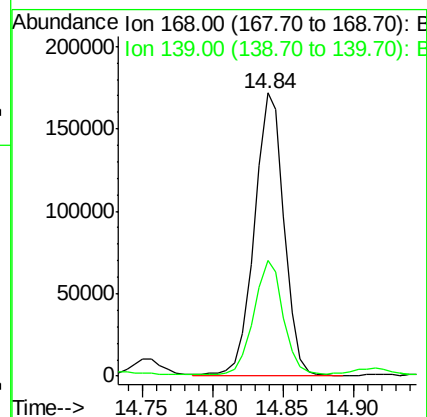
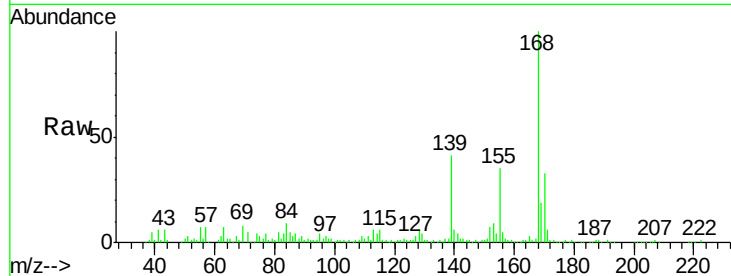
JHGL2RE

Tgt Ion:168 Resp: 252375

Ion Ratio Lower Upper

168 100

139 40.7 30.6 46.0



#58

Fluorene

Concen: 15.27 ng/ul

RT: 15.49 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

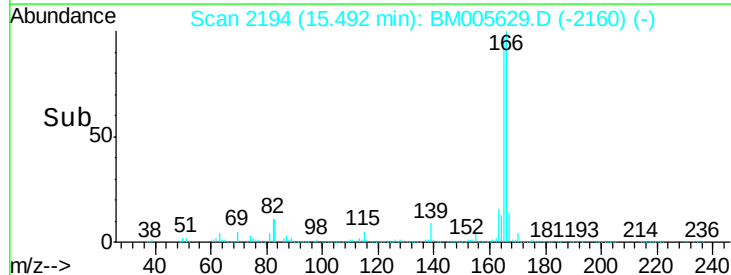
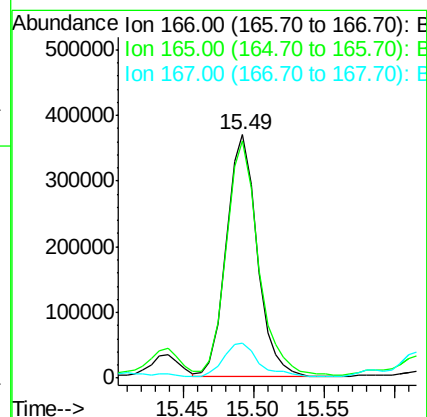
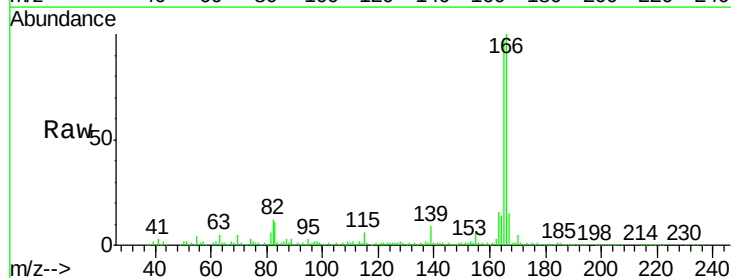
Tgt Ion:166 Resp: 559932

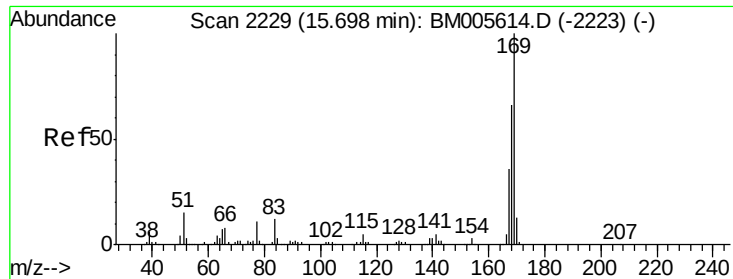
Ion Ratio Lower Upper

166 100

165 97.6 78.0 117.0

167 14.5 10.5 15.7





#64

N-Nitrosodiphenylamine

Concen: 1.57 ng/ul

RT: 15.70 min Scan# 2230

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

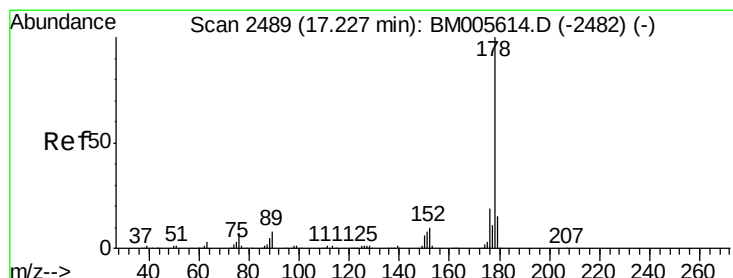
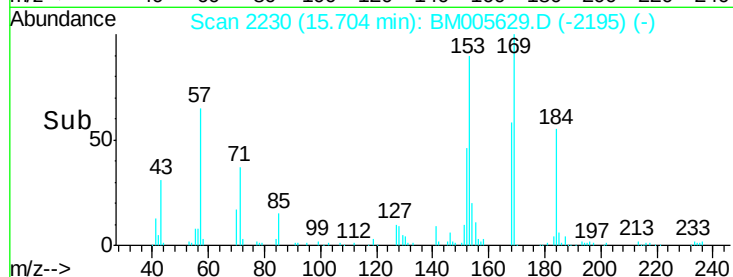
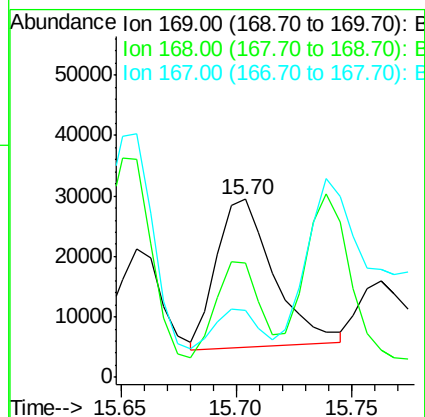
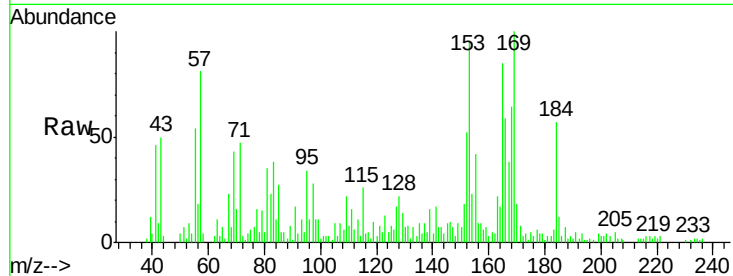
Tgt Ion:169 Resp: 42617

Ion Ratio Lower Upper

169 100

168 64.3 53.2 79.8

167 37.7 28.9 43.3



#69

Phenanthrene

Concen: 86.49 ng/ul

RT: 17.23 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

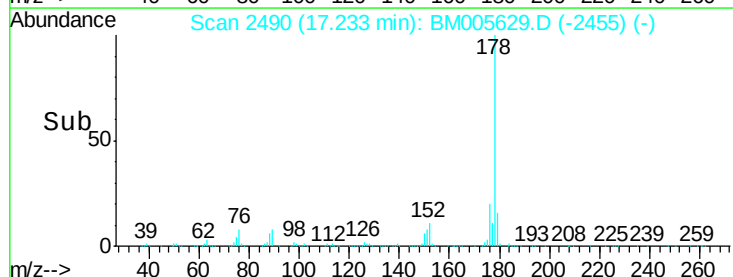
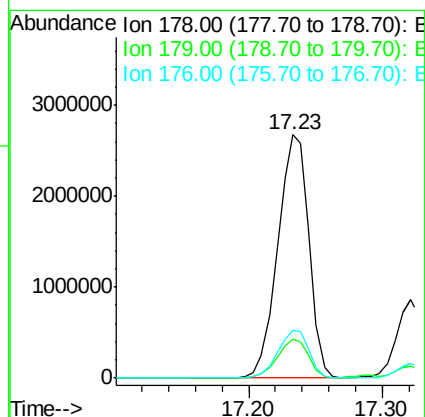
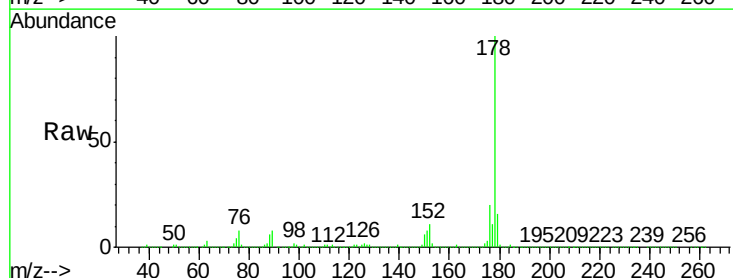
Tgt Ion:178 Resp: 4333879

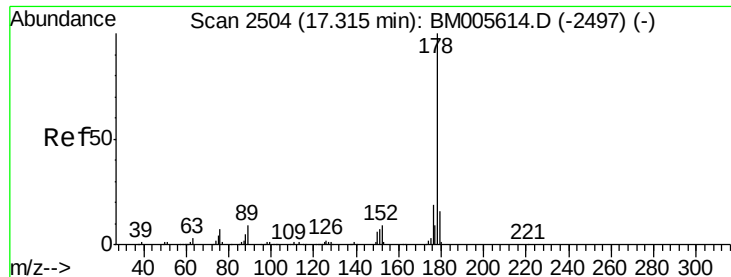
Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

176 19.7 15.8 23.6

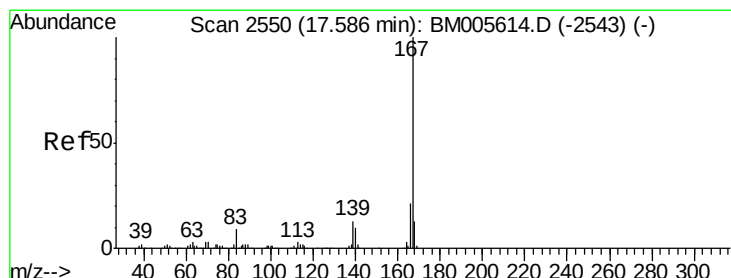
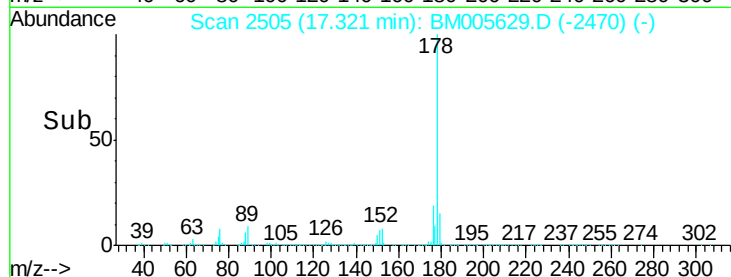
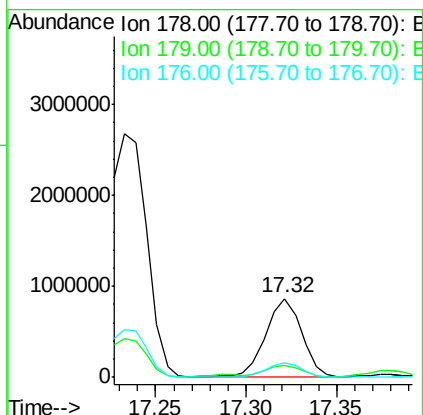
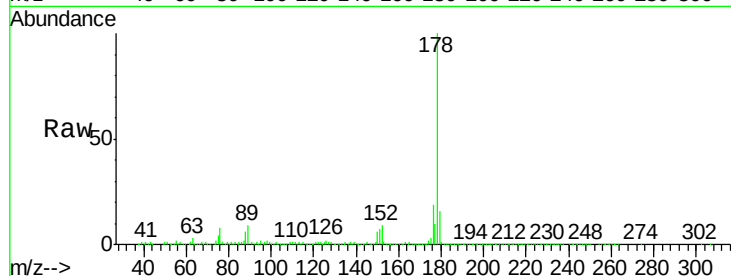




#71
 Anthracene
 Concen: 23.38 ng/ul
 RT: 17.32 min Scan# 2505
 Delta R.T. 0.01 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

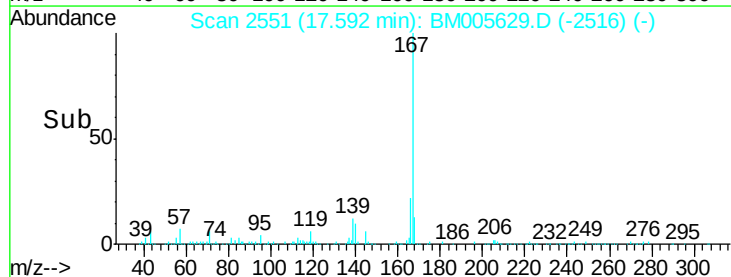
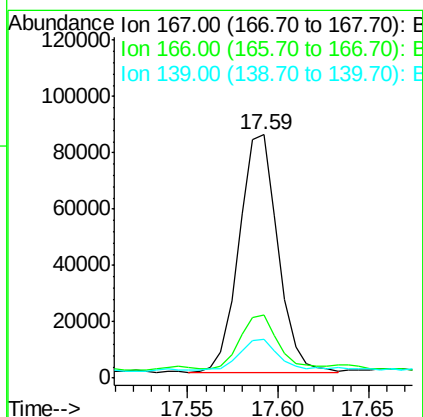
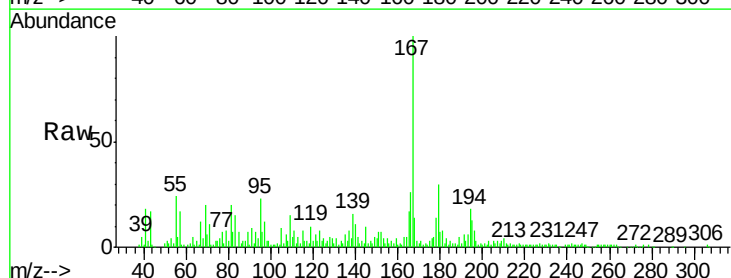
Instrument :
 BNA_M
 ClientSampleId :
 JHGL2RE

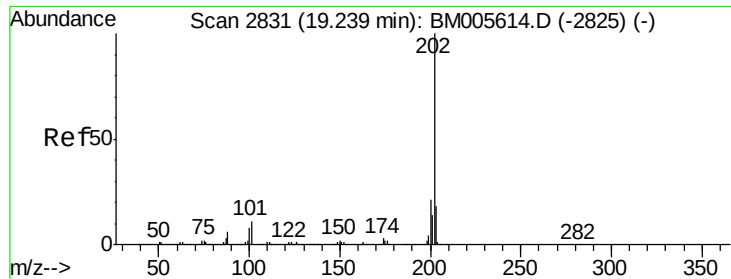
Tgt Ion:178 Resp: 1193880
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.6 18.8
 176 18.7 15.0 22.4



#72
 Carbazole
 Concen: 2.82 ng/ul
 RT: 17.59 min Scan# 2551
 Delta R.T. 0.01 min
 Lab File: BM005629.D
 Acq: 24 May 2016 03:41

Tgt Ion:167 Resp: 125091
 Ion Ratio Lower Upper
 167 100
 166 25.7 16.9 25.3#
 139 16.0 10.6 16.0#





#74

Fluoranthene

Concen: 88.84 ng/ul

RT: 19.25 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

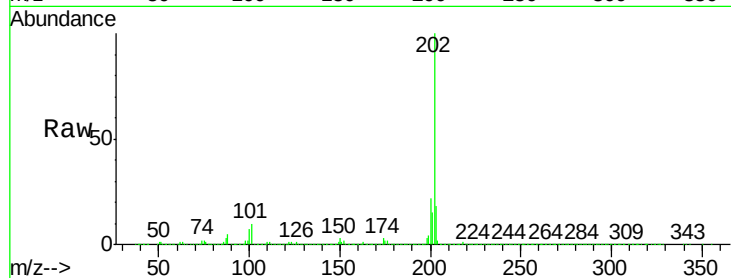
Tgt Ion:202 Resp: 5010763

Ion Ratio Lower Upper

202 100

101 10.1 7.9 11.9

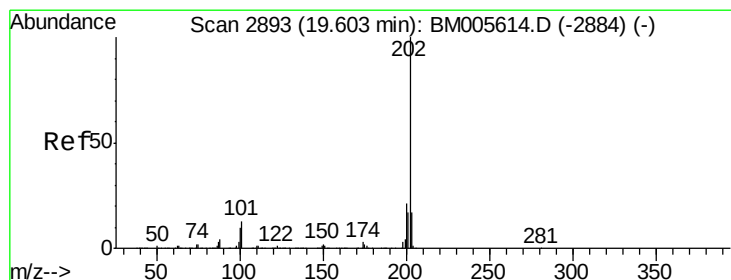
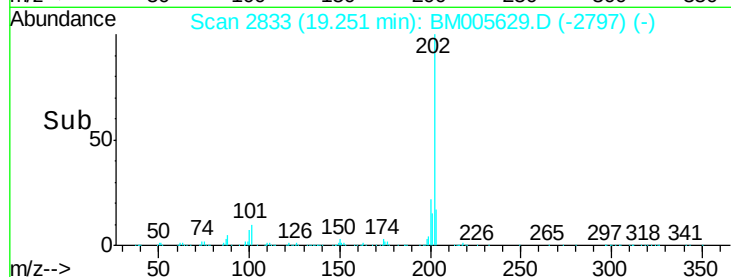
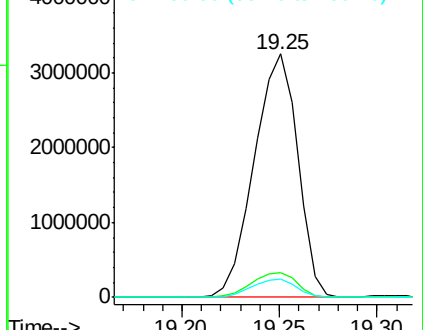
100 7.3 5.6 8.4



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: 118.18 ng/ul

RT: 19.62 min Scan# 2895

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

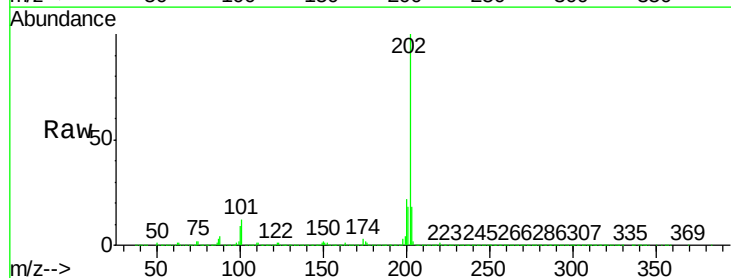
Tgt Ion:202 Resp: 5340526

Ion Ratio Lower Upper

202 100

101 11.7 9.6 14.4

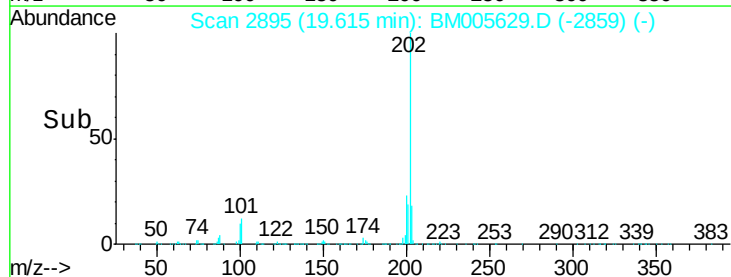
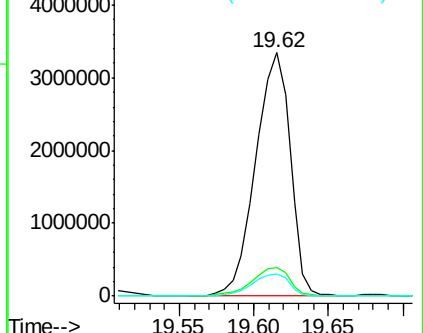
100 9.2 7.8 11.6

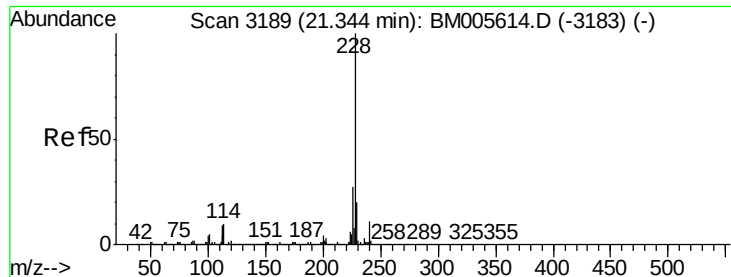


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 42.64 ng/ul

RT: 21.40 min Scan# 3199

Delta R.T. 0.06 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

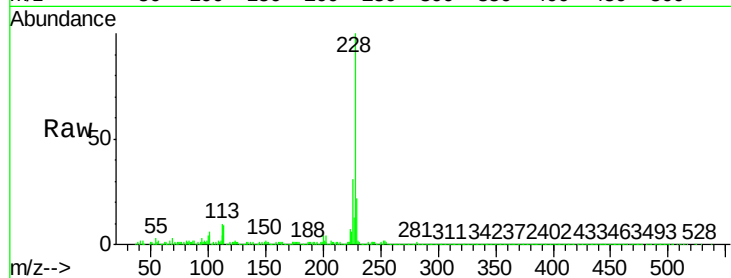
Tgt Ion:228 Resp: 1970016

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.2

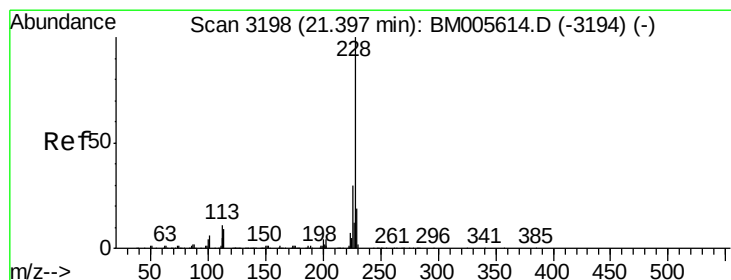
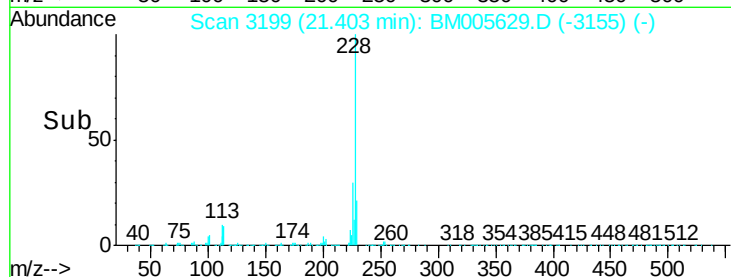
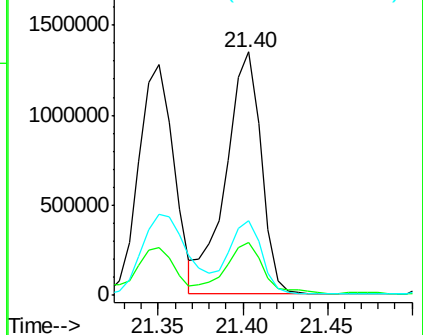
226 30.9 21.0 31.4



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: 44.81 ng/ul

RT: 21.40 min Scan# 3199

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

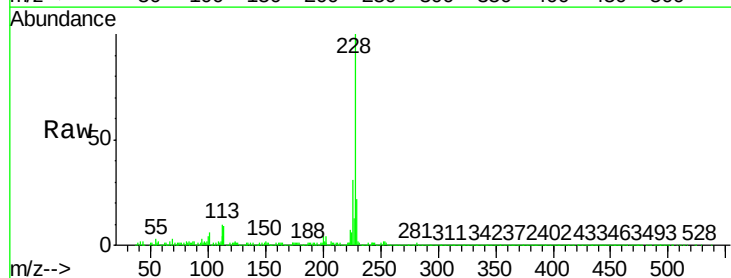
Tgt Ion:228 Resp: 1970016

Ion Ratio Lower Upper

228 100

226 30.9 23.7 35.5

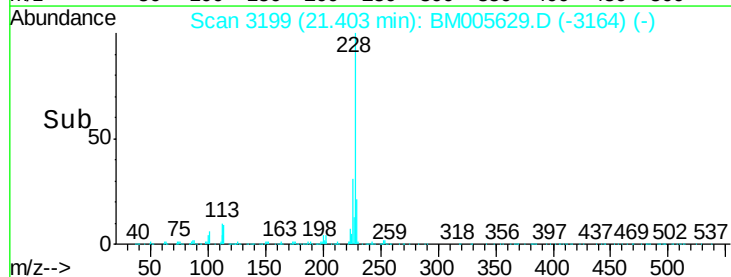
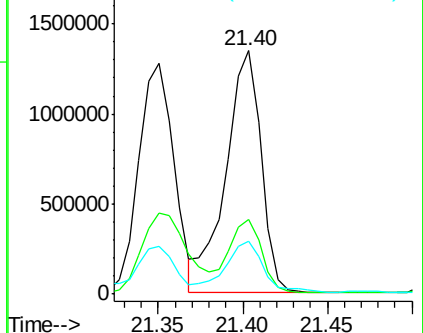
229 21.6 15.5 23.3

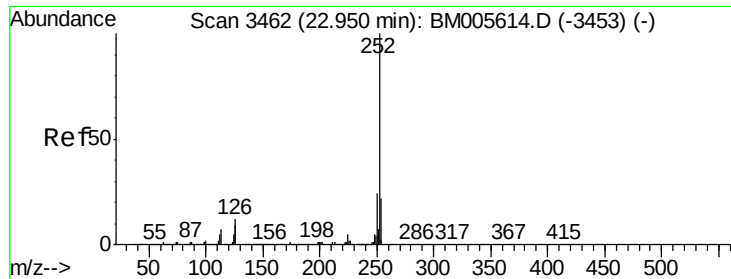


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

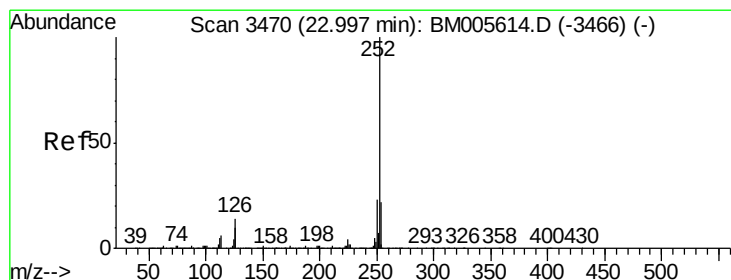
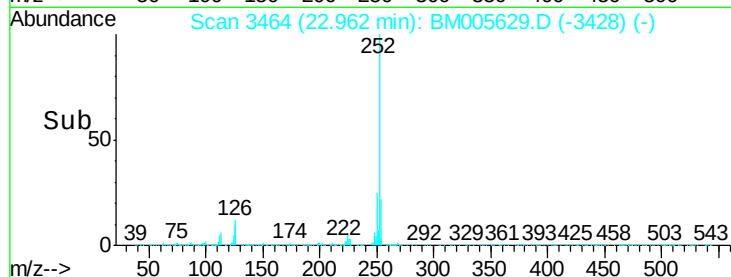
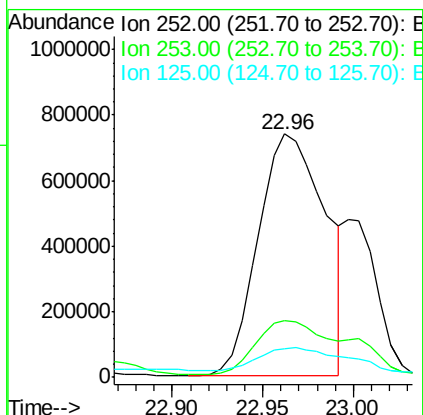
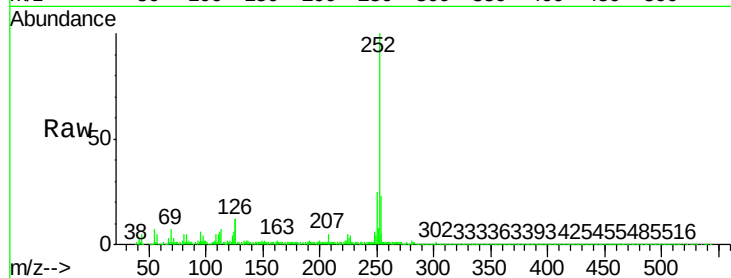




#85
Benzo(b)fluoranthene
Concen: 37.34 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

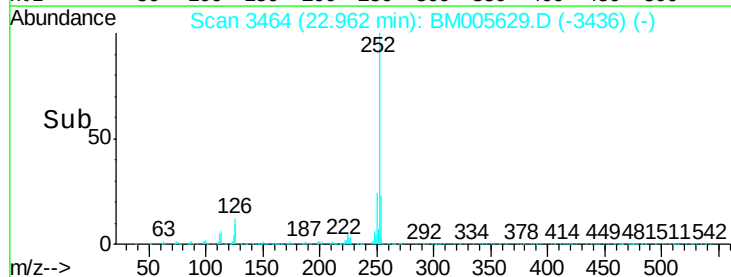
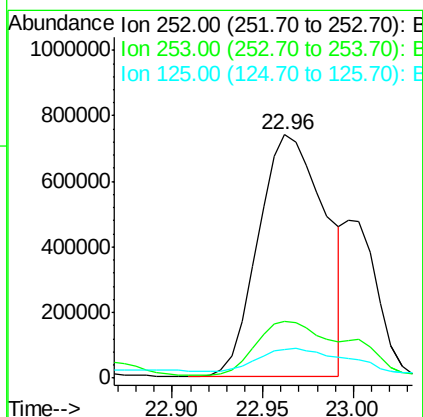
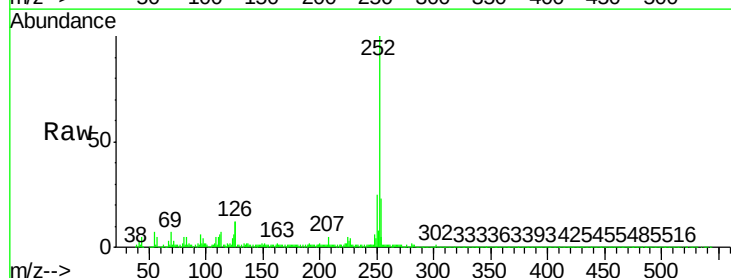
Instrument :
BNA_M
ClientSampleId :
JHGL2RE

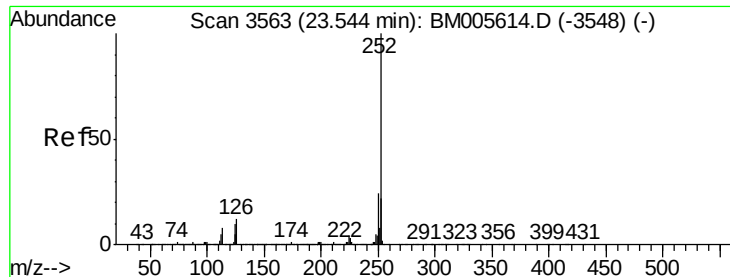
Tgt Ion:252 Resp: 1897985
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 11.8 7.0 10.4#



#86
Benzo(k)fluoranthene
Concen: 39.45 ng/ul
RT: 22.96 min Scan# 3464
Delta R.T. -0.04 min
Lab File: BM005629.D
Acq: 24 May 2016 03:41

Tgt Ion:252 Resp: 1897985
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.8 7.0 10.6#





#88

Benzo(a)pyrene

Concen: 37.82 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

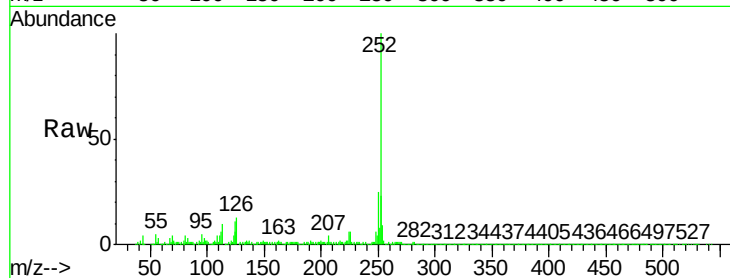
Tgt Ion:252 Resp: 1864688

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

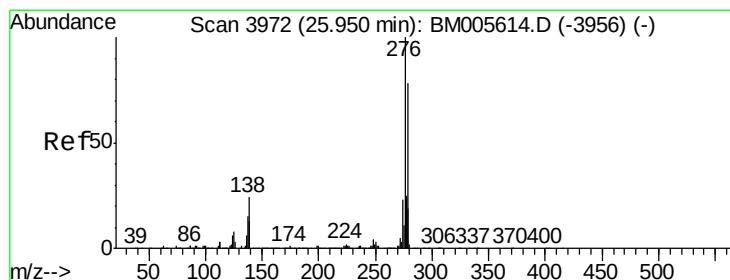
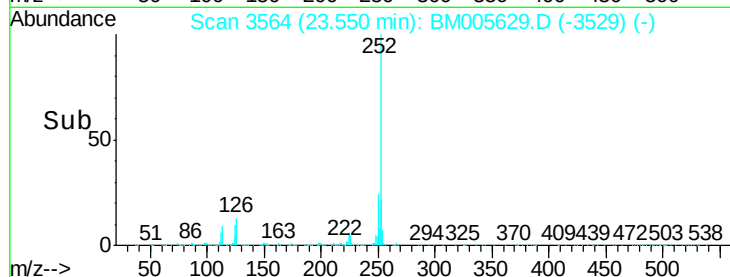
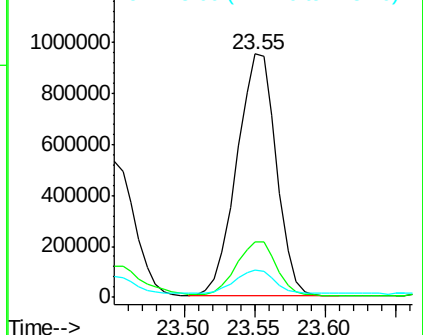
125 11.3 7.6 11.4



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 18.36 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

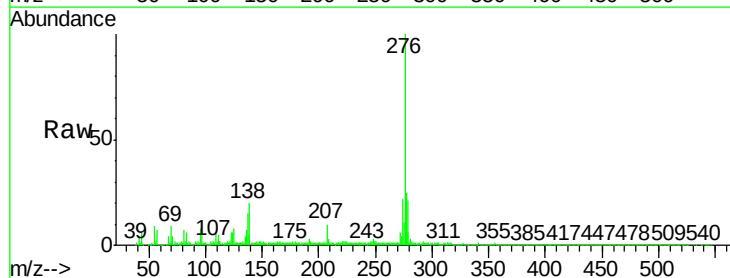
Tgt Ion:276 Resp: 1075144

Ion Ratio Lower Upper

276 100

138 19.8 16.9 25.3

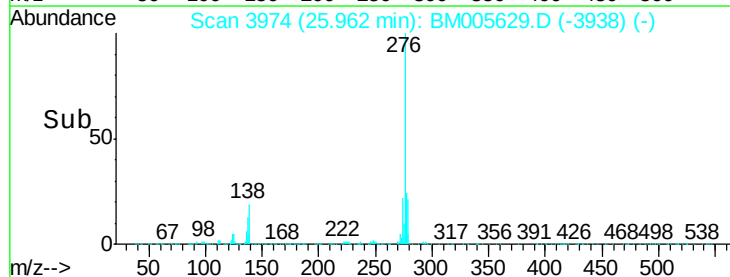
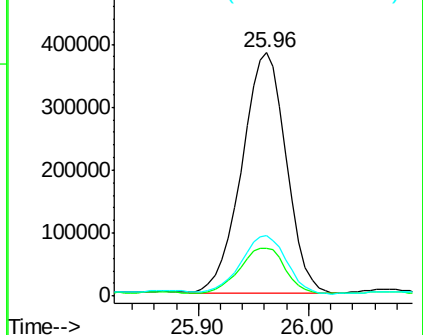
277 24.9 20.2 30.4

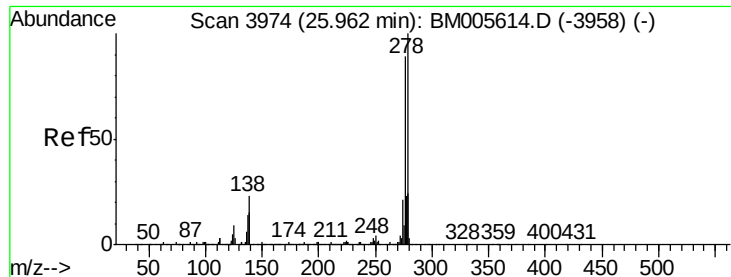


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.20 ng/ul

RT: 25.96 min Scan# 3974

Delta R.T. 0.00 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

Instrument :

BNA_M

ClientSampleId :

JHGL2RE

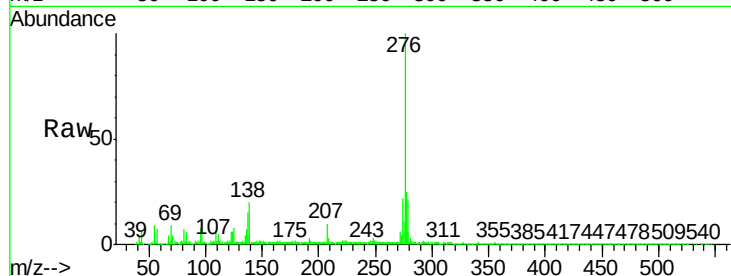
Tgt Ion:278 Resp: 253817

Ion Ratio Lower Upper

278 100

139 24.3 11.8 17.6#

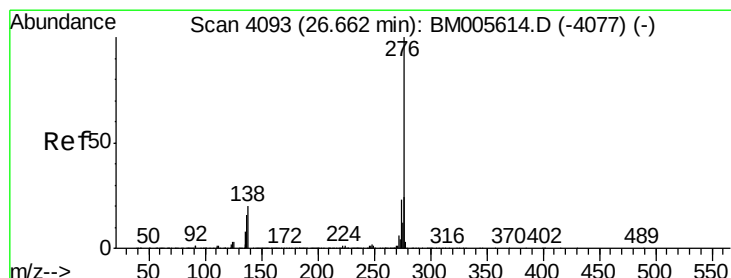
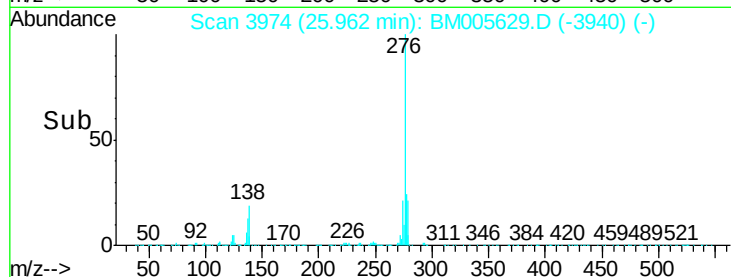
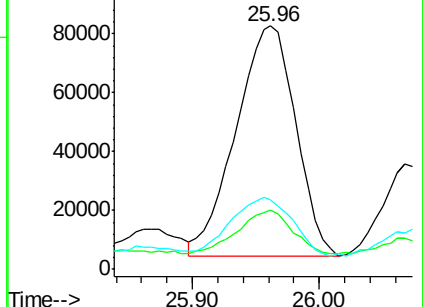
279 28.4 19.4 29.2



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



#91

Benzo(g,h,i)perylene

Concen: 21.72 ng/ul

RT: 26.67 min Scan# 4095

Delta R.T. 0.01 min

Lab File: BM005629.D

Acq: 24 May 2016 03:41

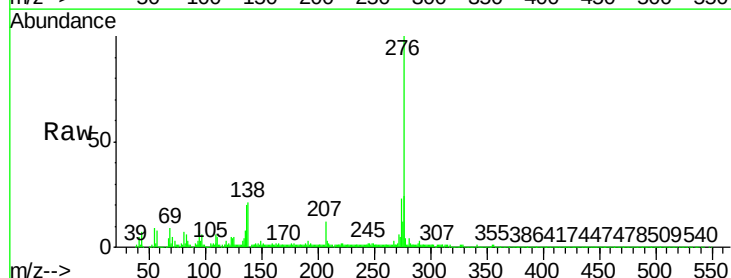
Tgt Ion:276 Resp: 1069547

Ion Ratio Lower Upper

276 100

138 21.1 15.0 22.6

277 24.4 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

