

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061120\
 Data File : BG045735.D
 Acq On : 12 Jun 2020 00:21
 Operator : CG/JU
 Sample : L2973-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212

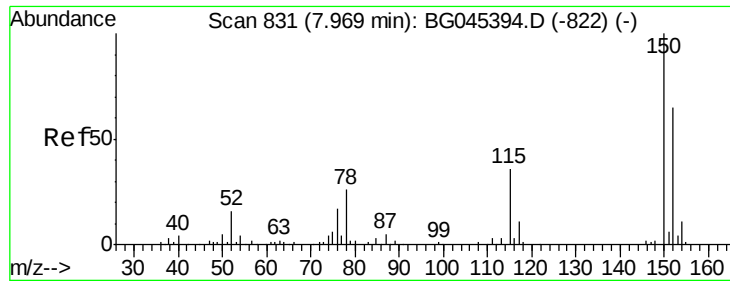
Quant Time: Jun 12 02:33:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	70441	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	282952	20.00	ng	-0.01
39) Acenaphthene-d10	14.58	164	189069	20.00	ng	-0.01
64) Phenanthrene-d10	17.33	188	396626	20.00	ng	-0.01
76) Chrysene-d12	21.59	240	354758	20.00	ng	-0.01
87) Perylene-d12	24.74	264	402179	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	19522	5.42	ng	0.00
7) Phenol-d6	7.13	99	140628	27.41	ng	-0.02
23) Nitrobenzene-d5	9.10	82	158783	30.60	ng	-0.01
42) 2,4,6-Tribromophenol	16.10	330	1014	0.42	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	373498	33.51	ng	0.00
79) Terphenyl-d14	19.95	244	534806	35.16	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.10	70	21426	6.040	ng	# 83
50) Dimethylphthalate	14.04	163	62917	4.851	ng	# 99
51) 2,6-Dinitrotoluene	14.58	165	23065	7.881	ng	# 23
54) 2,4-Dinitrophenol	15.02	184	69	5.492	ng	# 17
57) 2,4-Dinitrotoluene	14.58	165	23065	5.442	ng	# 23
75) Fluoranthene	19.39	202	188541	8.561	ng	98
78) Pyrene	19.75	202	347342	17.176	ng	98
81) Benzo(a)anthracene	21.64	228	213685	10.813	ng	96
83) Chrysene	21.64	228	213685	11.245	ng	99
86) Indeno(1,2,3-cd)pyrene	28.30	276	330822	13.313	ng	97
88) Benzo(b)fluoranthene	23.74	252	559718	25.950	ng	97
89) Benzo(k)fluoranthene	23.74	252	559718	27.621	ng	96
90) Benzo(a)pyrene	24.58	252	457030	22.751	ng	98
91) Dibenzo(a,h)anthracene	28.33	278	61293	3.036	ng	# 94
92) Benzo(a,h,i)perylene	29.41	276	432248	21.410	ng	97

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

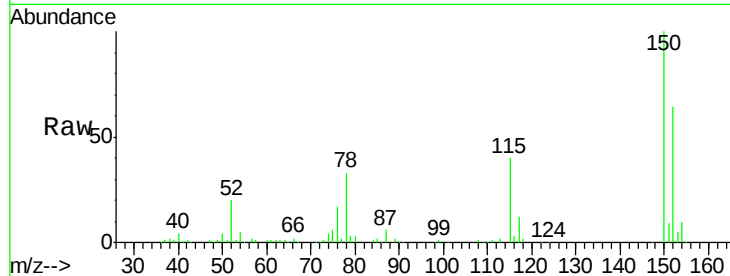


#1

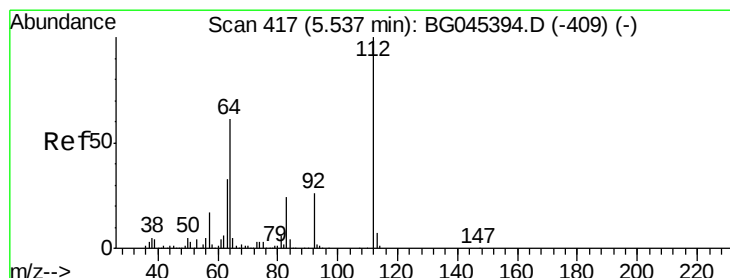
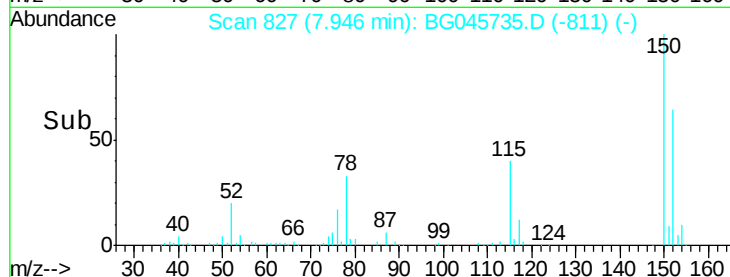
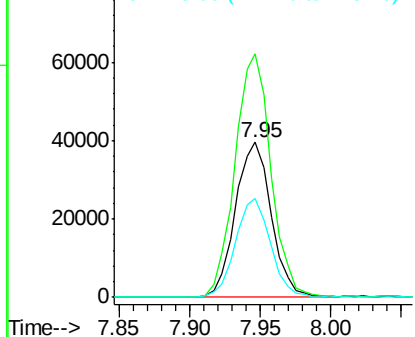
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045735.D
Acq: 12 Jun 2020 00:21

Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212

Tot Ion:152 Resp: 70441
Ion Ratio Lower Upper
152 100
150 157.1 122.4 183.6
115 63.5 44.2 66.4



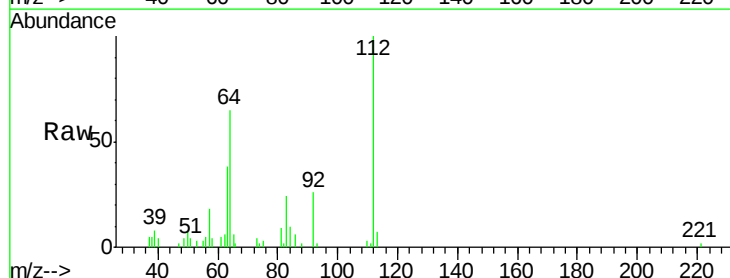
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



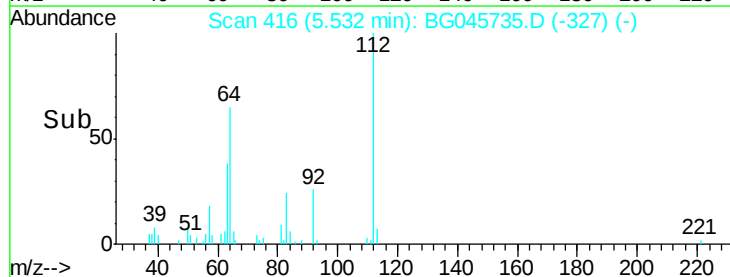
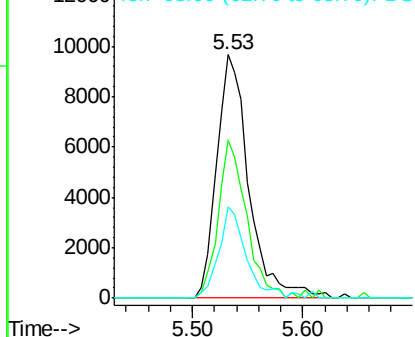
#5

2-Fluorophenol
Concen: 5.416 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045735.D
Acq: 12 Jun 2020 00:21

Tgt Ion:112 Resp: 19522
Ion Ratio Lower Upper
112 100
64 64.6 48.6 72.8
63 37.7 26.5 39.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 27.412 ng

RT: 7.13 min Scan# 688

Delta R.T. -0.02 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

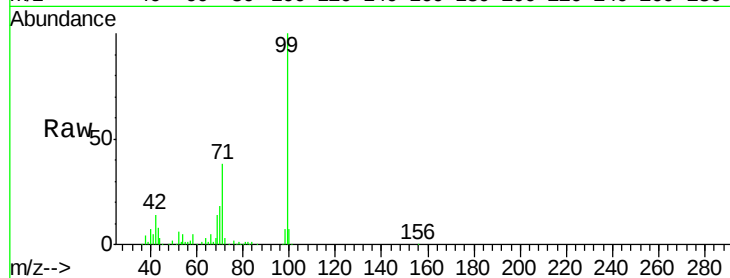
Tot Ion: 99 Resp: 140628

Ion Ratio Lower Upper

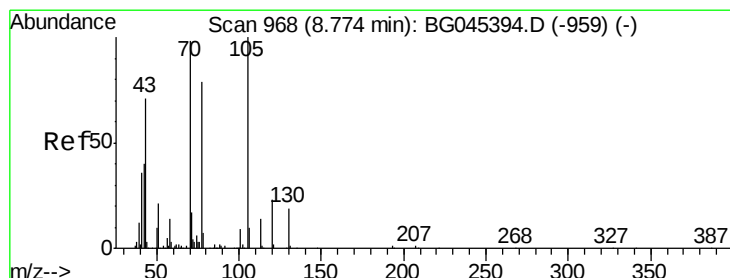
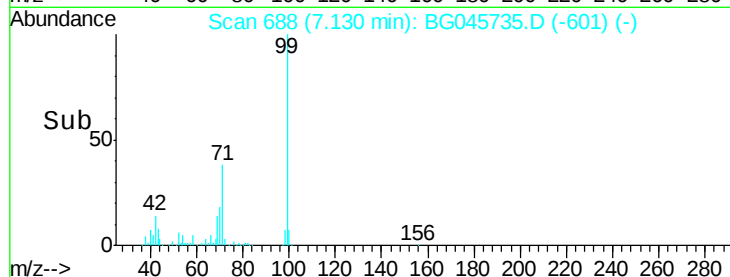
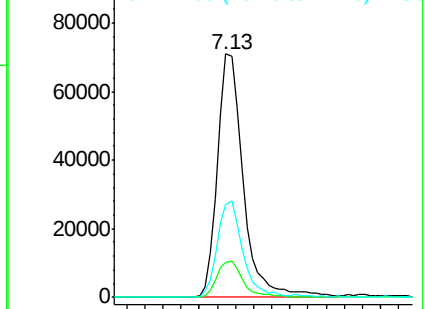
99 100

42 14.1 11.3 16.9

71 37.8 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 6.040 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Tgt Ion: 70 Resp: 21426

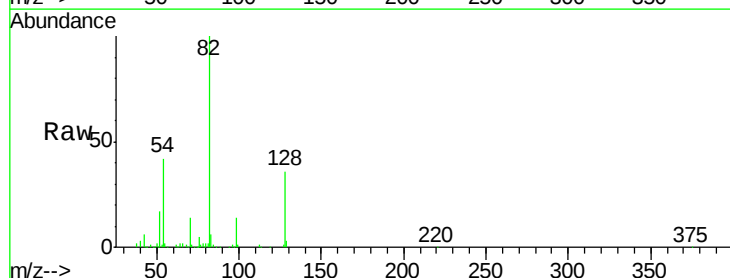
Ion Ratio Lower Upper

70 100

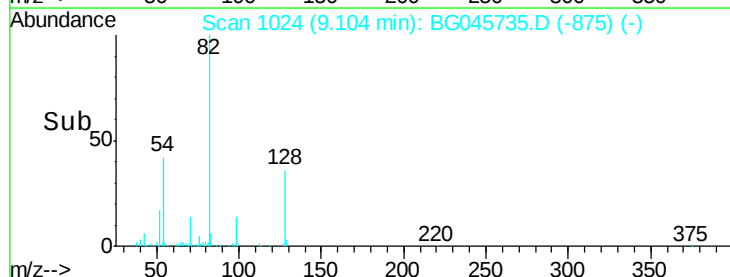
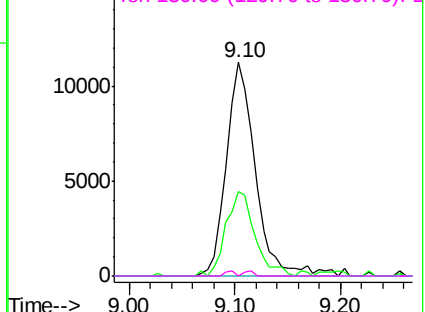
42 39.7 33.2 49.8

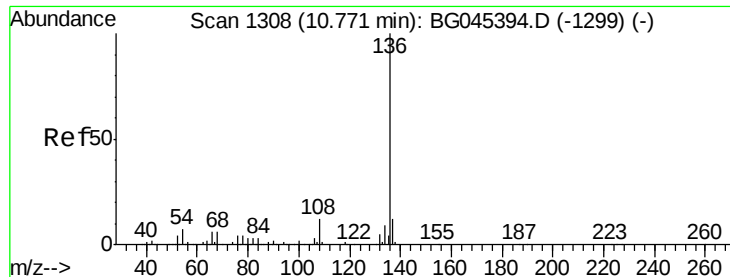
101 0.0 7.8 11.6#

130 0.0 15.4 23.2#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

Tot Ion:136 Resp: 282952

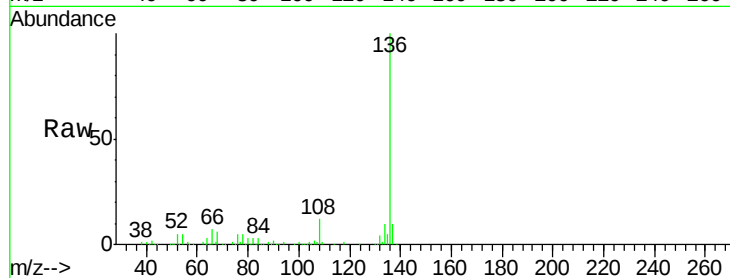
Ion Ratio Lower Upper

136 100

137 10.0 9.4 14.2

54 5.1 5.8 8.6#

68 6.0 4.5 6.7

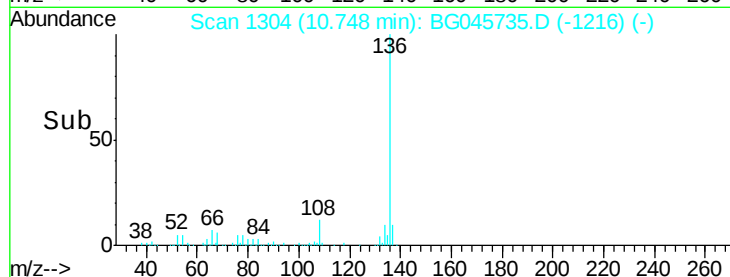


Abundance Ion 136.00 (135.70 to 136.70): E

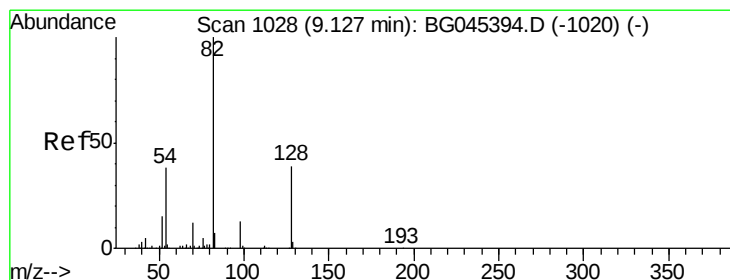
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->



#23

Nitrobenzene-d5

Concen: 30.601 ng

RT: 9.10 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

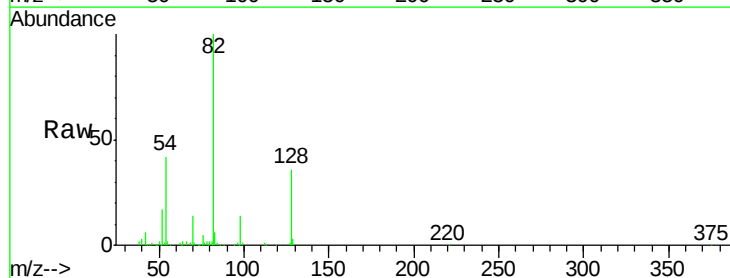
Tgt Ion: 82 Resp: 158783

Ion Ratio Lower Upper

82 100

128 35.9 30.9 46.3

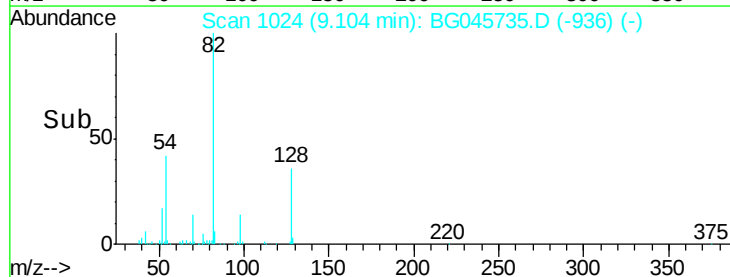
54 41.8 30.3 45.5



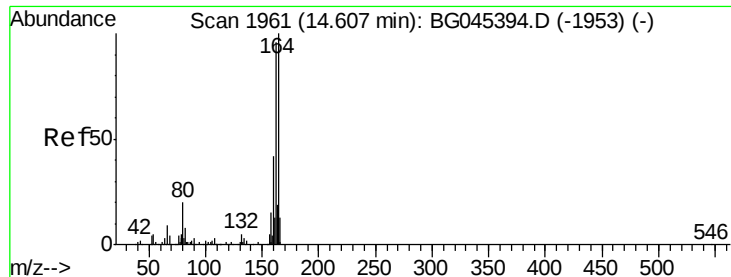
Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC



Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

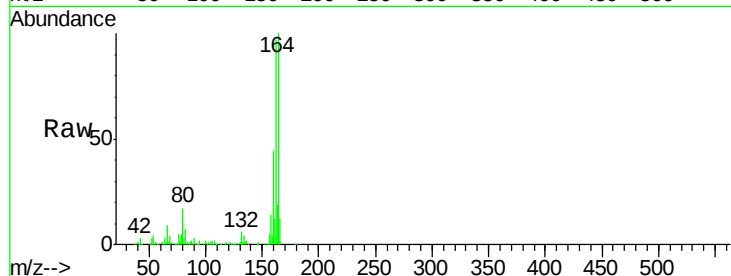
Tot Ion:164 Resp: 189069

Ion Ratio Lower Upper

164 100

162 96.7 76.9 115.3

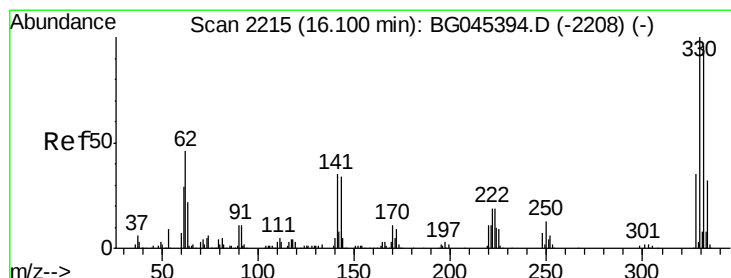
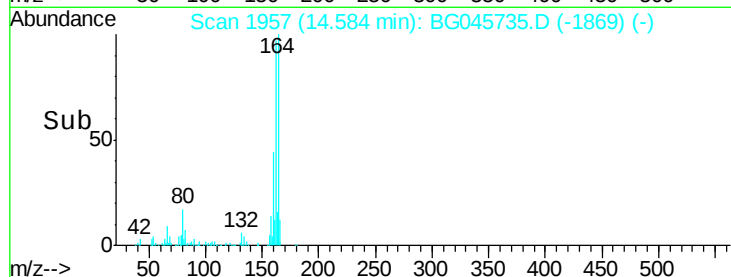
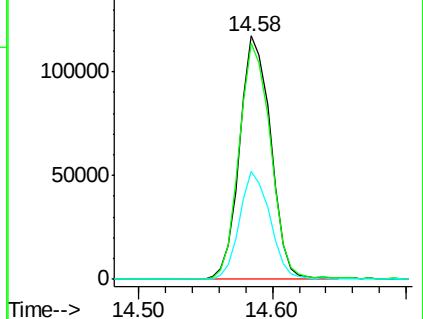
160 44.2 33.8 50.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 0.419 ng

RT: 16.10 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

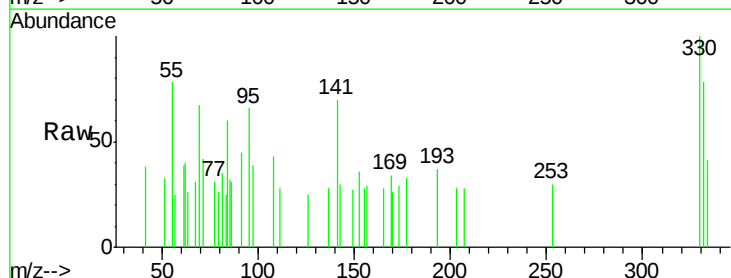
Tgt Ion:330 Resp: 1014

Ion Ratio Lower Upper

330 100

332 105.1 78.2 117.4

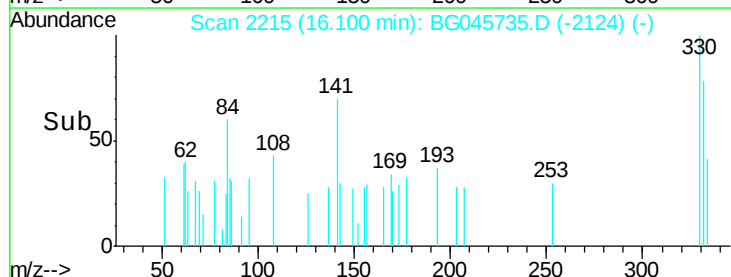
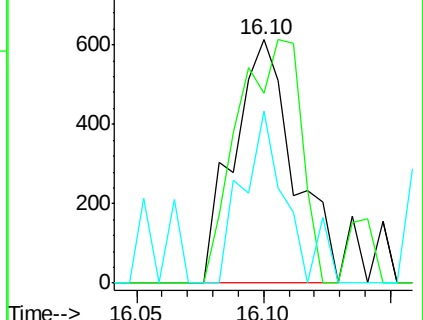
141 52.2 28.2 42.4#

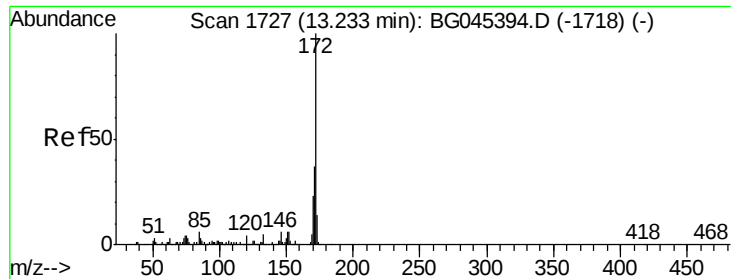


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

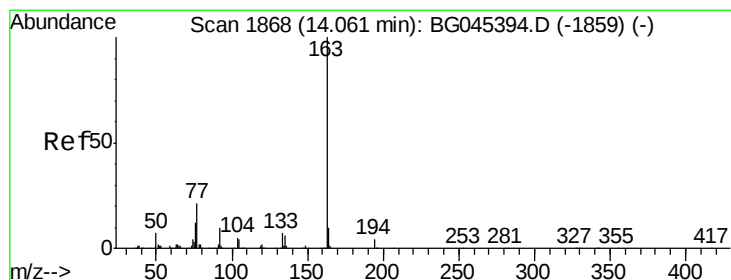
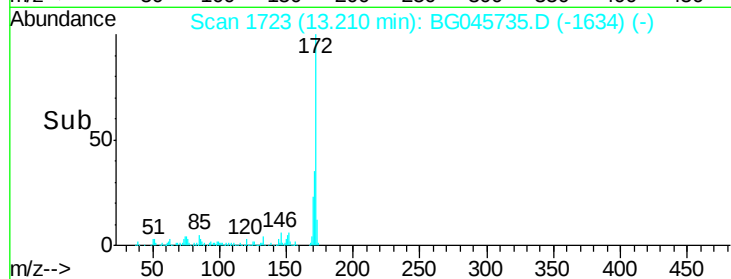
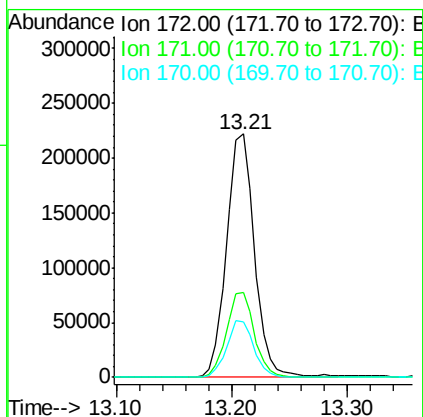
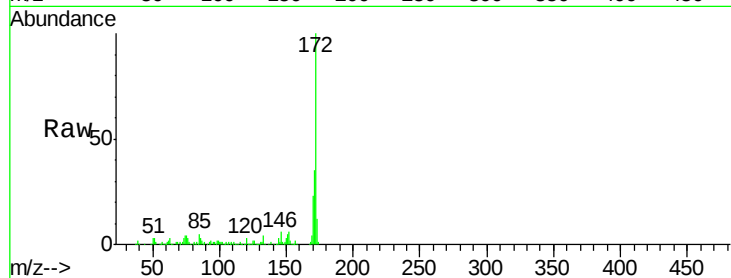




#45
2-Fluorobiphenyl
Concen: 33.508 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG045735.D
Acq: 12 Jun 2020 00:21

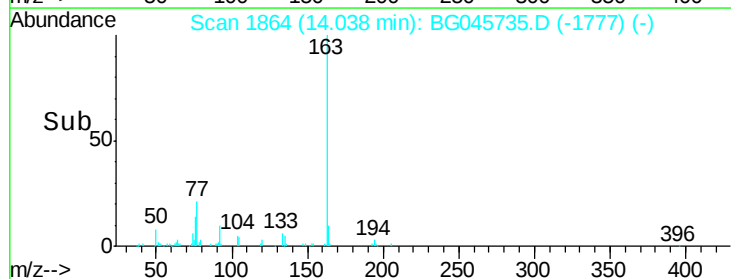
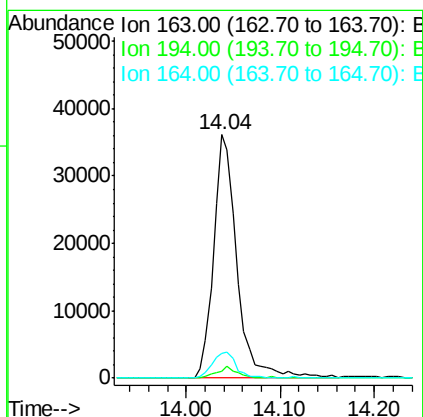
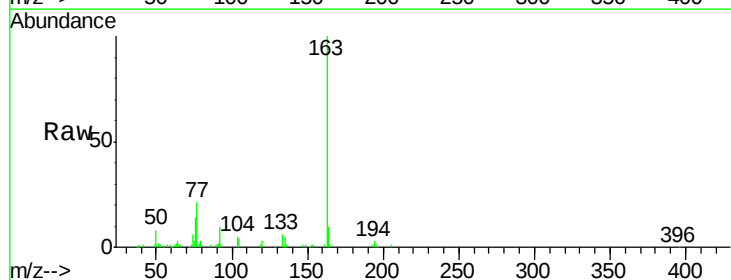
Instrument :
BNA_G
ClientSampleId :
RL-356-RL-212

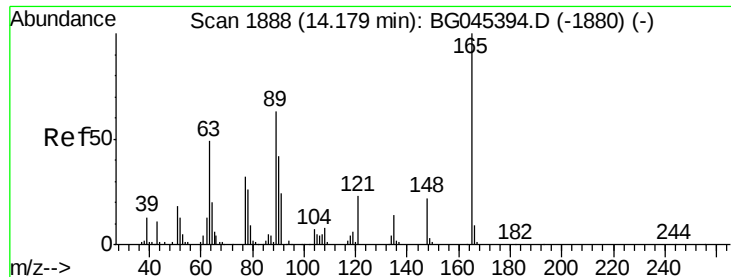
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.5	44.3
170	22.9	18.5	27.7



#50
Dimethylphthalate
Concen: 4.851 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BG045735.D
Acq: 12 Jun 2020 00:21

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	3.2	4.8#
164	10.3	8.3	12.5





#51

2,6-Dinitrotoluene

Concen: 7.881 ng

RT: 14.58 min Scan# 1957

Delta R.T. 0.42 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

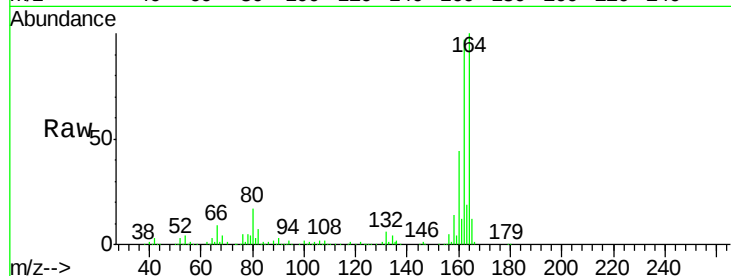
Tot Ion:165 Resp: 23065

Ion Ratio Lower Upper

165 100

63 2.0 45.0 67.4#

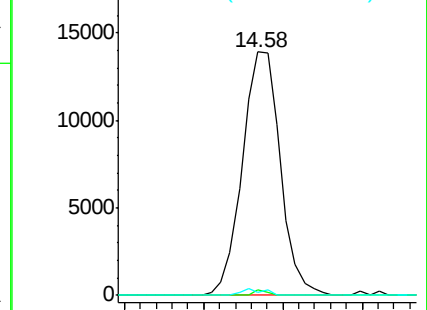
89 1.3 50.2 75.4#



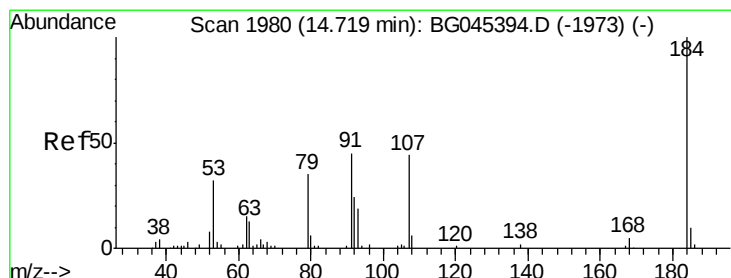
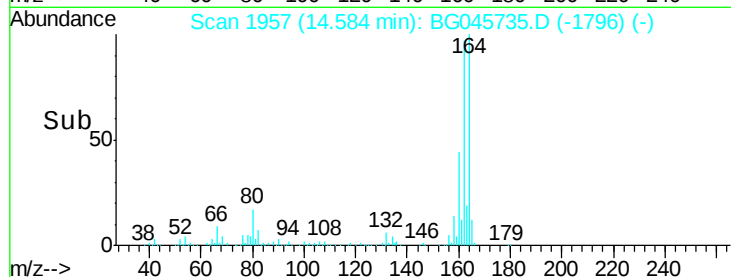
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



Time-->



#54

2,4-Dinitrophenol

Concen: 5.492 ng

RT: 15.02 min Scan# 2032

Delta R.T. 0.31 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

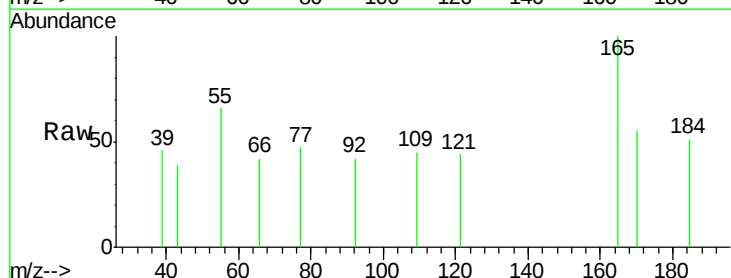
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

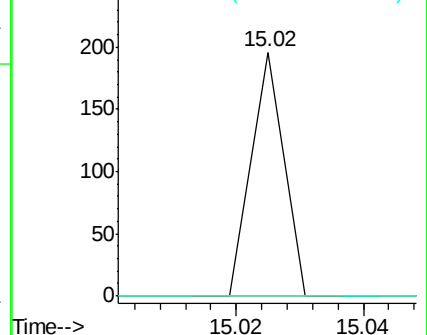
154 0.0 58.3 87.5#



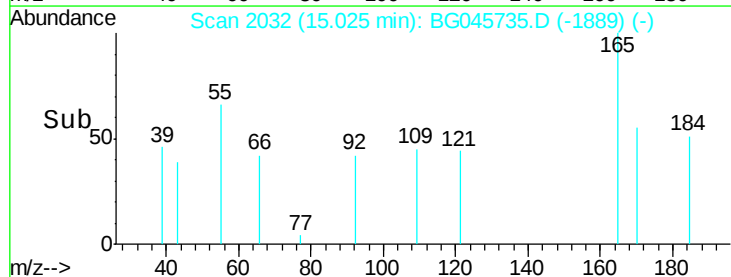
Abundance Ion 184.00 (183.70 to 184.70): E

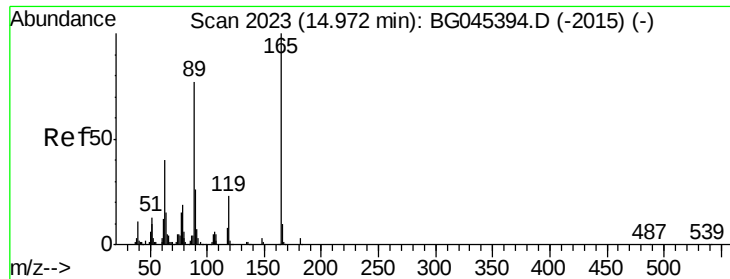
Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E



Time-->

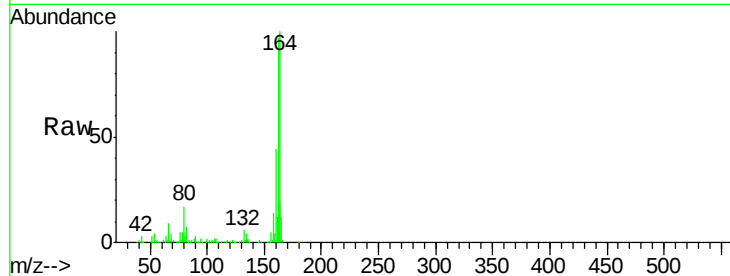




#57
 2,4-Dinitrotoluene
 Concen: 5.442 ng
 RT: 14.58 min Scan# 1957
 Delta R.T. -0.38 min
 Lab File: BG045735.D
 Acq: 12 Jun 2020 00:21

Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	32.5	48.7#
89	1.3	61.8	92.6#
182	0.0	2.3	3.5#

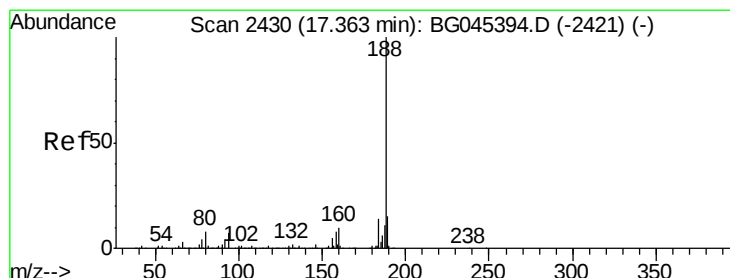
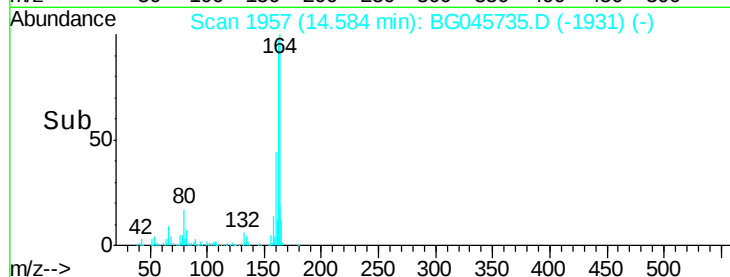
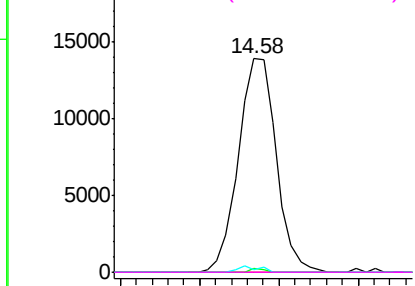


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

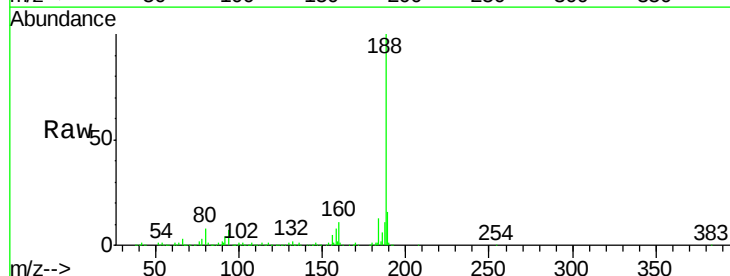
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.33 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BG045735.D
 Acq: 12 Jun 2020 00:21

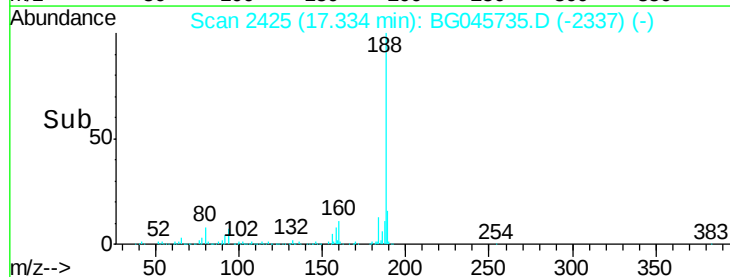
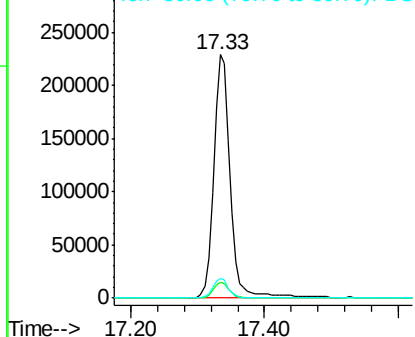
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.5	8.3
80	8.0	6.6	10.0

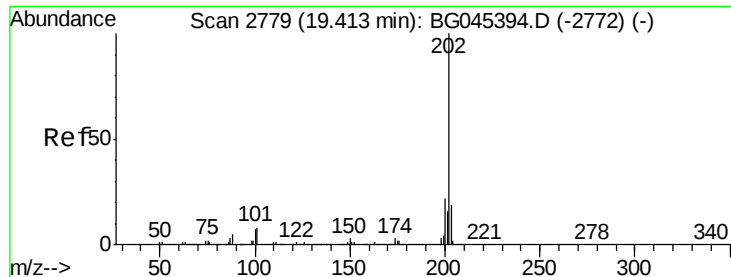


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Fluoranthene

Concen: 8.561 ng

RT: 19.39 min Scan# 2775

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

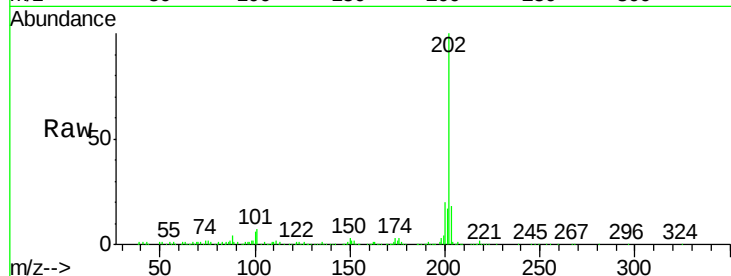
Tot Ion:202 Resp: 188541

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.3

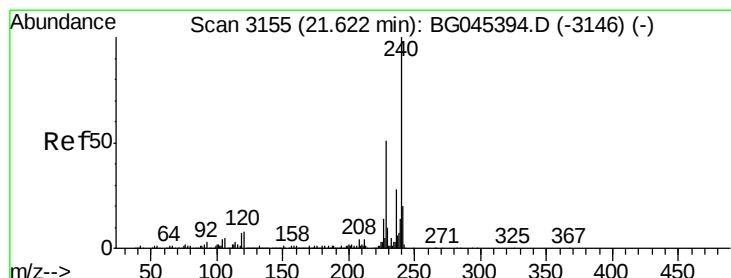
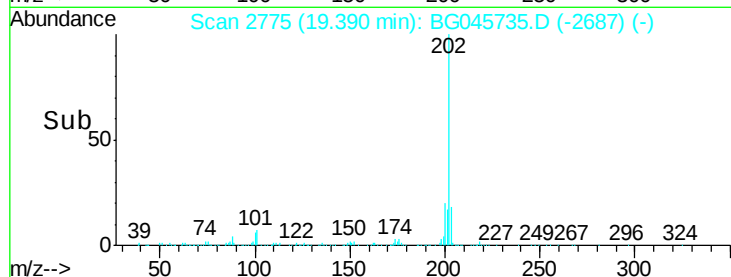
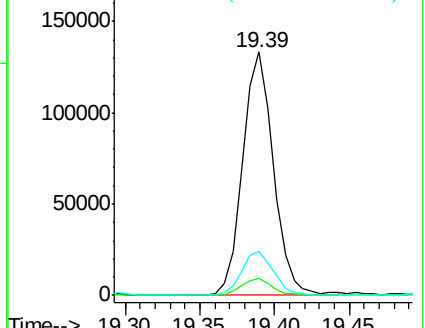
203 18.1 0.0 39.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.59 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

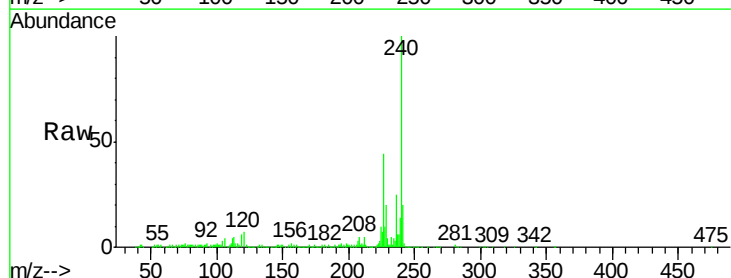
Tgt Ion:240 Resp: 354758

Ion Ratio Lower Upper

240 100

120 6.8 6.1 9.1

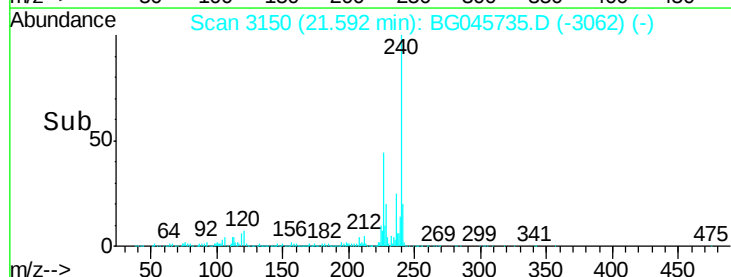
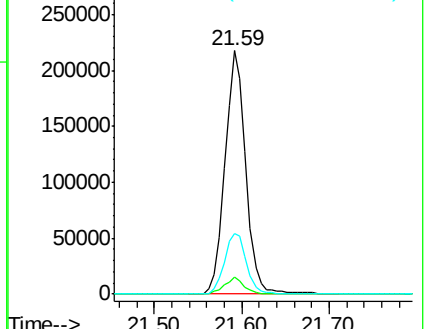
236 25.0 22.3 33.5

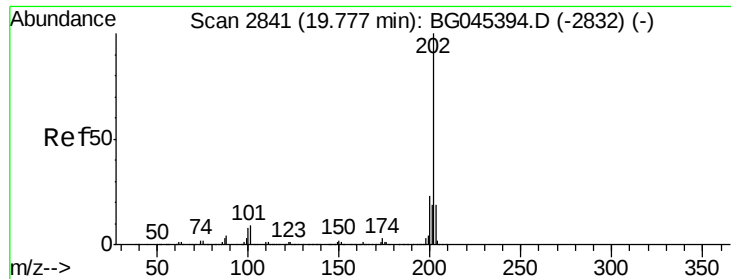


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 17.176 ng

RT: 19.75 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

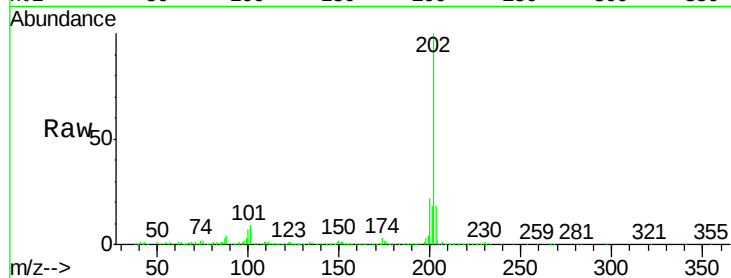
Tot Ion:202 Resp: 347342

Ion Ratio Lower Upper

202 100

200 21.6 18.2 27.2

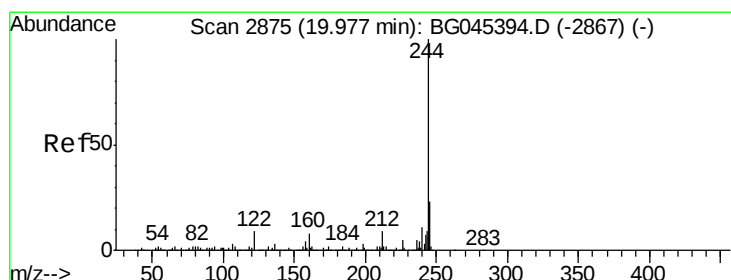
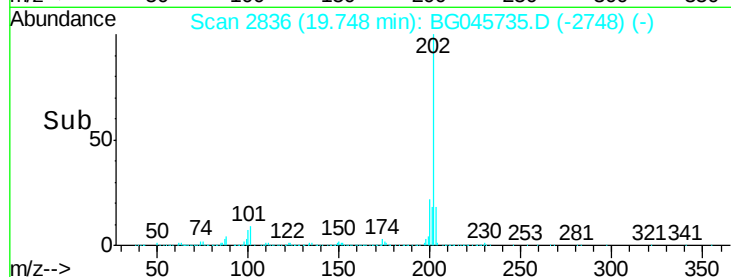
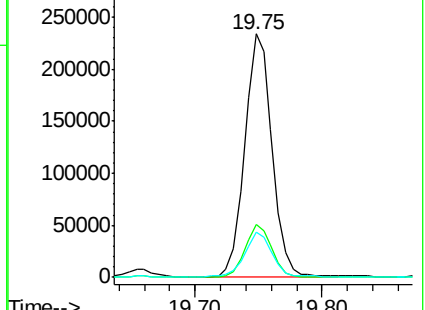
203 18.5 15.1 22.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 35.160 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

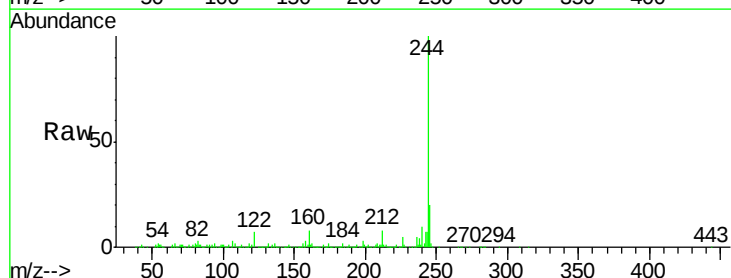
Tgt Ion:244 Resp: 534806

Ion Ratio Lower Upper

244 100

212 8.0 7.4 11.0

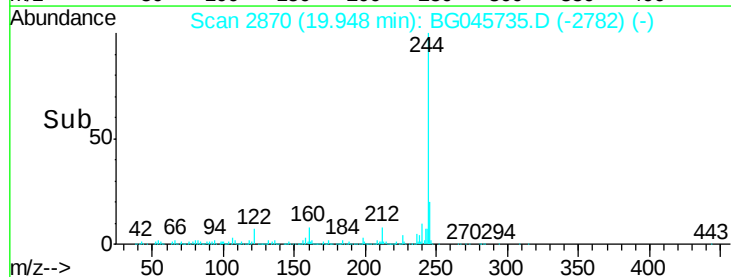
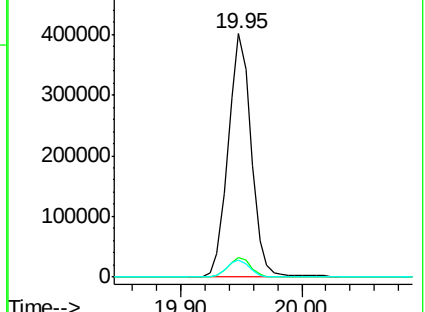
122 6.8 6.8 10.2

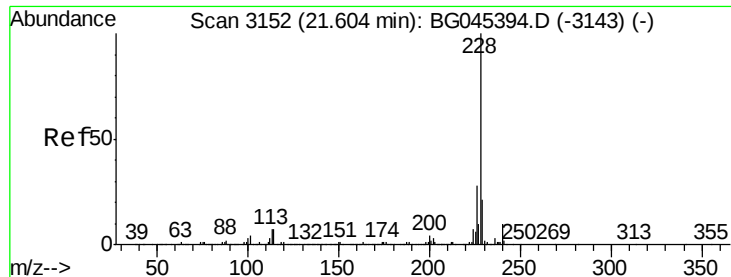


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.813 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.05 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

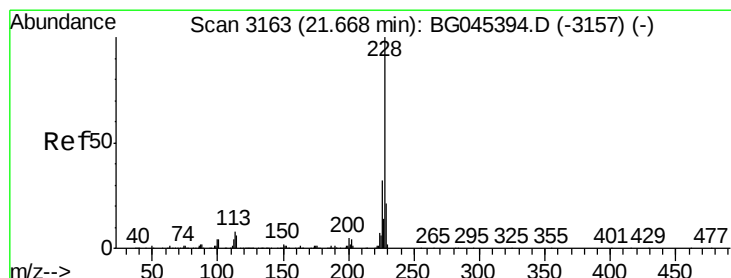
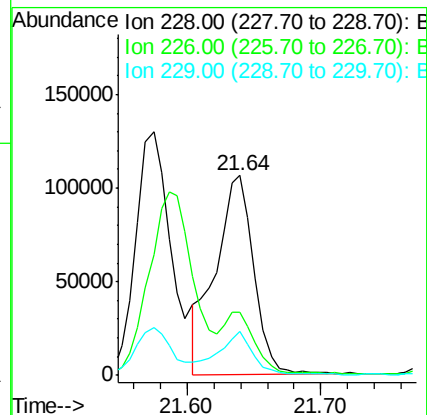
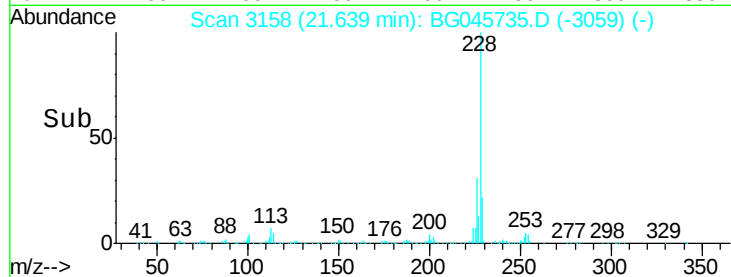
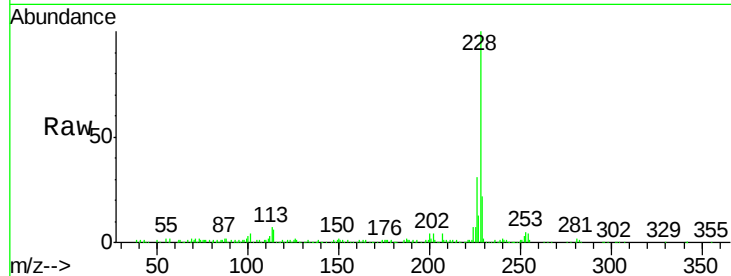
Tot Ion:228 Resp: 213685

Ion Ratio Lower Upper

228 100

226 31.5 22.7 34.1

229 21.7 16.7 25.1



#83

Chrysene

Concen: 11.245 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

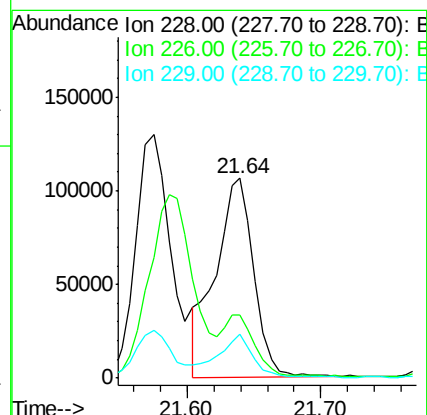
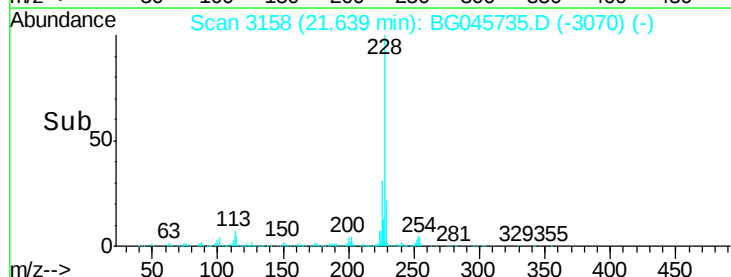
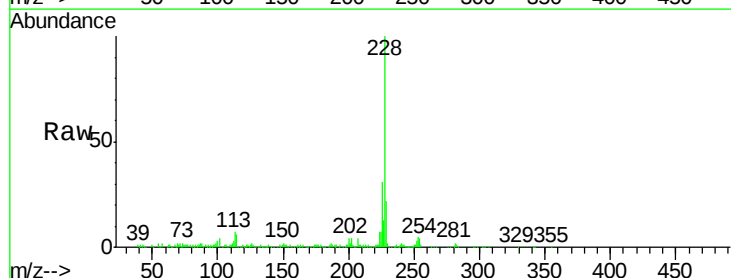
Tgt Ion:228 Resp: 213685

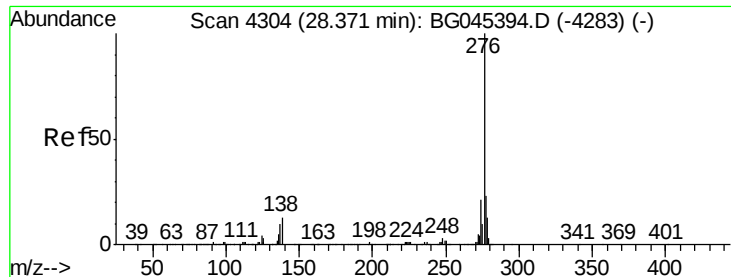
Ion Ratio Lower Upper

228 100

226 31.5 25.2 37.8

229 21.7 16.7 25.1

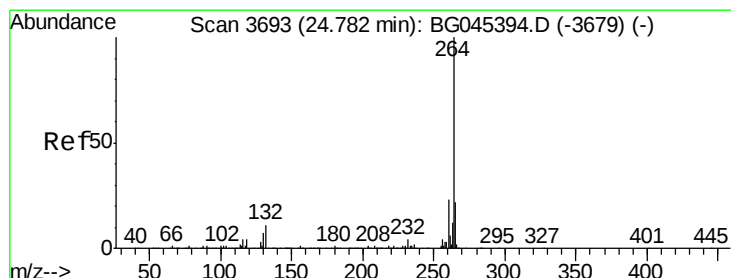
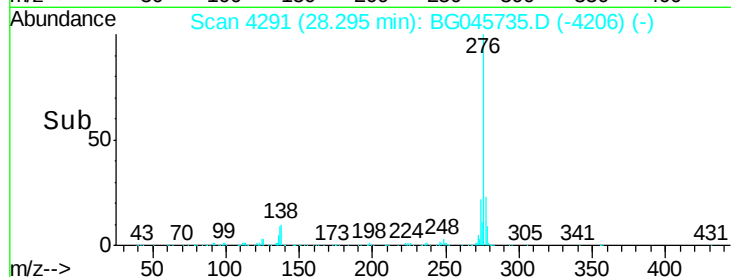
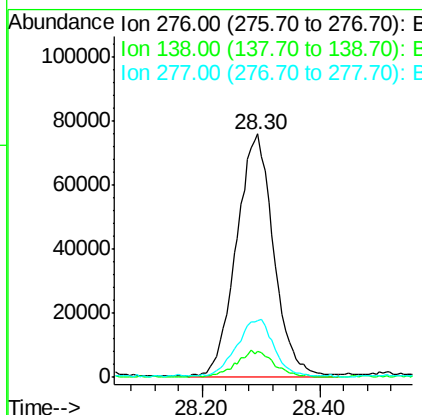
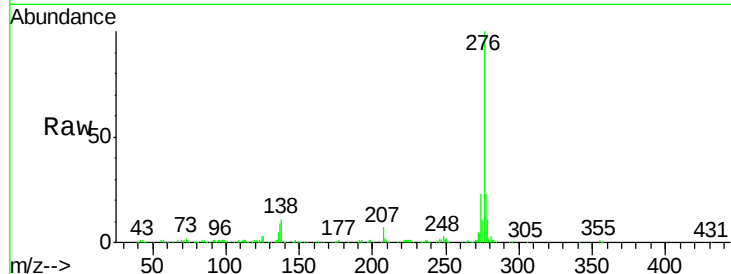




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.313 ng
 RT: 28.30 min Scan# 4291
 Delta R.T. -0.03 min
 Lab File: BG045735.D
 Acq: 12 Jun 2020 00:21

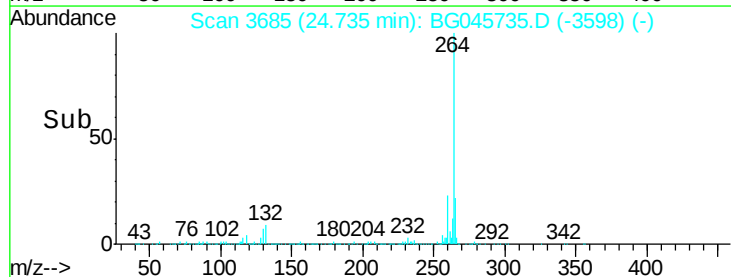
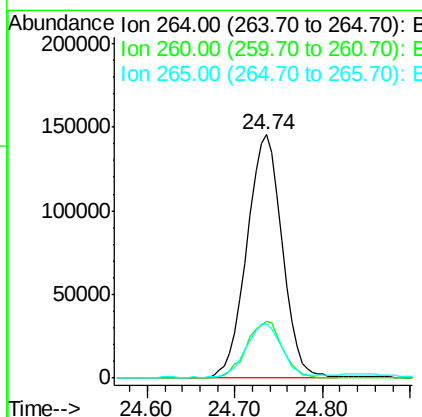
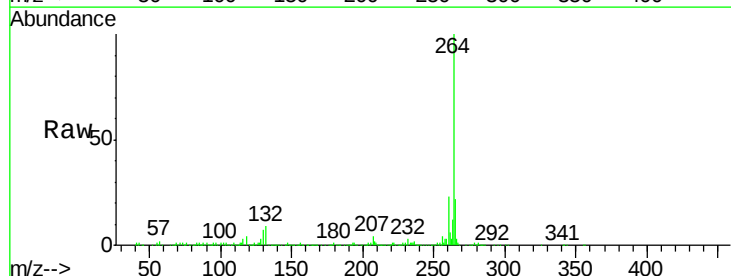
Instrument :
 BNA_G
 ClientSampleId :
 RL-356-RL-212

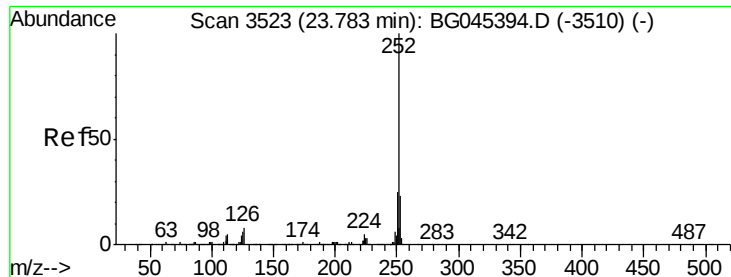
Tot Ion:276 Resp: 330822
 Ion Ratio Lower Upper
 276 100
 138 10.9 8.6 12.8
 277 23.3 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.74 min Scan# 3685
 Delta R.T. -0.02 min
 Lab File: BG045735.D
 Acq: 12 Jun 2020 00:21

Tgt Ion:264 Resp: 402179
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.2 27.4
 265 22.0 17.6 26.4





#88

Benzo(b)fluoranthene

Concen: 25.950 ng

RT: 23.74 min Scan# 3516

Delta R.T. -0.02 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

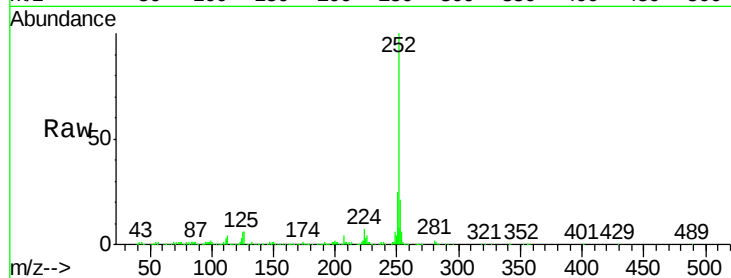
Tot Ion:252 Resp: 559718

Ion Ratio Lower Upper

252 100

253 20.7 18.1 27.1

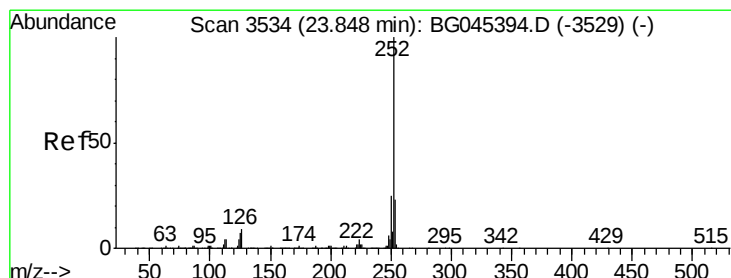
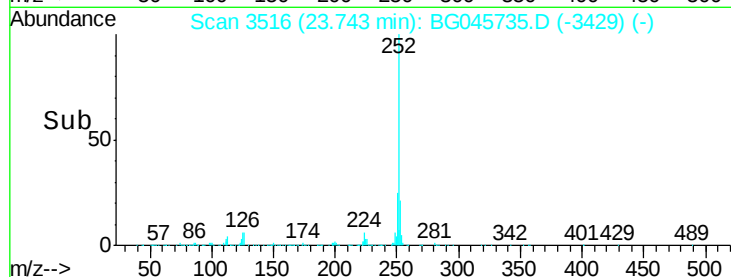
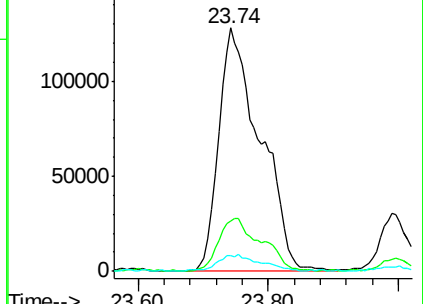
125 6.3 5.0 7.6



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

Benzo(k)fluoranthene

Concen: 27.621 ng

RT: 23.74 min Scan# 3516

Delta R.T. -0.08 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

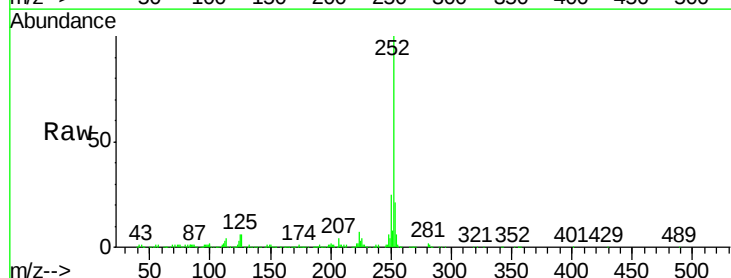
Tgt Ion:252 Resp: 559718

Ion Ratio Lower Upper

252 100

253 20.7 18.4 27.6

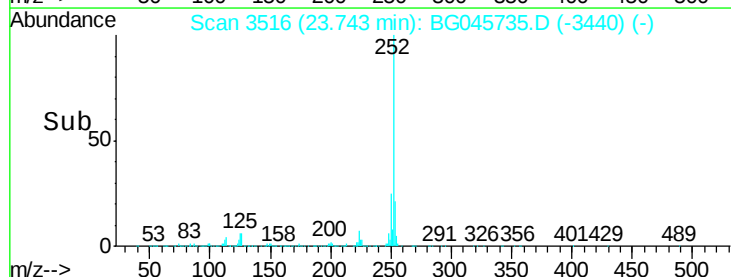
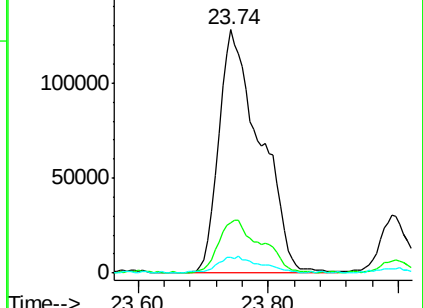
125 6.3 5.7 8.5

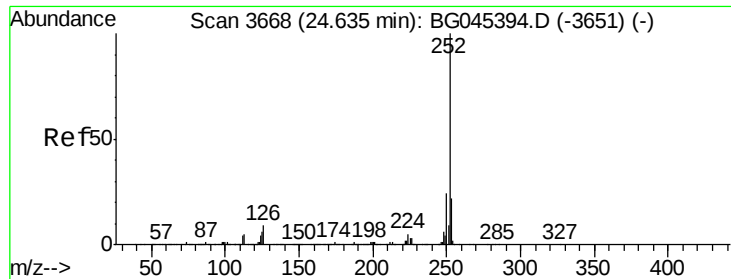


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 22.751 ng

RT: 24.58 min Scan# 3659

Delta R.T. -0.02 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

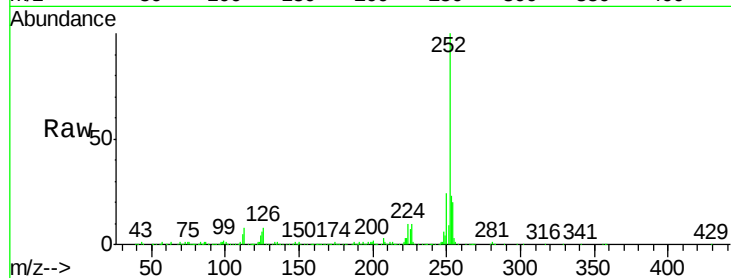
Tot Ion:252 Resp: 457030

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

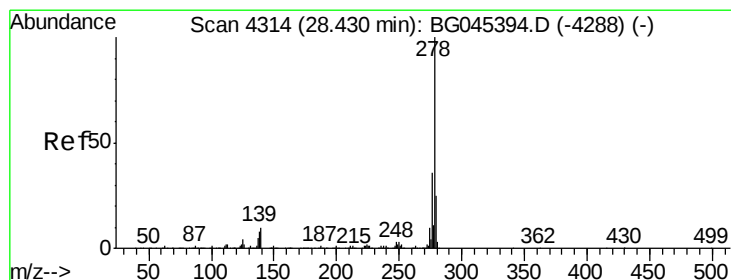
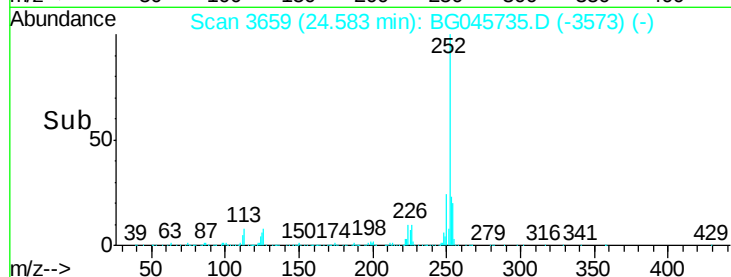
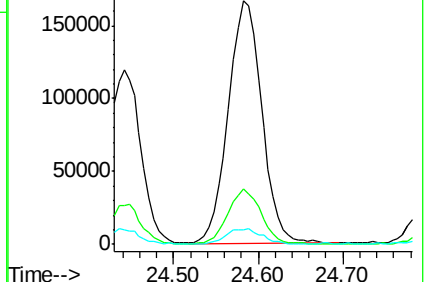
125 6.0 5.0 7.6



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



#91

Dibenzo(a,h)anthracene

Concen: 3.036 ng

RT: 28.33 min Scan# 4297

Delta R.T. -0.06 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

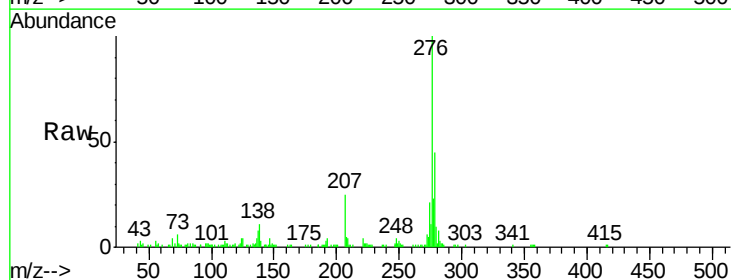
Tgt Ion:278 Resp: 61293

Ion Ratio Lower Upper

278 100

139 5.9 7.8 11.8#

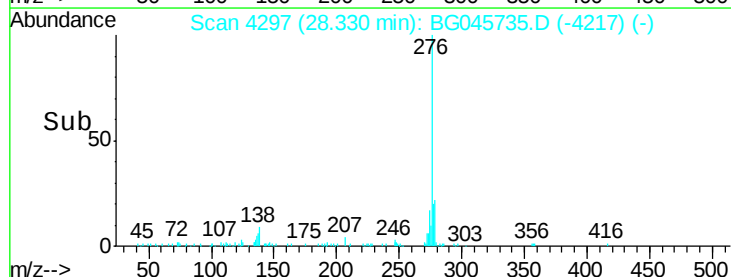
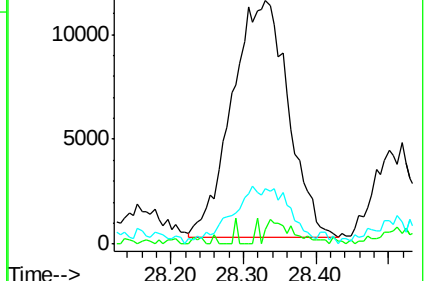
279 22.7 19.8 29.8

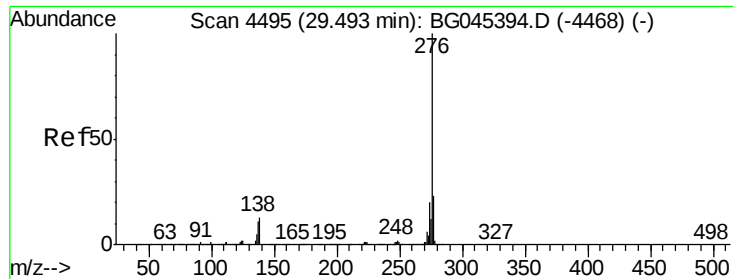


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 21.410 ng

RT: 29.41 min Scan# 4480

Delta R.T. -0.03 min

Lab File: BG045735.D

Acq: 12 Jun 2020 00:21

Instrument :

BNA_G

ClientSampleId :

RL-356-RL-212

Tot Ion:276 Resp: 432248

Ion Ratio Lower Upper

276 100

277 21.9 18.1 27.1

138 10.3 10.2 15.4

