

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
 Data File : BG045782.D
 Acq On : 16 Jun 2020 21:22
 Operator : CG/JU
 Sample : L2986-09 20X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 93-94-COMP

Quant Time: Jun 17 09:30:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

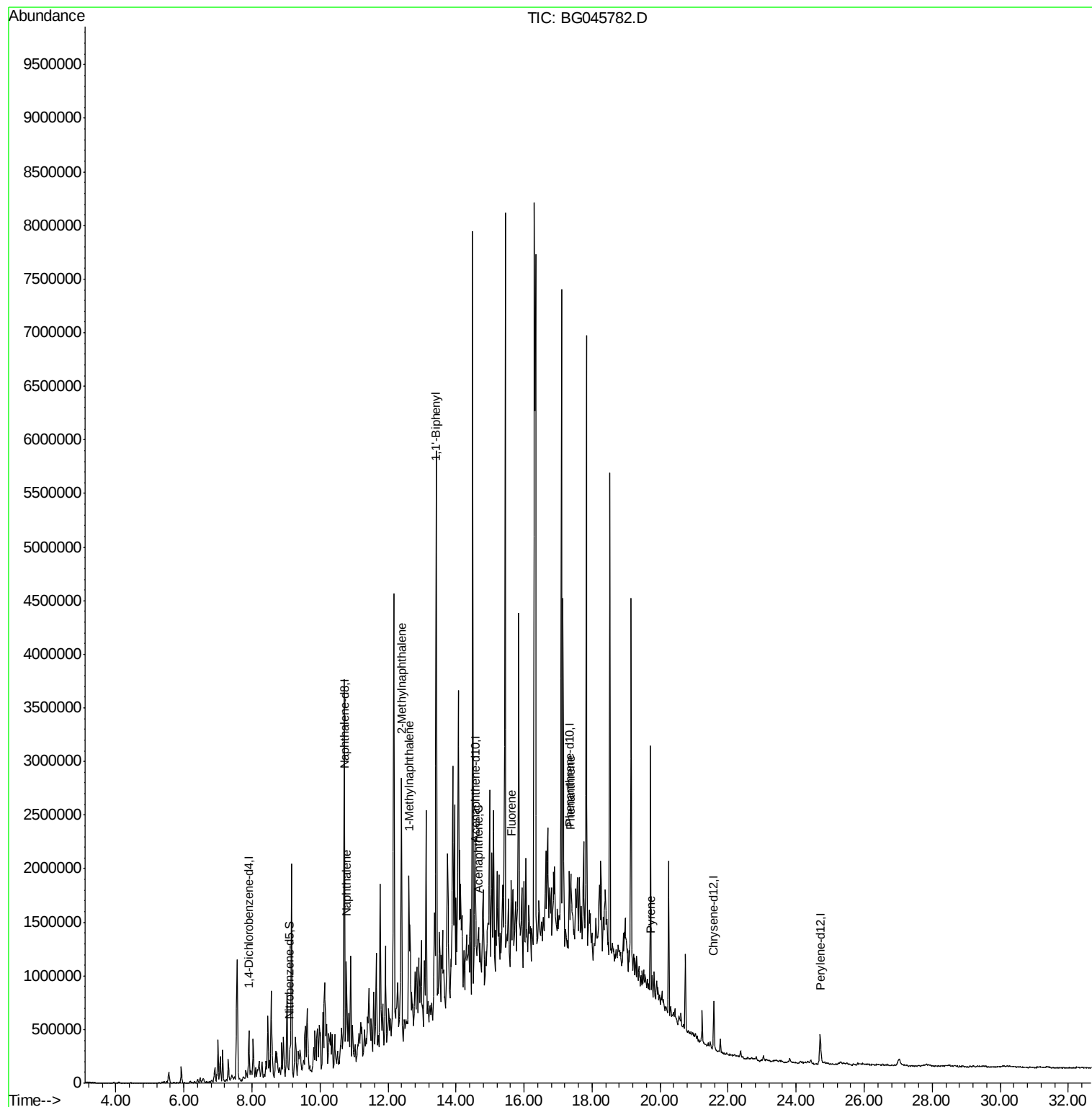
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	57750	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	215499	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	153087	20.00	ng	0.00
64) Phenanthrene-d10	17.33	188	288441	20.00	ng	0.00
76) Chrysene-d12	21.58	240	294859	20.00	ng	0.00
86) Perylene-d12	24.71	264	324651	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	2177	0.64	ng	0.00
7) Phenol-d6	7.17	99	3357	0.65	ng	0.00
23) Nitrobenzene-d5	9.09	82	14254	3.02	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	2306	1.00	ng	0.01
45) 2-Fluorobiphenyl	13.19	172	12157	1.17	ng	0.00
79) Terphenyl-d14	19.94	244	21916	1.51	ng	0.00
Target Compounds						
31) Naphthalene	10.78	128	509070	43.209	ng	Qvalue # 95
37) 2-Methylnaphthalene	12.40	142	1141777	130.145	ng	98
38) 1-Methylnaphthalene	12.62	142	672647	81.021	ng	99
46) 1,1'-Biphenyl	13.41	154	140065	12.779	ng	97
52) Acenaphthene	14.64	154	47177	5.488	ng	# 90
58) Fluorene	15.63	166	135388	11.660	ng	# 82
71) Phenanthrene	17.37	178	369226	24.820	ng	# 94
78) Pyrene	19.74	202	57849	2.930	ng	# 88

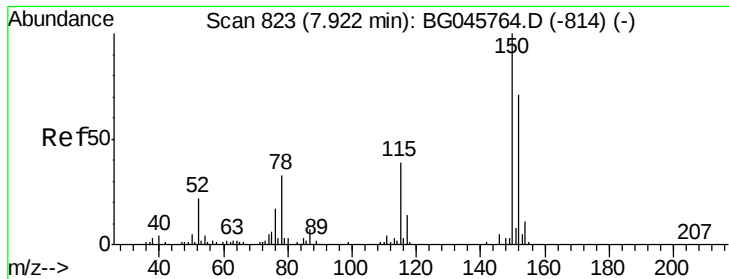
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



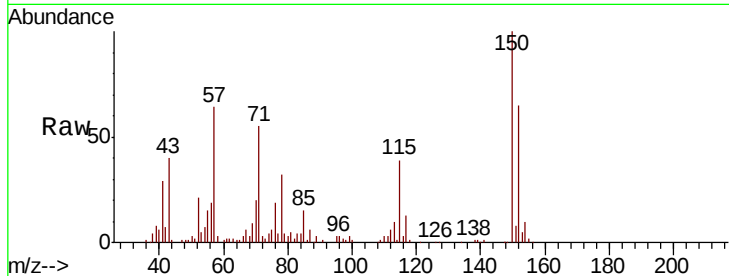


#1

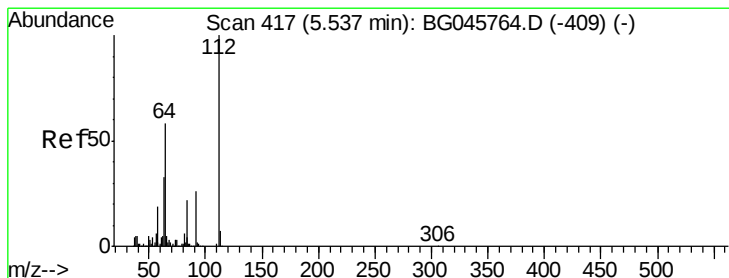
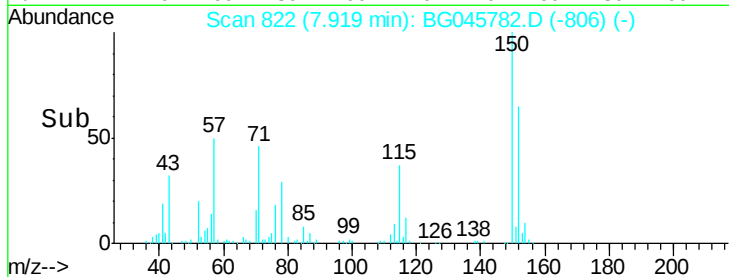
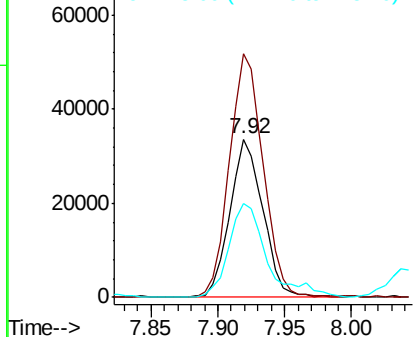
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

Instrument :
BNA_G
ClientSampleId :
93-94-COMP

Tot Ion:152 Resp: 57750
Ion Ratio Lower Upper
152 100
150 153.9 113.1 169.7
115 59.6 43.8 65.6



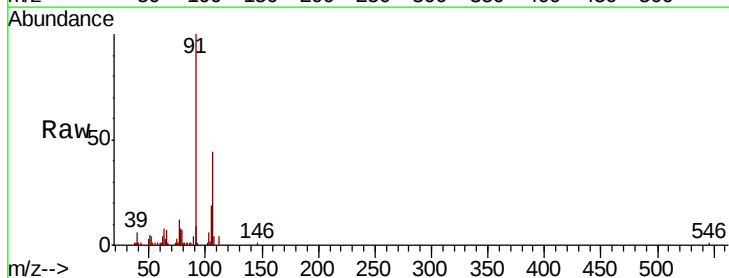
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



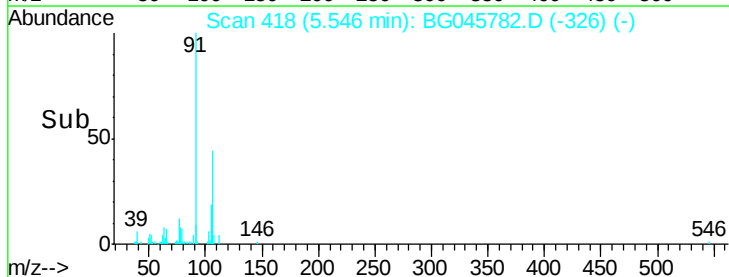
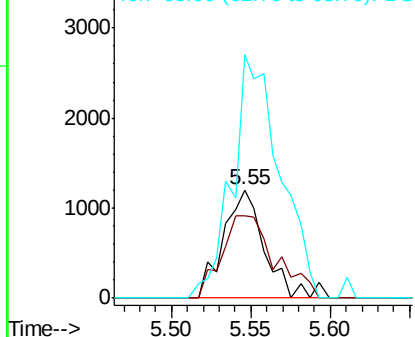
#5

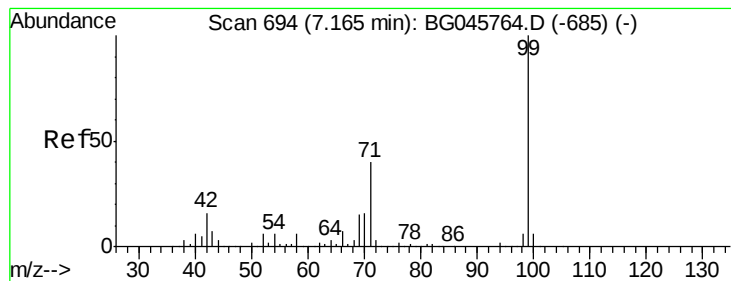
2-Fluorophenol
Concen: 0.637 ng
RT: 5.55 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

Tgt Ion:112 Resp: 2177
Ion Ratio Lower Upper
112 100
64 75.9 46.6 69.8#
63 225.3 26.3 39.5#



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: 0.646 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Instrument :

BNA_G

ClientSampleId :

93-94-COMP

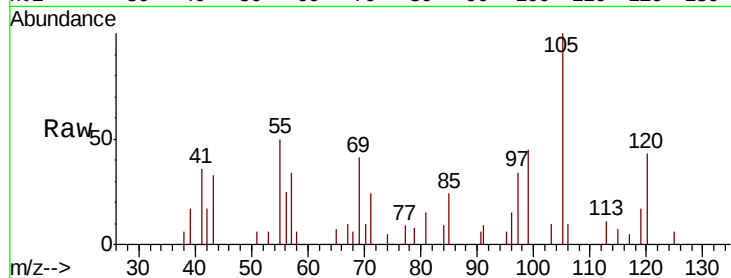
Tot Ion: 99 Resp: 3357

Ion Ratio Lower Upper

99 100

42 37.5 12.4 18.6#

71 54.0 32.1 48.1#

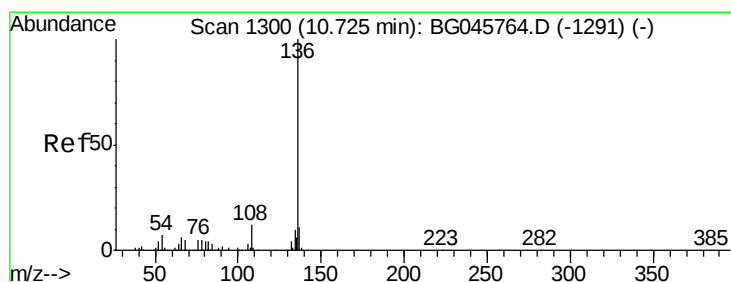
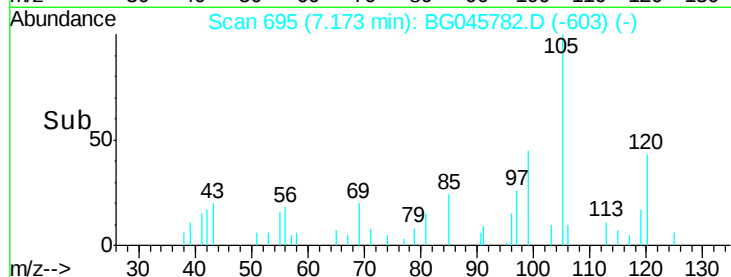
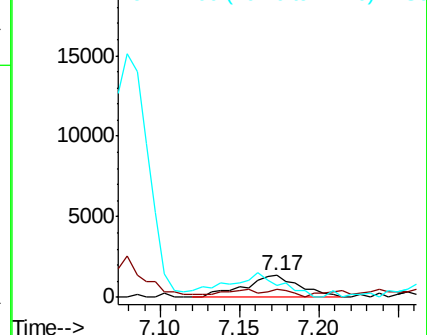


Abundance

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Tgt Ion: 136 Resp: 215499

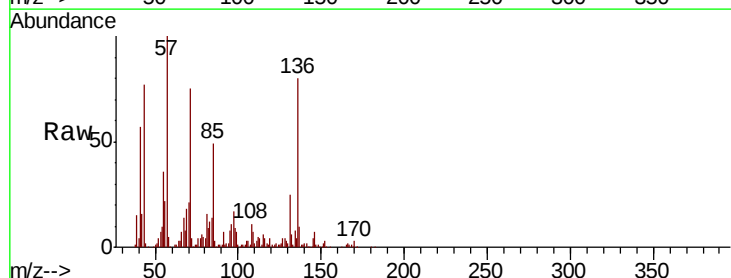
Ion Ratio Lower Upper

136 100

137 12.1 8.7 13.1

54 12.7 5.8 8.6#

68 10.2 4.0 6.0#



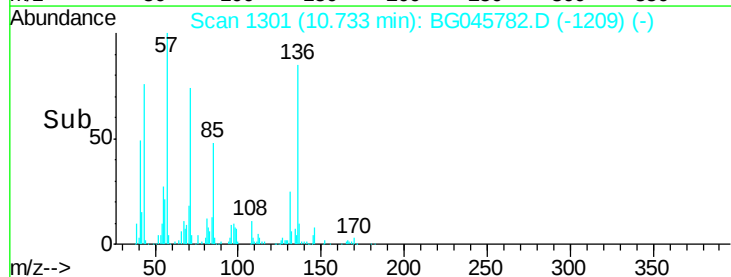
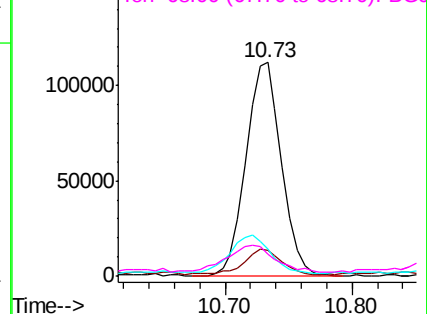
Abundance

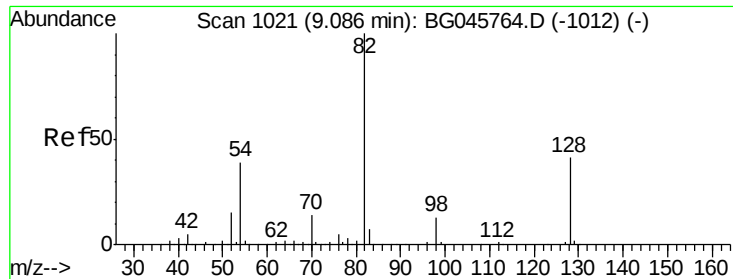
Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

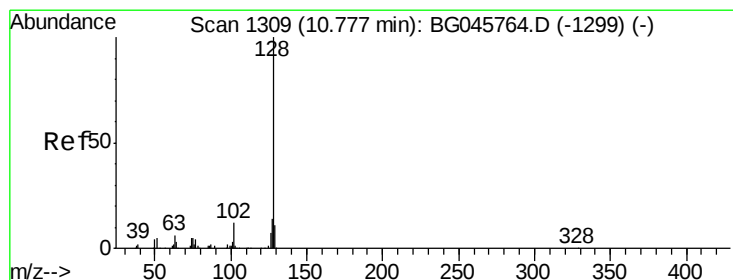
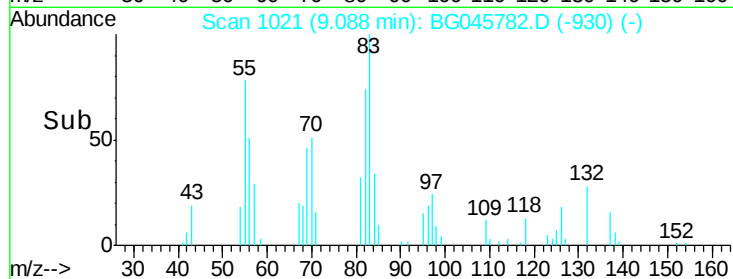
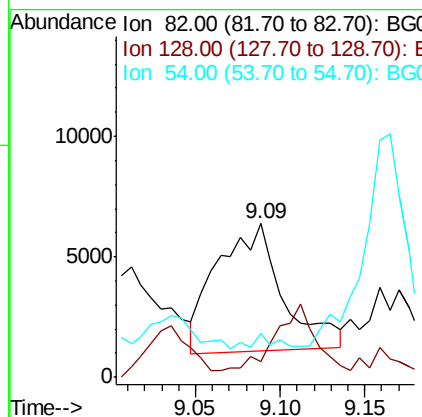
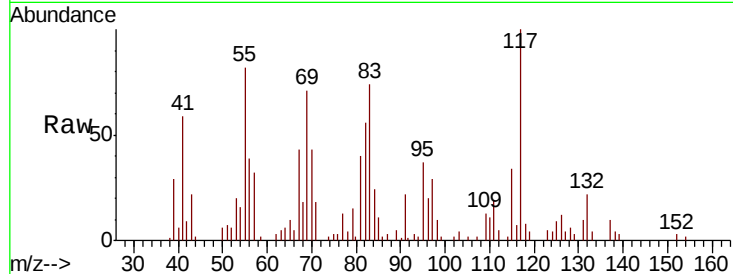




#23
 Nitrobenzene-d5
 Concen: 3.022 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG045782.D
 Acq: 16 Jun 2020 21:22

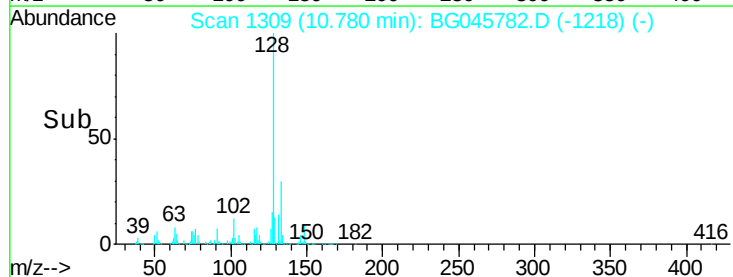
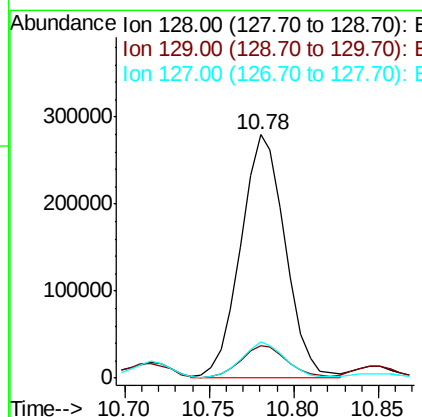
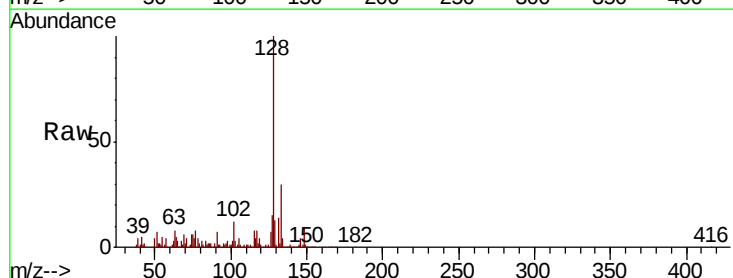
Instrument :
 BNA_G
 ClientSampleId :
 93-94-COMP

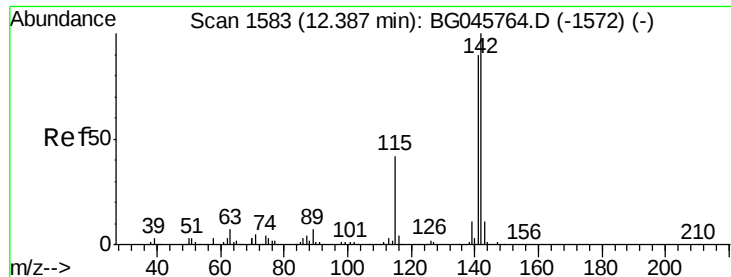
Tot Ion: 82 Resp: 14254
 Ion Ratio Lower Upper
 82 100
 128 10.3 32.5 48.7#
 54 28.6 31.2 46.8#



#31
 Naphthalene
 Concen: 43.209 ng
 RT: 10.78 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BG045782.D
 Acq: 16 Jun 2020 21:22

Tgt Ion: 128 Resp: 509070
 Ion Ratio Lower Upper
 128 100
 129 13.4 8.6 13.0#
 127 14.8 10.9 16.3

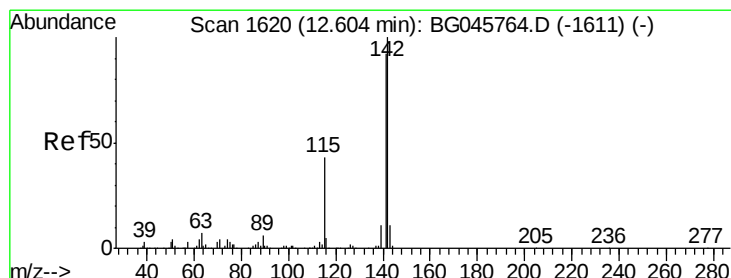
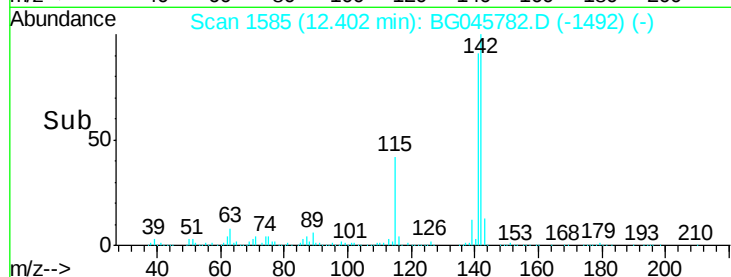
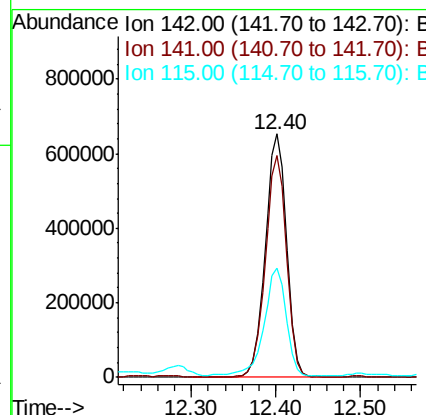
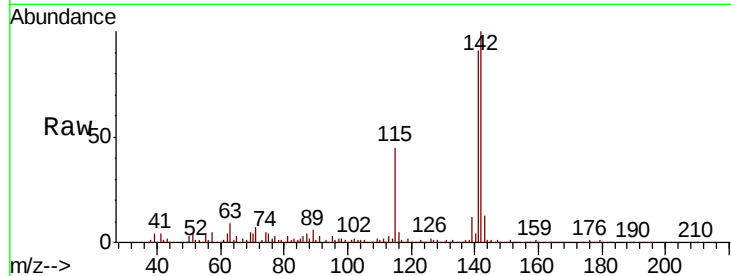




#37
2-Methylnaphthalene
Concen: 130.145 ng
RT: 12.40 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

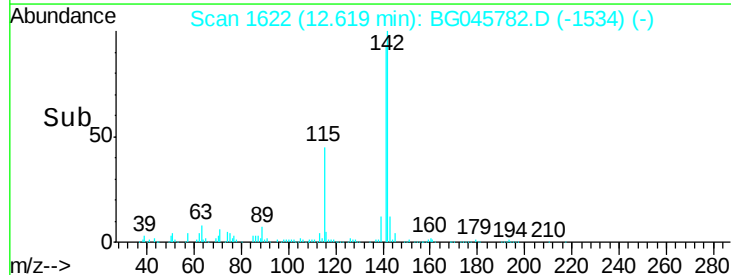
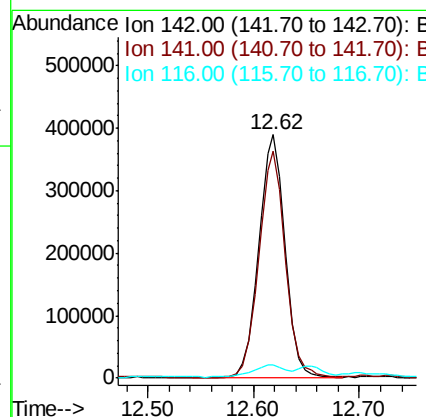
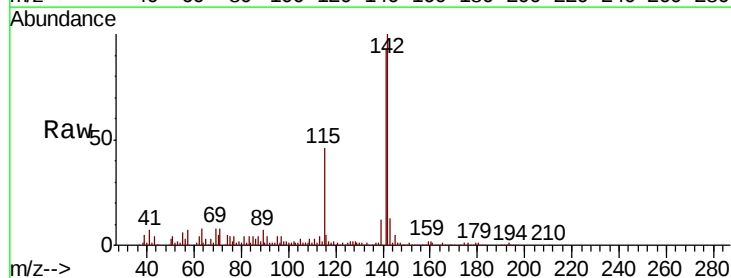
Instrument :
BNA_G
ClientSampleId :
93-94-COMP

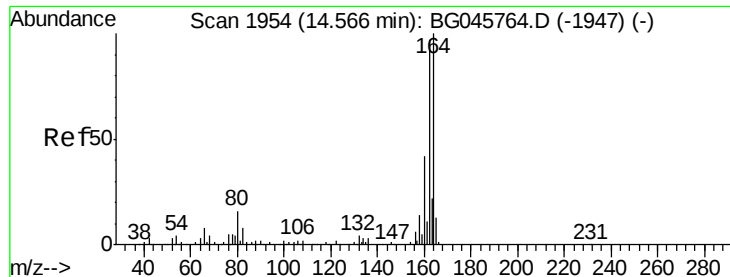
Tot Ion:142 Resp: 1141777
Ion Ratio Lower Upper
142 100
141 91.1 71.7 107.5
115 44.9 33.8 50.6



#38
1-Methylnaphthalene
Concen: 81.021 ng
RT: 12.62 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

Tgt Ion:142 Resp: 672647
Ion Ratio Lower Upper
142 100
141 93.0 73.8 110.8
116 5.4 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Instrument :

BNA_G

ClientSampleId :

93-94-COMP

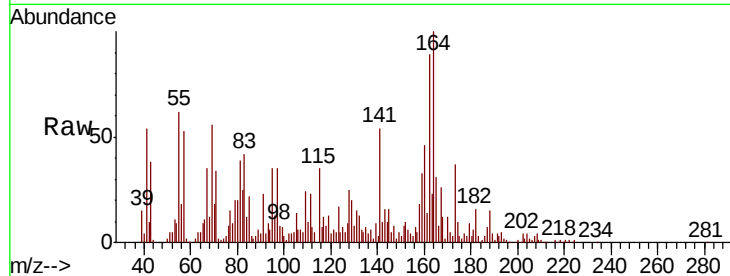
Tot Ion:164 Resp: 153087

Ion Ratio Lower Upper

164 100

162 89.0 77.4 116.0

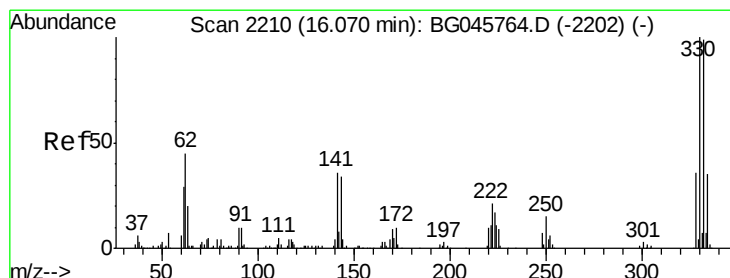
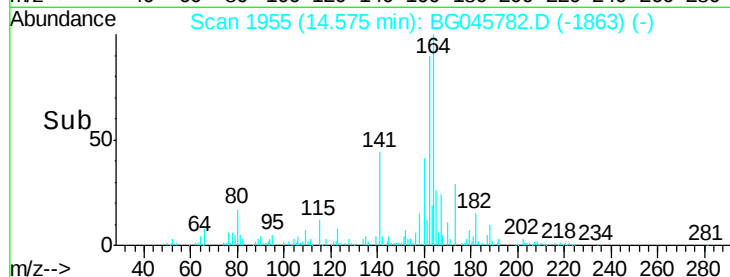
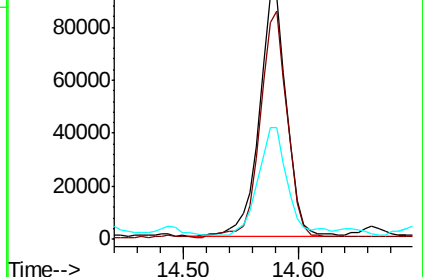
160 45.8 33.3 49.9



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: 0.998 ng

RT: 16.08 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

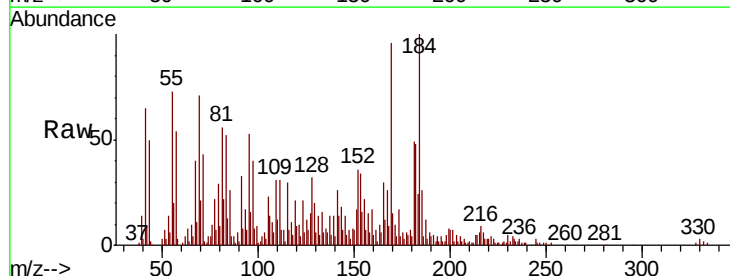
Tgt Ion:330 Resp: 2306

Ion Ratio Lower Upper

330 100

332 120.9 78.6 117.8#

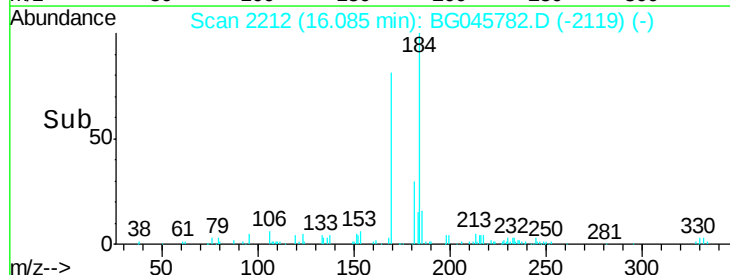
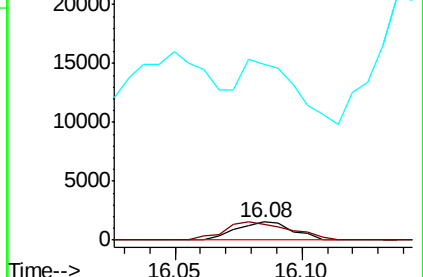
141 372.8 28.2 42.4#

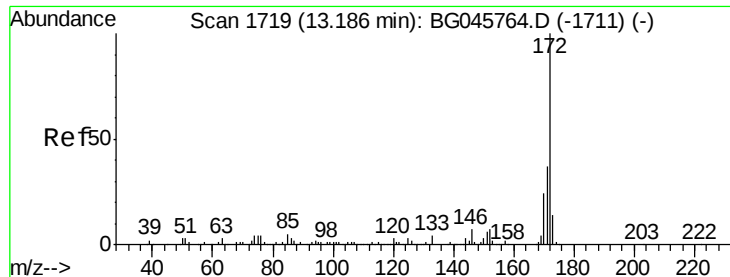


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

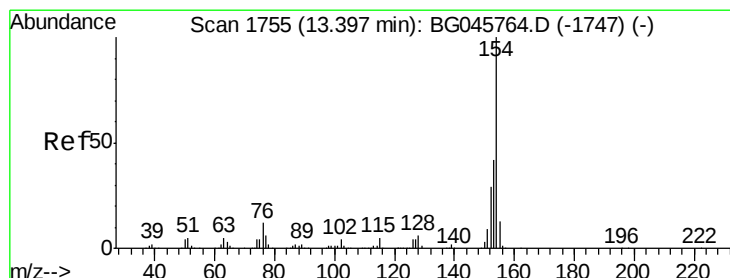
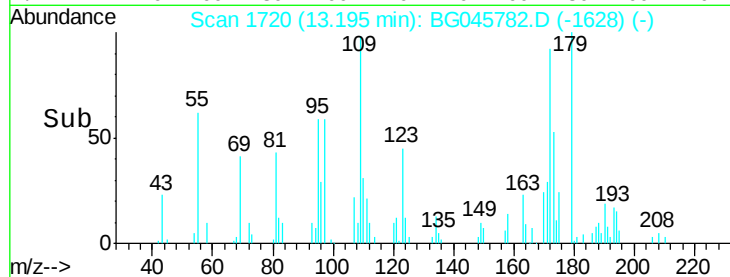
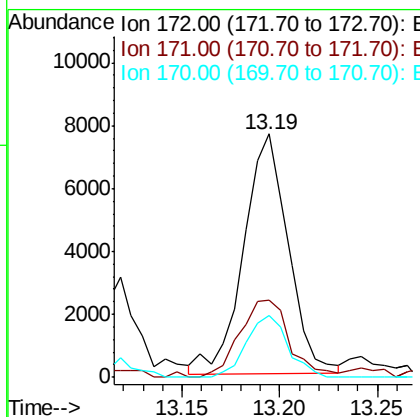
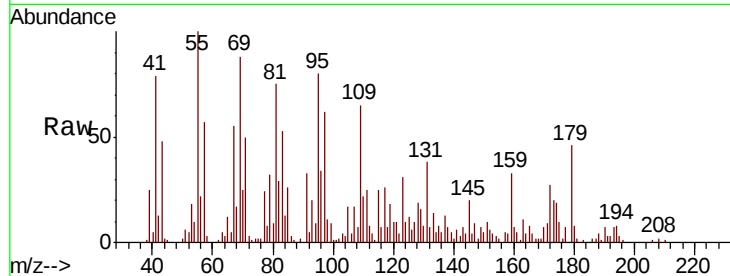




#45
 2-Fluorobiphenyl
 Concen: 1.167 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BG045782.D
 Acq: 16 Jun 2020 21:22

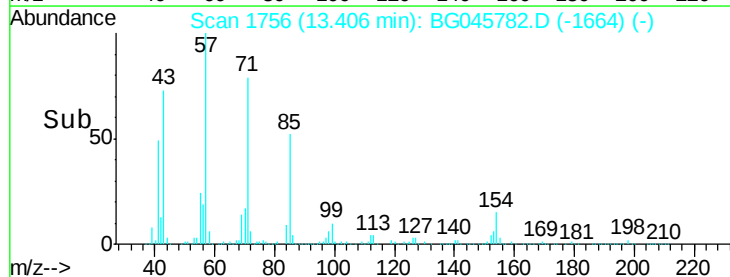
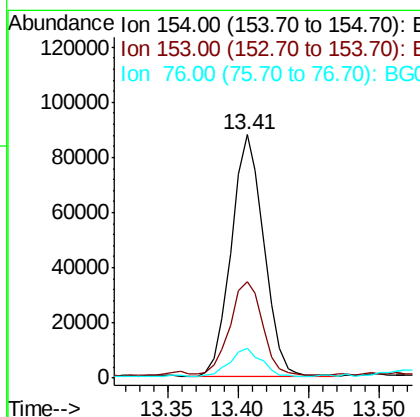
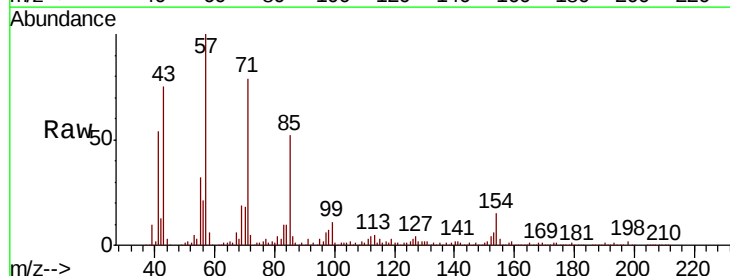
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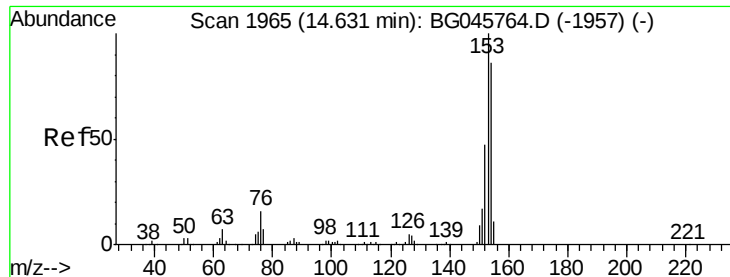
Tot Ion	Ratio	Lower	Upper
172	100		
171	31.6	29.9	44.9
170	25.7	19.3	28.9



#46
 1,1'-Biphenyl
 Concen: 12.779 ng
 RT: 13.41 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: BG045782.D
 Acq: 16 Jun 2020 21:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.7	61.7
76	12.3	0.0	32.0





#52

Acenaphthene

Concen: 5.488 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Instrument :

BNA_G

ClientSampled :

93-94-COMP

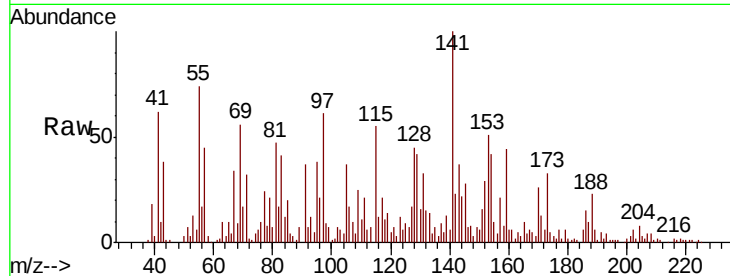
Tot Ion:154 Resp: 47177

Ion Ratio Lower Upper

154 100

153 121.4 93.0 139.4

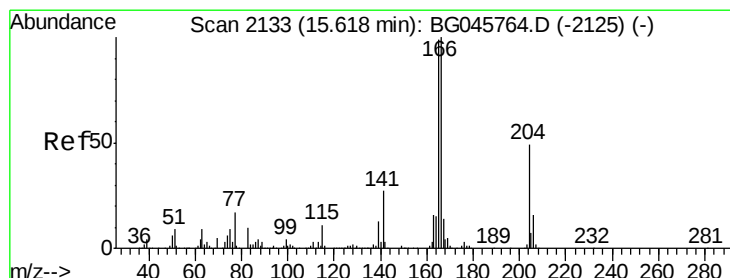
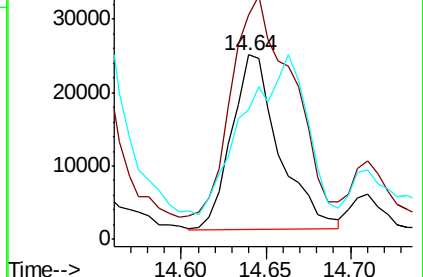
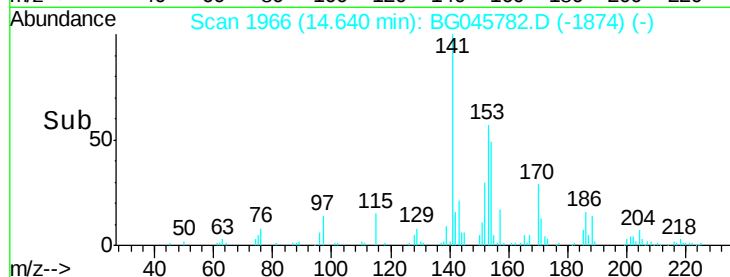
152 70.5 43.7 65.5#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 11.660 ng

RT: 15.63 min Scan# 2134

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

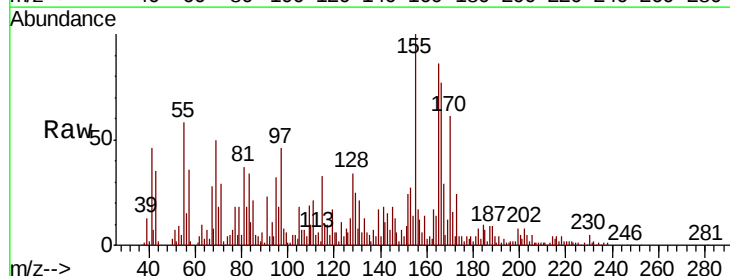
Tgt Ion:166 Resp: 135388

Ion Ratio Lower Upper

166 100

165 111.6 79.1 118.7

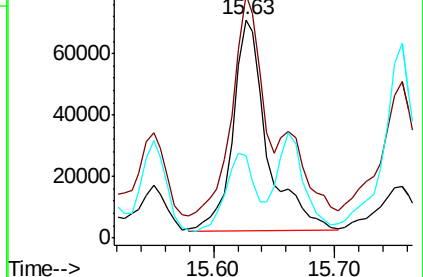
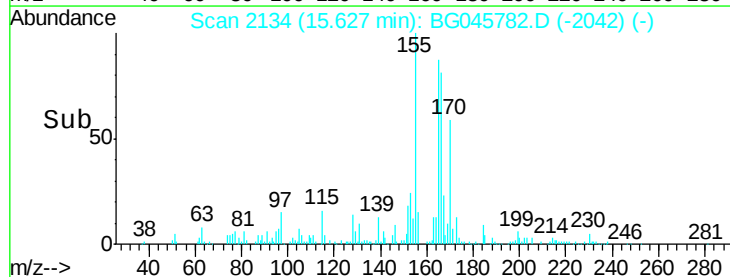
167 38.0 11.5 17.3#

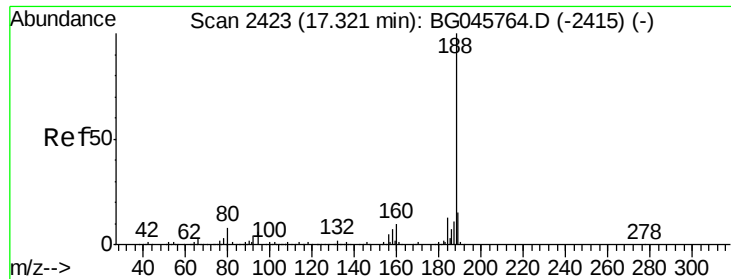


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2424

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Instrument :

BNA_G

ClientSampleId :

93-94-COMP

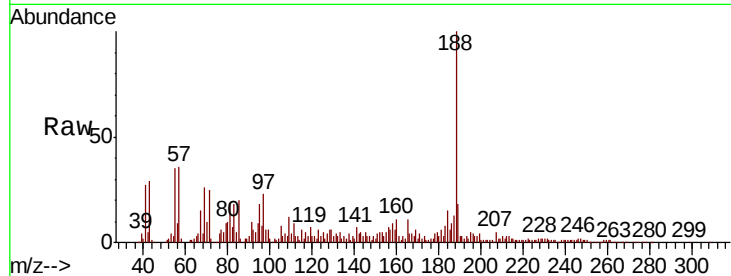
Tot Ion:188 Resp: 288441

Ion Ratio Lower Upper

188 100

94 8.6 5.1 7.7#

80 9.8 6.2 9.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

250000

200000

150000

100000

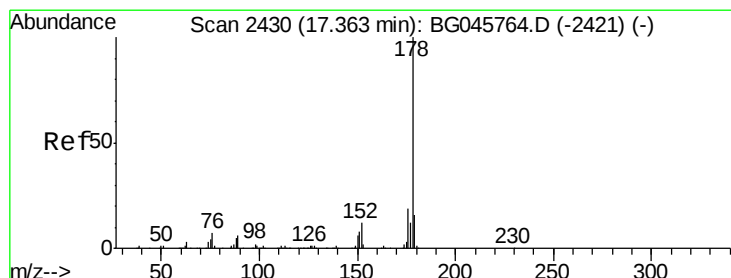
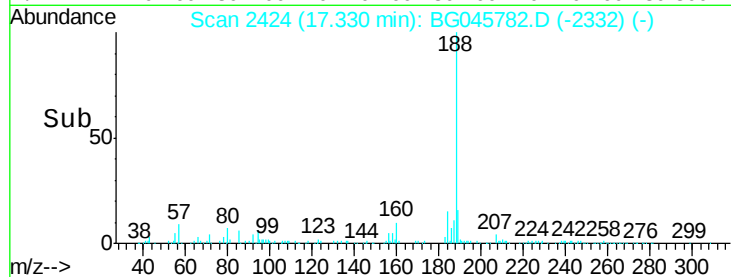
50000

0

17.30

17.40

Time-->



#71

Phenanthrene

Concen: 24.820 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

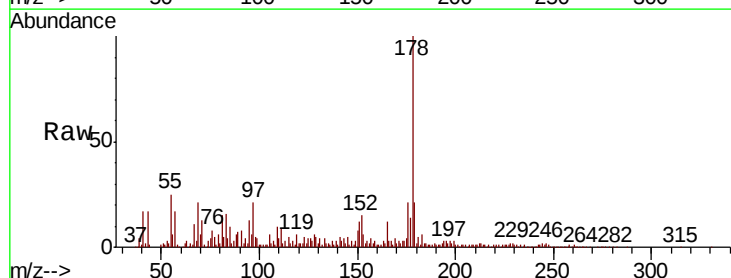
Tgt Ion:178 Resp: 369226

Ion Ratio Lower Upper

178 100

176 20.9 15.5 23.3

179 20.6 13.2 19.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

300000

250000

200000

150000

100000

50000

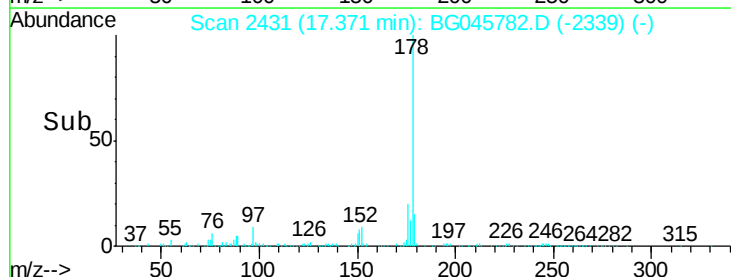
0

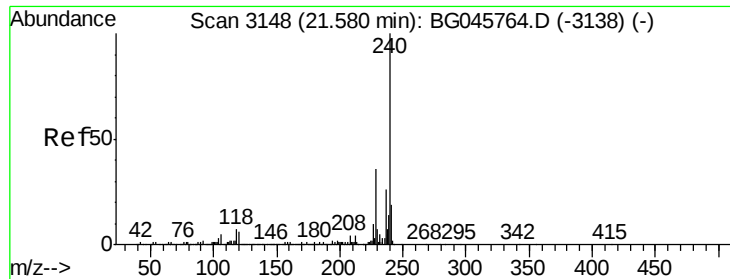
17.30

17.35

17.40

Time-->

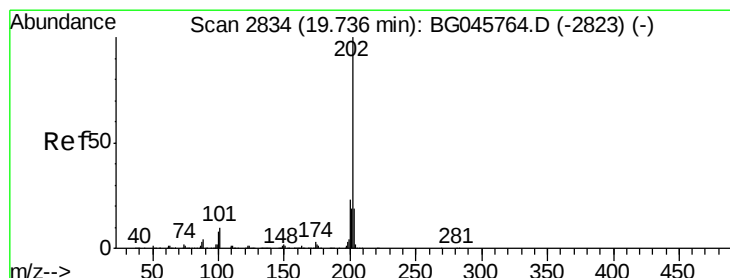
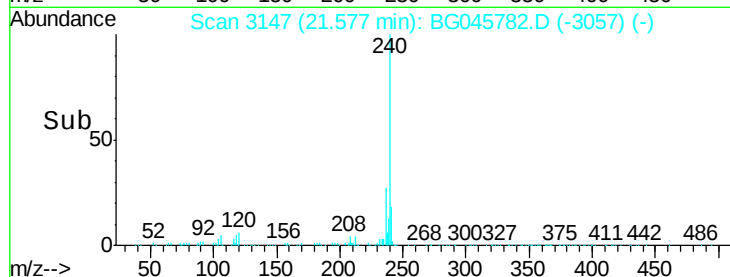
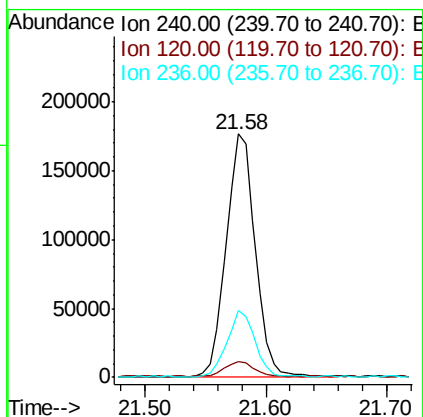
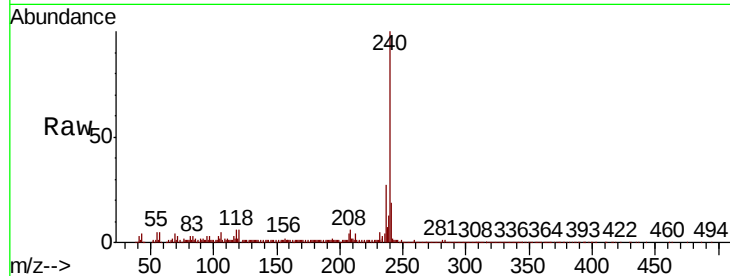




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.00 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

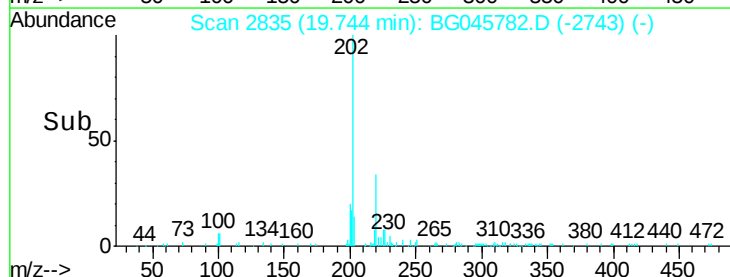
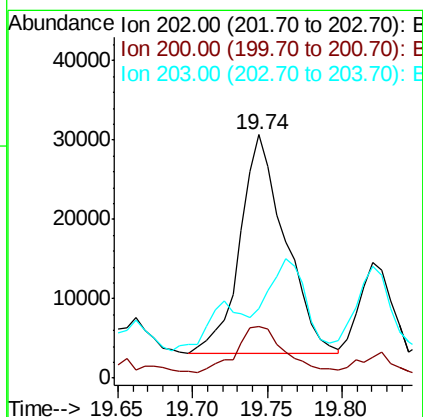
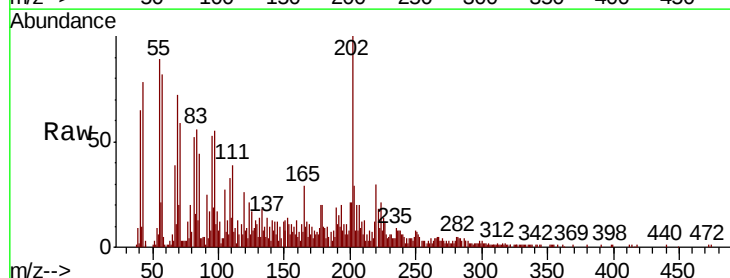
Instrument :
BNA_G
ClientSampleId :
93-94-COMP

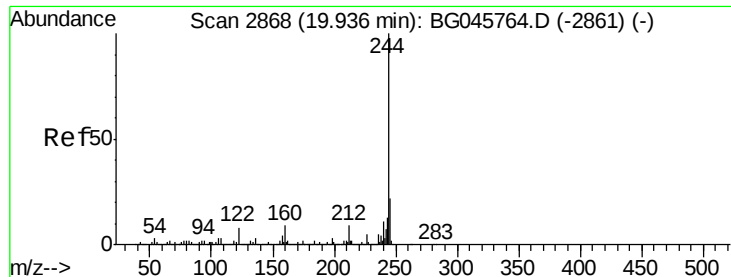
Tot Ion:240 Resp: 294859
Ion Ratio Lower Upper
240 100
120 6.5 5.0 7.4
236 27.3 20.6 30.8



#78
Pyrene
Concen: 2.930 ng
RT: 19.74 min Scan# 2835
Delta R.T. 0.01 min
Lab File: BG045782.D
Acq: 16 Jun 2020 21:22

Tgt Ion:202 Resp: 57849
Ion Ratio Lower Upper
202 100
200 21.1 18.2 27.2
203 28.8 14.8 22.2#





#79

Terphenyl-d14

Concen: 1.506 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Instrument :

BNA_G

ClientSampleId :

93-94-COMP

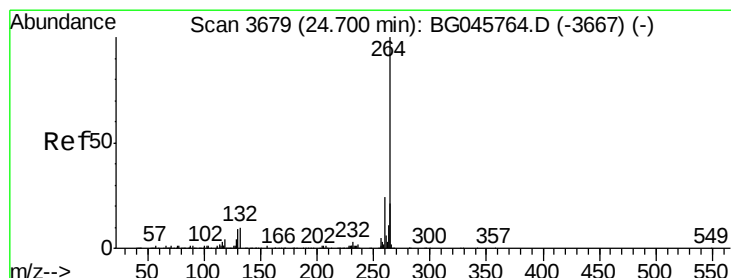
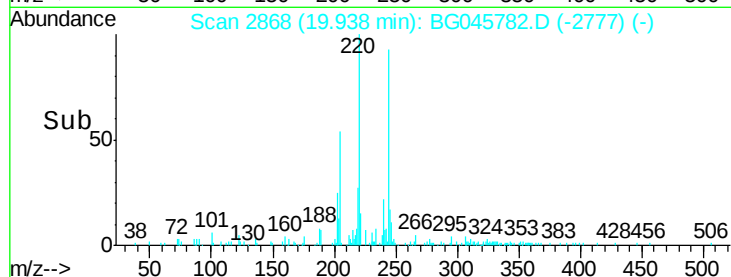
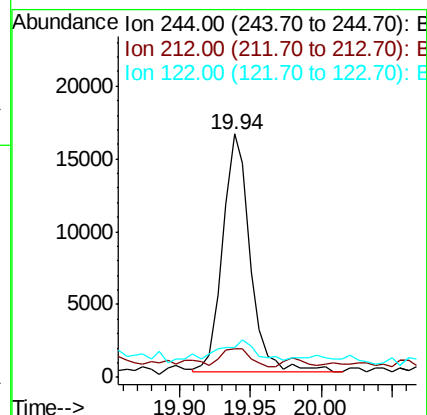
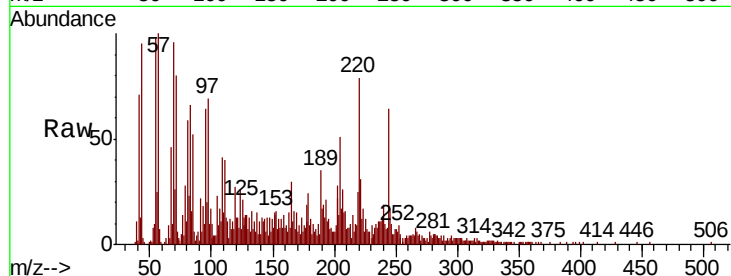
Tot Ion:244 Resp: 21916

Ion Ratio Lower Upper

244 100

212 11.8 7.2 10.8#

122 12.3 6.4 9.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3680

Delta R.T. 0.01 min

Lab File: BG045782.D

Acq: 16 Jun 2020 21:22

Tgt Ion:264 Resp: 324651

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 20.7 17.4 26.0

