

Data Path : Z:\HPCHEM1\BNA G\Data\BG060916\
 Data File : BG022269.D
 Acq On : 9 Jun 2016 15:13
 Operator : UM/SJ
 Sample : H3402-16 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SS-49

Quant Time: Jun 09 15:48:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 16:12:45 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

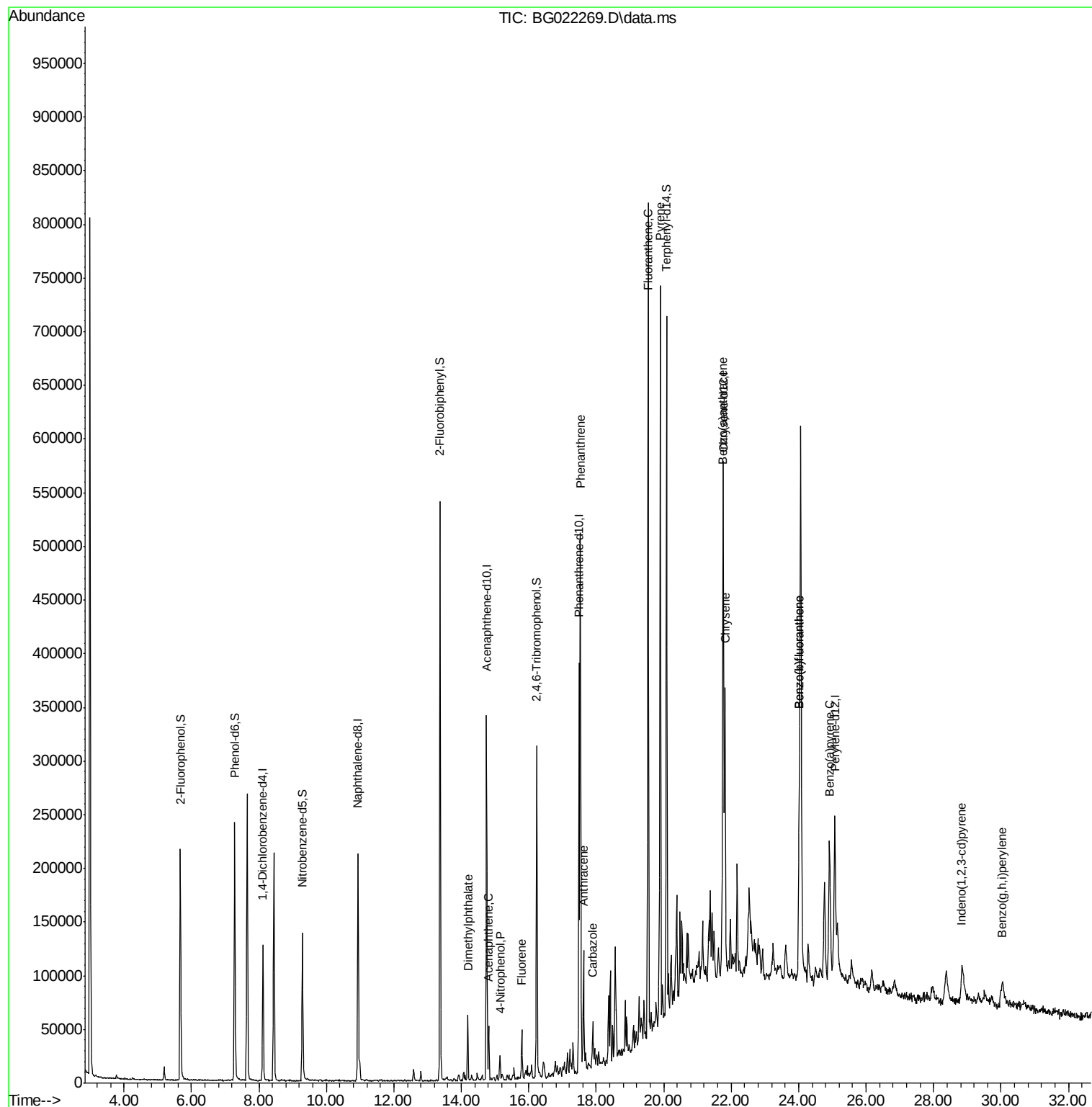
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.115	152	47927	20.00	ng	0.00
21) Naphthalene-d8	10.935	136	233973	20.00	ng	0.00
38) Acenaphthene-d10	14.749	164	128563	20.00	ng	0.00
63) Phenanthrene-d10	17.492	188	247591	20.00	ng	0.00
75) Chrysene-d12	21.770	240	203473	20.00	ng	0.00
86) Perylene-d12	25.078	264	194913	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.665	112	146012	58.90	ng	0.00
7) Phenol-d6	7.281	99	218330	56.02	ng	0.00
23) Nitrobenzene-d5	9.290	82	116893	34.83	ng	0.00
41) 2,4,6-Tribromophenol	16.235	330	67222	46.27	ng	0.00
44) 2-Fluorobiphenyl	13.368	172	321387	38.10	ng	0.00
78) Terphenyl-d14	20.084	244	311997	36.40	ng	0.00
Target Compounds						
						Qvalue
49) Dimethylphthalate	14.190	163	49886	4.68	ng	99
51) Acenaphthene	14.813	154	20943	2.69	ng	96
55) 4-Nitrophenol	15.148	139	6203	3.50	ng	# 5
57) Fluorene	15.794	166	24101	2.30	ng	96
70) Phenanthrene	17.534	178	346609	25.77	ng	98
71) Anthracene	17.628	178	81340	6.10	ng	96
72) Carbazole	17.898	167	31539	2.50	ng	96
74) Fluoranthene	19.537	202	484774	31.36	ng	97
77) Pyrene	19.901	202	446971	35.34	ng	99
80) Benzo(a)anthracene	21.752	228	229975	20.16	ng	99
82) Chrysene	21.817	228	191393	17.24	ng	97
85) Indeno(1,2,3-cd)pyrene	28.832	276	28970	2.33	ng	# 68
87) Benzo(b)fluoranthene	24.026	252	331987	29.20	ng	# 94
88) Benzo(k)fluoranthene	24.026	252	331987	29.67	ng	# 94
89) Benzo(a)pyrene	24.913	252	160868	14.80	ng	# 93
91) Benzo(a,h,i)perylene	30.042	276	57027	5.35	ng	# 92

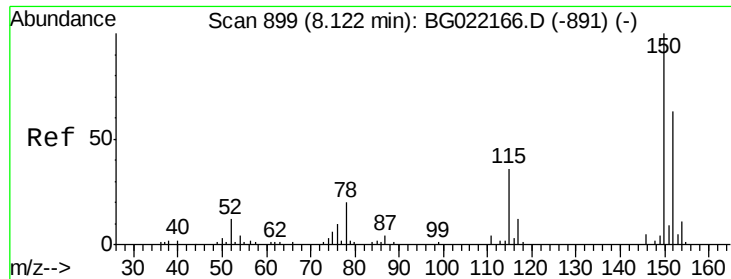
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.115 min Scan# 89

Delta R.T. -0.007 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

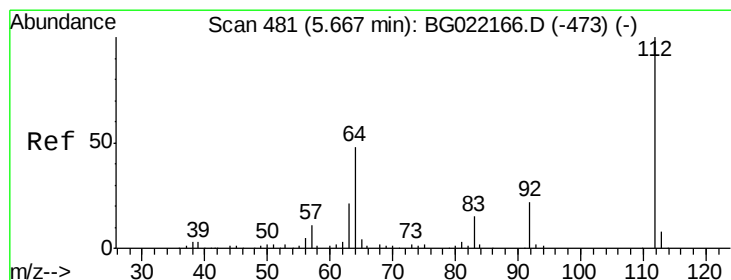
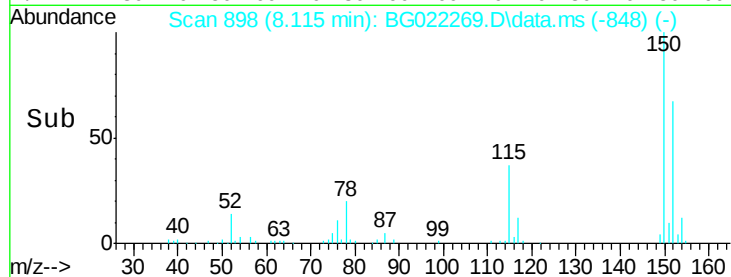
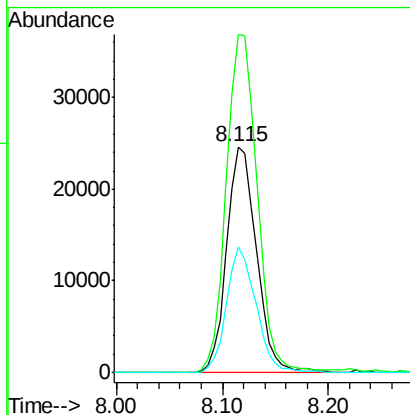
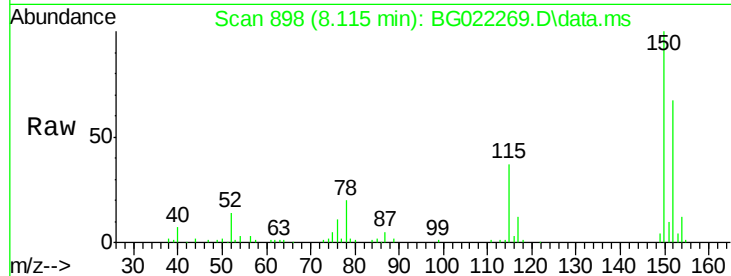
Tot Ion:152 Resp: 47927

Ion Ratio Lower Upper

152 100

150 149.9 130.1 195.1

115 55.4 62.2 93.2#



#5

2-Fluorophenol

Concen: 58.90 ng

RT: 5.665 min Scan# 481

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

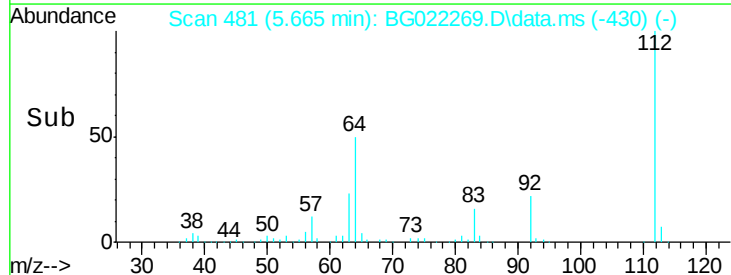
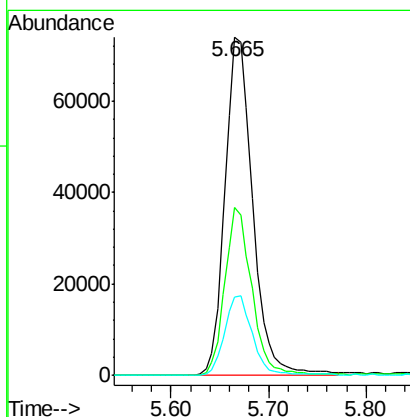
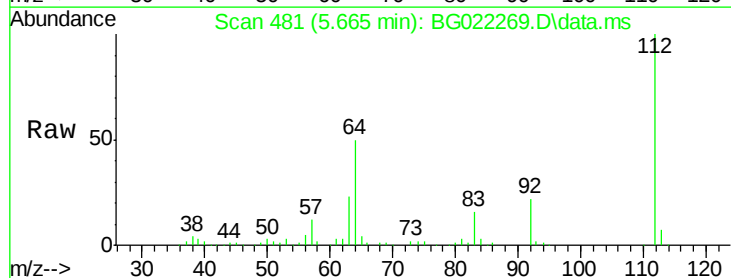
Tgt Ion:112 Resp: 146012

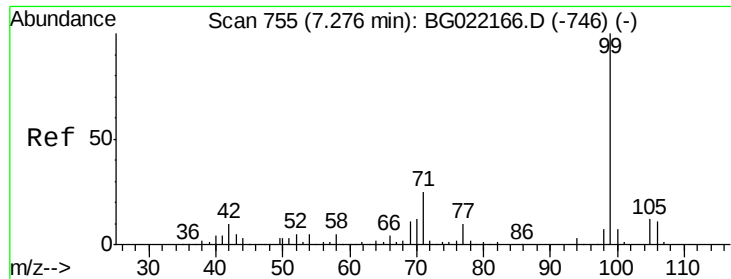
Ion Ratio Lower Upper

112 100

64 49.8 51.1 76.7#

63 23.2 24.6 37.0#





#7

Phenol-d6

Concen: 56.02 ng

RT: 7.281 min Scan# 75

Delta R.T. 0.005 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

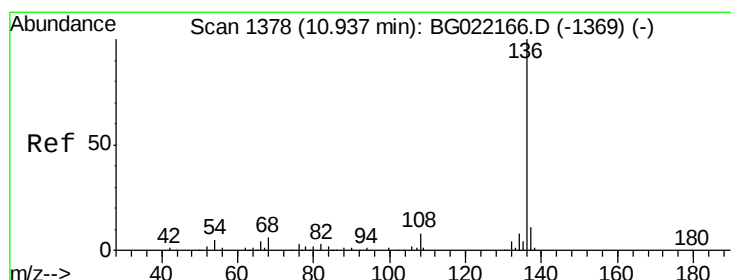
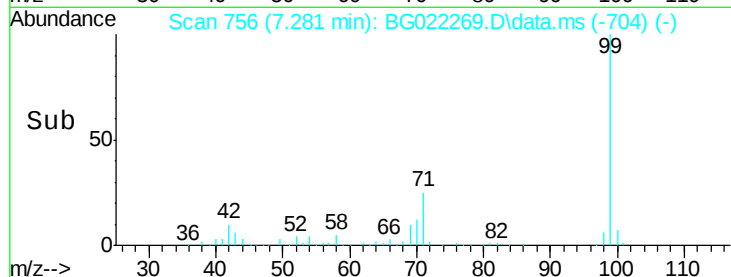
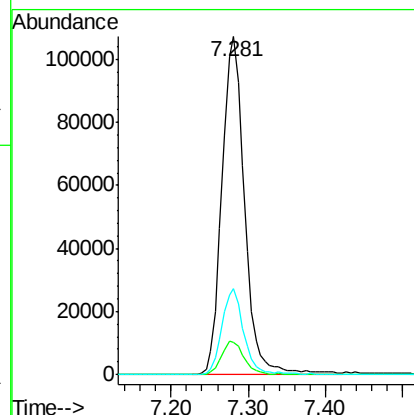
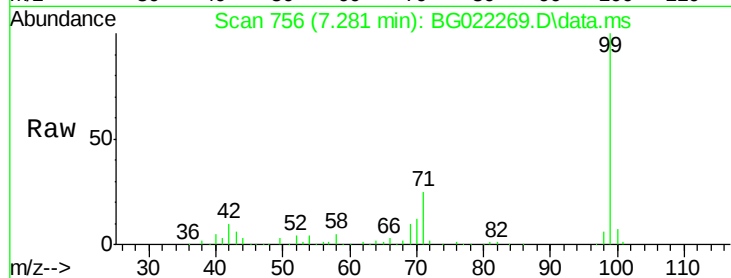
Tot Ion: 99 Resp: 218330

Ion Ratio Lower Upper

99 100

42 9.5 16.4 24.6#

71 25.2 25.0 37.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.935 min Scan# 1378

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Tgt Ion: 136 Resp: 233973

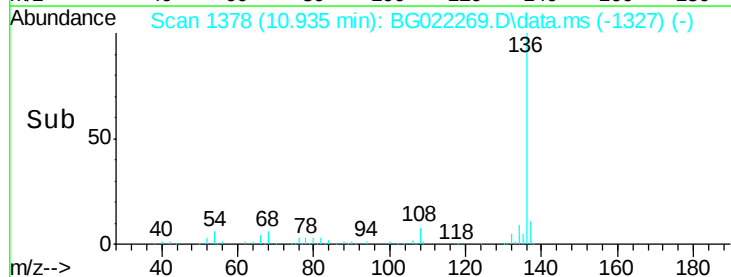
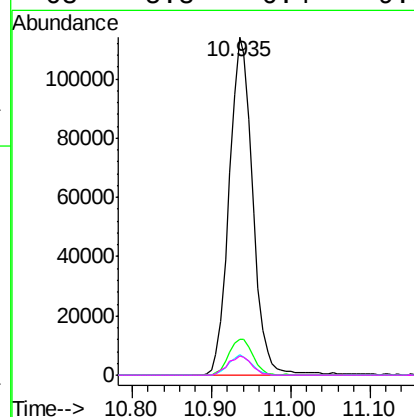
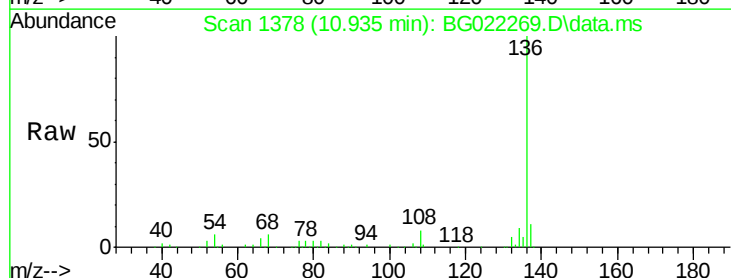
Ion Ratio Lower Upper

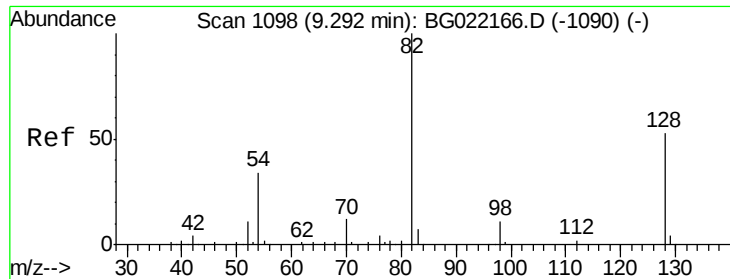
136 100

137 10.6 9.0 13.4

54 6.3 9.6 14.4#

68 5.8 6.4 9.6#

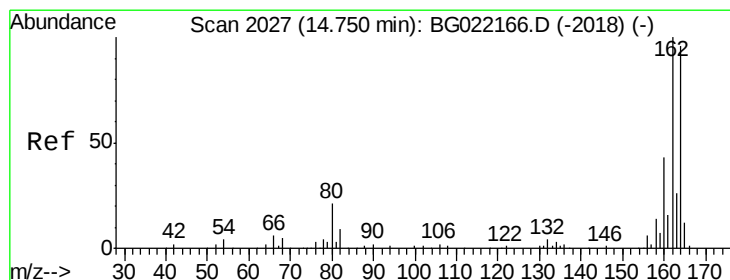
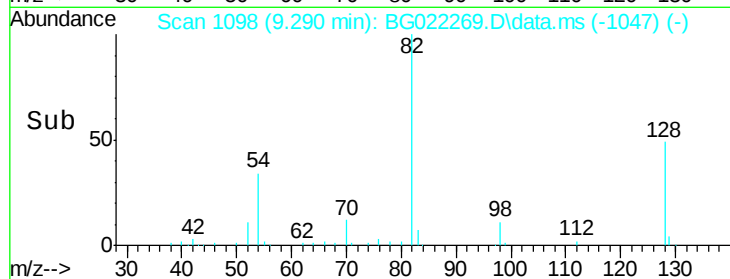
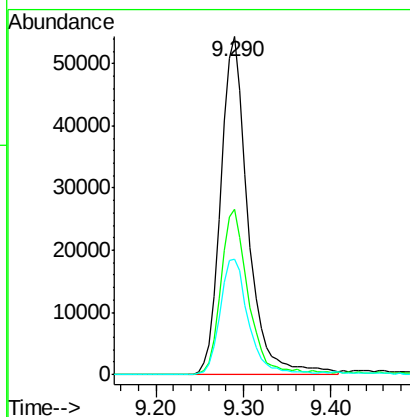
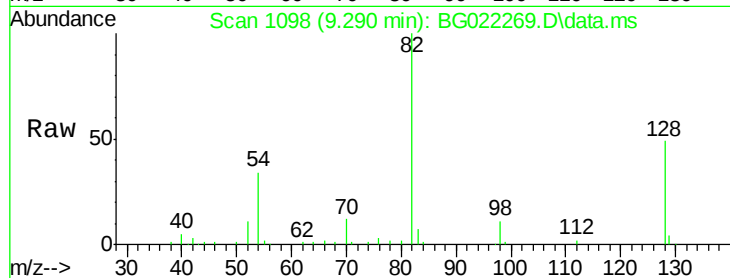




#23
Nitrobenzene-d5
Concen: 34.83 ng
RT: 9.290 min Scan# 1098
Delta R.T. -0.001 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

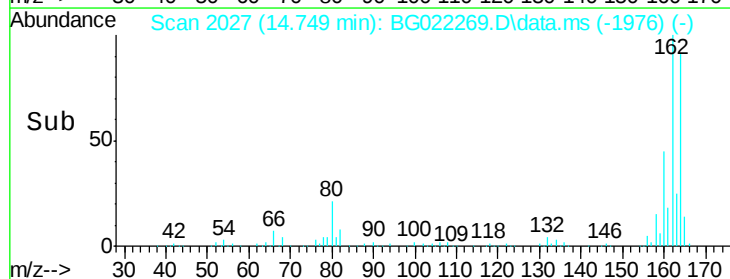
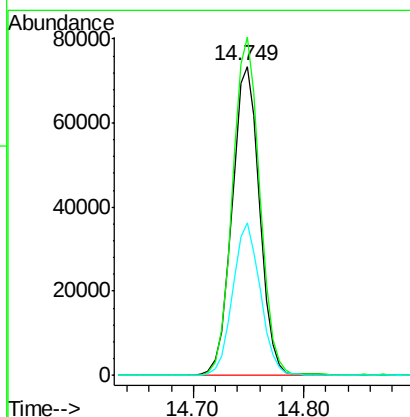
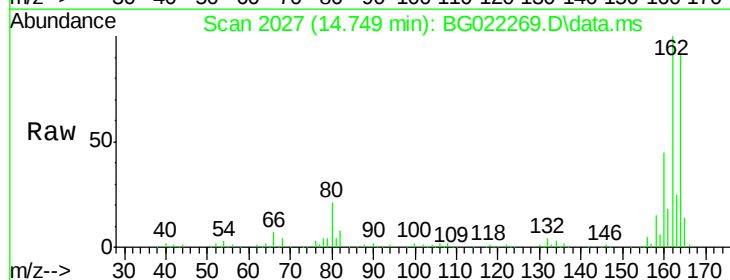
Instrument :
BNA_G
ClientSampled :
SS-49

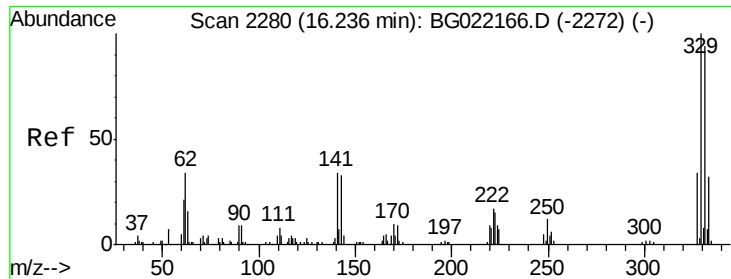
Tot Ion	82	Resp	116893
Ion Ratio	100	Lower	Upper
128	48.7	33.4	50.0
54	34.2	46.1	69.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.749 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion	164	Resp	128563
Ion Ratio	100	Lower	Upper
162	109.5	78.0	117.0
160	49.6	32.9	49.3#

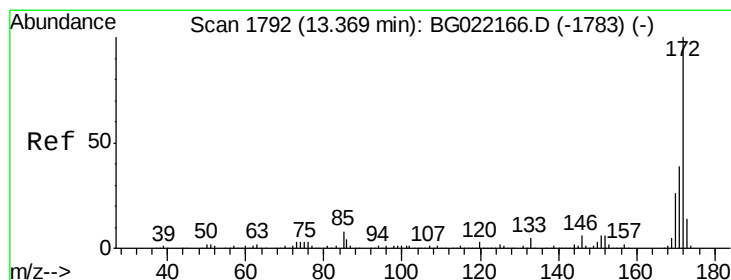
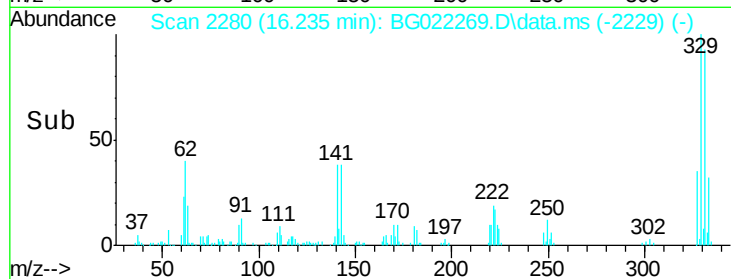
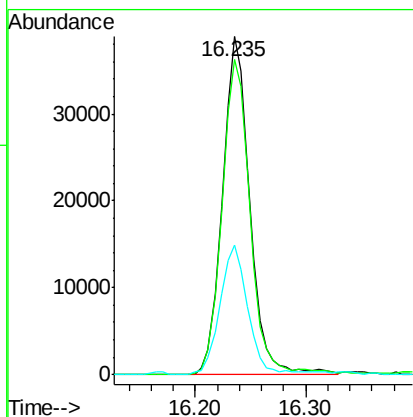
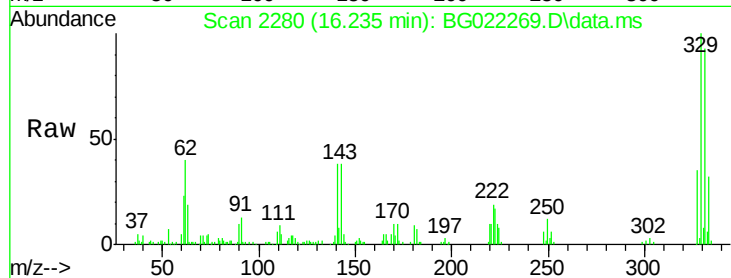




#41
 2,4,6-Tribromophenol
 Concen: 46.27 ng
 RT: 16.235 min Scan# 22
 Delta R.T. -0.001 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

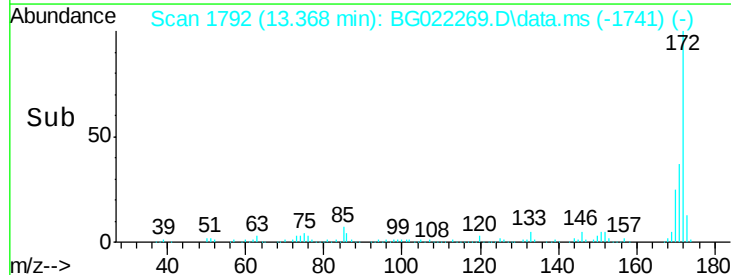
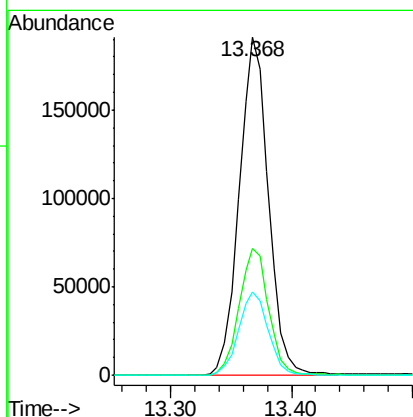
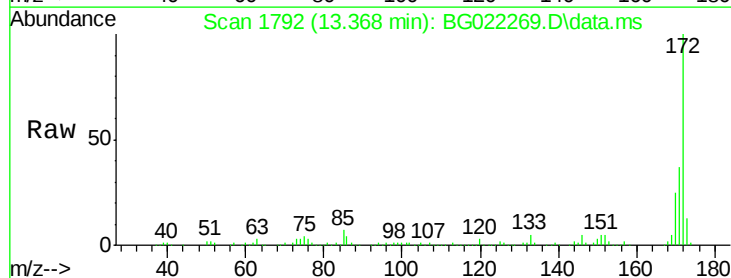
Instrument :
 BNA_G
 ClientSampleId :
 SS-49

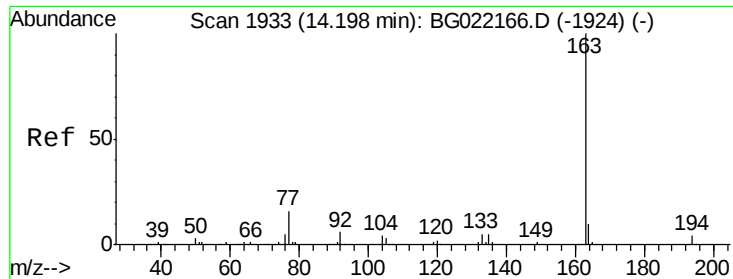
Tot Ion:330 Resp: 67222
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.0 117.0
 141 38.7 33.8 50.8



#44
 2-Fluorobiphenyl
 Concen: 38.10 ng
 RT: 13.368 min Scan# 1792
 Delta R.T. -0.001 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:172 Resp: 321387
 Ion Ratio Lower Upper
 172 100
 171 37.4 27.8 41.6
 170 24.6 19.6 29.4





#49

Dimethylphthalate

Concen: 4.68 ng

RT: 14.190 min Scan# 19

Delta R.T. -0.007 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

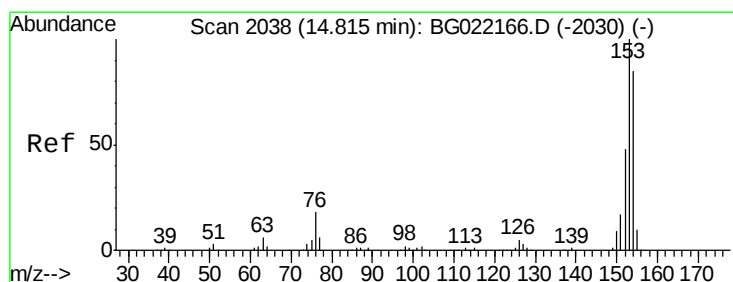
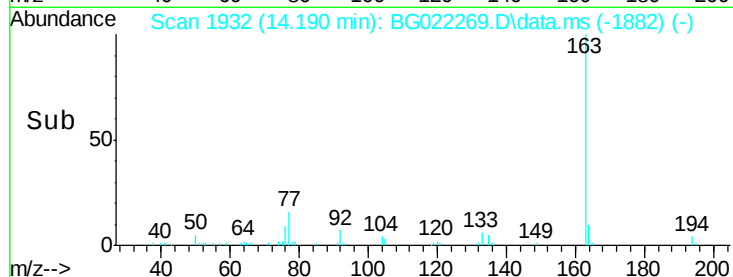
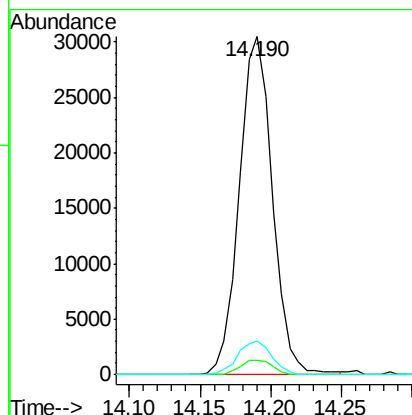
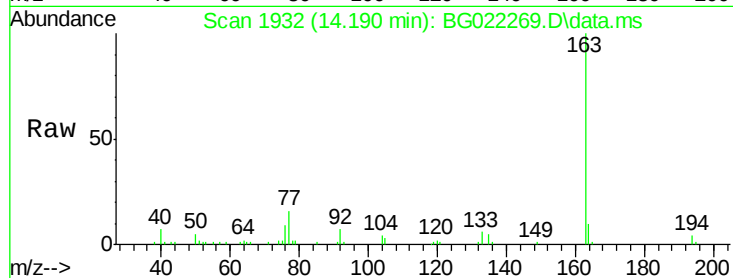
Tot Ion:163 Resp: 49886

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 9.9 8.1 12.1



#51

Acenaphthene

Concen: 2.69 ng

RT: 14.813 min Scan# 2038

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

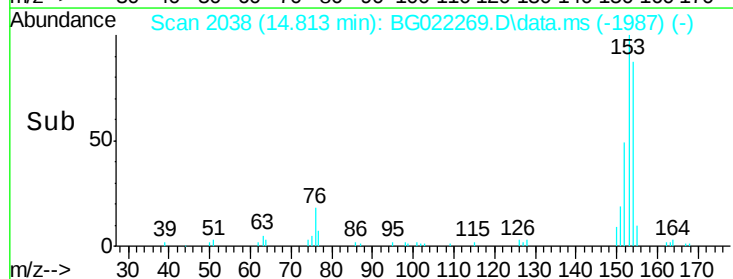
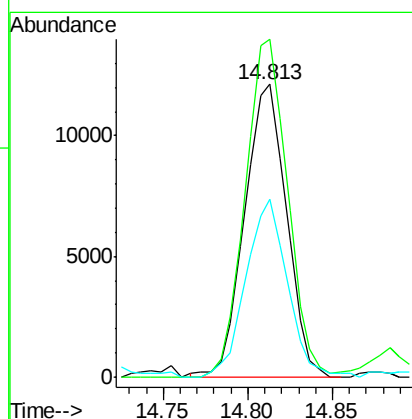
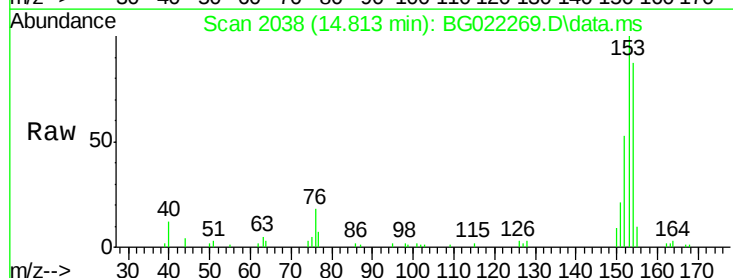
Tgt Ion:154 Resp: 20943

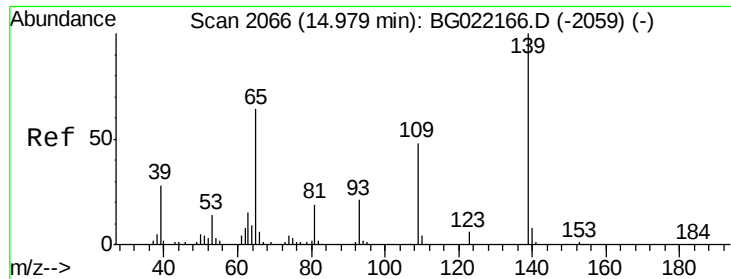
Ion Ratio Lower Upper

154 100

153 115.4 91.9 137.9

152 60.7 42.0 63.0





#55

4-Nitrophenol

Concen: 3.50 ng

RT: 15.148 min Scan# 20

Delta R.T. 0.169 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

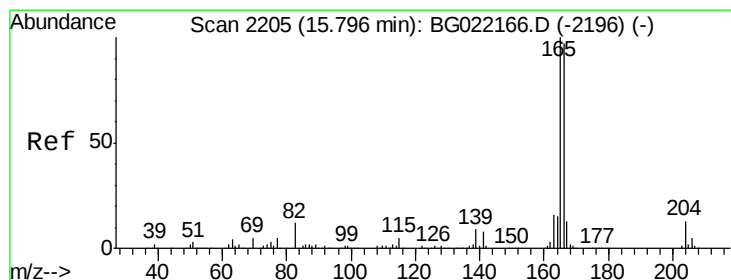
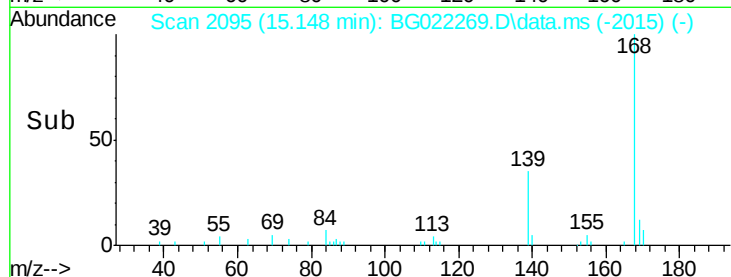
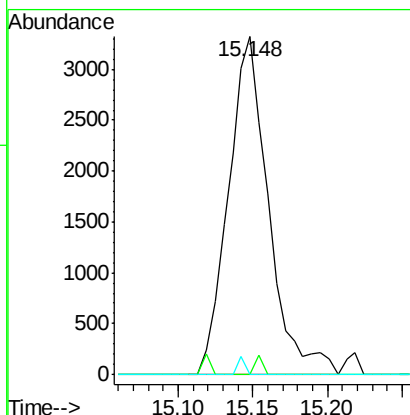
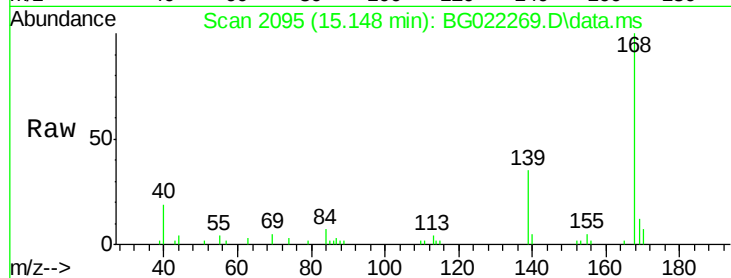
Tot Ion:139 Resp: 6203

Ion Ratio Lower Upper

139 100

109 0.0 49.2 89.2#

65 0.0 83.2 123.2#



#57

Fluorene

Concen: 2.30 ng

RT: 15.794 min Scan# 2205

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

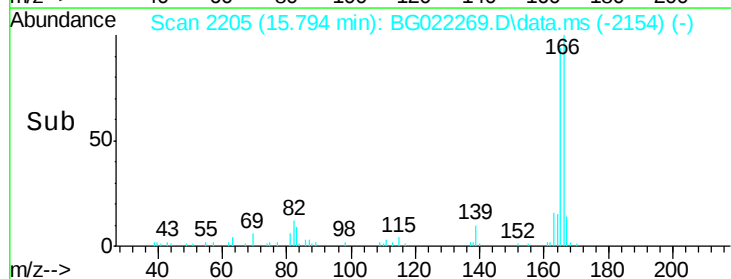
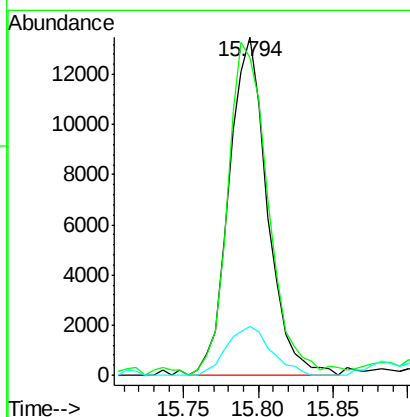
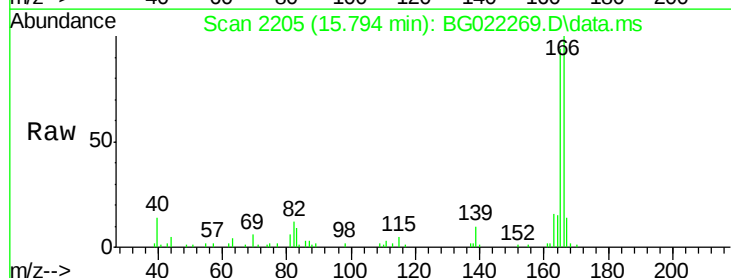
Tgt Ion:166 Resp: 24101

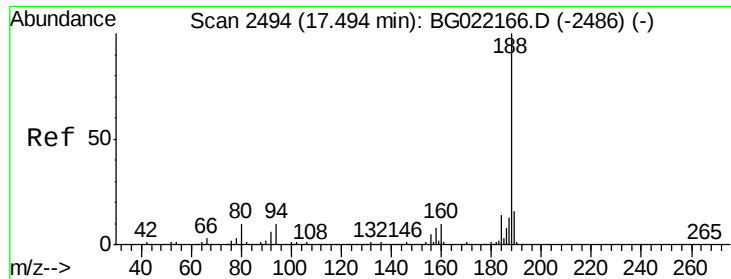
Ion Ratio Lower Upper

166 100

165 94.1 79.0 118.4

167 14.3 10.7 16.1

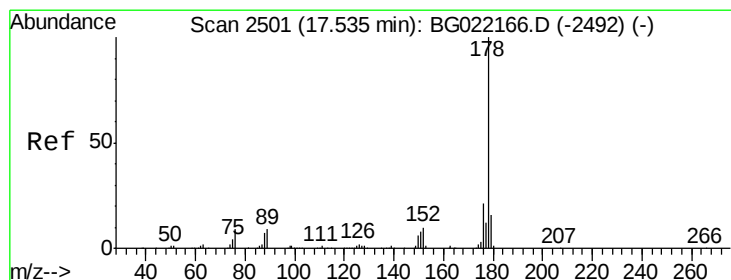
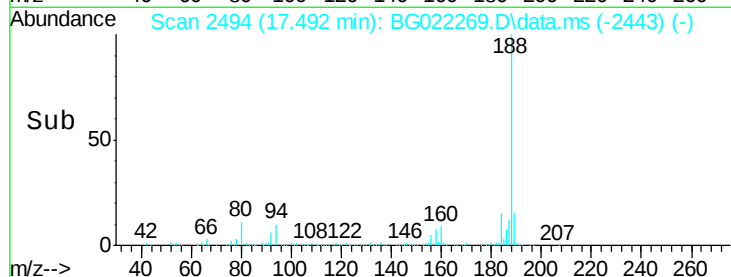
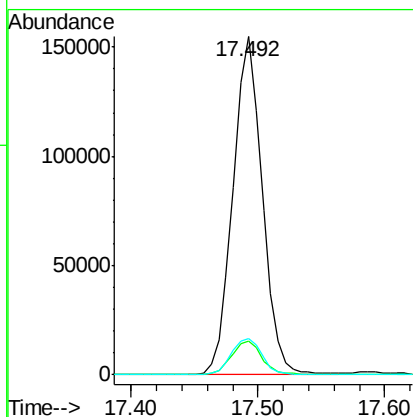
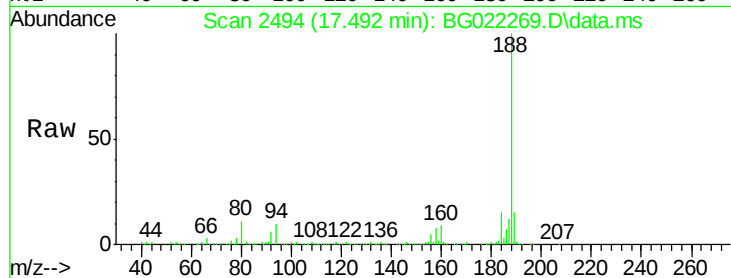




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.492 min Scan# 2494
Delta R.T. -0.001 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

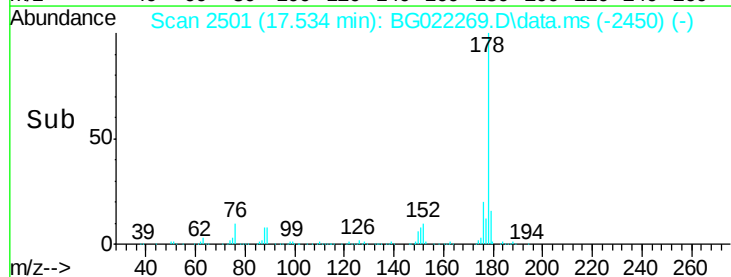
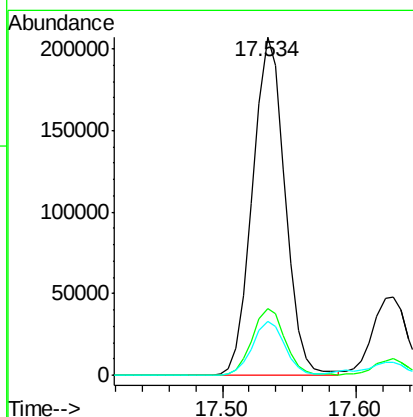
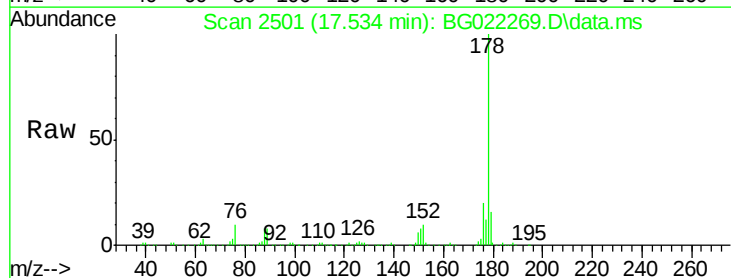
Instrument :
BNA_G
ClientSampleId :
SS-49

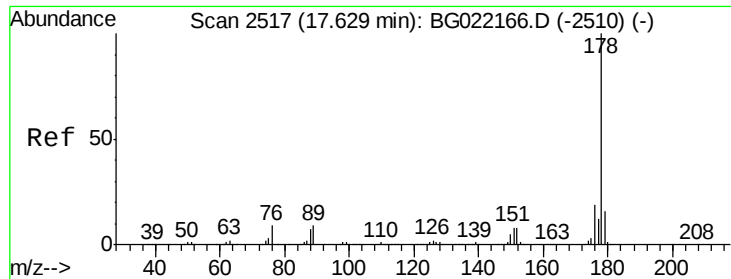
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.5	11.3
80	10.7	8.6	13.0



#70
Phenanthrene
Concen: 25.77 ng
RT: 17.534 min Scan# 2501
Delta R.T. -0.001 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	16.1	12.0	18.0

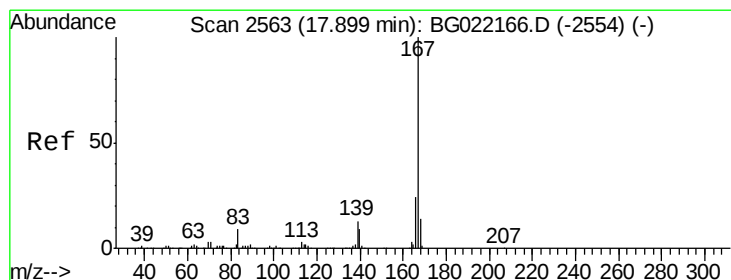
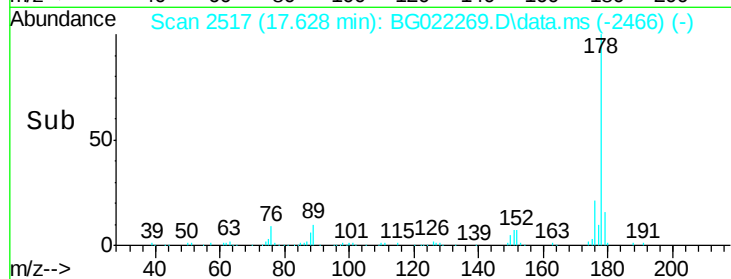
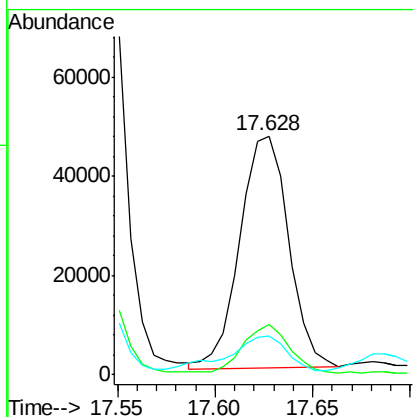
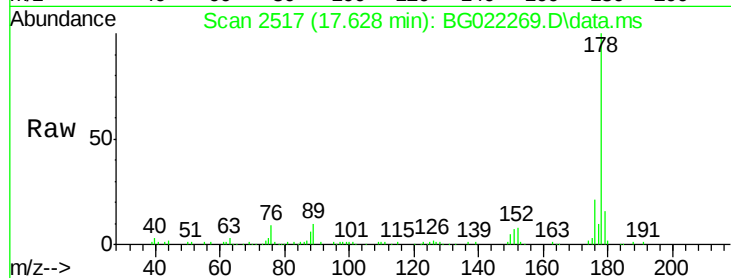




#71
 Anthracene
 Concen: 6.10 ng
 RT: 17.628 min Scan# 2517
 Delta R.T. -0.001 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

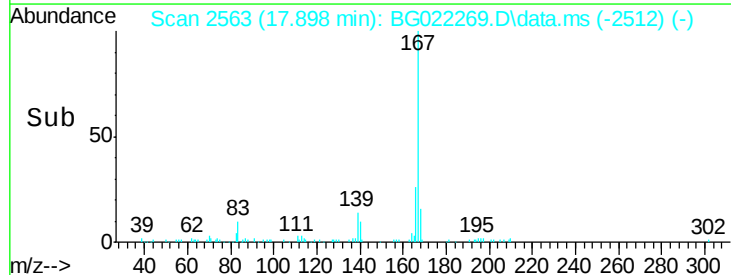
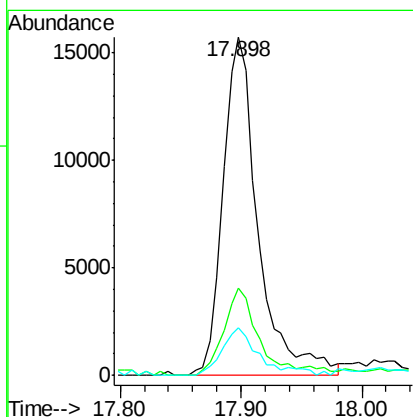
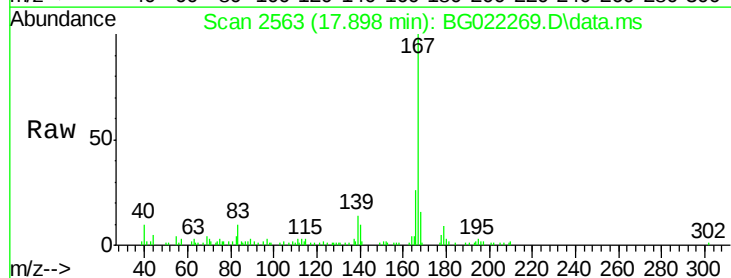
Instrument :
 BNA_G
 ClientSampleId :
 SS-49

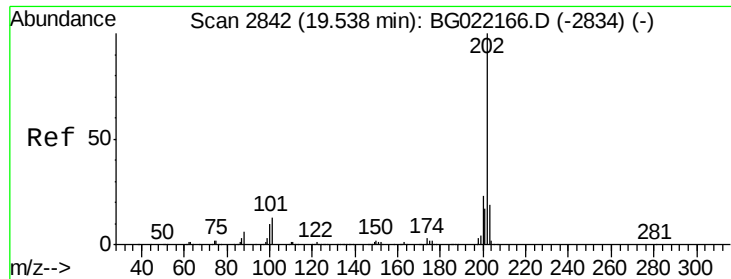
Tot Ion:178 Resp: 81340
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.0 22.4
 179 16.3 12.2 18.4



#72
 Carbazole
 Concen: 2.50 ng
 RT: 17.898 min Scan# 2563
 Delta R.T. -0.001 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:167 Resp: 31539
 Ion Ratio Lower Upper
 167 100
 166 25.9 18.6 27.8
 139 14.0 10.6 15.8





#74

Fluoranthene

Concen: 31.36 ng

RT: 19.537 min Scan# 2842

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

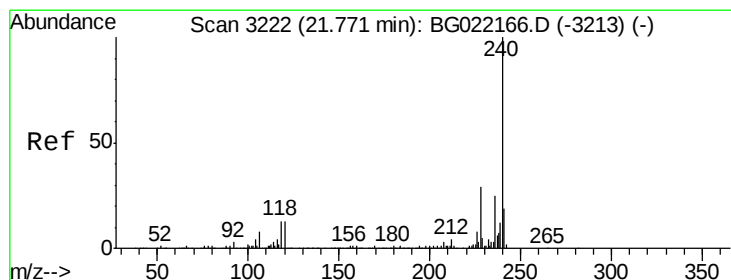
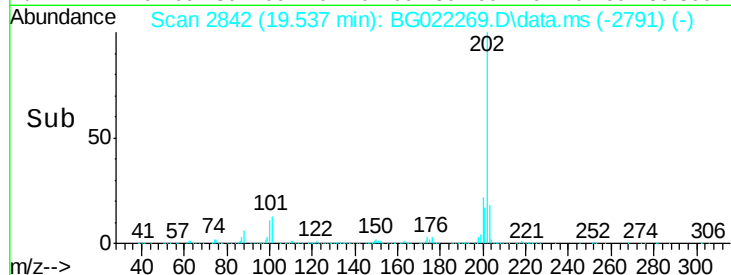
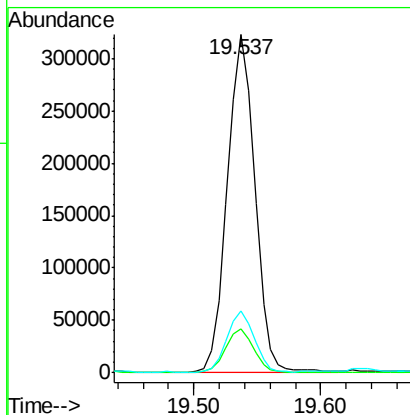
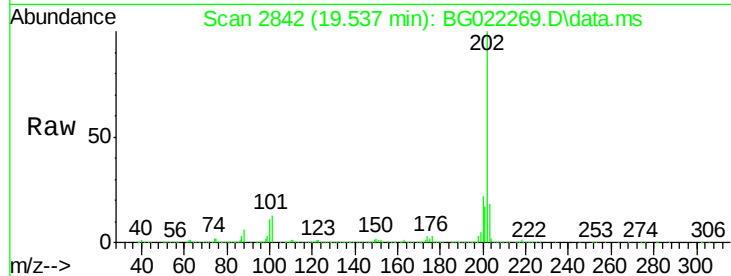
Tot Ion:202 Resp: 484774

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.0

203 18.3 0.0 37.9



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.770 min Scan# 3222

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

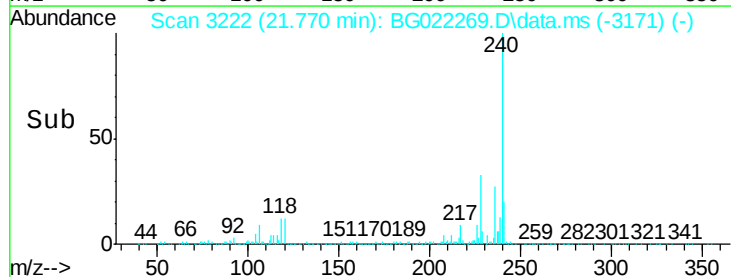
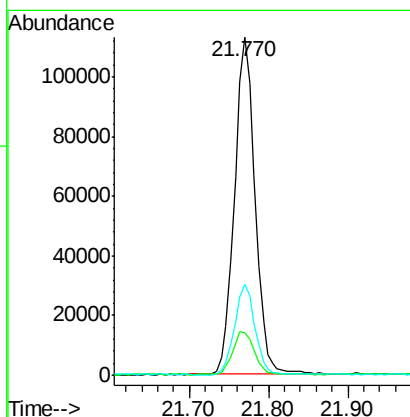
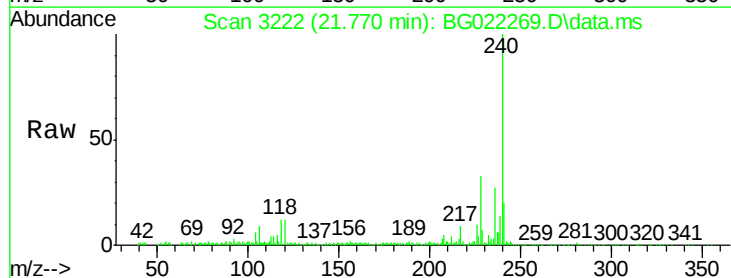
Tgt Ion:240 Resp: 203473

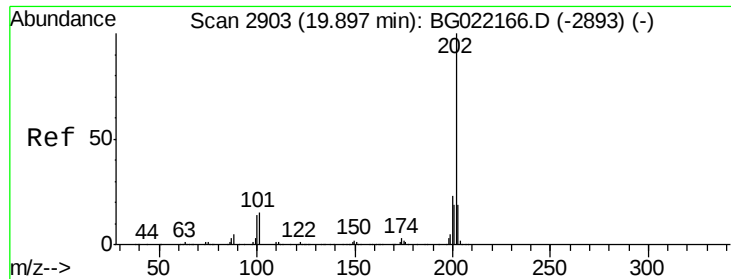
Ion Ratio Lower Upper

240 100

120 12.4 8.4 12.6

236 26.9 19.6 29.4

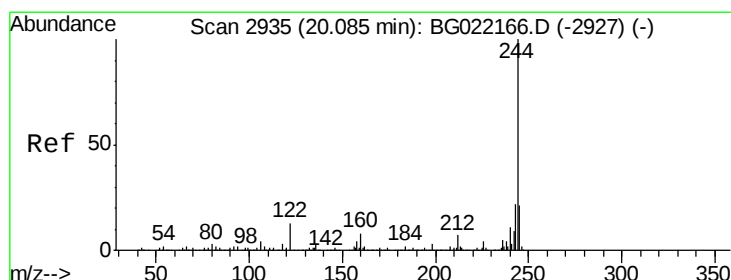
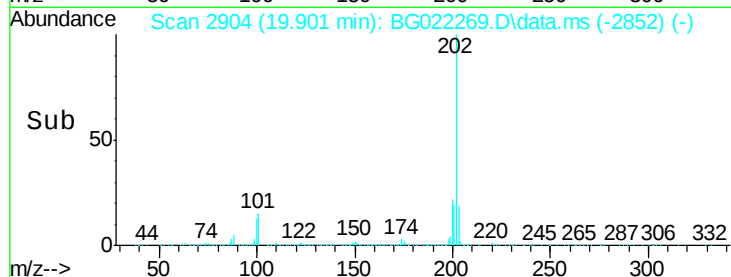
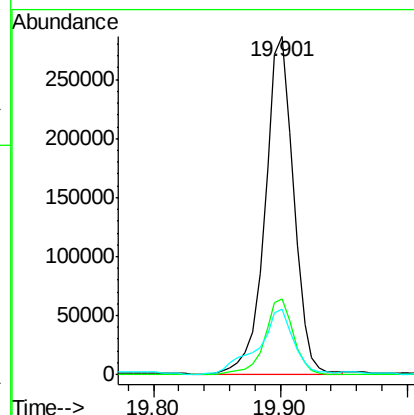
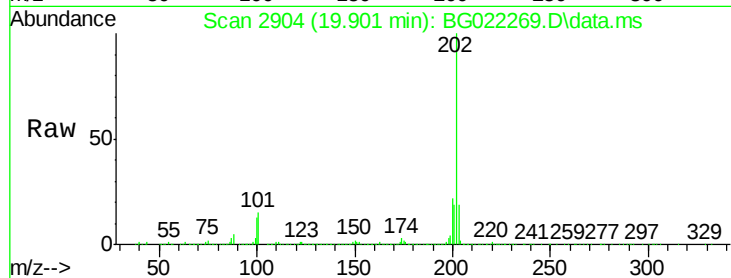




#77
Pvrene
Concen: 35.34 ng
RT: 19.901 min Scan# 2903
Delta R.T. 0.005 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

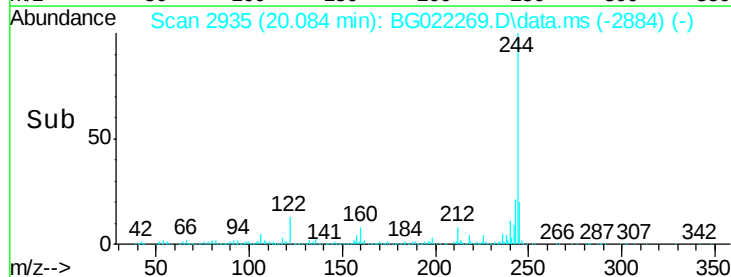
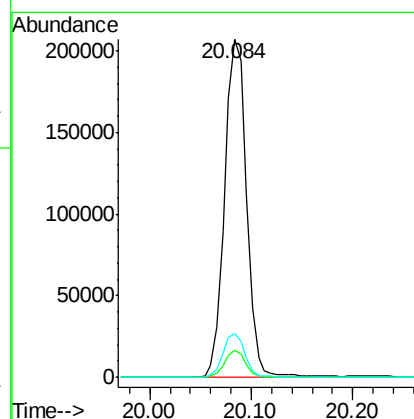
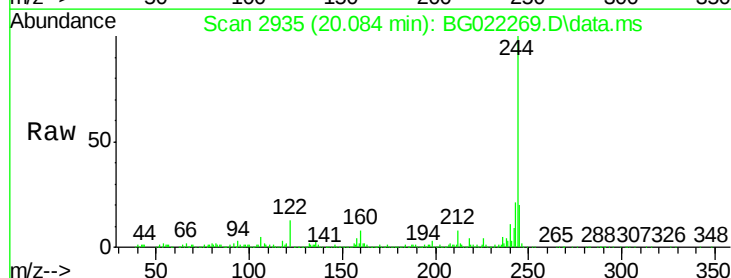
Instrument :
BNA_G
ClientSampleId :
SS-49

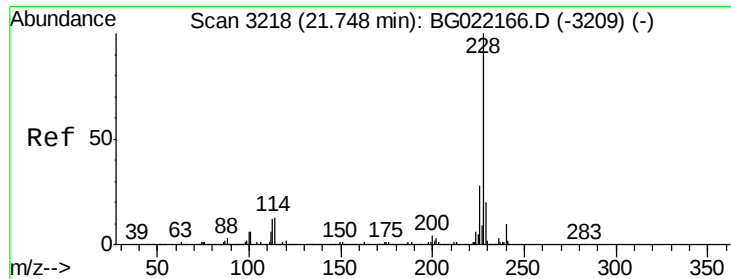
Tot Ion:	202	Resp:	446971
Ion Ratio	Lower	Upper	
202	100		
200	22.3	18.2	27.2
203	19.2	15.0	22.4



#78
Terphenyl-d14
Concen: 36.40 ng
RT: 20.084 min Scan# 2935
Delta R.T. -0.001 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion:	244	Resp:	311997
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.5	9.7
122	12.8	8.6	12.8





#80

Benzo(a)anthracene

Concen: 20.16 ng

RT: 21.752 min Scan# 3218

Delta R.T. 0.005 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

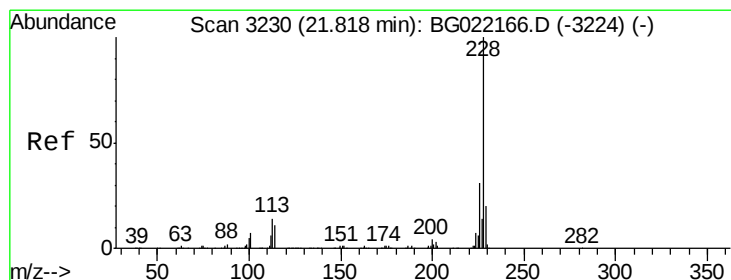
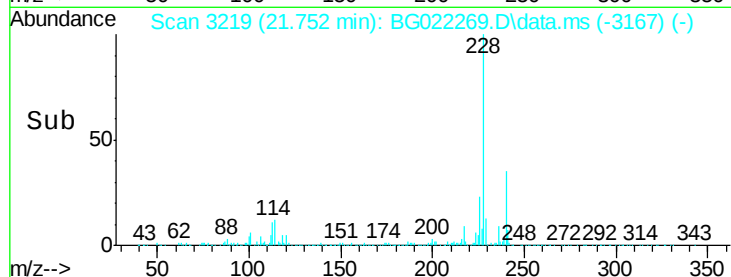
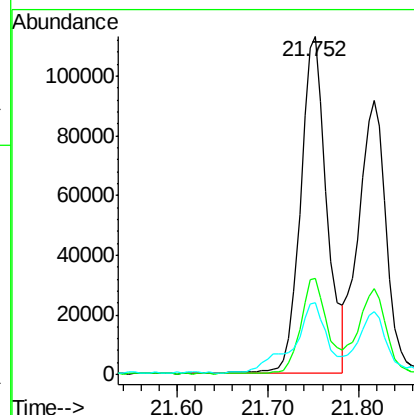
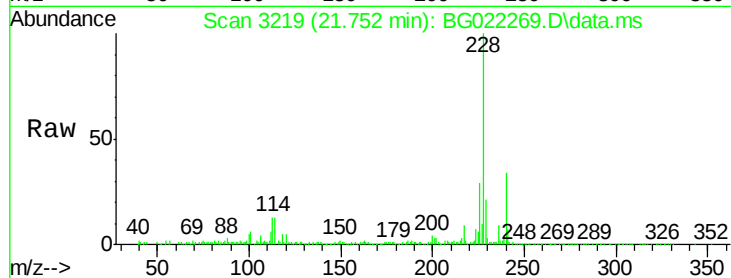
Tot Ion:228 Resp: 229975

Ion Ratio Lower Upper

228 100

226 28.6 22.6 34.0

229 21.3 16.1 24.1



#82

Chrysene

Concen: 17.24 ng

RT: 21.817 min Scan# 3230

Delta R.T. -0.001 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

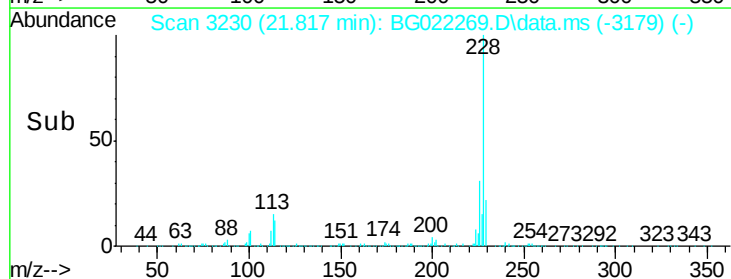
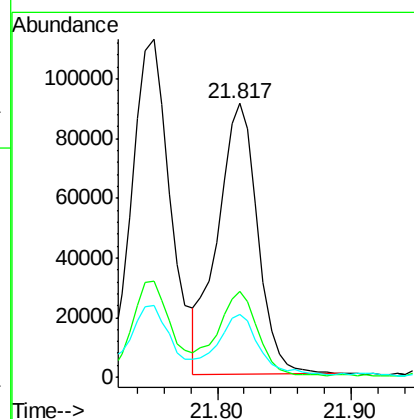
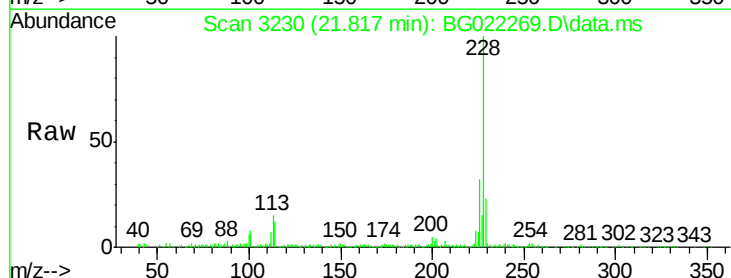
Tgt Ion:228 Resp: 191393

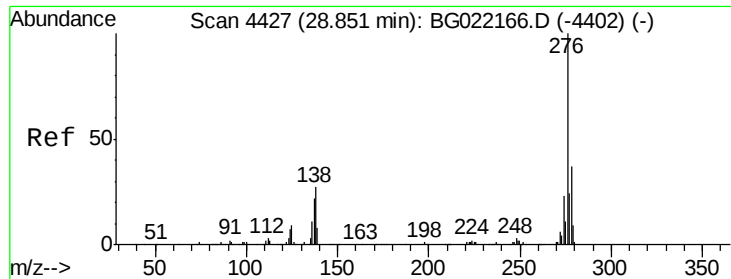
Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.0

229 22.8 15.9 23.9

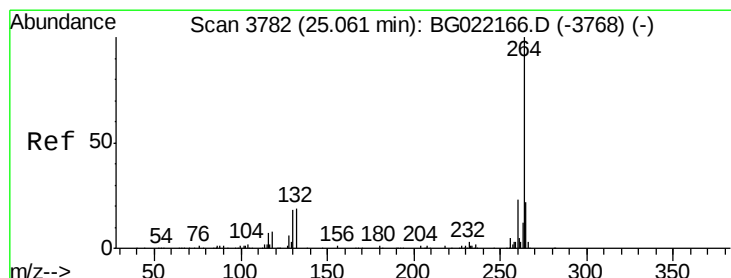
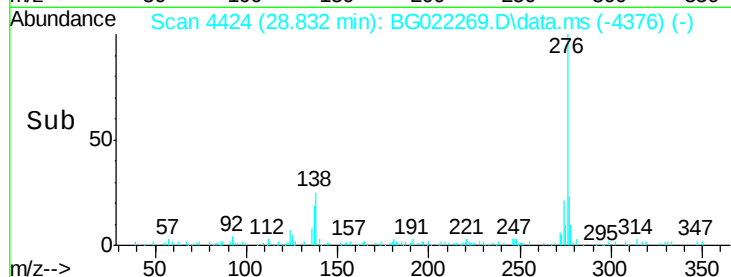
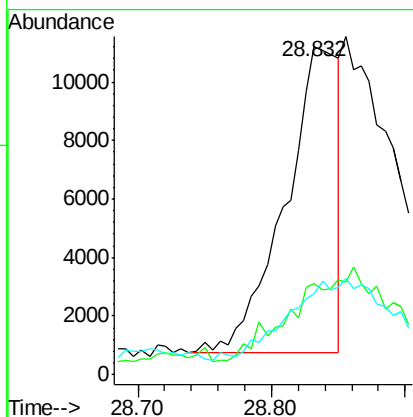
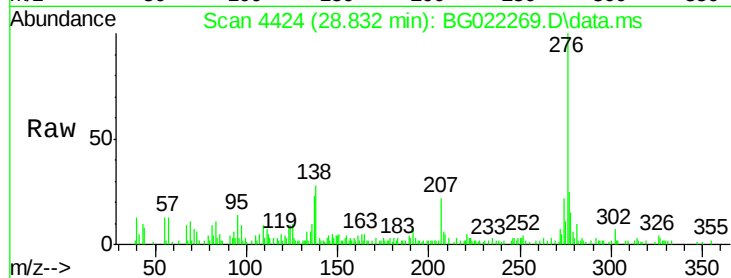




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.33 ng
 RT: 28.832 min Scan# 44
 Delta R.T. -0.019 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

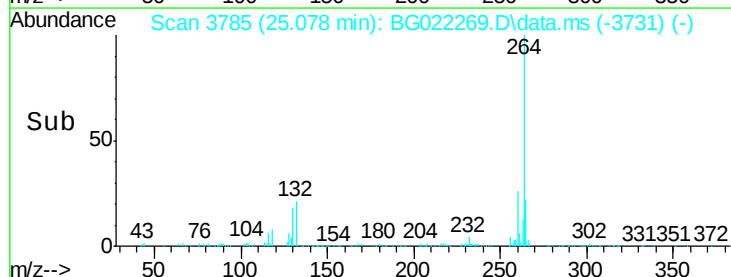
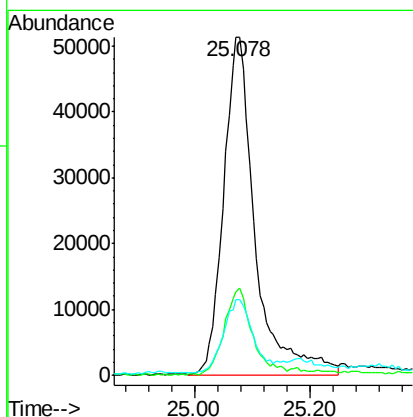
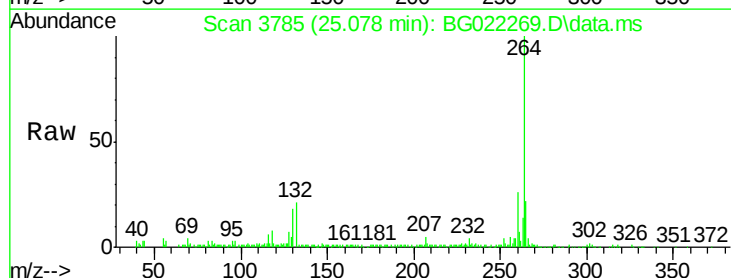
Instrument :
 BNA_G
 ClientSampleId :
 SS-49

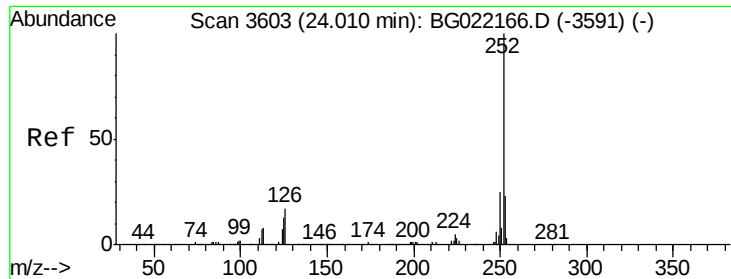
Tot Ion:276 Resp: 28970
 Ion Ratio Lower Upper
 276 100
 138 19.6 14.0 21.0
 277 0.0 20.6 30.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.078 min Scan# 3785
 Delta R.T. 0.016 min
 Lab File: BG022269.D
 Acq: 9 Jun 2016 15:13

Tgt Ion:264 Resp: 194913
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.2 30.4
 265 22.4 17.8 26.8

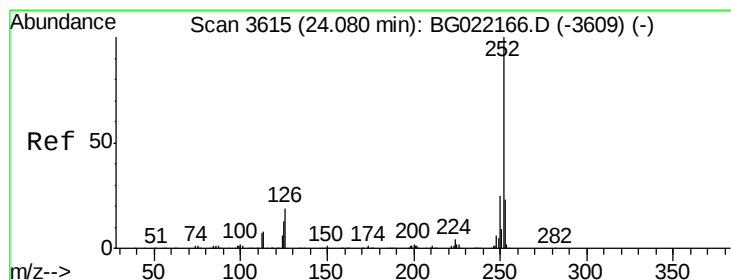
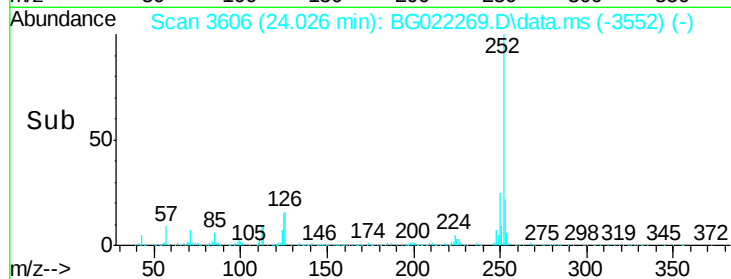
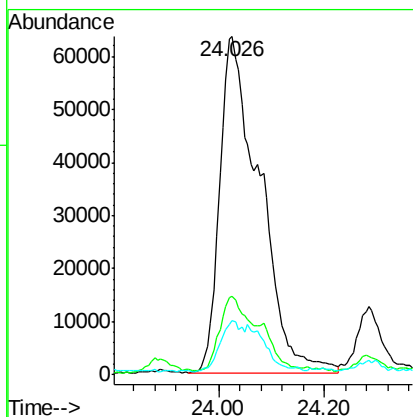
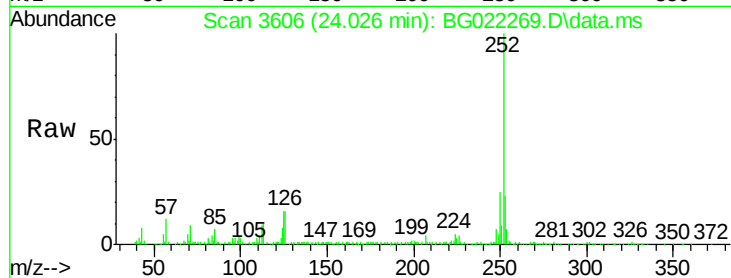




#87
Benzo(b)fluoranthene
Concen: 29.20 ng
RT: 24.026 min Scan# 3606
Delta R.T. 0.016 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

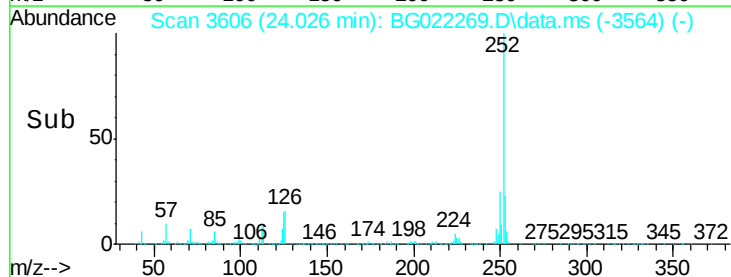
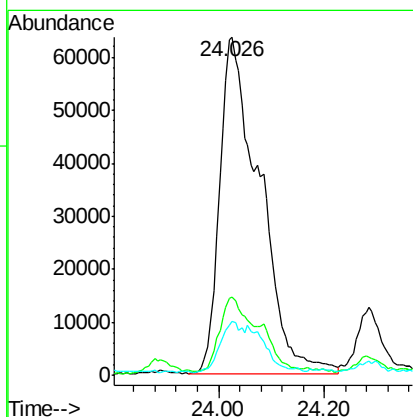
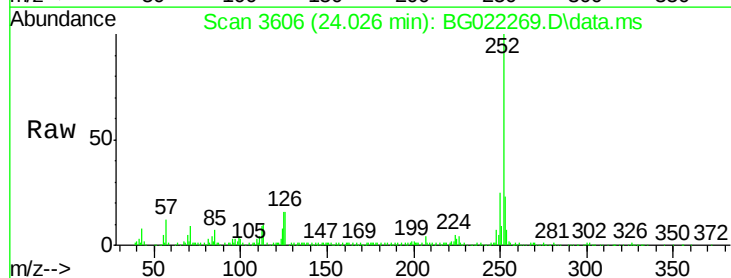
Instrument :
BNA_G
ClientSampleId :
SS-49

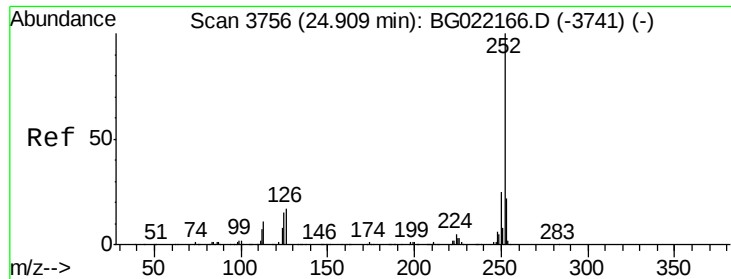
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.8	8.6	13.0



#88
Benzo(k)fluoranthene
Concen: 29.67 ng
RT: 24.026 min Scan# 3606
Delta R.T. -0.054 min
Lab File: BG022269.D
Acq: 9 Jun 2016 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	15.8	8.3	12.5





#89

Benzo(a)pyrene

Concen: 14.80 ng

RT: 24.913 min Scan# 37

Delta R.T. 0.005 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Instrument :

BNA_G

ClientSampleId :

SS-49

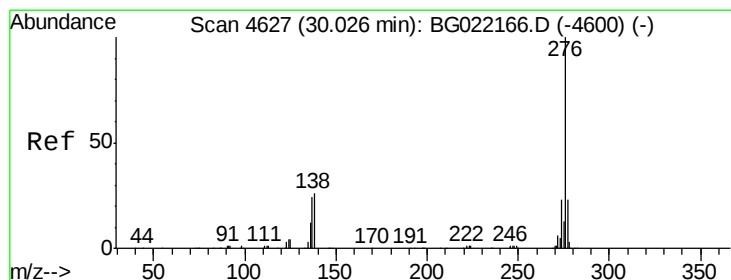
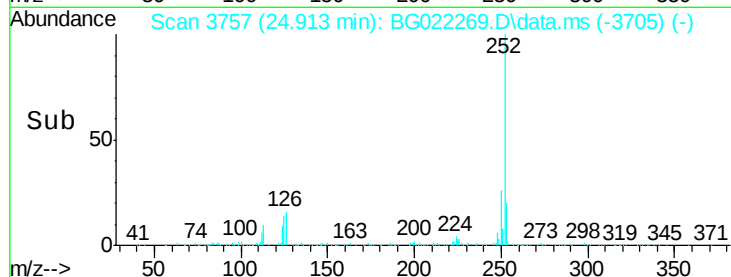
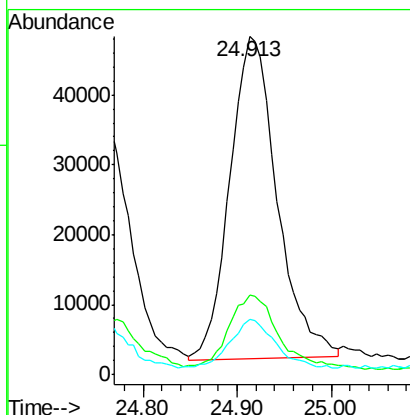
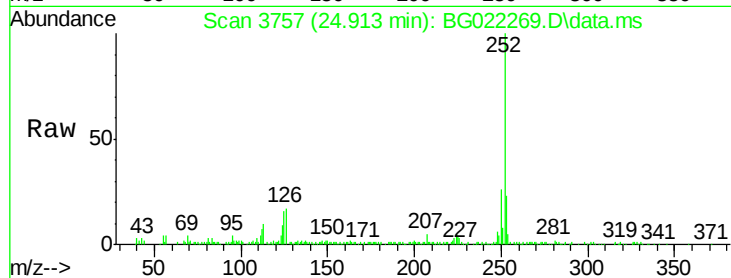
Tot Ion:252 Resp: 160868

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

125 16.2 9.6 14.4#



#91

Benzo(g,h,i)perylene

Concen: 5.35 ng

RT: 30.042 min Scan# 4630

Delta R.T. 0.016 min

Lab File: BG022269.D

Acq: 9 Jun 2016 15:13

Tgt Ion:276 Resp: 57027

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.2

138 27.5 17.4 26.0#

