

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062116\
 Data File : BG022497.D
 Acq On : 22 Jun 2016 13:29
 Operator : UM/SJ
 Sample : H3471-13DL 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1065-(0-4)DL

Quant Time: Jun 22 14:21:52 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:27:56 2016
 Response via : Initial Calibration

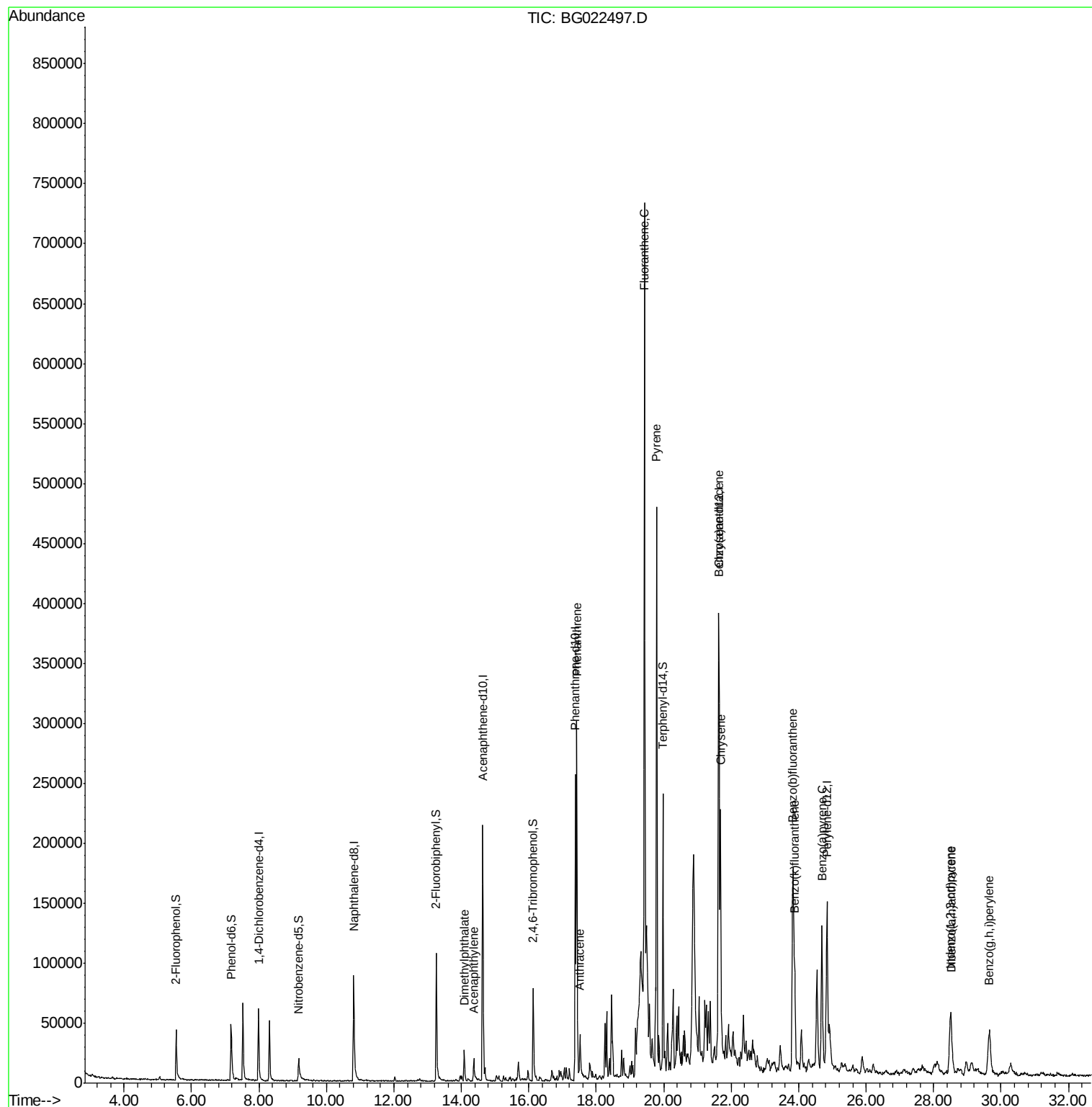
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	23256	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	122690	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	85206	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	179157	20.00	ng	0.00
75) Chrysene-d12	21.64	240	151612	20.00	ng	0.00
86) Perylene-d12	24.84	264	139014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	37573	31.24	ng	0.00
7) Phenol-d6	7.17	99	57299	30.30	ng	0.00
23) Nitrobenzene-d5	9.17	82	25227	14.34	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	16150	16.77	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	85156	15.23	ng	0.00
78) Terphenyl-d14	19.98	244	96183	15.06	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	14.36	152	23608	2.74	ng	# 95
49) Dimethylphthalate	14.08	163	26230	3.71	ng	97
70) Phenanthrene	17.42	178	205831	21.15	ng	98
71) Anthracene	17.51	178	39226	4.06	ng	97
74) Fluoranthene	19.43	202	399266	35.69	ng	95
77) Pyrene	19.79	202	294911	31.29	ng	100
80) Benzo(a)anthracene	21.62	228	161766	19.03	ng	98
82) Chrysene	21.68	228	136036	16.44	ng	97
85) Indeno(1,2,3-cd)pyrene	28.50	276	77507	8.35	ng	# 84
87) Benzo(b)fluoranthene	23.82	252	177800m	21.93	ng	
88) Benzo(k)fluoranthene	23.88	252	69839m	8.75	ng	
89) Benzo(a)pyrene	24.69	252	114780	14.81	ng	# 91
90) Dibenzo(a,h)anthracene	28.52	278	19272	2.64	ng	# 86
91) Benzo(g,h,i)perylene	29.65	276	69719	9.18	ng	# 83

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 876

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

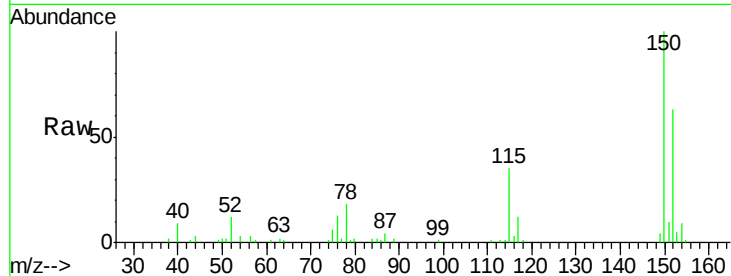
Tot Ion:152 Resp: 23256

Ion Ratio Lower Upper

152 100

150 159.9 130.1 195.1

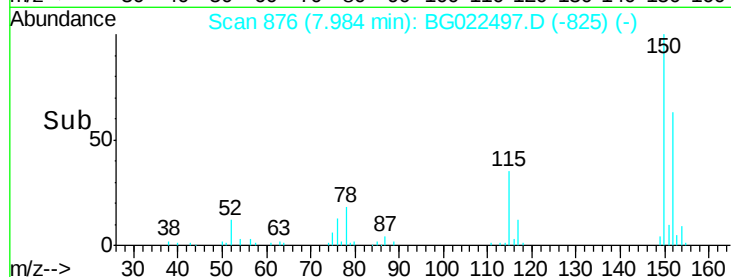
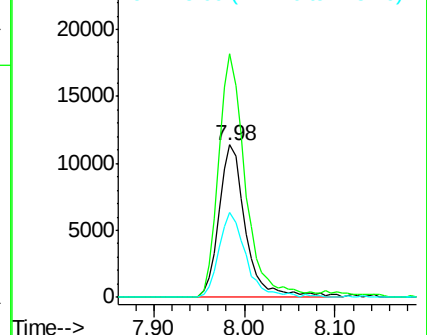
115 55.8 62.2 93.2#



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: 31.24 ng

RT: 5.54 min Scan# 460

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

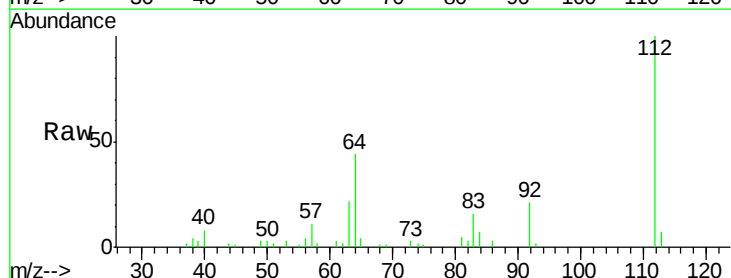
Tgt Ion:112 Resp: 37573

Ion Ratio Lower Upper

112 100

64 43.9 51.1 76.7#

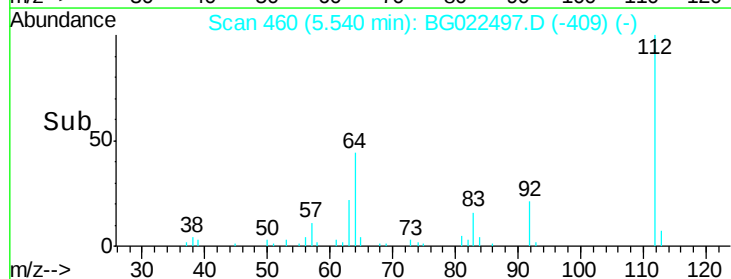
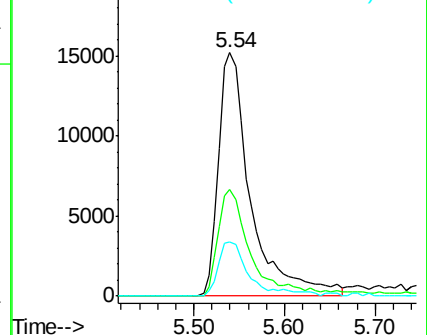
63 22.4 24.6 37.0#



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: 30.30 ng

RT: 7.17 min Scan# 738

Delta R.T. -0.01 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

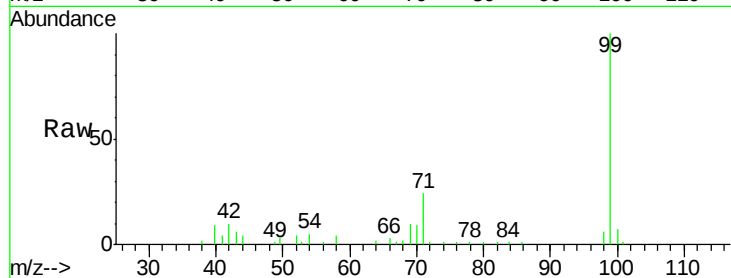
Tot Ion: 99 Resp: 57299

Ion Ratio Lower Upper

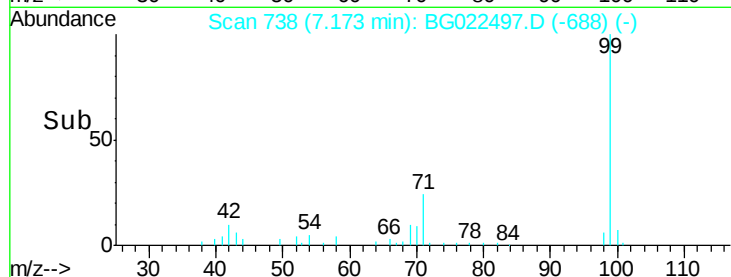
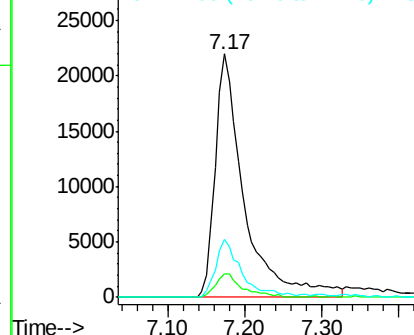
99 100

42 9.7 16.4 24.6#

71 23.6 25.0 37.4#



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: 20.00 ng

RT: 10.81 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Tgt Ion: 136 Resp: 122690

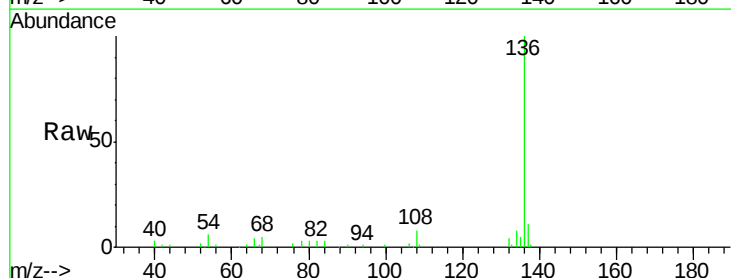
Ion Ratio Lower Upper

136 100

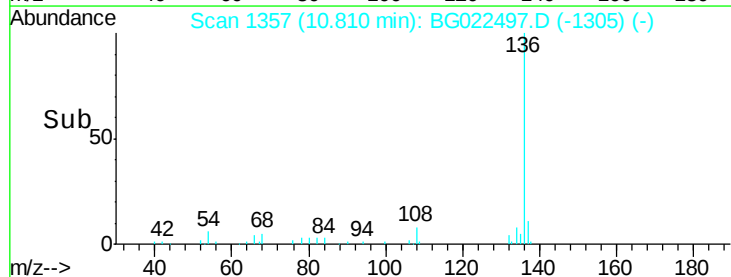
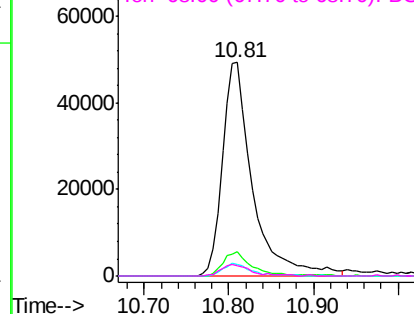
137 11.2 9.0 13.4

54 5.6 9.6 14.4#

68 4.9 6.4 9.6#



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

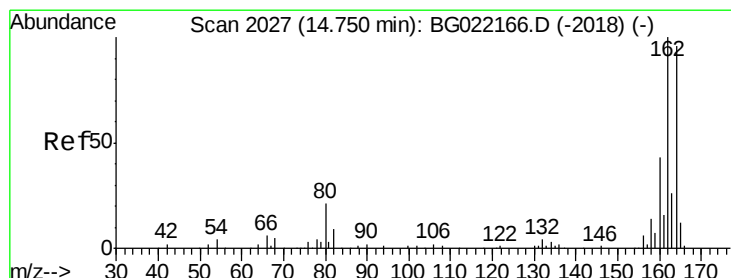
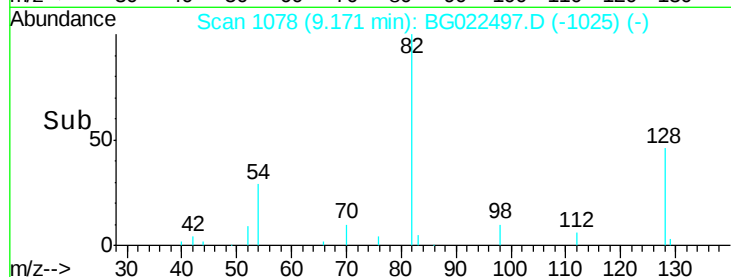
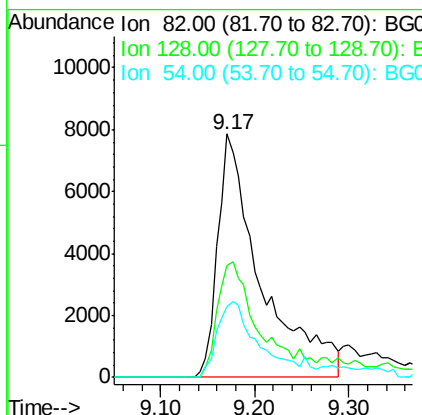
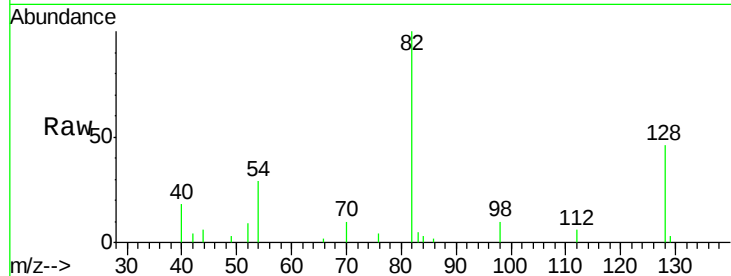




#23
 Nitrobenzene-d5
 Concen: 14.34 ng
 RT: 9.17 min Scan# 1078
 Delta R.T. 0.01 min
 Lab File: BG022497.D
 Acq: 22 Jun 2016 13:29

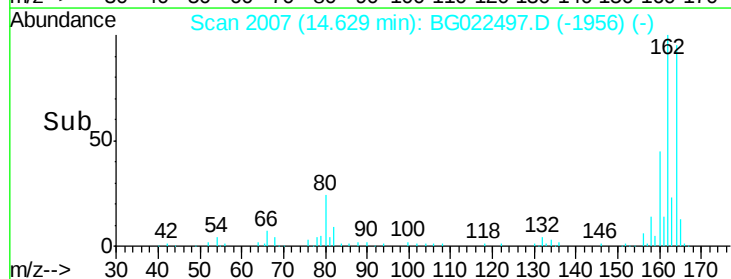
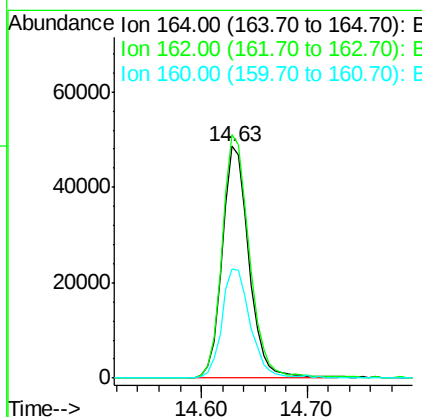
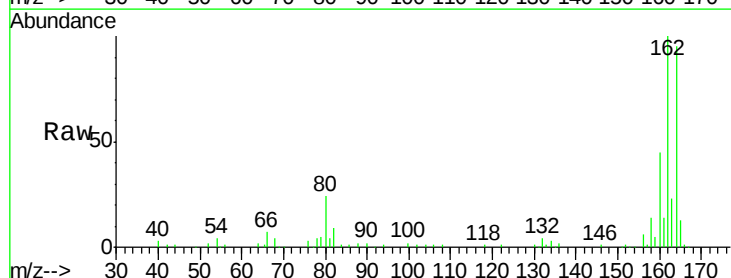
Instrument :
 BNA_G
 ClientSampleID :
 STA-1065-(0-4)DL

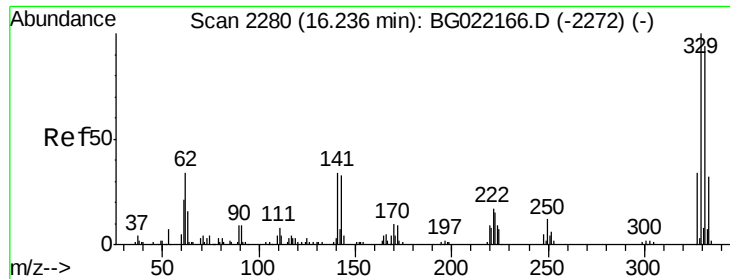
Tot Ion	82	Resp	25227
Ion Ratio	Lower	Upper	
82	100		
128	45.8	33.4	50.0
54	29.3	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BG022497.D
 Acq: 22 Jun 2016 13:29

Tgt Ion	164	Resp	85206
Ion Ratio	Lower	Upper	
164	100		
162	105.0	78.0	117.0
160	47.2	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 16.77 ng

RT: 16.13 min Scan# 2262

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

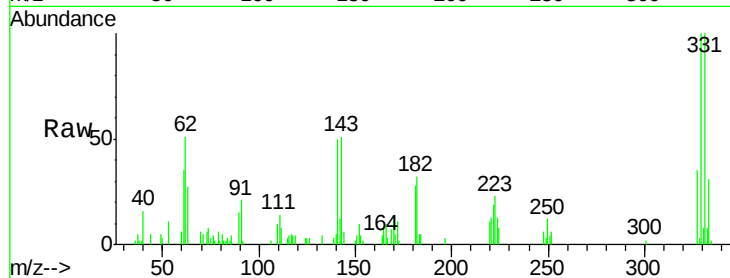
Tot Ion:330 Resp: 16150

Ion Ratio Lower Upper

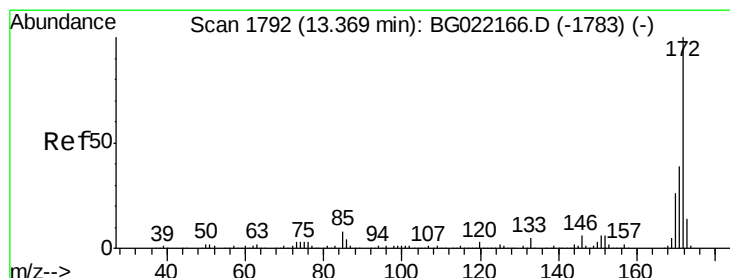
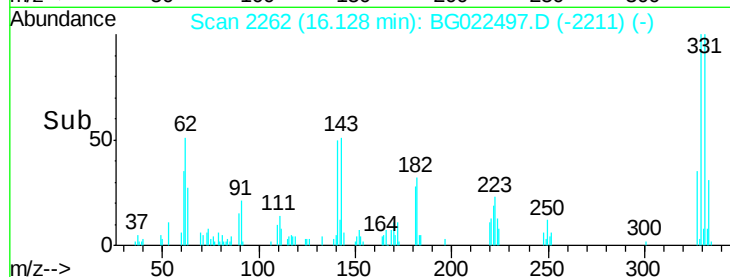
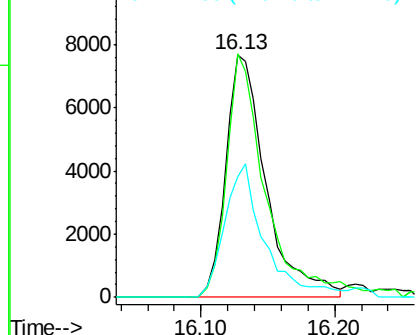
330 100

332 97.8 78.0 117.0

141 54.3 33.8 50.8#



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



#44

2-Fluorobiphenyl

Concen: 15.23 ng

RT: 13.25 min Scan# 1773

Delta R.T. 0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

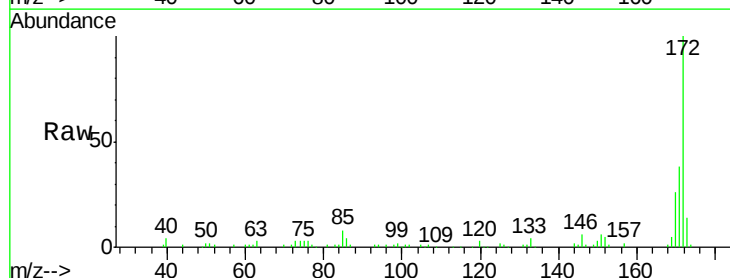
Tgt Ion:172 Resp: 85156

Ion Ratio Lower Upper

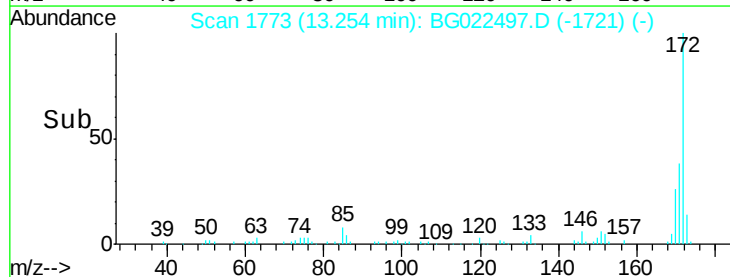
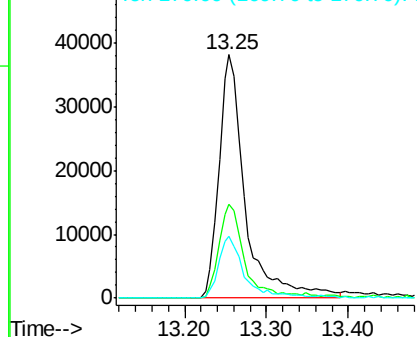
172 100

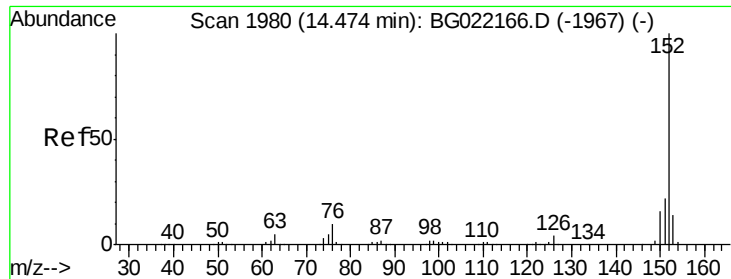
171 38.3 27.8 41.6

170 25.5 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.74 ng

RT: 14.36 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

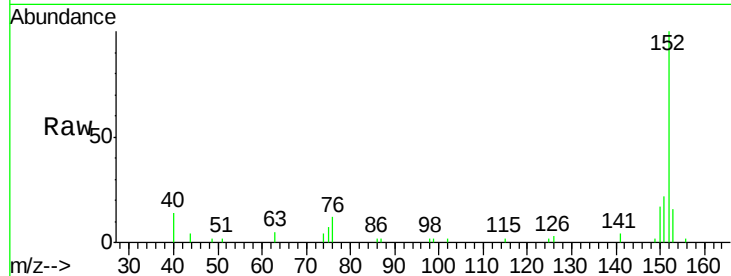
Tot Ion:152 Resp: 23608

Ion Ratio Lower Upper

152 100

151 21.8 16.6 24.8

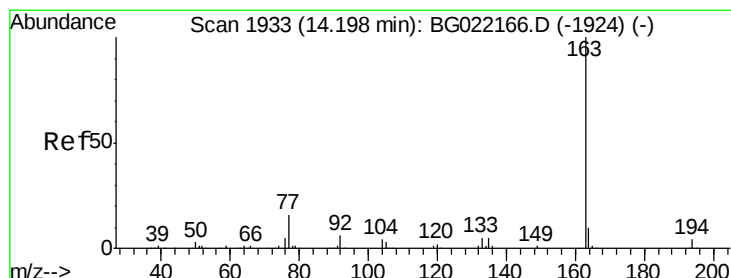
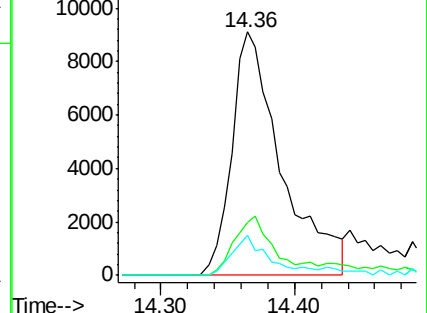
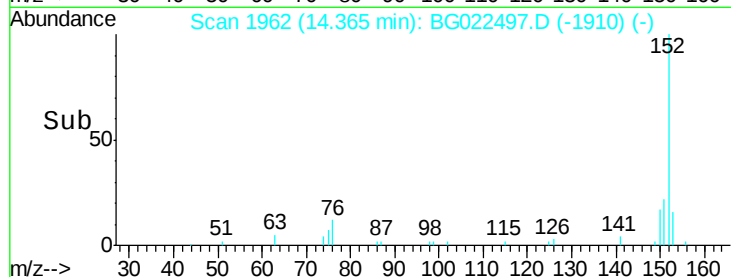
153 16.2 10.2 15.2#



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

Dimethylphthalate

Concen: 3.71 ng

RT: 14.08 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

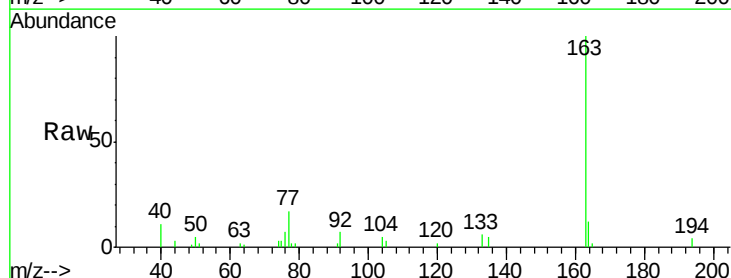
Tgt Ion:163 Resp: 26230

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

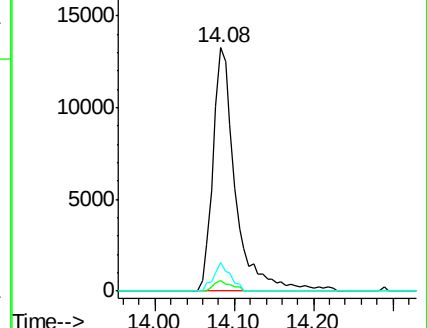
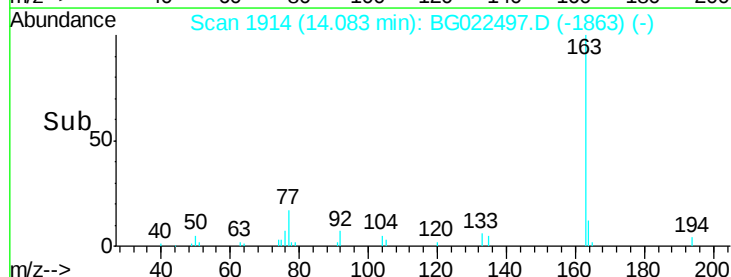
164 11.5 8.1 12.1

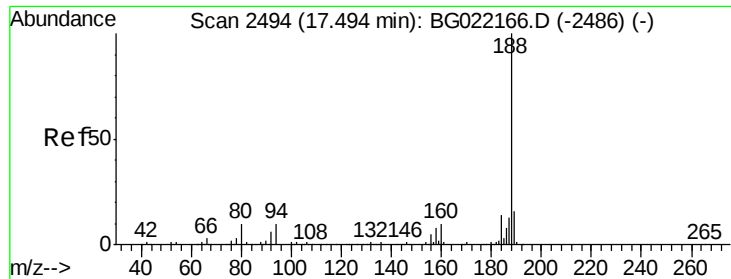


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

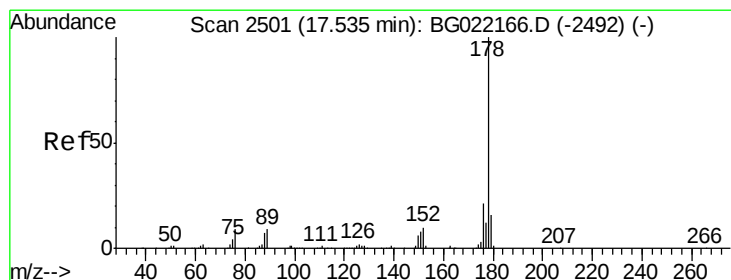
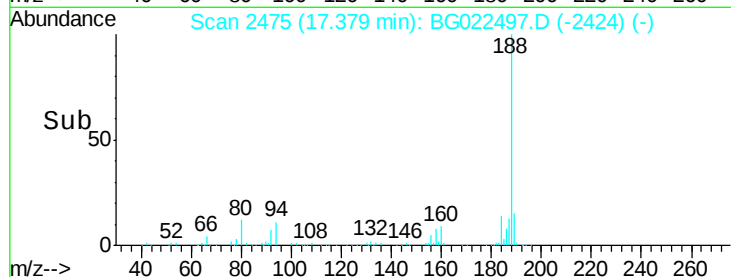
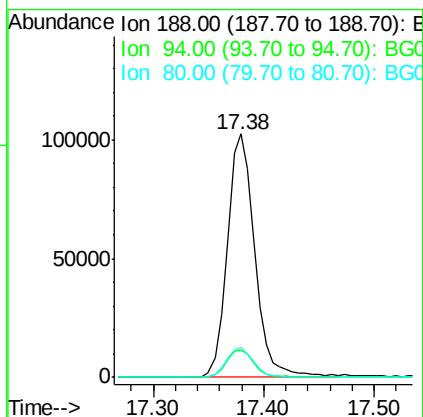
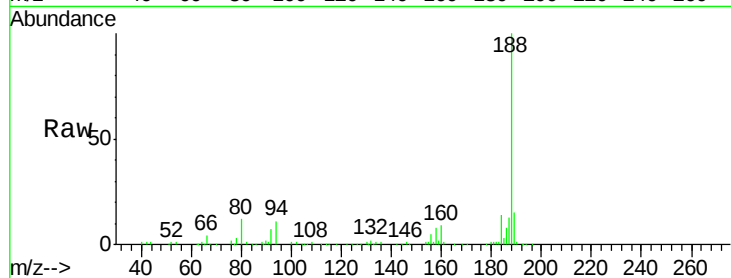




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.38 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BG022497.D
Acq: 22 Jun 2016 13:29

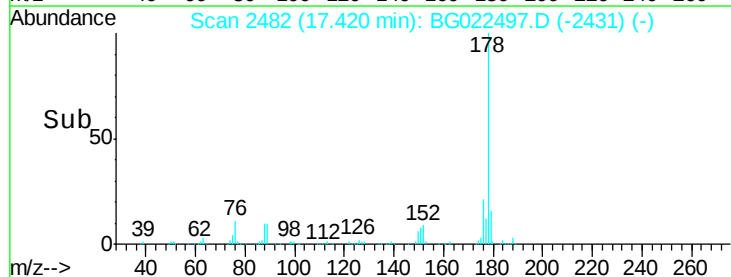
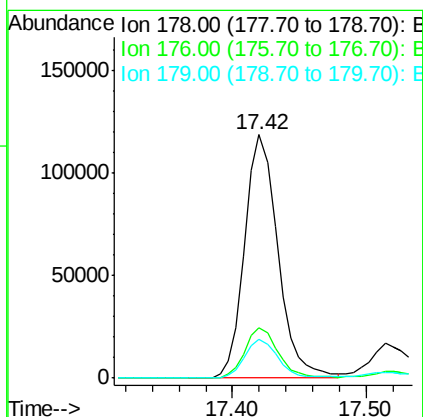
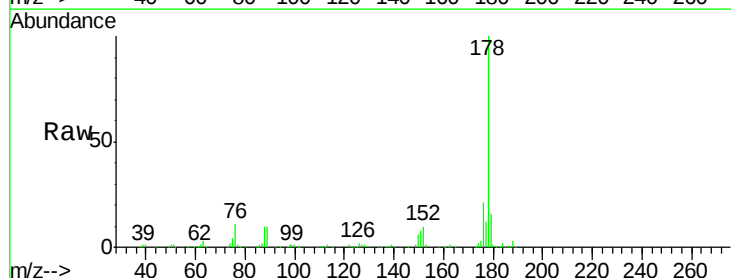
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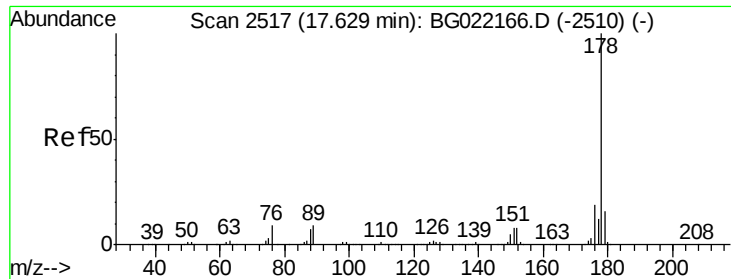
Tot Ion:188 Resp: 179157
Ion Ratio Lower Upper
188 100
94 11.4 7.5 11.3#
80 12.5 8.6 13.0



#70
Phenanthrene
Concen: 21.15 ng
RT: 17.42 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BG022497.D
Acq: 22 Jun 2016 13:29

Tgt Ion:178 Resp: 205831
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.4
179 16.0 12.0 18.0

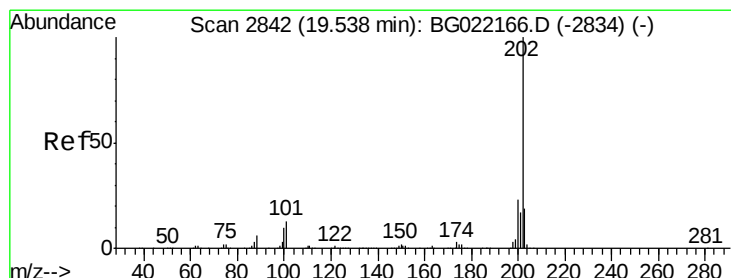
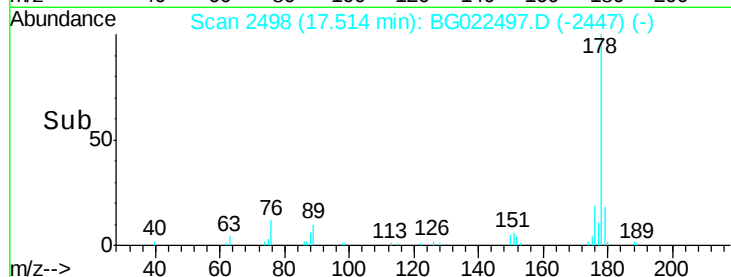
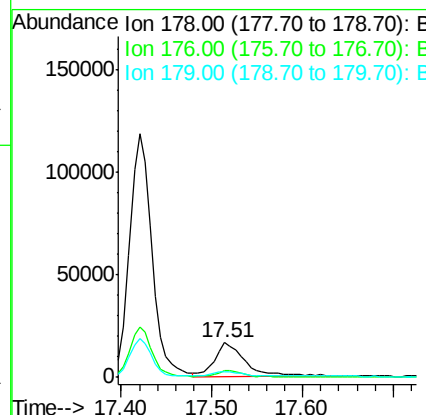
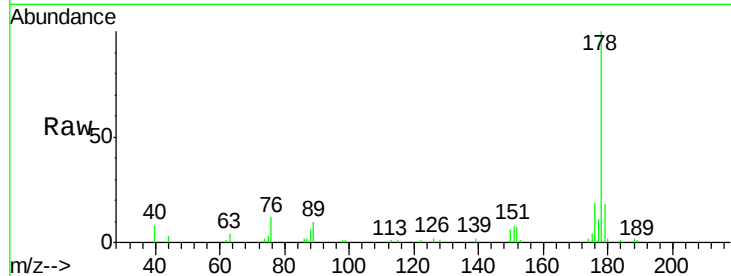




#71
 Anthracene
 Concen: 4.06 ng
 RT: 17.51 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG022497.D
 Acq: 22 Jun 2016 13:29

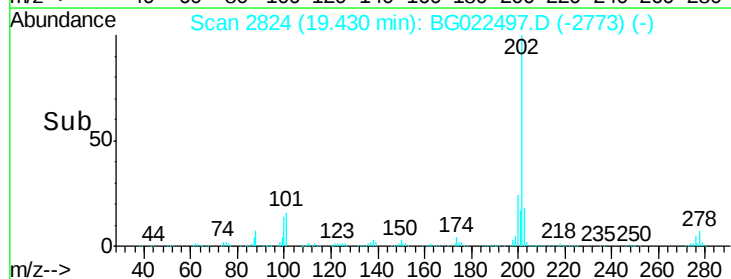
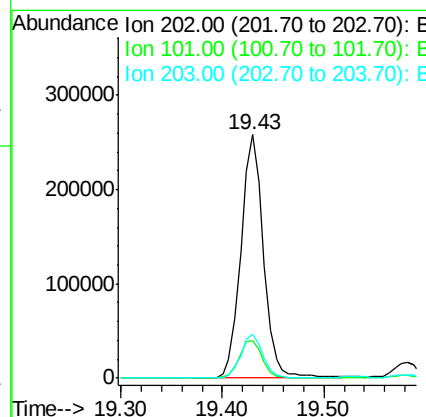
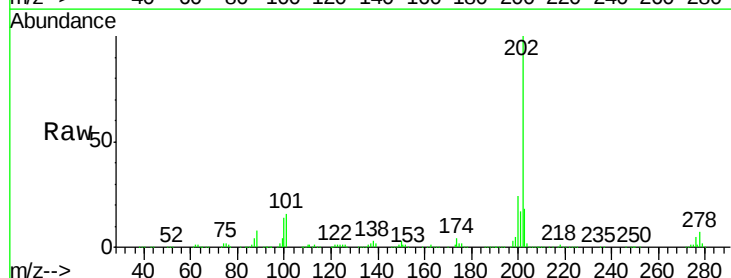
Instrument :
 BNA_G
 ClientSampleId :
 STA-1065-(0-4)DL

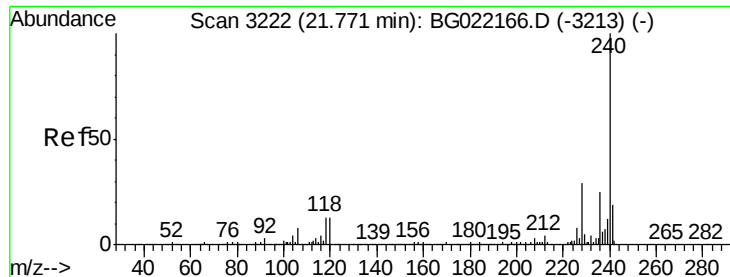
Tot Ion:178 Resp: 39226
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.4
 179 17.6 12.2 18.4



#74
 Fluoranthene
 Concen: 35.69 ng
 RT: 19.43 min Scan# 2824
 Delta R.T. -0.00 min
 Lab File: BG022497.D
 Acq: 22 Jun 2016 13:29

Tgt Ion:202 Resp: 399266
 Ion Ratio Lower Upper
 202 100
 101 15.6 0.0 31.0
 203 18.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.64 min Scan# 3200

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

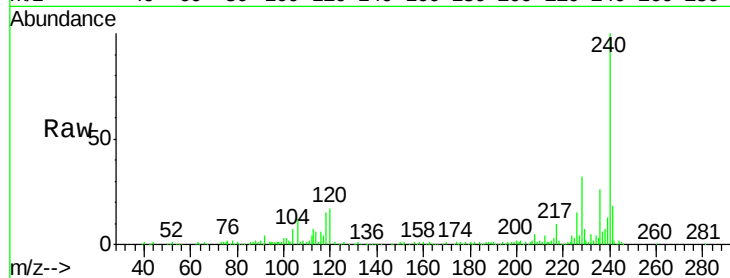
Tot Ion:240 Resp: 151612

Ion Ratio Lower Upper

240 100

120 17.2 8.4 12.6#

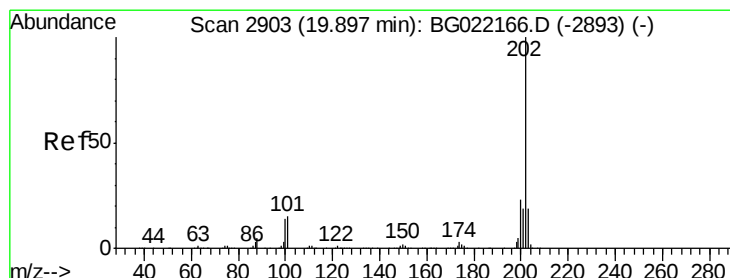
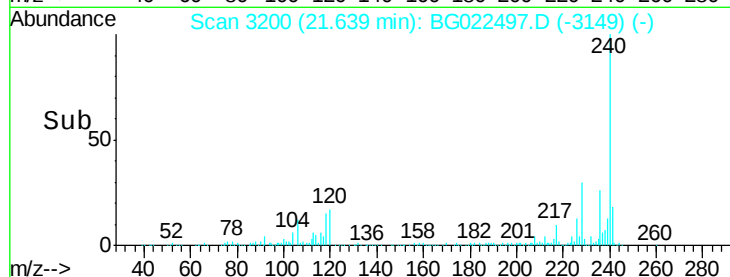
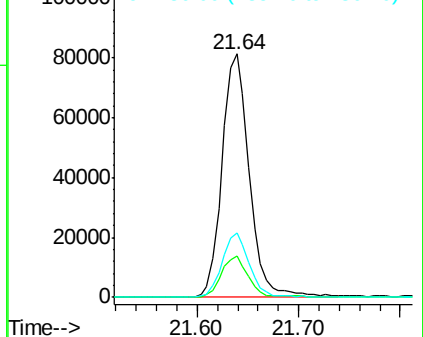
236 26.2 19.6 29.4



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



#77

Pyrene

Concen: 31.29 ng

RT: 19.79 min Scan# 2885

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

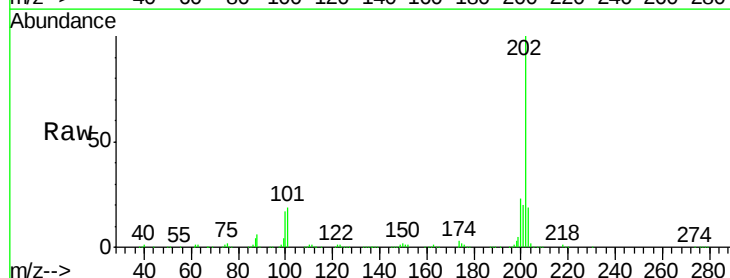
Tgt Ion:202 Resp: 294911

Ion Ratio Lower Upper

202 100

200 23.0 18.2 27.2

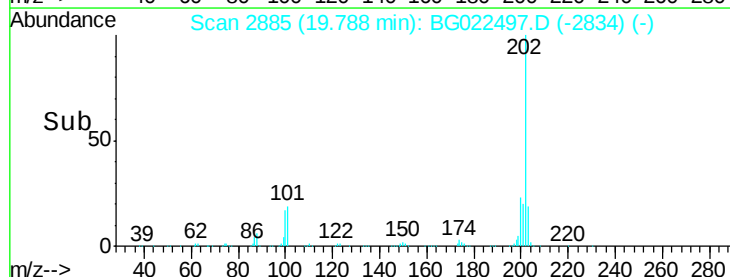
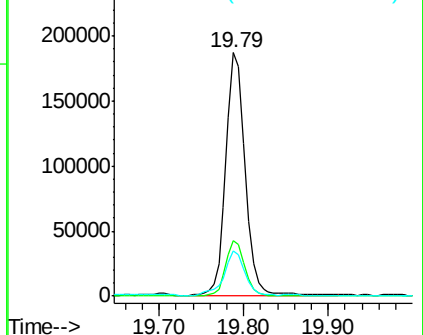
203 18.7 15.0 22.4

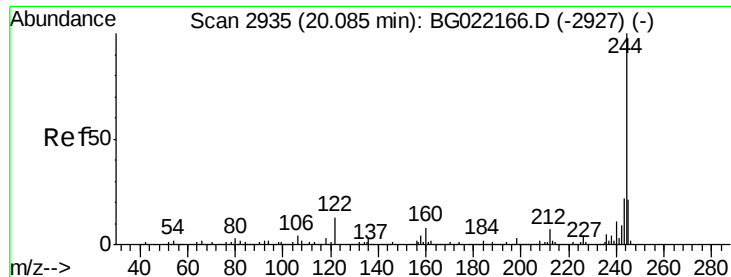


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.06 ng

RT: 19.98 min Scan# 2917

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

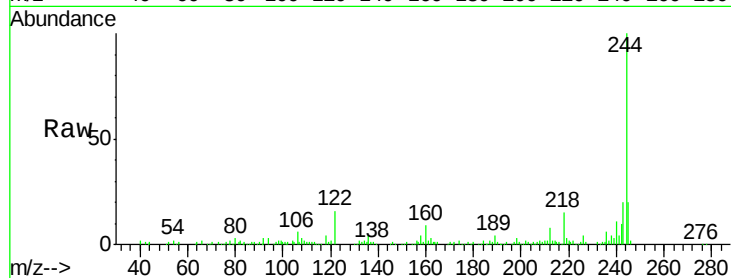
Tot Ion:244 Resp: 96183

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

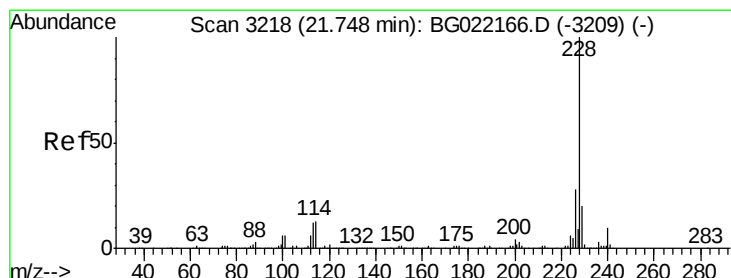
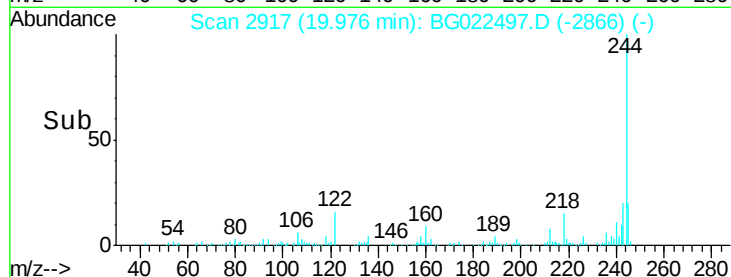
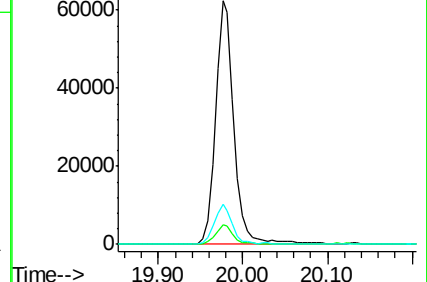
122 16.4 8.6 12.8#



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



#80

Benzo(a)anthracene

Concen: 19.03 ng

RT: 21.62 min Scan# 3197

Delta R.T. 0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

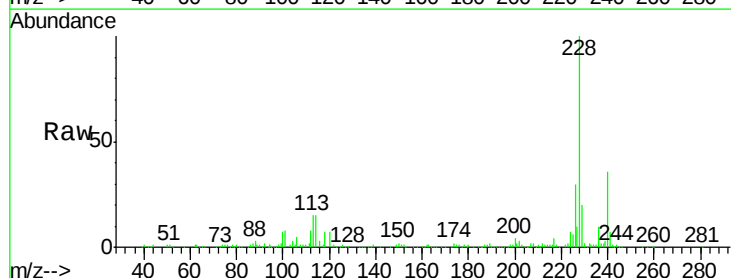
Tgt Ion:228 Resp: 161766

Ion Ratio Lower Upper

228 100

226 29.8 22.6 34.0

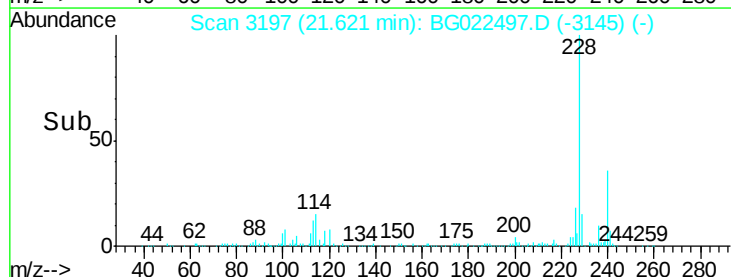
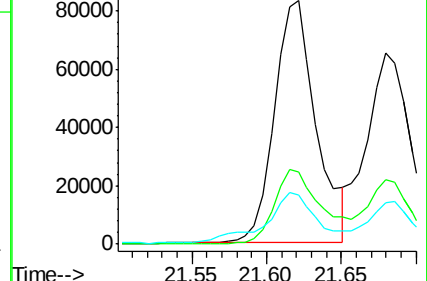
229 20.1 16.1 24.1

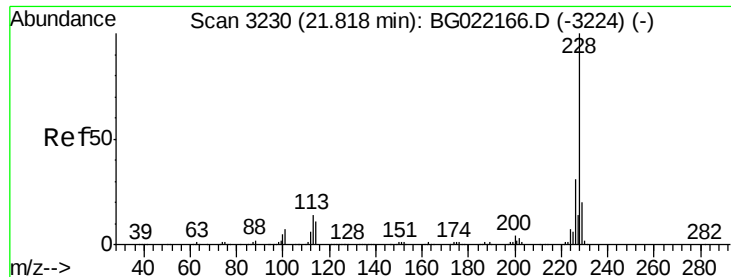


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.44 ng

RT: 21.68 min Scan# 3207

Delta R.T. -0.01 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

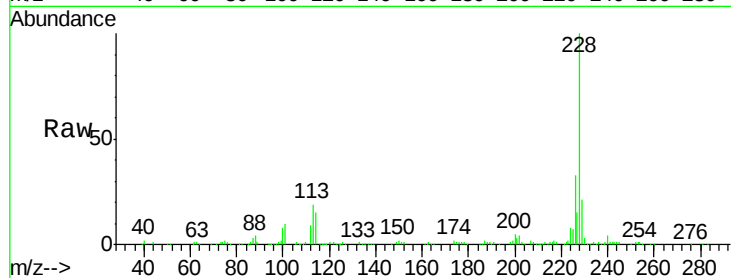
Tot Ion:228 Resp: 136036

Ion Ratio Lower Upper

228 100

226 33.3 25.4 38.0

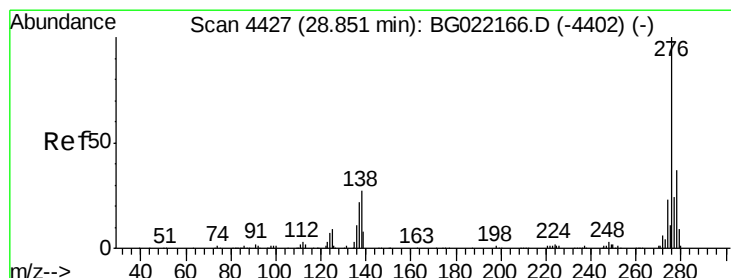
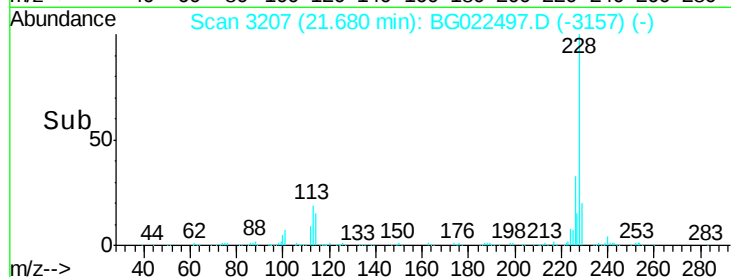
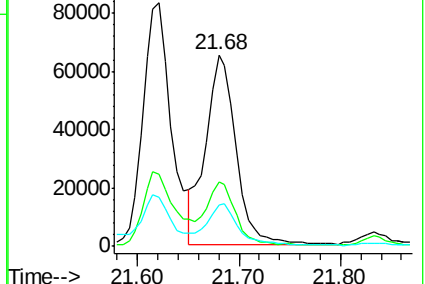
229 21.3 15.9 23.9



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

Indeno(1,2,3-cd)pyrene

Concen: 8.35 ng

RT: 28.50 min Scan# 4368

Delta R.T. -0.01 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

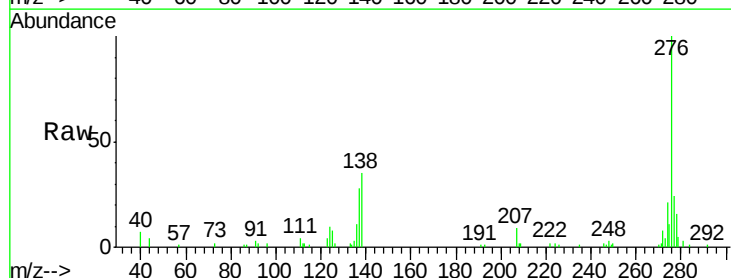
Tgt Ion:276 Resp: 77507

Ion Ratio Lower Upper

276 100

138 33.5 14.0 21.0#

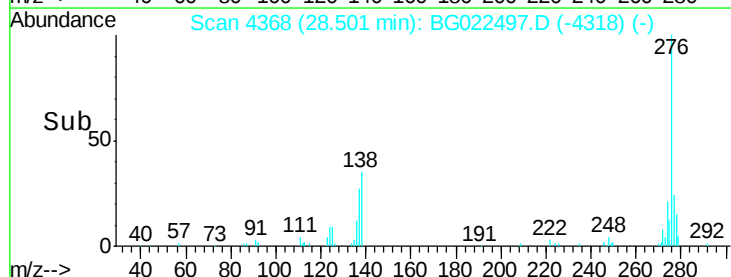
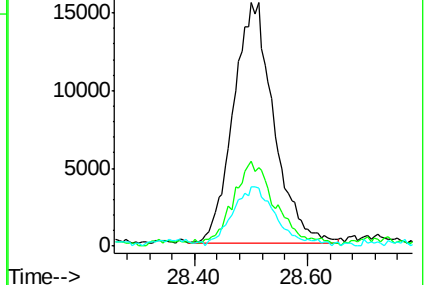
277 26.6 20.6 30.8

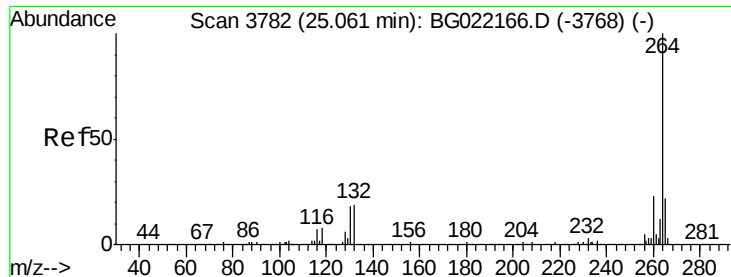


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 24.84 min Scan# 3744

Delta R.T. -0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

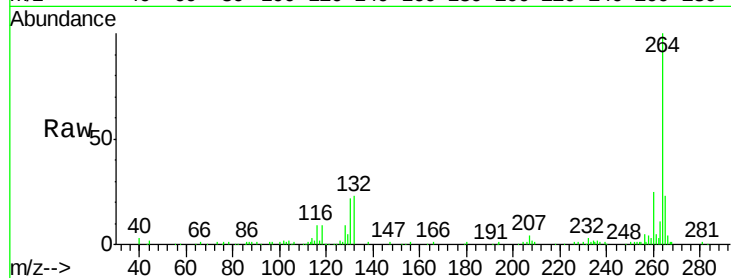
Tot Ion:264 Resp: 139014

Ion Ratio Lower Upper

264 100

260 24.6 20.2 30.4

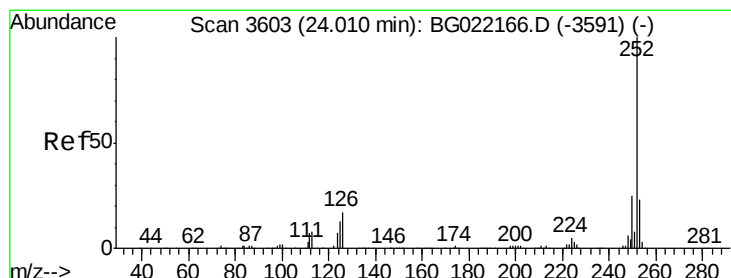
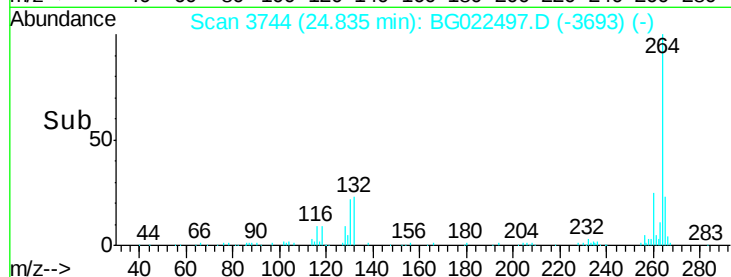
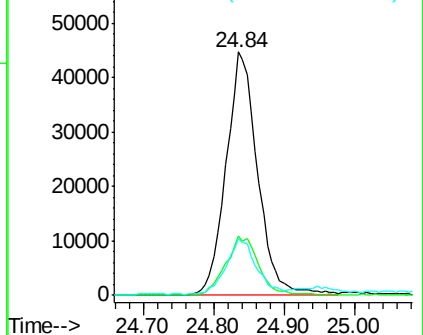
265 23.4 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 21.93 ng m

RT: 23.82 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

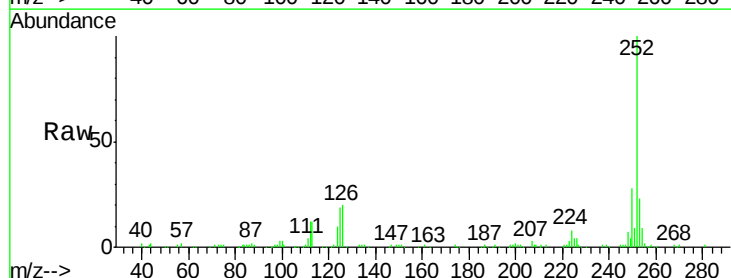
Tgt Ion:252 Resp: 177800

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

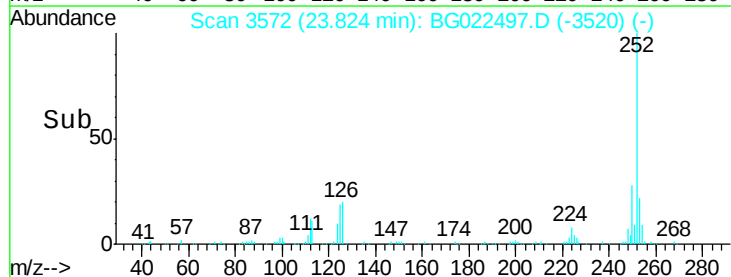
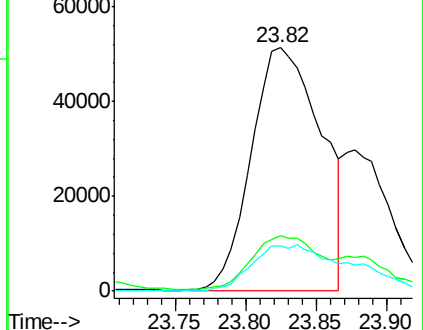
125 18.8 8.6 13.0#

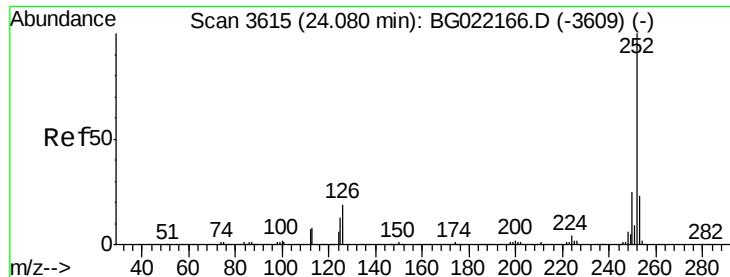


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 8.75 ng/mL

RT: 23.88 min Scan# 3581

Delta R.T. -0.01 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

Instrument :

BNA_G

ClientSampleId :

STA-1065-(0-4)DL

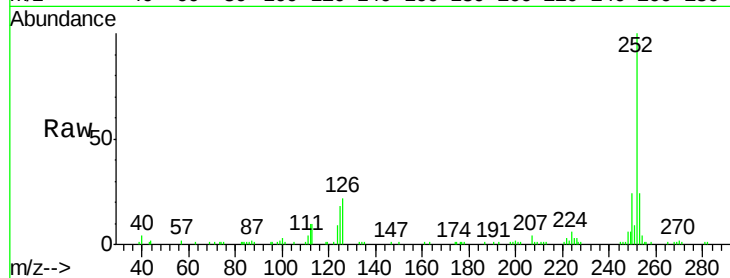
Tot Ion:252 Resp: 69839

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

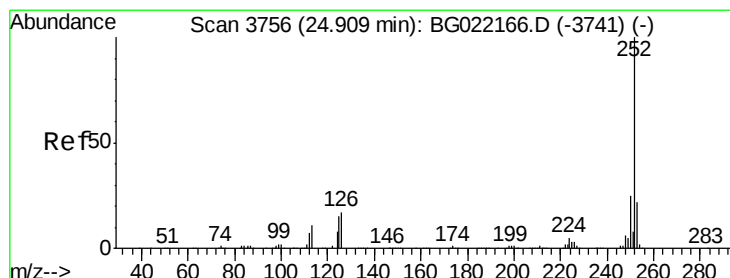
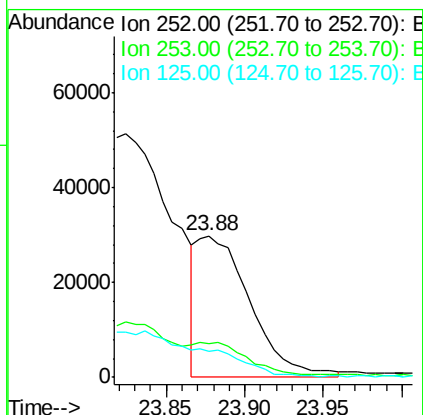
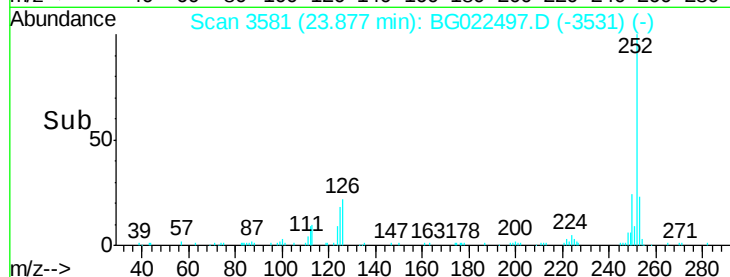
125 18.1 8.3 12.5#



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



#89

Benzo(a)pyrene

Concen: 14.81 ng/mL

RT: 24.69 min Scan# 3719

Delta R.T. -0.01 min

Lab File: BG022497.D

Acq: 22 Jun 2016 13:29

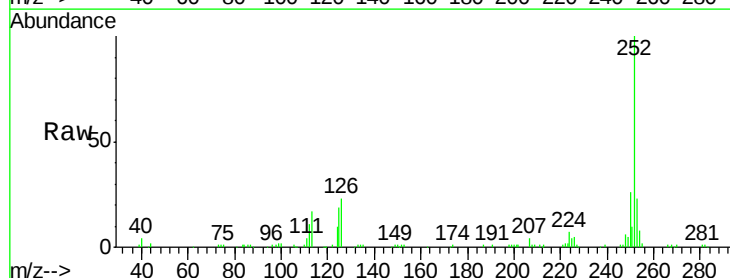
Tgt Ion:252 Resp: 114780

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

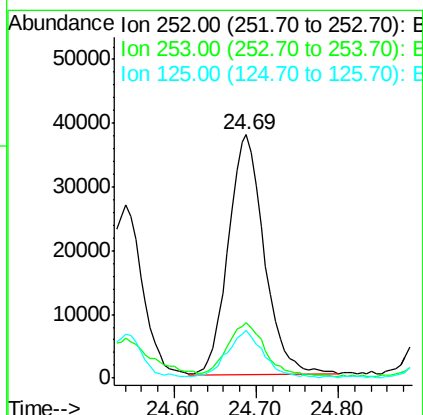
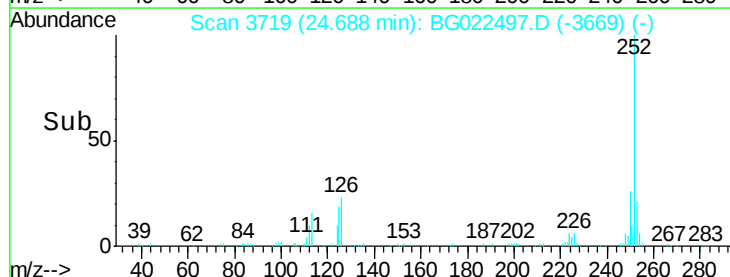
125 19.4 9.6 14.4#

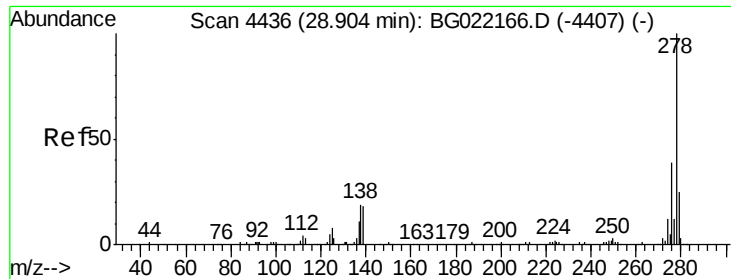


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

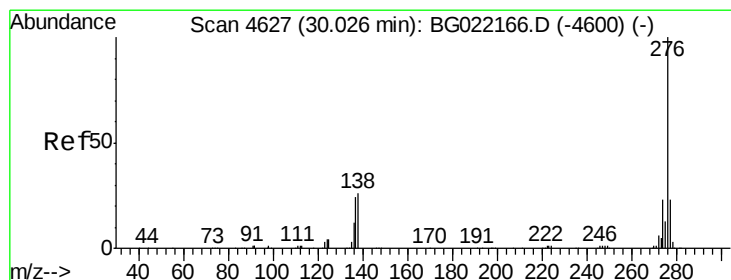
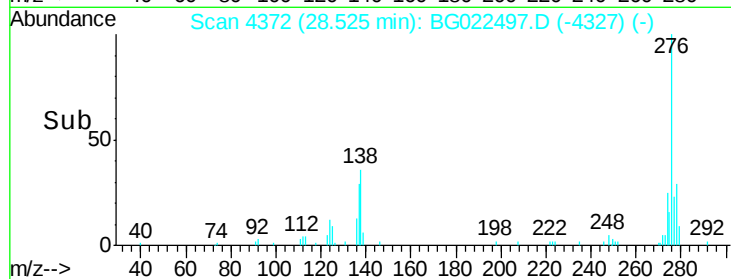
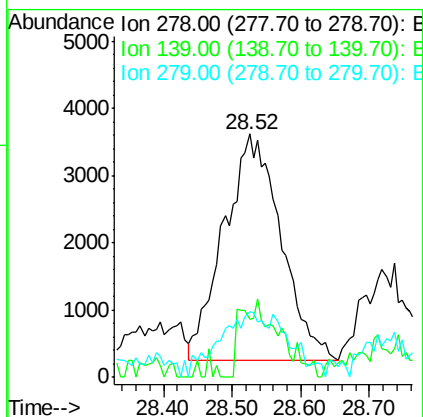
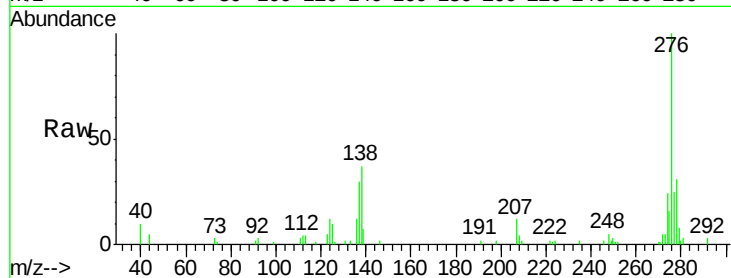




#90
Dibenzo(a,h)anthracene
Concen: 2.64 ng
RT: 28.52 min Scan# 4372
Delta R.T. -0.04 min
Lab File: BG022497.D
Acq: 22 Jun 2016 13:29

Instrument :
BNA_G
ClientSampleId :
STA-1065-(0-4)DL

Tot Ion:278 Resp: 19272
Ion Ratio Lower Upper
278 100
139 23.9 11.9 17.9#
279 26.9 18.2 27.2



#91
Benzo(g,h,i)perylene
Concen: 9.18 ng
RT: 29.65 min Scan# 4564
Delta R.T. -0.01 min
Lab File: BG022497.D
Acq: 22 Jun 2016 13:29

Tgt Ion:276 Resp: 69719
Ion Ratio Lower Upper
276 100
277 21.3 19.4 29.2
138 35.3 17.4 26.0#

