

Data File : BG026885.D
Acq On : 6 May 2017 16:47
Operator : SJ/MA
Sample : I2842-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BDC42

Quant Time: May 08 01:30:06 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 08 01:28:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	193976	20.00	ng/ul	0.00
18) Naphthalene-d8	10.80	136	935401	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.62	164	494855	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.36	188	911896	20.00	ng/ul	0.00
75) Chrysene-d12	21.60	240	838233	20.00	ng/ul	0.00
83) Perylene-d12	24.77	264	878824	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.43	96	16665	3.87	ng/uL	0.00
5) Phenol-d5	7.19	99	399266	23.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.33	67	232680	22.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.54	132	321022	21.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.72	113	325516	22.66	ng/ul	0.00
19) Nitrobenzene-d5	9.17	128	166991	21.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	178293	20.97	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	280364	20.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.94	131	356717	19.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.02	166	854710	21.46	ng/ul	0.00
46) Acenaphthylene-d8	14.31	160	1130158	22.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.85	143	117095	16.31	ng/ul	0.00
57) Fluorene-d10	15.61	176	729713	20.99	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.73	200	70151	12.67	ng/ul	0.00
70) Anthracene-d10	17.46	188	980030	22.14	ng/ul	0.00
76) Pyrene-d10	19.74	212	978589	22.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.55	264	940390	22.63	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.21	94	35768	2.04	ng/ul#	76
28) Naphthalene	10.86	128	405453	8.33	ng/ul	98
34) 2-Methylnaphthalene	12.46	142	190131	5.26	ng/ul	90
40) 1,1'-Biphenyl	13.45	154	54529	1.31	ng/ul#	96
44) Dimethylphthalate	14.07	163	242321	6.21	ng/ul	97
49) Acenaphthene	14.68	153	248928	7.02	ng/ul	98
53) Dibenzofuran	15.02	168	385824	8.18	ng/ul	93
58) Fluorene	15.66	166	357181	9.27	ng/ul	96
69) Phenanthrene	17.40	178	2866013	55.79	ng/ul	94
71) Anthracene	17.49	178	955267	18.13	ng/ul	99
72) Carbazole	17.76	167	377821	8.48	ng/ul	99
74) Fluoranthene	19.41	202	2774872	58.18	ng/ul#	72
77) Pyrene	19.76	202	2317904	41.22	ng/ul#	69
80) Benzo(a)anthracene	21.59	228	1352427	27.59	ng/ul	98
82) Chrysene	21.65	228	1126151	24.73	ng/ul	97
85) Benzo(b)fluoranthene	23.77	252	1388782	27.66	ng/ul#	92
86) Benzo(k)fluoranthene	23.77	252	1388782	28.15	ng/ul#	93
88) Benzo(a)pyrene	24.62	252	1052908	21.30	ng/ul#	91
89) Indeno(1,2,3-cd)pyrene	28.37	276	640892	10.94	ng/ul#	77
90) Dibenzo(a,h)anthracene	28.40	278	166262	3.35	ng/ul#	87
91) Benzo(g,h,i)perylene	29.50	276	514710	10.59	ng/ul#	82

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050617\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data File : BG026885.D

Acq On : 6 May 2017 16:47

Operator : SJ/MA

Sample : I2842-03

Misc :

ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

BDC42

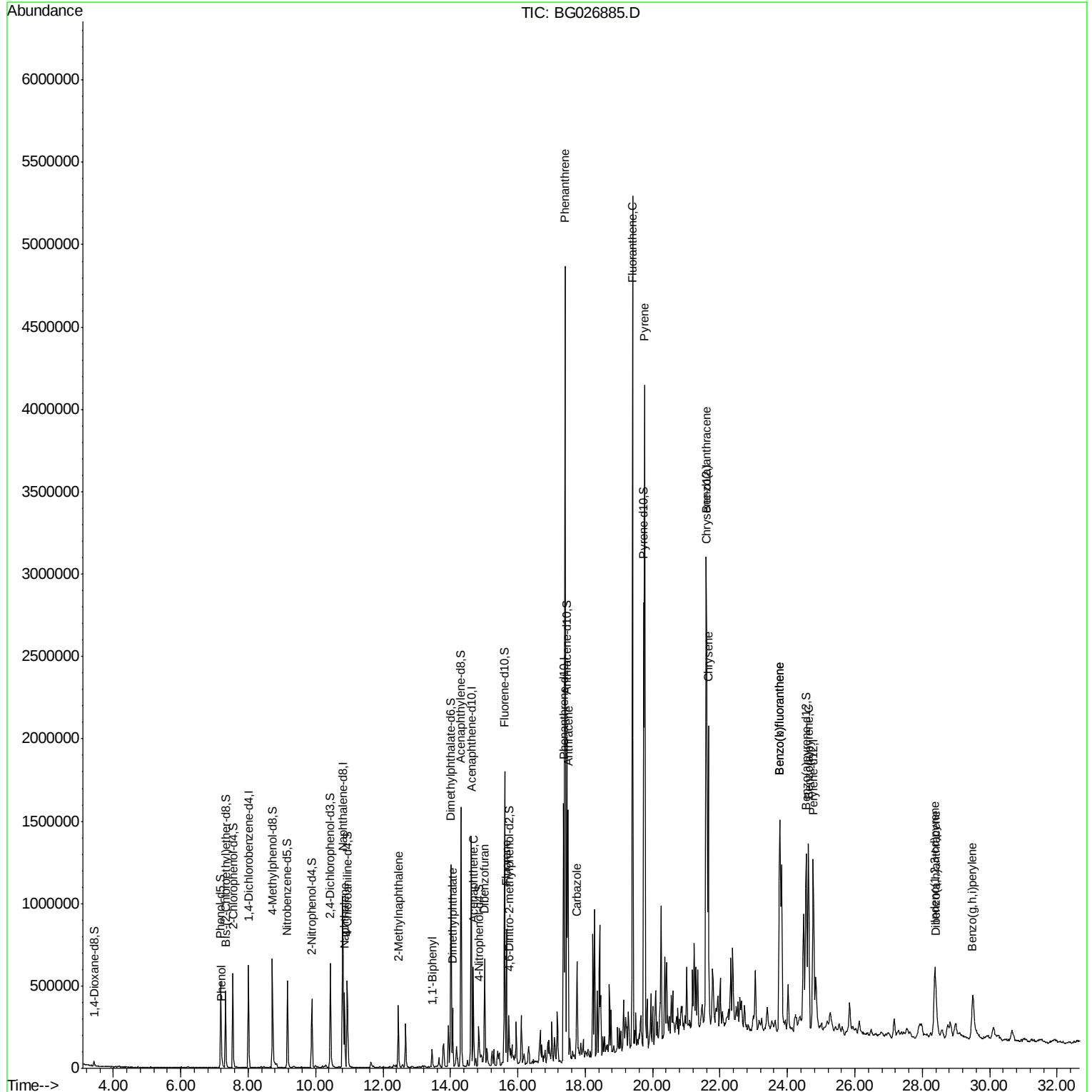
Quant Time: May 08 01:30:06 2017

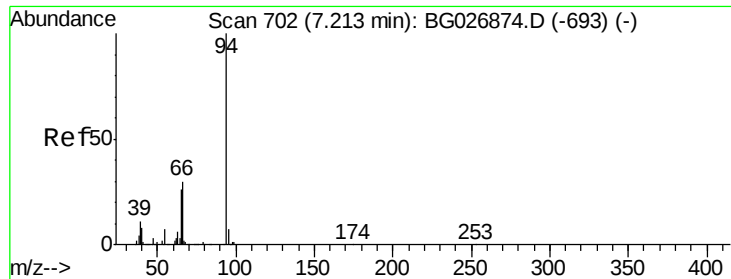
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG042717.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon May 08 01:28:58 2017

Response via : Initial Calibration





#6

Phenol

Concen: 2.04 ng/ul

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

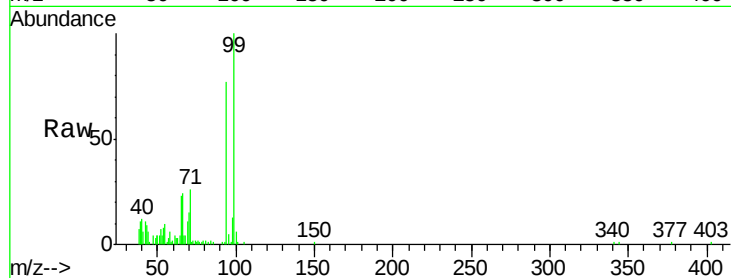
Tgt Ion: 94 Resp: 35768

Ion Ratio Lower Upper

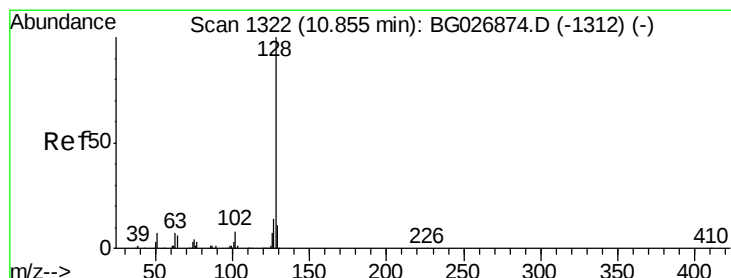
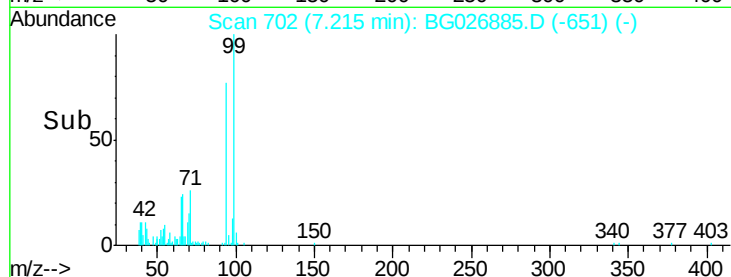
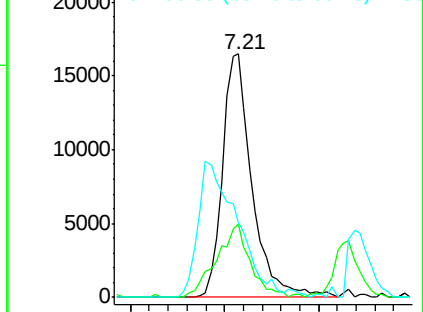
94 100

65 30.0 26.8 40.2

66 30.7 44.4 66.6#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#28

Naphthalene

Concen: 8.33 ng/ul

RT: 10.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

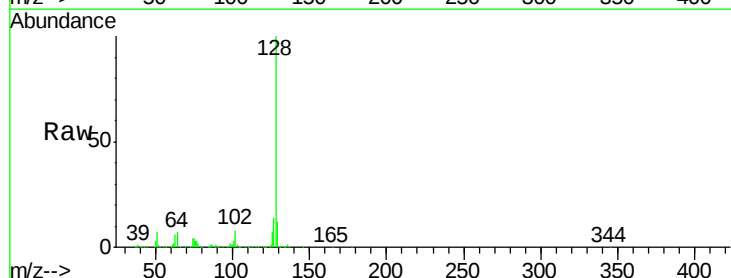
Tgt Ion: 128 Resp: 405453

Ion Ratio Lower Upper

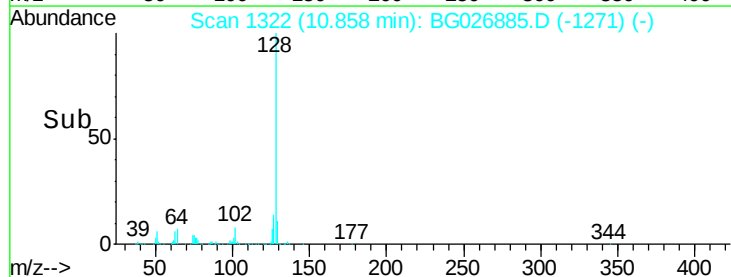
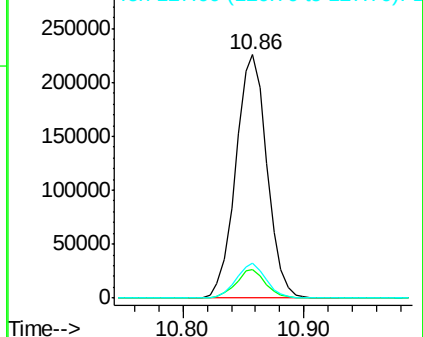
128 100

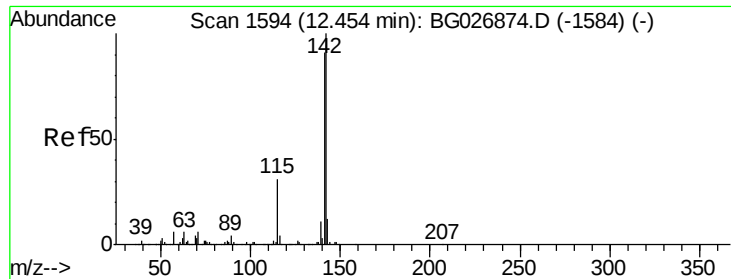
129 11.5 9.4 14.2

127 14.4 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

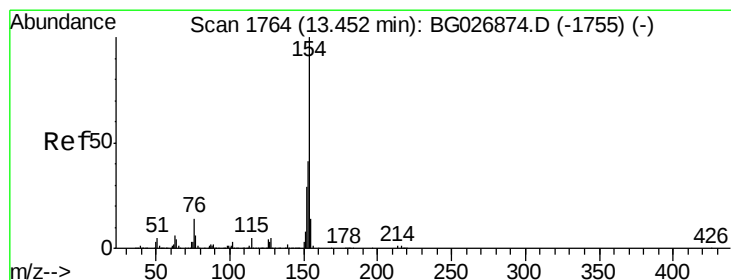
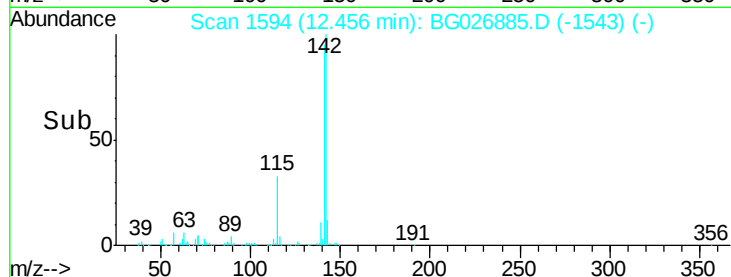
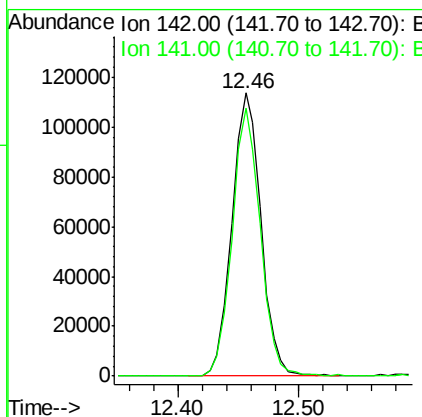
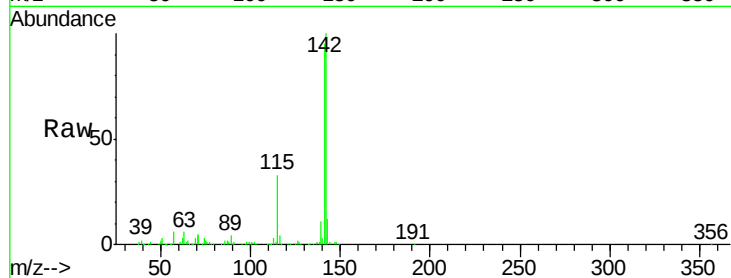




#34
 2-Methylnaphthalene
 Concen: 5.26 ng/ul
 RT: 12.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BG026885.D
 Acq: 6 May 2017 16:47

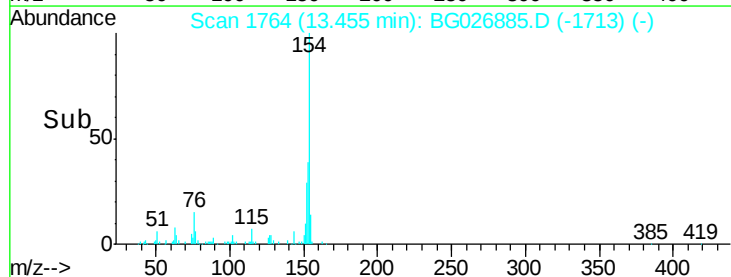
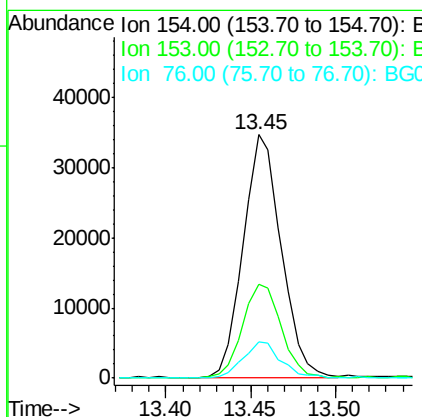
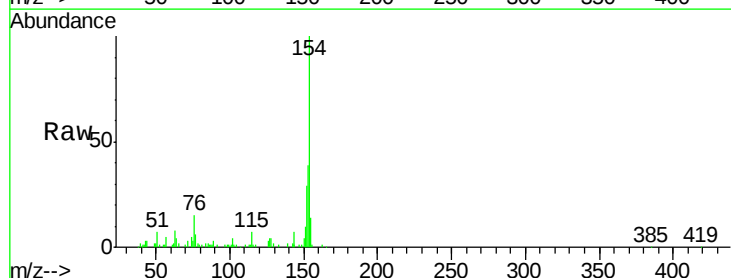
Instrument :
 BNA_G
 ClientSampleId :
 BDC42

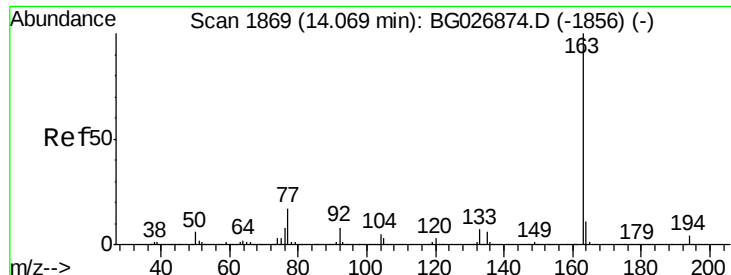
Tgt Ion:142 Resp: 190131
 Ion Ratio Lower Upper
 142 100
 141 94.7 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 1.31 ng/ul
 RT: 13.45 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: BG026885.D
 Acq: 6 May 2017 16:47

Tgt Ion:154 Resp: 54529
 Ion Ratio Lower Upper
 154 100
 153 38.6 32.2 48.2
 76 15.0 9.6 14.4#





#44

Dimethylphthalate

Concen: 6.21 ng/ul

RT: 14.07 min Scan# 1868

Delta R.T. -0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

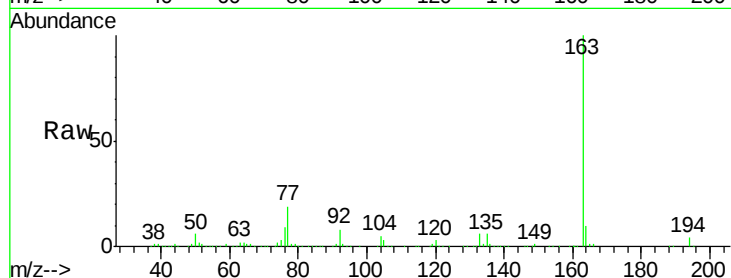
Tgt Ion:163 Resp: 242321

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

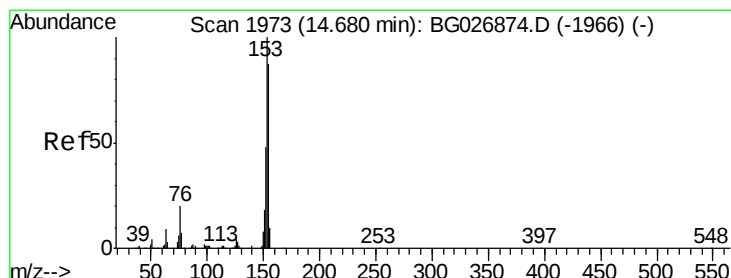
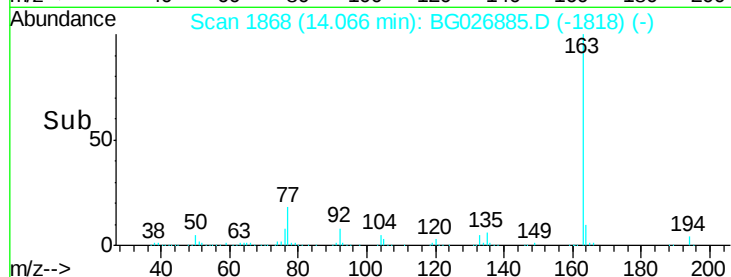
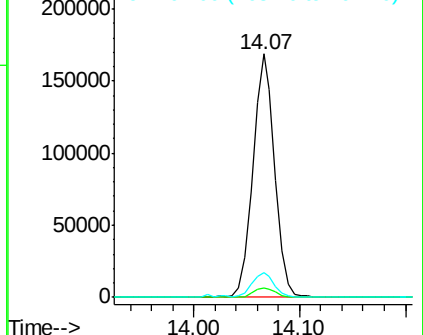
164 9.9 9.0 13.4



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



#49

Acenaphthene

Concen: 7.02 ng/ul

RT: 14.68 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

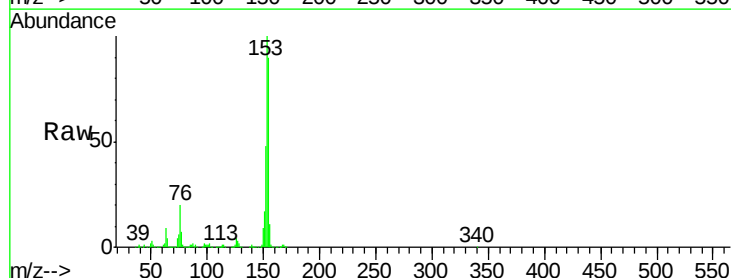
Tgt Ion:153 Resp: 248928

Ion Ratio Lower Upper

153 100

152 48.1 36.5 54.7

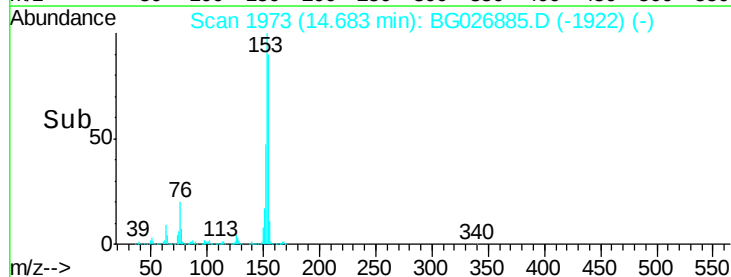
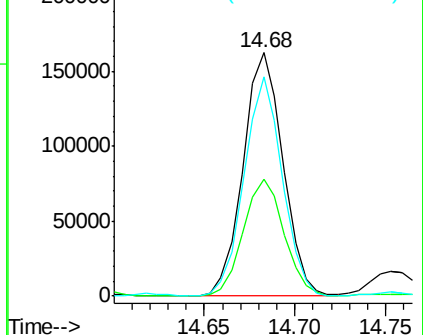
154 90.0 72.3 108.5

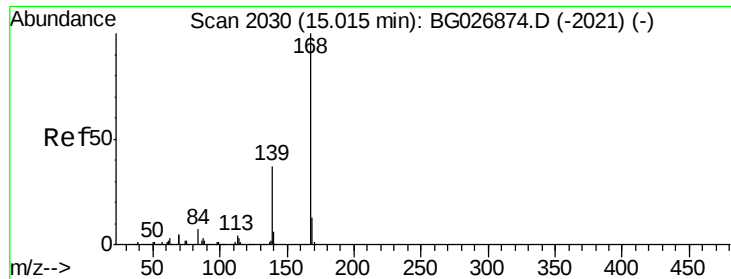


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 8.18 ng/ul

RT: 15.02 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampled :

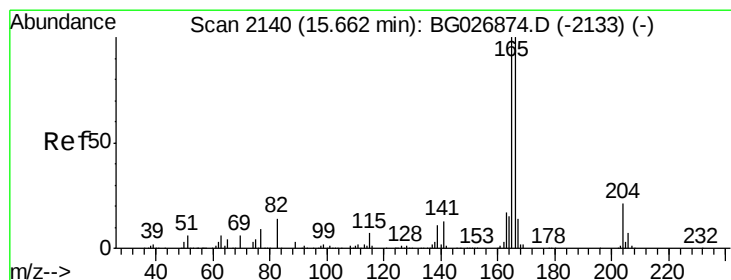
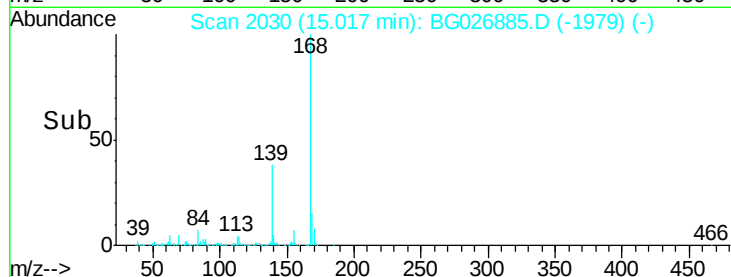
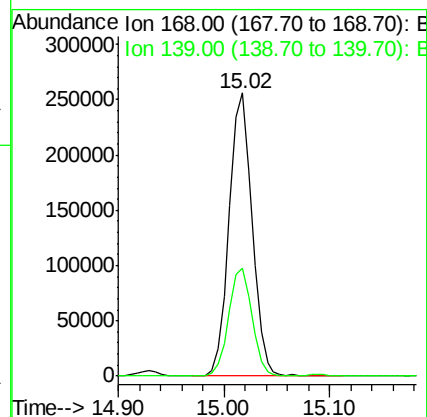
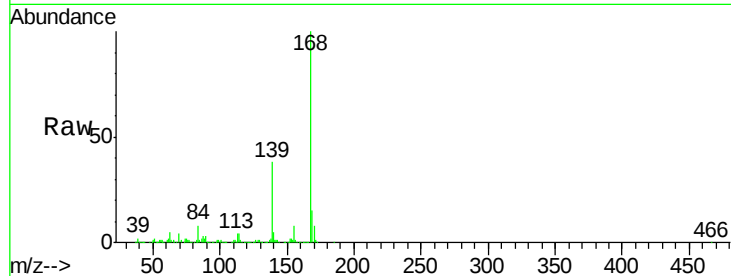
BDC42

Tgt Ion:168 Resp: 385824

Ion Ratio Lower Upper

168 100

139 38.1 33.8 50.8



#58

Fluorene

Concen: 9.27 ng/ul

RT: 15.66 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

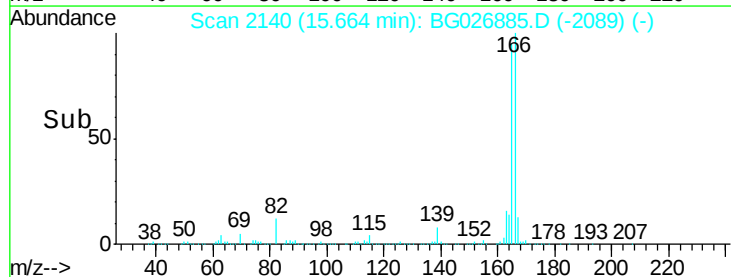
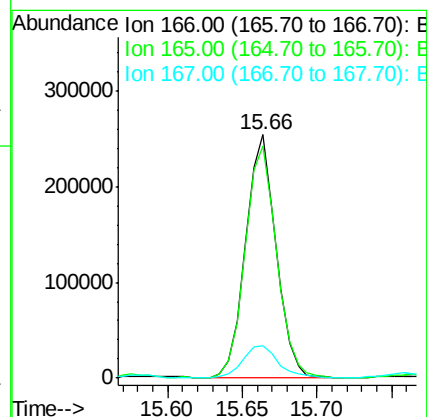
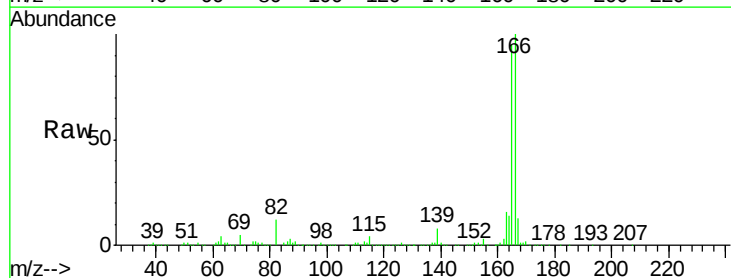
Tgt Ion:166 Resp: 357181

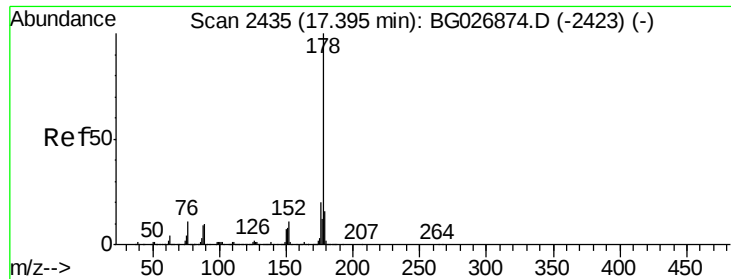
Ion Ratio Lower Upper

166 100

165 95.5 79.7 119.5

167 13.4 11.4 17.2





#69

Phenanthrene

Concen: 55.79 ng/ul

RT: 17.40 min Scan# 2436

Delta R.T. 0.01 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

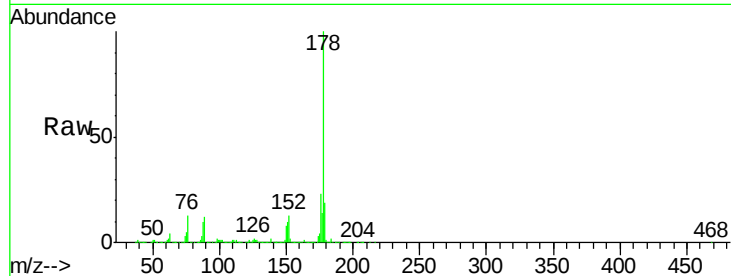
Tgt Ion:178 Resp: 2866013

Ion Ratio Lower Upper

178 100

179 18.6 12.4 18.6

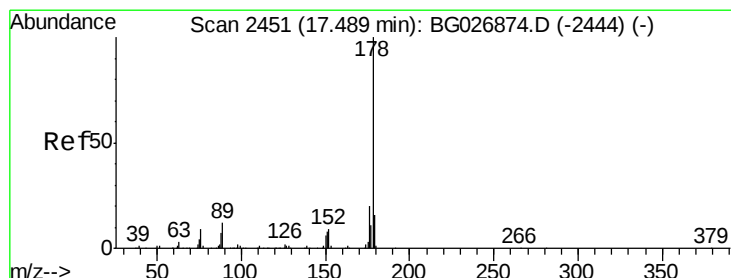
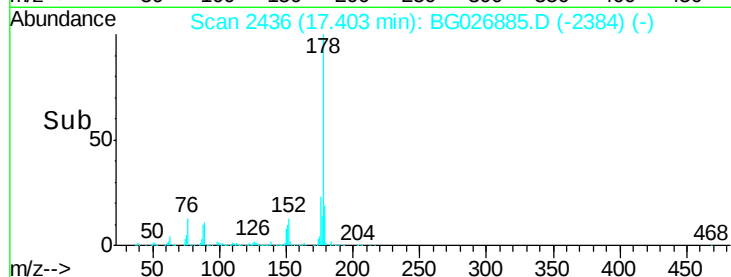
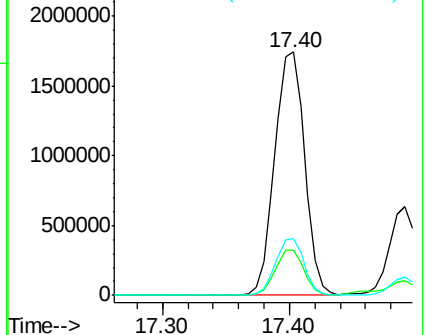
176 23.3 16.5 24.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 18.13 ng/ul

RT: 17.49 min Scan# 2451

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

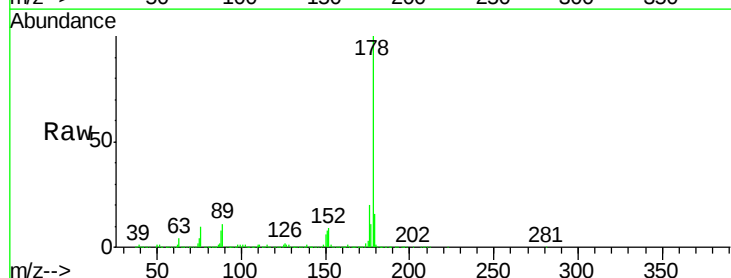
Tgt Ion:178 Resp: 955267

Ion Ratio Lower Upper

178 100

179 16.2 12.6 19.0

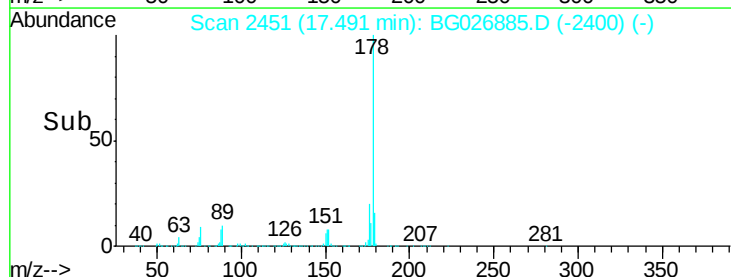
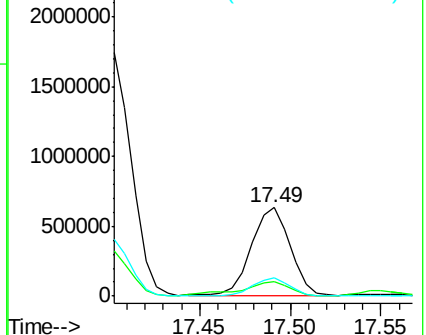
176 20.2 15.9 23.9

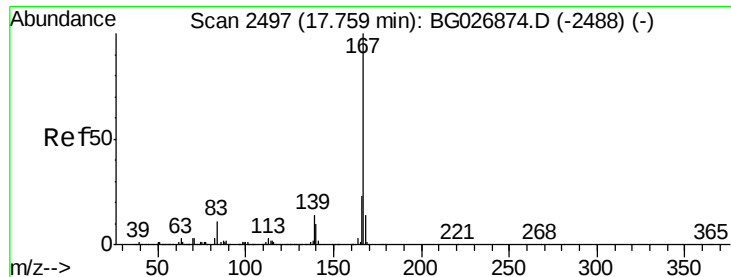


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 8.48 ng/ul

RT: 17.76 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

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ClientSampleId :

BDC42

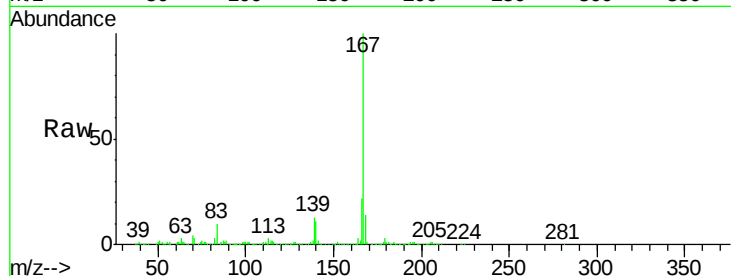
Tgt Ion:167 Resp: 377821

Ion Ratio Lower Upper

167 100

166 22.1 17.9 26.9

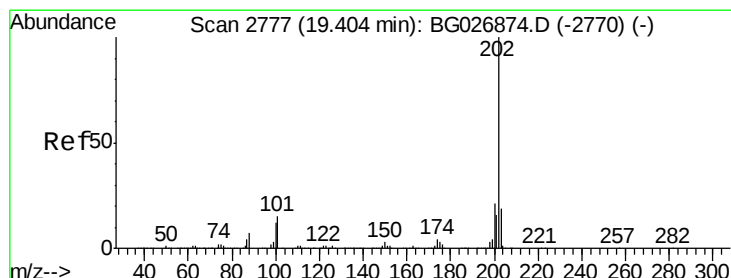
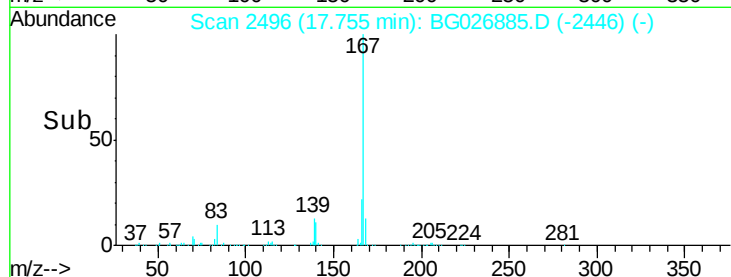
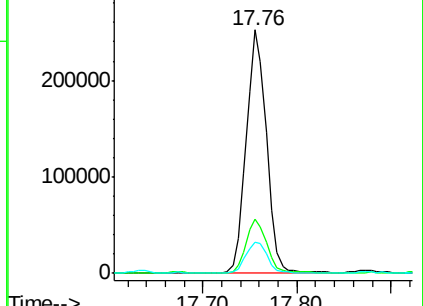
139 13.0 10.5 15.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 58.18 ng/ul

RT: 19.41 min Scan# 2777

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

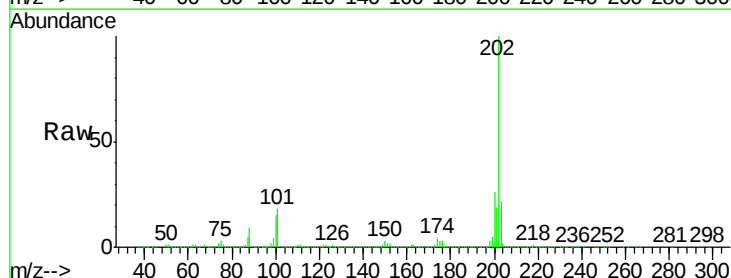
Tgt Ion:202 Resp: 2774872

Ion Ratio Lower Upper

202 100

101 18.4 6.2 9.2#

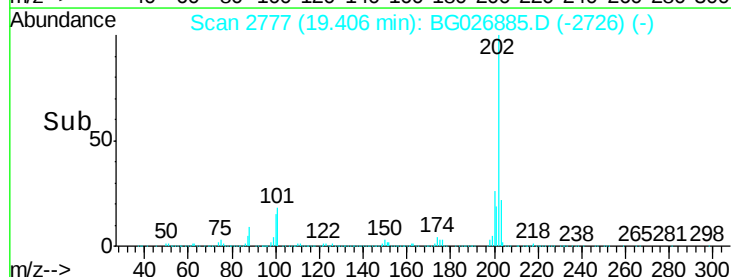
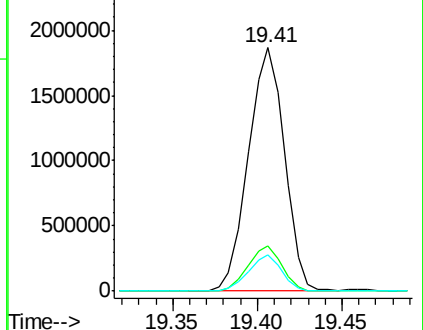
100 14.7 5.2 7.8#

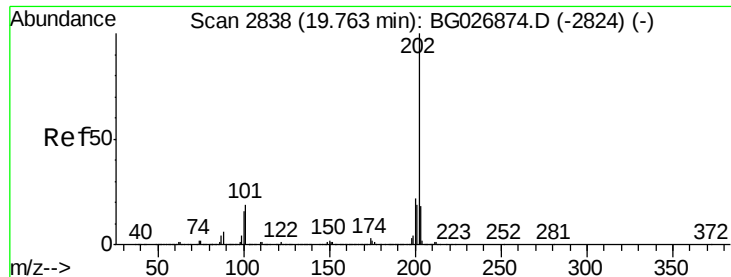


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 41.22 ng/ul

RT: 19.76 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

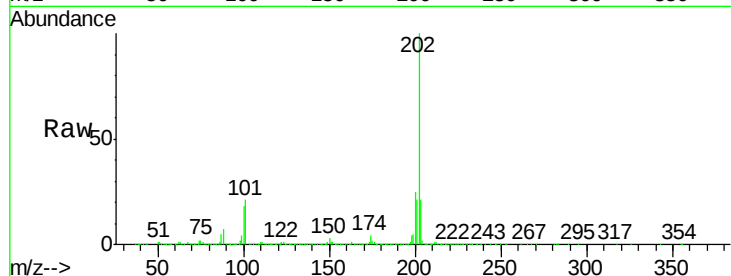
Tgt Ion:202 Resp: 2317904

Ion Ratio Lower Upper

202 100

101 20.9 6.9 10.3#

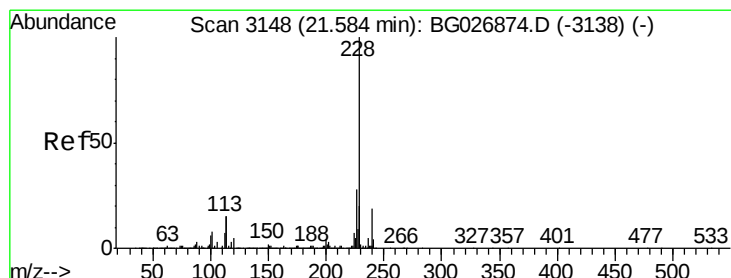
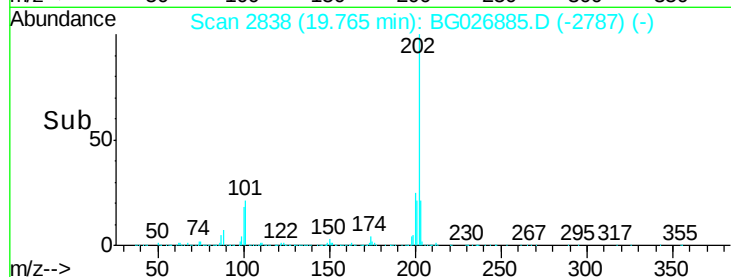
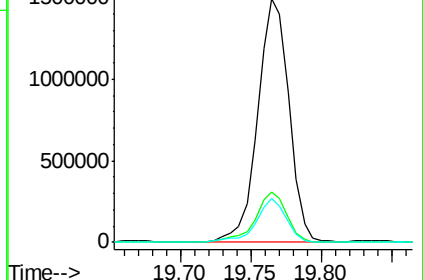
100 18.0 6.6 10.0#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 27.59 ng/ul

RT: 21.59 min Scan# 3148

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

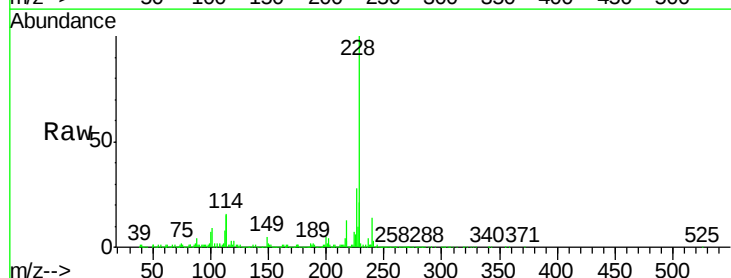
Tgt Ion:228 Resp: 1352427

Ion Ratio Lower Upper

228 100

229 21.3 16.3 24.5

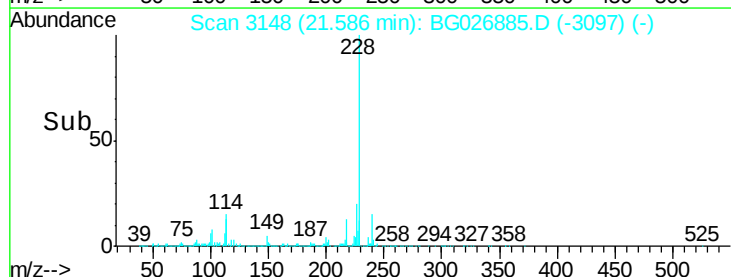
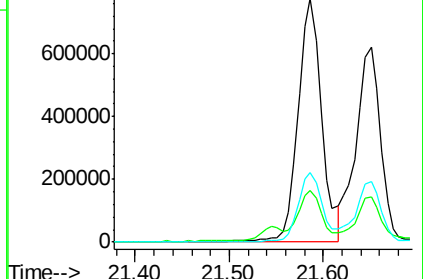
226 28.5 21.9 32.9

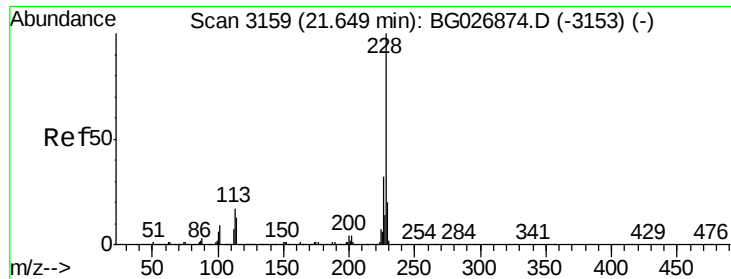


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 24.73 ng/ul

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

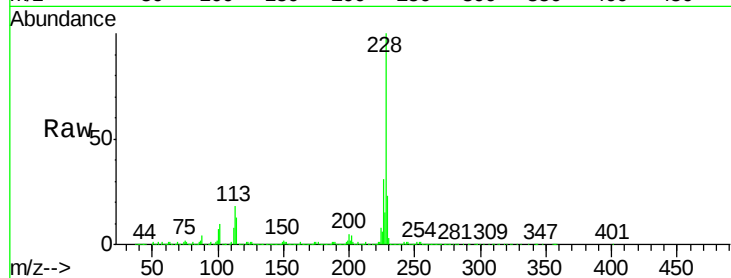
Tgt Ion:228 Resp: 1126151

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

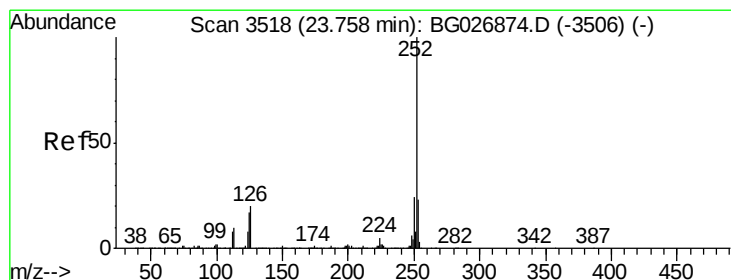
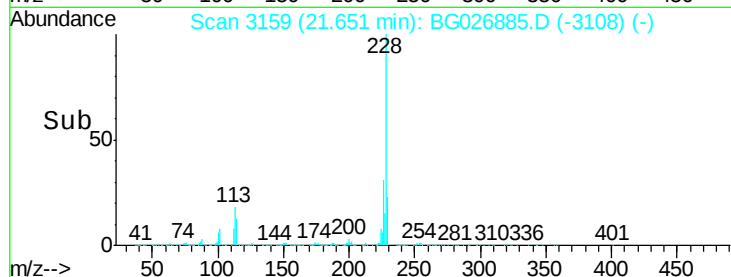
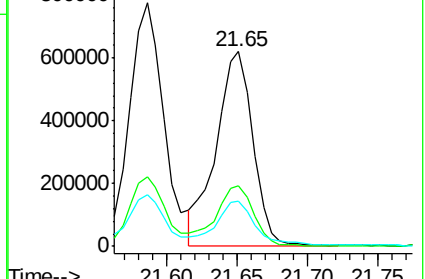
229 23.4 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 27.66 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. 0.01 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

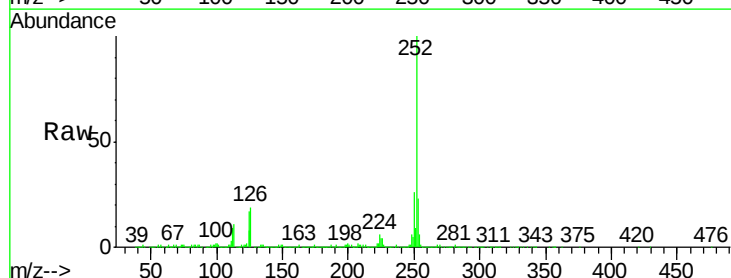
Tgt Ion:252 Resp: 1388782

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

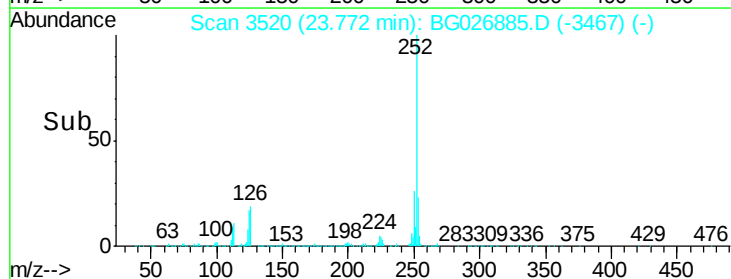
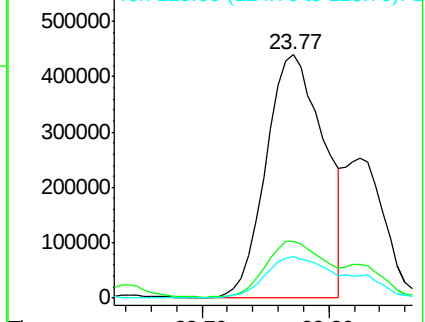
125 17.1 4.0 6.0#

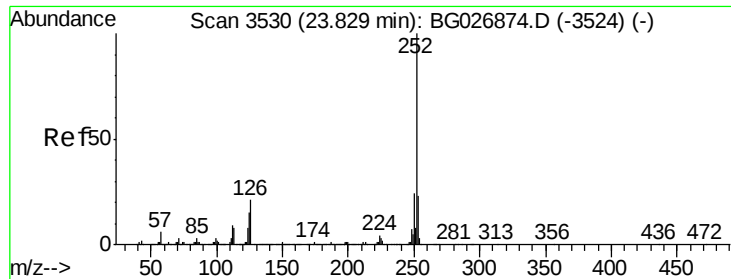


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 28.15 ng/ul

RT: 23.77 min Scan# 3520

Delta R.T. -0.06 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampled :

BDC42

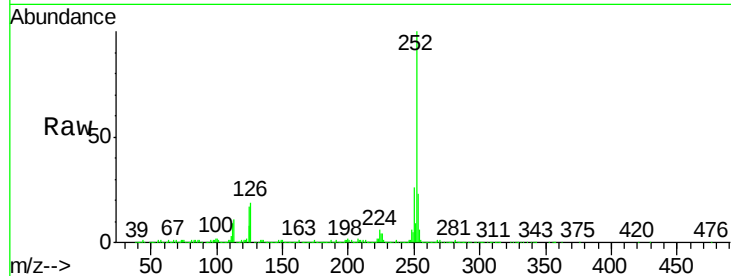
Tgt Ion:252 Resp: 1388782

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

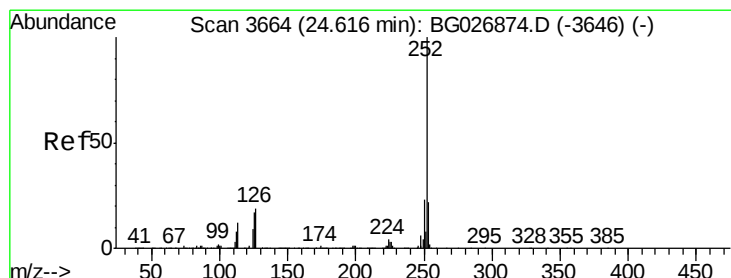
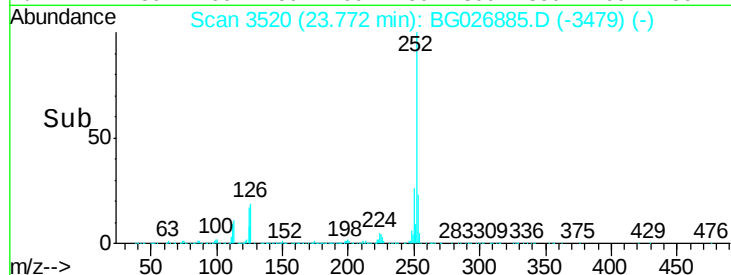
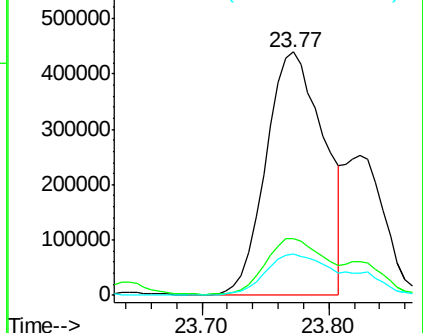
125 17.1 4.1 6.1#



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(a)pyrene

Concen: 21.30 ng/ul

RT: 24.62 min Scan# 3665

Delta R.T. 0.01 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

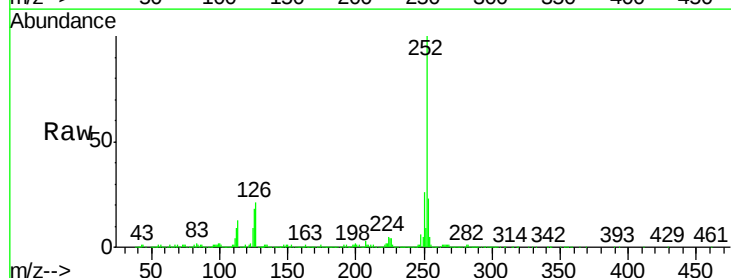
Tgt Ion:252 Resp: 1052908

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

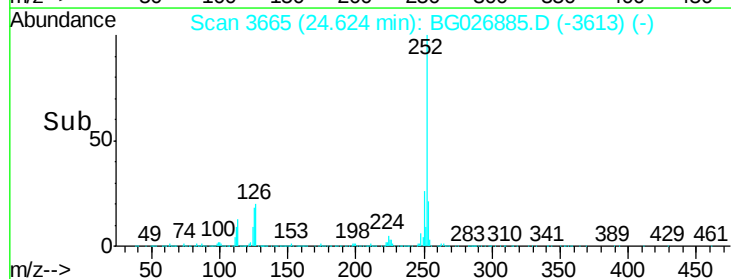
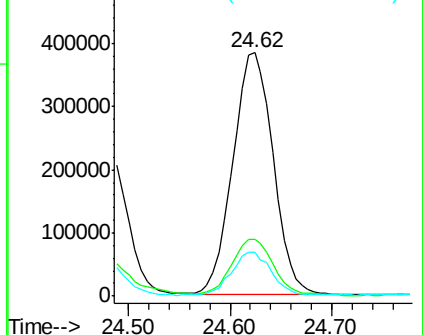
125 18.1 5.4 8.0#

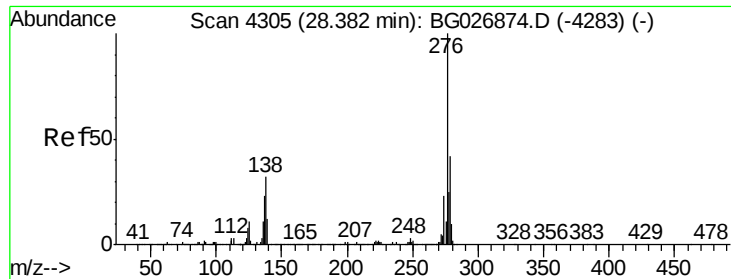


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 10.94 ng/ul

RT: 28.37 min Scan# 4303

Delta R.T. -0.01 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

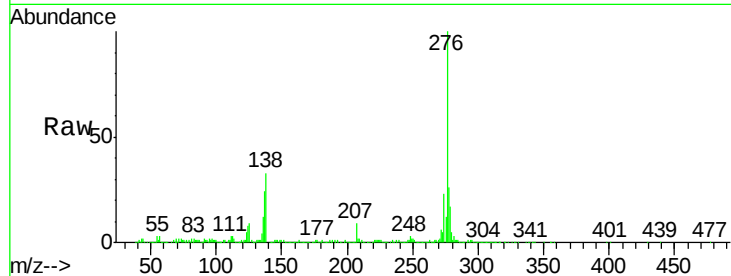
Tgt Ion:276 Resp: 640892

Ion Ratio Lower Upper

276 100

138 32.6 8.2 12.4#

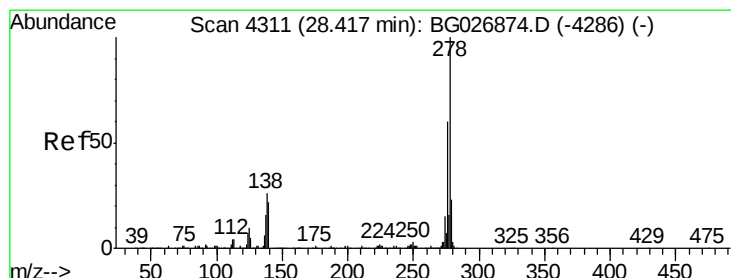
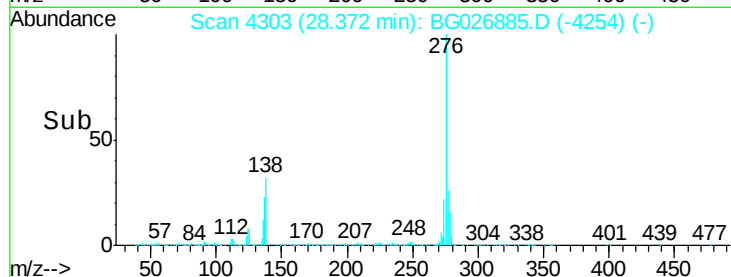
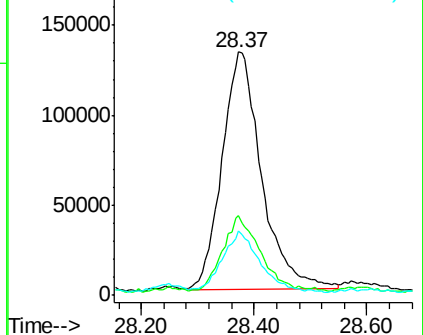
277 26.3 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.35 ng/ul

RT: 28.40 min Scan# 4308

Delta R.T. -0.02 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

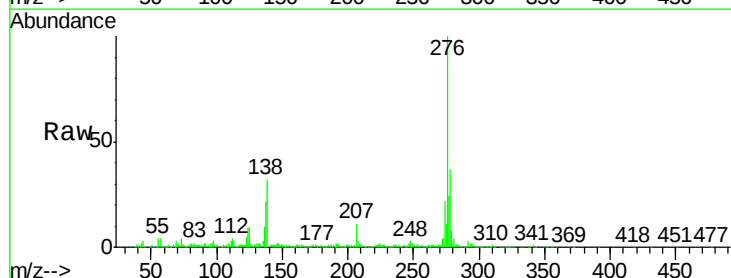
Tgt Ion:278 Resp: 166262

Ion Ratio Lower Upper

278 100

139 0.0 6.7 10.1#

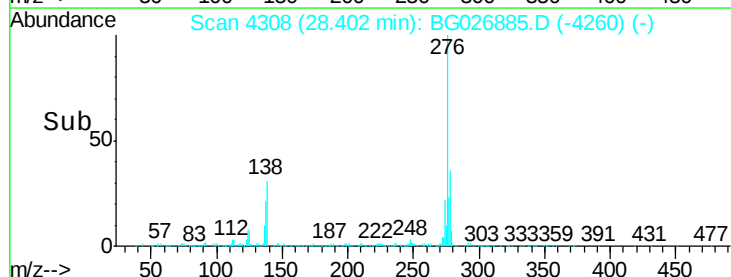
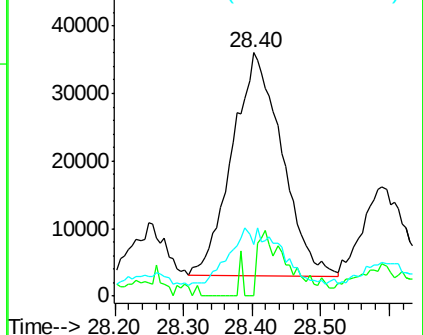
279 21.3 20.9 31.3

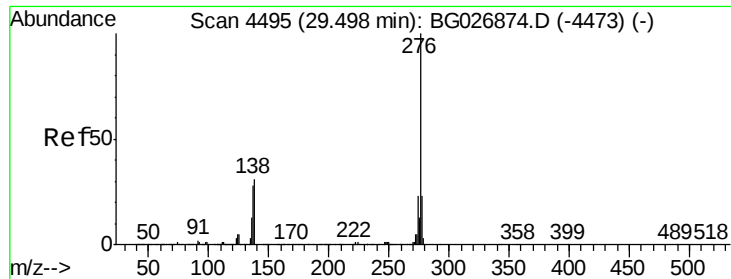


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 10.59 ng/ul

RT: 29.50 min Scan# 4495

Delta R.T. 0.00 min

Lab File: BG026885.D

Acq: 6 May 2017 16:47

Instrument :

BNA_G

ClientSampleId :

BDC42

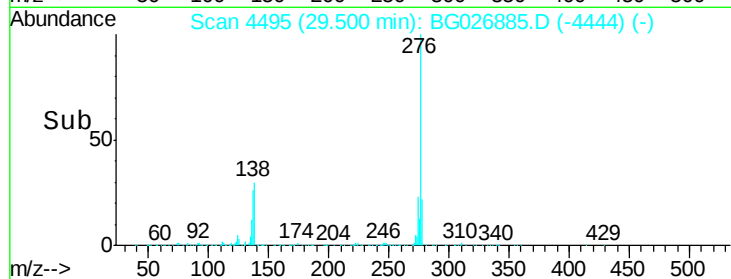
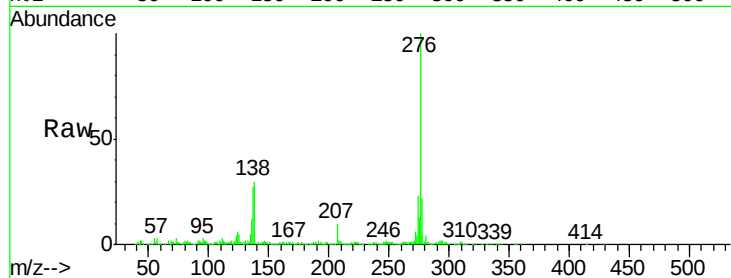
Tgt Ion: 276 Resp: 514710

Ion Ratio Lower Upper

276 100

138 30.5 8.6 12.8#

277 22.5 17.6 26.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

