

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021884.D
 Acq On : 13 May 2016 1:17
 Operator : UM/SJ
 Sample : H2936-22
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X81

Quant Time: May 13 05:03:47 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	57956	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	295523	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	175741	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	369169	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	364331	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	366015	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	5537	4.61	ng/uL	0.00
5) Phenol-d5	7.32	99	125586	29.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	59125	27.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	113242	33.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	105331	29.16	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	57273	29.48	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	64135	52.26	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	114551	33.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	73481	19.66	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	358089	29.01	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	479335	27.35	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	47249	22.33	ng/ul	0.00
58) Fluorene-d10	15.78	176	325666	25.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	36062	35.26	ng/ul	0.00
71) Anthracene-d10	17.64	188	450299	25.06	ng/ul	0.00
77) Pyrene-d10	19.91	212	479174	28.10	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	455719	26.21	ng/ul	0.00

Target Compounds

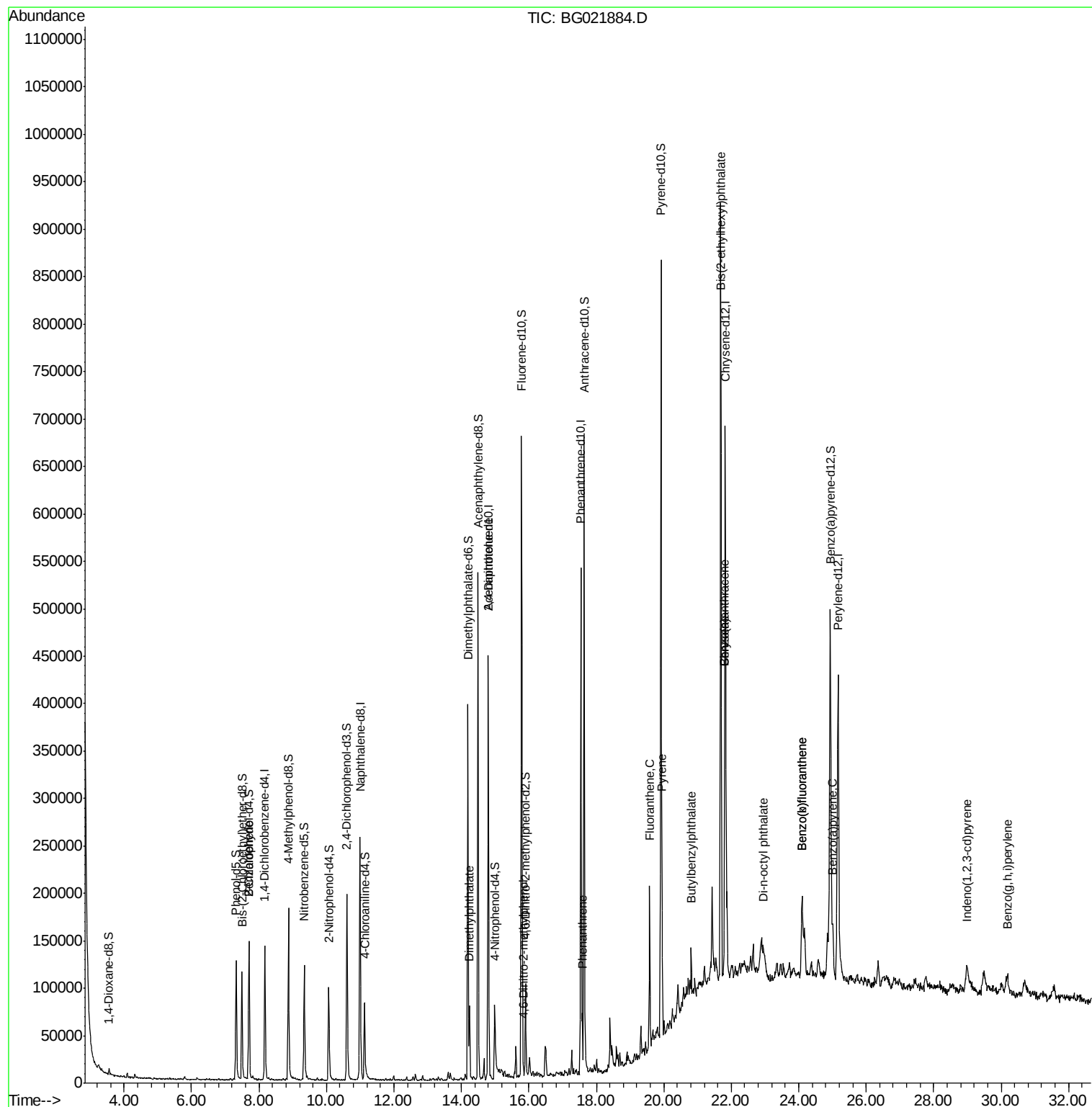
						Qvalue
4) Benzaldehyde	7.70	77	1469	3.14	ng/ul	93
45) Dimethylphthalate	14.24	163	61465	4.89	ng/ul#	97
55) 2,4-Dinitrotoluene	14.80	165	23962	6.98	ng/ul#	24
64) 4,6-Dinitro-2-methylphenol	15.83	198	1656	1.49	ng/ul#	50
70) Phenanthrene	17.58	178	43226	2.14	ng/ul	98
75) Fluoranthene	19.58	202	114020	4.97	ng/ul	96
78) Pyrene	19.94	202	98090	4.65	ng/ul	95
79) Butylbenzylphthalate	20.81	149	19328	4.15	ng/ul#	77
81) Benzo(a)anthracene	21.80	228	68935	3.40	ng/ul	96
82) Bis(2-ethylhexyl)phthalate	21.69	149	477073	62.72	ng/ul	94
83) Chrysene	21.80	228	67766	3.38	ng/ul	98
85) Di-n-octyl phthalate	22.95	149	25025	1.66	ng/ul	100
86) Benzo(b)fluoranthene	24.10	252	111899	5.34	ng/ul#	95
87) Benzo(k)fluoranthene	24.10	252	111899	4.99	ng/ul#	95
89) Benzo(a)pyrene	25.01	252	70410	3.38	ng/ul#	95
90) Indeno(1,2,3-cd)pyrene	28.97	276	50318	2.04	ng/ul#	94
92) Benzo(g,h,i)perylene	30.18	276	23975	1.18	ng/ul#	92

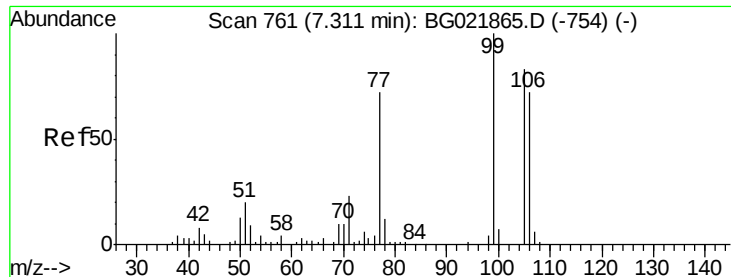
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.14 ng/ul

RT: 7.70 min Scan# 828

Delta R.T. 0.39 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

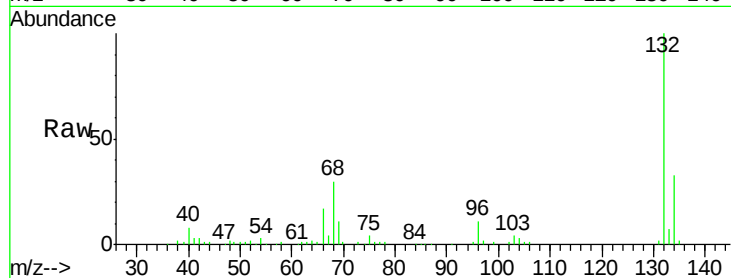
Tgt Ion: 77 Resp: 1469

Ion Ratio Lower Upper

77 100

105 81.6 68.5 102.7

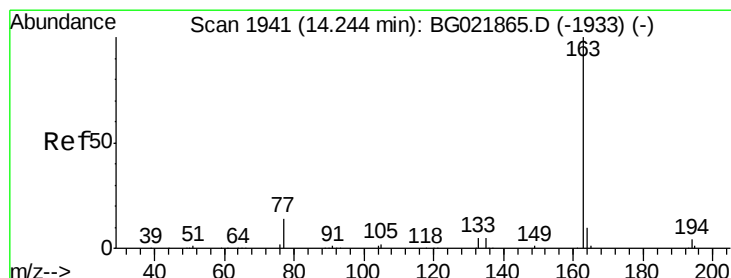
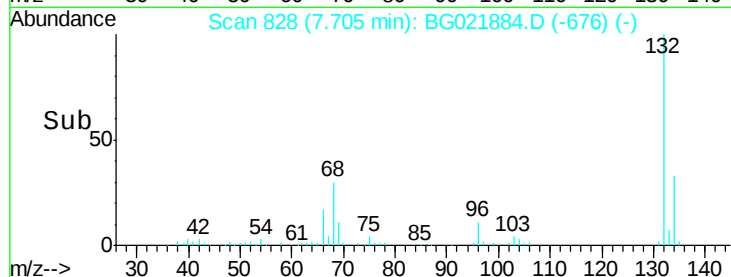
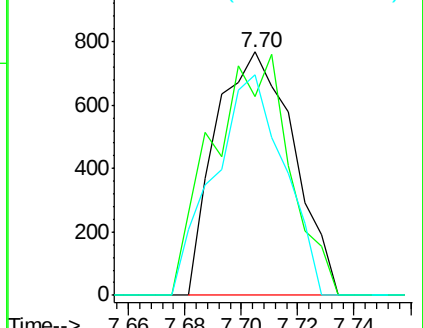
106 90.4 65.0 97.4



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#45

Dimethylphthalate

Concen: 4.89 ng/ul

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

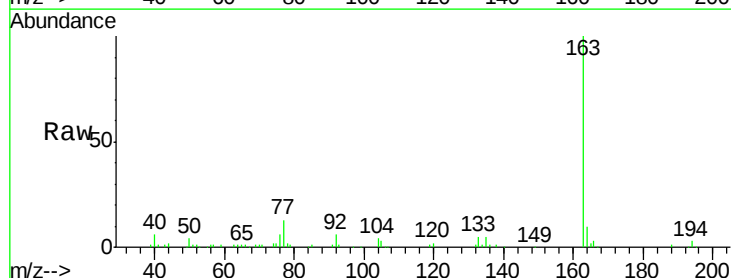
Tgt Ion: 163 Resp: 61465

Ion Ratio Lower Upper

163 100

194 3.4 3.9 5.9#

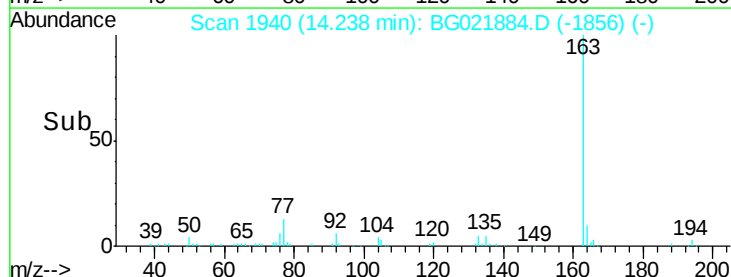
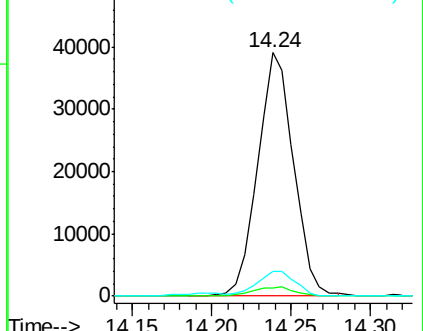
164 10.3 8.7 13.1

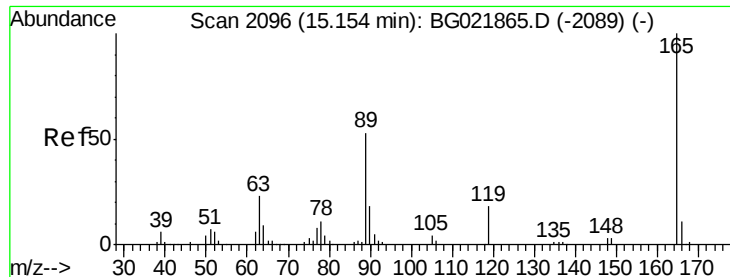


Abundance Ion 163.00 (162.70 to 163.70): BGC

Ion 194.00 (193.70 to 194.70): BGC

Ion 164.00 (163.70 to 164.70): BGC

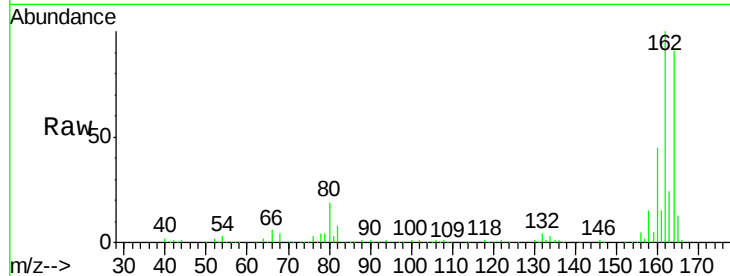




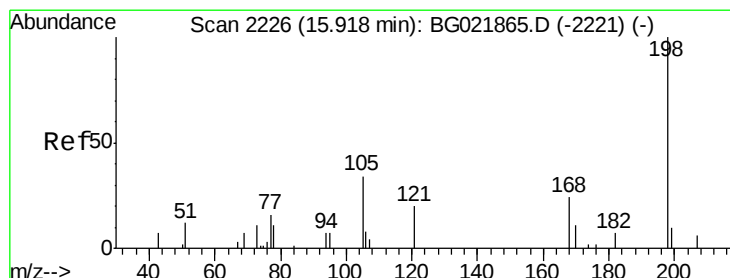
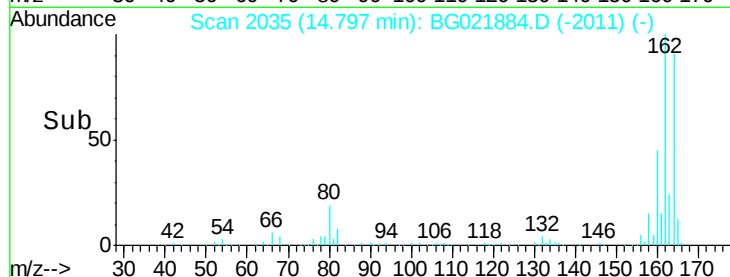
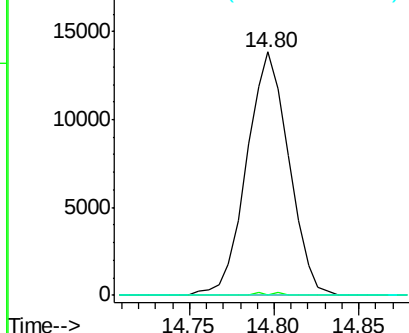
#55
 2,4-Dinitrotoluene
 Concen: 6.98 ng/ul
 RT: 14.80 min Scan# 2035
 Delta R.T. -0.36 min
 Lab File: BG021884.D
 Acq: 13 May 2016 1:17

Instrument :
 BNA_G
 ClientSampleId :
 D9X81

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.1	72.1#
182	0.0	2.2	3.2#

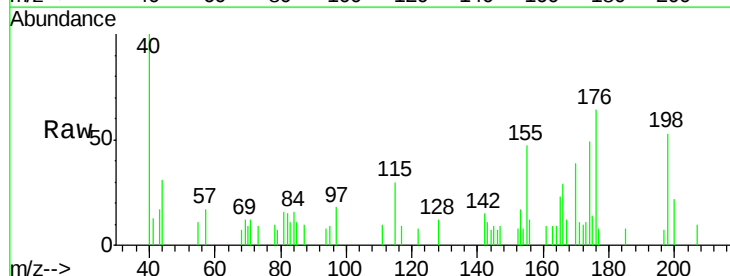


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 182.00 (181.70 to 182.70): E

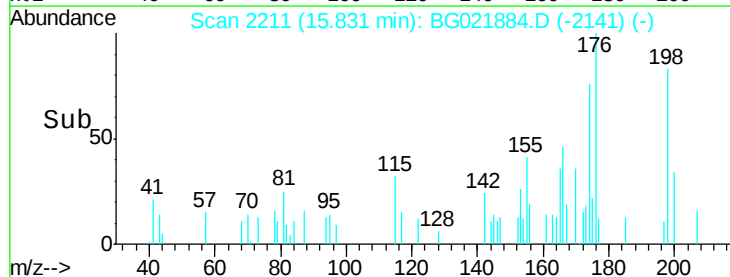
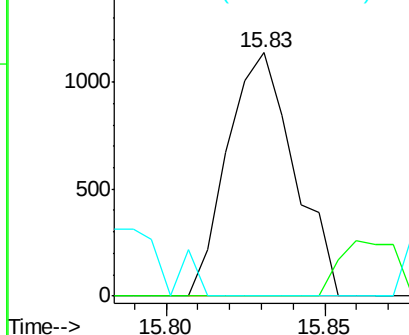


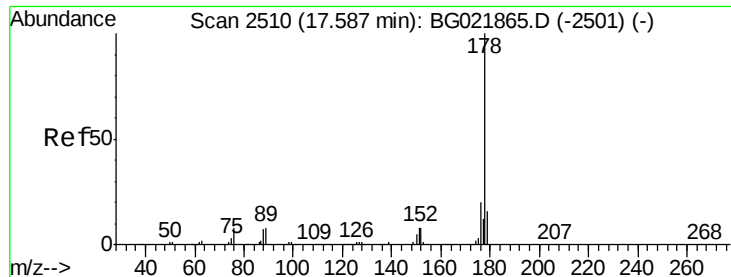
#64
 4,6-Dinitro-2-methylphenol
 Concen: 1.49 ng/ul
 RT: 15.83 min Scan# 2211
 Delta R.T. -0.09 min
 Lab File: BG021884.D
 Acq: 13 May 2016 1:17

Tgt Ion	Ratio	Lower	Upper
198	100		
182	0.0	3.8	5.8#
77	0.0	24.2	36.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): BG





#70

Phenanthrene

Concen: 2.14 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

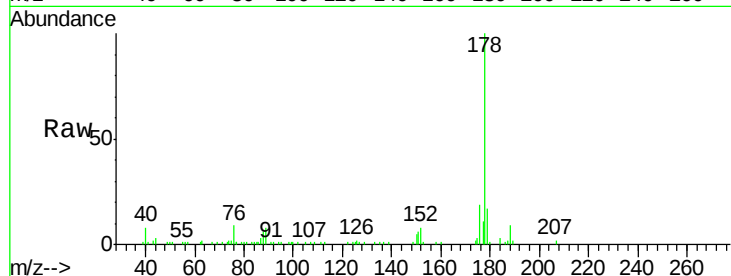
Tgt Ion:178 Resp: 43226

Ion Ratio Lower Upper

178 100

179 16.6 11.8 17.8

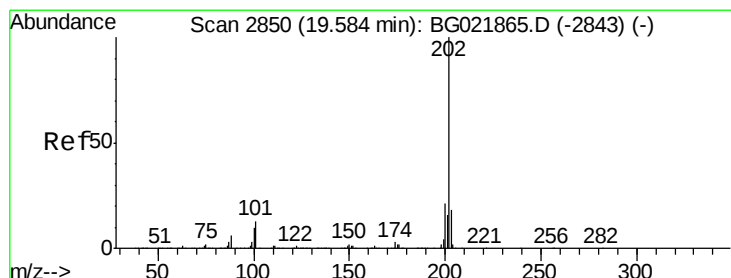
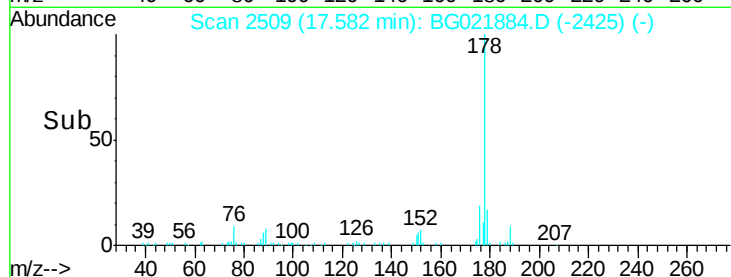
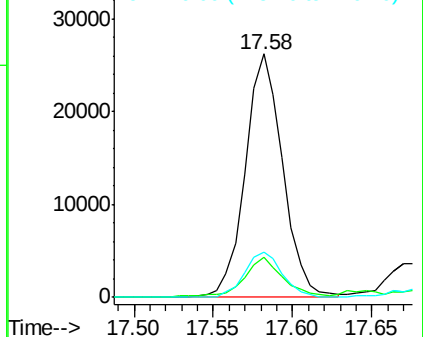
176 18.8 14.8 22.2



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



#75

Fluoranthene

Concen: 4.97 ng/ul

RT: 19.58 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

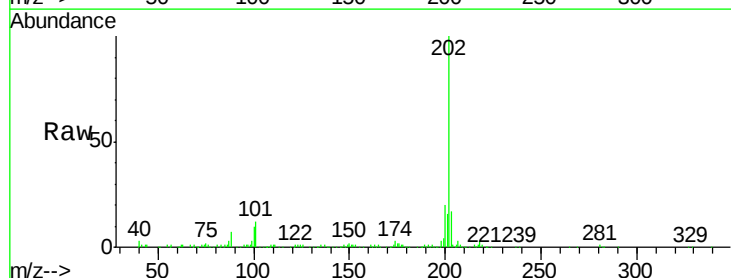
Tgt Ion:202 Resp: 114020

Ion Ratio Lower Upper

202 100

101 12.5 8.9 13.3

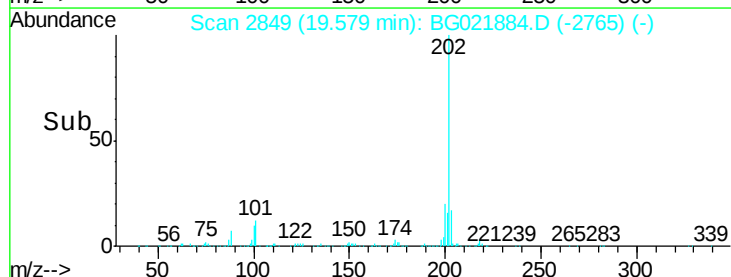
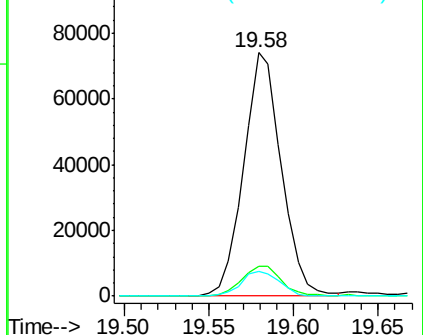
100 10.3 7.0 10.4

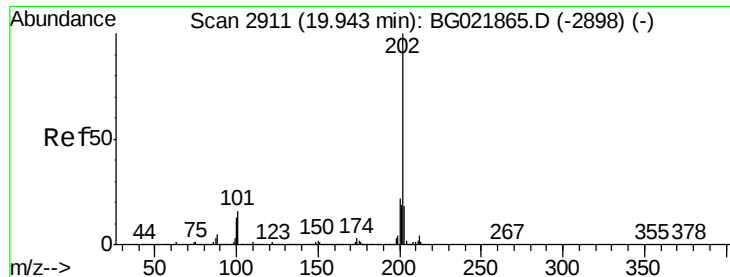


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

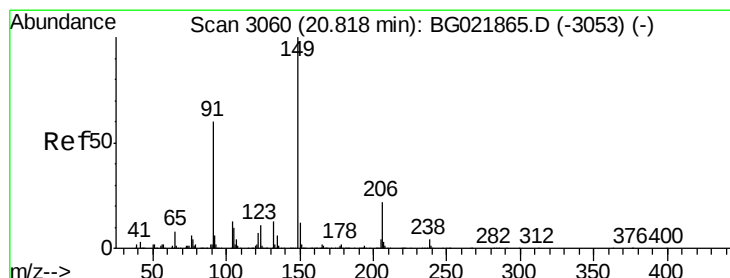
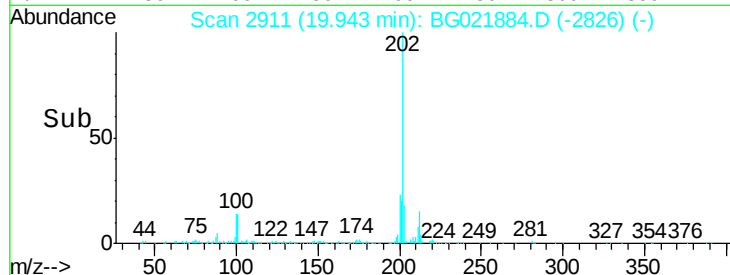
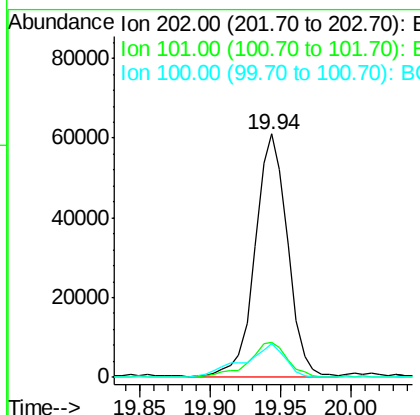
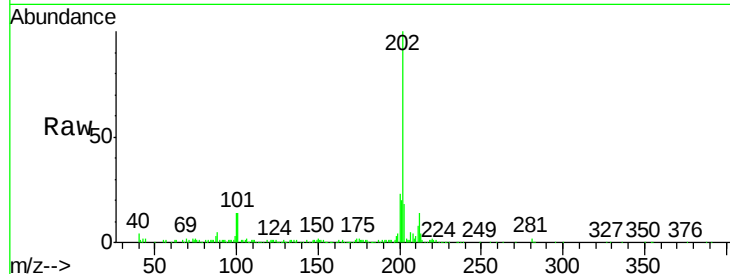




#78
Pyrene
Concen: 4.65 ng/ul
RT: 19.94 min Scan# 2911
Delta R.T. 0.00 min
Lab File: BG021884.D
Acq: 13 May 2016 1:17

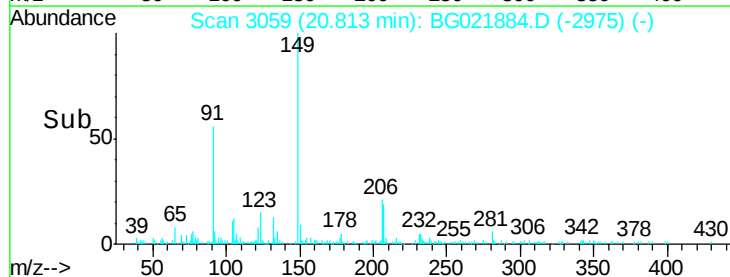
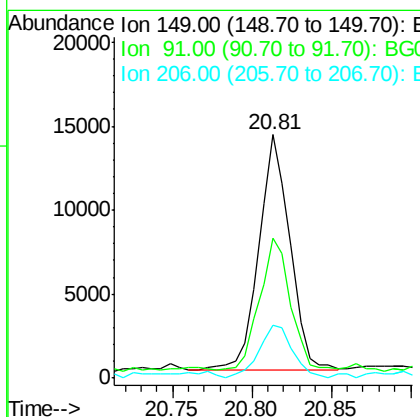
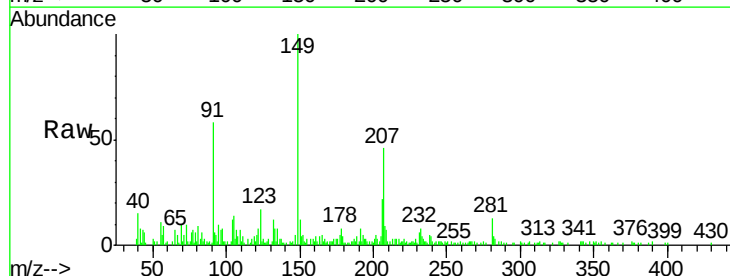
Instrument :
BNA_G
ClientSampleId :
D9X81

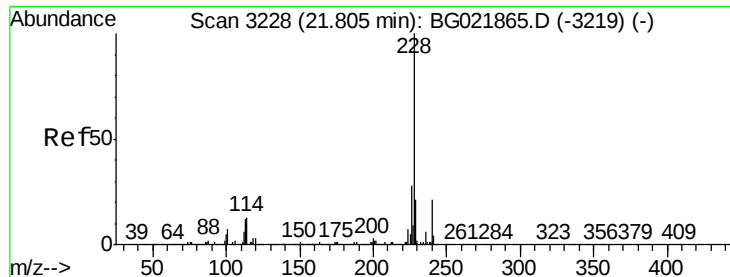
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	9.8	14.8
100	13.8	9.3	13.9



#79
Butylbenzylphthalate
Concen: 4.15 ng/ul
RT: 20.81 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BG021884.D
Acq: 13 May 2016 1:17

Tgt Ion	Ratio	Lower	Upper
149	100		
91	57.5	65.8	98.8#
206	21.8	15.5	23.3





#81

Benzo(a)anthracene

Concen: 3.40 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

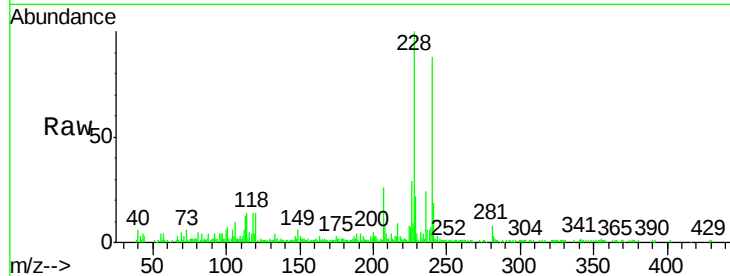
Tgt Ion:228 Resp: 68935

Ion Ratio Lower Upper

228 100

229 21.7 16.6 25.0

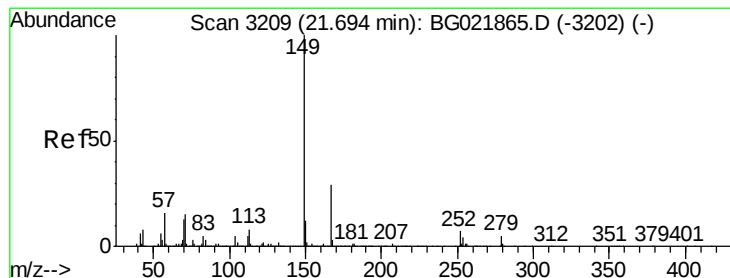
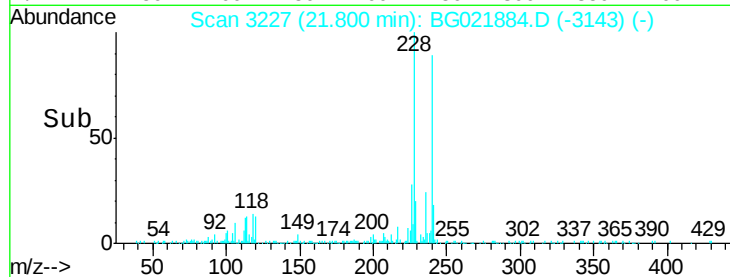
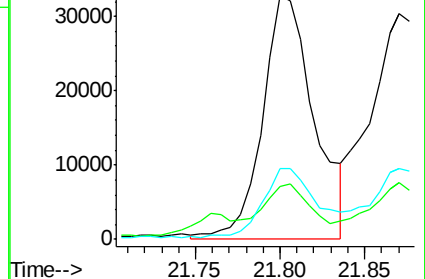
226 28.9 21.0 31.4



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

Bis(2-ethylhexyl)phthalate

Concen: 62.72 ng/ul

RT: 21.69 min Scan# 3208

Delta R.T. -0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

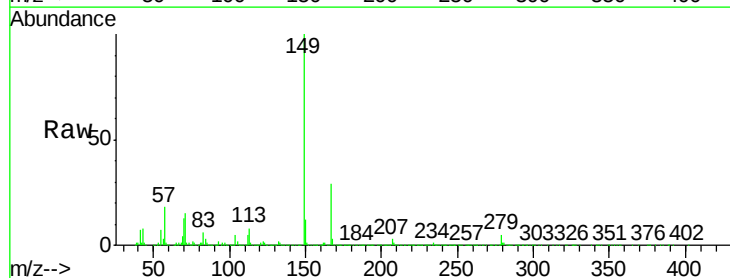
Tgt Ion:149 Resp: 477073

Ion Ratio Lower Upper

149 100

167 28.9 20.5 30.7

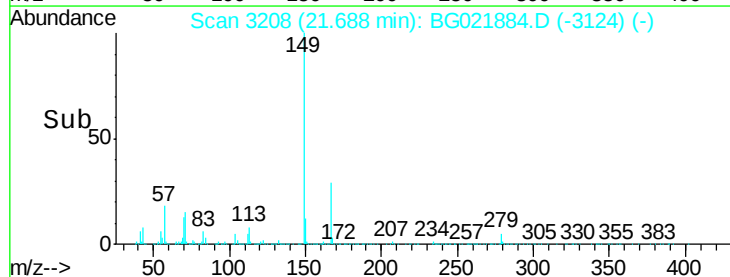
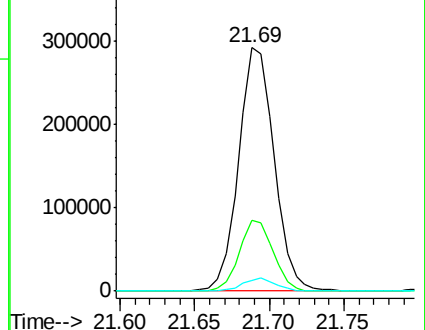
279 4.5 3.7 5.5

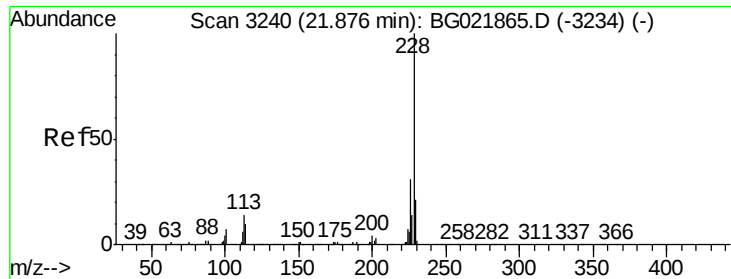


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#83

Chrysene

Concen: 3.38 ng/ul

RT: 21.80 min Scan# 3227

Delta R.T. -0.08 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

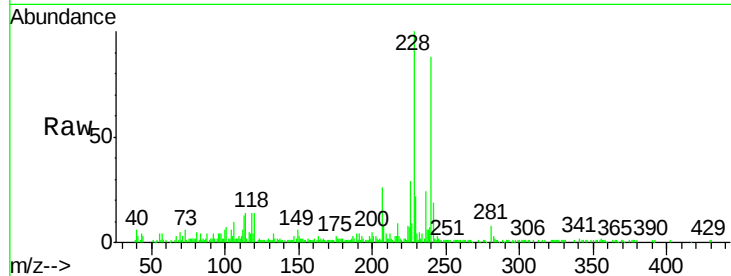
Tgt Ion:228 Resp: 67766

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

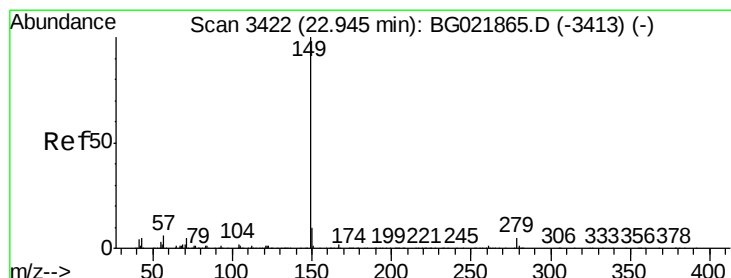
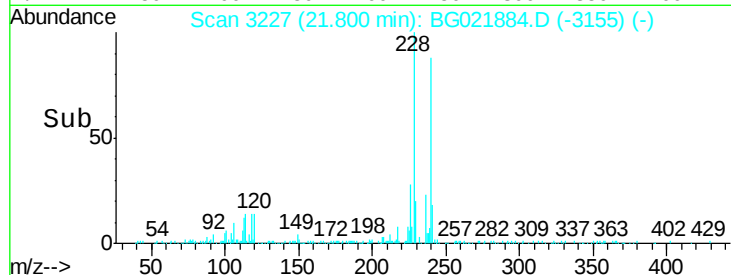
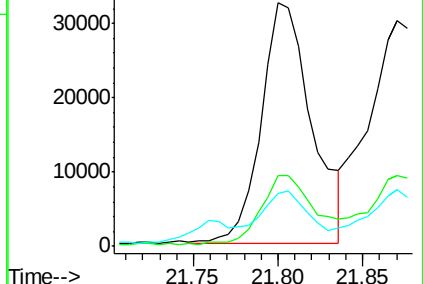
229 21.7 16.2 24.2



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

Di-n-octyl phthalate

Concen: 1.66 ng/ul

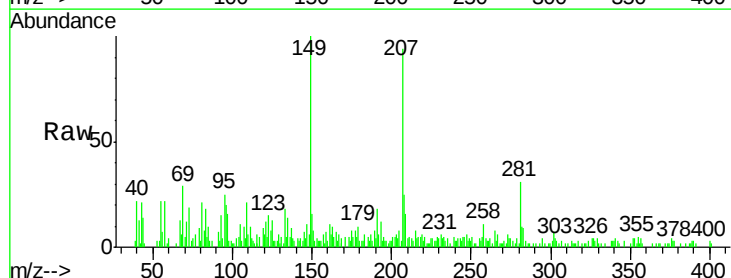
RT: 22.95 min Scan# 3423

Delta R.T. 0.01 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Tgt Ion:149 Resp: 25025



Abundance Ion 149.00 (148.70 to 149.70): E

10000

8000

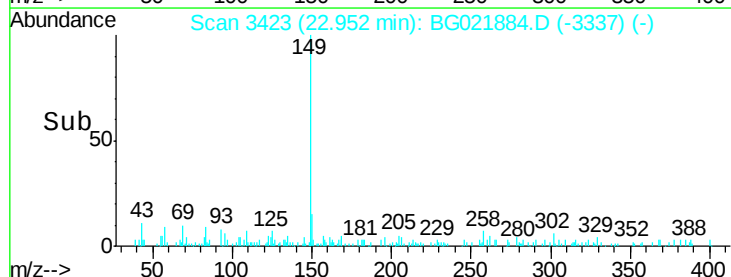
6000

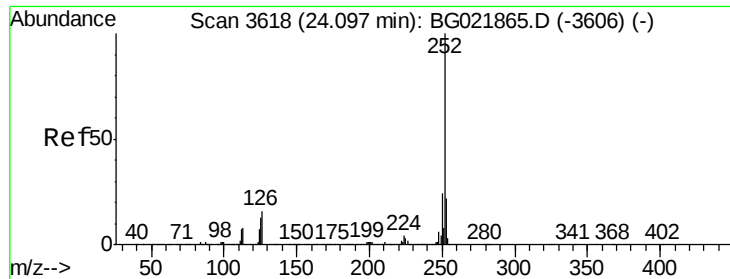
4000

2000

0

Time-->

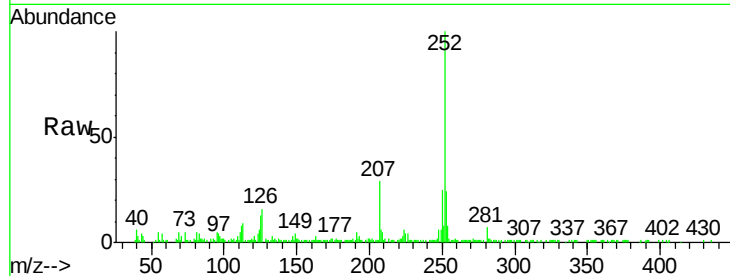




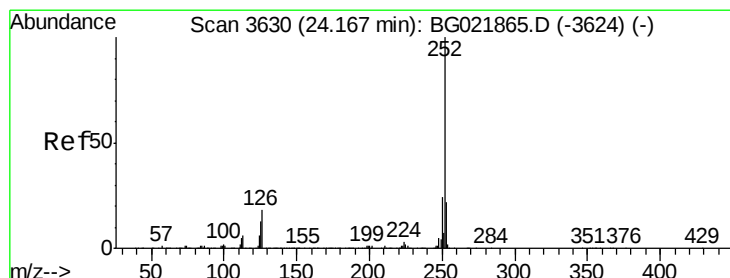
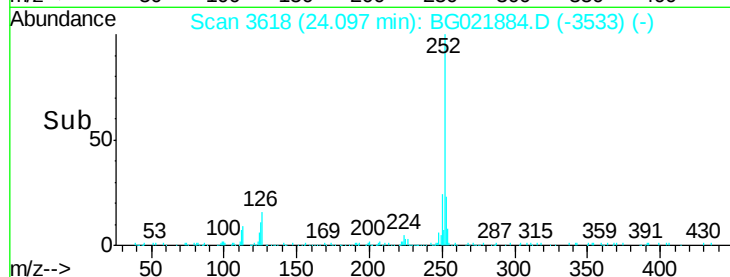
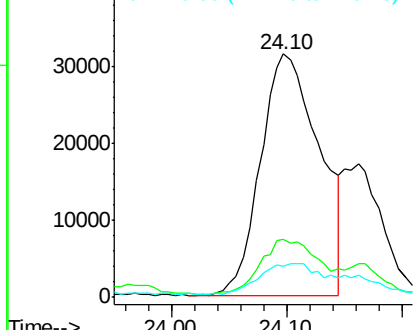
#86
Benzo(b)fluoranthene
Concen: 5.34 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. 0.00 min
Lab File: BG021884.D
Acq: 13 May 2016 1:17

Instrument :
BNA_G
ClientSampleId :
D9X81

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	12.9	7.6	11.4

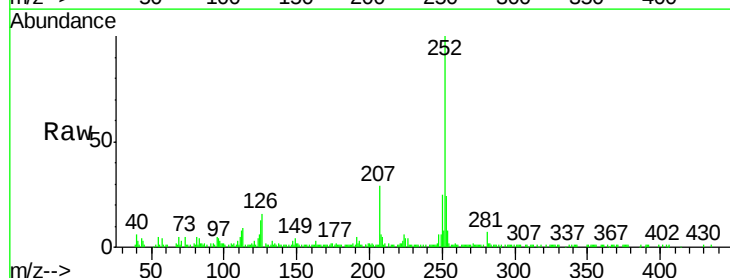


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

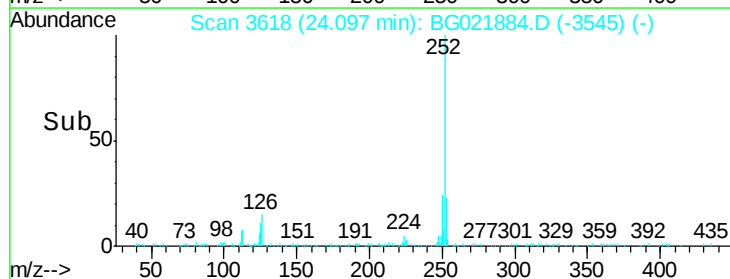
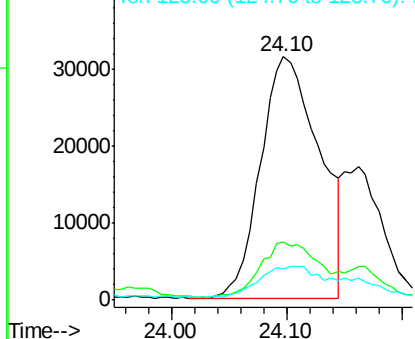


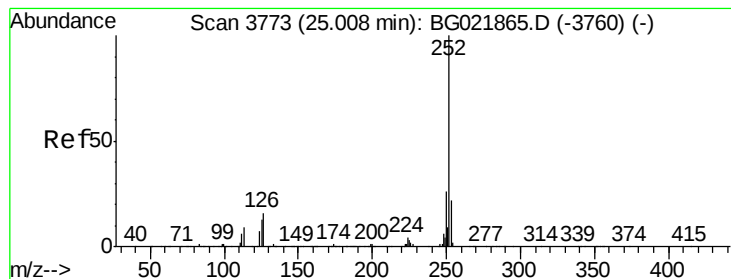
#87
Benzo(k)fluoranthene
Concen: 4.99 ng/ul
RT: 24.10 min Scan# 3618
Delta R.T. -0.07 min
Lab File: BG021884.D
Acq: 13 May 2016 1:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	12.9	7.7	11.5



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: 3.38 ng/ul

RT: 25.01 min Scan# 3773

Delta R.T. 0.00 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

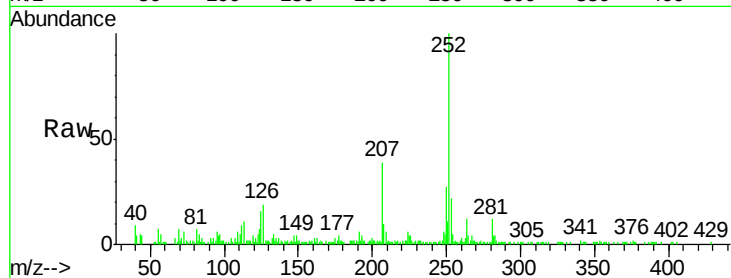
Tgt Ion:252 Resp: 70410

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

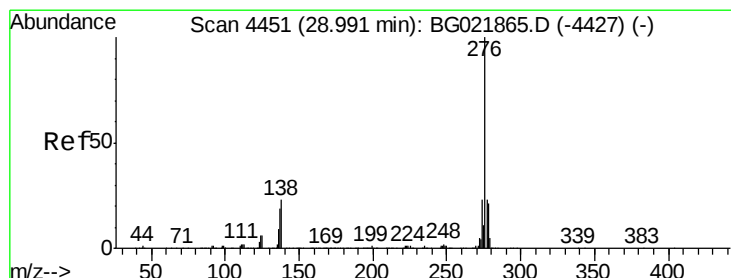
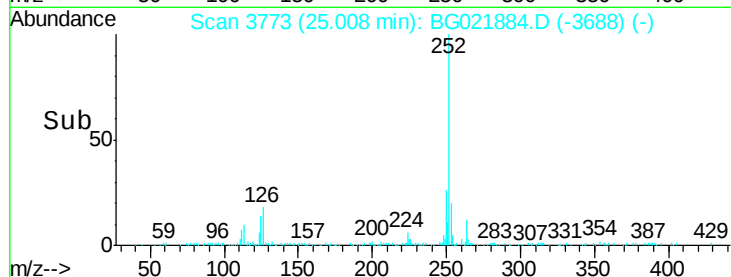
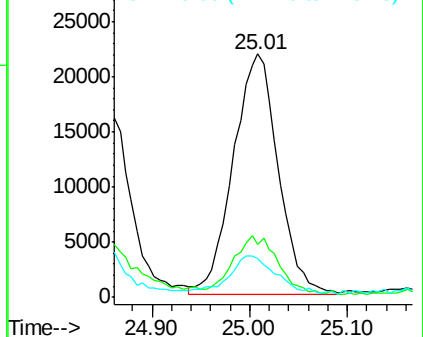
125 16.0 8.2 12.2#



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

Indeno(1,2,3-cd)pyrene

Concen: 2.04 ng/ul

RT: 28.97 min Scan# 4448

Delta R.T. -0.02 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

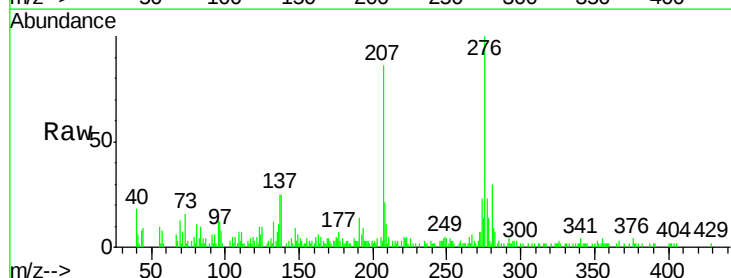
Tgt Ion:276 Resp: 50318

Ion Ratio Lower Upper

276 100

138 25.4 15.8 23.6#

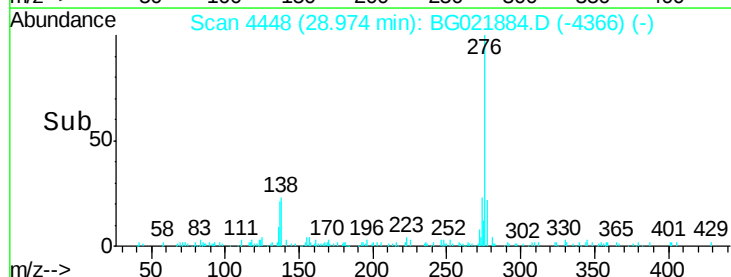
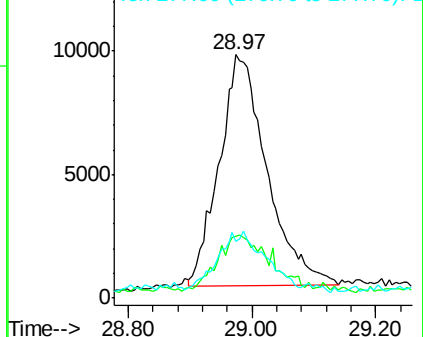
277 23.5 19.0 28.6

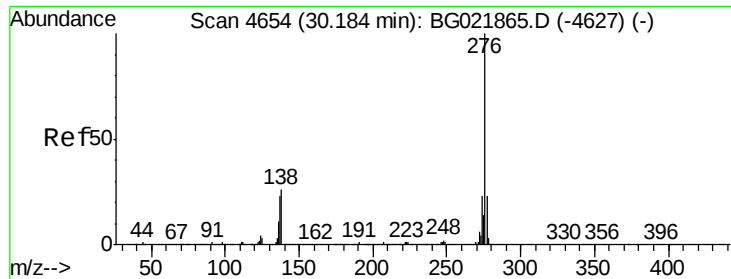


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Benzo(g,h,i)perylene

Concen: 1.18 ng/ul

RT: 30.18 min Scan# 4654

Delta R.T. 0.00 min

Lab File: BG021884.D

Acq: 13 May 2016 1:17

Instrument :

BNA_G

ClientSampleId :

D9X81

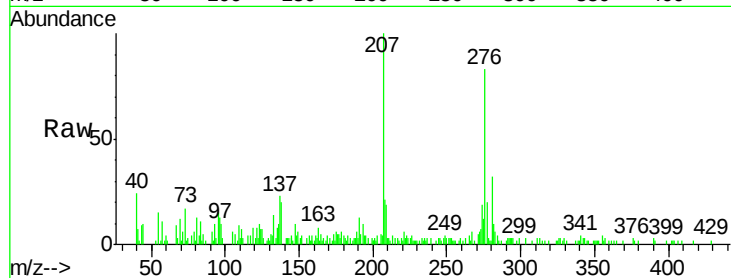
Tgt Ion: 276 Resp: 23975

Ion Ratio Lower Upper

276 100

138 24.6 13.9 20.9#

277 23.8 19.8 29.6



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

