

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051016\
 Data File : BG021830.D
 Acq On : 11 May 2016 00:02
 Operator : UM/SJ
 Sample : H2937-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MSD

Quant Time: May 11 03:33:49 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	79267	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	379979	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	214993	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	438887	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	435978	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	422375	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	6007	3.66	ng/uL	0.00
5) Phenol-d5	7.33	99	120652	20.51	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	59800	20.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	108926	23.86	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	98336	19.90	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	54105	21.66	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	51227	32.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.75	165	111	0.02	ng/ul	0.14
29) 4-Chloroaniline-d4	11.13	131	64913	13.51	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	328945	21.78	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	451286	21.05	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	48591	18.77	ng/ul	0.00
58) Fluorene-d10	15.79	176	305812	19.23	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	31437	25.86	ng/ul	0.00
71) Anthracene-d10	17.64	188	428351	20.05	ng/ul	0.00
77) Pyrene-d10	19.92	212	451329	22.12	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	416954	20.78	ng/ul	0.02

Target Compounds

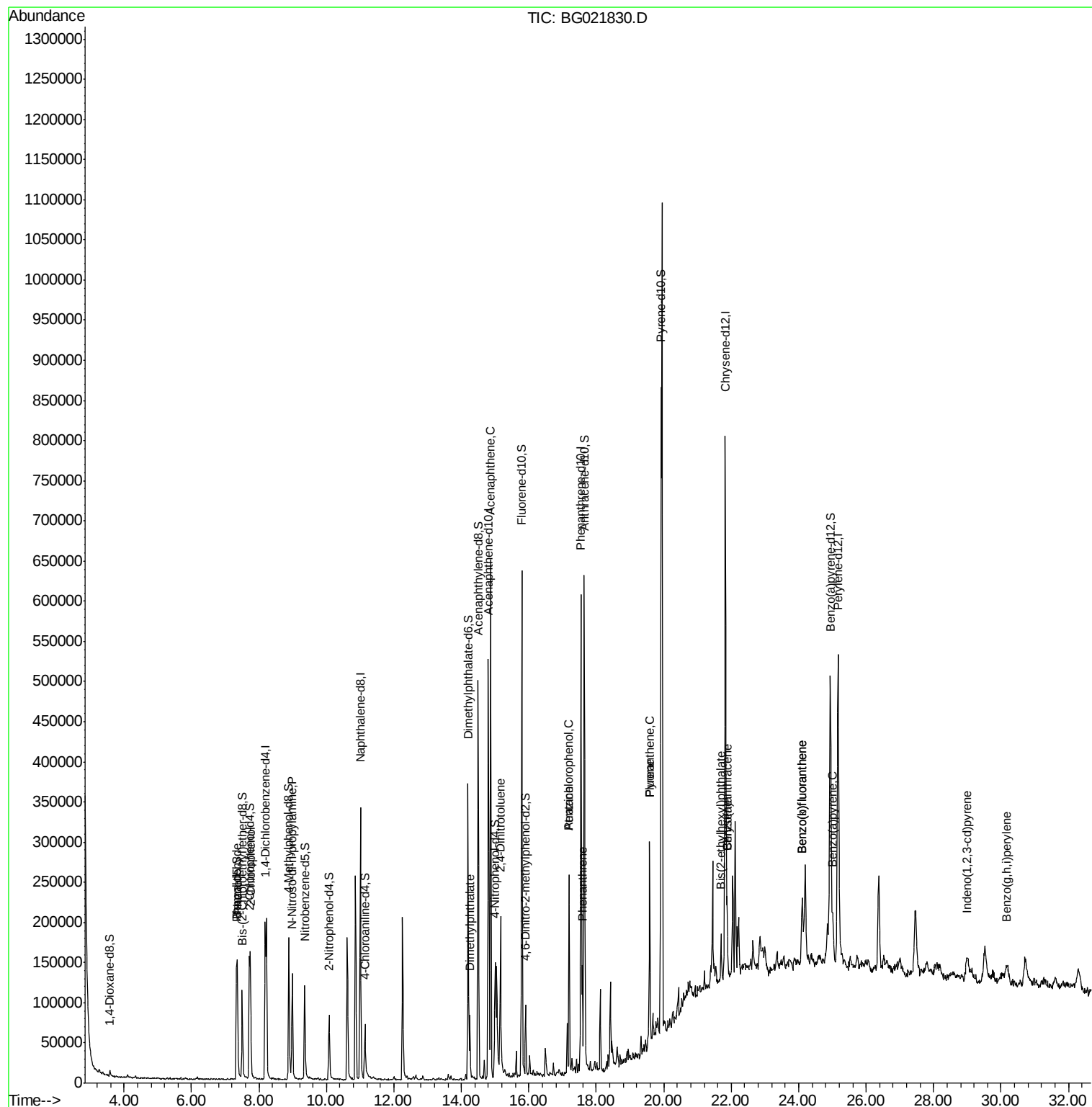
					Qvalue	
4) Benzaldehyde	7.34	77	973	1.52	ng/ul	90
6) Phenol	7.36	94	121662	19.45	ng/ul#	73
10) 2-Chlorophenol	7.74	128	108734	23.62	ng/ul#	77
15) N-Nitroso-di-n-propylamine	8.98	70	69169	18.81	ng/ul#	75
45) Dimethylphthalate	14.25	163	64106	4.17	ng/ul#	97
50) Acenaphthene	14.86	153	313334	20.53	ng/ul	96
55) 2,4-Dinitrotoluene	15.16	165	88460	21.05	ng/ul#	57
68) Atrazine	17.19	200	10311	2.80	ng/ul#	35
69) Pentachlorophenol	17.19	266	60905	30.11	ng/ul	96
70) Phenanthrene	17.59	178	92278	3.85	ng/ul	99
75) Fluoranthene	19.59	202	164874	6.05	ng/ul#	94
78) Pyrene	19.59	202	164874	6.54	ng/ul	95
81) Benzo(a)anthracene	21.87	228	73530	3.03	ng/ul	95
82) Bis(2-ethylhexyl)phthalate	21.70	149	33779	3.71	ng/ul	99
83) Chrysene	21.87	228	73222	3.05	ng/ul	98
86) Benzo(b)fluoranthene	24.10	252	100564	4.16	ng/ul#	91
87) Benzo(k)fluoranthene	24.10	252	100564	3.89	ng/ul#	91
89) Benzo(a)pyrene	25.01	252	73849	3.07	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.98	276	52909	1.85	ng/ul#	86
92) Benzo(g,h,i)perylene	30.18	276	45271	1.92	ng/ul#	90

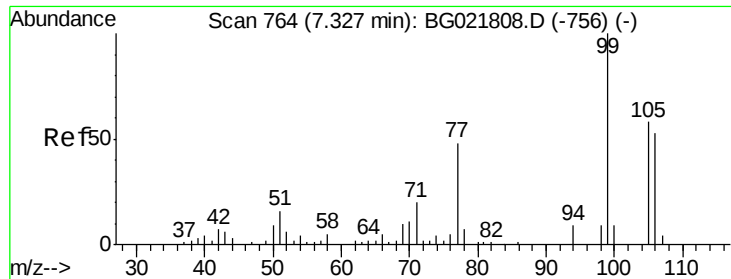
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 11 02:37:33 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.52 ng/ul

RT: 7.34 min Scan# 766

Delta R.T. 0.01 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

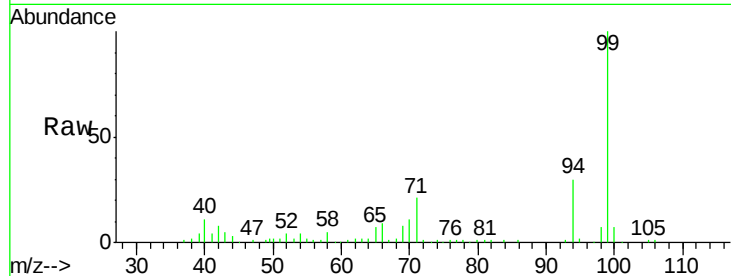
Tgt Ion: 77 Resp: 973

Ion Ratio Lower Upper

77 100

105 74.4 68.5 102.7

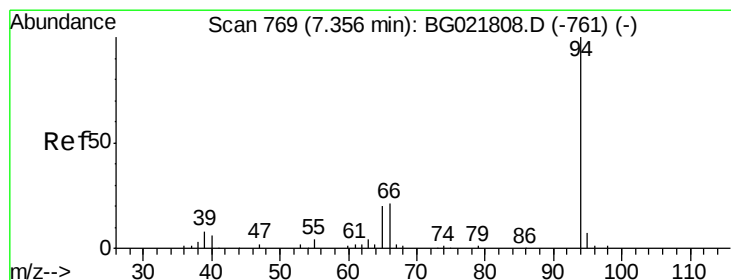
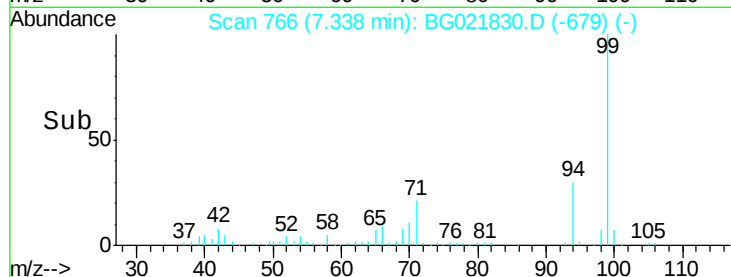
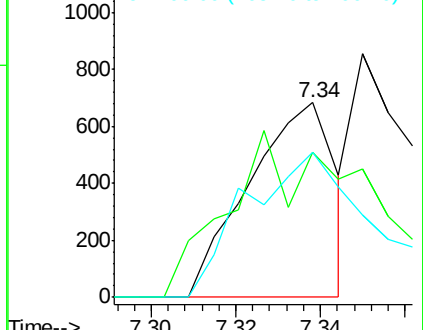
106 74.3 65.0 97.4



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



#6

Phenol

Concen: 19.45 ng/ul

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

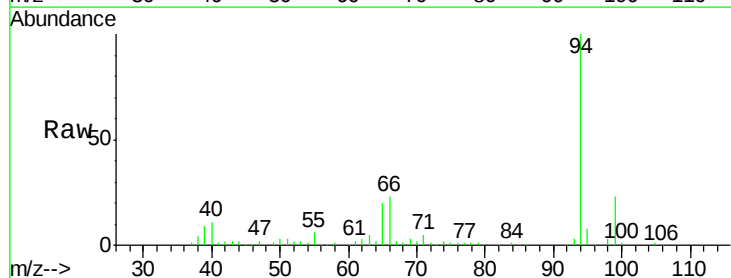
Tgt Ion: 94 Resp: 121662

Ion Ratio Lower Upper

94 100

65 20.5 26.1 39.1#

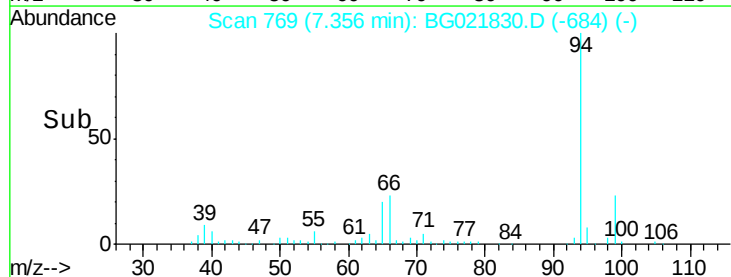
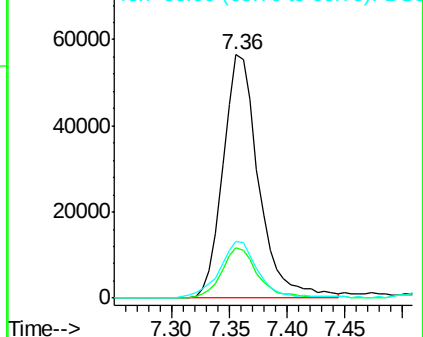
66 23.5 35.0 52.4#

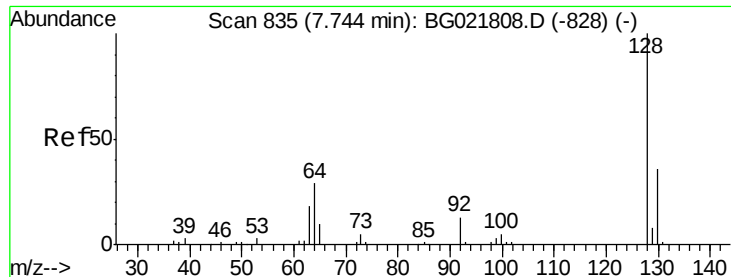


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

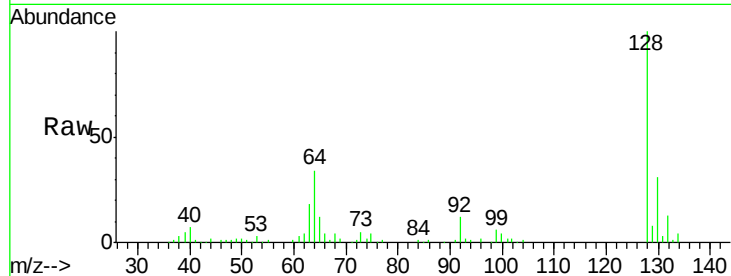




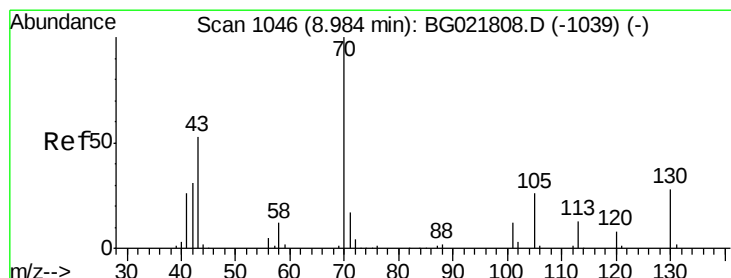
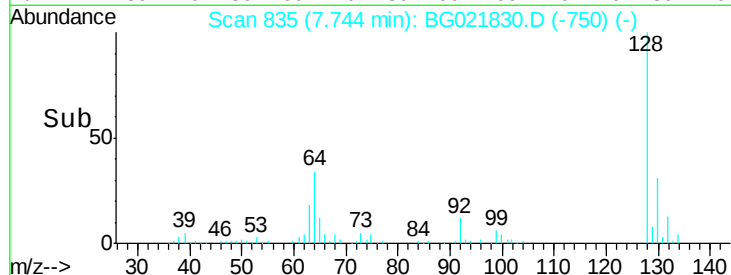
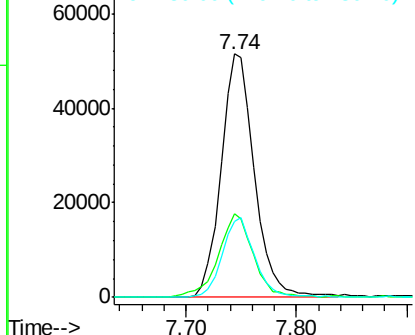
#10
2-Chlorophenol
Concen: 23.62 ng/ul
RT: 7.74 min Scan# 835
Delta R.T. -0.00 min
Lab File: BG021830.D
Acq: 11 May 2016 00:02

Instrument :
BNA_G
ClientSampleId :
D9WL1MSD

Tgt Ion:128 Resp: 108734
Ion Ratio Lower Upper
128 100
64 34.3 47.0 70.6#
130 31.3 27.8 41.6

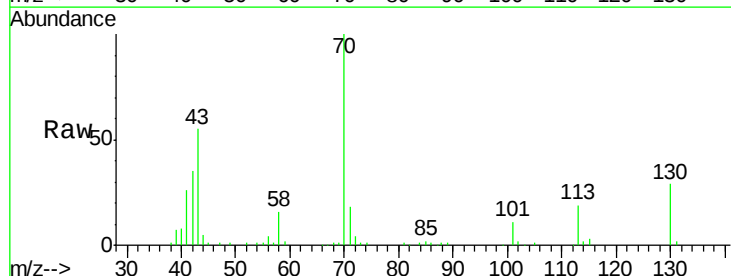


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 130.00 (129.70 to 130.70): E

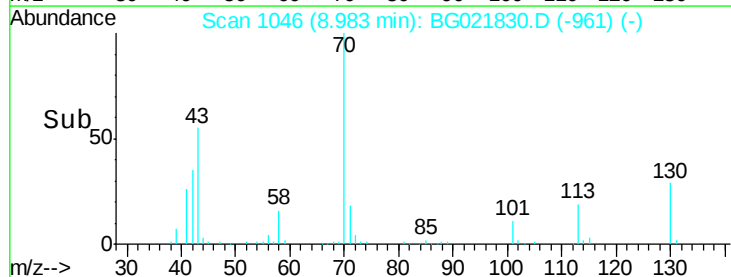
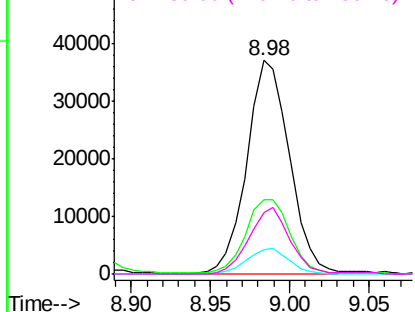


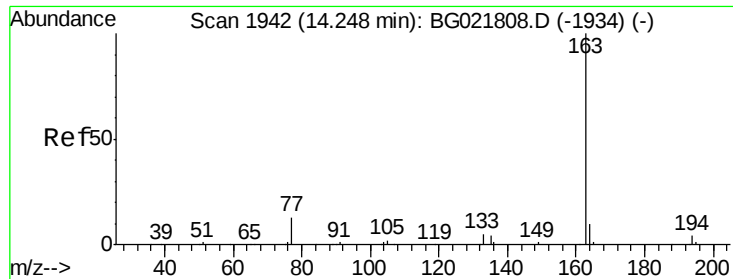
#15
N-Nitroso-di-n-propylamine
Concen: 18.81 ng/ul
RT: 8.98 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BG021830.D
Acq: 11 May 2016 00:02

Tgt Ion: 70 Resp: 69169
Ion Ratio Lower Upper
70 100
42 34.8 43.4 65.0#
101 11.5 6.5 9.7#
130 28.8 13.8 20.6#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#45

Dimethylphthalate

Concen: 4.17 ng/ul

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

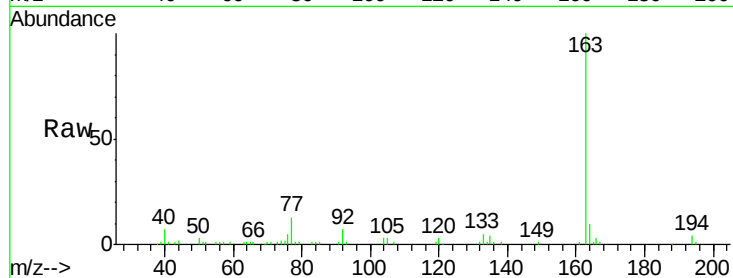
Tgt Ion:163 Resp: 64106

Ion Ratio Lower Upper

163 100

194 3.7 3.9 5.9#

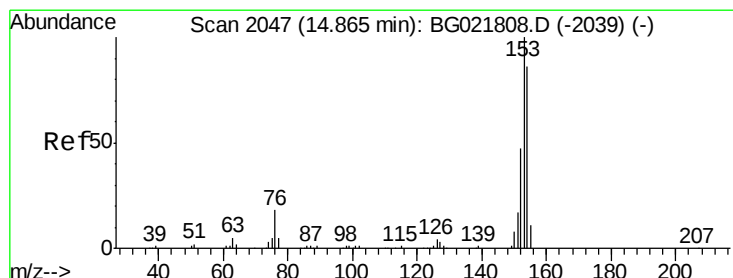
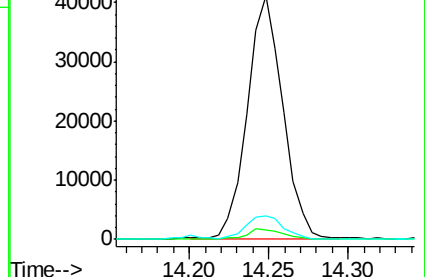
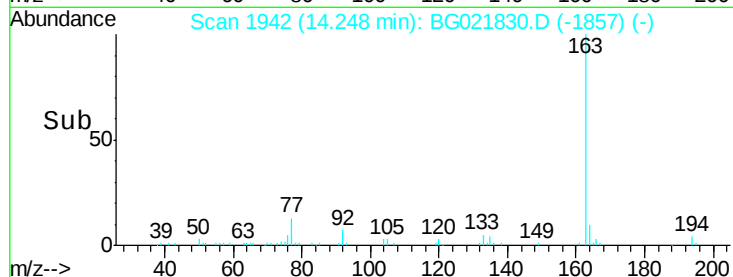
164 9.7 8.7 13.1



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



#50

Acenaphthene

Concen: 20.53 ng/ul

RT: 14.86 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

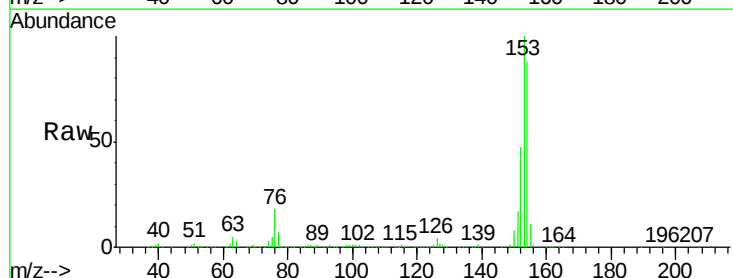
Tgt Ion:153 Resp: 313334

Ion Ratio Lower Upper

153 100

152 47.4 36.5 54.7

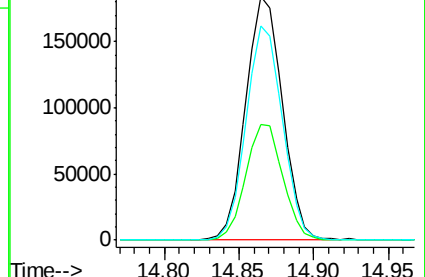
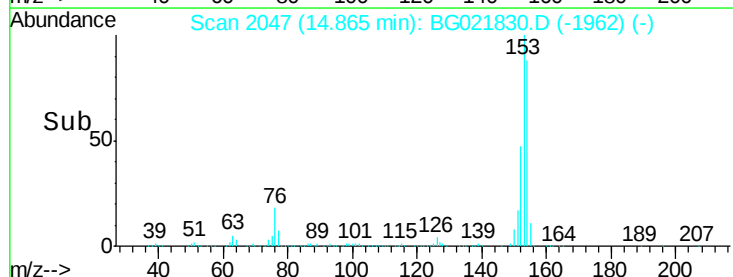
154 88.0 67.3 100.9

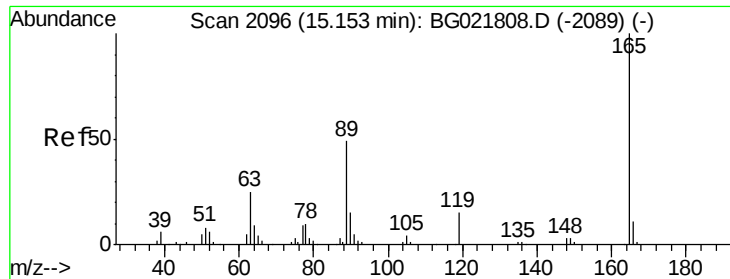


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

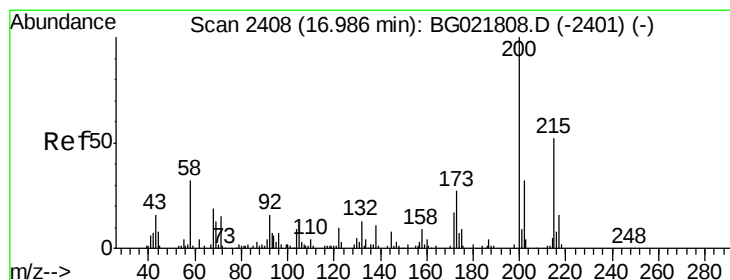
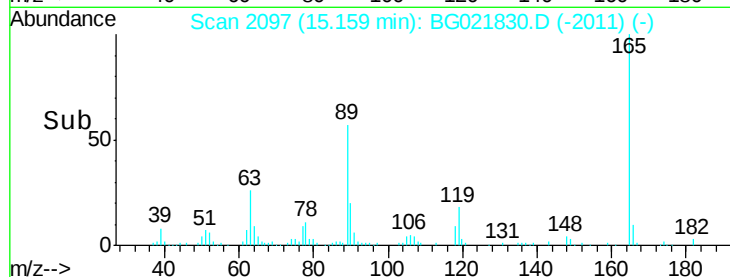
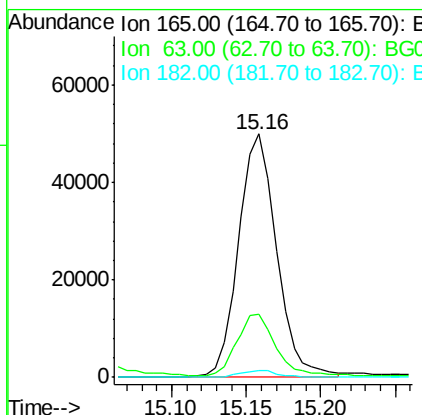
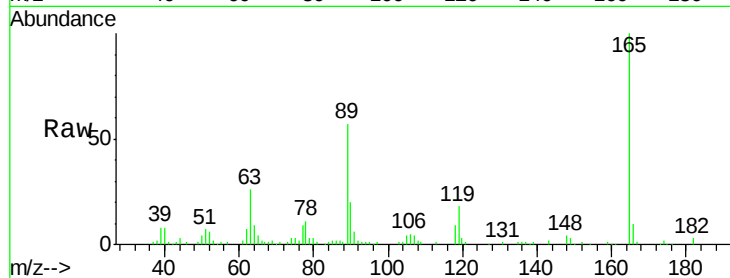




#55
 2,4-Dinitrotoluene
 Concen: 21.05 ng/ul
 RT: 15.16 min Scan# 2097
 Delta R.T. 0.01 min
 Lab File: BG021830.D
 Acq: 11 May 2016 00:02

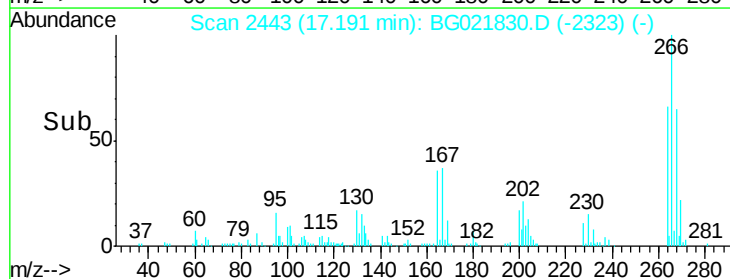
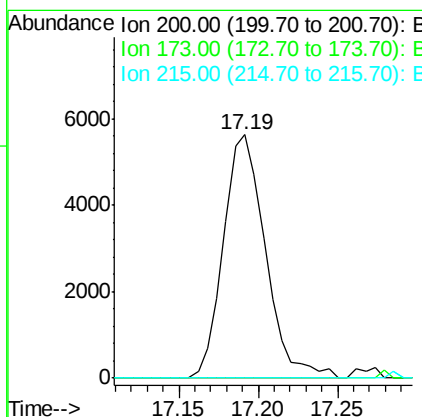
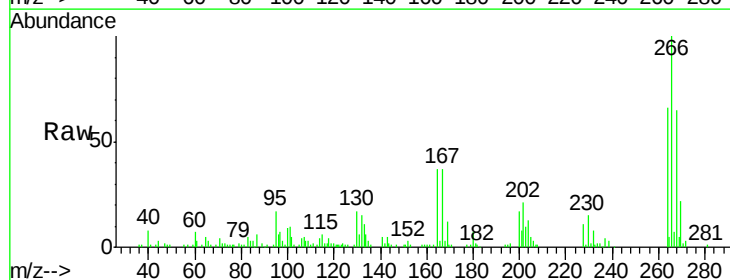
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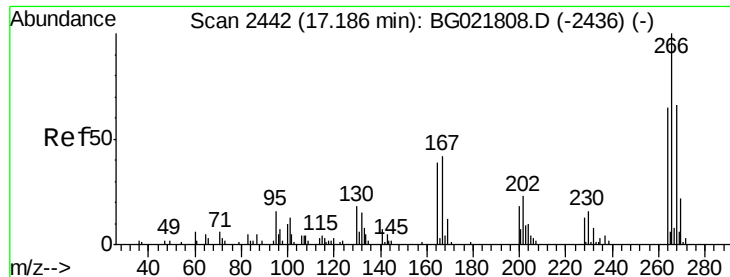
Tgt Ion:165 Resp: 88460
 Ion Ratio Lower Upper
 165 100
 63 26.1 48.1 72.1#
 182 2.9 2.2 3.2



#68
 Atrazine
 Concen: 2.80 ng/ul
 RT: 17.19 min Scan# 2443
 Delta R.T. 0.21 min
 Lab File: BG021830.D
 Acq: 11 May 2016 00:02

Tgt Ion:200 Resp: 10311
 Ion Ratio Lower Upper
 200 100
 173 0.0 19.2 28.8#
 215 0.0 40.2 60.2#

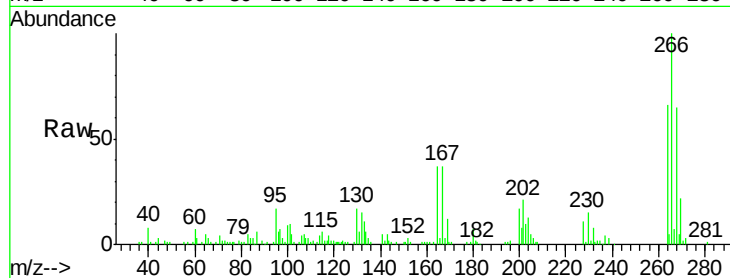




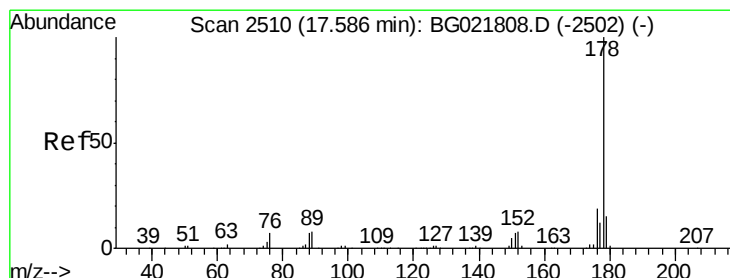
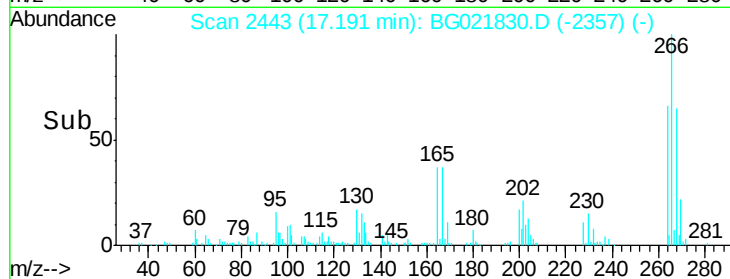
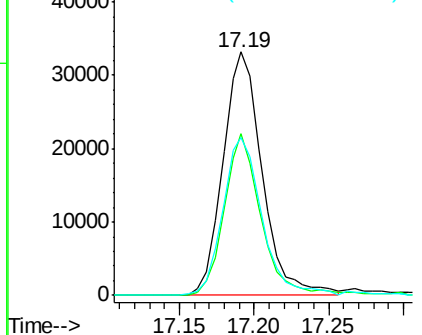
#69
 Pentachlorophenol
 Concen: 30.11 ng/u1
 RT: 17.19 min Scan# 2443
 Delta R.T. 0.01 min
 Lab File: BG021830.D
 Acq: 11 May 2016 00:02

Instrument :
 BNA_G
 ClientSampleId :
 D9WL1MSD

Tgt Ion:266 Resp: 60905
 Ion Ratio Lower Upper
 266 100
 264 71.2 56.7 85.1
 268 69.7 50.6 76.0

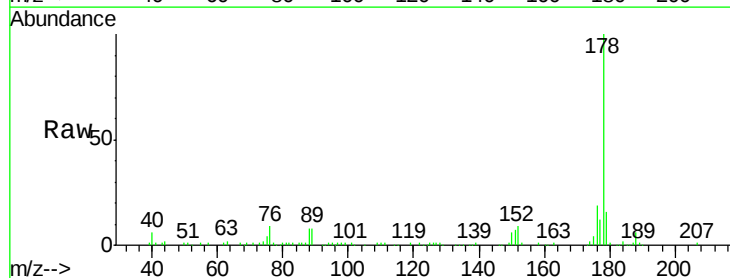


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

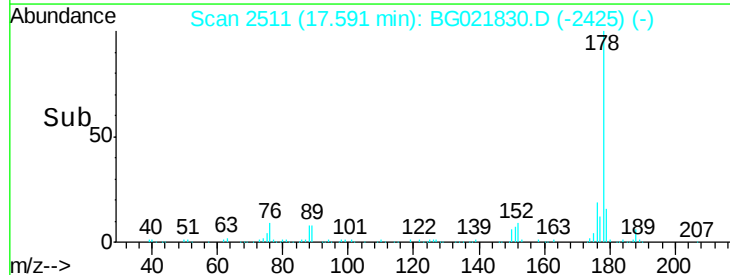
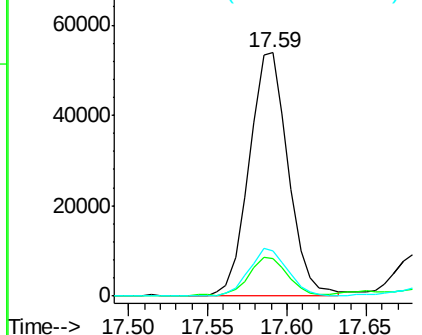


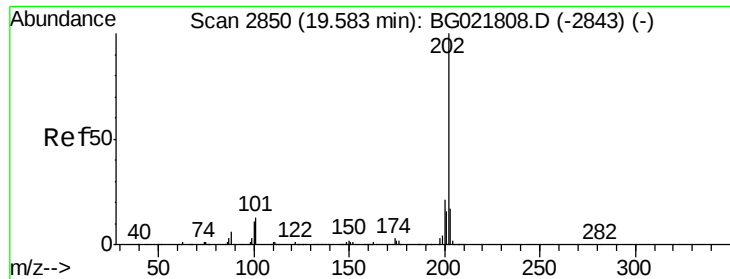
#70
 Phenanthrene
 Concen: 3.85 ng/u1
 RT: 17.59 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: BG021830.D
 Acq: 11 May 2016 00:02

Tgt Ion:178 Resp: 92278
 Ion Ratio Lower Upper
 178 100
 179 15.6 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: 6.05 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

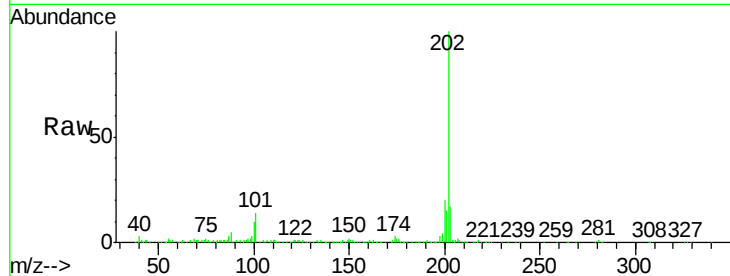
Tgt Ion:202 Resp: 164874

Ion Ratio Lower Upper

202 100

101 14.2 8.9 13.3#

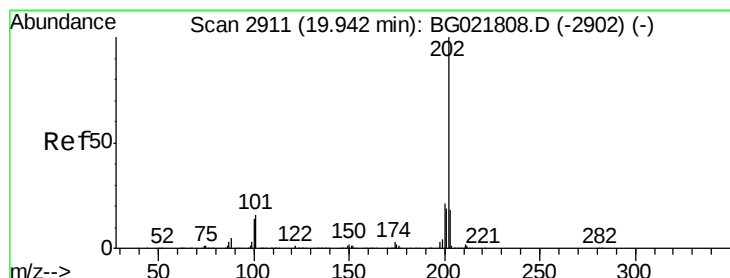
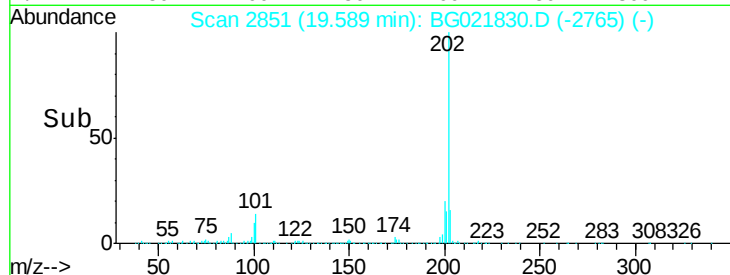
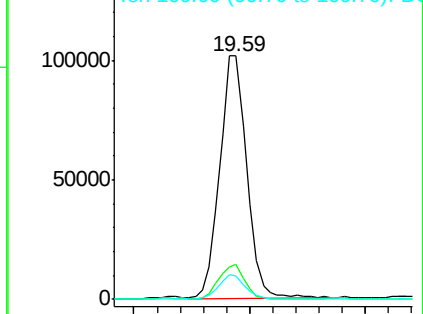
100 9.6 7.0 10.4



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: 6.54 ng/ul

RT: 19.59 min Scan# 2851

Delta R.T. -0.35 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

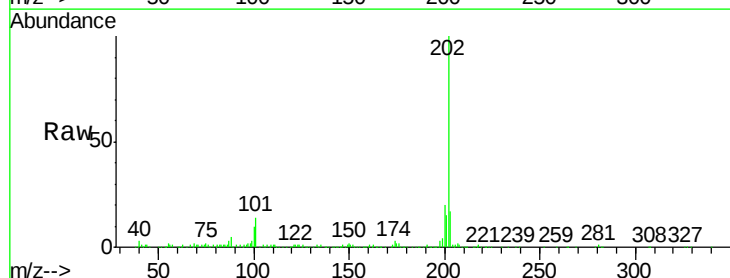
Tgt Ion:202 Resp: 164874

Ion Ratio Lower Upper

202 100

101 14.2 9.8 14.8

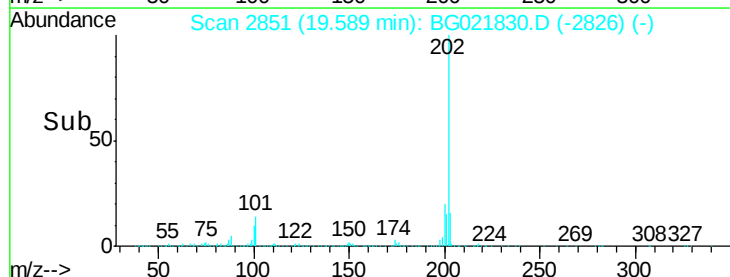
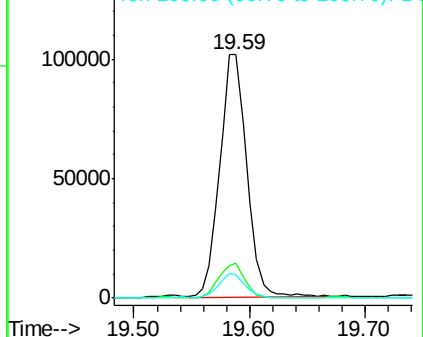
100 9.6 9.3 13.9

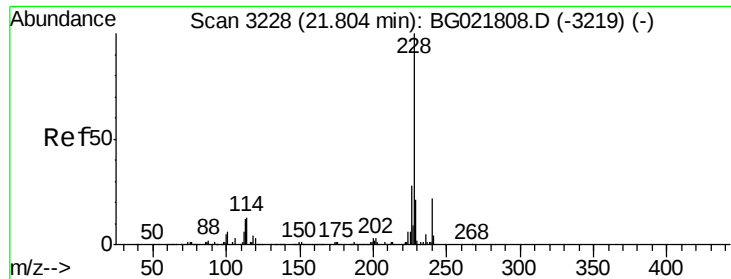


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

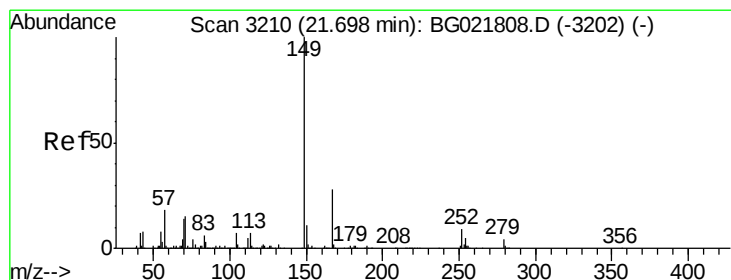
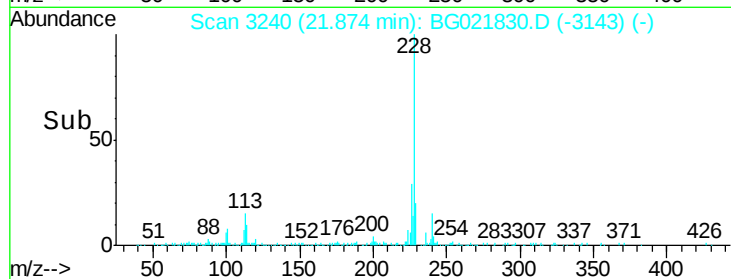
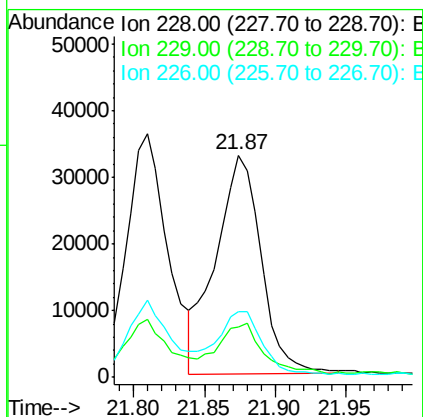
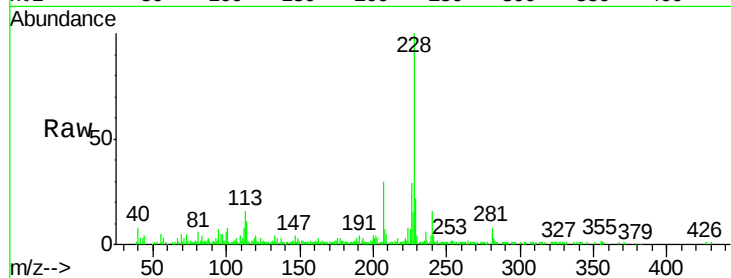




#81
Benzo(a)anthracene
Concen: 3.03 ng/ul
RT: 21.87 min Scan# 3240
Delta R.T. 0.07 min
Lab File: BG021830.D
Acq: 11 May 2016 00:02

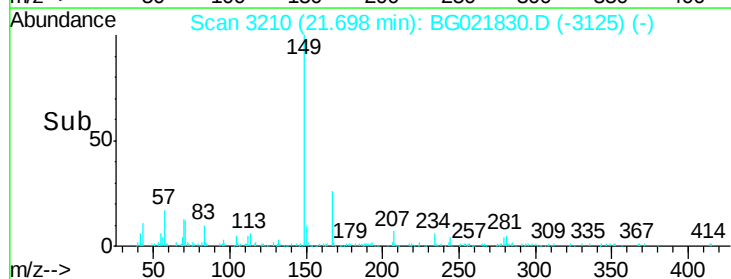
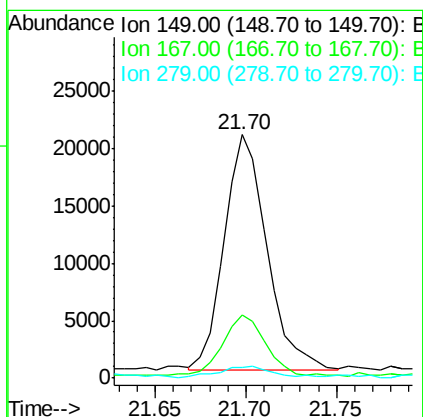
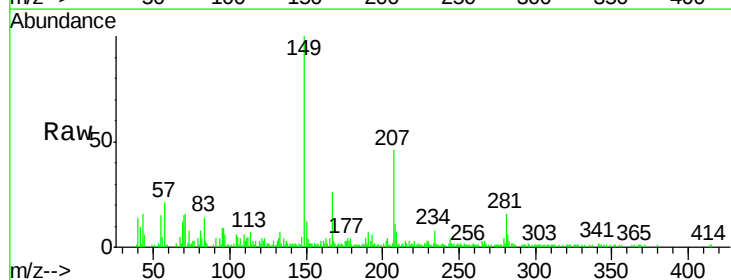
Instrument :
BNA_G
ClientSampleId :
D9WL1MSD

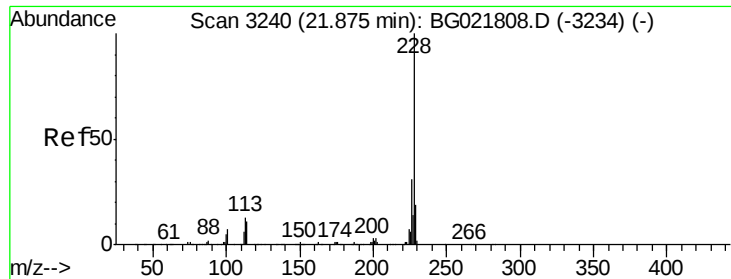
Tgt Ion:228 Resp: 73530
Ion Ratio Lower Upper
228 100
229 22.4 16.6 25.0
226 29.4 21.0 31.4



#82
Bis(2-ethylhexyl)phthalate
Concen: 3.71 ng/ul
RT: 21.70 min Scan# 3210
Delta R.T. -0.00 min
Lab File: BG021830.D
Acq: 11 May 2016 00:02

Tgt Ion:149 Resp: 33779
Ion Ratio Lower Upper
149 100
167 26.0 20.5 30.7
279 4.5 3.7 5.5





#83

Chrysene

Concen: 3.05 ng/ul

RT: 21.87 min Scan# 3240

Delta R.T. -0.00 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

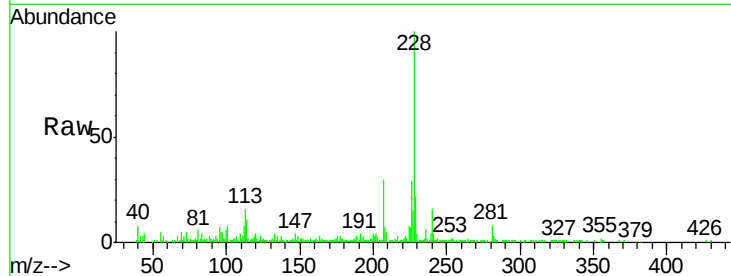
Tgt Ion:228 Resp: 73222

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

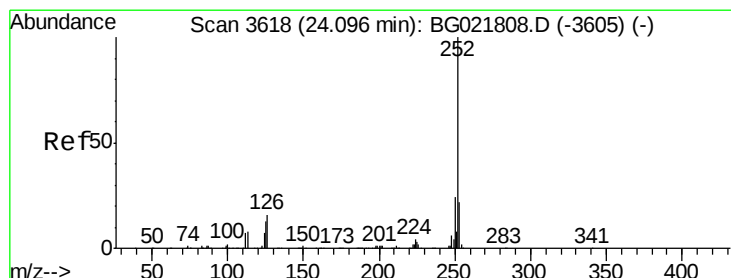
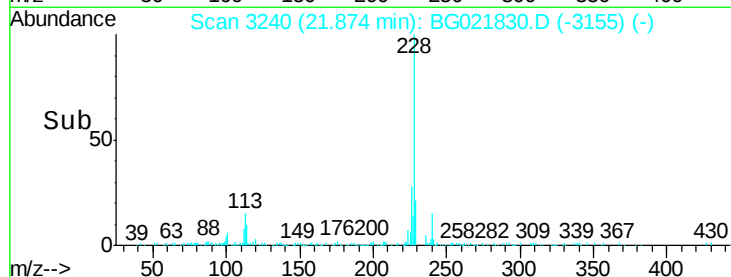
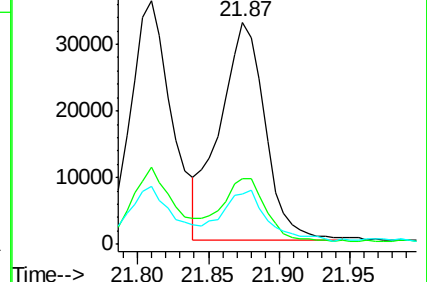
229 22.4 16.2 24.2



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



#86

Benzo(b)fluoranthene

Concen: 4.16 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. 0.01 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

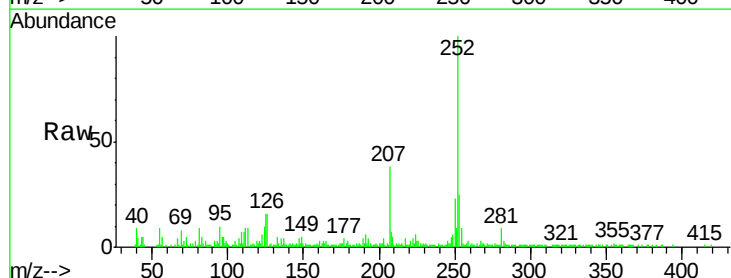
Tgt Ion:252 Resp: 100564

Ion Ratio Lower Upper

252 100

253 24.7 18.1 27.1

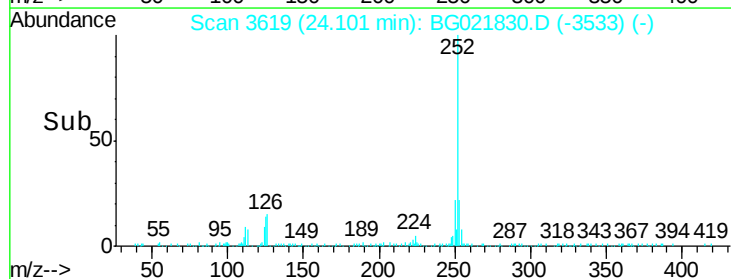
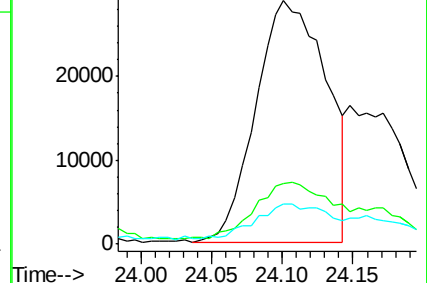
125 16.4 7.6 11.4#

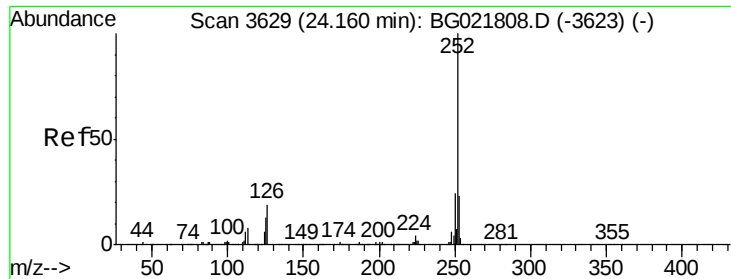


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#87

Benzo(k)fluoranthene

Concen: 3.89 ng/ul

RT: 24.10 min Scan# 3619

Delta R.T. -0.06 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

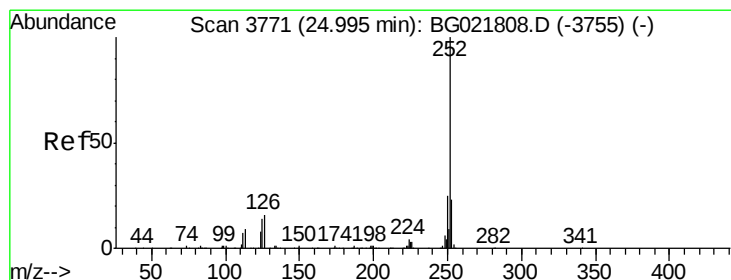
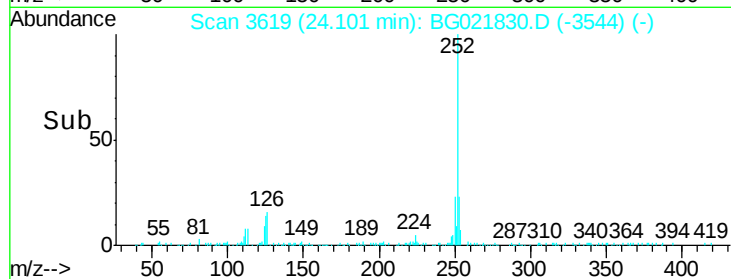
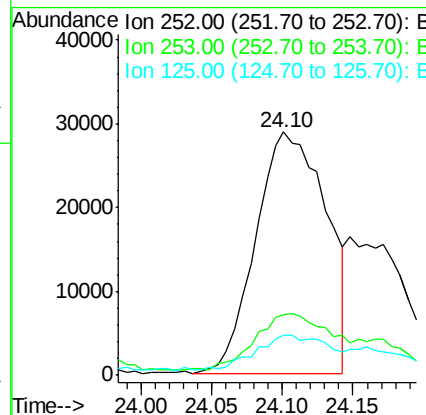
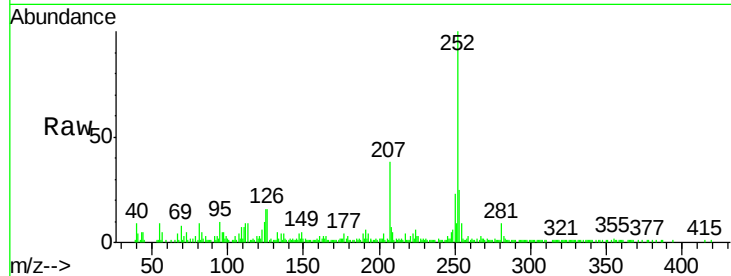
Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

Tgt Ion:	252	Resp:	100564
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.8	26.8
125	16.4	7.7	11.5#



#89

Benzo(a)pyrene

Concen: 3.07 ng/ul

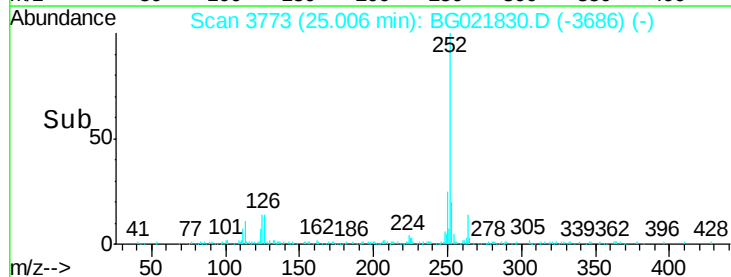
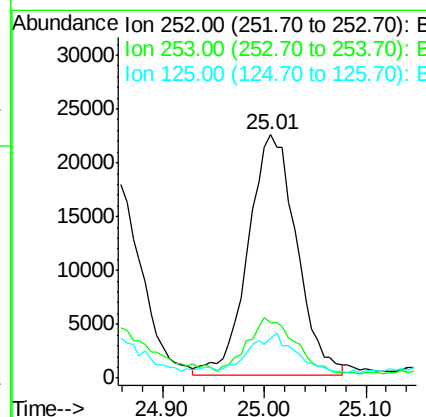
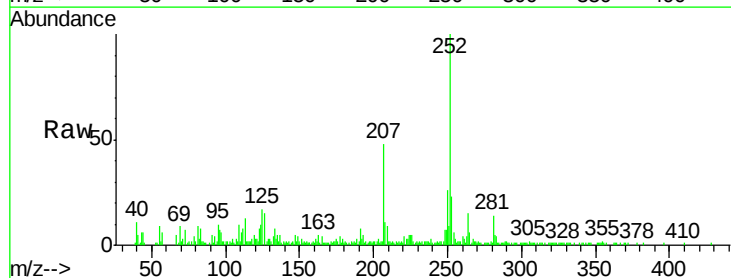
RT: 25.01 min Scan# 3773

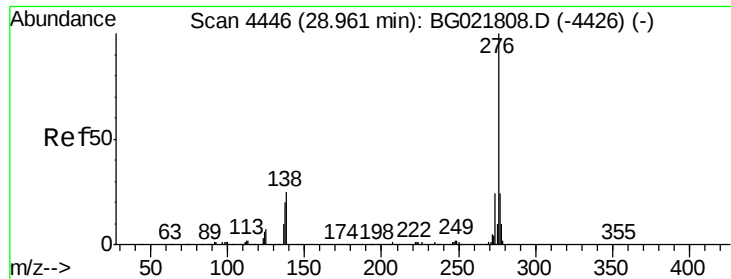
Delta R.T. 0.01 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Tgt Ion:	252	Resp:	73849
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	16.7	8.2	12.2#





#90

Indeno(1,2,3-cd)pyrene

Concen: 1.85 ng/ul

RT: 28.98 min Scan# 4450

Delta R.T. 0.02 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

Instrument :

BNA_G

ClientSampleId :

D9WL1MSD

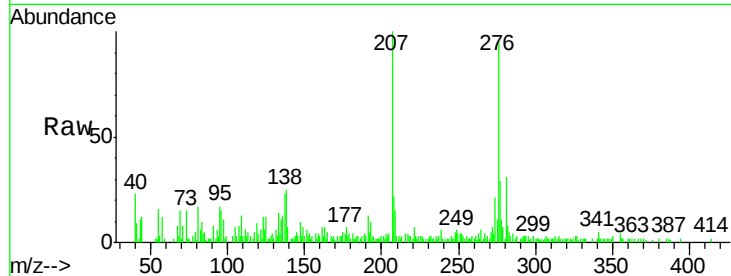
Tgt Ion:276 Resp: 52909

Ion Ratio Lower Upper

276 100

138 26.6 15.8 23.6#

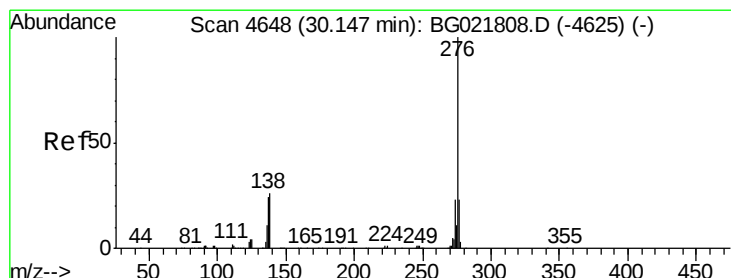
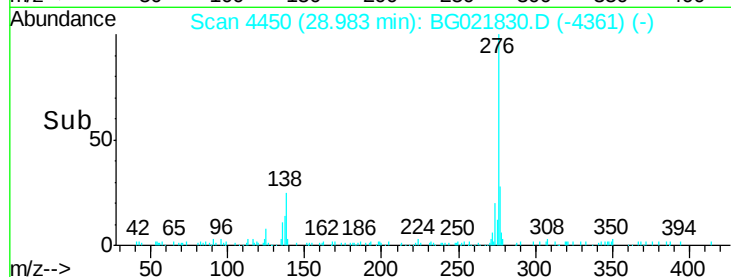
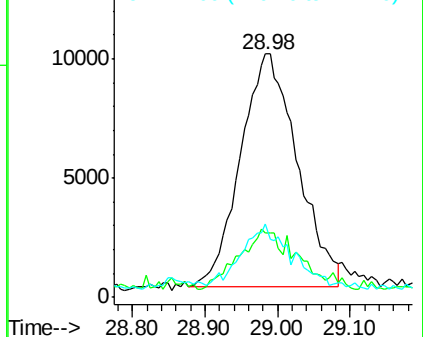
277 30.0 19.0 28.6#



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: 1.92 ng/ul

RT: 30.18 min Scan# 4654

Delta R.T. 0.03 min

Lab File: BG021830.D

Acq: 11 May 2016 00:02

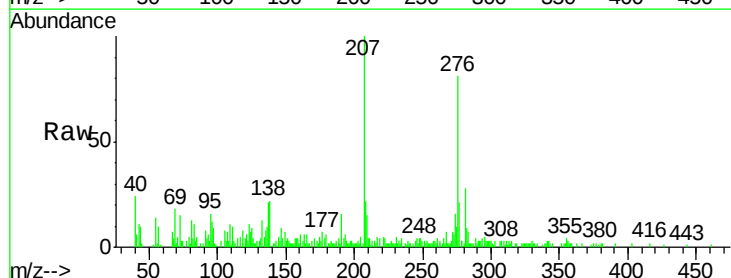
Tgt Ion:276 Resp: 45271

Ion Ratio Lower Upper

276 100

138 27.2 13.9 20.9#

277 25.6 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

