

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG030816\
 Data File : BG021385.D
 Acq On : 9 Mar 2016 3:05
 Operator : UM/SJ
 Sample : H1655-22
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MS-SS-H280

Quant Time: Mar 09 06:35:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG030316.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 09 02:03:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	11820	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	58066	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.74	164	34261	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	77217	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	84872	20.00	ng/ul	0.00
86) Perylene-d12	24.98	264	77924	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	1251	4.41	ng/uL	0.00
5) Phenol-d5	7.27	99	27919	22.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.44	67	19244	23.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	19649	22.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	21236	21.72	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	10869	23.40	ng/ul	0.00
22) 2-Nitrophenol-d4	10.01	143	11139	22.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	19051	21.55	ng/ul	0.00
29) 4-Chloroaniline-d4	11.06	131	24822	22.49	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	62096	21.92	ng/ul	0.00
47) Acenaphthylene-d8	14.43	160	82161	22.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	9148	16.40	ng/ul	0.00
58) Fluorene-d10	15.72	176	56134	22.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	8474	15.64	ng/ul	0.00
71) Anthracene-d10	17.57	188	86932	22.84	ng/ul	0.00
79) Pyrene-d10	19.84	212	94005	22.16	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	77496	18.69	ng/ul	0.00

Target Compounds

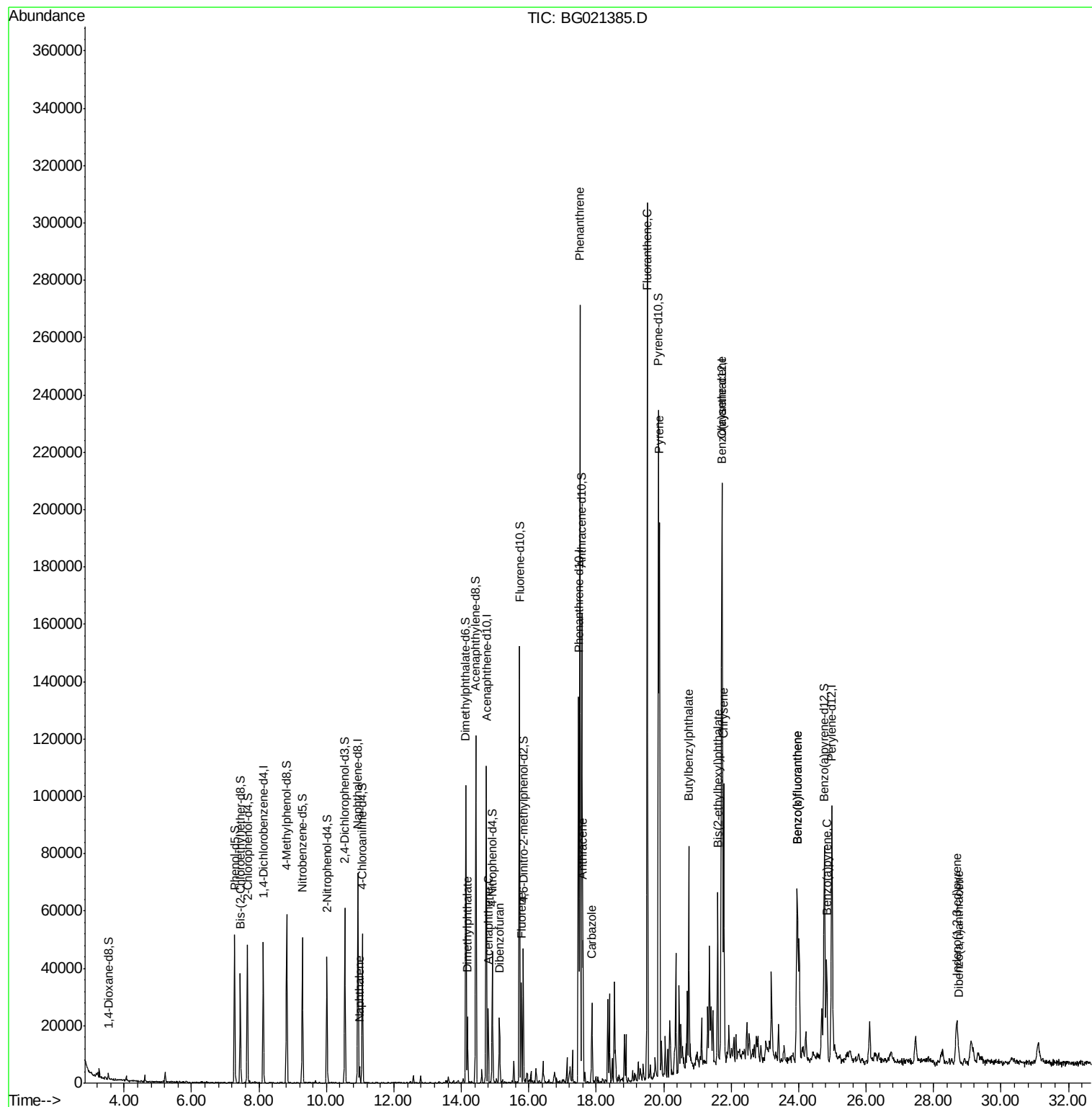
						Qvalue
28) Naphthalene	10.98	128	5168	1.60	ng/ul#	97
45) Dimethylphthalate	14.18	163	14092	4.62	ng/ul	97
50) Acenaphthene	14.80	153	10864	4.29	ng/ul	96
54) Dibenzofuran	15.13	168	9533	2.76	ng/ul	95
59) Fluorene	15.78	166	13983	4.63	ng/ul	96
70) Phenanthrene	17.51	178	152137	33.17	ng/ul	99
72) Anthracene	17.60	178	33299	7.15	ng/ul	98
75) Carbazole	17.87	167	16605	4.08	ng/ul	97
77) Fluoranthene	19.51	202	173142	32.12	ng/ul	98
80) Pyrene	19.87	202	121788	21.63	ng/ul	99
81) Butylbenzylphthalate	20.74	149	19211	7.53	ng/ul	92
83) Benzo(a)anthracene	21.72	228	70190	12.88	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.60	149	19705	5.20	ng/ul	100
85) Chrysene	21.78	228	63532	12.50	ng/ul	97
88) Benzo(b)fluoranthene	23.95	252	72967	13.76	ng/ul	97
89) Benzo(k)fluoranthene	23.95	252	72967	14.18	ng/ul	97
91) Benzo(a)pyrene	24.84	252	35588	6.93	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.68	276	13140	2.35	ng/ul	97
93) Dibenzo(a,h)anthracene	28.74	278	8329	1.73	ng/ul#	91

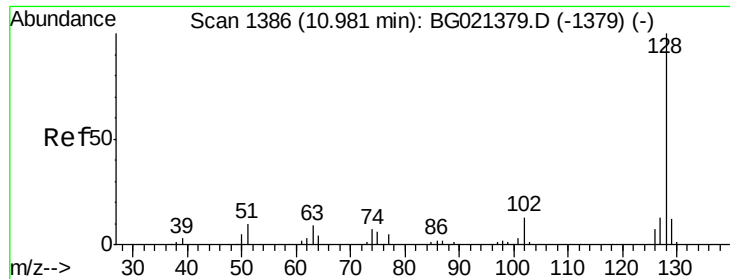
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.60 ng/ul

RT: 10.98 min Scan# 1386

Delta R.T. -0.00 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

Instrument :

BNA_G

ClientSampleId :

MS-SS-H280

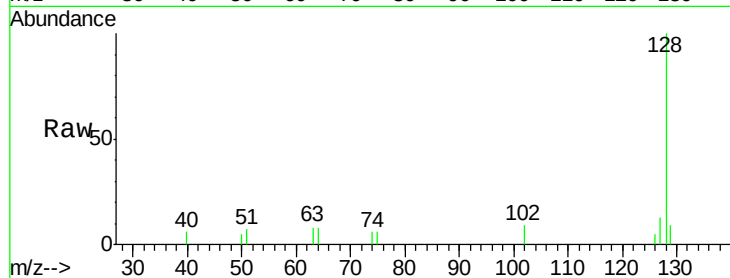
Tgt Ion:128 Resp: 5168

Ion Ratio Lower Upper

128 100

129 8.6 8.7 13.1#

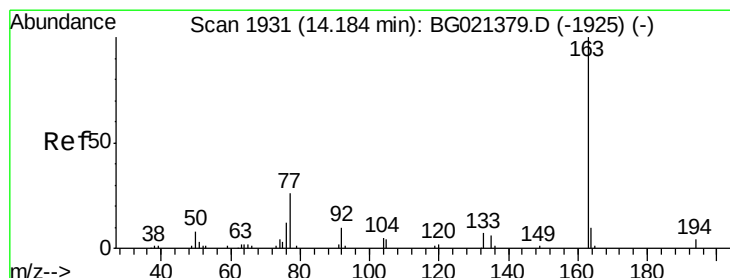
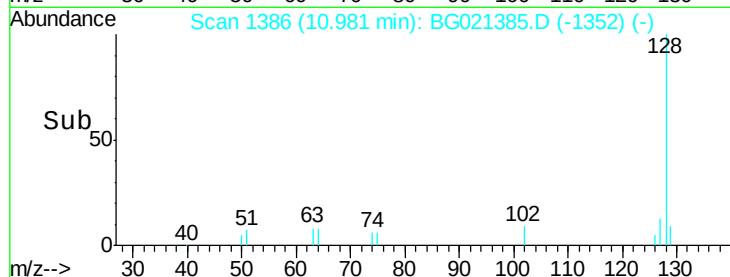
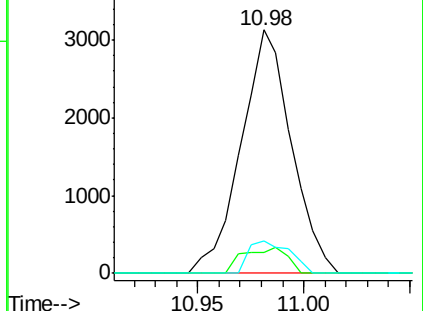
127 13.4 10.6 16.0



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



#45

Dimethylphthalate

Concen: 4.62 ng/ul

RT: 14.18 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

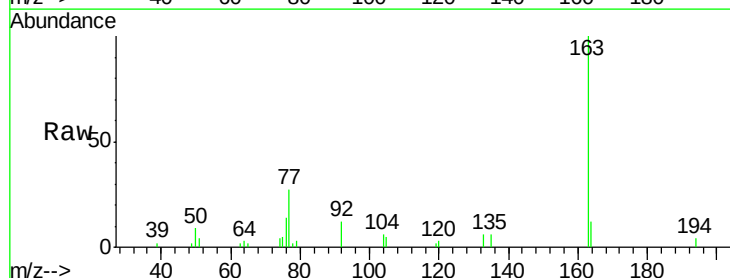
Tgt Ion:163 Resp: 14092

Ion Ratio Lower Upper

163 100

194 4.0 2.8 4.2

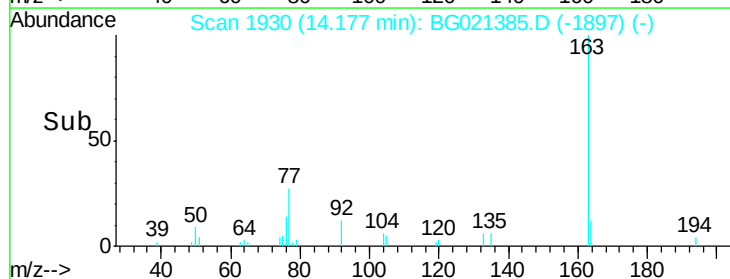
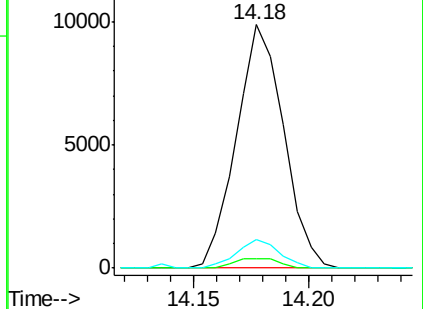
164 11.5 8.2 12.2

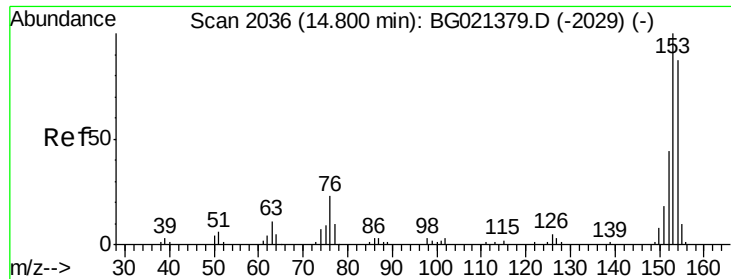


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

Acenaphthene

Concen: 4.29 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

Instrument :

BNA_G

ClientSampleId :

MS-SS-H280

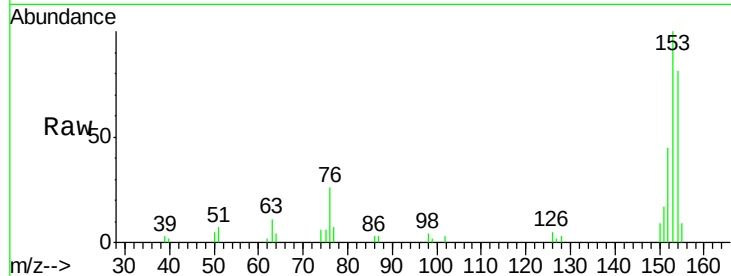
Tgt Ion:153 Resp: 10864

Ion Ratio Lower Upper

153 100

152 45.4 39.0 58.6

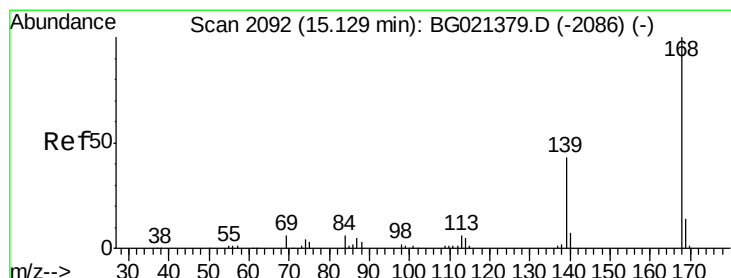
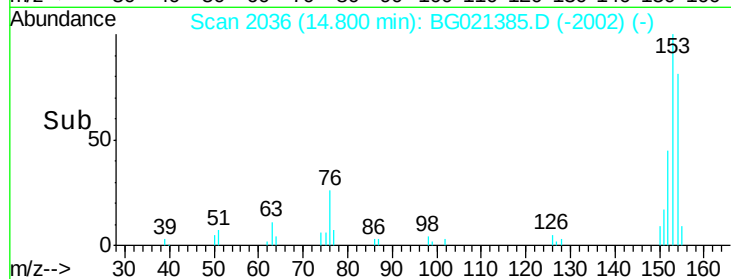
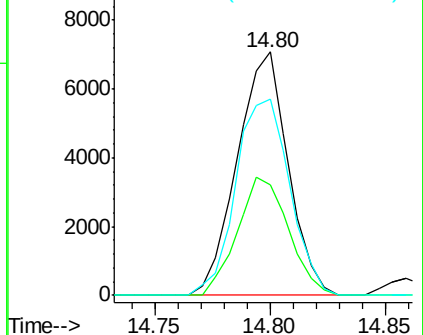
154 80.7 66.8 100.2



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



#54

Dibenzofuran

Concen: 2.76 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. -0.00 min

Lab File: BG021385.D

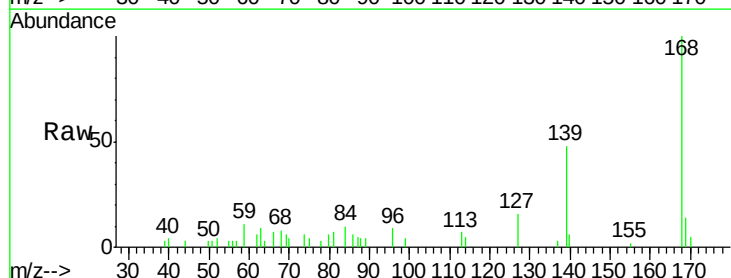
Acq: 9 Mar 2016 3:05

Tgt Ion:168 Resp: 9533

Ion Ratio Lower Upper

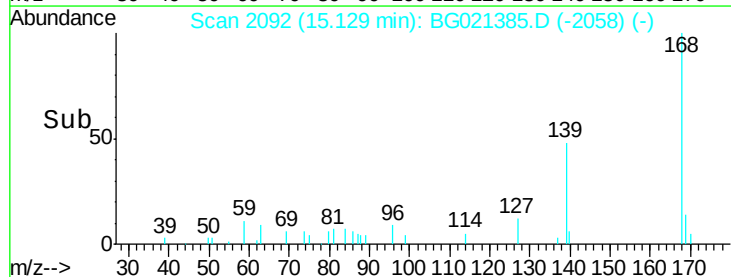
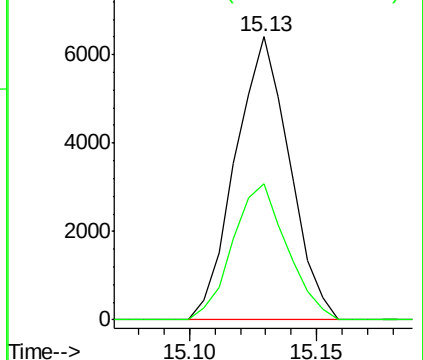
168 100

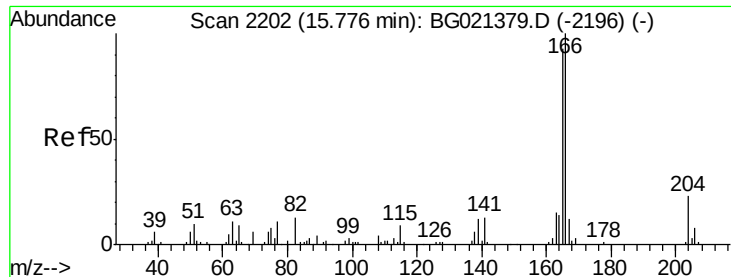
139 48.1 35.7 53.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

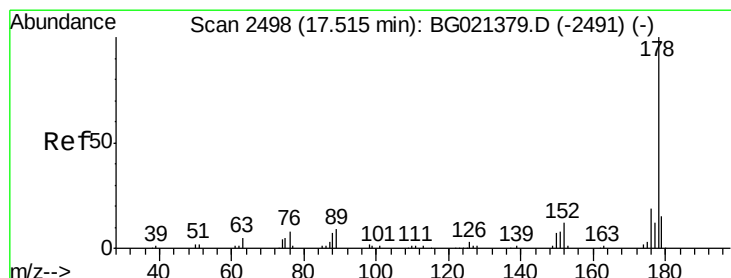
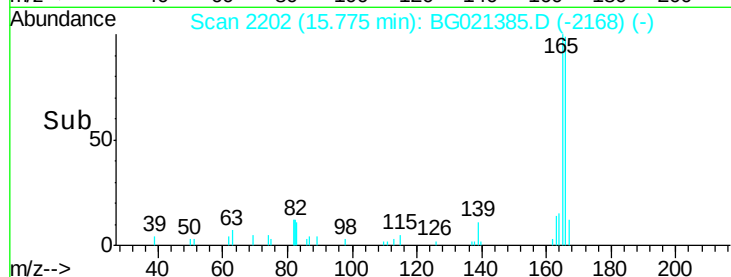
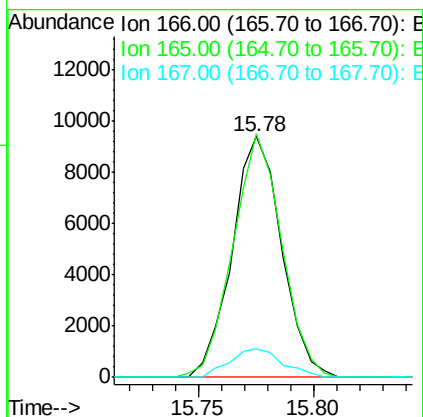
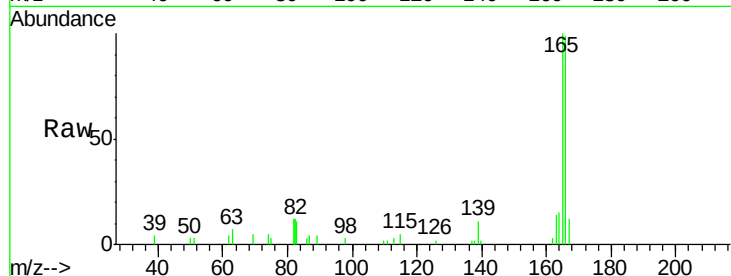




#59
Fluorene
 Concen: 4.63 ng/ul
 RT: 15.78 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

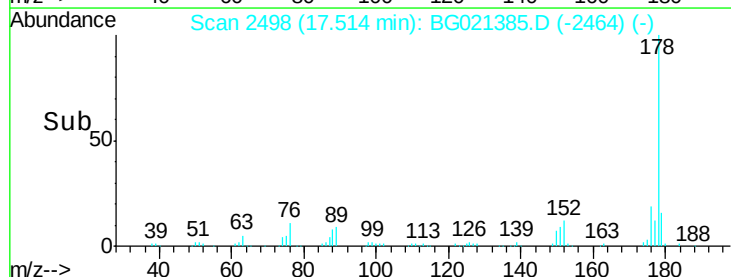
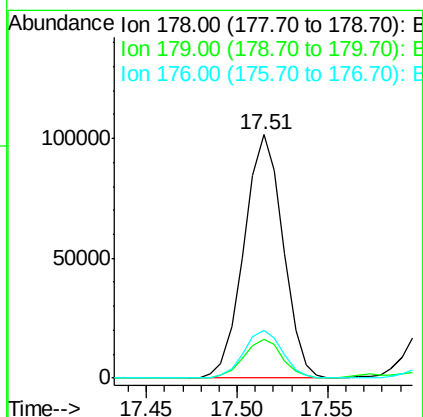
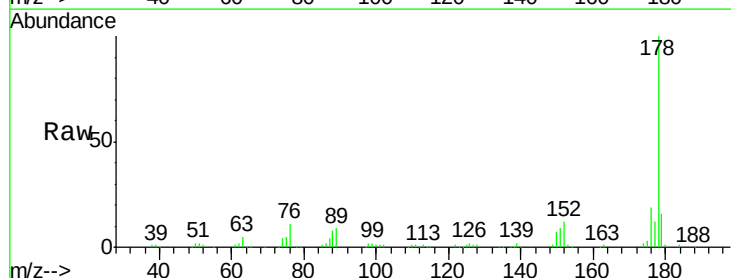
Instrument :
 BNA_G
 ClientSampleId :
 MS-SS-H280

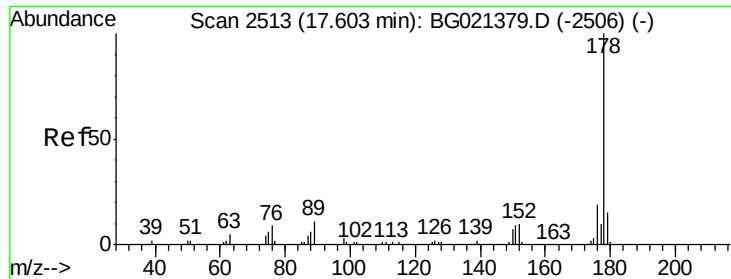
Tgt Ion:166 Resp: 13983
 Ion Ratio Lower Upper
 166 100
 165 101.2 83.8 125.8
 167 11.8 11.5 17.3



#70
Phenanthrene
 Concen: 33.17 ng/ul
 RT: 17.51 min Scan# 2498
 Delta R.T. -0.00 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

Tgt Ion:178 Resp: 152137
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 19.5 15.1 22.7

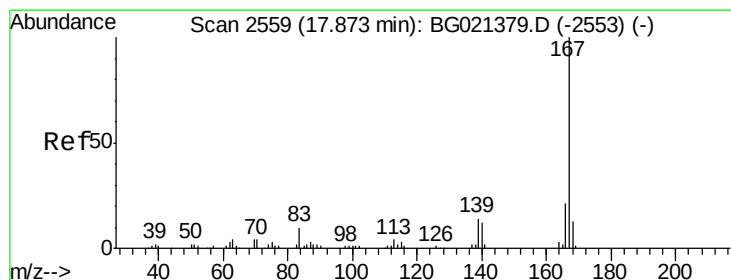
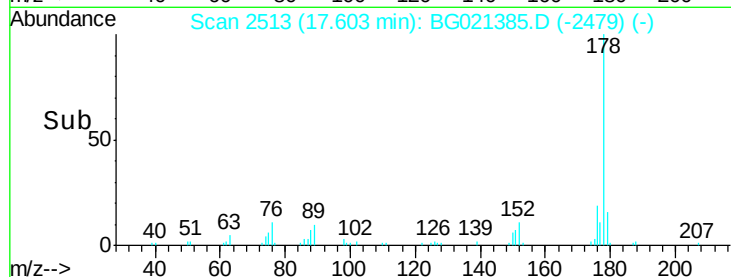
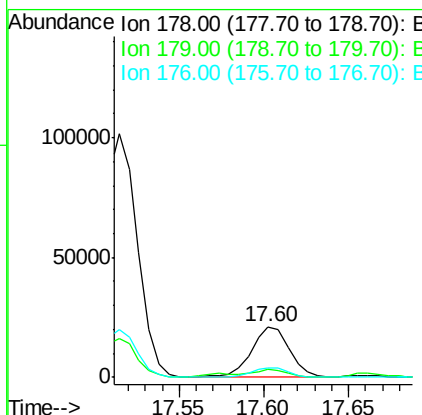
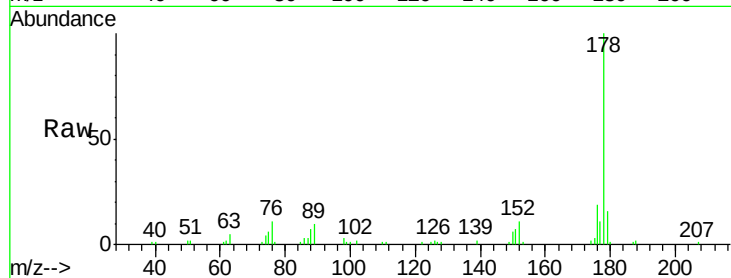




#72
 Anthracene
 Concen: 7.15 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. -0.00 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

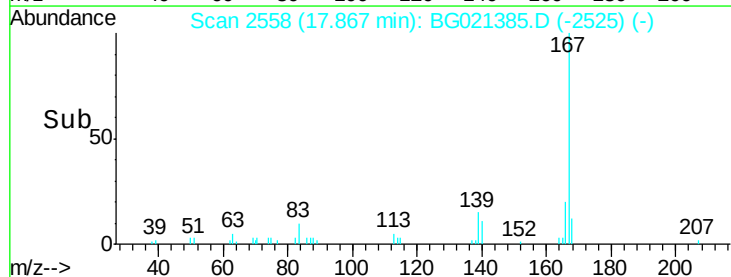
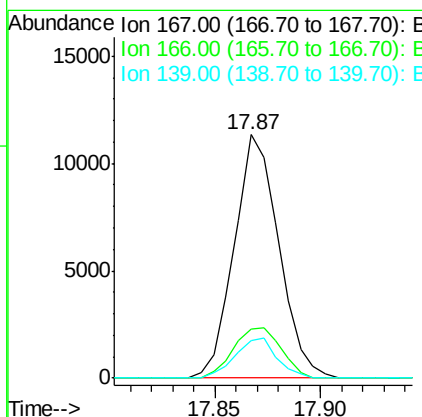
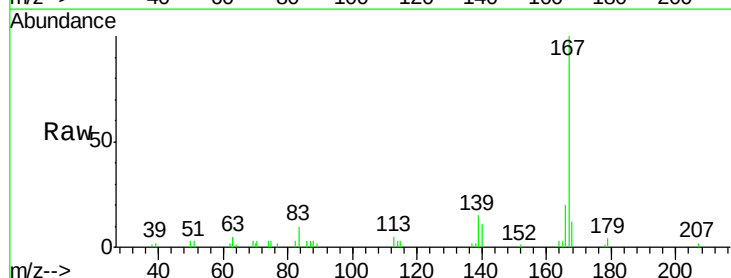
Instrument :
 BNA_G
 ClientSampleId :
 MS-SS-H280

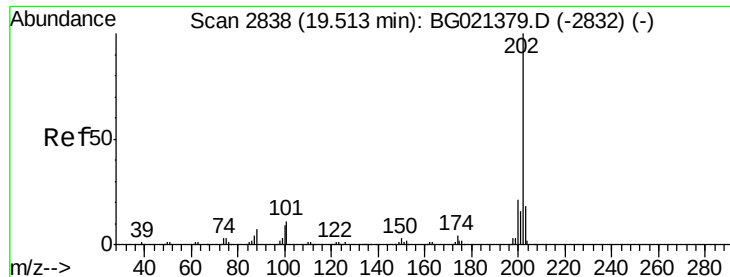
Tgt Ion:178 Resp: 33299
 Ion Ratio Lower Upper
 178 100
 179 16.4 11.8 17.8
 176 19.5 15.2 22.8



#75
 Carbazole
 Concen: 4.08 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

Tgt Ion:167 Resp: 16605
 Ion Ratio Lower Upper
 167 100
 166 20.1 17.4 26.0
 139 15.3 11.8 17.6





#77

Fluoranthene

Concen: 32.12 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

Instrument :

BNA_G

ClientSampleId :

MS-SS-H280

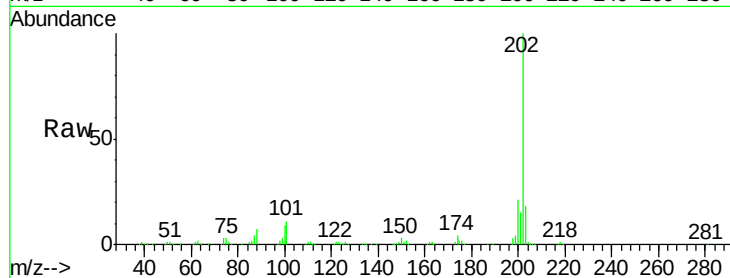
Tgt Ion:202 Resp: 173142

Ion Ratio Lower Upper

202 100

101 11.4 9.9 14.9

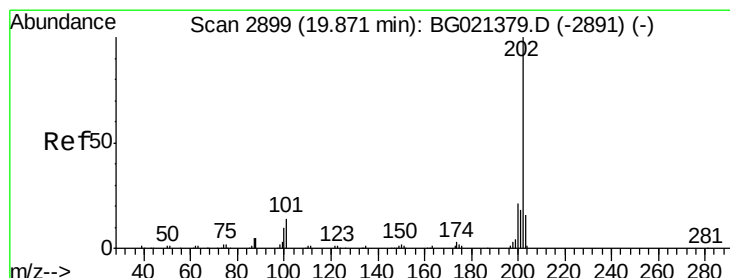
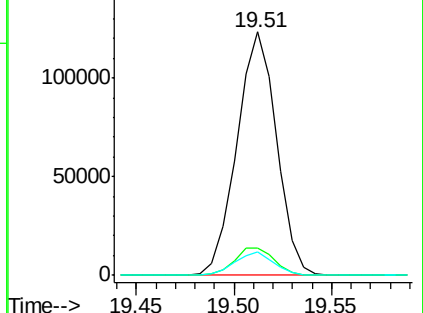
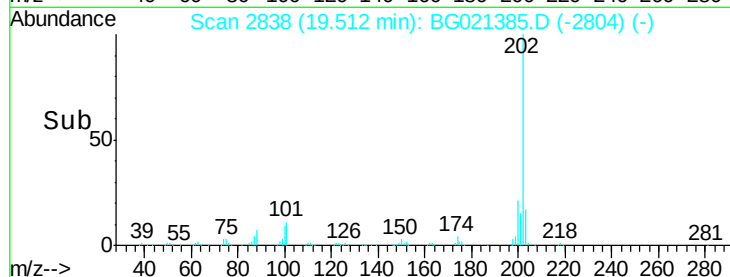
100 9.4 7.4 11.0



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): B



#80

Pyrene

Concen: 21.63 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. -0.00 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

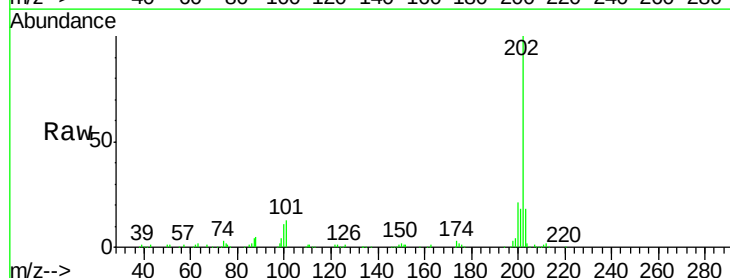
Tgt Ion:202 Resp: 121788

Ion Ratio Lower Upper

202 100

101 13.4 11.0 16.4

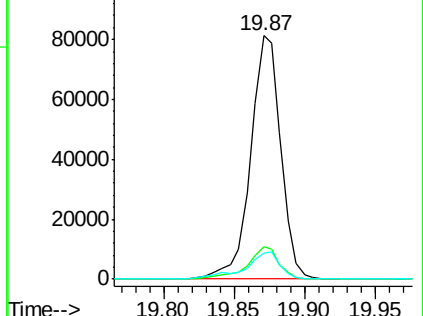
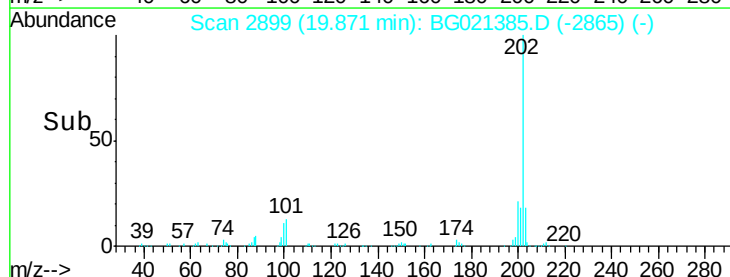
100 10.7 8.1 12.1

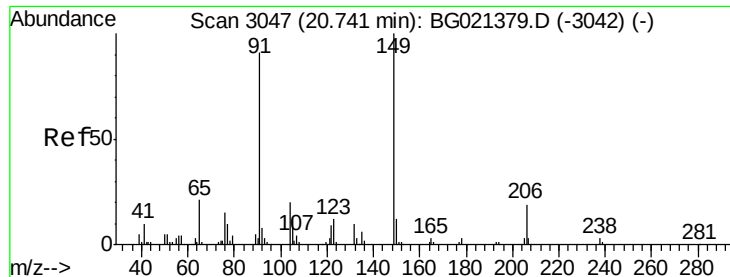


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

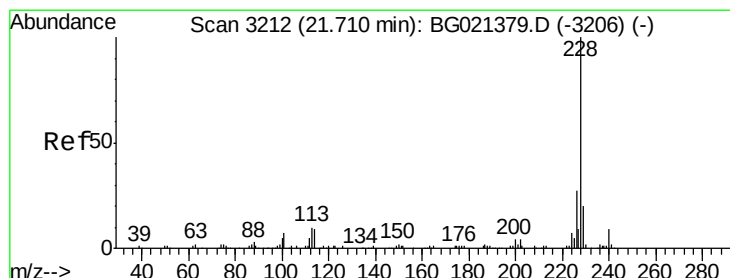
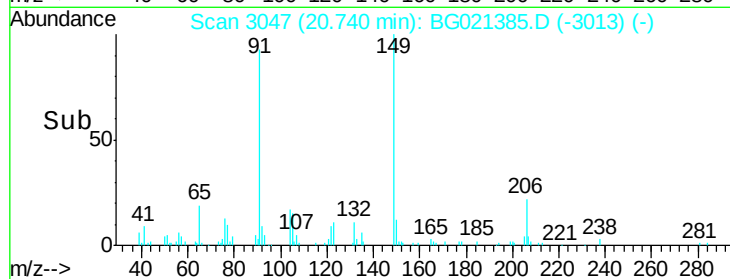
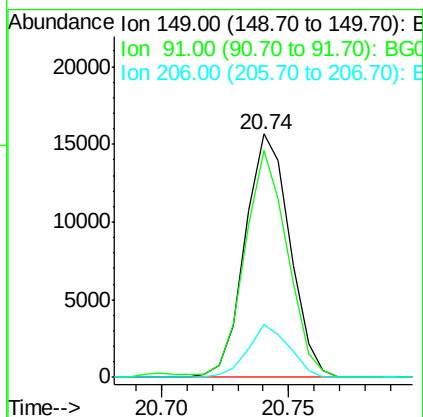
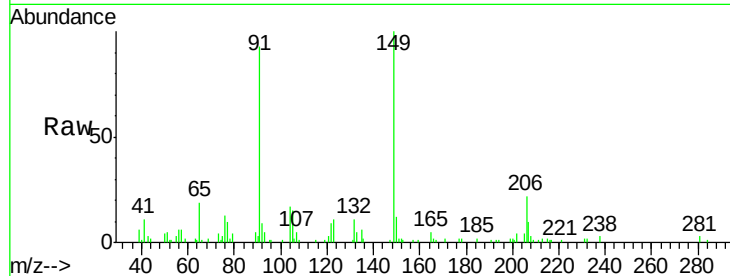




#81
Butylbenzylphthalate
Concen: 7.53 ng/ul
RT: 20.74 min Scan# 3047
Delta R.T. -0.00 min
Lab File: BG021385.D
Acq: 9 Mar 2016 3:05

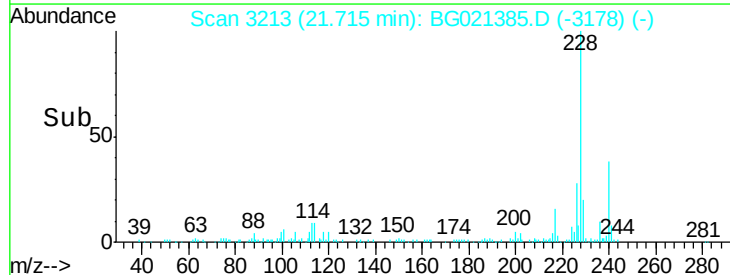
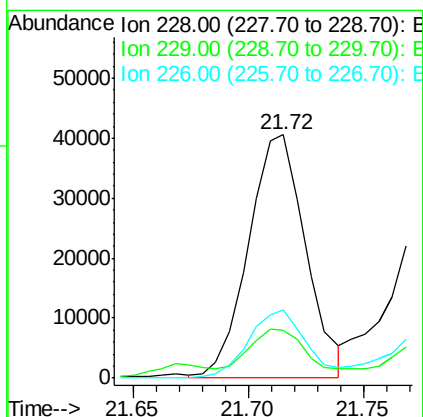
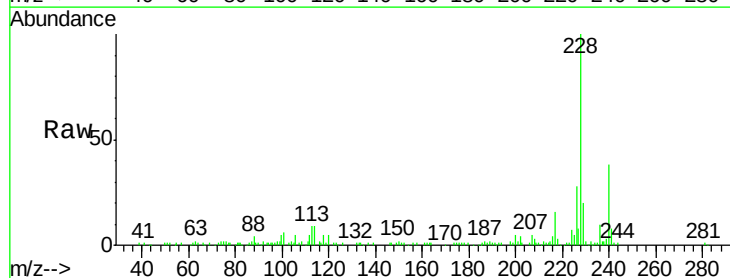
Instrument :
BNA_G
ClientSampleId :
MS-SS-H280

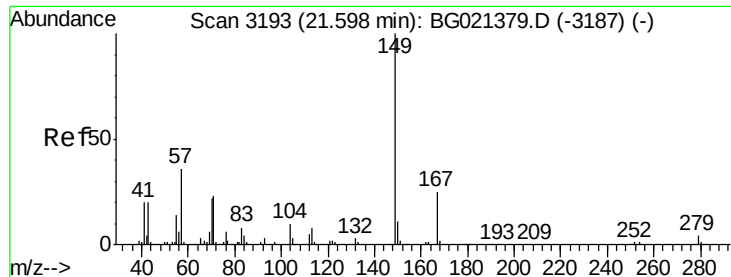
Tgt Ion:149 Resp: 19211
Ion Ratio Lower Upper
149 100
91 93.0 67.5 101.3
206 21.6 18.0 27.0



#83
Benzo(a)anthracene
Concen: 12.88 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. 0.01 min
Lab File: BG021385.D
Acq: 9 Mar 2016 3:05

Tgt Ion:228 Resp: 70190
Ion Ratio Lower Upper
228 100
229 19.7 15.7 23.5
226 27.8 21.1 31.7

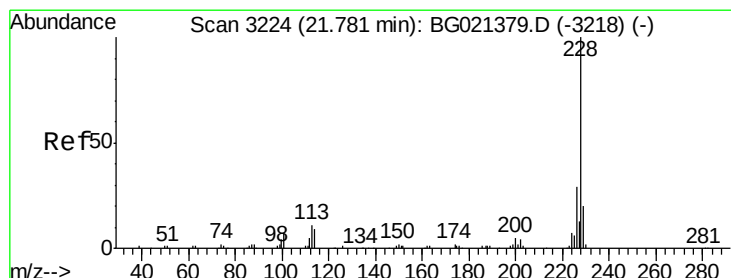
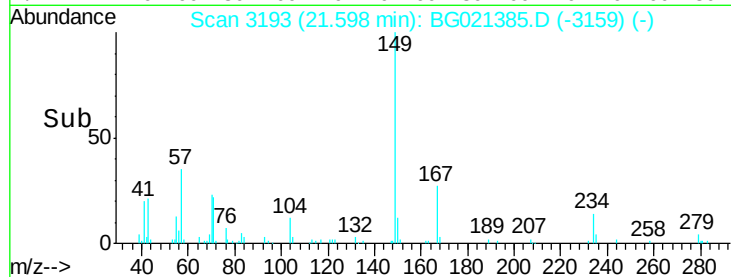
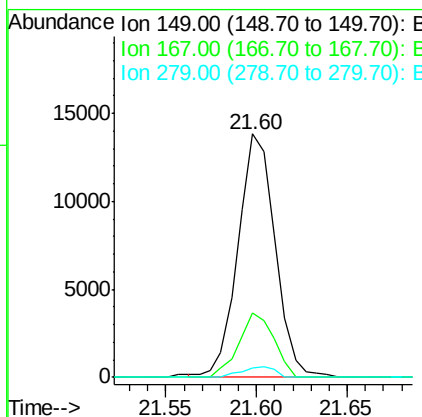
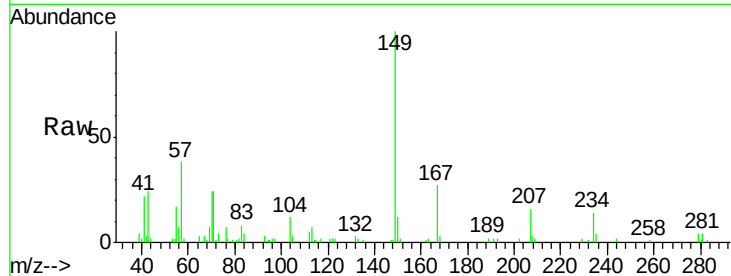




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.20 ng/ul
 RT: 21.60 min Scan# 3193
 Delta R.T. -0.00 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

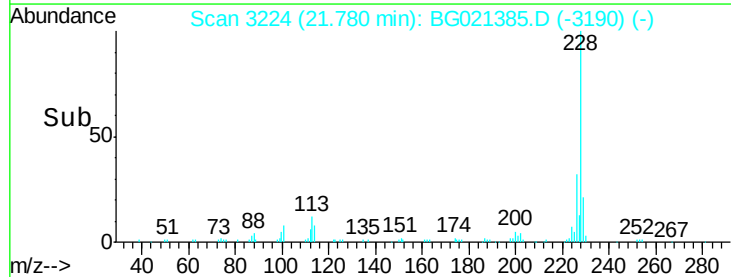
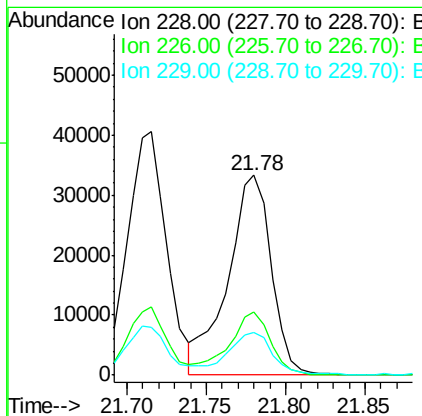
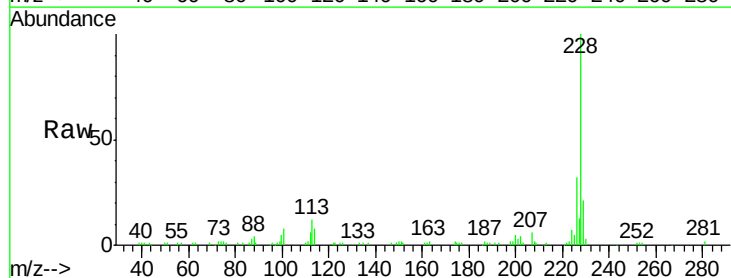
Instrument :
 BNA_G
 ClientSampleId :
 MS-SS-H280

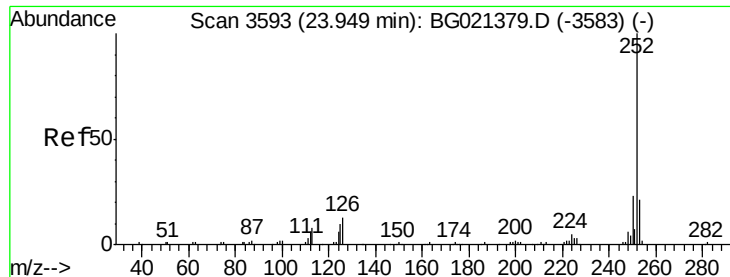
Tgt Ion:	149	Resp:	19705
Ion Ratio		Lower	Upper
149	100		
167	26.7	21.2	31.8
279	3.7	3.4	5.0



#85
 Chrysene
 Concen: 12.50 ng/ul
 RT: 21.78 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: BG021385.D
 Acq: 9 Mar 2016 3:05

Tgt Ion:	228	Resp:	63532
Ion Ratio		Lower	Upper
228	100		
226	31.8	24.5	36.7
229	21.4	15.8	23.8





#88

Benzo(b)fluoranthene

Concen: 13.76 ng/ul

RT: 23.95 min Scan# 3593

Delta R.T. -0.00 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

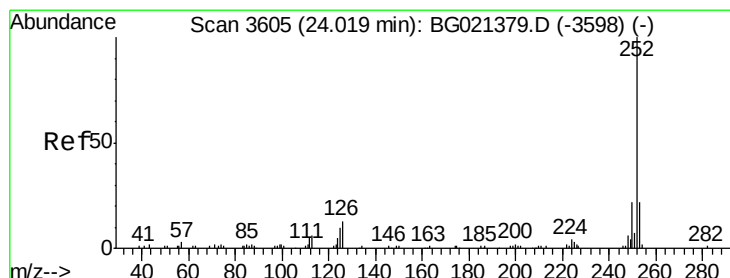
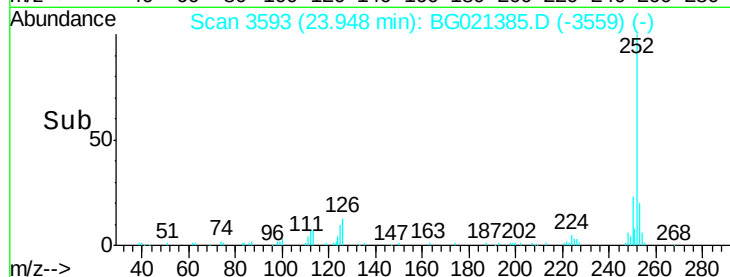
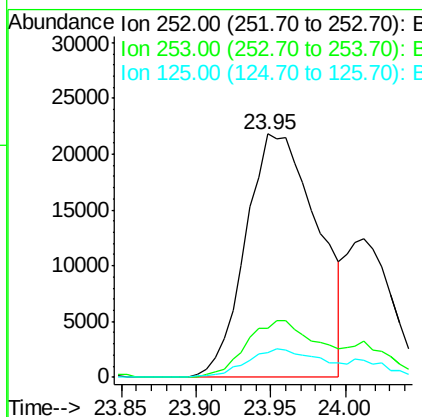
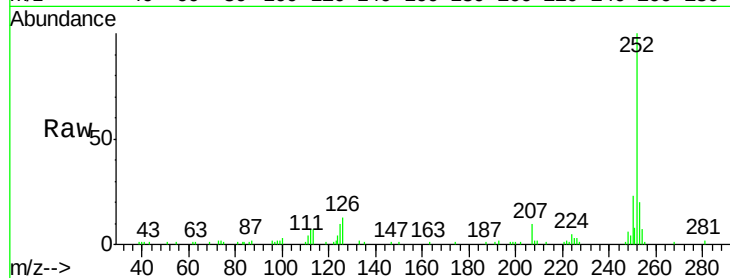
Instrument :

BNA_G

ClientSampleId :

MS-SS-H280

Tgt Ion:	252	Resp:	72967
Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	10.4	8.0	12.0



#89

Benzo(k)fluoranthene

Concen: 14.18 ng/ul

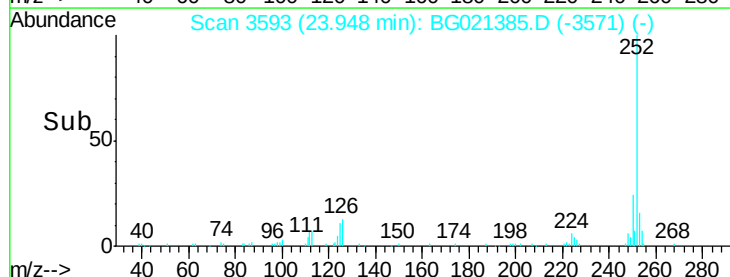
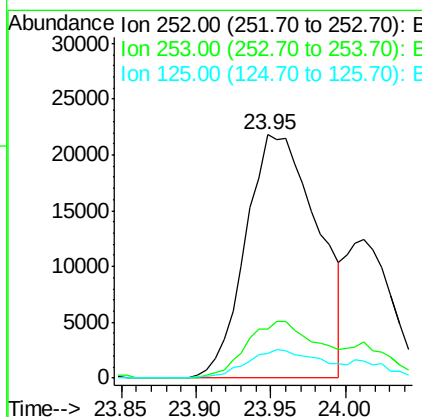
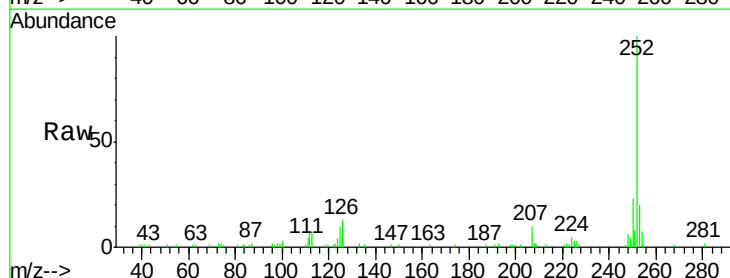
RT: 23.95 min Scan# 3593

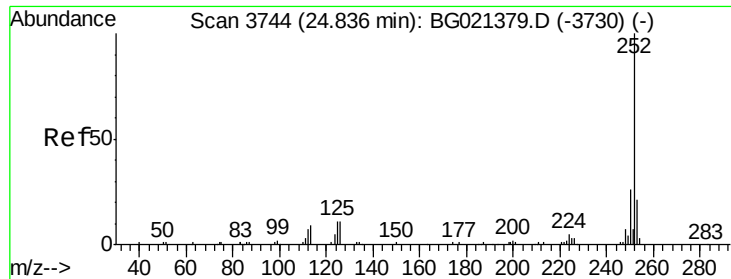
Delta R.T. -0.07 min

Lab File: BG021385.D

Acq: 9 Mar 2016 3:05

Tgt Ion:	252	Resp:	72967
Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	10.4	8.1	12.1

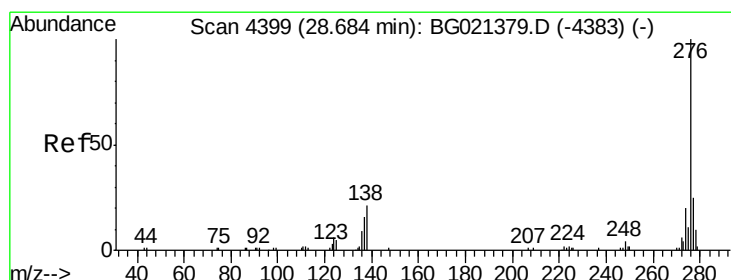
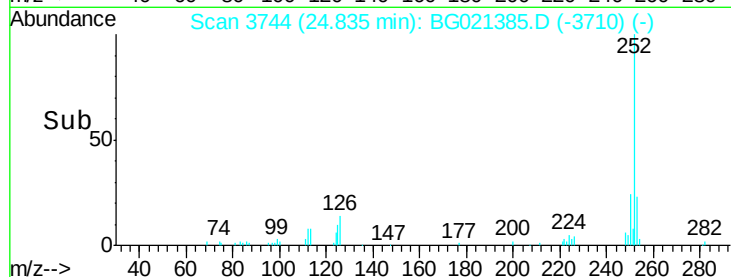
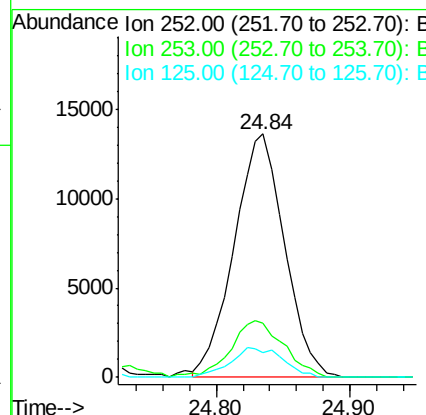
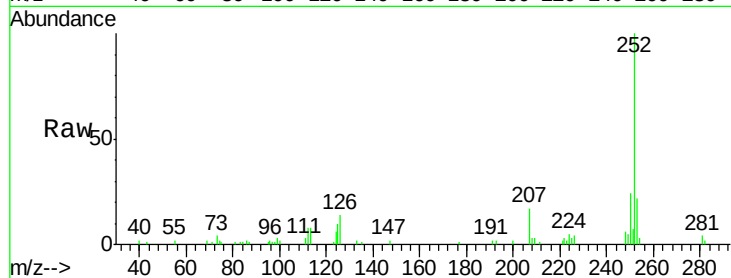




#91
Benzo(a)pyrene
Concen: 6.93 ng/ul
RT: 24.84 min Scan# 3744
Delta R.T. -0.00 min
Lab File: BG021385.D
Acq: 9 Mar 2016 3:05

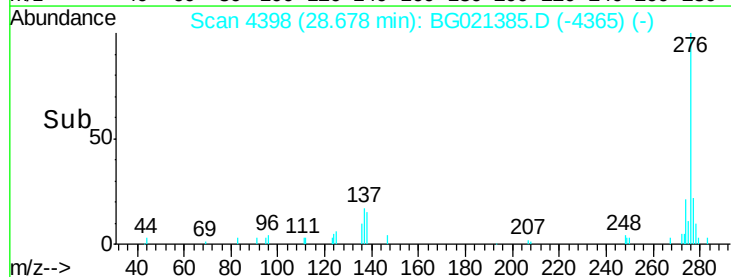
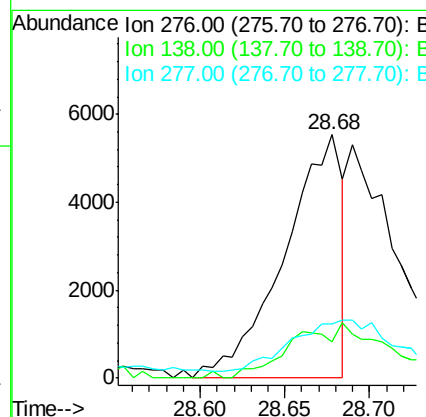
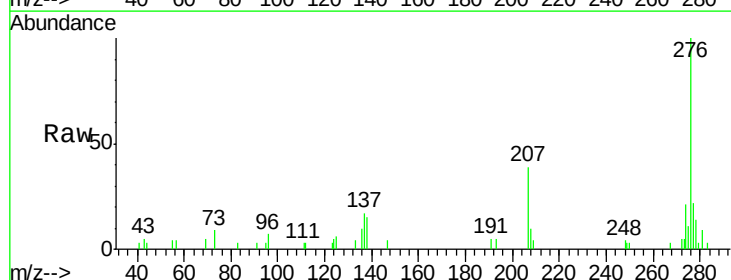
Instrument :
BNA_G
ClientSampleId :
MS-SS-H280

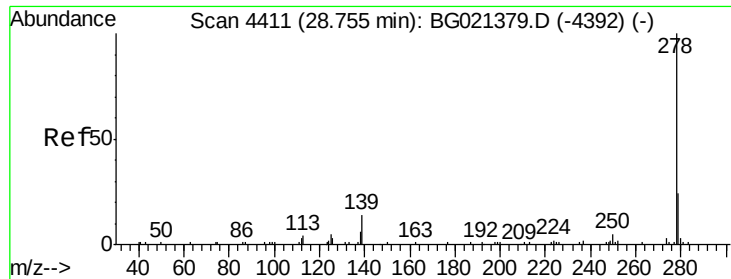
Tgt Ion: 252 Resp: 35588
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 10.3 8.2 12.4



#92
Indeno(1,2,3-cd)pyrene
Concen: 2.35 ng/ul
RT: 28.68 min Scan# 4398
Delta R.T. -0.01 min
Lab File: BG021385.D
Acq: 9 Mar 2016 3:05

Tgt Ion: 276 Resp: 13140
Ion Ratio Lower Upper
276 100
138 15.1 14.4 21.6
277 22.4 18.0 27.0





#93

Dibenzo(a,h)anthracene

Concen: 1.73 ng/ul

RT: 28.74 min Scan# 4408

Delta R.T. -0.02 min

Lab File: BG021385.D

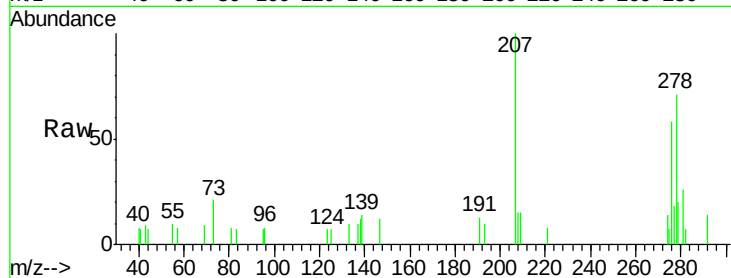
Acq: 9 Mar 2016 3:05

Instrument :

BNA_G

ClientSampleId :

MS-SS-H280



Tgt Ion:	278	Resp:	8329
Ion	Ratio	Lower	Upper
278	100		
139	20.3	12.2	18.4#
279	27.9	19.2	28.8

