

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122815\
 Data File : BG020589.D
 Acq On : 29 Dec 2015 8:14
 Operator : UM/SJ
 Sample : G4802-16DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 30 01:12:24 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 30 01:08:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	14398	20.00	ng/ul	0.00
18) Naphthalene-d8	10.88	136	65673	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	52107	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.45	188	137903	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	171355	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	166505	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.23	99	3292	2.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.39	67	2127	3.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.60	132	2594	2.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	2831	2.91	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	1396	2.71	ng/ul	0.01
22) 2-Nitrophenol-d4	9.97	143	1481	2.53	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.51	165	3093	2.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	1860	1.44	ng/ul	0.00
44) Dimethylphthalate-d6	14.10	166	14268	3.32	ng/ul	0.00
47) Acenaphthylene-d8	14.40	160	16465	3.31	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	590	0.82	ng/ul	0.02
58) Fluorene-d10	15.70	176	13836	3.56	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	748	0.82	ng/ul	0.00
71) Anthracene-d10	17.55	188	23676	3.67	ng/ul	0.00
79) Pyrene-d10	19.83	212	27818	3.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	30349	3.61	ng/ul	0.00

Target Compounds

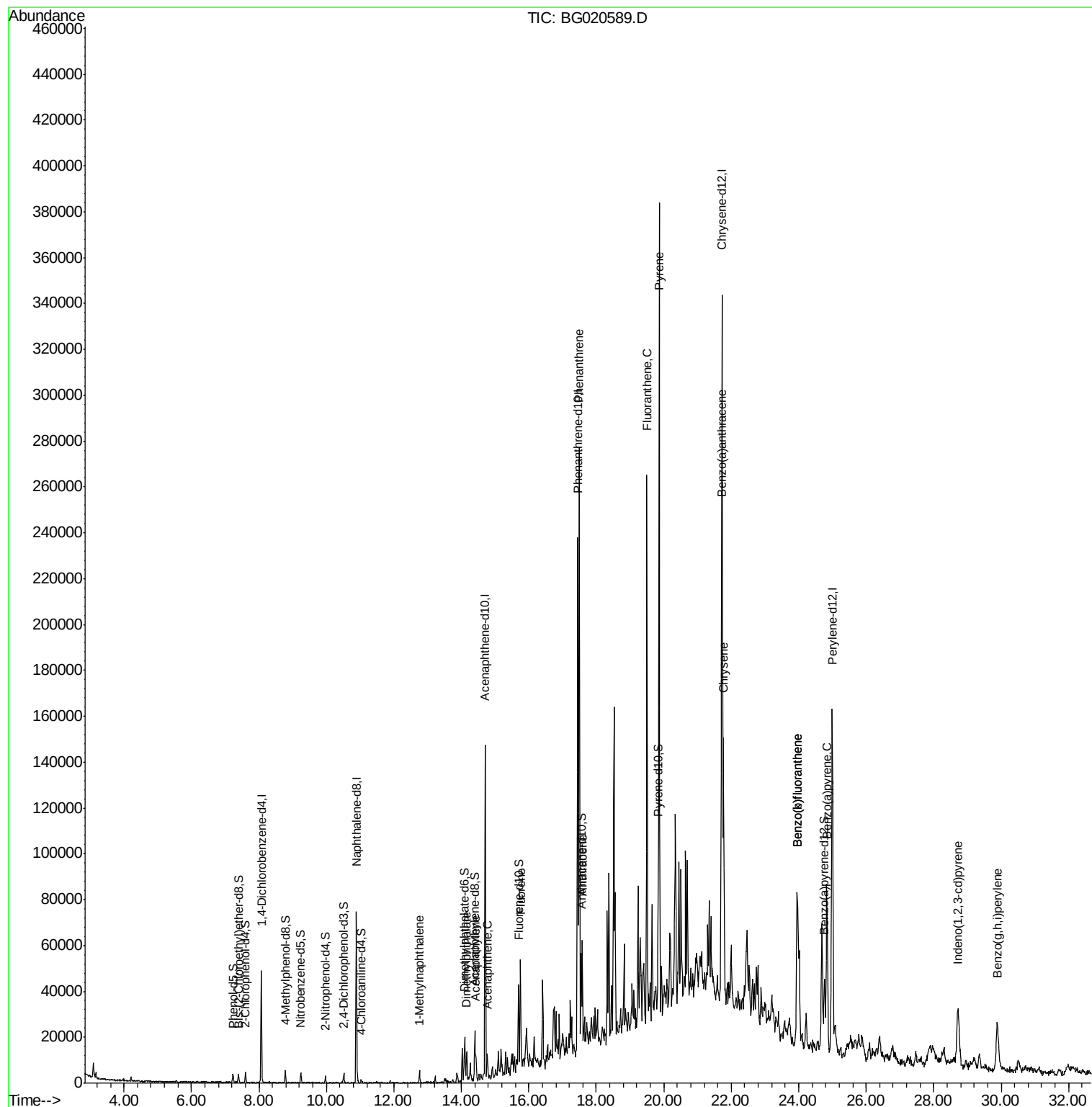
						Ovalue
35) 1-Methylanthracene	12.76	142	3307	1.35	ng/ul#	92
45) Dimethylphthalate	14.15	163	4673	1.07	ng/ul#	95
48) Acenaphthylene	14.43	152	10359	1.98	ng/ul#	94
50) Acenaphthene	14.77	153	4902	1.39	ng/ul	99
59) Fluorene	15.75	166	22321	5.24	ng/ul	98
70) Phenanthrene	17.49	178	170856	22.27	ng/ul	100
72) Anthracene	17.58	178	32238	4.11	ng/ul	97
77) Fluoranthene	19.50	202	158703	16.45	ng/ul	97
80) Pyrene	19.86	202	236408	24.40	ng/ul	100
83) Benzo(a)anthracene	21.71	228	74118	7.37	ng/ul	93
85) Chrysene	21.77	228	99033	10.33	ng/ul	96
88) Benzo(b)fluoranthene	23.96	252	97147	9.72	ng/ul	99
89) Benzo(k)fluoranthene	23.96	252	97147	10.06	ng/ul	98
91) Benzo(a)pyrene	24.84	252	77827	8.10	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	28.72	276	43117	3.75	ng/ul#	92
94) Benzo(g,h,i)perylene	29.88	276	41191	4.36	ng/ul	97

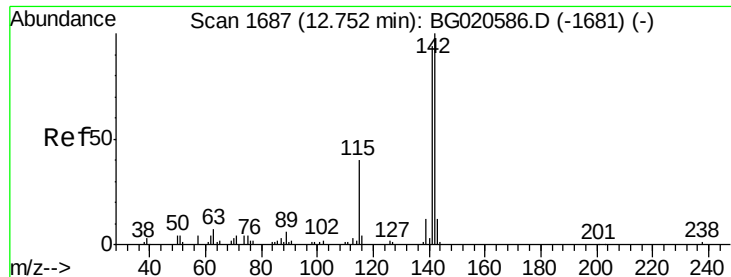
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 30 01:08:31 2015
Response via : Initial Calibration

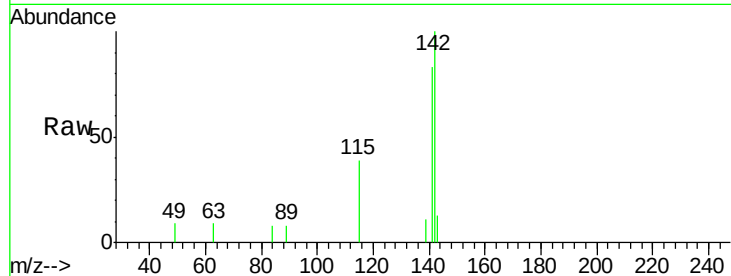




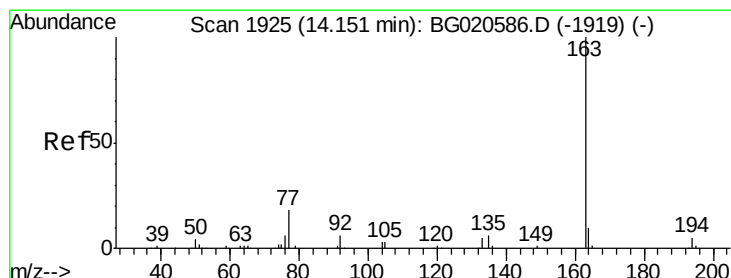
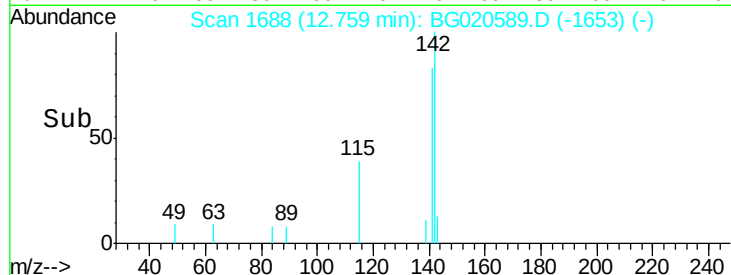
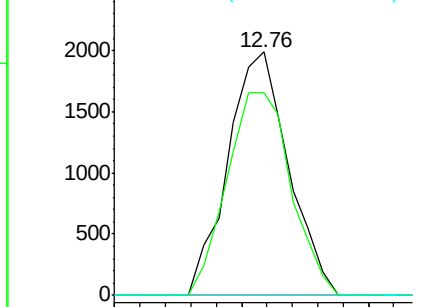
#35
 1-Methylnaphthalene
 Concen: 1.35 ng/ul
 RT: 12.76 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: BG020589.D
 Acq: 29 Dec 2015 8:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:142 Resp: 3307
 Ion Ratio Lower Upper
 142 100
 141 83.4 73.0 109.6
 116 0.0 3.0 4.6#

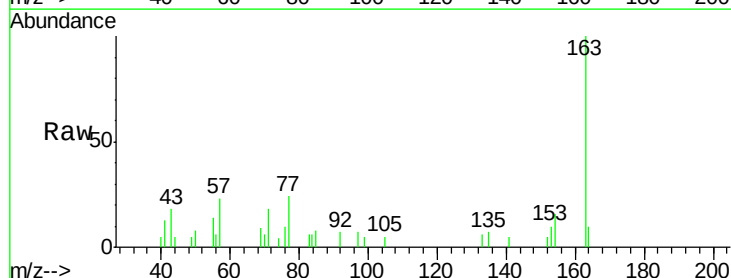


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

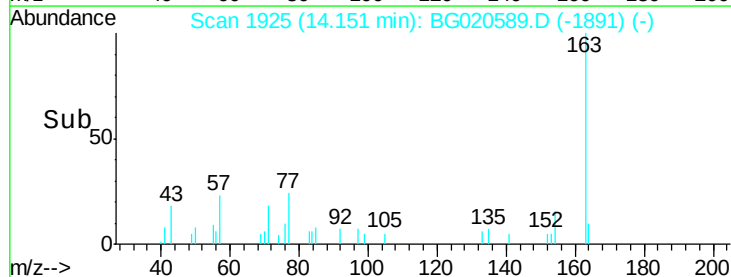
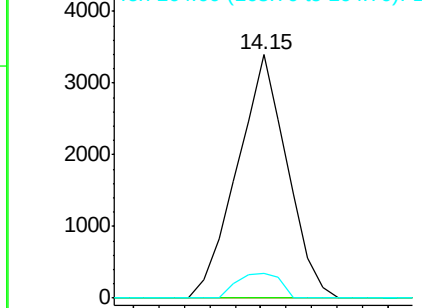


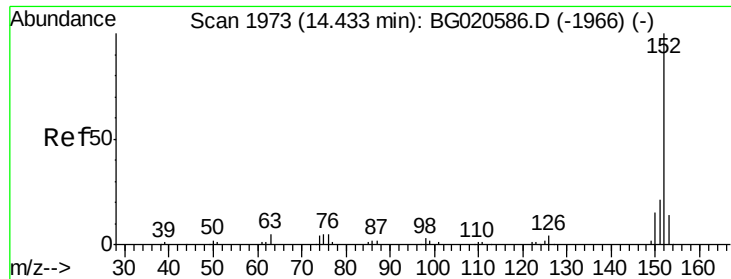
#45
 Dimethylphthalate
 Concen: 1.07 ng/ul
 RT: 14.15 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: BG020589.D
 Acq: 29 Dec 2015 8:14

Tgt Ion:163 Resp: 4673
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.5 5.3#
 164 10.1 7.7 11.5



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





#48

Acenaphthylene

Concen: 1.98 ng/ul

RT: 14.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

Instrument :

BNA_G

ClientSampleId :

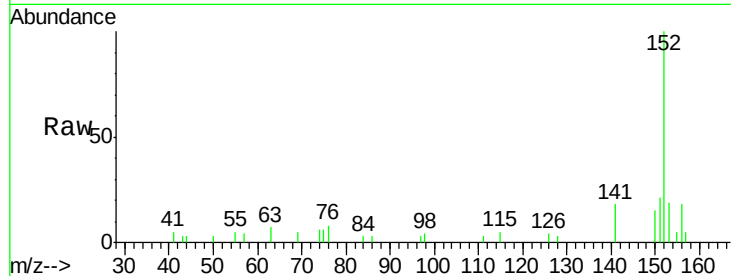
Tot Ion:152 Resp: 10359

Ion Ratio Lower Upper

152 100

151 20.8 16.4 24.6

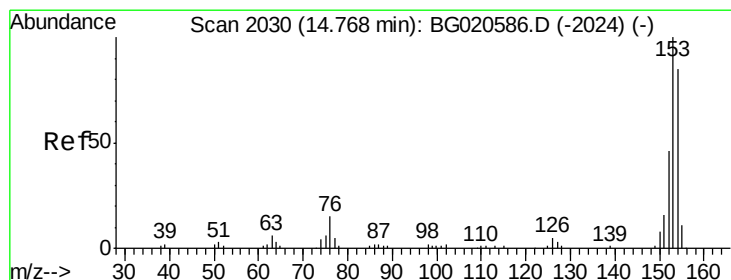
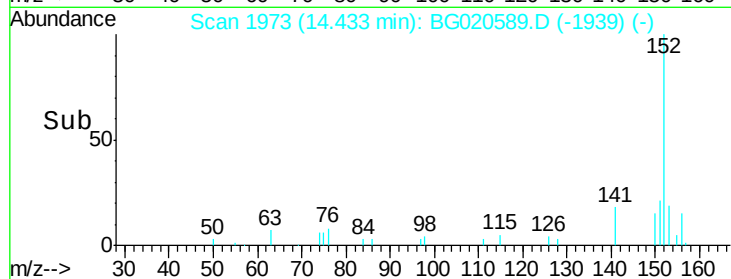
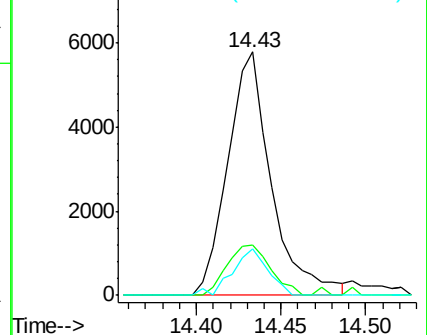
153 19.1 10.4 15.6#



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



#50

Acenaphthene

Concen: 1.39 ng/ul

RT: 14.77 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

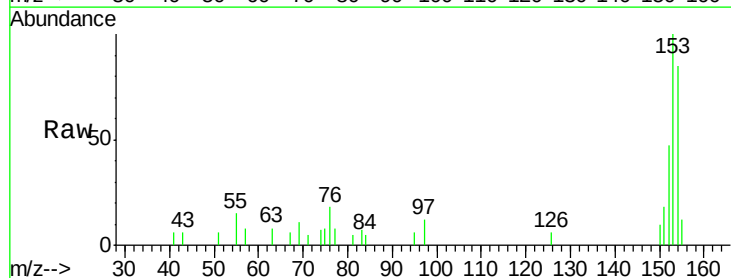
Tgt Ion:153 Resp: 4902

Ion Ratio Lower Upper

153 100

152 46.8 37.6 56.4

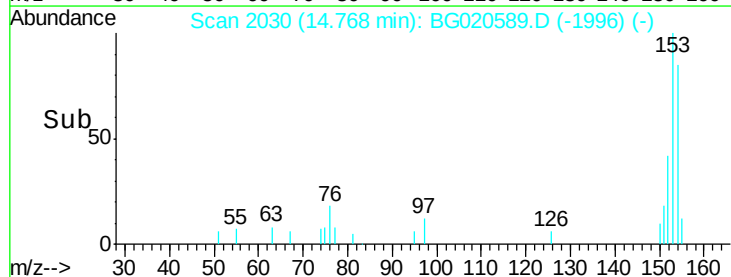
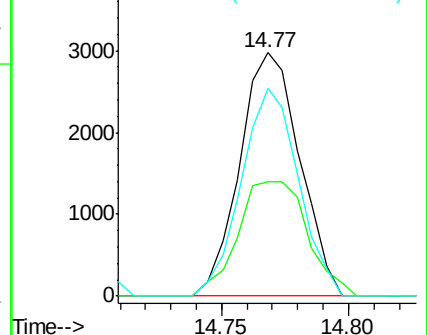
154 85.5 67.9 101.9

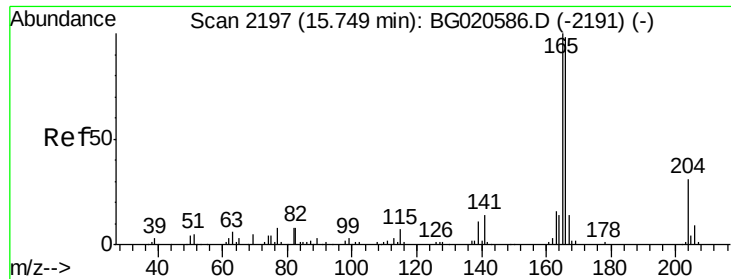


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#59

Fluorene

Concen: 5.24 ng/ul

RT: 15.75 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

Instrument :

BNA_G

ClientSampleId :

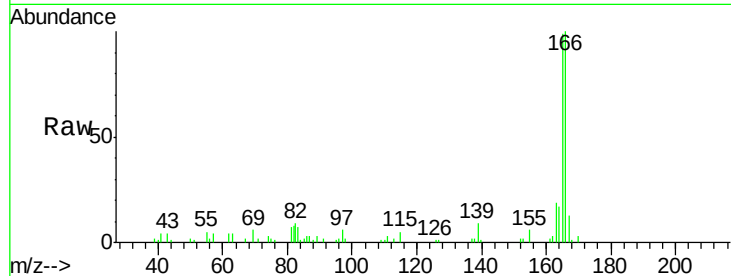
Tot Ion:166 Resp: 22321

Ion Ratio Lower Upper

166 100

165 99.2 81.4 122.0

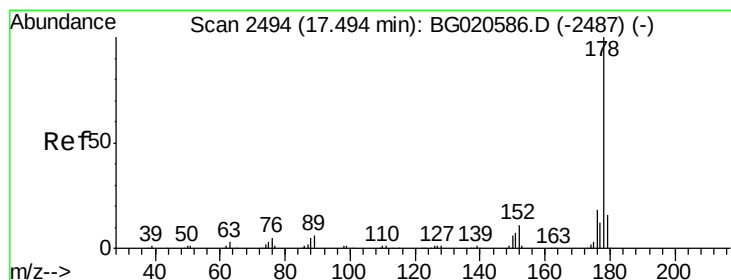
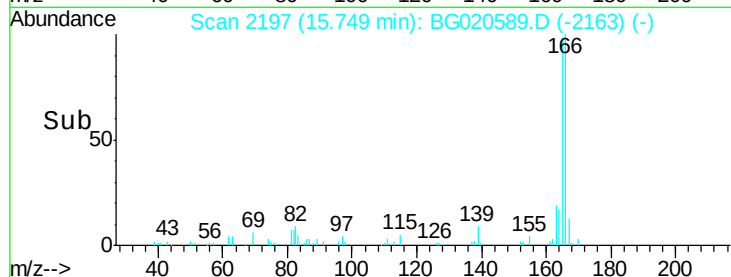
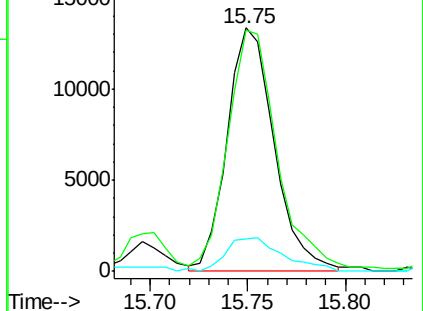
167 13.1 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 22.27 ng/ul

RT: 17.49 min Scan# 2494

Delta R.T. 0.00 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

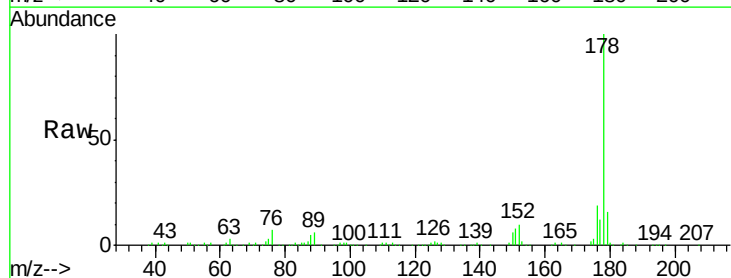
Tgt Ion:178 Resp: 170856

Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

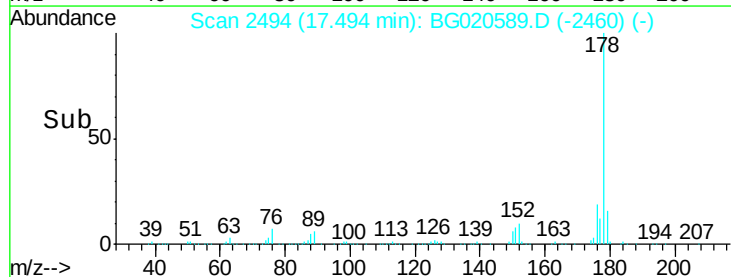
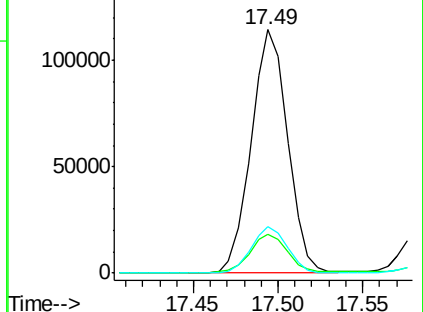
176 19.0 15.3 22.9

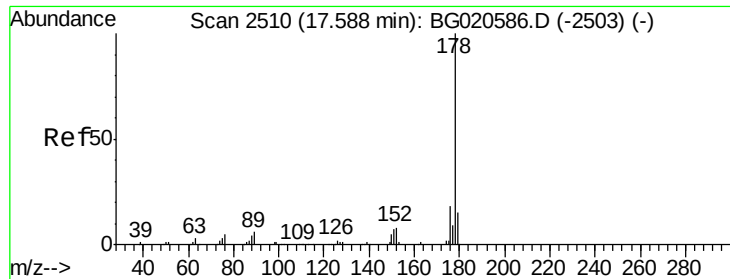


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 4.11 ng/ul

RT: 17.58 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

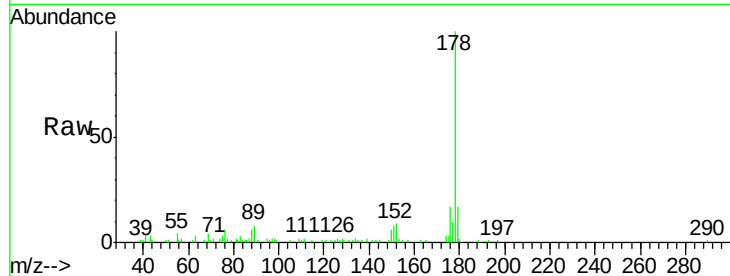
Instrument :

BNA_G

ClientSampleId :

Tot Ion:178 Resp: 32238

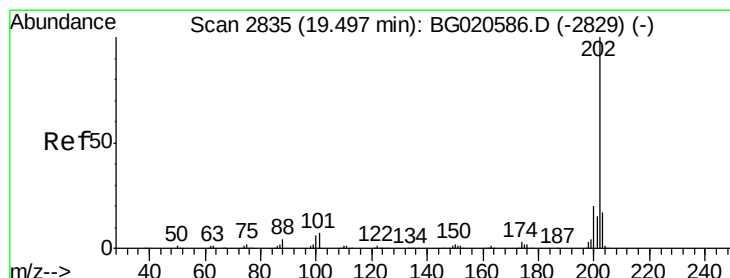
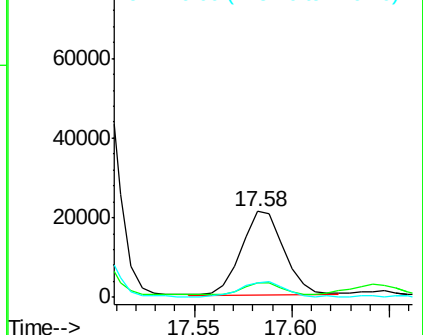
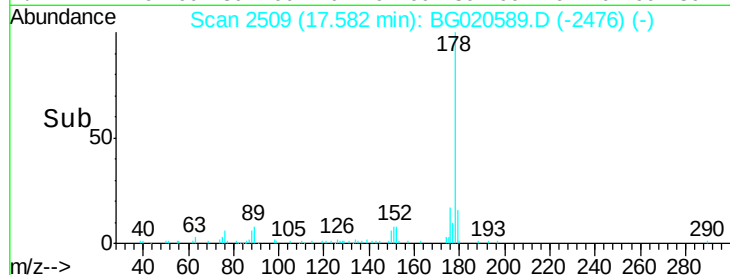
Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.3	18.5
176	17.2	14.3	21.5



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



#77

Fluoranthene

Concen: 16.45 ng/ul

RT: 19.50 min Scan# 2836

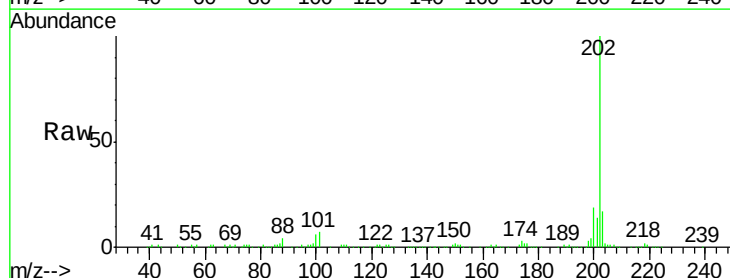
Delta R.T. 0.01 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

Tgt Ion:202 Resp: 158703

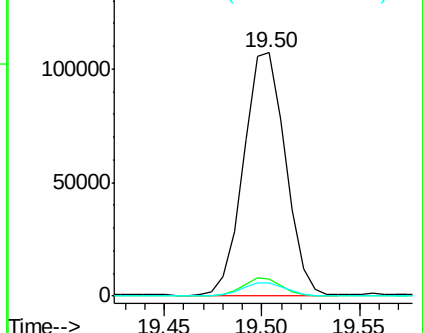
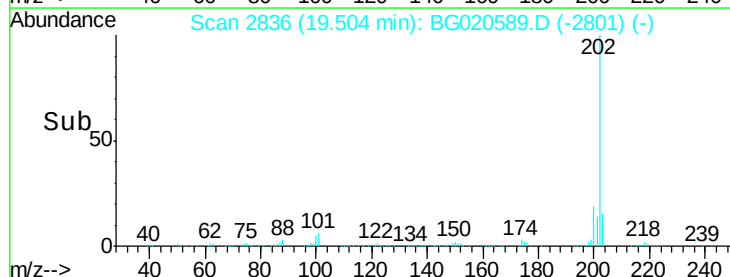
Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.2	9.4
100	5.7	5.1	7.7

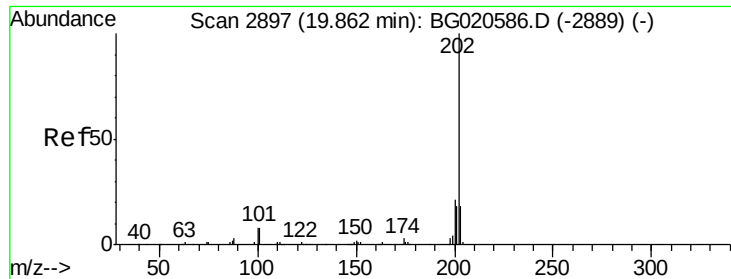


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

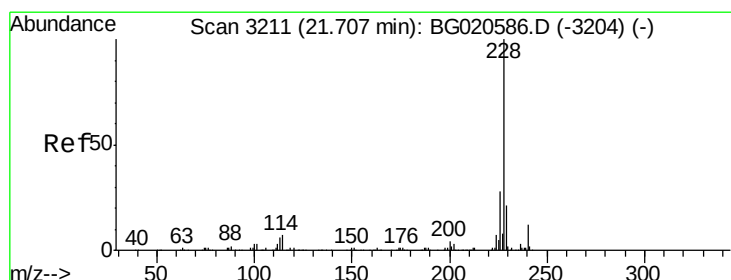
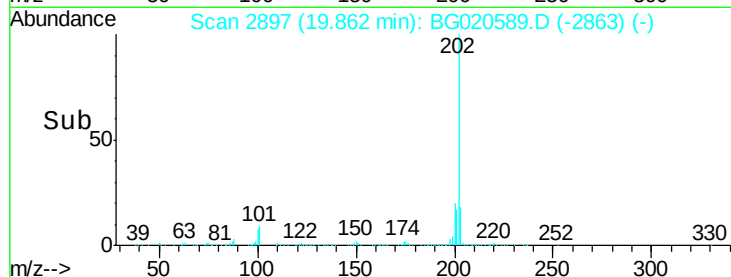
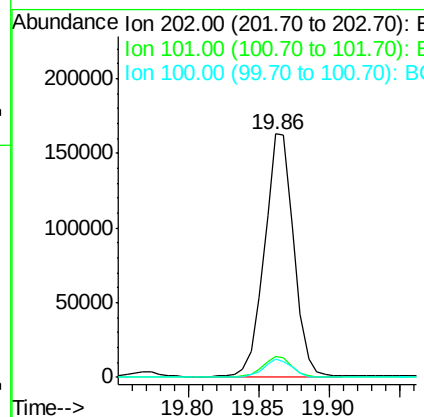
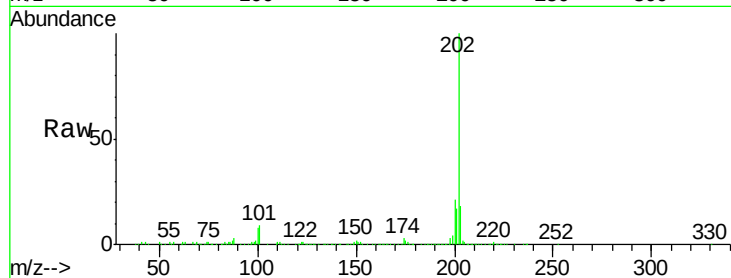




#80
Pvrene
Concen: 24.40 ng/ul
RT: 19.86 min Scan# 2897
Delta R.T. 0.00 min
Lab File: BG020589.D
Acq: 29 Dec 2015 8:14

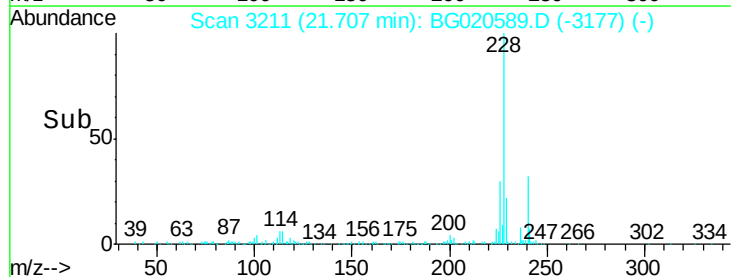
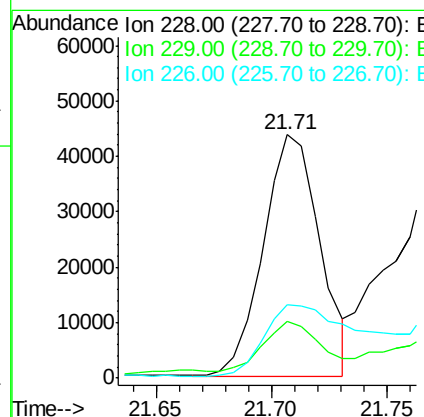
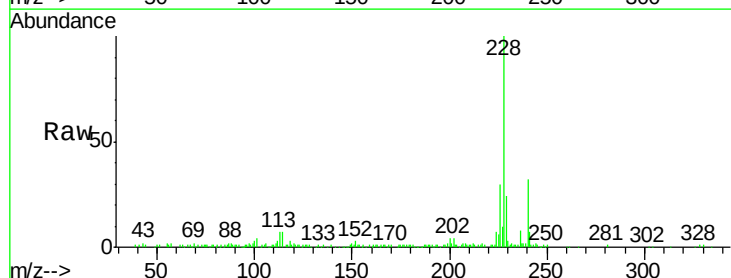
Instrument :
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ClientSampleId :

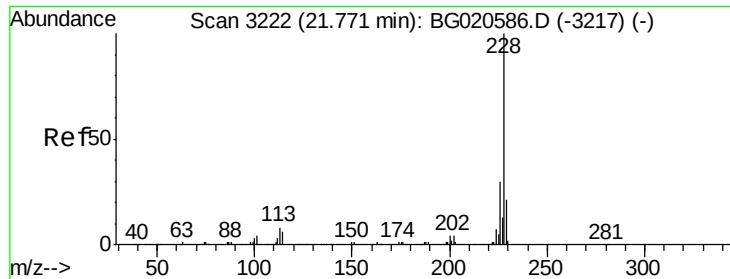
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	7.7	6.4	9.6



#83
Benzo(a)anthracene
Concen: 7.37 ng/ul
RT: 21.71 min Scan# 3211
Delta R.T. 0.00 min
Lab File: BG020589.D
Acq: 29 Dec 2015 8:14

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.5	15.8	23.8
226	30.3	21.8	32.6





#85

Chrysene

Concen: 10.33 ng/ul

RT: 21.77 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

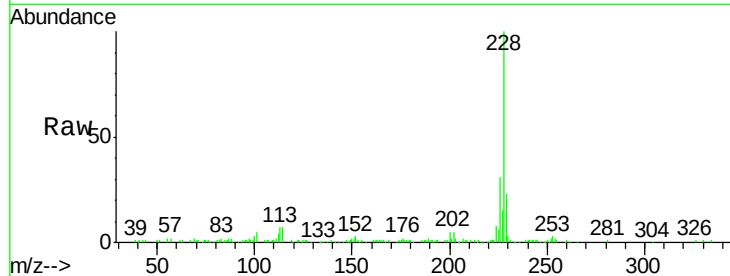
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 99033

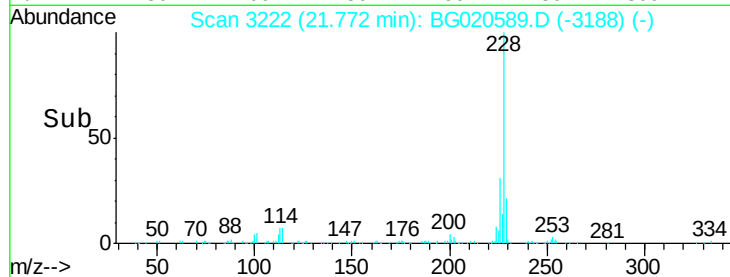
Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.7	15.6	23.4



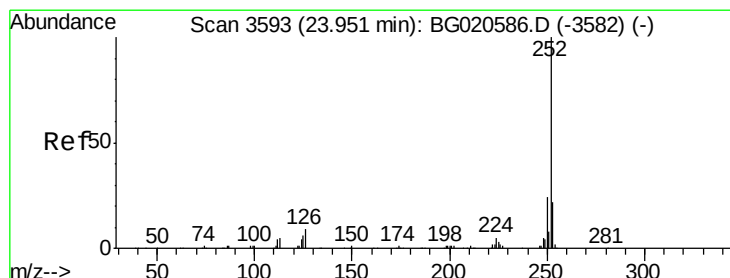
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 9.72 ng/ul

RT: 23.96 min Scan# 3594

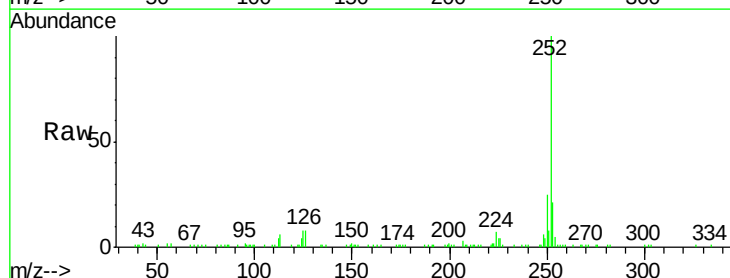
Delta R.T. 0.01 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

Tgt Ion:252 Resp: 97147

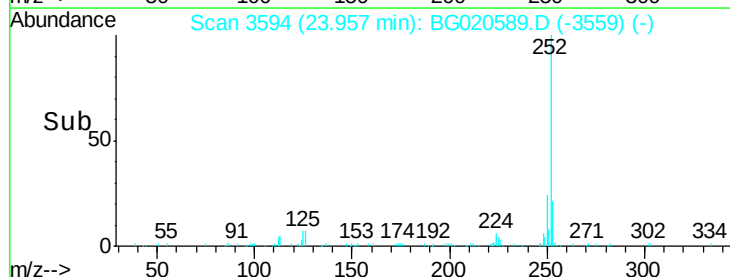
Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.7	25.1
125	7.7	6.2	9.2



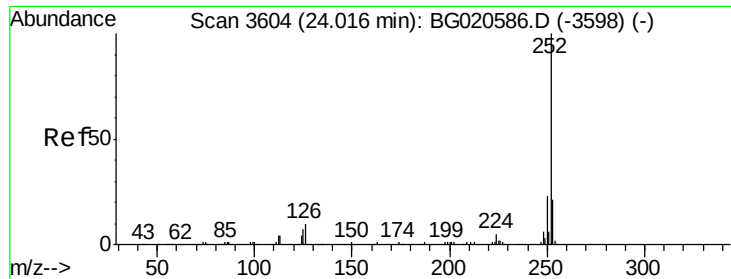
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



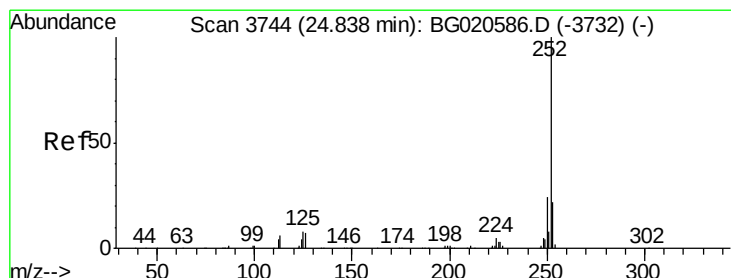
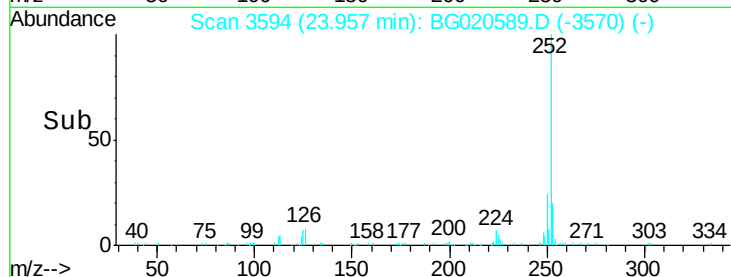
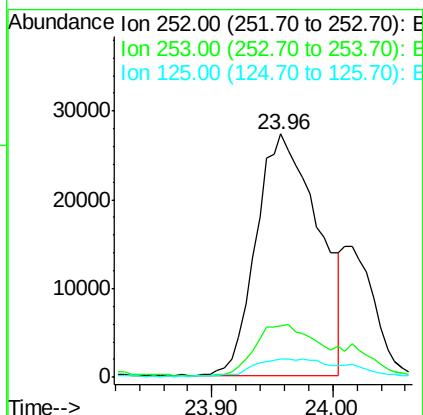
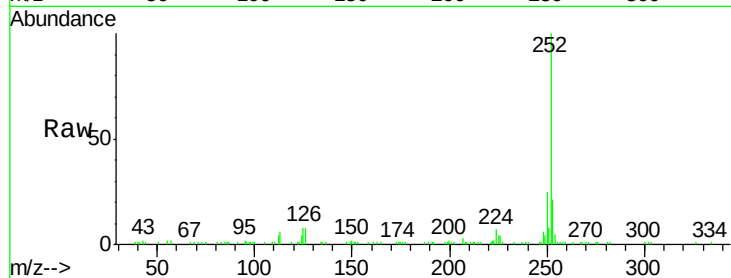
Time-->



#89
Benzo(k)fluoranthene
Concen: 10.06 ng/ul
RT: 23.96 min Scan# 3594
Delta R.T. -0.06 min
Lab File: BG020589.D
Acq: 29 Dec 2015 8:14

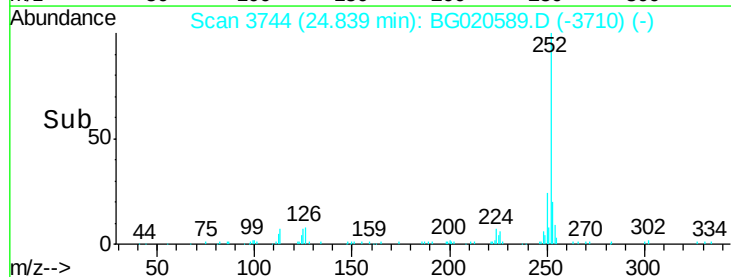
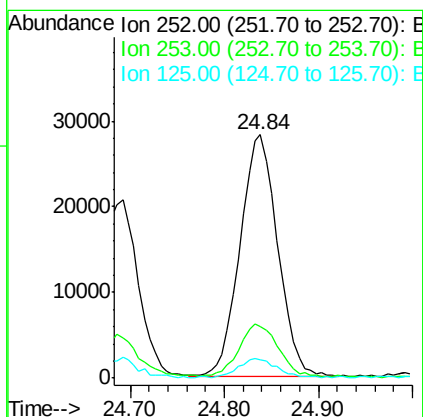
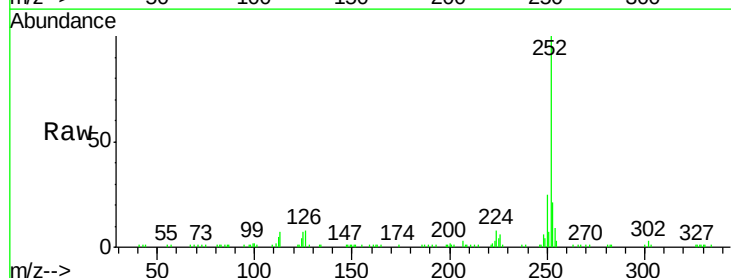
Instrument :
BNA_G
ClientSampleId :

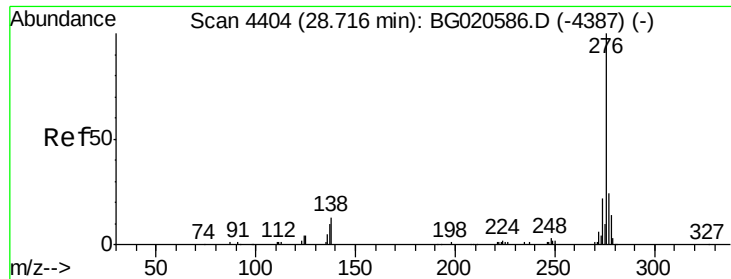
Tot Ion:252 Resp: 97147
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 7.7 5.8 8.6



#91
Benzo(a)pyrene
Concen: 8.10 ng/ul
RT: 24.84 min Scan# 3744
Delta R.T. 0.00 min
Lab File: BG020589.D
Acq: 29 Dec 2015 8:14

Tgt Ion:252 Resp: 77827
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.4
125 7.3 6.2 9.4





#92

Indeno(1,2,3-cd)pyrene

Concen: 3.75 ng/ul

RT: 28.72 min Scan# 4405

Delta R.T. 0.01 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

Instrument :

BNA_G

ClientSampleId :

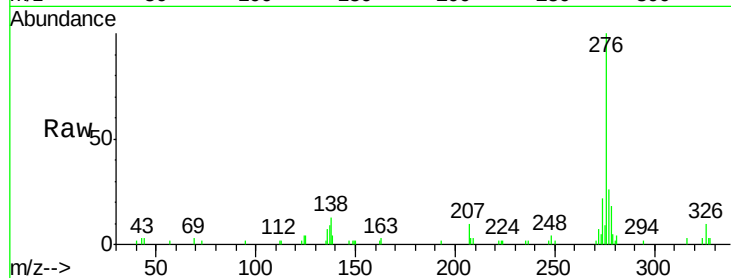
Tot Ion:276 Resp: 43117

Ion Ratio Lower Upper

276 100

138 17.4 11.4 17.0#

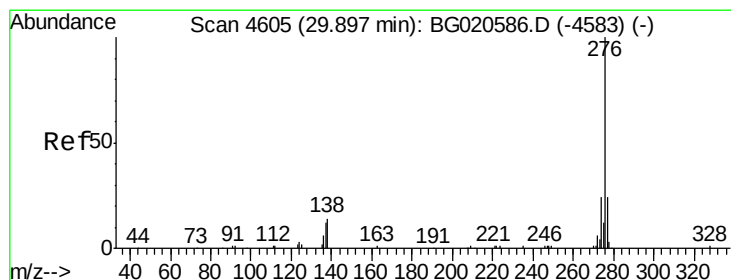
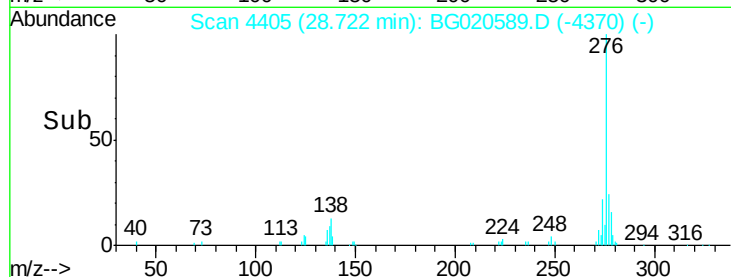
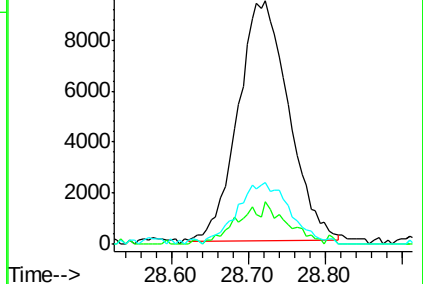
277 25.6 17.4 26.0



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



#94

Benzo(g,h,i)perylene

Concen: 4.36 ng/ul

RT: 29.88 min Scan# 4602

Delta R.T. -0.02 min

Lab File: BG020589.D

Acq: 29 Dec 2015 8:14

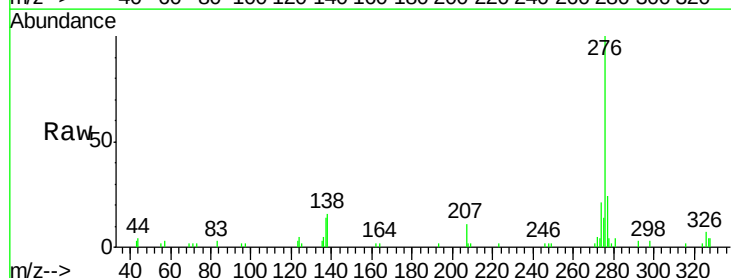
Tgt Ion:276 Resp: 41191

Ion Ratio Lower Upper

276 100

138 15.7 10.8 16.2

277 24.2 19.9 29.9



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

