

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121615\
 Data File : BG020196.D
 Acq On : 15 Dec 2015 19:23
 Operator : UM/SJ
 Sample : G4786-08MSD
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G9BQ3MSD

Quant Time: Dec 16 02:42:25 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 16 02:38:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	19693	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	88975	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	67098	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	168919	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	181128	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	168919	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	514	1.44	ng/uL	0.00
5) Phenol-d5	7.25	99	14803	8.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	35183	33.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	36818	29.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	29145	19.63	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	24245	34.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	29064	37.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	52672	33.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	10171	5.79	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	205642	37.89	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	226341	35.84	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	8555	8.79	ng/ul	0.00
58) Fluorene-d10	15.72	176	181285	36.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	39997	39.94	ng/ul	0.00
71) Anthracene-d10	17.57	188	297751	38.25	ng/ul	0.00
79) Pyrene-d10	19.85	212	334947	39.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	304981	36.20	ng/ul	0.00

Target Compounds

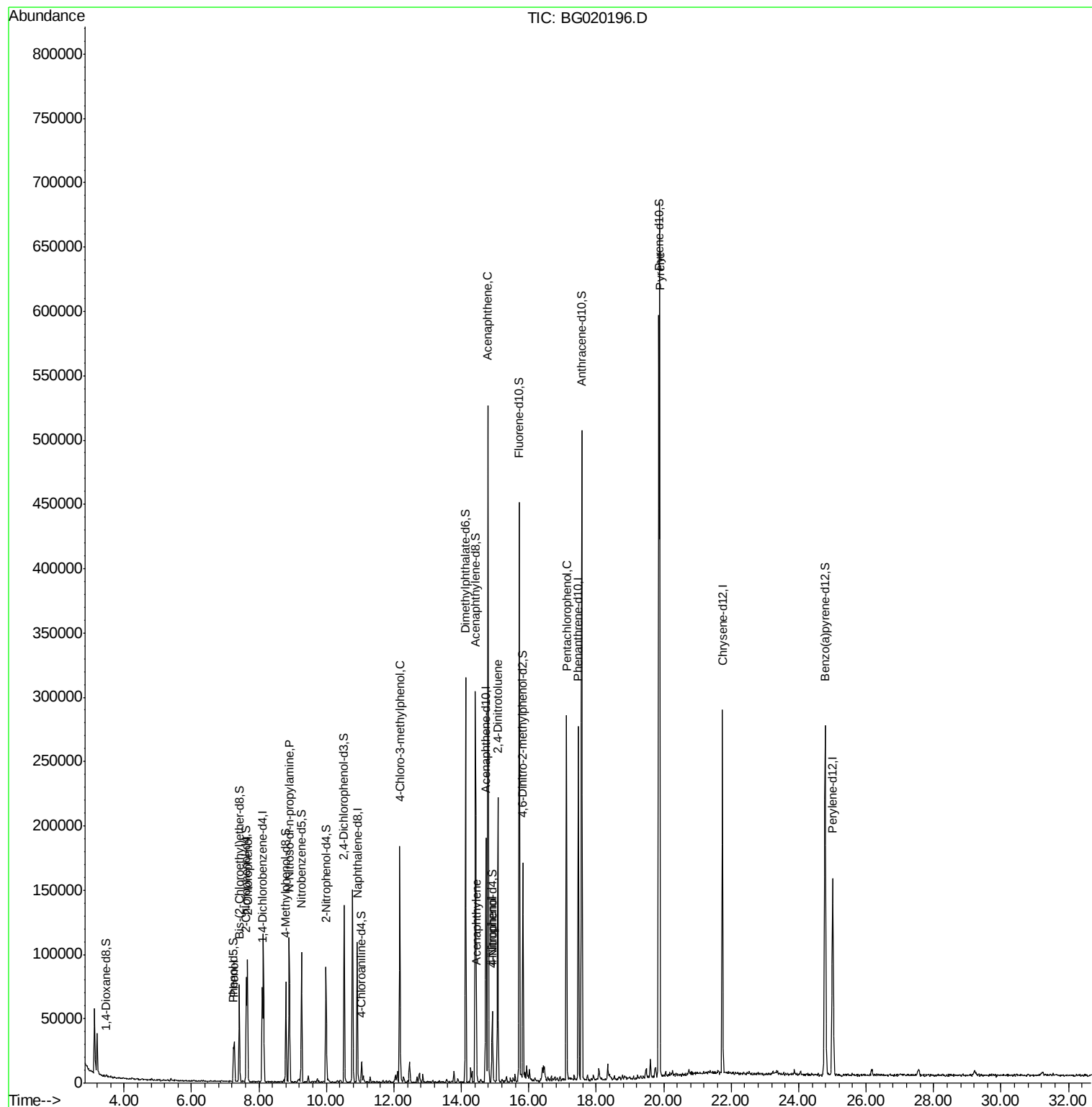
						Qvalue
6) Phenol	7.27	94	16477	8.86	ng/ul	96
10) 2-Chlorophenol	7.66	128	39364	29.76	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.90	70	43527	35.36	ng/ul	97
33) 4-Chloro-3-methylphenol	12.18	107	64149	33.62	ng/ul	92
48) Acenaphthylene	14.45	152	10350	1.54	ng/ul#	90
50) Acenaphthene	14.79	153	225309	49.92	ng/ul	98
53) 4-Nitrophenol	14.93	109	8579	9.16	ng/ul	89
55) 2,4-Dinitrotoluene	15.08	165	64245	38.17	ng/ul	99
69) Pentachlorophenol	17.12	266	54706	42.61	ng/ul	98
80) Pyrene	19.88	202	430345	39.26	ng/ul	99

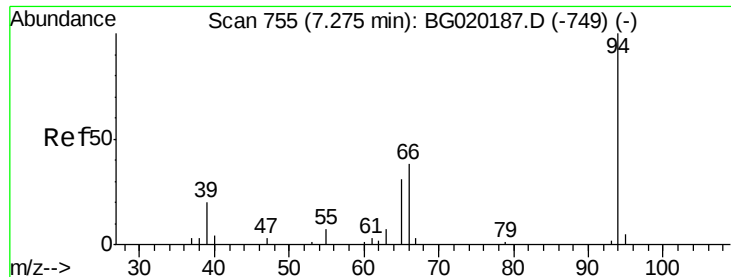
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 16 02:38:55 2015
Response via : Initial Calibration





#6

Phenol

Concen: 8.86 ng/ul

RT: 7.27 min Scan# 754

Delta R.T. -0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

Instrument :

BNA_G

ClientSampleId :

G9BQ3MSD

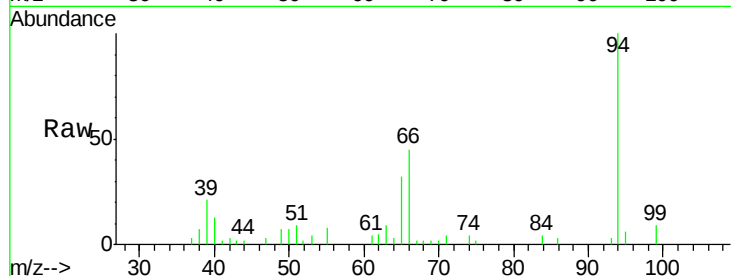
Tgt Ion: 94 Resp: 16477

Ion Ratio Lower Upper

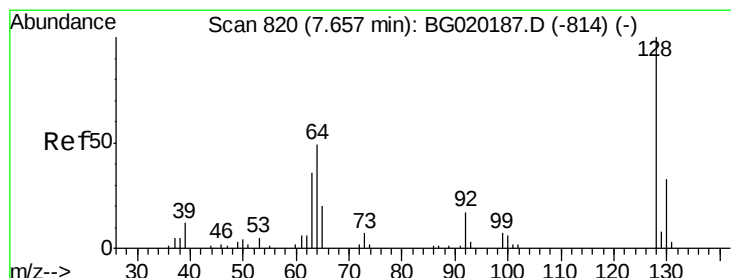
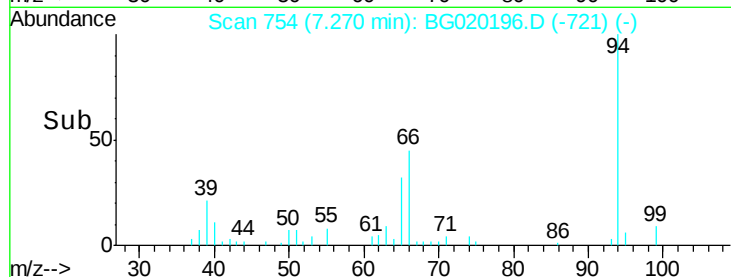
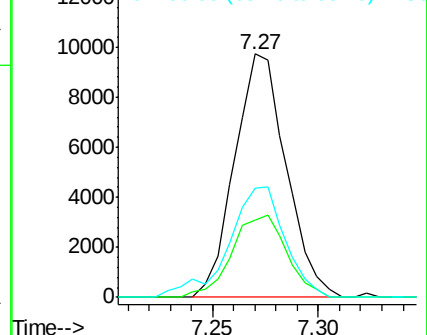
94 100

65 31.7 26.3 39.5

66 44.7 33.3 49.9



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: 29.76 ng/ul

RT: 7.66 min Scan# 820

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

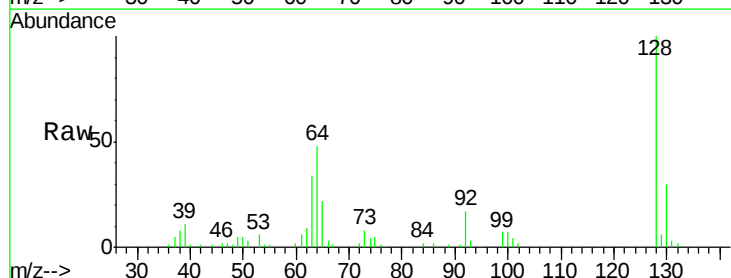
Tgt Ion: 128 Resp: 39364

Ion Ratio Lower Upper

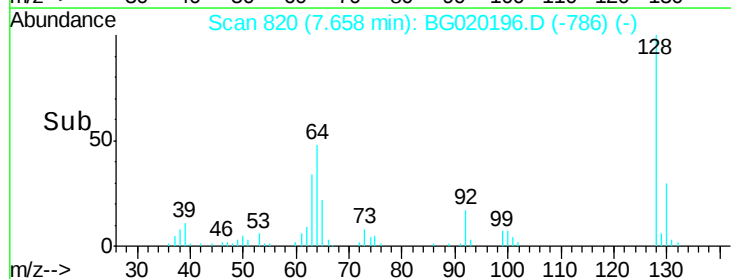
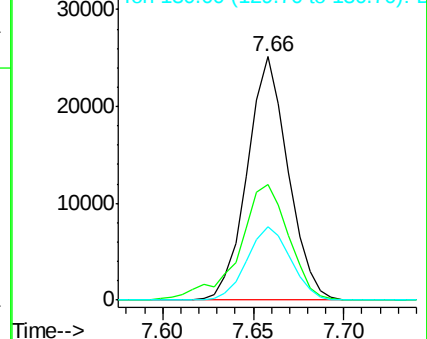
128 100

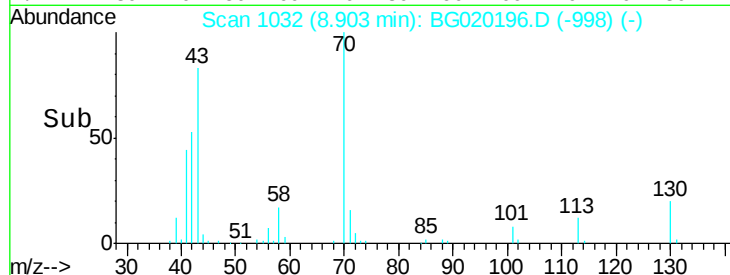
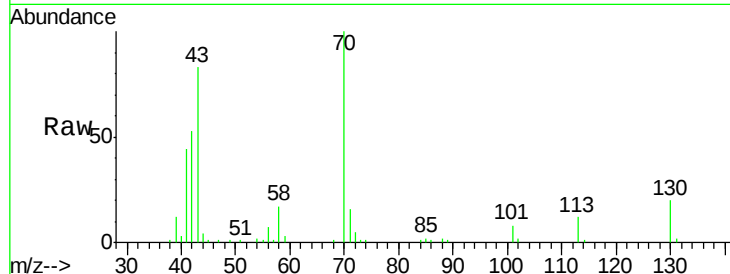
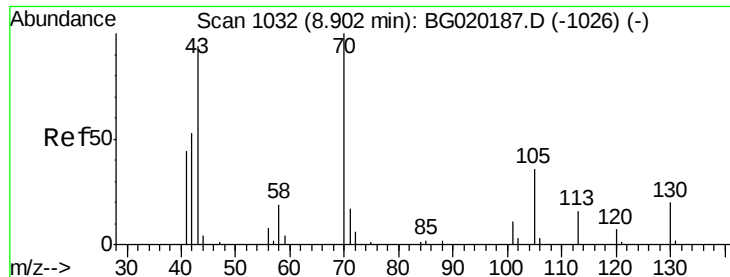
64 47.6 39.4 59.0

130 30.1 24.6 36.8



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





#15

N-Nitroso-di-n-propylamine

Concen: 35.36 ng/ul

RT: 8.90 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

Instrument :

BNA_G

ClientSampleId :

G9BQ3MSD

Tgt Ion: 70 Resp: 43527

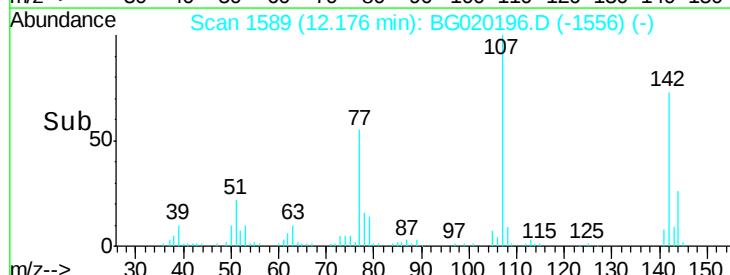
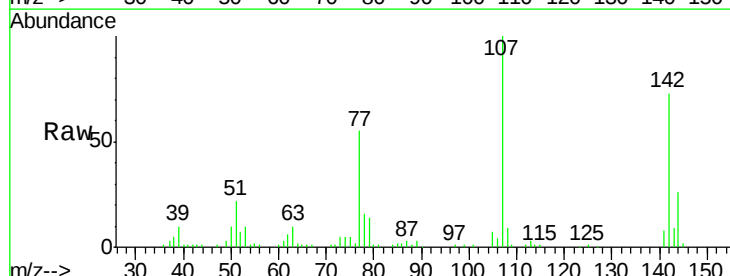
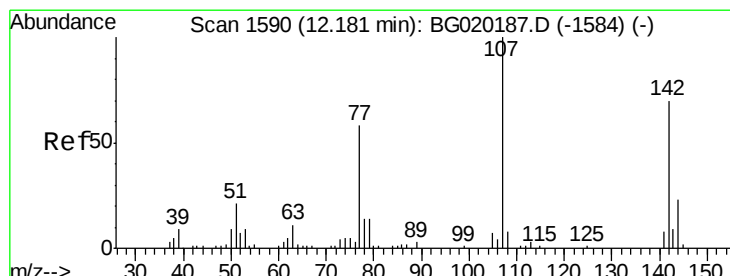
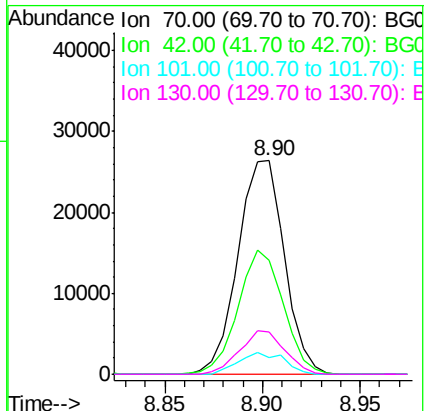
Ion Ratio Lower Upper

70 100

42 53.1 44.3 66.5

101 7.9 7.6 11.4

130 19.8 17.0 25.4



#33

4-Chloro-3-methylphenol

Concen: 33.62 ng/ul

RT: 12.18 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

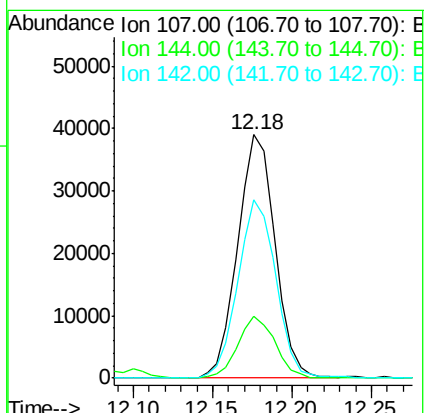
Tgt Ion: 107 Resp: 64149

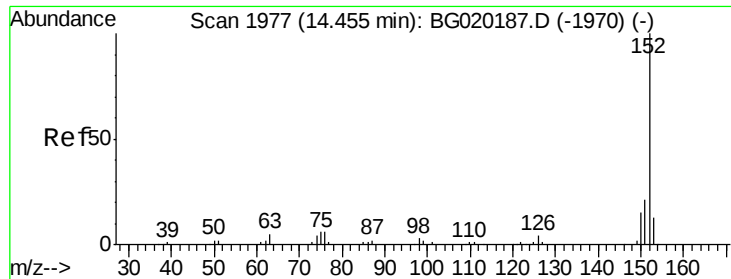
Ion Ratio Lower Upper

107 100

144 25.7 18.7 28.1

142 73.3 52.8 79.2





#48

Acenaphthylene

Concen: 1.54 ng/ul

RT: 14.45 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

Instrument :

BNA_G

ClientSampleId :

G9BQ3MSD

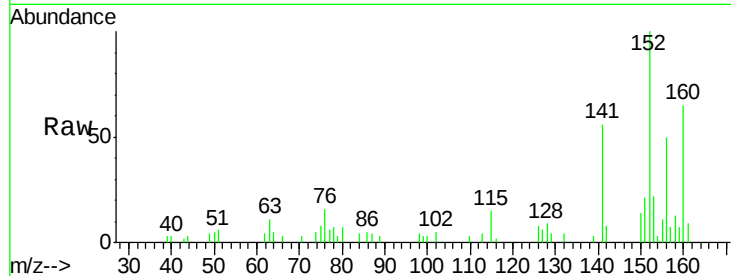
Tgt Ion:152 Resp: 10350

Ion Ratio Lower Upper

152 100

151 21.0 16.4 24.6

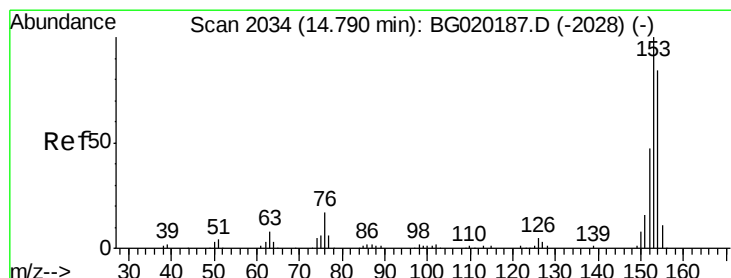
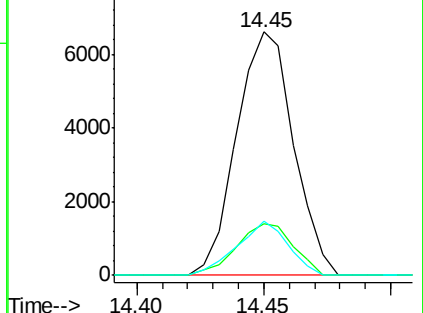
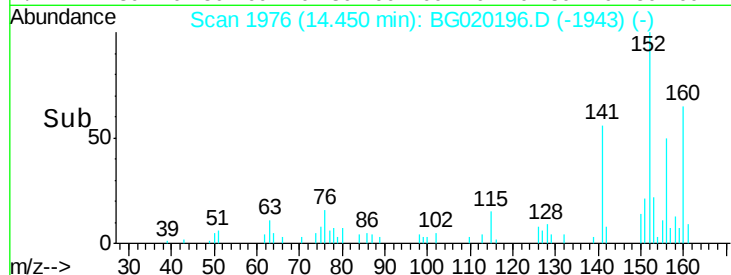
153 22.2 10.4 15.6#



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: 49.92 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

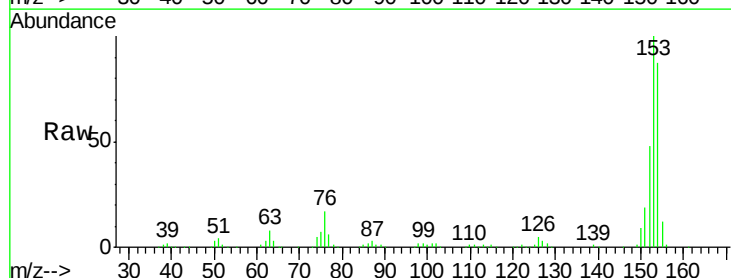
Tgt Ion:153 Resp: 225309

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

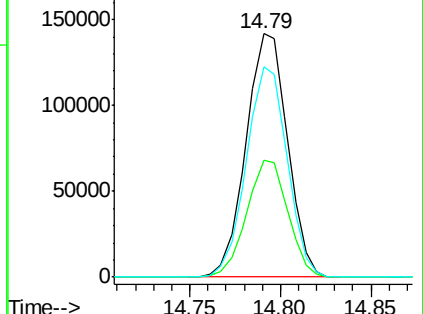
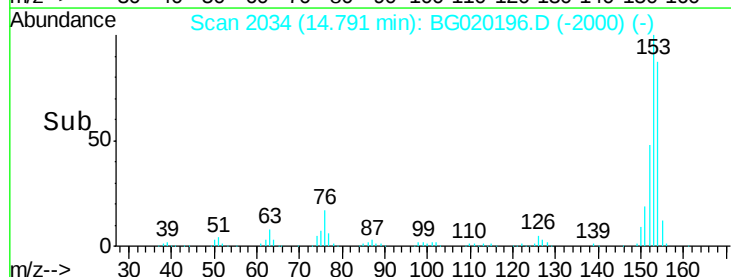
154 86.6 67.9 101.9

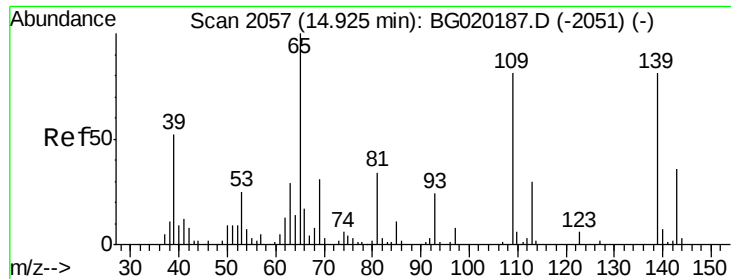


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 9.16 ng/ul

RT: 14.93 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

Instrument :

BNA_G

ClientSampleId :

G9BQ3MSD

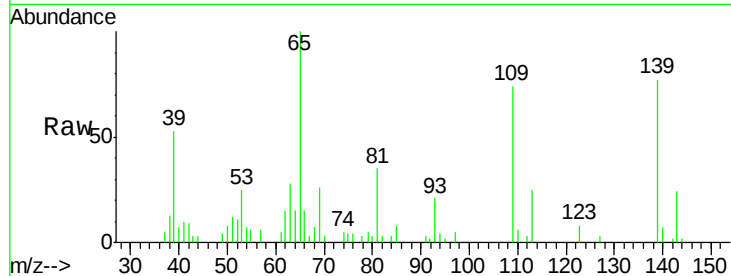
Tgt Ion:109 Resp: 8579

Ion Ratio Lower Upper

109 100

139 103.8 80.5 120.7

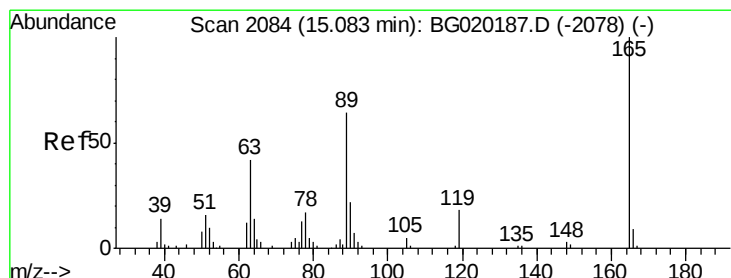
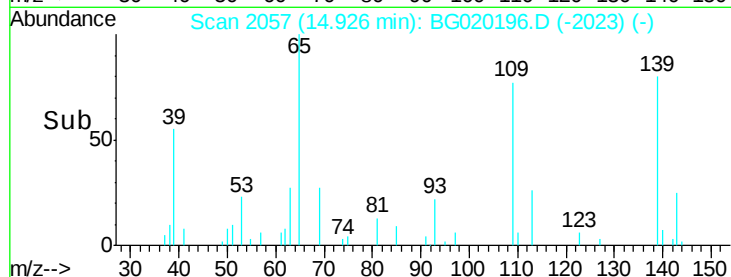
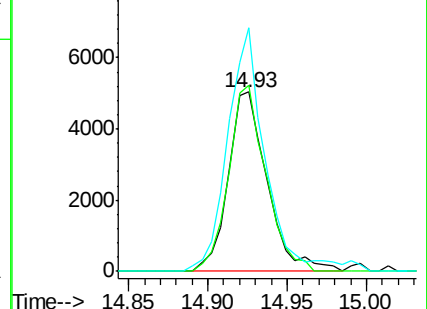
65 135.6 93.4 140.2



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): B



#55

2,4-Dinitrotoluene

Concen: 38.17 ng/ul

RT: 15.08 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

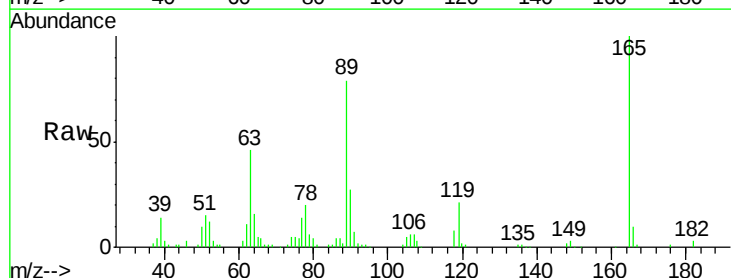
Tgt Ion:165 Resp: 64245

Ion Ratio Lower Upper

165 100

63 45.8 35.8 53.8

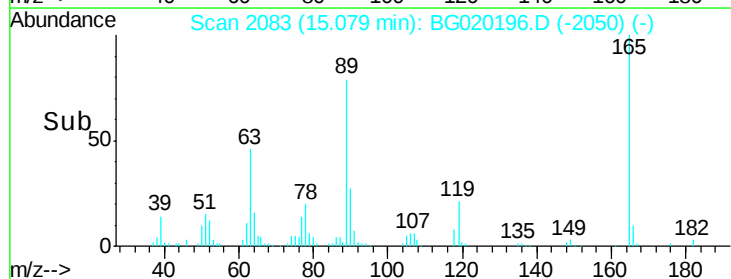
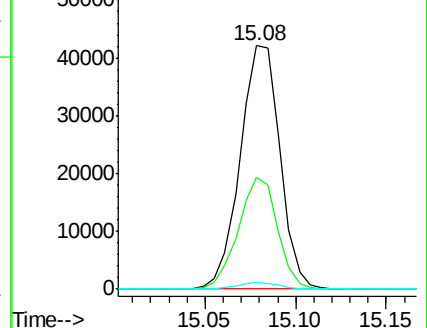
182 3.0 2.2 3.2

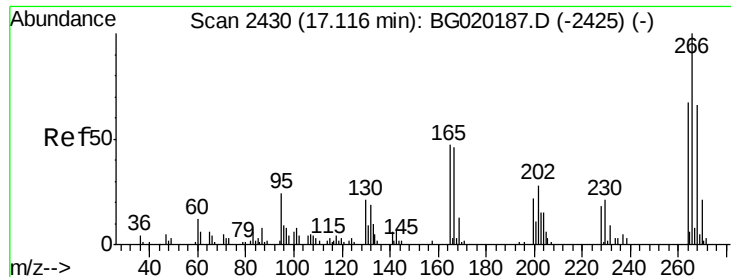


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): B

Ion 182.00 (181.70 to 182.70): E





#69

Pentachlorophenol

Concen: 42.61 ng/ul

RT: 17.12 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

Instrument :

BNA_G

ClientSampleId :

G9BQ3MSD

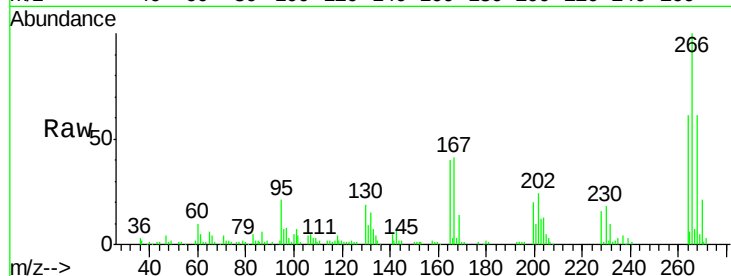
Tgt Ion:266 Resp: 54706

Ion Ratio Lower Upper

266 100

264 67.6 52.2 78.2

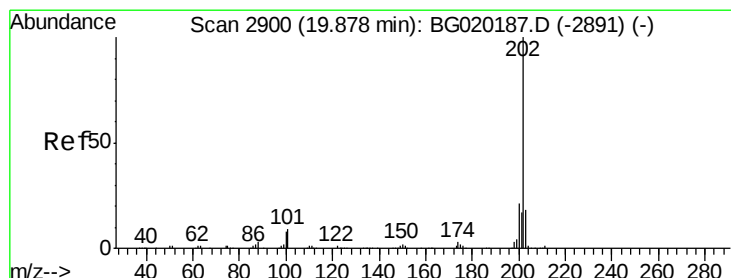
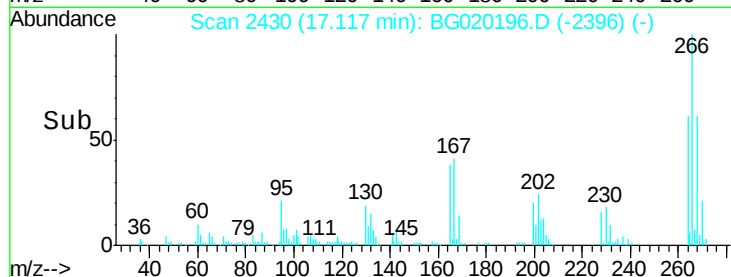
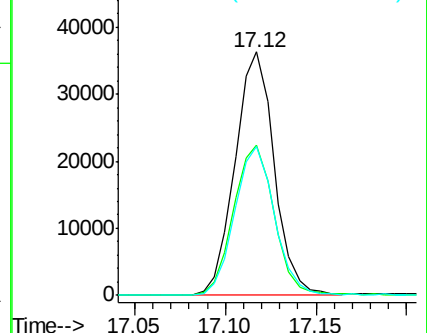
268 61.2 49.3 73.9



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



#80

Pyrene

Concen: 39.26 ng/ul

RT: 19.88 min Scan# 2900

Delta R.T. 0.00 min

Lab File: BG020196.D

Acq: 15 Dec 2015 19:23

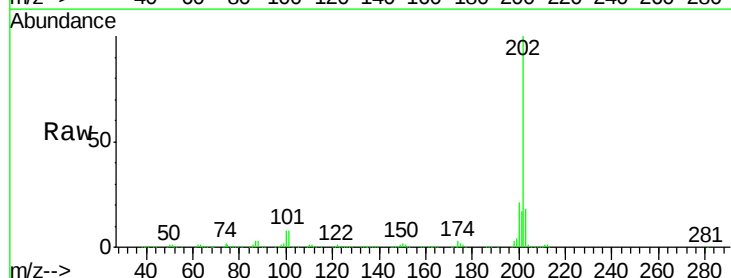
Tgt Ion:202 Resp: 430345

Ion Ratio Lower Upper

202 100

101 8.2 7.0 10.4

100 7.5 6.4 9.6



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

