

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021317\
 Data File : BG025842.D
 Acq On : 13 Feb 2017 11:52
 Operator : SJ/MA
 Sample : I1780-05DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AB6DL

Quant Time: Feb 13 13:41:27 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG021017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 10 22:04:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	85363	20.00	ng/ul	0.01
18) Naphthalene-d8	10.90	136	413020	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	284549	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.42	188	630380	20.00	ng/ul	0.00
77) Chrysene-d12	21.67	240	677907	20.00	ng/ul	0.00
85) Perylene-d12	24.89	264	656009	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.53	96	423	0.22	ng/uL	0.01
5) Phenol-d5	7.24	99	7903	0.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	30781	6.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	26884	4.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	16060	2.41	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	16542	6.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	18547	6.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	32076	5.24	ng/ul	0.00
29) 4-Chloroaniline-d4	11.02	131	571	0.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	132974	6.38	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	150432	6.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.85	143	4168	1.05	ng/ul	0.00
57) Fluorene-d10	15.67	176	121729	6.61	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.77	200	13871	4.31	ng/ul	0.00
70) Anthracene-d10	17.52	188	190599	6.66	ng/ul	0.00
78) Pyrene-d10	19.79	212	225817	6.99	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.66	264	193036	6.62	ng/ul	0.00

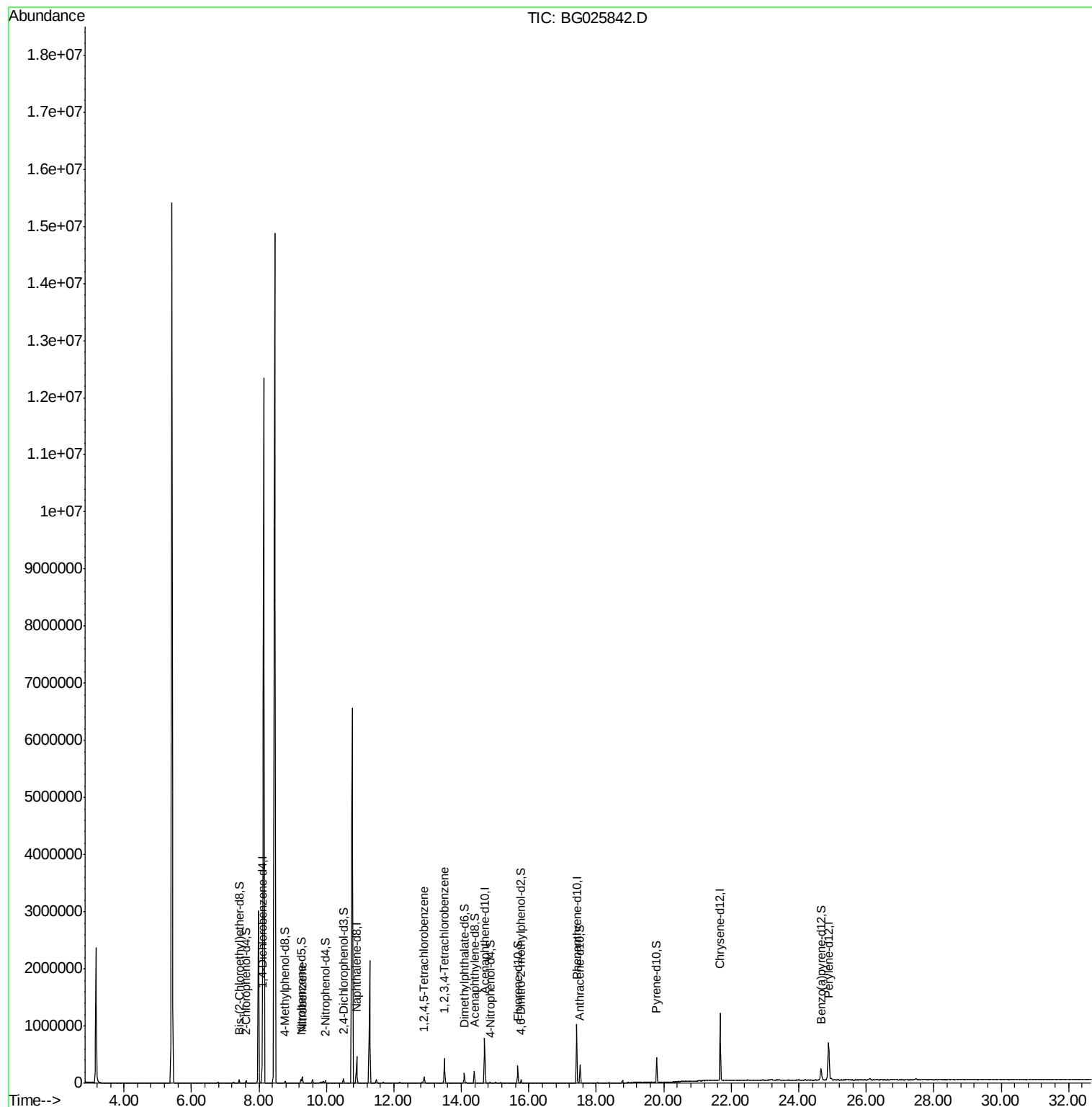
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Nitrobenzene	9.29	77	64791	10.34	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.90	216	44254	6.38	ng/ul#	96
72) 1,2,3,4-Tetrachlorobenzene	13.50	216	141693	20.55	ng/uL	98

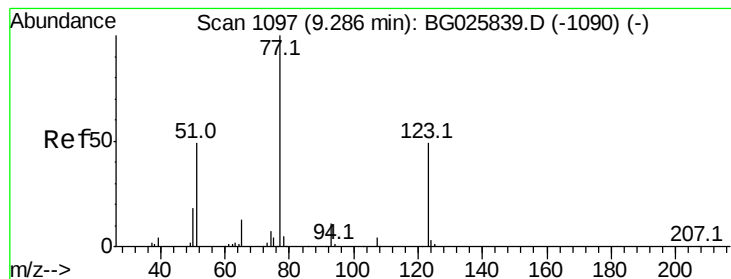
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#20

Nitrobenzene

Concen: 10.34 ng/ul

RT: 9.29 min Scan# 1097

Delta R.T. 0.00 min

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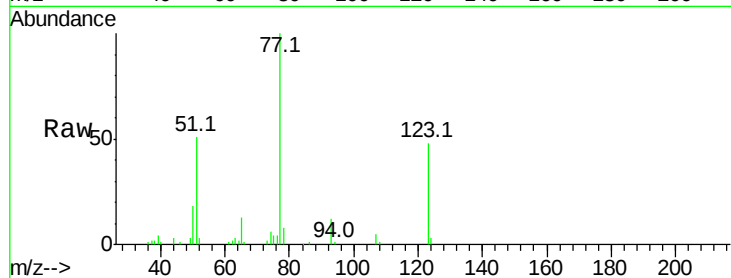
Tot Ion: 77 Resp: 64791

Ion Ratio Lower Upper

77 100

123 47.6 39.0 58.4

65 13.1 10.4 15.6

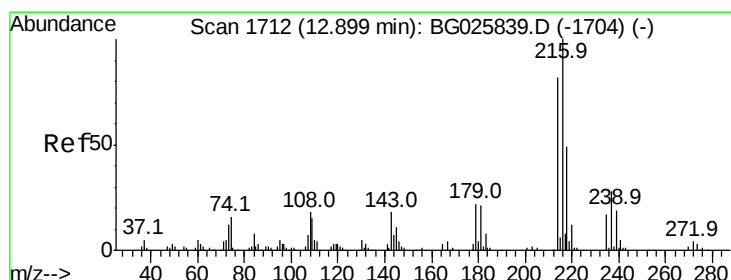
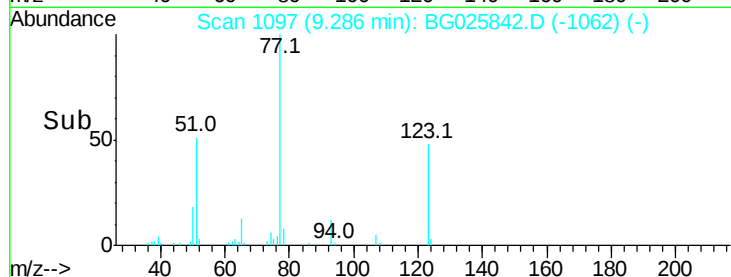
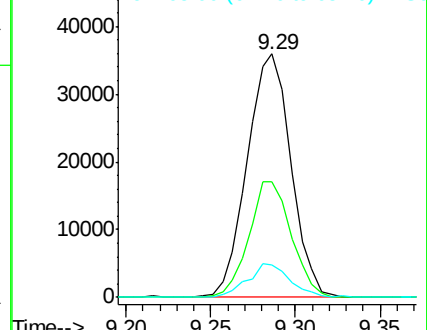


Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#36

1,2,4,5-Tetrachlorobenzene

Concen: 6.38 ng/ul

RT: 12.90 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BG025842.D

Acq: 13 Feb 2017 11:52

Tgt Ion: 216 Resp: 44254

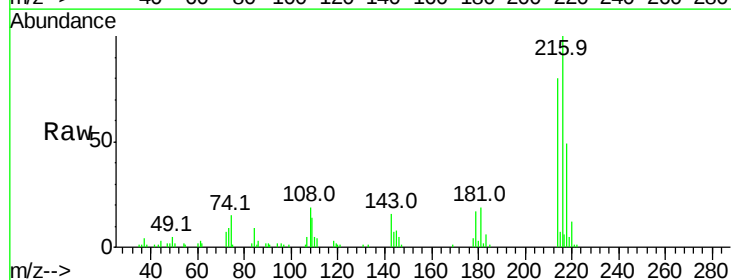
Ion Ratio Lower Upper

216 100

214 80.1 62.5 93.7

179 17.1 18.2 27.2#

108 18.5 14.2 21.2



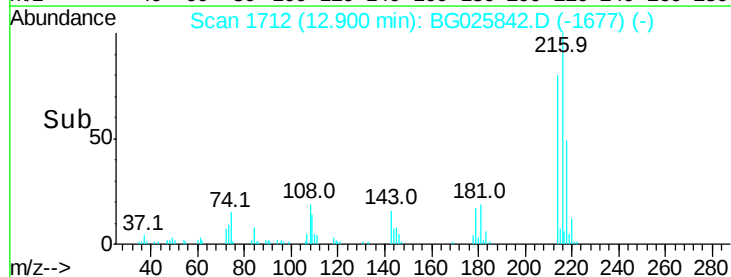
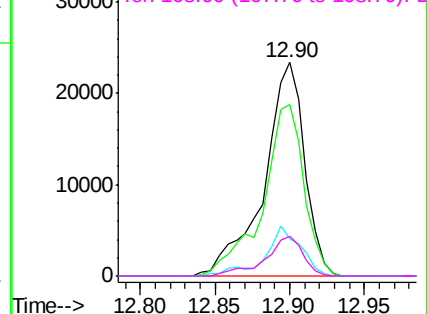
Abundance

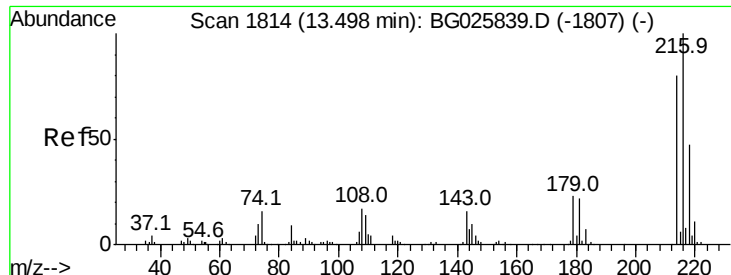
Ion 216.00 (215.70 to 216.70): BGC

Ion 214.00 (213.70 to 214.70): BGC

Ion 179.00 (178.70 to 179.70): BGC

Ion 108.00 (107.70 to 108.70): BGC





#72

1,2,3,4-Tetrachlorobenzene

Concen: 20.55 ng/uL

RT: 13.50 min Scan# 1814

Delta R.T. 0.00 min

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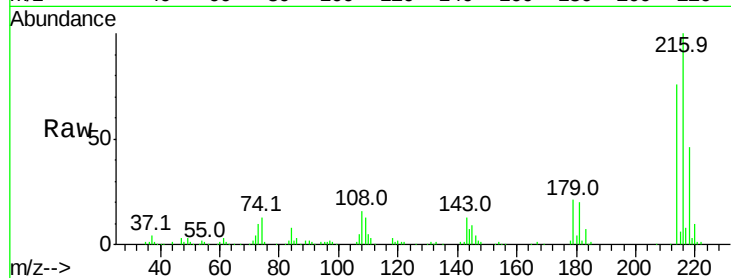
Tot Ion:216 Resp: 141693

Ion Ratio Lower Upper

216 100

214 76.2 62.5 93.7

218 46.1 38.4 57.6



Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 218.00 (217.70 to 218.70): E

