

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092317\
 Data File : BM011719.D
 Acq On : 23 Sep 2017 23:26
 Operator : SJ/JU
 Sample : I5324-05DL 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 25 04:48:37 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 04:47:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	154583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	570984	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.58	164	291076	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.32	188	634318	20.00	ng/ul	0.00
78) Chrysene-d12	21.49	240	738621	20.00	ng/ul	0.00
86) Perylene-d12	23.84	264	786287	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	3.39	96	373	0.11	ng/uL	0.00
5) Phenol-d5	7.10	99	8026	0.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.27	67	31604	3.16	ng/ul	0.00
9) 2-Chlorophenol-d4	7.48	132	26523	2.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.65	113	14964	1.29	ng/ul	0.00
19) Nitrobenzene-d5	9.11	128	15046	3.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.84	143	15153	3.36	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.37	165	27180	3.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	400	0.04	ng/ul	-0.12
44) Dimethylphthalate-d6	13.98	166	93981	3.82	ng/ul	0.00
47) Acenaphthylene-d8	14.27	160	97975	3.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.81	143	452	0.10	ng/ul	0.04
58) Fluorene-d10	15.57	176	73803	3.46	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	7608	2.06	ng/ul	0.00
71) Anthracene-d10	17.42	188	122993	3.94	ng/ul	0.00
79) Pyrene-d10	19.70	212	139064	4.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.70	264	138060	3.68	ng/ul	0.00

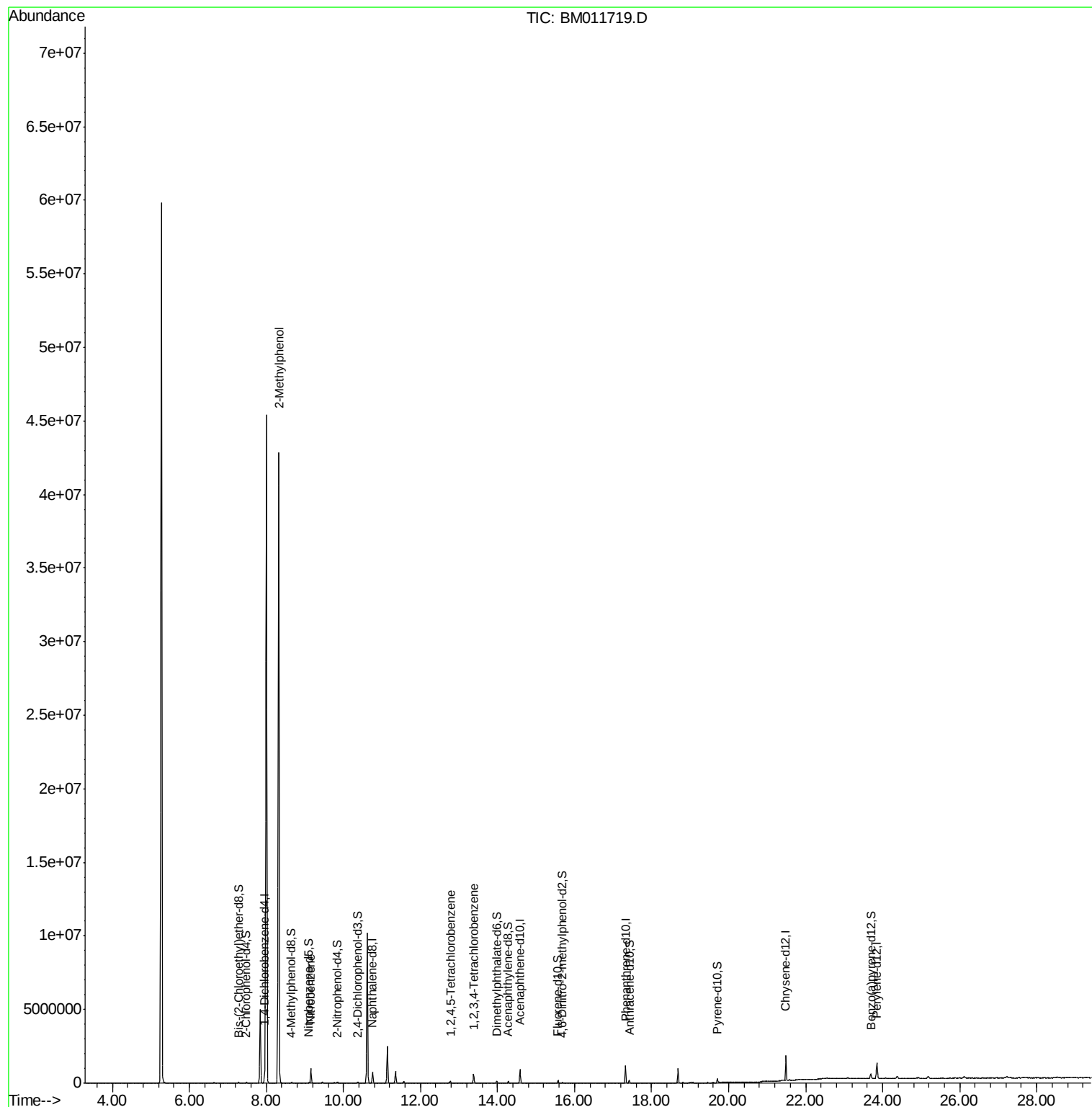
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 2-Methylphenol	8.32	108	143582	12.852	ng/ul	94
20) Nitrobenzene	9.15	77	512137	50.248	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.78	216	46104	5.340	ng/ul#	94
73) 1,2,3,4-Tetrachlorobenzene	13.38	216	170593	20.182	ng/uL	97

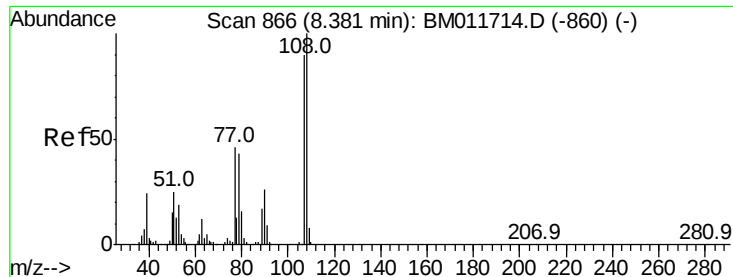
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 12.852 ng/ul

RT: 8.32 min Scan# 856

Delta R.T. -0.06 min

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Instrument :

BNA_M

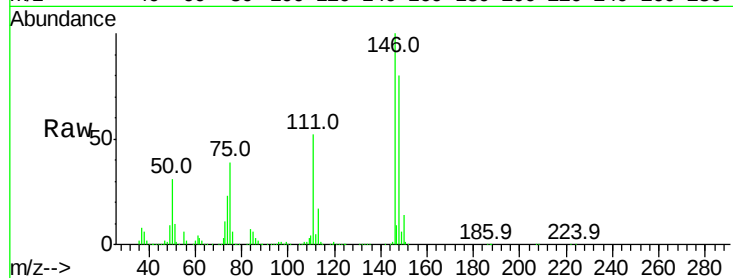
ClientSampled :

Tot Ion:108 Resp: 143582

Ion Ratio Lower Upper

108 100

107 98.1 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.32

80000

60000

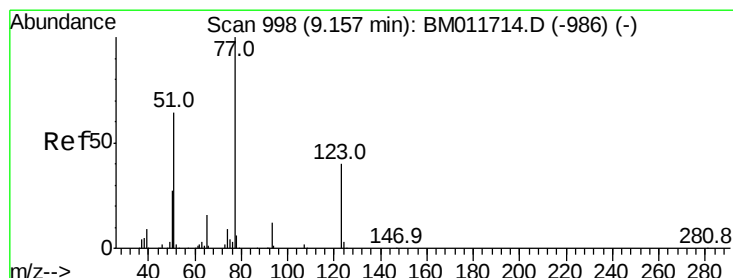
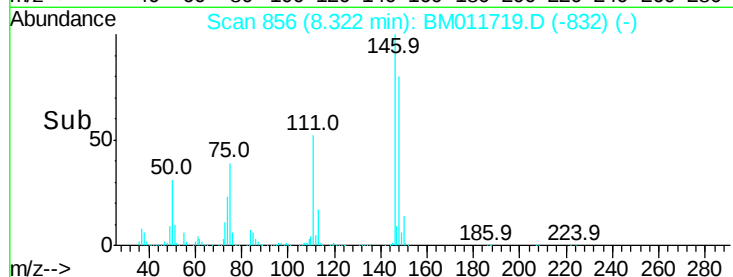
40000

20000

0

8.25 8.30 8.35

Time-->



#20

Nitrobenzene

Concen: 50.248 ng/ul

RT: 9.15 min Scan# 997

Delta R.T. -0.01 min

Lab File: BM011719.D

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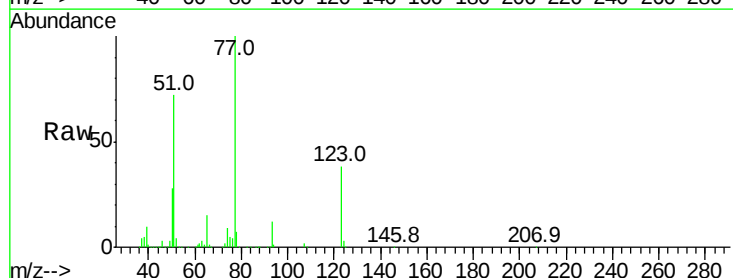
Tgt Ion: 77 Resp: 512137

Ion Ratio Lower Upper

77 100

123 38.3 31.8 47.8

65 15.3 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

400000

300000

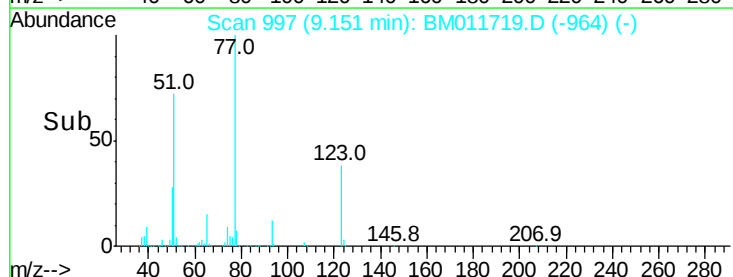
200000

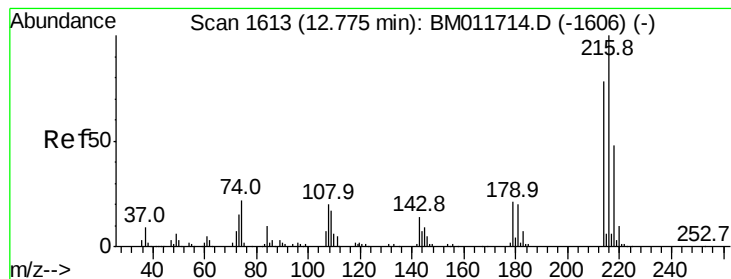
100000

0

9.10 9.15 9.20 9.25

Time-->





#37

1,2,4,5-Tetrachlorobenzene

Concen: 5.340 ng/ul

RT: 12.78 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BM011719.D

Acq: 23 Sep 2017 23:26

Instrument :

BNA_M

ClientSampleId :

Tot Ion:216 Resp: 46104

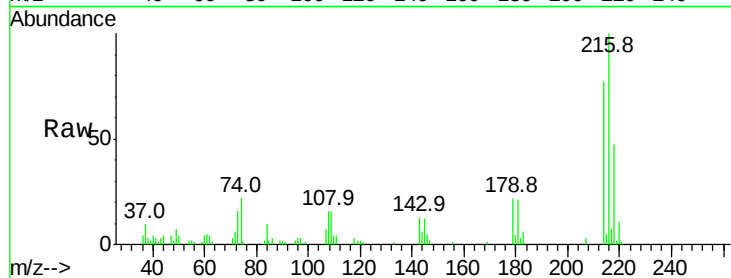
Ion Ratio Lower Upper

216 100

214 77.3 64.1 96.1

179 26.1 14.5 21.7#

108 15.6 10.4 15.6

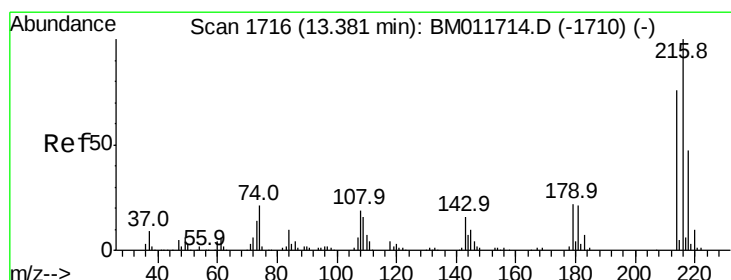
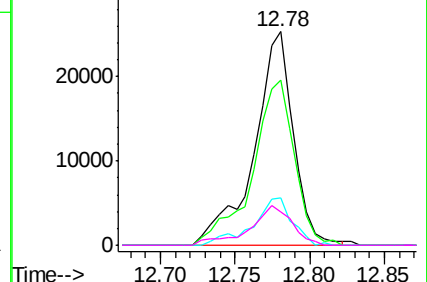
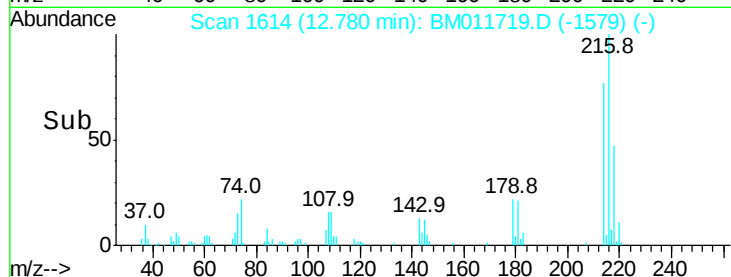


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#73

1,2,3,4-Tetrachlorobenzene

Concen: 20.182 ng/uL

RT: 13.38 min Scan# 1716

Delta R.T. -0.00 min

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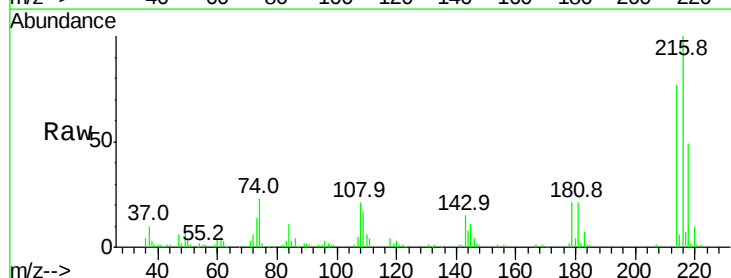
Tgt Ion:216 Resp: 170593

Ion Ratio Lower Upper

216 100

214 76.9 64.1 96.1

218 48.6 39.4 59.0



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

