

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092317\
 Data File : BM011704.D
 Acq On : 23 Sep 2017 14:17
 Operator : SJ/JU
 Sample : I5273-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 25 02:01:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 01:59:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	195264	20.00	ng/ul	0.05
18) Naphthalene-d8	10.77	136	690176	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.58	164	361461	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.32	188	780258	20.00	ng/ul	0.00
78) Chrysene-d12	21.49	240	870450	20.00	ng/ul	0.00
86) Perylene-d12	23.85	264	897206	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.38	96	19975	4.60	ng/uL	0.00
5) Phenol-d5	7.10	99	109723	5.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.29	67	379237	30.01	ng/ul	0.01
9) 2-Chlorophenol-d4	7.55	132	469	0.03	ng/ul	0.07
13) 4-Methylphenol-d8	8.72	113	458	0.03	ng/ul	0.08
19) Nitrobenzene-d5	9.12	128	206208	39.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.84	143	225867	41.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	357439	32.60	ng/ul	0.01
29) 4-Chloroaniline-d4	10.90	131	2051	0.17	ng/ul	0.02
44) Dimethylphthalate-d6	13.99	166	1150087	37.64	ng/ul	0.00
47) Acenaphthylene-d8	14.28	160	1234152	33.39	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	38436	6.69	ng/ul	0.00
58) Fluorene-d10	15.57	176	954302	36.05	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.69	200	171354	37.74	ng/ul	0.00
71) Anthracene-d10	17.42	188	1520222	39.57	ng/ul	0.00
79) Pyrene-d10	19.71	212	1737064	42.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.70	264	1608574	37.62	ng/ul	0.00

Target Compounds

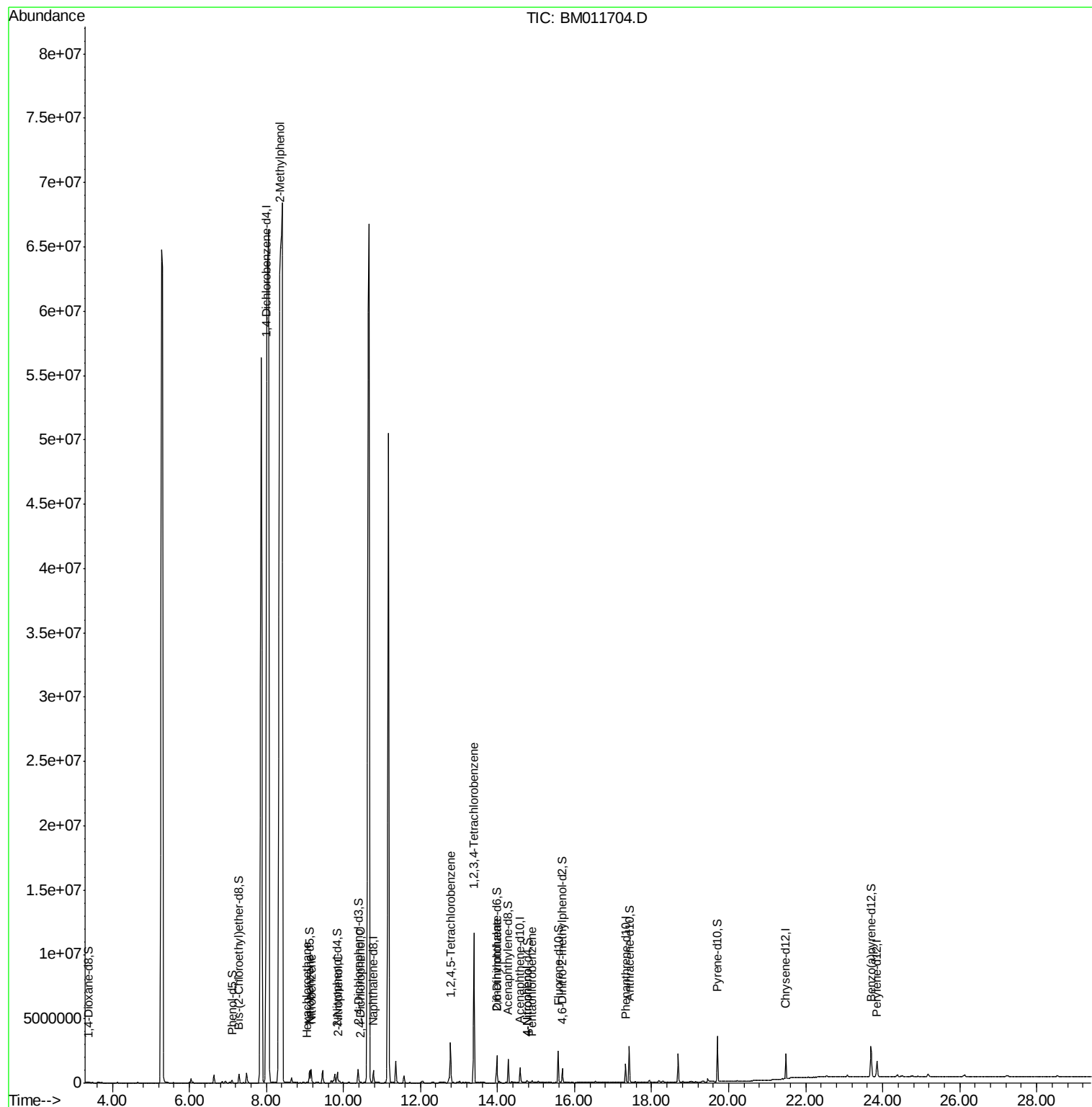
					Ovalue	
11) 2-Methylphenol	8.35	108	305684	21.662	ng/ul	98
17) Hexachloroethane	9.04	117	7909	1.501	ng/ul#	75
20) Nitrobenzene	9.16	77	542309	44.020	ng/ul	99
23) 2-Nitrophenol	9.87	139	21106	3.688	ng/ul	92
27) 2,4-Dichlorophenol	10.45	162	13655	1.292	ng/ul	91
37) 1,2,4,5-Tetrachlorobenzene	12.78	216	981932	91.578	ng/ul#	96
46) 2,6-Dinitrotoluene	13.99	165	6402	1.239	ng/ul#	44
53) 4-Nitrophenol	14.79	109	3749	1.016	ng/ul#	65
73) 1,2,3,4-Tetrachlorobenzene	13.39	216	3307764	318.137	ng/uL	99
74) Pentachlorobenzene	14.90	250	35073	3.326	ng/uL	96

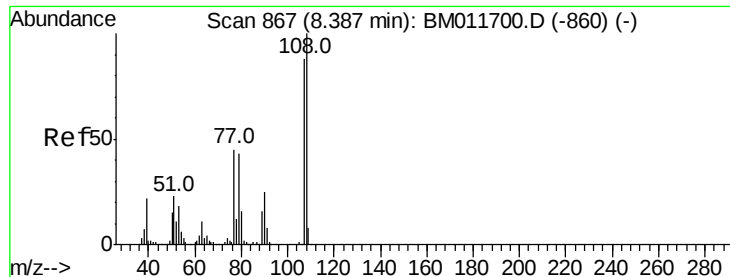
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 21.662 ng/ul

RT: 8.35 min Scan# 861

Delta R.T. -0.04 min

Lab File: BM011704.D

Acq: 23 Sep 2017 14:17

Instrument :

BNA_M

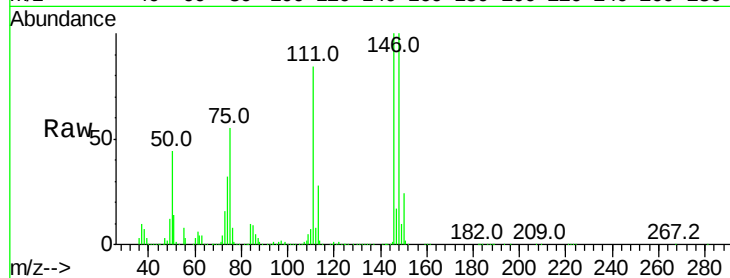
ClientSampleId :

Tot Ion:108 Resp: 305684

Ion Ratio Lower Upper

108 100

107 90.7 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

150000

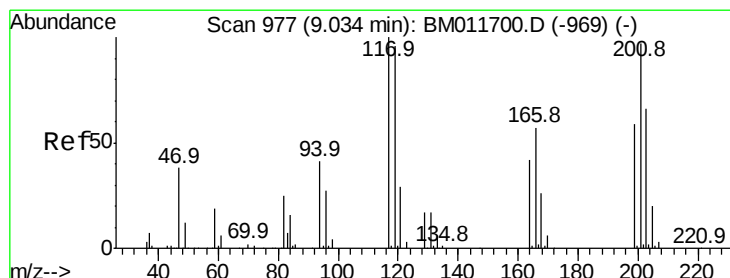
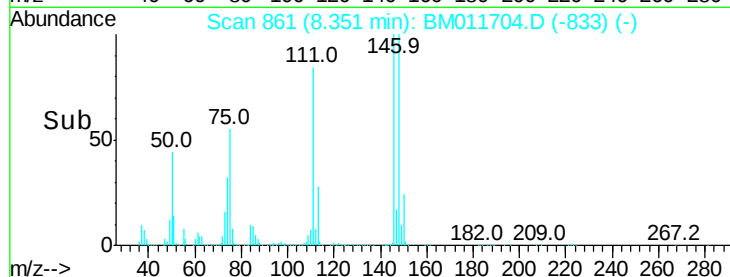
100000

50000

0

8.25 8.30 8.35

Time-->



#17

Hexachloroethane

Concen: 1.501 ng/ul

RT: 9.04 min Scan# 978

Delta R.T. 0.01 min

Lab File: BM011704.D

Acq: 23 Sep 2017 14:17

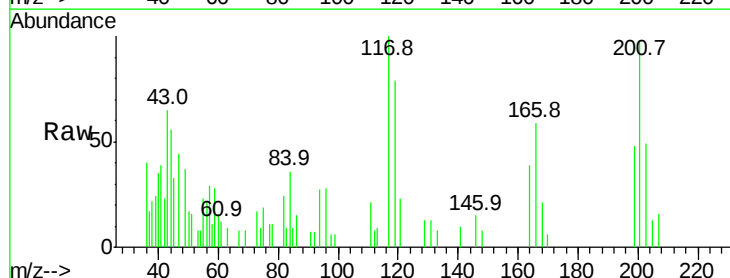
Tgt Ion:117 Resp: 7909

Ion Ratio Lower Upper

117 100

201 97.4 96.1 144.1

199 48.1 59.7 89.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

6000

5000

4000

3000

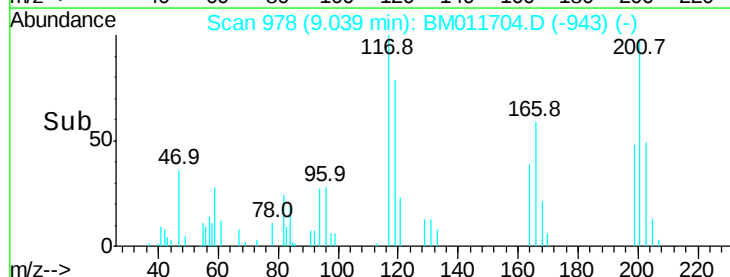
2000

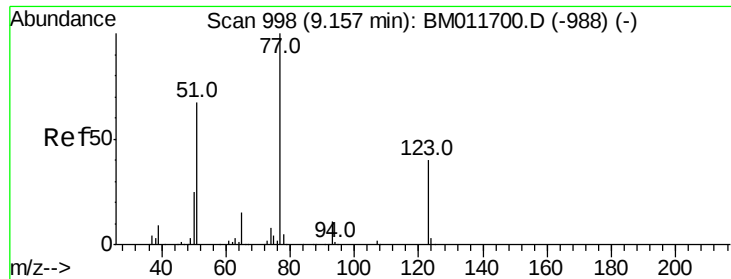
1000

0

9.00 9.05

Time-->

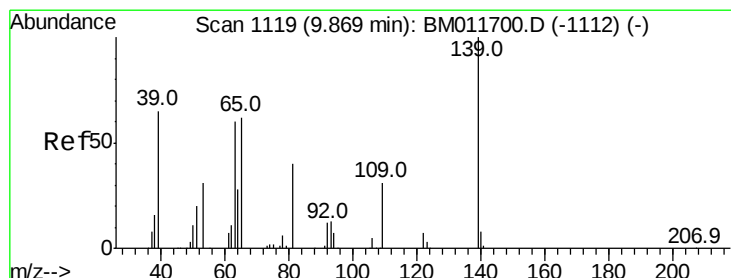
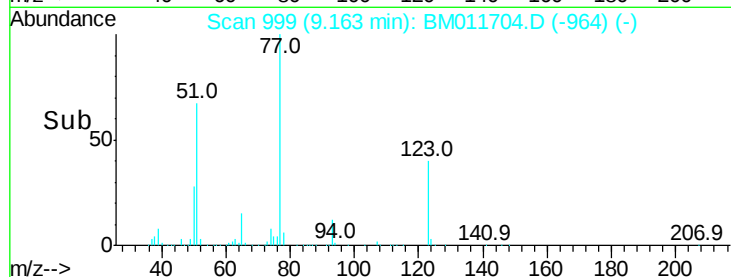
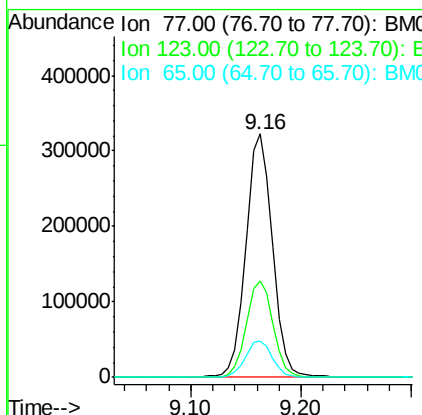
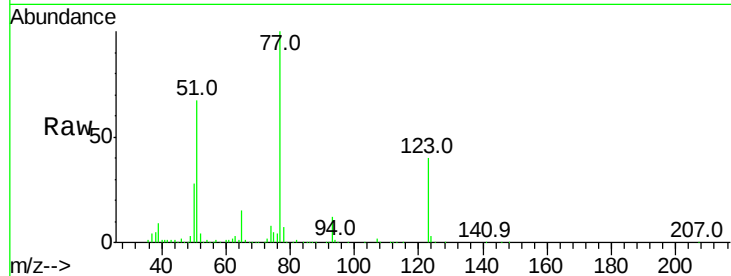




#20
Nitrobenzene
Concen: 44.020 ng/ul
RT: 9.16 min Scan# 999
Delta R.T. 0.01 min
Lab File: BM011704.D
Acq: 23 Sep 2017 14:17

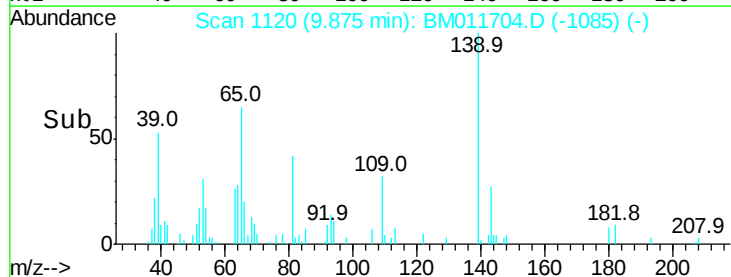
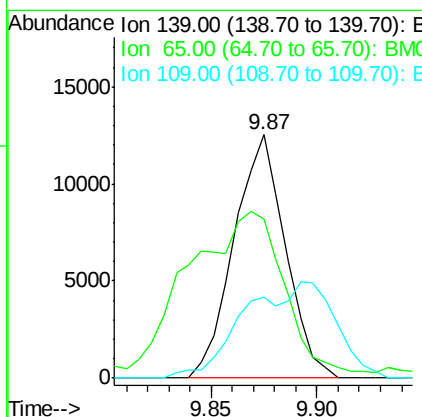
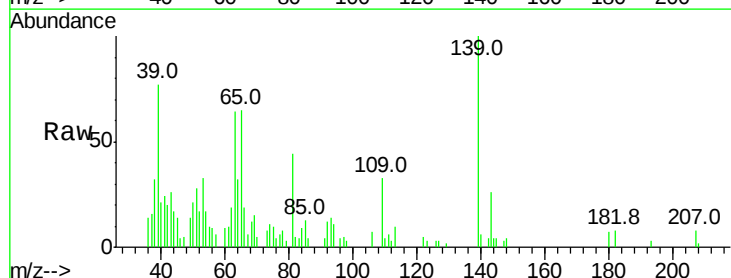
Instrument :
BNA_M
ClientSampleId :

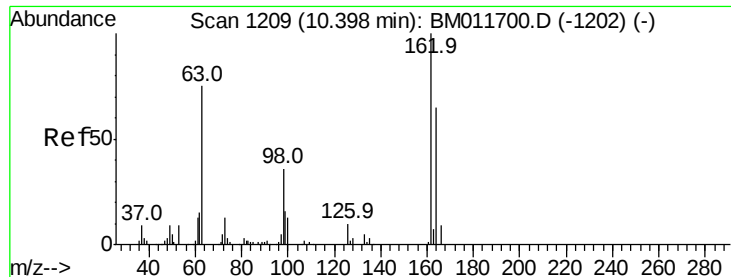
Tot Ion: 77 Resp: 542309
Ion Ratio Lower Upper
77 100
123 39.8 31.8 47.8
65 14.9 10.6 16.0



#23
2-Nitrophenol
Concen: 3.688 ng/ul
RT: 9.87 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BM011704.D
Acq: 23 Sep 2017 14:17

Tgt Ion: 139 Resp: 21106
Ion Ratio Lower Upper
139 100
65 65.3 45.3 67.9
109 33.3 27.7 41.5

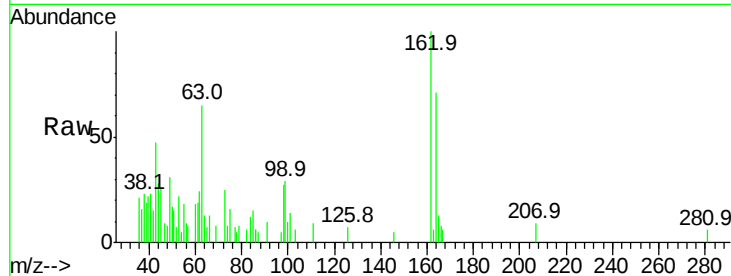




#27
 2,4-Dichlorophenol
 Concen: 1.292 ng/ul
 RT: 10.45 min Scan# 1218
 Delta R.T. 0.05 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	71.1	52.0	78.0
98	27.3	26.6	39.8

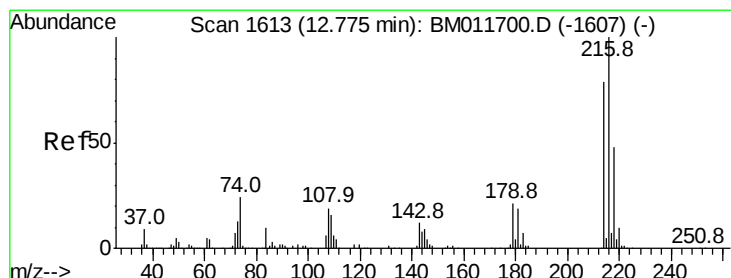
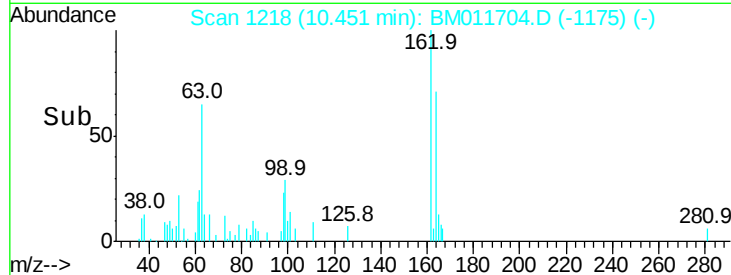
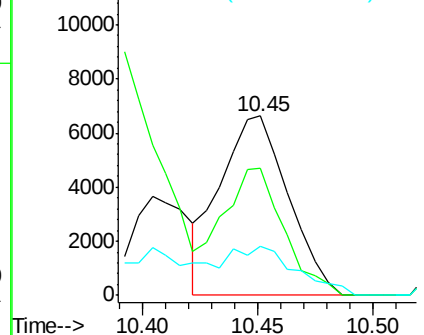


Abundance

Ion 162.00 (161.70 to 162.70): E

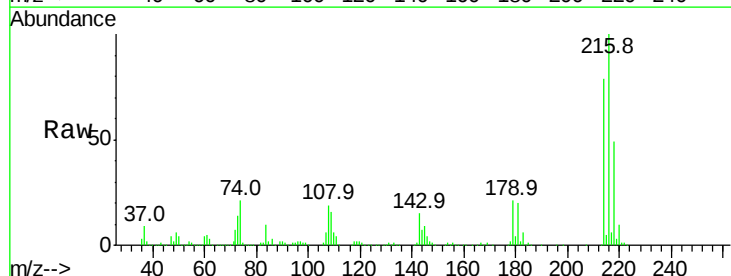
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 91.578 ng/ul
 RT: 12.78 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	64.1	96.1
179	20.5	14.5	21.7
108	18.6	10.4	15.6#



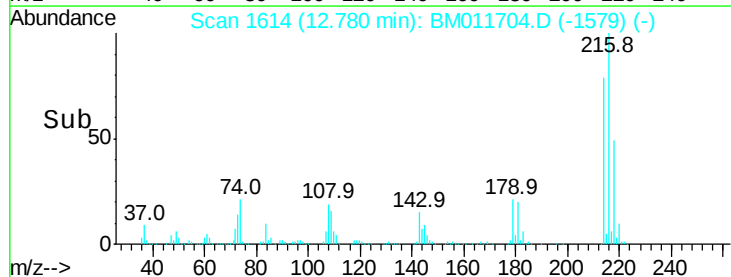
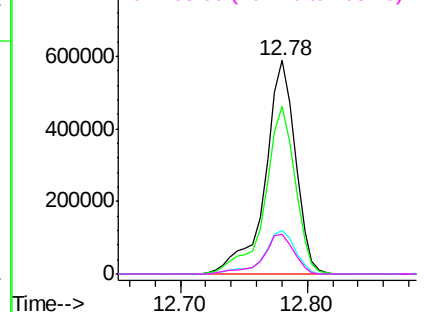
Abundance

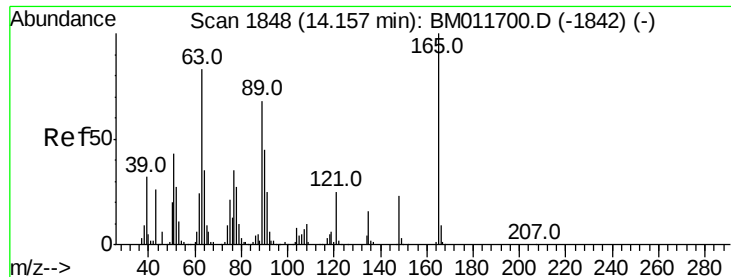
Ion 216.00 (215.70 to 216.70): E

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

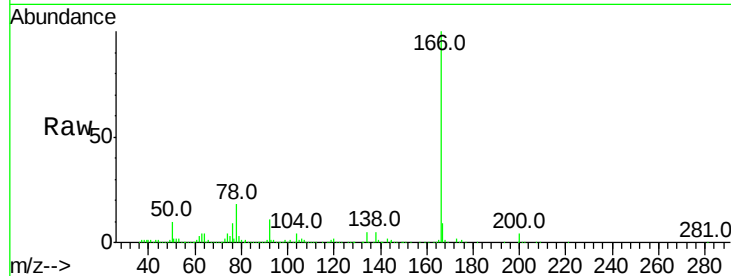




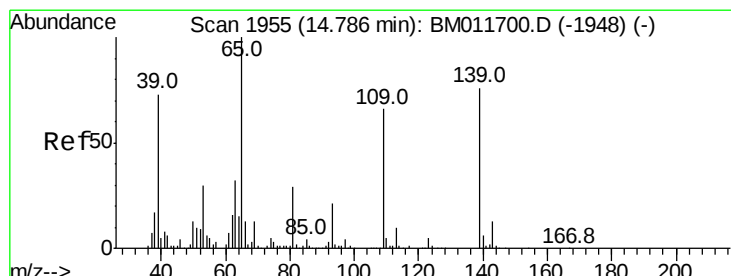
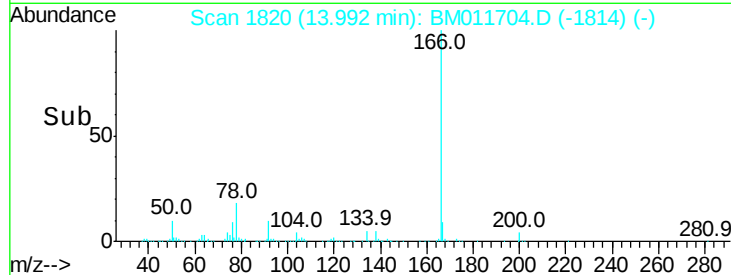
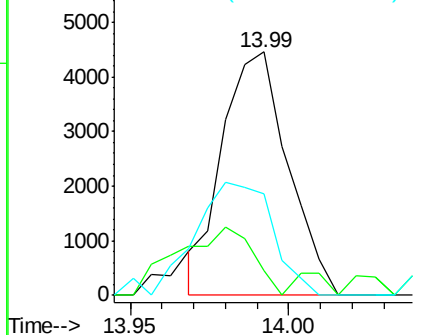
#46
 2,6-Dinitrotoluene
 Concen: 1.239 ng/ul
 RT: 13.99 min Scan# 1820
 Delta R.T. -0.16 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:165 Resp: 6402
 Ion Ratio Lower Upper
 165 100
 89 10.3 43.8 65.8#
 121 41.8 17.8 26.6#

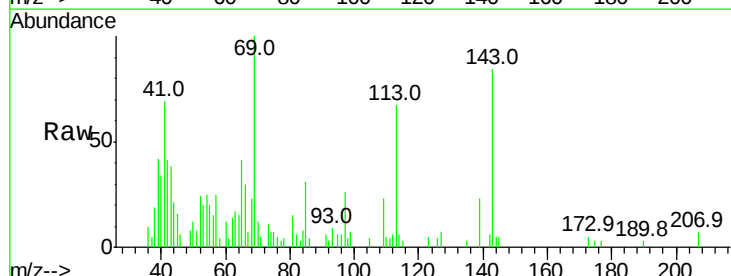


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM011704.D (-1842) (-)
 Ion 121.00 (120.70 to 121.70): E

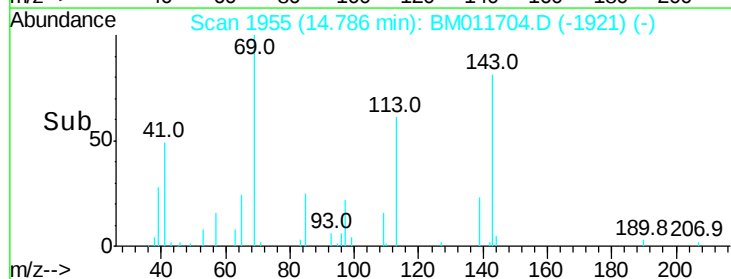
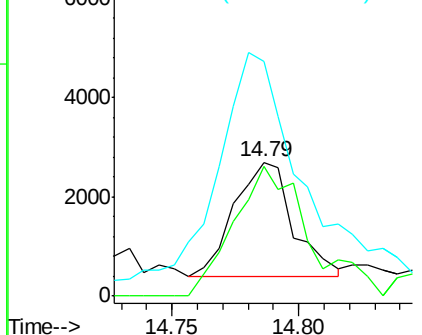


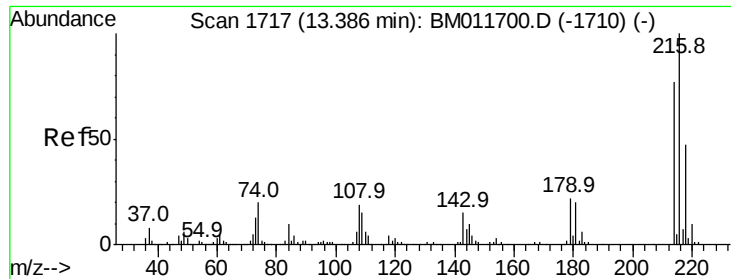
#53
 4-Nitrophenol
 Concen: 1.016 ng/ul
 RT: 14.79 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Tgt Ion:109 Resp: 3749
 Ion Ratio Lower Upper
 109 100
 139 97.3 91.2 136.8
 65 175.8 92.6 139.0#



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): BM011704.D (-1921) (-)

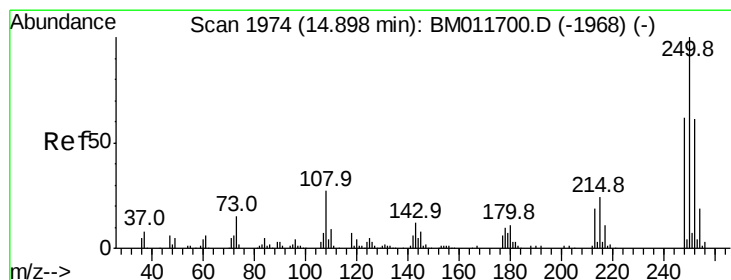
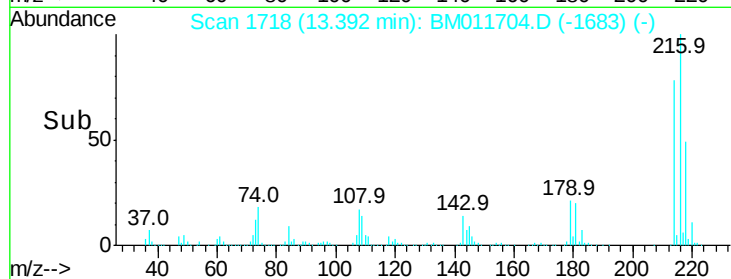
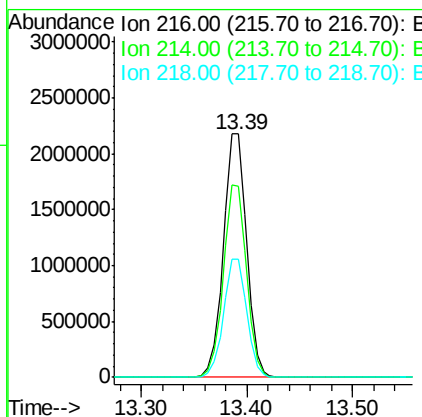
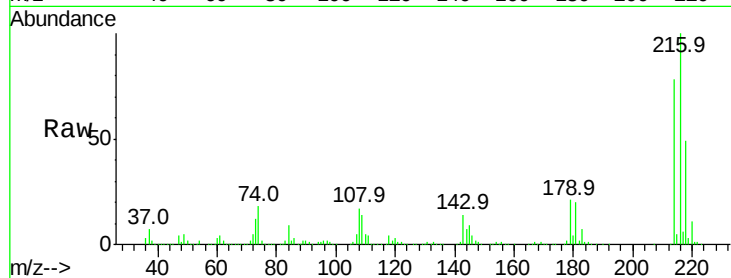




#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 318.137 ng/uL
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:216 Resp: 3307764
 Ion Ratio Lower Upper
 216 100
 214 78.5 64.1 96.1
 218 48.6 39.4 59.0



#74
 Pentachlorobenzene
 Concen: 3.326 ng/uL
 RT: 14.90 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BM011704.D
 Acq: 23 Sep 2017 14:17

Tgt Ion:250 Resp: 35073
 Ion Ratio Lower Upper
 250 100
 248 65.9 51.4 77.2
 252 66.6 49.8 74.6

