

Data Path : Z:\HPCHEM1\BNA M\DATA\BM091917\
 Data File : BM011620.D
 Acq On : 20 Sep 2017 00:41
 Operator : SJ/JU
 Sample : I5273-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ7

Quant Time: Sep 20 05:51:39 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 20 05:31:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	389382	20.00	ng/ul	0.02
18) Naphthalene-d8	10.79	136	1623528	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.60	164	963198	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2142666	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2249830	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	2019236	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	43578	5.03	ng/uL	0.00
5) Phenol-d5	7.12	99	249944	6.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.30	67	856278	33.98	ng/ul	0.01
9) 2-Chlorophenol-d4	7.50	132	766312	27.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	466258	15.97	ng/ul	0.00
19) Nitrobenzene-d5	9.13	128	489703	39.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	526462	41.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.39	165	892783	34.62	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	16253	0.57	ng/ul	0.02
44) Dimethylphthalate-d6	14.00	166	3186586	39.13	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3849070	39.08	ng/ul	0.00
52) 4-Nitrophenol-d4	14.78	143	87649	5.73	ng/ul	0.00
58) Fluorene-d10	15.59	176	2751499	39.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	466575	37.42	ng/ul	0.00
71) Anthracene-d10	17.43	188	4432972	42.01	ng/ul	0.00
79) Pyrene-d10	19.72	212	4901364	46.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	4124130	42.86	ng/ul	0.00

Target Compounds

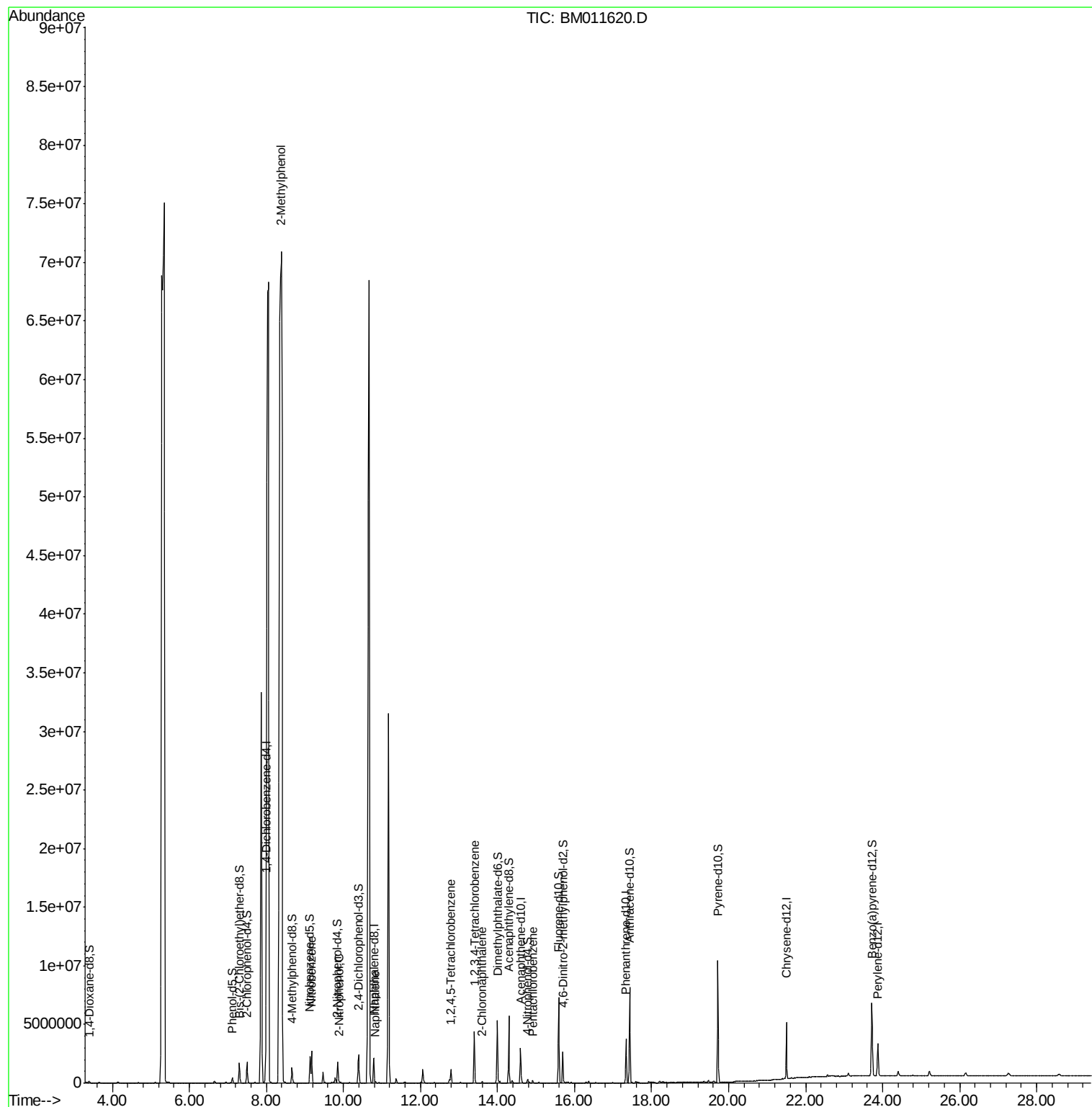
					Ovalue	
11) 2-Methylphenol	8.37	108	475114	16.884	ng/ul	99
20) Nitrobenzene	9.17	77	1353572	46.707	ng/ul	95
23) 2-Nitrophenol	9.89	139	22207	1.650	ng/ul#	93
28) Naphthalene	10.83	128	91694	1.089	ng/ul#	95
37) 1,2,4,5-Tetrachlorobenzene	12.79	216	424547	14.859	ng/ul#	96
42) 2-Chloronaphthalene	13.60	162	60906	1.010	ng/ul#	41
73) 1,2,3,4-Tetrachlorobenzene	13.40	216	1262551	44.219	ng/uL	97
74) Pentachlorobenzene	14.92	250	50320	1.738	ng/uL	93

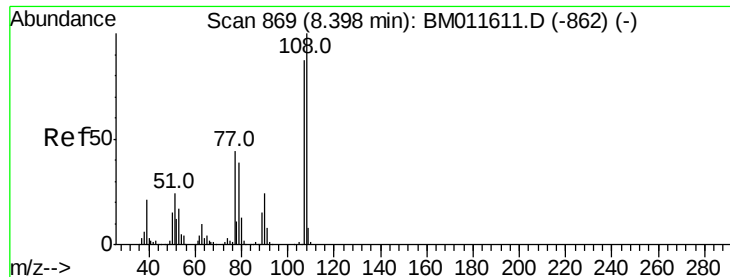
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 16.884 ng/ul

RT: 8.37 min Scan# 865

Delta R.T. -0.02 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

Instrument :

BNA_M

ClientSampleId :

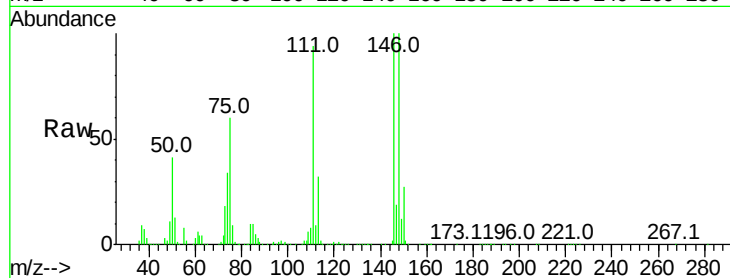
C0AJ7

Tot Ion:108 Resp: 475114

Ion Ratio Lower Upper

108 100

107 91.4 74.1 111.1



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.37

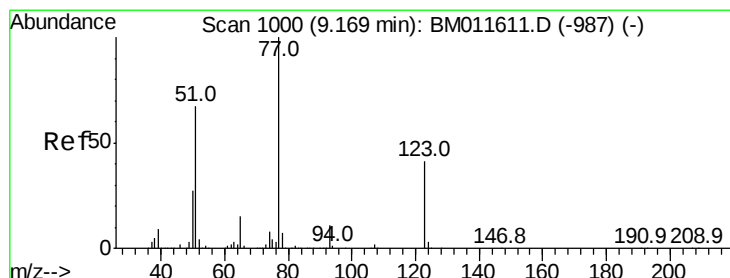
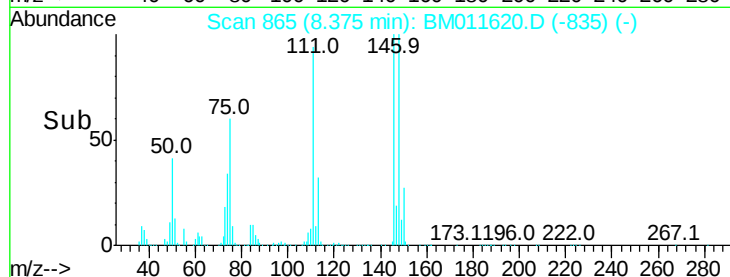
150000

100000

50000

0

Time--> 8.25 8.30 8.35 8.40



#20

Nitrobenzene

Concen: 46.707 ng/ul

RT: 9.17 min Scan# 1001

Delta R.T. 0.01 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

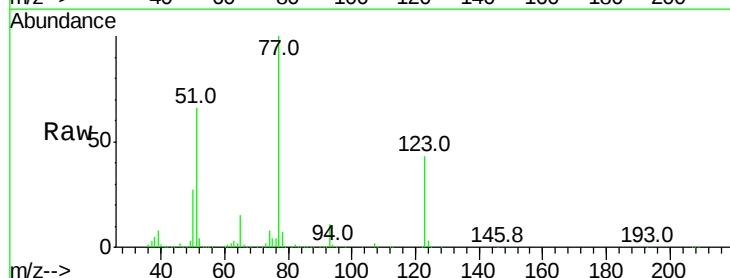
Tgt Ion: 77 Resp: 1353572

Ion Ratio Lower Upper

77 100

123 43.4 31.8 47.8

65 15.1 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

9.17

1000000

800000

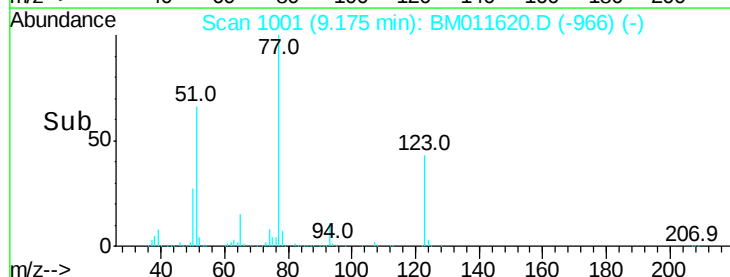
600000

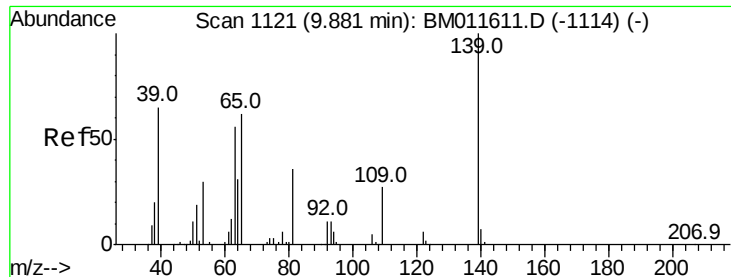
400000

200000

0

Time--> 9.10 9.20 9.30





#23

2-Nitrophenol

Concen: 1.650 ng/ul

RT: 9.89 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

Instrument :

BNA_M

ClientSampleId :

C0AJ7

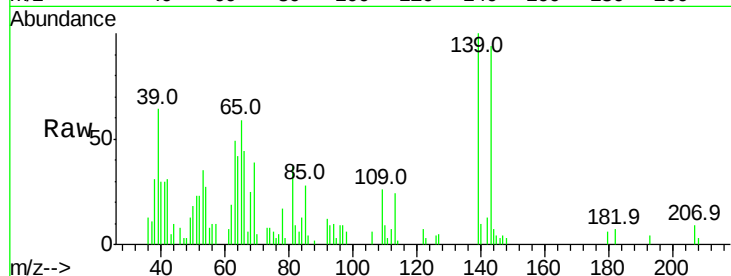
Tot Ion:139 Resp: 22207

Ion Ratio Lower Upper

139 100

65 58.6 45.3 67.9

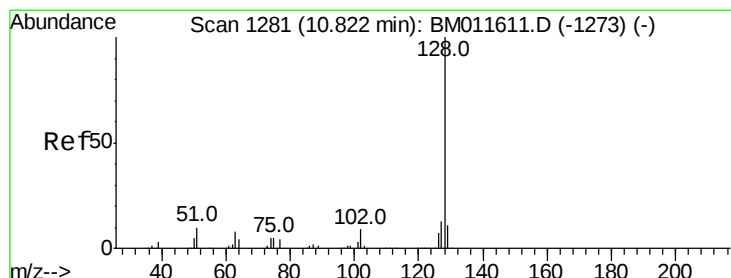
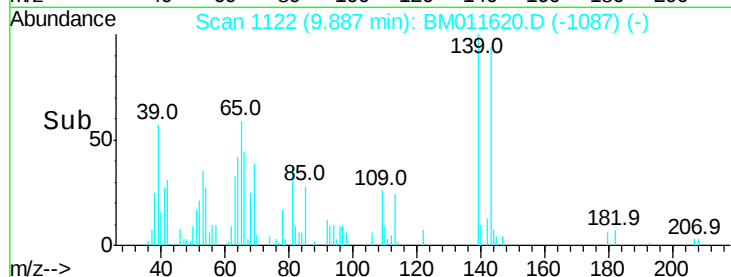
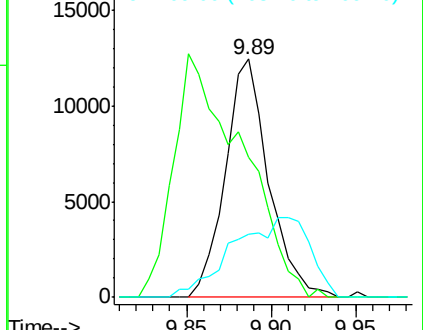
109 26.5 27.7 41.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 109.00 (108.70 to 109.70): E



#28

Naphthalene

Concen: 1.089 ng/ul

RT: 10.83 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

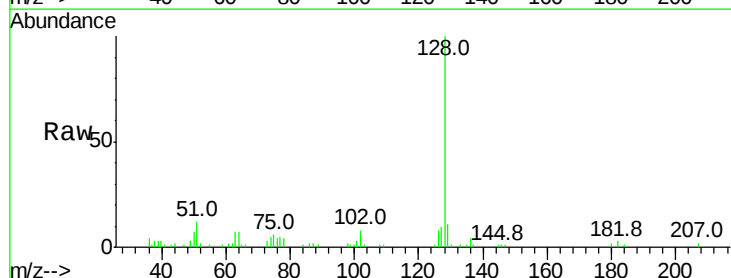
Tgt Ion:128 Resp: 91694

Ion Ratio Lower Upper

128 100

129 11.0 8.3 12.5

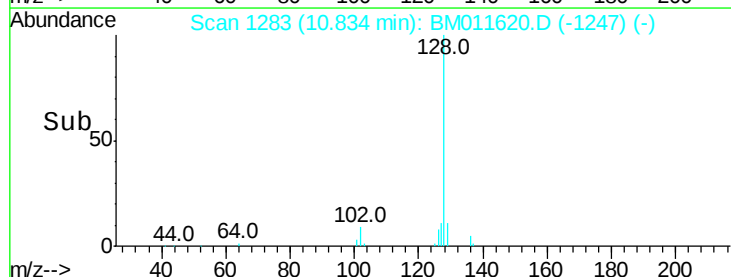
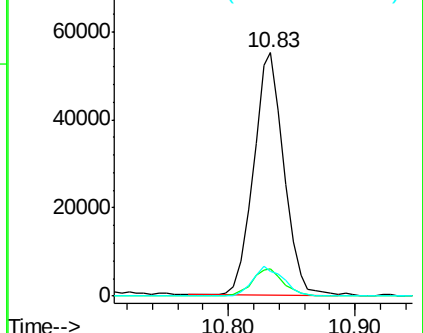
127 10.4 10.8 16.2#

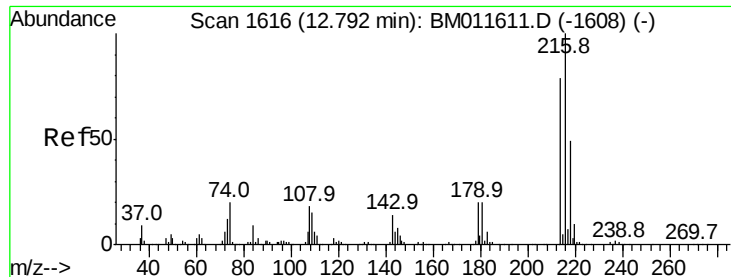


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

1,2,4,5-Tetrachlorobenzene

Concen: 14.859 ng/ul

RT: 12.79 min Scan# 1616

Delta R.T. 0.00 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

Instrument :

BNA_M

ClientSampleId :

C0AJ7

Tot Ion:216 Resp: 424547

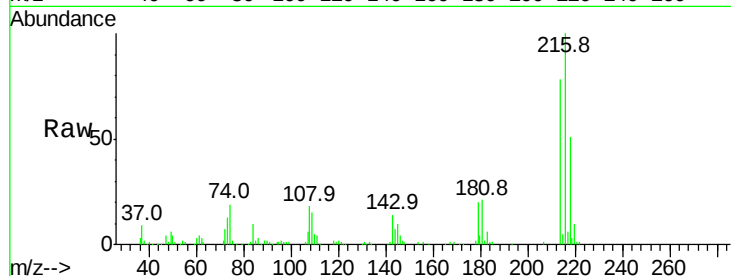
Ion Ratio Lower Upper

216 100

214 77.8 64.1 96.1

179 20.4 14.5 21.7

108 17.8 10.4 15.6#

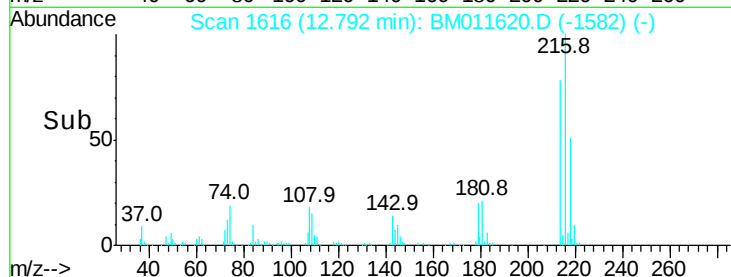


Abundance Ion 216.00 (215.70 to 216.70): E

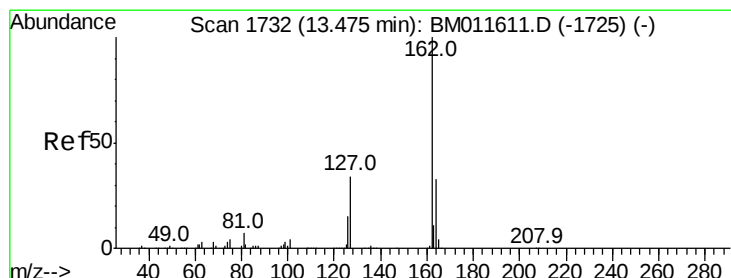
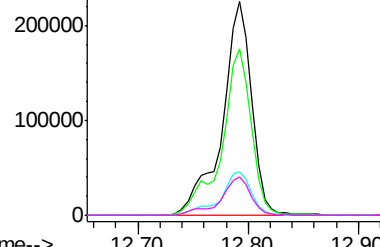
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#42

2-Chloronaphthalene

Concen: 1.010 ng/ul

RT: 13.60 min Scan# 1754

Delta R.T. 0.13 min

Lab File: BM011620.D

Acq: 20 Sep 2017 00:41

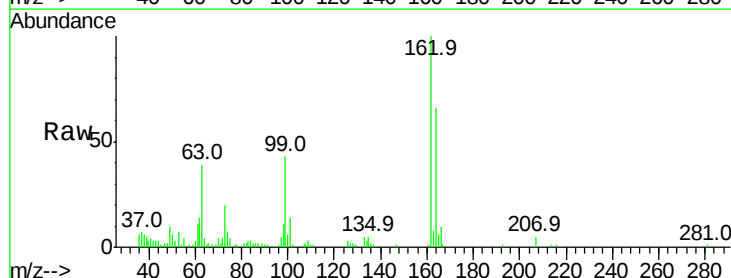
Tgt Ion:162 Resp: 60906

Ion Ratio Lower Upper

162 100

164 66.4 26.2 39.4#

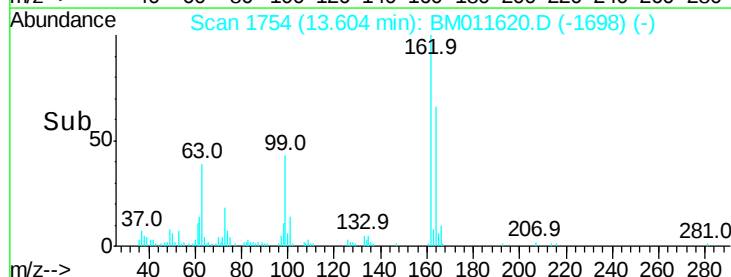
127 1.7 29.5 44.3#



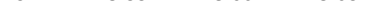
Abundance Ion 162.00 (161.70 to 162.70): E

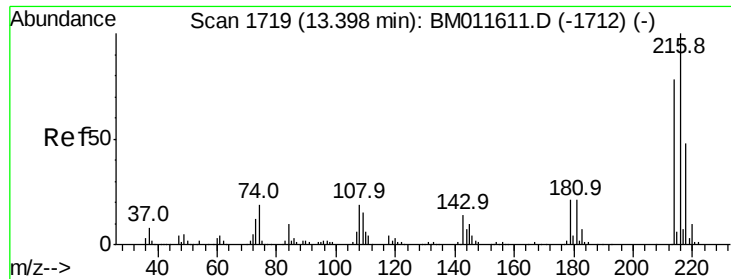
Ion 164.00 (163.70 to 164.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->

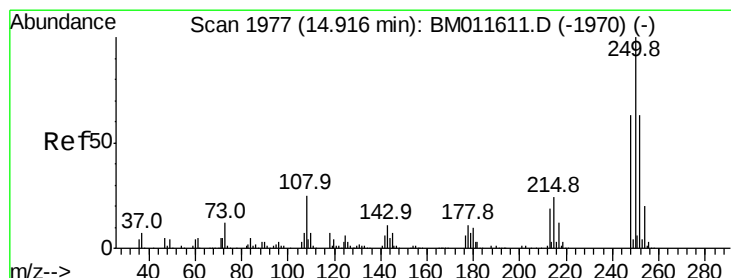
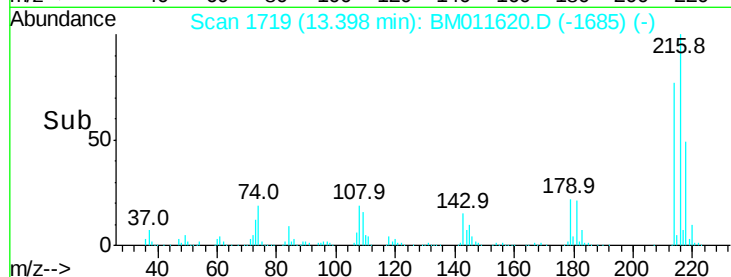
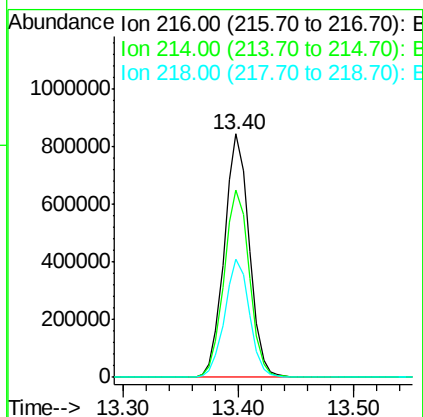
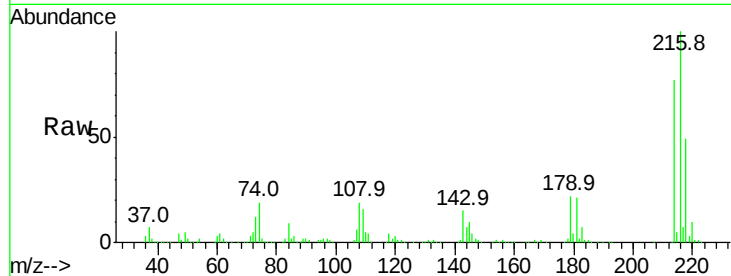




#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 44.219 ng/uL
 RT: 13.40 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BM011620.D
 Acq: 20 Sep 2017 00:41

Instrument :
 BNA_M
 ClientSampleId :
 C0AJ7

Tot Ion:216 Resp: 1262551
 Ion Ratio Lower Upper
 216 100
 214 76.9 64.1 96.1
 218 48.6 39.4 59.0



#74
 Pentachlorobenzene
 Concen: 1.738 ng/uL
 RT: 14.92 min Scan# 1977
 Delta R.T. 0.00 min
 Lab File: BM011620.D
 Acq: 20 Sep 2017 00:41

Tgt Ion:250 Resp: 50320
 Ion Ratio Lower Upper
 250 100
 248 59.2 51.4 77.2
 252 68.3 49.8 74.6

