

Data Path : Z:\HPCHEM1\BNA M\DATA\BM011618\
 Data File : BM013621.D
 Acq On : 16 Jan 2018 14:04
 Operator : SJ/JU
 Sample : J1079-01DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jan 17 00:59:34 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 17 00:57:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	135969	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	527477	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.27	164	277594	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.02	188	634903	20.00	ng/ul	0.00
75) Chrysene-d12	21.22	240	696579	20.00	ng/ul	0.00
83) Perylene-d12	23.42	264	724984	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	1589	0.46	ng/uL	0.00
5) Phenol-d5	6.81	99	14858	1.42	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.97	67	9563	1.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.16	132	12485	1.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	7763	0.97	ng/ul	0.01
19) Nitrobenzene-d5	8.78	128	5523	1.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.50	143	4772	1.10	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.05	165	9117	1.09	ng/ul	0.02
29) 4-Chloroaniline-d4	10.56	131	6633	0.92	ng/ul	0.02
43) Dimethylphthalate-d6	13.69	166	42266	1.85	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	49783	1.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	2790	0.75	ng/ul	0.00
57) Fluorene-d10	15.27	176	41922	2.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	240	0.06	ng/ul	-0.06
70) Anthracene-d10	17.12	188	57233	1.85	ng/ul	0.00
76) Pyrene-d10	19.42	212	69954	2.16	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.28	264	64464	1.93	ng/ul	0.00

Target Compounds

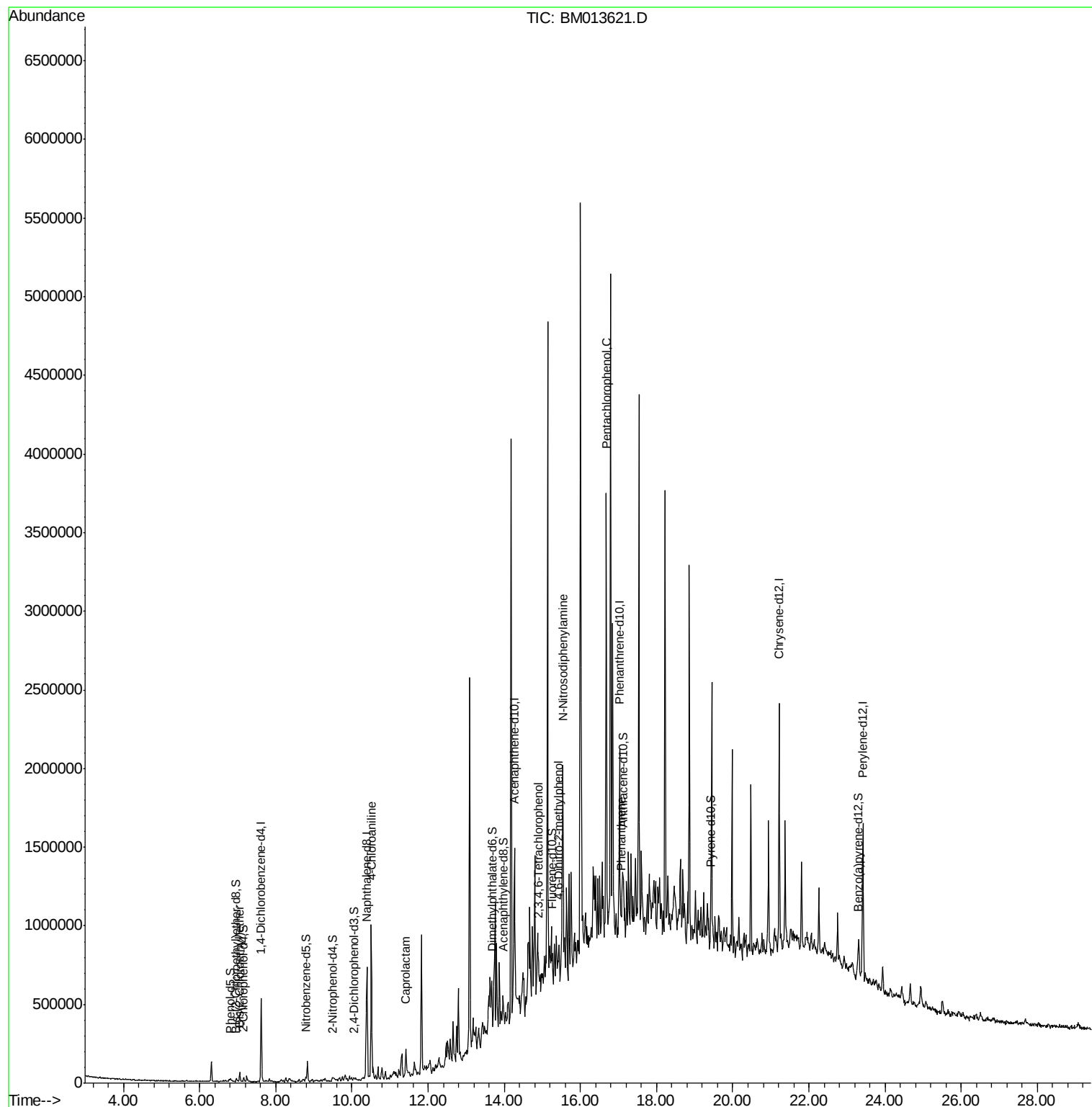
					Ovalue	
8) Bis(2-Chloroethyl)ether	7.06	93	10614	1.296	ng/ul#	23
30) 4-Chloroaniline	10.51	127	77901	10.838	ng/ul#	45
32) Caprolactam	11.42	113	6112	2.729	ng/ul	95
55) 2,3,4,6-Tetrachlorophenol	14.91	232	9390	1.611	ng/ul#	9
63) 4,6-Dinitro-2-methylphenol	15.43	198	14657	3.634	ng/ul#	23
64) N-Nitrosodiphenylamine	15.54	169	63751	3.414	ng/ul#	45
68) Pentachlorophenol	16.68	266	451529	105.268	ng/ul	97
69) Phenanthrene	17.07	178	47680	1.351	ng/ul#	76

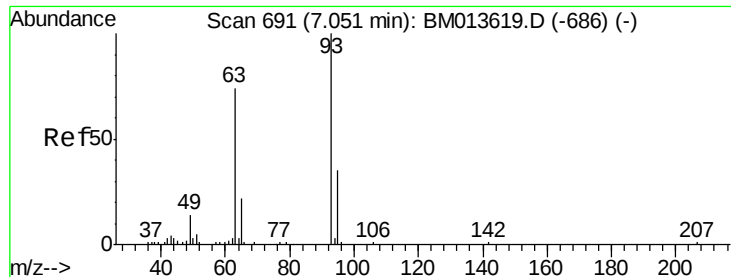
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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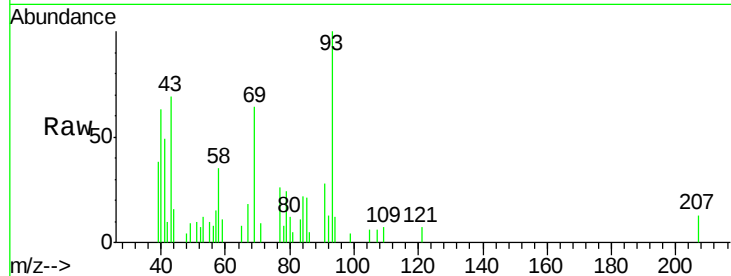


#8

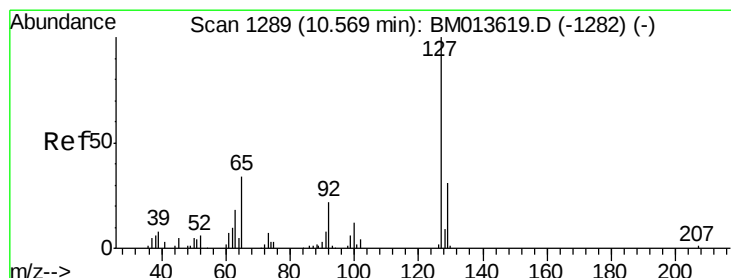
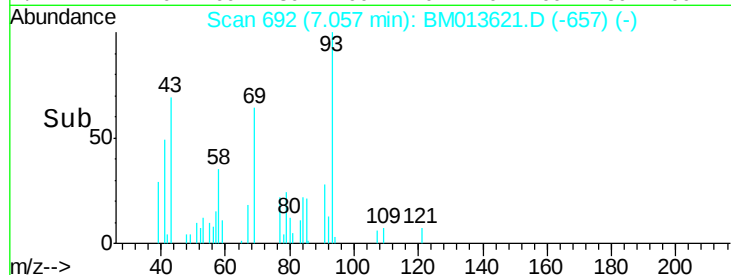
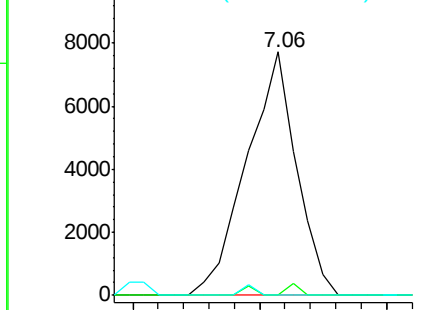
Bis(2-Chloroethyl)ether
 Concen: 1.296 ng/ul
 RT: 7.06 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: BM013621.D
 Acq: 16 Jan 2018 14:04

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	93	Resp	10614
Ion Ratio	Lower	Upper	
93	100		
63	0.0	57.3	85.9#
95	0.0	26.6	39.8#



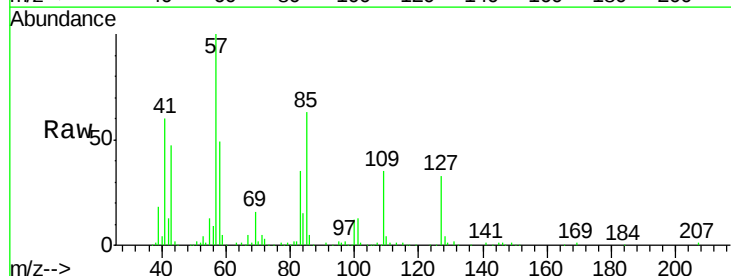
Abundance Ion 93.00 (92.70 to 93.70): BM013621.D (-657) (-)
 Ion 63.00 (62.70 to 63.70): BM013621.D (-657) (-)
 Ion 95.00 (94.70 to 95.70): BM013621.D (-657) (-)



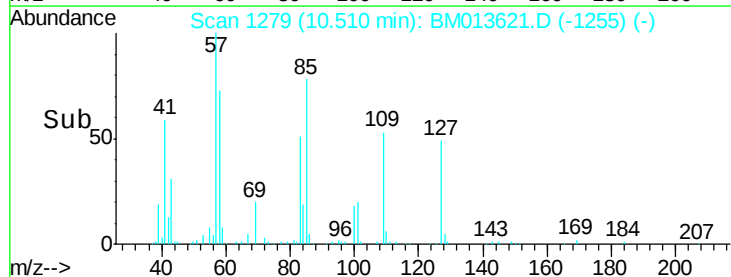
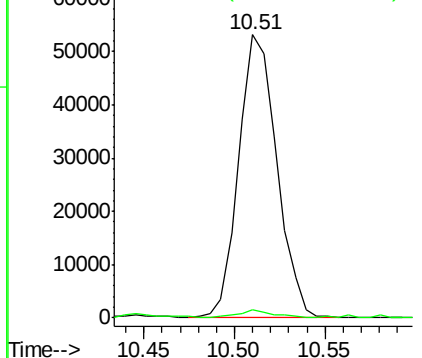
#30

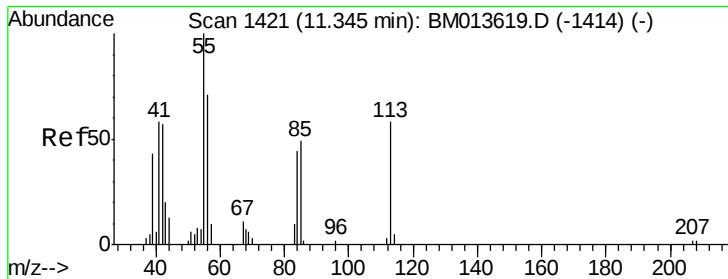
4-Chloroaniline
 Concen: 10.838 ng/ul
 RT: 10.51 min Scan# 1279
 Delta R.T. -0.06 min
 Lab File: BM013621.D
 Acq: 16 Jan 2018 14:04

Tgt Ion	127	Resp	77901
Ion Ratio	Lower	Upper	
127	100		
129	3.1	28.4	42.6#



Abundance Ion 127.00 (126.70 to 127.70): BM013621.D (-1255) (-)
 Ion 129.00 (128.70 to 129.70): BM013621.D (-1255) (-)





#32

Caprolactam

Concen: 2.729 ng/ul

RT: 11.42 min Scan# 1433

Delta R.T. 0.07 min

Lab File: BM013621.D

Acq: 16 Jan 2018 14:04

Instrument :

BNA_M

ClientSampleId :

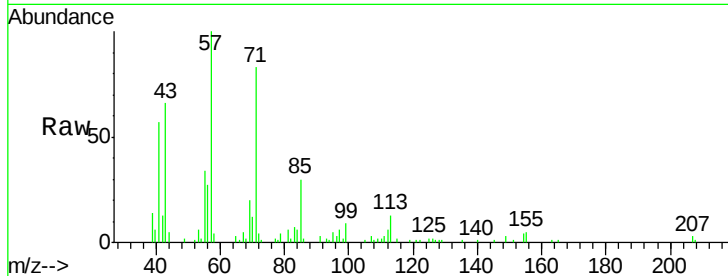
Tot Ion:113 Resp: 6112

Ion Ratio Lower Upper

113 100

55 264.8 208.0 312.0

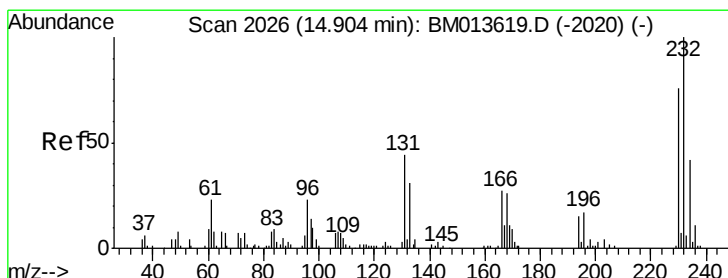
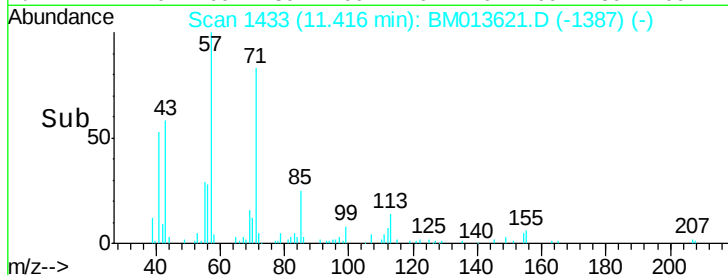
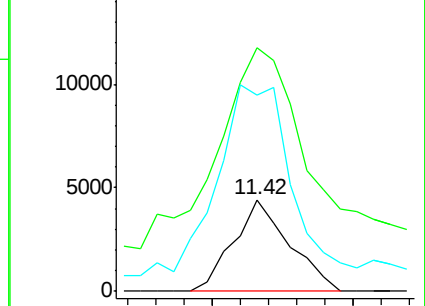
56 213.3 160.0 240.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.611 ng/ul

RT: 14.91 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM013621.D

Acq: 16 Jan 2018 14:04

Tgt Ion:232 Resp: 9390

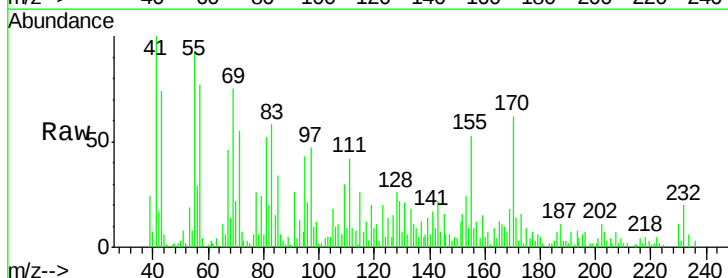
Ion Ratio Lower Upper

232 100

131 104.7 29.0 43.4#

130 33.5 2.0 3.0#

166 55.6 21.4 32.2#

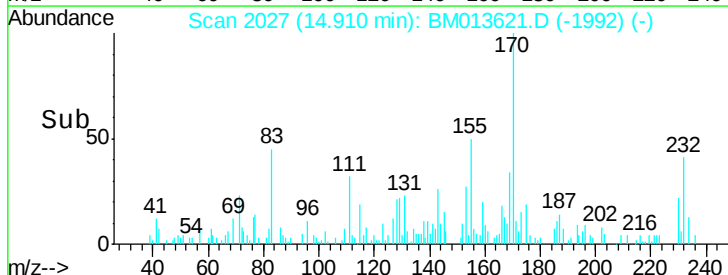
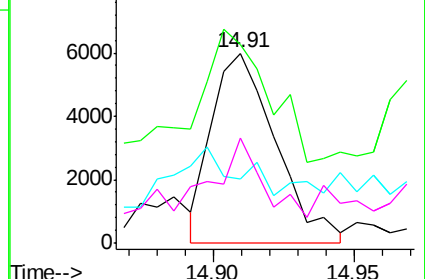


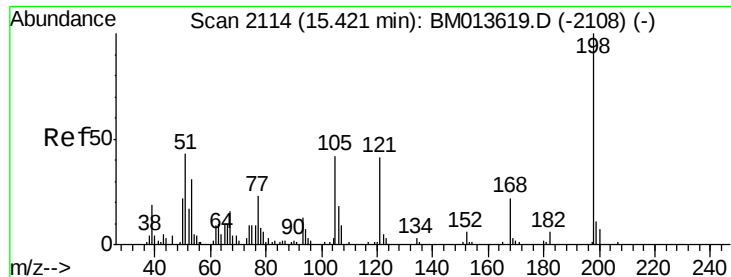
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#63

4,6-Dinitro-2-methylphenol

Concen: 3.634 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BM013621.D

Acq: 16 Jan 2018 14:04

Instrument :

BNA_M

ClientSampleId :

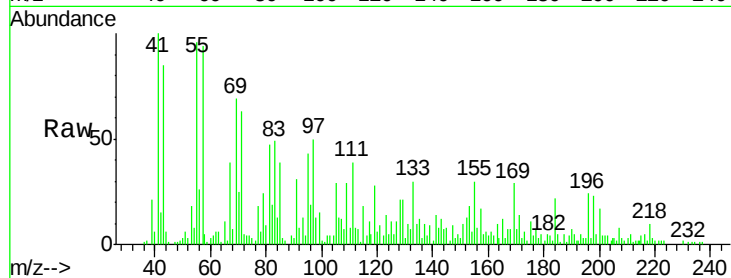
Tot Ion:198 Resp: 14657

Ion Ratio Lower Upper

198 100

182 18.0 3.8 5.6#

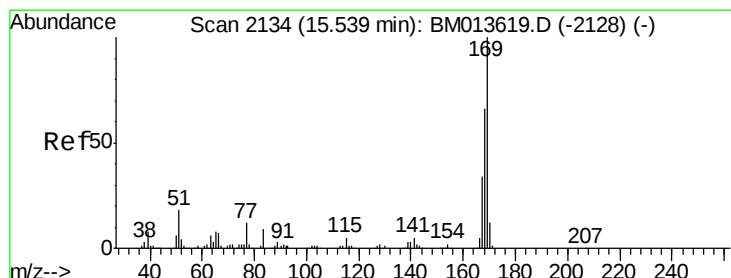
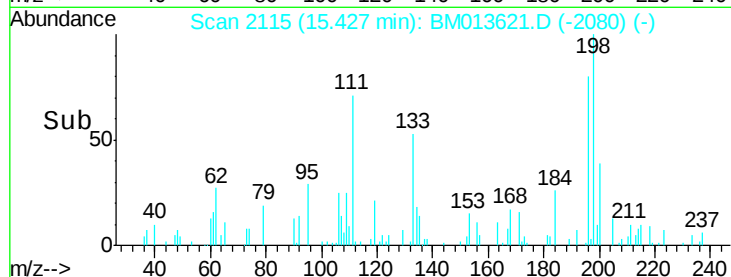
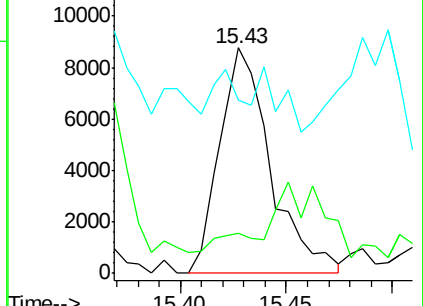
77 77.0 25.2 37.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM



#64

N-Nitrosodiphenylamine

Concen: 3.414 ng/ul

RT: 15.54 min Scan# 2134

Delta R.T. 0.00 min

Lab File: BM013621.D

Acq: 16 Jan 2018 14:04

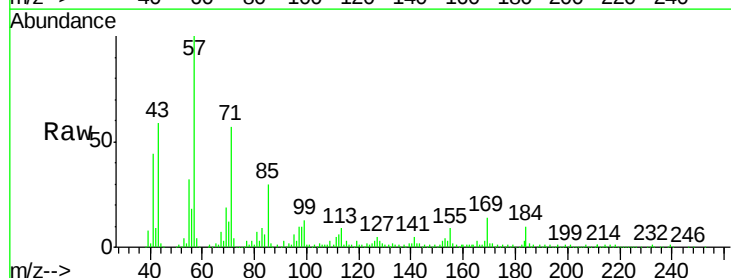
Tgt Ion:169 Resp: 63751

Ion Ratio Lower Upper

169 100

168 19.5 54.0 81.0#

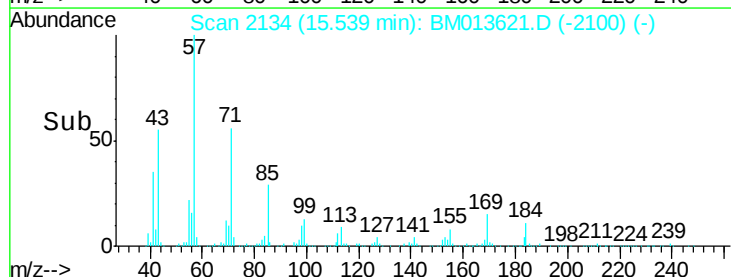
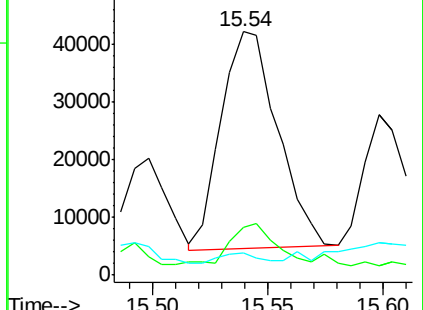
167 9.3 29.1 43.7#

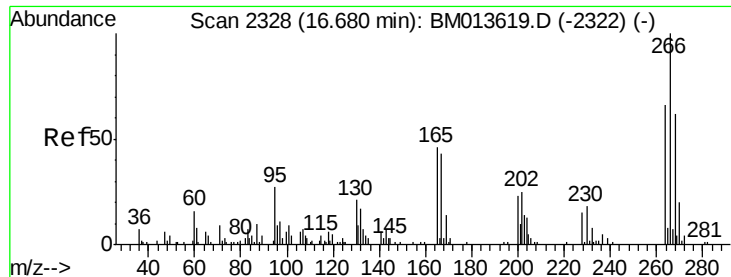


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

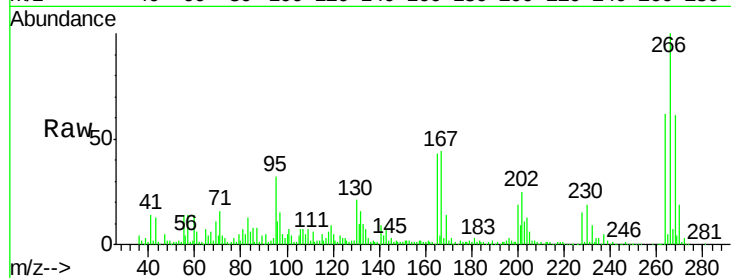




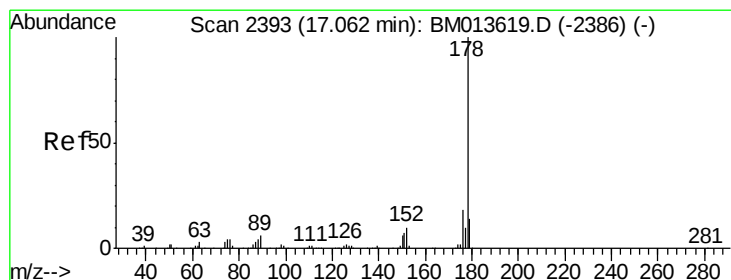
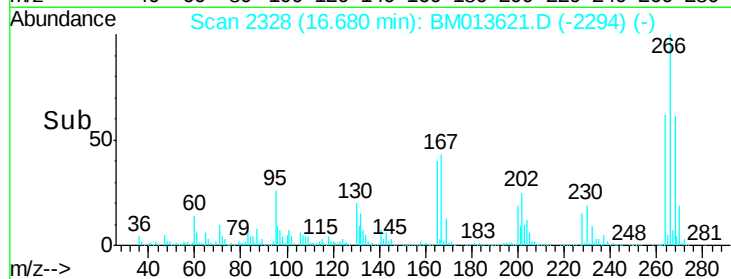
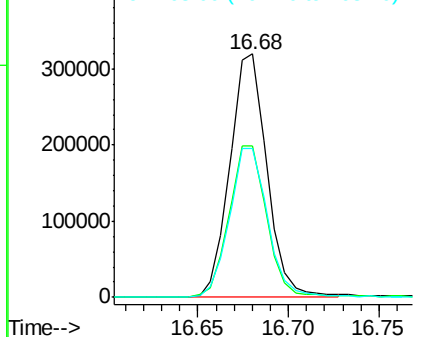
#68
 Pentachlorophenol
 Concen: 105.268 ng/ul
 RT: 16.68 min Scan# 2328
 Delta R.T. 0.00 min
 Lab File: BM013621.D
 Acq: 16 Jan 2018 14:04

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
264	62.2	49.3	73.9
268	61.3	52.6	78.8

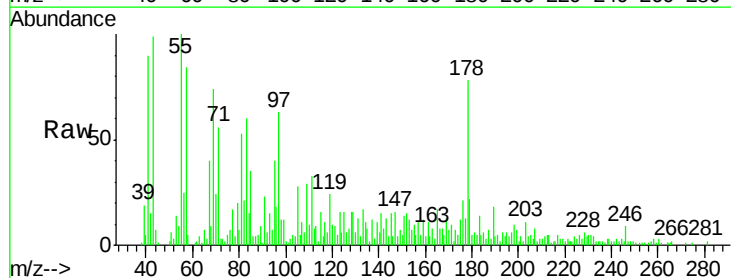


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 1.351 ng/ul
 RT: 17.07 min Scan# 2394
 Delta R.T. 0.01 min
 Lab File: BM013621.D
 Acq: 16 Jan 2018 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
179	28.4	12.6	19.0#
176	27.1	14.9	22.3#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

