

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031616\
 Data File : BM004649.D
 Acq On : 16 Mar 2016 23:33
 Operator : UM/SJ
 Sample : H1783-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 02:01:28 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM031516.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 17 01:59:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	47611	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	290946	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.47	164	158474	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	359137	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	415113	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	389889	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	1940	1.41	ng/uL	0.00
5) Phenol-d5	7.00	99	37021	9.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	110059	49.63	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	119725	38.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	68133	21.60	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	69906	34.55	ng/ul	0.01
22) 2-Nitrophenol-d4	9.72	143	71611	32.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	128107	29.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	905	0.18	ng/ul	0.01
44) Dimethylphthalate-d6	13.89	166	425698	34.36	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	527920	34.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	10326	4.31	ng/ul	0.00
58) Fluorene-d10	15.47	176	381667	35.35	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	48716	25.81	ng/ul	0.00
71) Anthracene-d10	17.32	188	602751	36.45	ng/ul	0.00
79) Pyrene-d10	19.61	212	702352	37.06	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.55	264	710789	40.82	ng/ul	0.00

Target Compounds

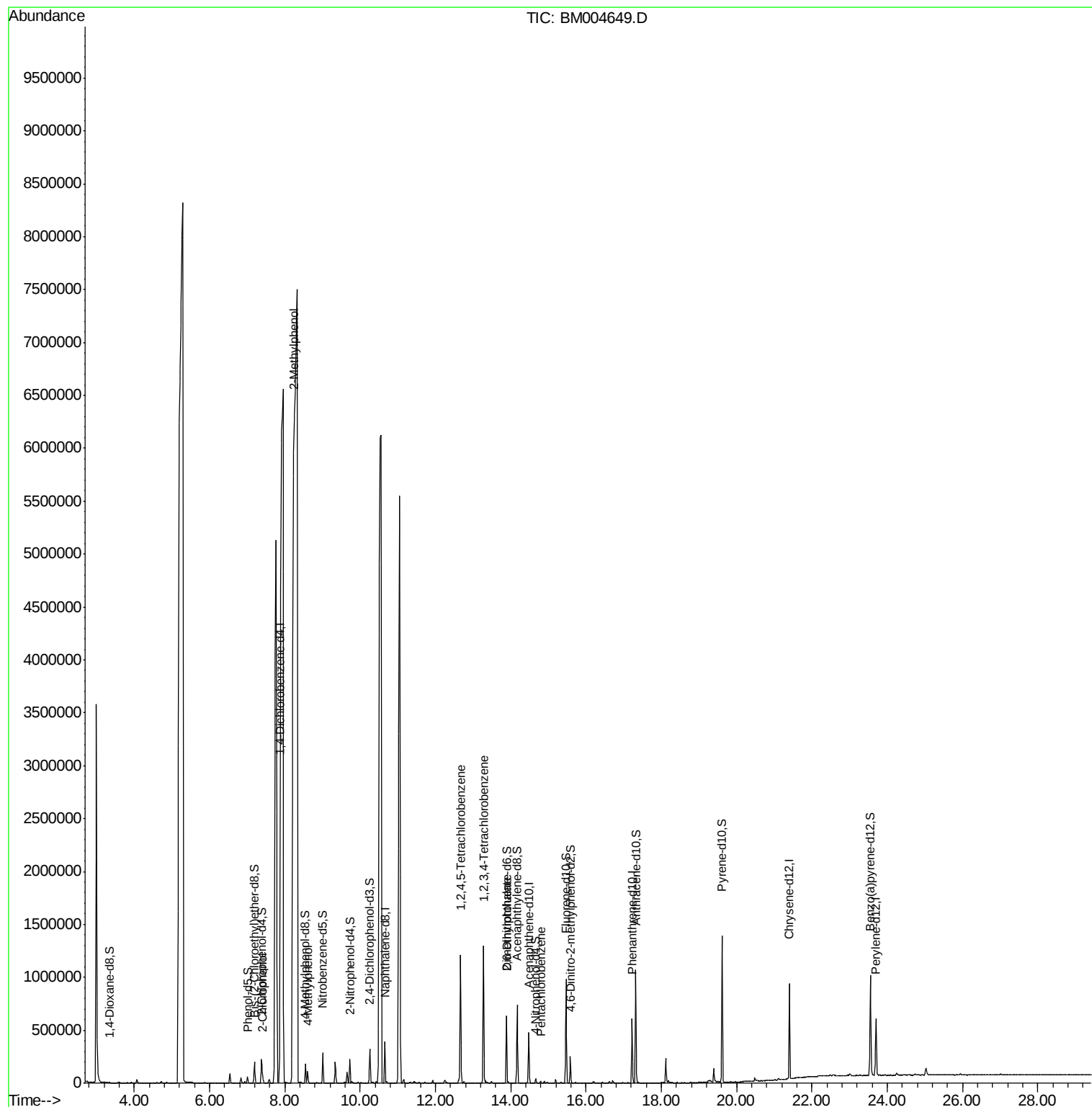
						Ovalue
10) 2-Chlorophenol	7.42	128	20947	6.30	ng/ul	97
11) 2-Methylphenol	8.23	108	32898	10.40	ng/ul	97
16) 4-Methylphenol	8.60	108	41055	11.79	ng/ul	87
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	392900	77.61	ng/ul	99
46) 2,6-Dinitrotoluene	13.89	165	2856	1.28	ng/ul#	39
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	394170	79.77	ng/uL	99
74) Pentachlorobenzene	14.79	250	6421	1.35	ng/uL	99

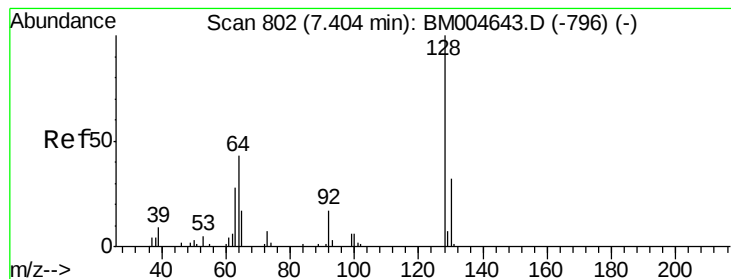
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

2-Chlorophenol

Concen: 6.30 ng/ul

RT: 7.42 min Scan# 804

Delta R.T. 0.01 min

Lab File: BM004649.D

Acq: 16 Mar 2016 23:33

Instrument :

BNA_M

ClientSampleId :

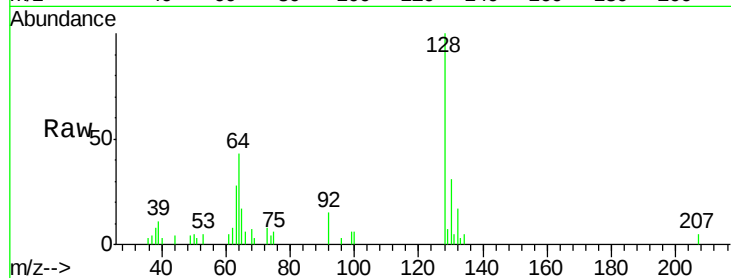
Tot Ion:128 Resp: 20947

Ion Ratio Lower Upper

128 100

64 42.6 31.9 47.9

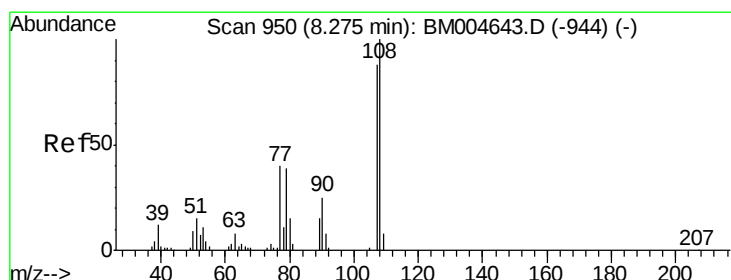
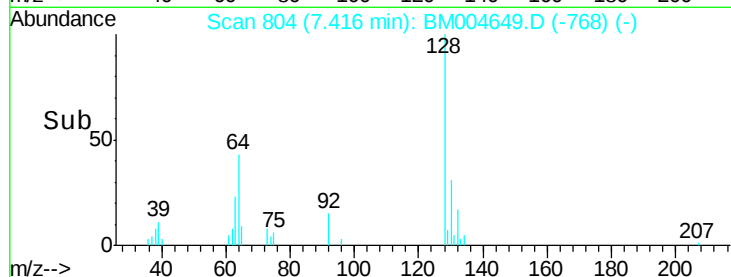
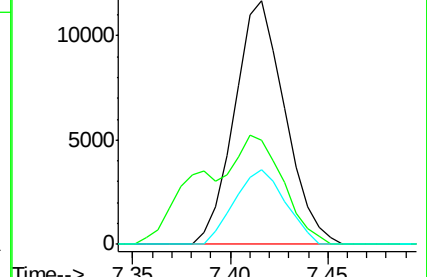
130 30.8 25.6 38.4



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM004643.D (-796) (-)

Ion 130.00 (129.70 to 130.70): E



#11

2-Methylphenol

Concen: 10.40 ng/ul

RT: 8.23 min Scan# 942

Delta R.T. -0.05 min

Lab File: BM004649.D

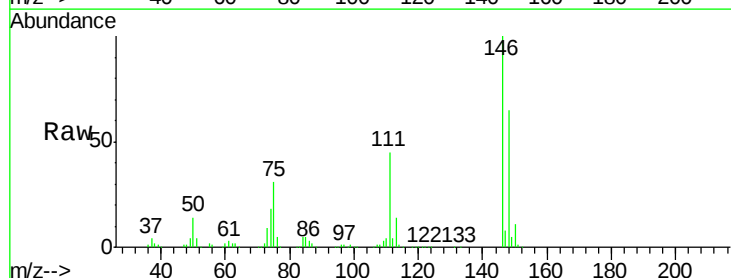
Acq: 16 Mar 2016 23:33

Tgt Ion:108 Resp: 32898

Ion Ratio Lower Upper

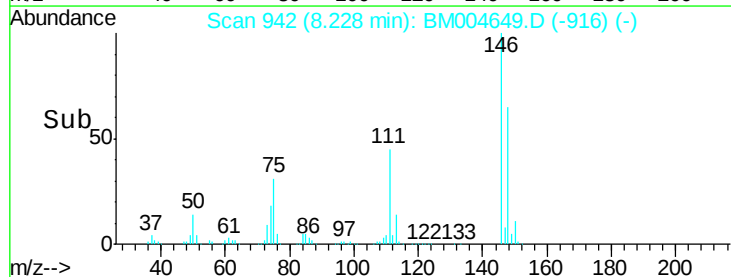
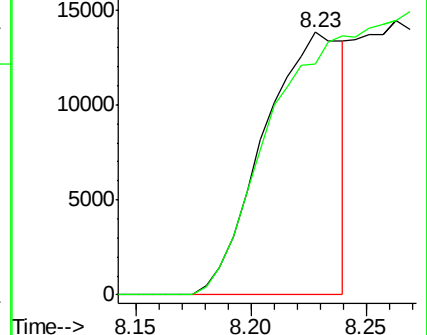
108 100

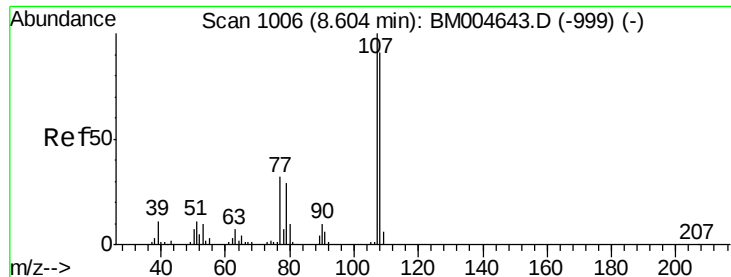
107 88.0 72.4 108.6



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#16

4-Methylphenol

Concen: 11.79 ng/ul

RT: 8.60 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM004649.D

Acq: 16 Mar 2016 23:33

Instrument :

BNA_M

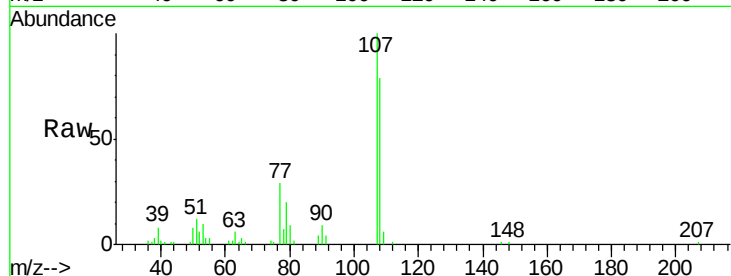
ClientSampleId :

Tot Ion:108 Resp: 41055

Ion Ratio Lower Upper

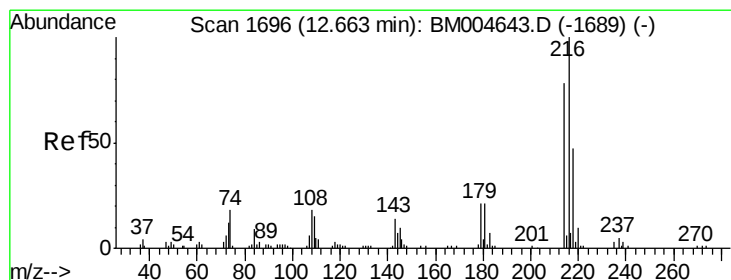
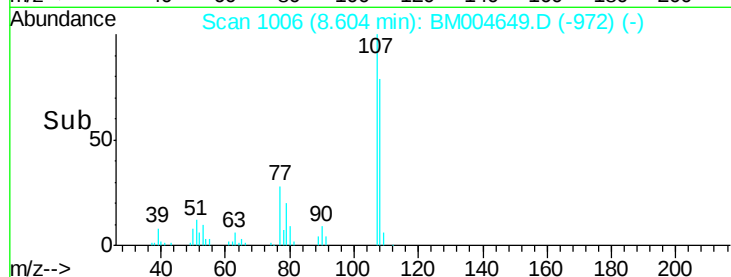
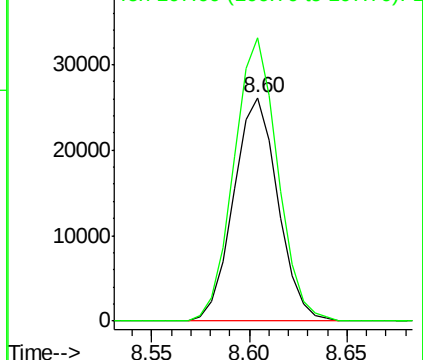
108 100

107 126.6 90.3 135.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#37

1,2,4,5-Tetrachlorobenzene

Concen: 77.61 ng/ul

RT: 12.66 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BM004649.D

Acq: 16 Mar 2016 23:33

Tgt Ion:216 Resp: 392900

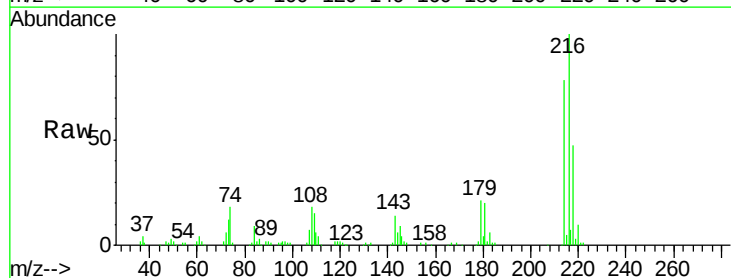
Ion Ratio Lower Upper

216 100

214 77.8 62.5 93.7

179 21.0 18.2 27.2

108 18.2 14.2 21.2

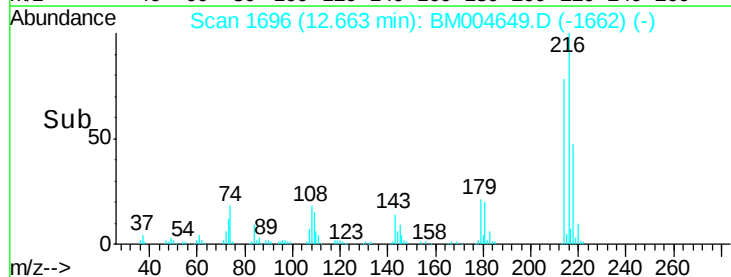
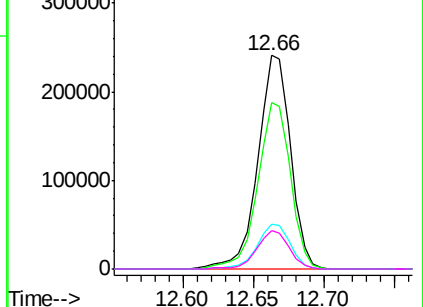


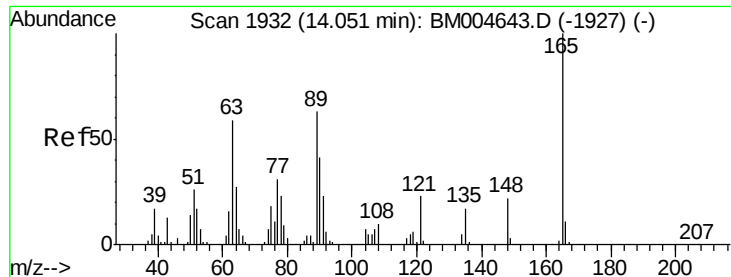
Abundance Ion 216.00 (215.70 to 216.70): E

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

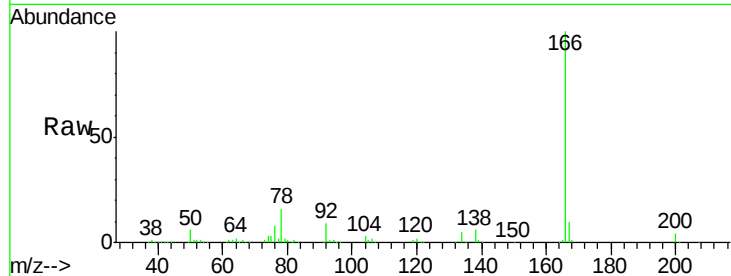




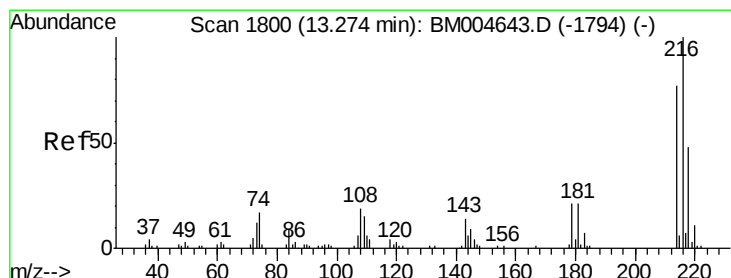
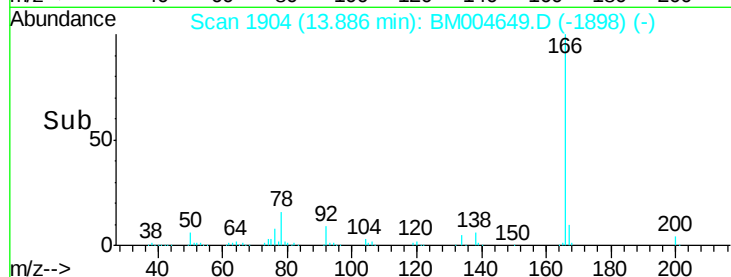
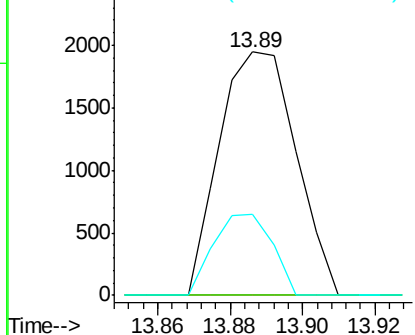
#46
 2,6-Dinitrotoluene
 Concen: 1.28 ng/ul
 RT: 13.89 min Scan# 1904
 Delta R.T. -0.16 min
 Lab File: BM004649.D
 Acq: 16 Mar 2016 23:33

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:165 Resp: 2856
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.4 63.6#
 121 33.2 16.6 24.8#

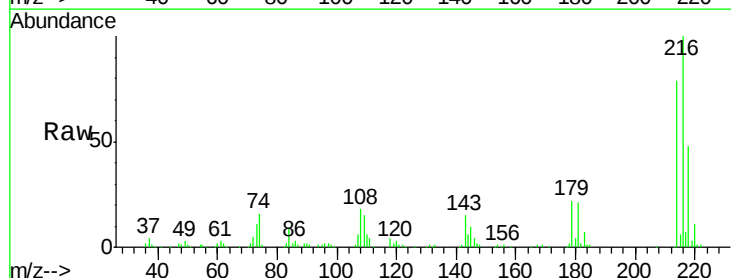


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 121.00 (120.70 to 121.70): E

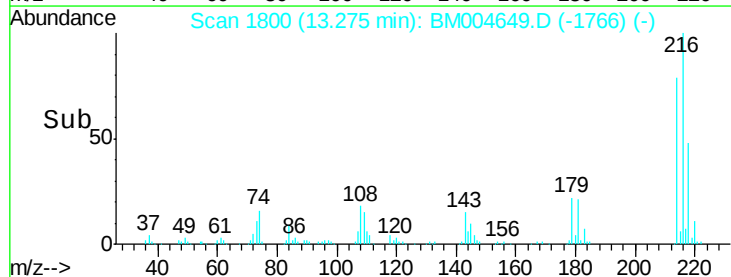
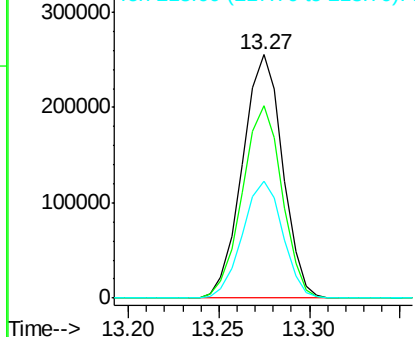


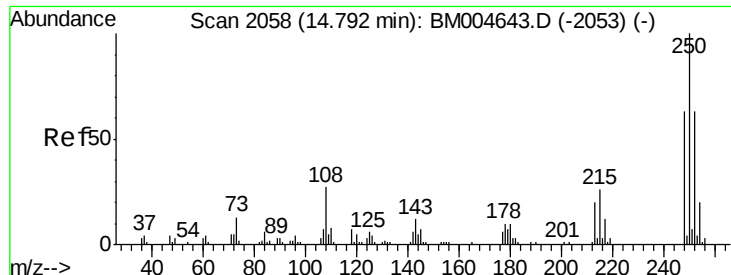
#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 79.77 ng/uL
 RT: 13.27 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BM004649.D
 Acq: 16 Mar 2016 23:33

Tgt Ion:216 Resp: 394170
 Ion Ratio Lower Upper
 216 100
 214 78.9 62.5 93.7
 218 48.0 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





#74

Pentachlorobenzene

Concen: 1.35 ng/uL

RT: 14.79 min Scan# 2058

Delta R.T. 0.00 min

Lab File: BM004649.D

Acq: 16 Mar 2016 23:33

Instrument :

BNA_M

ClientSampleId :

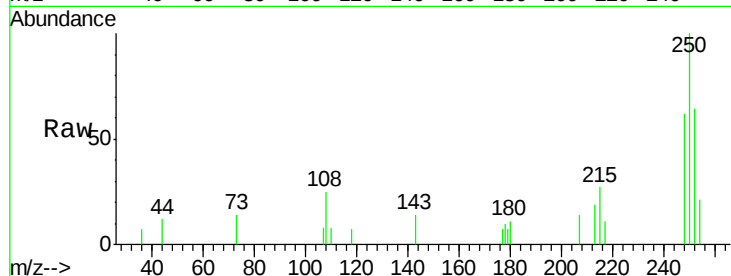
Tot Ion:250 Resp: 6421

Ion Ratio Lower Upper

250 100

248 61.8 50.6 75.8

252 63.7 51.4 77.0



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

