

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031616\
 Data File : BM004647.D
 Acq On : 16 Mar 2016 22:20
 Operator : UM/SJ
 Sample : H1783-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 17 02:01:12 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	7.85	152	66473	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	292059	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.47	164	164748	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.22	188	387580	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	463276	20.00	ng/ul	0.00
86) Perylene-d12	23.70	264	461925	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.34	96	1877	0.97	ng/uL	0.00
5) Phenol-d5	7.00	99	35723	6.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	111265	35.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	119784	27.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	69887	15.87	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	69298	34.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	74468	33.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	132905	30.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	2961	0.57	ng/ul	0.00
44) Dimethylphthalate-d6	13.89	166	459080	35.65	ng/ul	0.00
47) Acenaphthylene-d8	14.17	160	575476	36.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	10040	4.03	ng/ul	0.00
58) Fluorene-d10	15.47	176	420995	37.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.58	200	53012	26.03	ng/ul	0.00
71) Anthracene-d10	17.32	188	664913	37.26	ng/ul	0.00
79) Pyrene-d10	19.61	212	775872	36.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	846330	41.02	ng/ul	0.00

Target Compounds

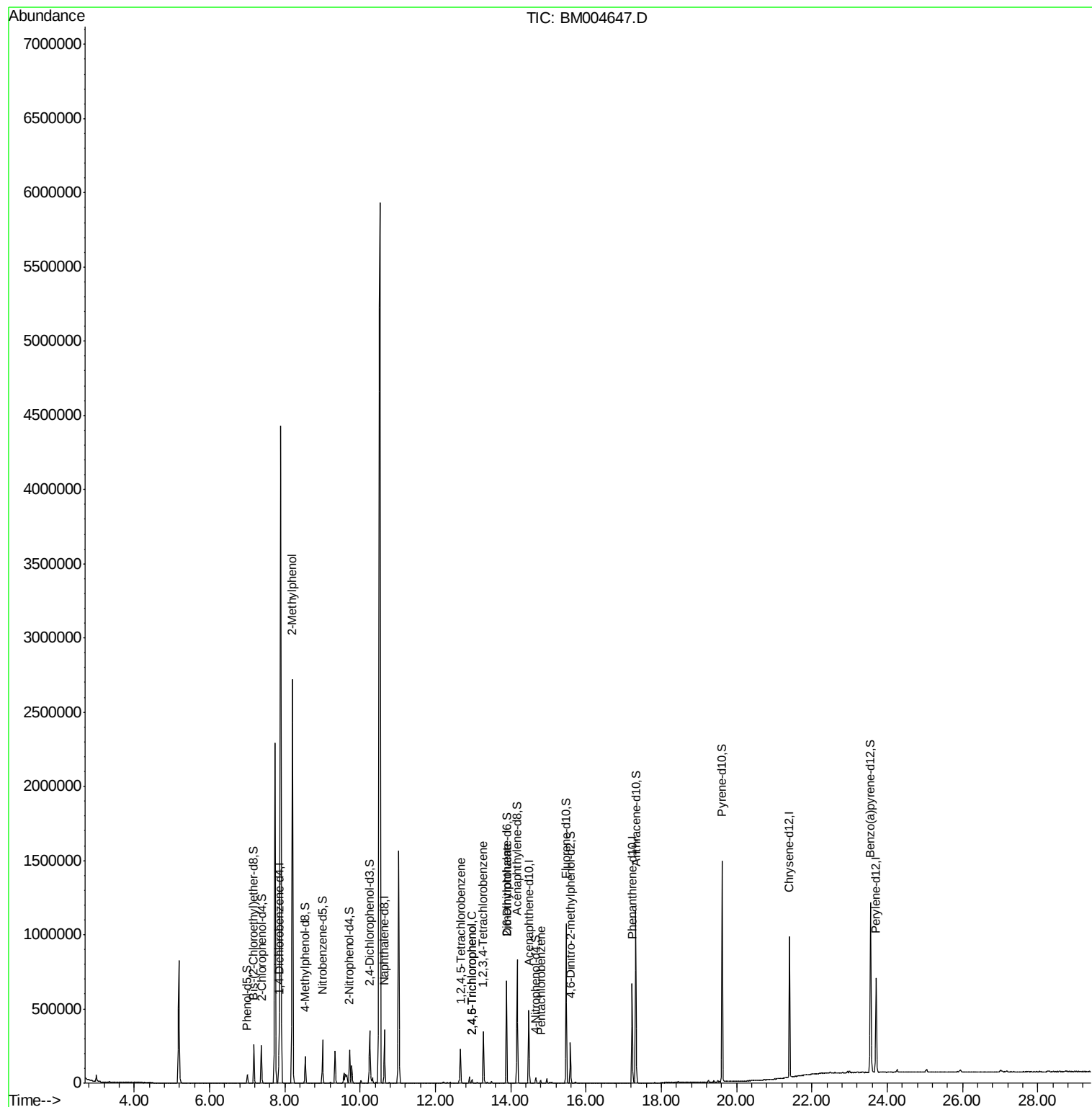
						Ovalue
11) 2-Methylphenol	8.20	108	9045	2.05	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	77133	14.66	ng/ul	98
39) 2,4,6-Trichlorophenol	12.97	196	7308	2.10	ng/ul	98
40) 2,4,5-Trichlorophenol	12.97	196	7308	1.95	ng/ul	97
46) 2,6-Dinitrotoluene	13.89	165	3236	1.39	ng/ul#	40
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	103639	19.44	ng/uL	99
74) Pentachlorobenzene	14.79	250	6570	1.28	ng/uL	97

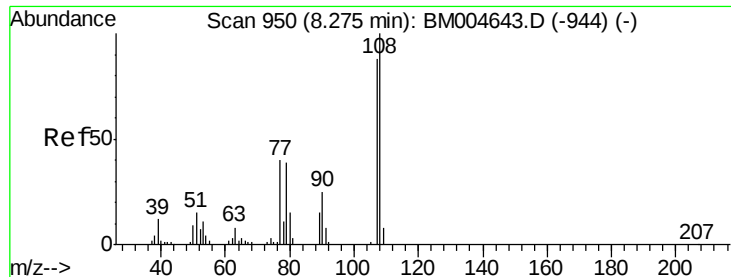
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#11

2-Methylphenol

Concen: 2.05 ng/ul

RT: 8.20 min Scan# 937

Delta R.T. -0.08 min

Lab File: BM004647.D

Acq: 16 Mar 2016 22:20

Instrument :

BNA_M

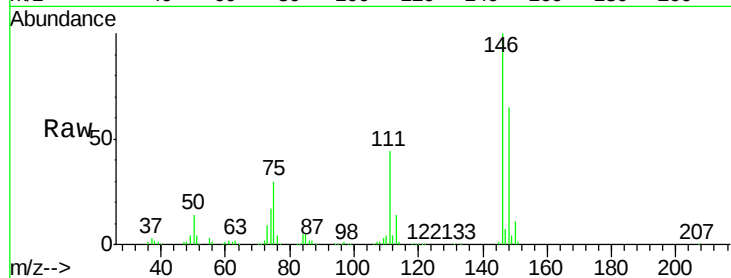
ClientSampleId :

Tot Ion:108 Resp: 9045

Ion Ratio Lower Upper

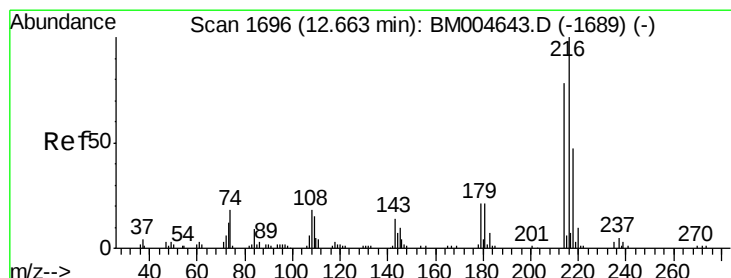
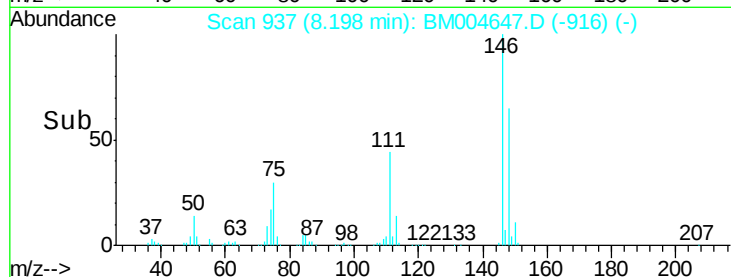
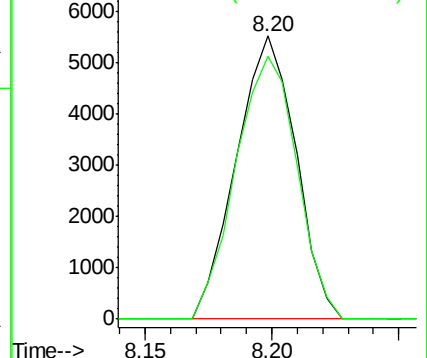
108 100

107 92.7 72.4 108.6



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: 14.66 ng/ul

RT: 12.66 min Scan# 1696

Delta R.T. -0.00 min

Lab File: BM004647.D

Acq: 16 Mar 2016 22:20

Tgt Ion:216 Resp: 77133

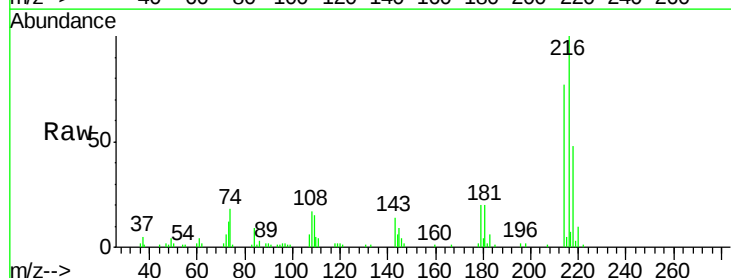
Ion Ratio Lower Upper

216 100

214 76.8 62.5 93.7

179 20.2 18.2 27.2

108 17.2 14.2 21.2

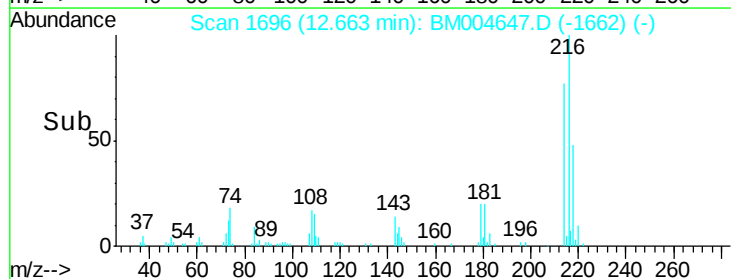
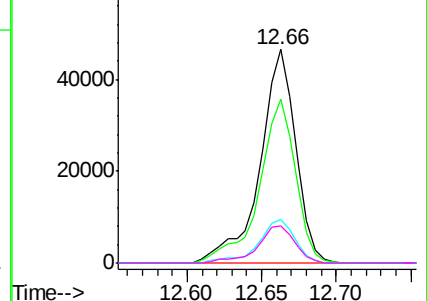


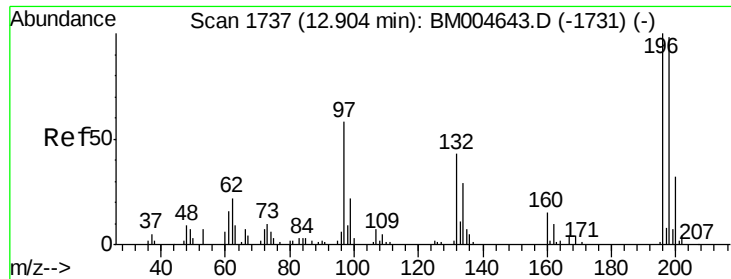
Abundance Ion 216.00 (215.70 to 216.70): E

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

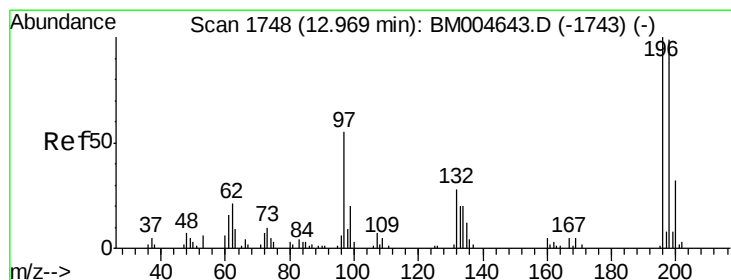
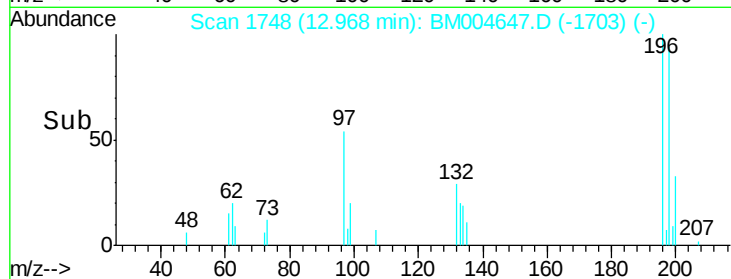
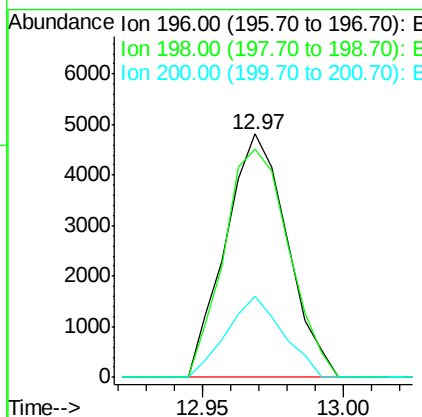
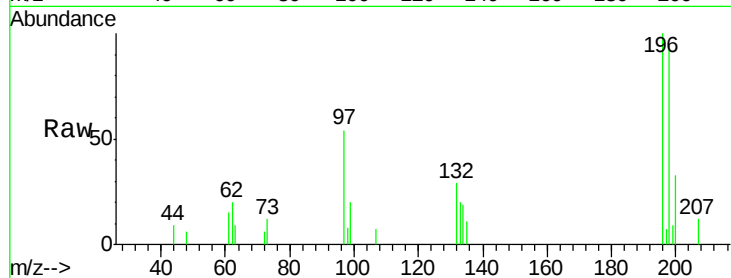




#39
 2,4,6-Trichlorophenol
 Concen: 2.10 ng/ul
 RT: 12.97 min Scan# 1748
 Delta R.T. 0.06 min
 Lab File: BM004647.D
 Acq: 16 Mar 2016 22:20

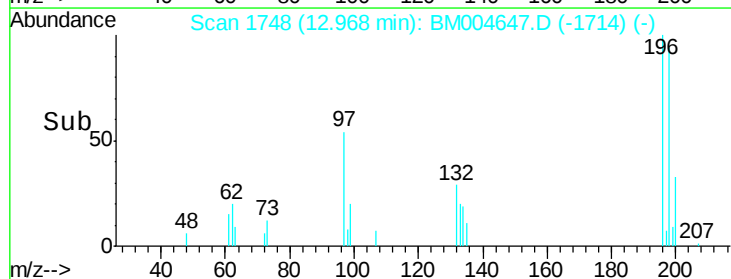
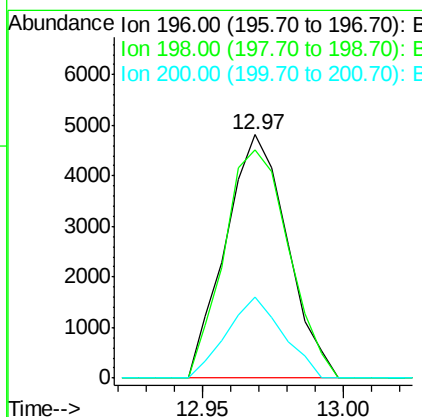
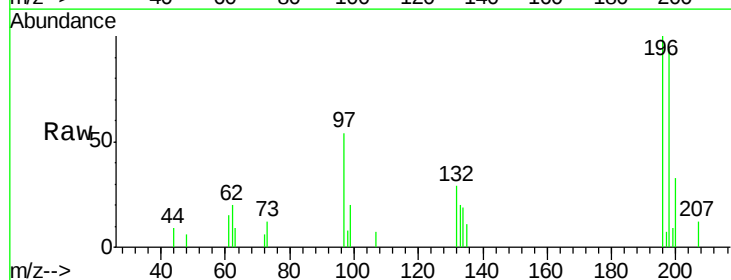
Instrument :
 BNA_M
 ClientSampleId :

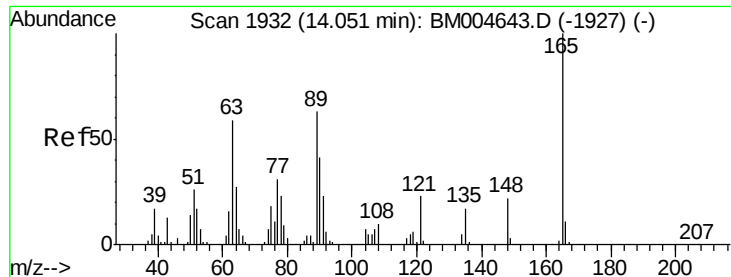
Tot Ion:196 Resp: 7308
 Ion Ratio Lower Upper
 196 100
 198 93.9 76.6 114.8
 200 33.3 24.7 37.1



#40
 2,4,5-Trichlorophenol
 Concen: 1.95 ng/ul
 RT: 12.97 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: BM004647.D
 Acq: 16 Mar 2016 22:20

Tgt Ion:196 Resp: 7308
 Ion Ratio Lower Upper
 196 100
 198 93.9 76.9 115.3
 200 33.3 25.0 37.4

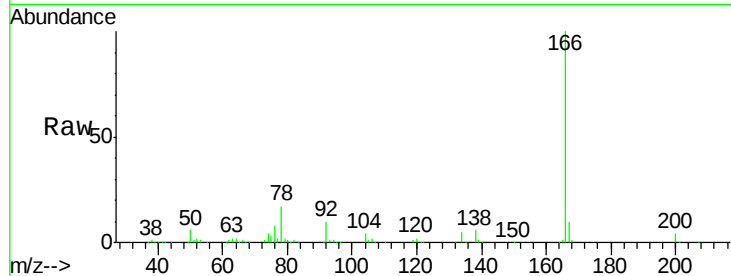




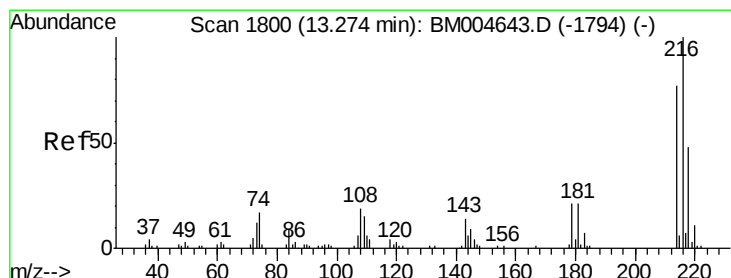
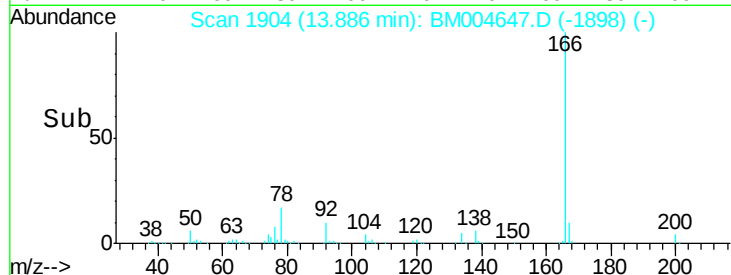
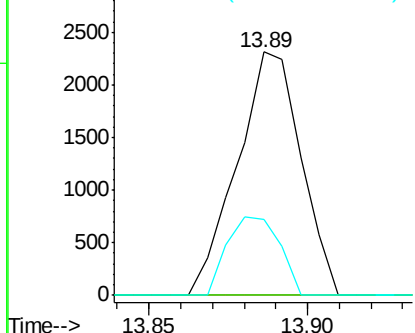
#46
 2,6-Dinitrotoluene
 Concen: 1.39 ng/ul
 RT: 13.89 min Scan# 1904
 Delta R.T. -0.16 min
 Lab File: BM004647.D
 Acq: 16 Mar 2016 22:20

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:165 Resp: 3236
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.4 63.6#
 121 31.3 16.6 24.8#

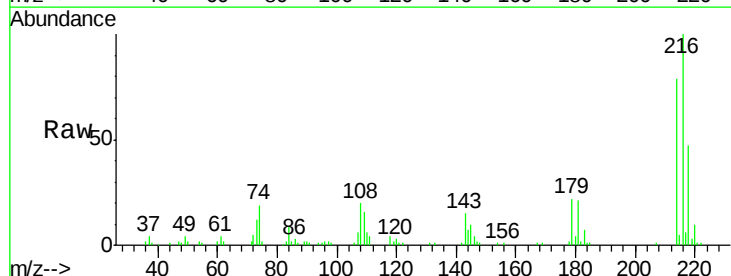


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BM0
 Ion 121.00 (120.70 to 121.70): E

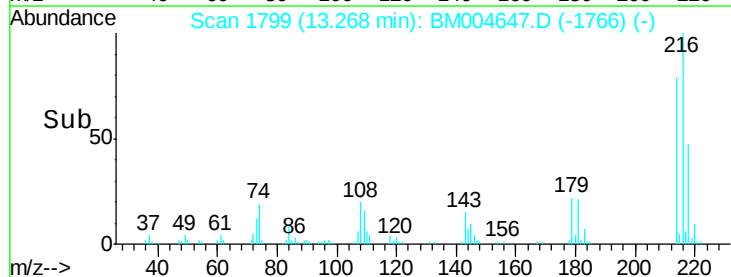
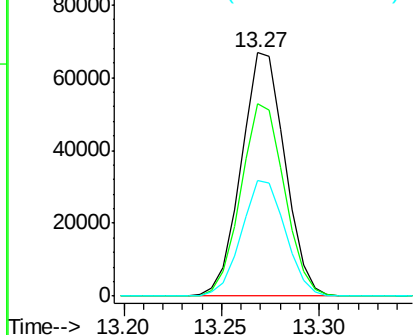


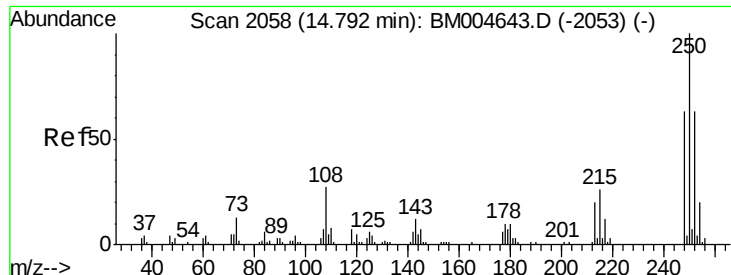
#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 19.44 ng/uL
 RT: 13.27 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BM004647.D
 Acq: 16 Mar 2016 22:20

Tgt Ion:216 Resp: 103639
 Ion Ratio Lower Upper
 216 100
 214 78.8 62.5 93.7
 218 47.5 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: 1.28 ng/uL

RT: 14.79 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM004647.D

Acq: 16 Mar 2016 22:20

Instrument :

BNA_M

ClientSampleId :

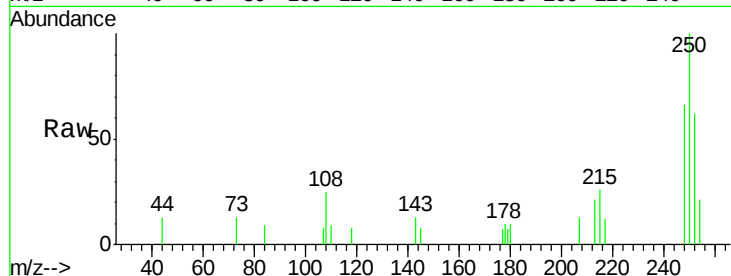
Tot Ion:250 Resp: 6570

Ion Ratio Lower Upper

250 100

248 66.1 50.6 75.8

252 62.0 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

