

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
 Data File : BM009261.D
 Acq On : 15 Mar 2017 12:08
 Operator : SJ/MA
 Sample : I2181-02DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0BJ1DL

Manual Integrations
 APPROVED

mohammad
 3/16/2017 4:40:54 PM

Quant Time: Mar 16 01:29:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 16 01:18:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	99658	20.00	ng/ul	0.01
18) Naphthalene-d8	10.67	136	425021	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	294261	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	798178	20.00	ng/ul	0.00
77) Chrysene-d12	21.44	240	1213518	20.00	ng/ul	0.00
85) Perylene-d12	23.77	264	1255014	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	1817	0.80	ng/uL	0.00
5) Phenol-d5	7.03	99	25255	2.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	96919	13.80	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	68780	10.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	49879	5.80	ng/ul	0.00
19) Nitrobenzene-d5	9.05	128	44755	14.75	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	47226	14.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	86984	12.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	8248	0.96	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	389698	17.44	ng/ul	0.00
46) Acenaphthylene-d8	14.21	160	443554	17.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	7566	1.71	ng/ul	0.00
57) Fluorene-d10	15.51	176	360322	18.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	45747	9.58	ng/ul	0.00
70) Anthracene-d10	17.36	188	627242m	16.60	ng/ul	0.00
78) Pyrene-d10	19.65	212	807764	16.49	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.63	264	935323	16.29	ng/ul	0.00

Target Compounds

					Ovalue	
20) Nitrobenzene	9.08	77	159432	15.75	ng/ul#	81
36) 1,2,4,5-Tetrachlorobenzene	12.70	216	221434	25.02	ng/ul	97
72) 1,2,3,4-Tetrachlorobenzene	13.31	216	362504	38.66	ng/uL	99
73) Pentachlorobenzene	14.83	250	15091	1.50	ng/uL	97

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

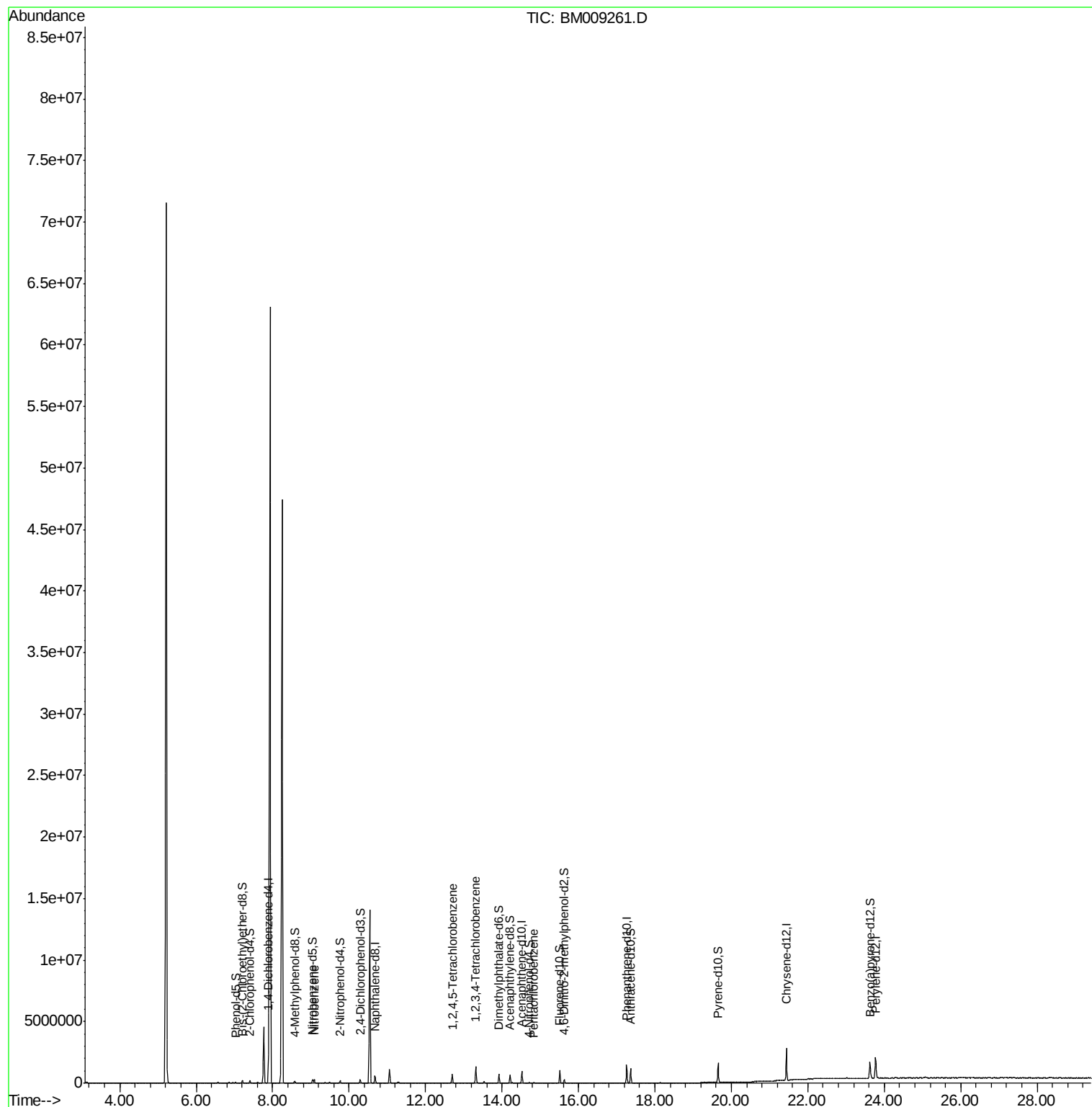
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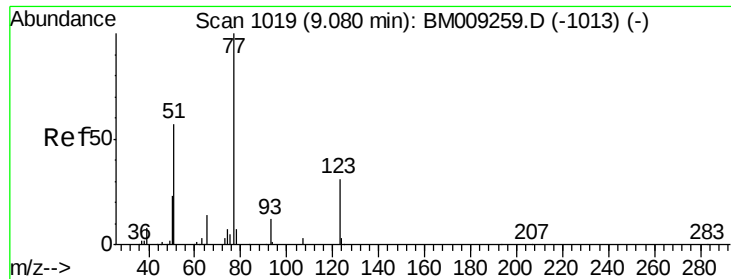
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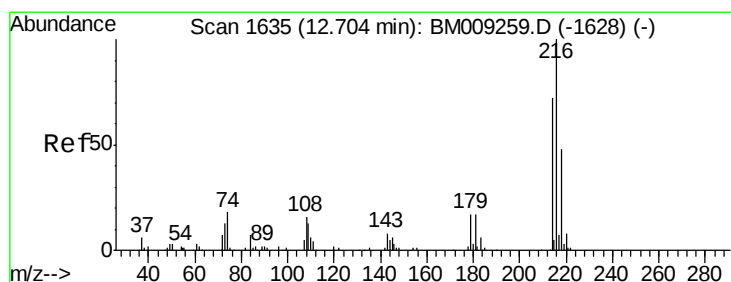
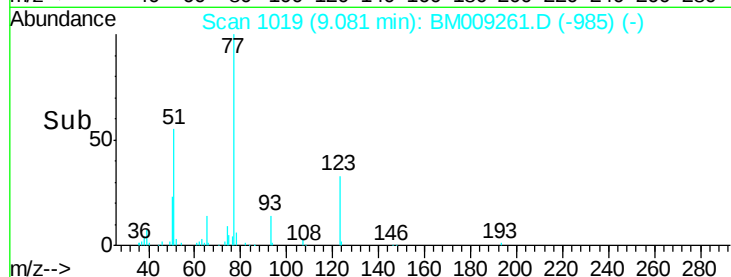
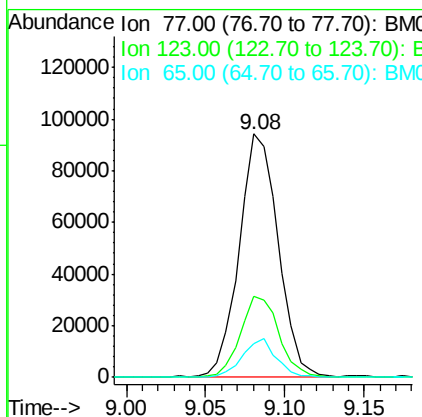
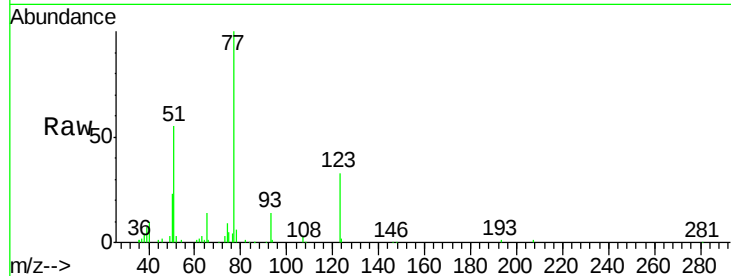
#20
Nitrobenzene
Concen: 15.75 ng/ul
RT: 9.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BM009261.D
Acq: 15 Mar 2017 12:08

Instrument :
BNA_M
ClientSampleId :
C0BJ1DL

Tot Ion	Ratio	Lower	Upper
77	100		
123	33.2	39.0	58.4#
65	14.0	10.4	15.6

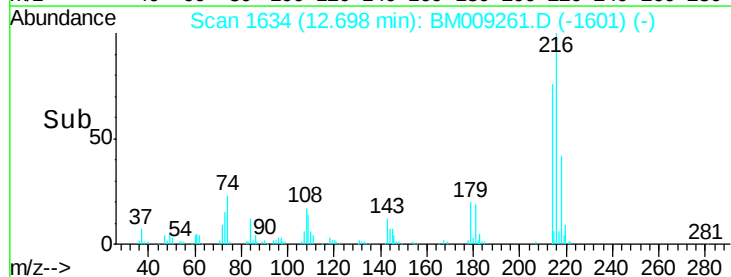
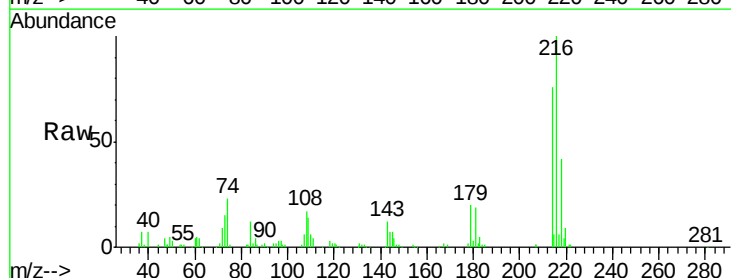
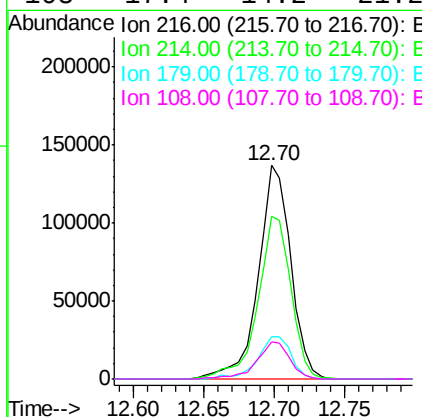
Manual Integrations
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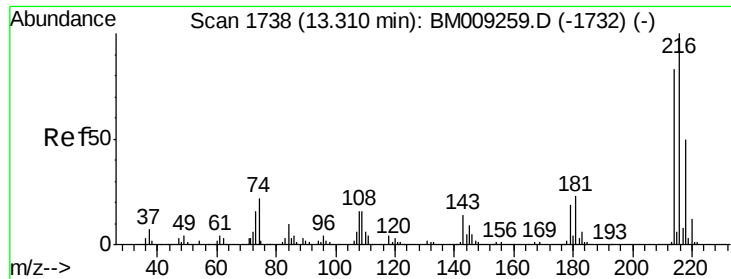
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#36
1,2,4,5-Tetrachlorobenzene
Concen: 25.02 ng/ul
RT: 12.70 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BM009261.D
Acq: 15 Mar 2017 12:08

Tgt Ion	Ratio	Lower	Upper
216	100		
214	75.9	62.5	93.7
179	20.0	18.2	27.2
108	17.4	14.2	21.2





#72

1,2,3,4-Tetrachlorobenzene

Concen: 38.66 ng/uL

RT: 13.31 min Scan# 1738

Delta R.T. 0.00 min

Lab File: BM009261.D

Acq: 15 Mar 2017 12:08

Instrument :

BNA_M

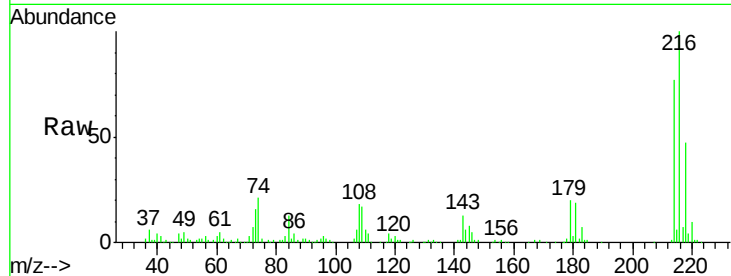
ClientSampleId :

C0BJ1DL

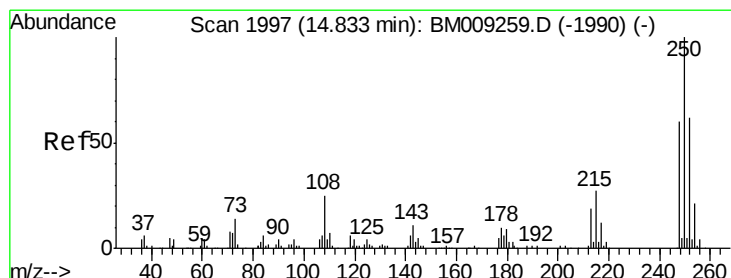
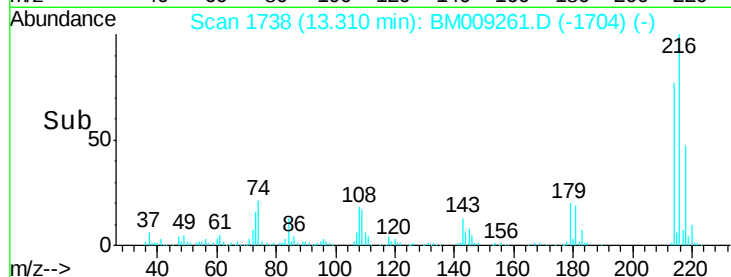
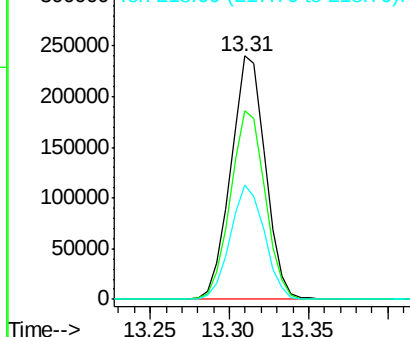
Tot Ion:	216	Resp:	362504
Ion Ratio		Lower	Upper
216	100		
214	77.4	62.5	93.7
218	47.0	38.4	57.6

Manual Integrations
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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



#73

Pentachlorobenzene

Concen: 1.50 ng/uL

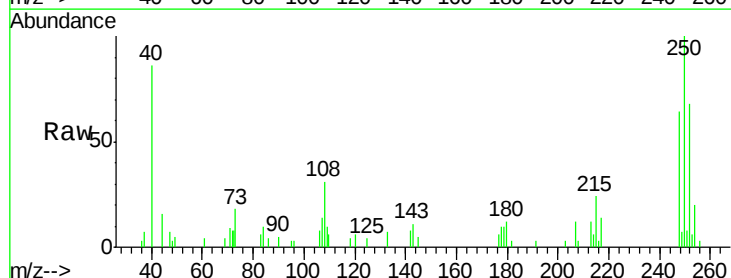
RT: 14.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BM009261.D

Acq: 15 Mar 2017 12:08

Tgt Ion:	250	Resp:	15091
Ion Ratio		Lower	Upper
250	100		
248	64.0	50.6	75.8
252	67.8	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

