

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092017\
 Data File : BM011639.D
 Acq On : 20 Sep 2017 16:09
 Operator : SJ/JU
 Sample : I5273-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD7

Manual Integrations
 APPROVED

Sohil
 9/22/2017 4:05:17 PM

Quant Time: Sep 21 03:53:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 21 01:44:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	257853m	20.00	ng/ul	0.06
18) Naphthalene-d8	10.80	136	1705418	20.00	ng/ul	0.03
36) Acenaphthene-d10	14.60	164	982433	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	2179780	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	2272448	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1997264	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	44684m	7.80	ng/uL	0.00
5) Phenol-d5	7.13	99	216854m	8.76	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.36	67	792556m	47.50	ng/ul	0.08
9) 2-Chlorophenol-d4	7.52	132	708741m	37.98	ng/ul	0.02
13) 4-Methylphenol-d8	8.69	113	410628	21.24	ng/ul	0.02
19) Nitrobenzene-d5	9.17	128	454206	35.08	ng/ul	0.04
22) 2-Nitrophenol-d4	9.87	143	475566	35.34	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.40	165	786632	29.04	ng/ul	0.02
29) 4-Chloroaniline-d4	10.93	131	23276	0.78	ng/ul	0.02
44) Dimethylphthalate-d6	14.00	166	2794369	33.64	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	3320552	33.06	ng/ul	0.00
52) 4-Nitrophenol-d4	14.78	143	86318	5.53	ng/ul	0.00
58) Fluorene-d10	15.59	176	2360229	32.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	404983	31.93	ng/ul	0.00
71) Anthracene-d10	17.43	188	3681771	34.30	ng/ul	0.00
79) Pyrene-d10	19.72	212	4021873	37.80	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	3313514	34.81	ng/ul	0.00

Target Compounds

				Ovalue	
4) Benzaldehyde	7.17	77	23227m	1.642	ng/ul
17) Hexachloroethane	9.08	117	37843	5.438	ng/ul# 67
20) Nitrobenzene	9.22	77	37347702m	1226.855	ng/ul
23) 2-Nitrophenol	9.90	139	192096	13.585	ng/ul 90
37) 1,2,4,5-Tetrachlorobenzene	12.79	216	928957	31.876	ng/ul# 96
53) 4-Nitrophenol	14.79	109	18879	1.882	ng/ul# 78
73) 1,2,3,4-Tetrachlorobenzene	13.40	216	1786108	61.491	ng/uL 98

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

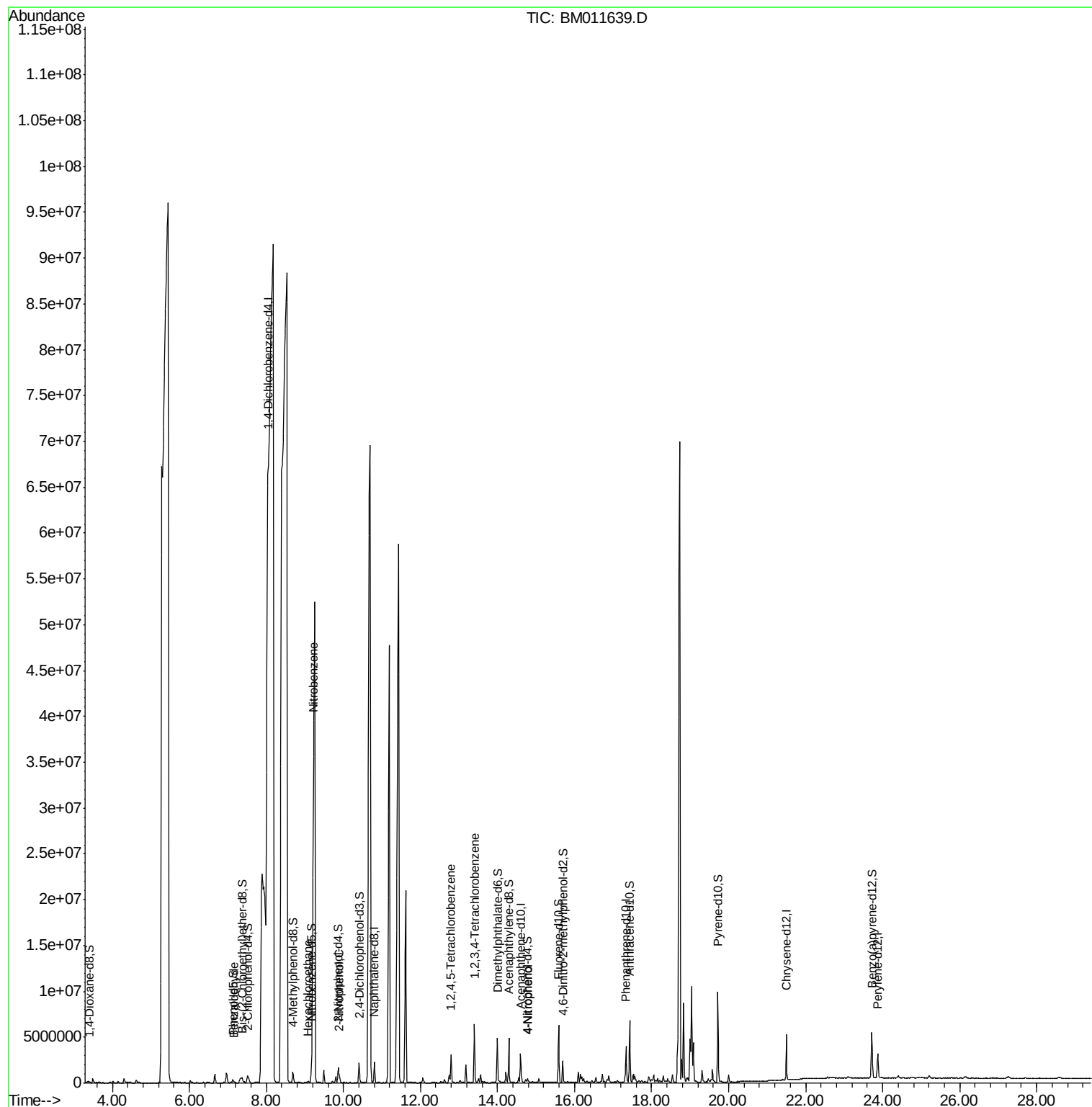
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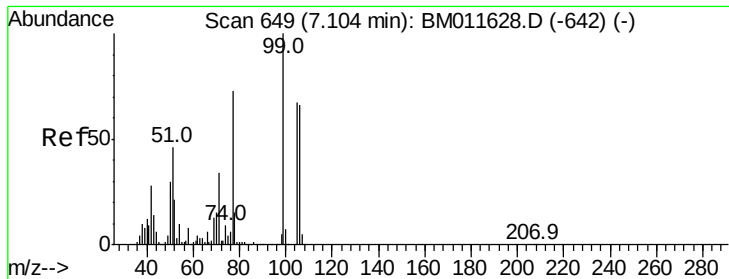
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.642 ng/ul m

RT: 7.17 min Scan# 661

Delta R.T. 0.07 min

Lab File: BM011639.D

Acq: 20 Sep 2017 16:09

Instrument :

BNA_M

ClientSampled :

C0AD7

Tot Ion: 77 Resp: 23227

Ion Ratio Lower Upper

77 100

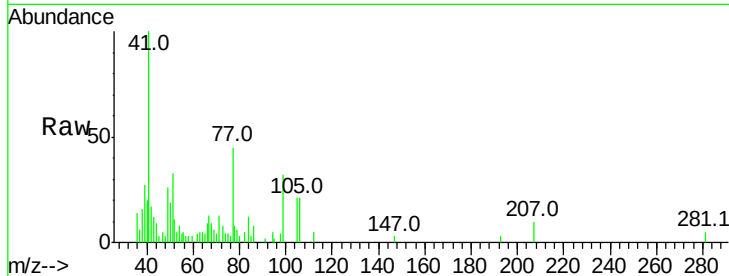
105 46.7 71.0 106.6#

106 47.0 69.5 104.3#

Manual Integrations
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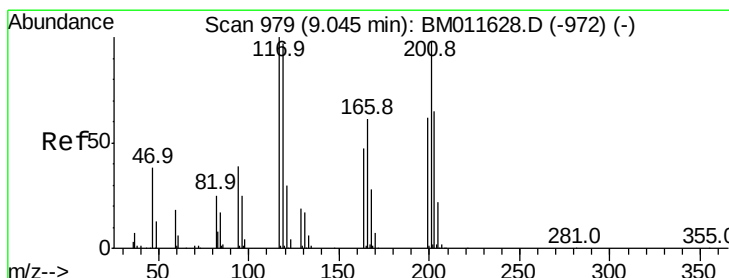
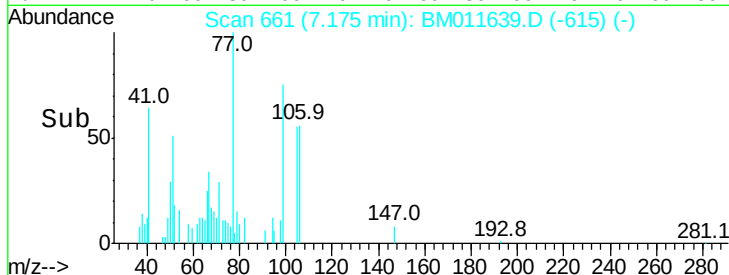
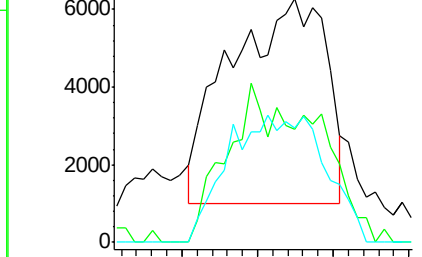
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Abundance Ion 77.00 (76.70 to 77.70): BM011639.D (-615) (-)

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#17

Hexachloroethane

Concen: 5.438 ng/ul

RT: 9.08 min Scan# 985

Delta R.T. 0.04 min

Lab File: BM011639.D

Acq: 20 Sep 2017 16:09

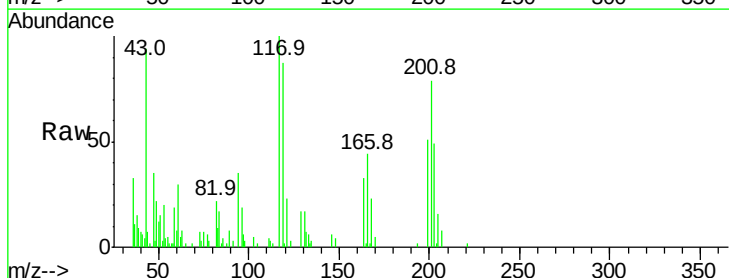
Tgt Ion: 117 Resp: 37843

Ion Ratio Lower Upper

117 100

201 79.3 96.1 144.1#

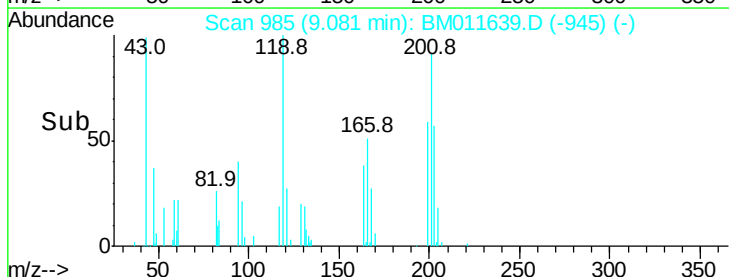
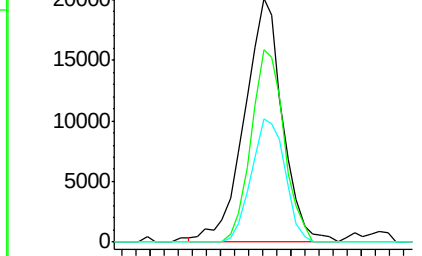
199 50.8 59.7 89.5#

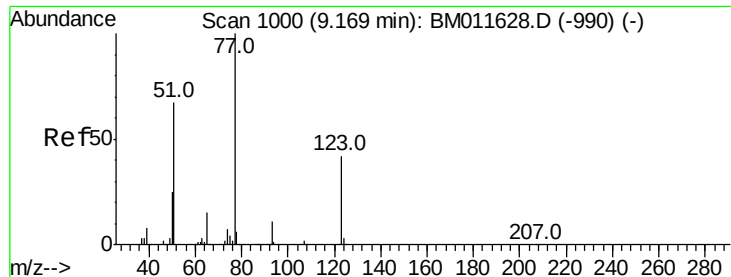


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





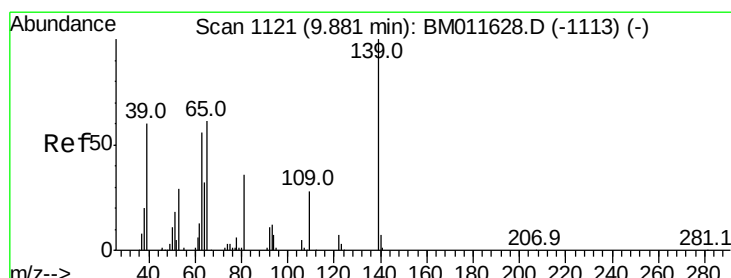
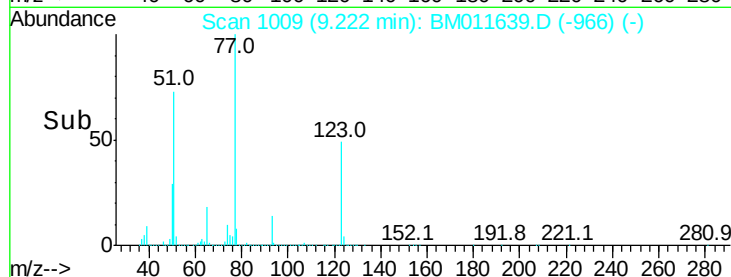
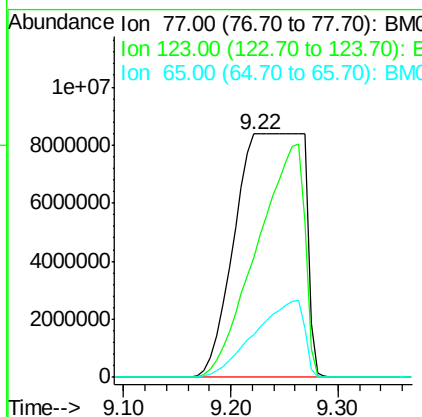
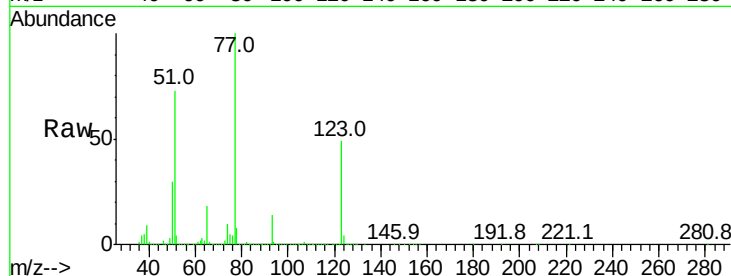
#20
Nitrobenzene
Concen: 1226.855 ng/ul m
RT: 9.22 min Scan# 1009
Delta R.T. 0.05 min
Lab File: BM011639.D
Acq: 20 Sep 2017 16:09

Instrument :
BNA_M
ClientSampled :
C0AD7

Tot Ion: 77 Resp: 37347702
Ion Ratio Lower Upper
77 100
123 48.9 31.8 47.8#
65 17.8 10.6 16.0#

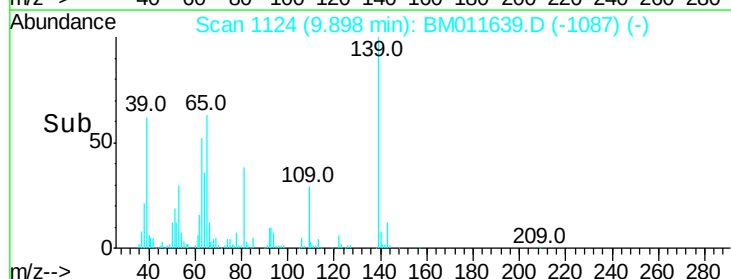
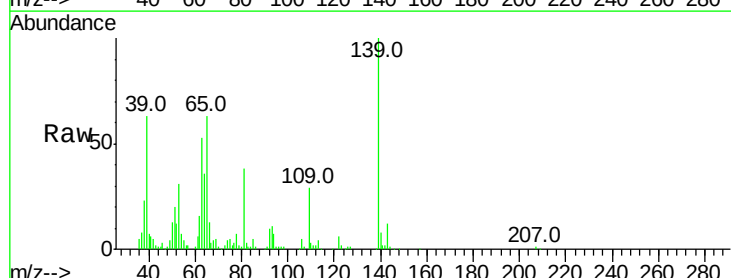
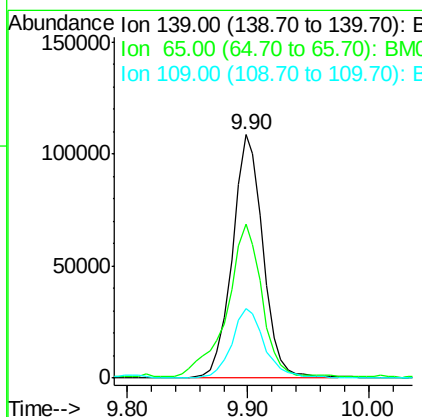
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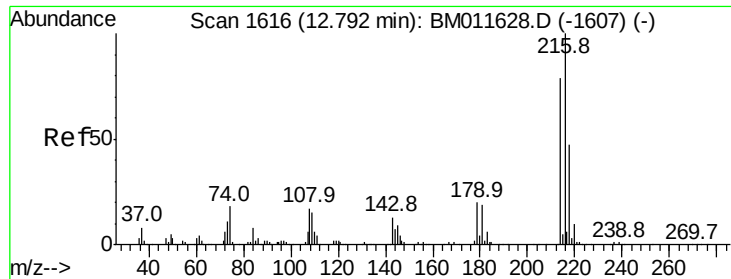
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#23
2-Nitrophenol
Concen: 13.585 ng/ul
RT: 9.90 min Scan# 1124
Delta R.T. 0.02 min
Lab File: BM011639.D
Acq: 20 Sep 2017 16:09

Tgt Ion: 139 Resp: 192096
Ion Ratio Lower Upper
139 100
65 63.3 45.3 67.9
109 28.7 27.7 41.5





#37

1,2,4,5-Tetrachlorobenzene

Concen: 31.876 ng/ul

RT: 12.79 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BM011639.D

Acq: 20 Sep 2017 16:09

Instrument :

BNA_M

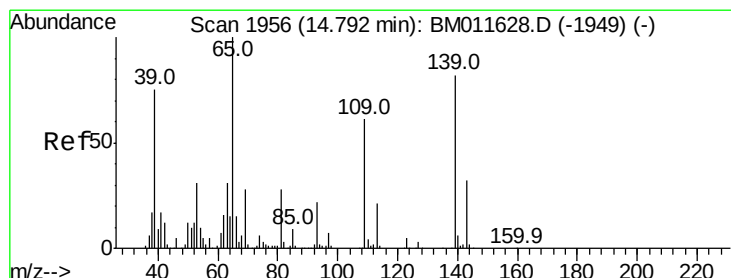
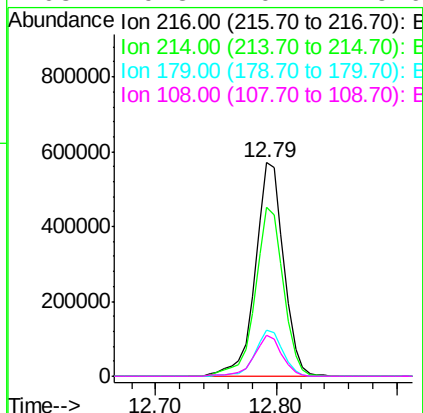
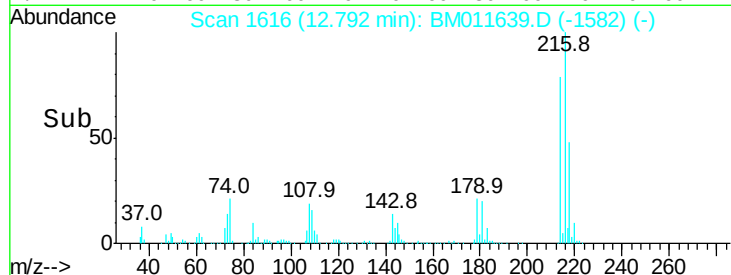
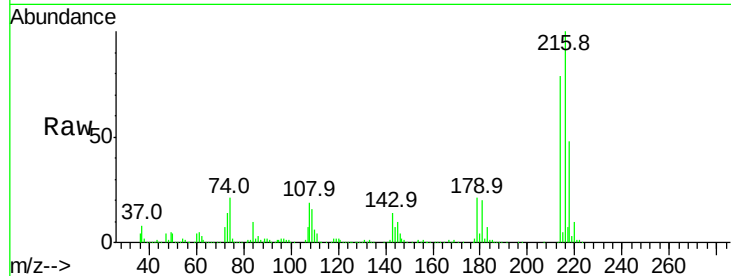
ClientSampled :

C0AD7

Tot Ion	Ratio	Resp	Lower	Upper
216	100	928957		
214	79.3	64.1	96.1	
179	21.4	14.5	21.7	
108	19.3	10.4	15.6	

Manual Integrations
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#53

4-Nitrophenol

Concen: 1.882 ng/ul

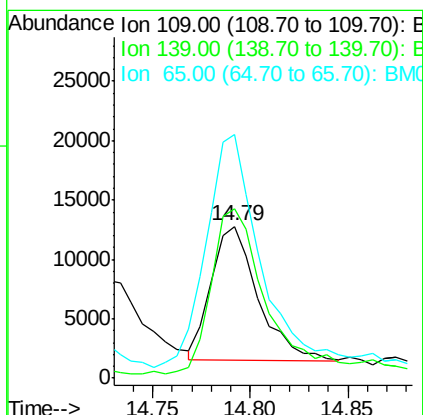
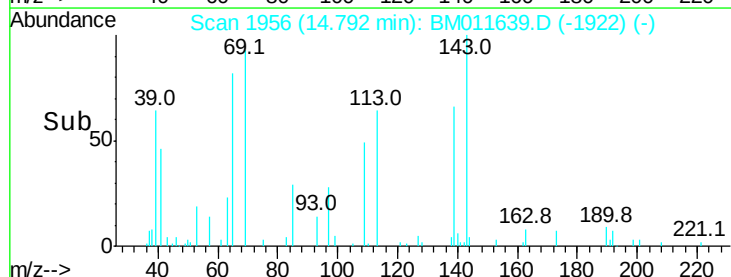
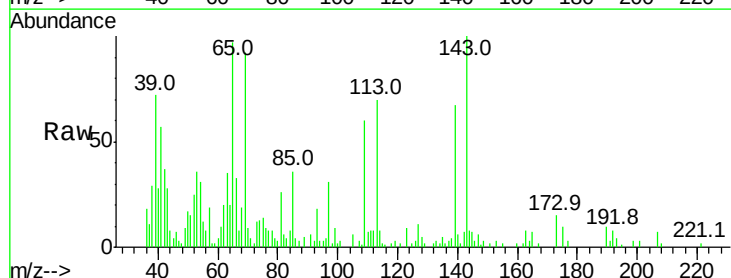
RT: 14.79 min Scan# 1956

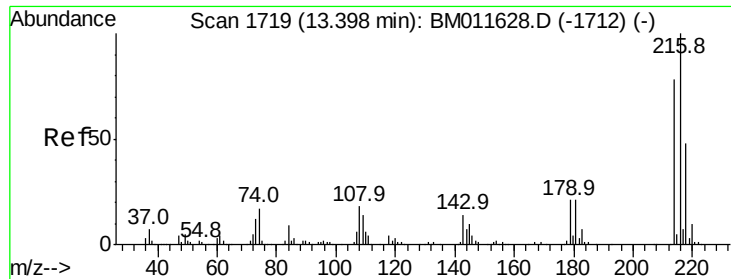
Delta R.T. -0.00 min

Lab File: BM011639.D

Acq: 20 Sep 2017 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	18879		
139	111.6	91.2	136.8	
65	160.4	92.6	139.0	





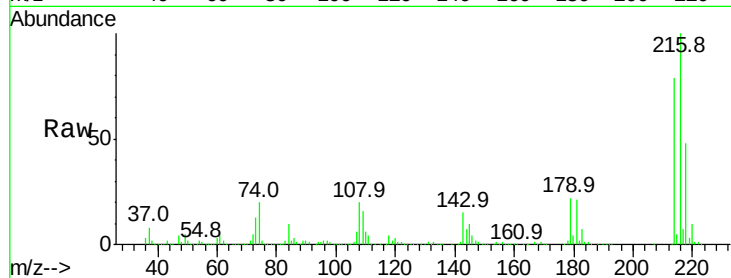
#73
 1,2,3,4-Tetrachlorobenzene
 Concen: 61.491 ng/uL
 RT: 13.40 min Scan# 1719
 Delta R.T. -0.00 min
 Lab File: BM011639.D
 Acq: 20 Sep 2017 16:09

Instrument :
 BNA_M
 ClientSampleId :
 C0AD7

Tot Ion	Ratio	Resp	Lower	Upper
216	100	1786108		
214	78.6		64.1	96.1
218	47.5		39.4	59.0

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

