

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014776.D
 Acq On : 23 Apr 2018 13:53
 Operator : SJ/JU
 Sample : J2431-24
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASM4

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:13:29 PM

Quant Time: Apr 24 01:53:00 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	348282	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1447088	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	757156	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1555987	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1525416	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1584144	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	38225m	4.79	ng/uL	0.00
5) Phenol-d5	7.65	99	715332	26.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	463092	26.82	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	588467	26.13	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	572058	26.64	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	277801	26.55	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	304258	29.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.98	165	529457	25.01	ng/ul	0.00
29) 4-Chloroaniline-d4	11.50	131	790820	37.85	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1684951	28.51	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	1841702	25.23	ng/ul	0.00
51) 4-Nitrophenol-d4	15.29	143	360502	32.86	ng/ul	0.00
57) Fluorene-d10	16.10	176	1324063	25.76	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.21	200	283264	33.64	ng/ul	0.00
70) Anthracene-d10	17.94	188	2133044	29.42	ng/ul	0.00
76) Pyrene-d10	20.17	212	2330298	32.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2588098	33.25	ng/ul	0.00

Target Compounds

					Ovalue
8) Bis(2-Chloroethyl)ether	7.92	93	332206	15.683	ng/ul 90
12) 2,2'-oxybis(1-Chloropropan	9.06	45	503712	12.863	ng/ul 97
16) 4-Methylphenol	9.29	108	809270	38.623	ng/ul 82
17) Hexachloroethane	9.63	117	420247	46.319	ng/ul# 69
20) Nitrobenzene	9.75	77	385242	15.414	ng/ul 93
23) 2-Nitrophenol	10.47	139	375404	33.167	ng/ul# 76
24) 2,4-Dimethylphenol	10.51	107	506391	21.176	ng/ul# 84
25) Bis(2-Chloroethoxy)methane	10.75	93	404235	14.068	ng/ul 97
27) 2,4-Dichlorophenol	11.00	162	403132	19.945	ng/ul# 87
30) 4-Chloroaniline	11.52	127	1293986	63.796	ng/ul 96
34) 2-Methylnaphthalene	12.99	142	964314	19.692	ng/ul 98
37) Hexachlorocyclopentadiene	13.33	237	591029	36.144	ng/ul 100
38) 2,4,6-Trichlorophenol	13.57	196	221241	15.091	ng/ul 97
41) 2-Chloronaphthalene	14.02	162	551636	11.667	ng/ul 99
42) 2-Nitroaniline	14.22	65	793771	63.439	ng/ul 95
44) Dimethylphthalate	14.57	163	1535963	26.883	ng/ul 100
45) 2,6-Dinitrotoluene	14.69	165	142318	13.581	ng/ul 89
48) 3-Nitroaniline	15.03	138	698770	67.764	ng/ul 86
50) 2,4-Dinitrophenol	15.22	184	381624	65.588	ng/ul 90
52) 4-Nitrophenol	15.30	109	481525	60.912	ng/ul# 81
59) 4-Chlorophenyl-phenylether	16.14	204	323056	11.455	ng/ul 94
60) 4-Nitroaniline	16.17	138	440750	36.639	ng/ul# 82
63) 4,6-Dinitro-2-methylphenol	16.22	198	515316	58.901	ng/ul 91

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 01:47:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	17.03	248	826161	50.272	ng/ul	94
79) 3,3'-Dichlorobenzidine	21.83	252	703043	24.157	ng/ul#	93

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

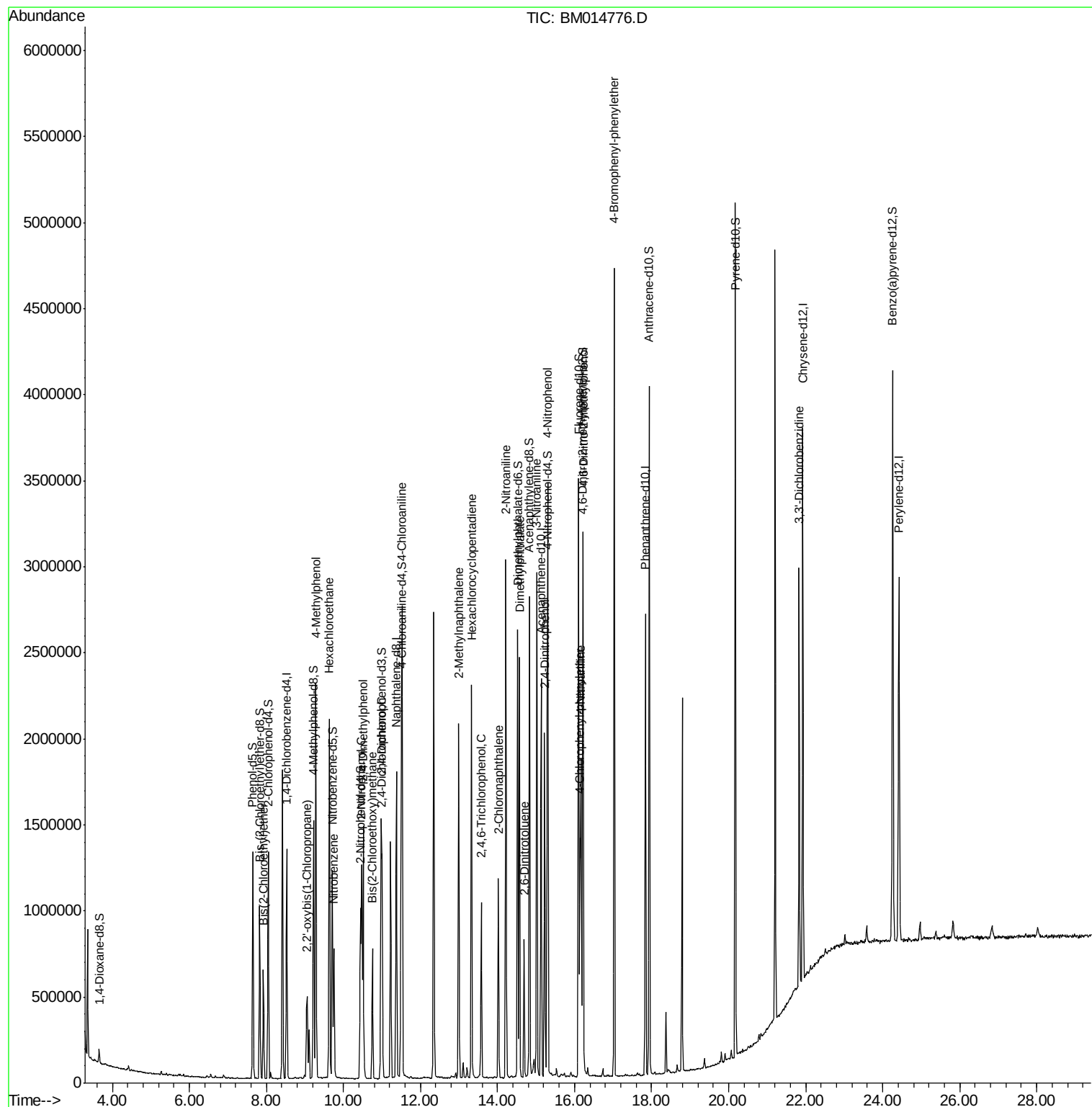
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
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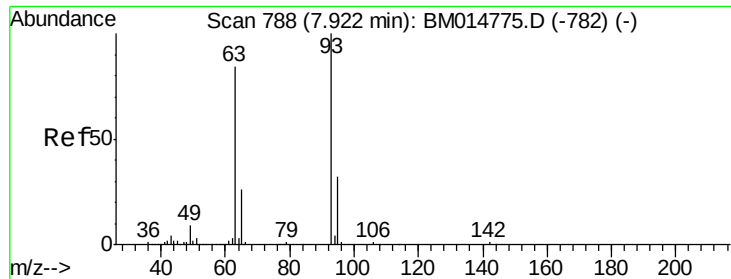
Instrument :
BNA_M
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Quant Time: Apr 24 01:53:00 2018
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#8

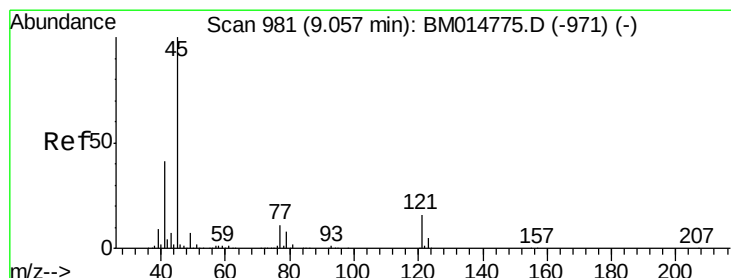
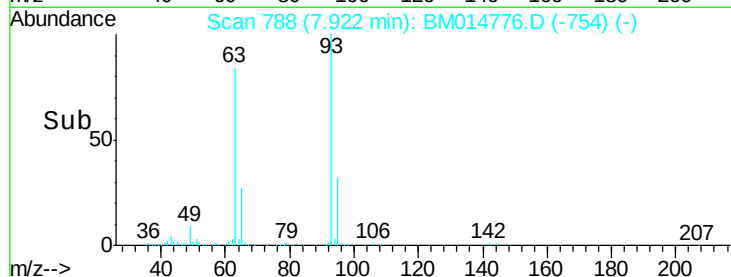
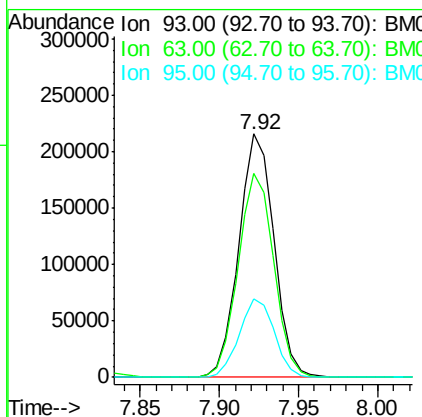
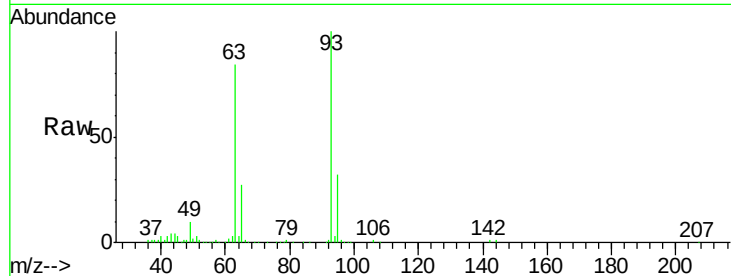
Bis(2-Chloroethyl)ether
 Concen: 15.683 ng/ul
 RT: 7.92 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampleID :
 DASM4

Tot Ion	93	Resp	332206
Ion	Ratio	Lower	Upper
93	100		
63	83.6	57.3	85.9
95	32.1	26.6	39.8

Manual Integrations
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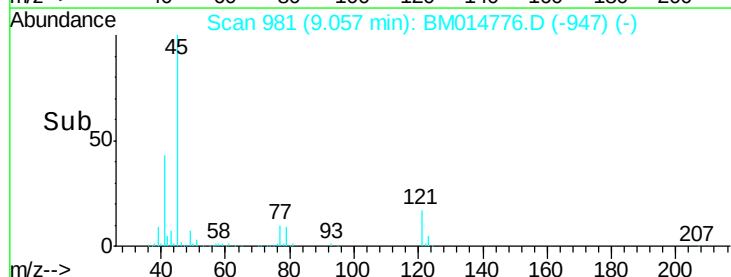
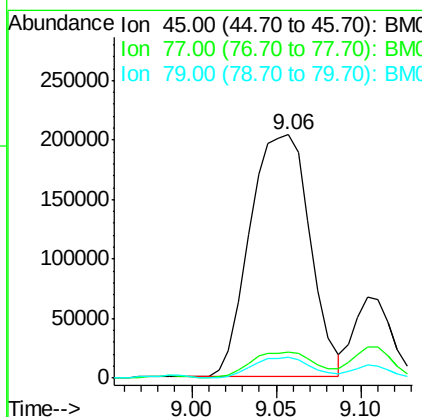
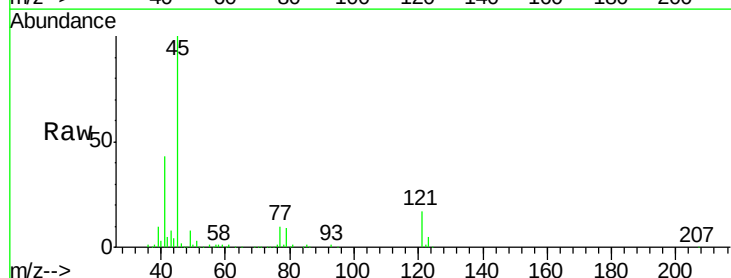
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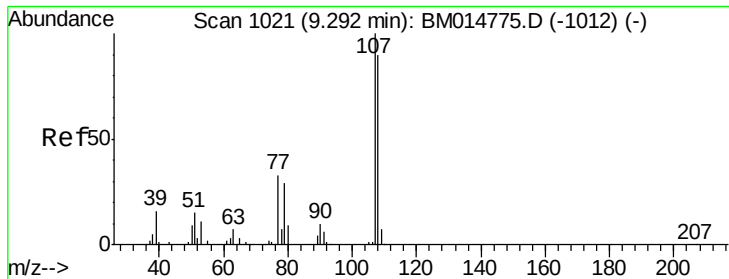


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 12.863 ng/ul
 RT: 9.06 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	45	Resp	503712
Ion	Ratio	Lower	Upper
45	100		
77	10.5	8.0	12.0
79	8.5	8.0	12.0





#16

4-Methylphenol

Concen: 38.623 ng/ul

RT: 9.29 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

DASM4

Tot Ion:108 Resp: 809270

Ion Ratio Lower Upper

108 100

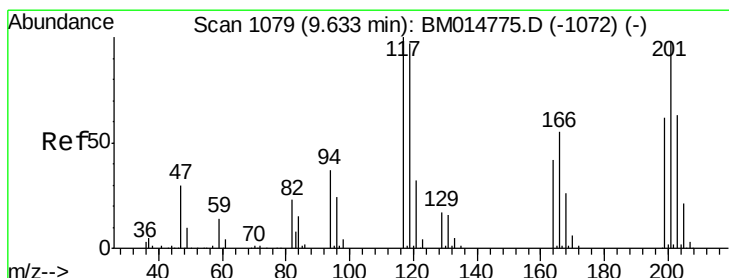
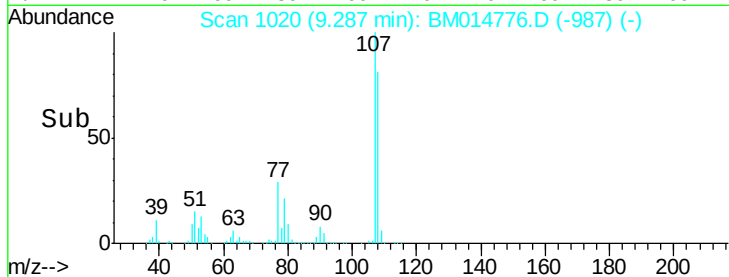
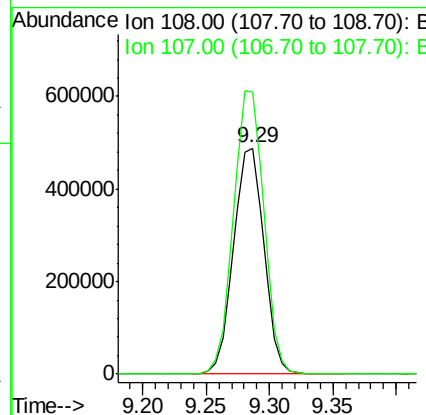
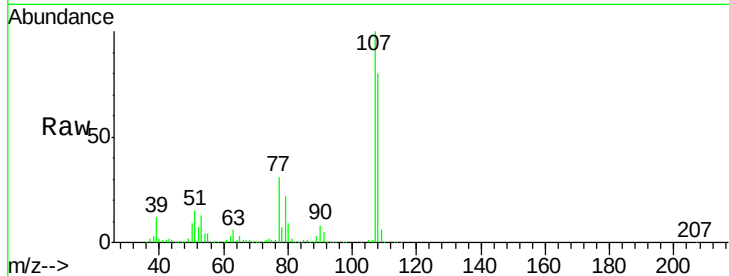
107 124.7 84.9 127.3

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#17

Hexachloroethane

Concen: 46.319 ng/ul

RT: 9.63 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

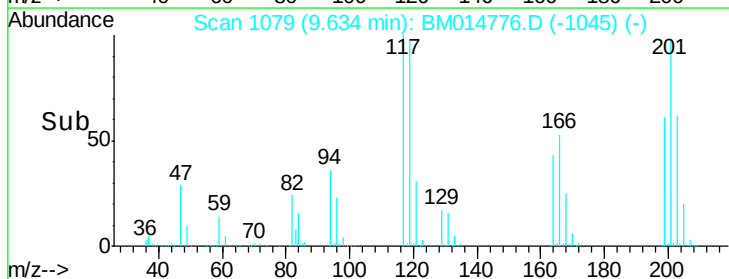
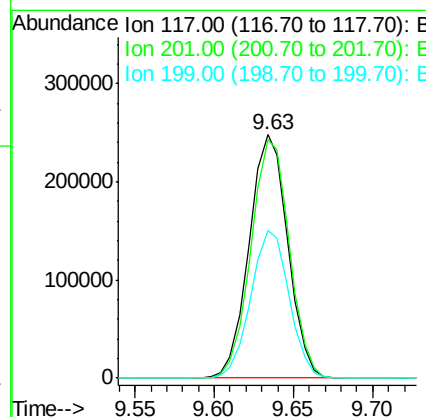
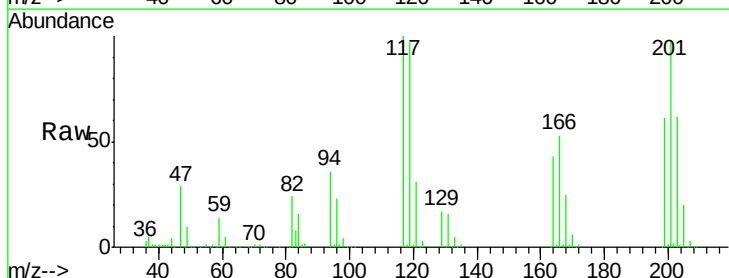
Tgt Ion:117 Resp: 420247

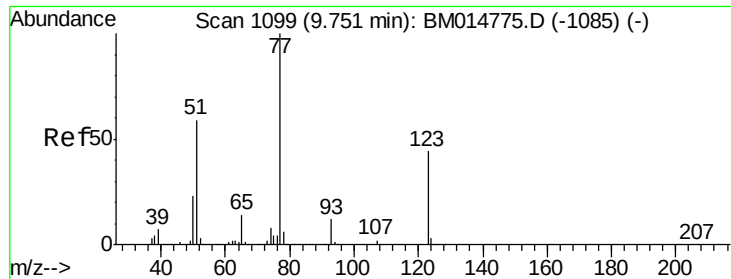
Ion Ratio Lower Upper

117 100

201 98.0 111.6 167.4#

199 60.6 67.8 101.6#





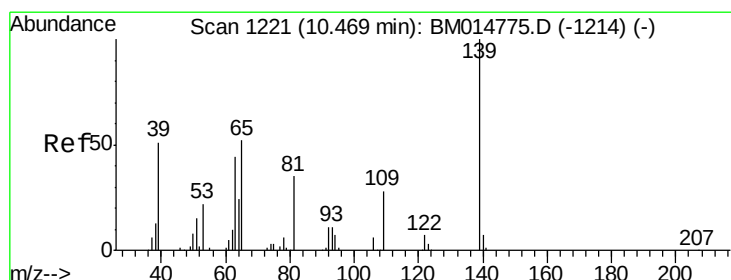
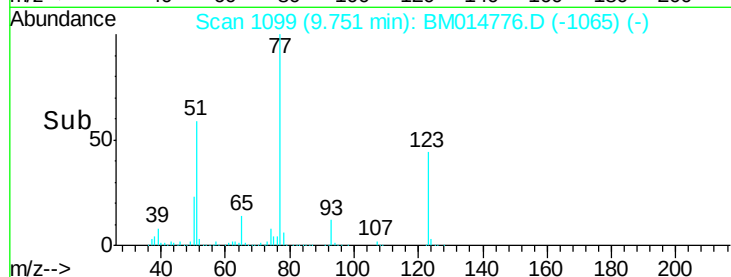
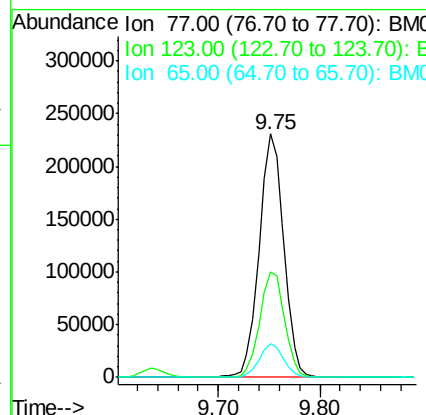
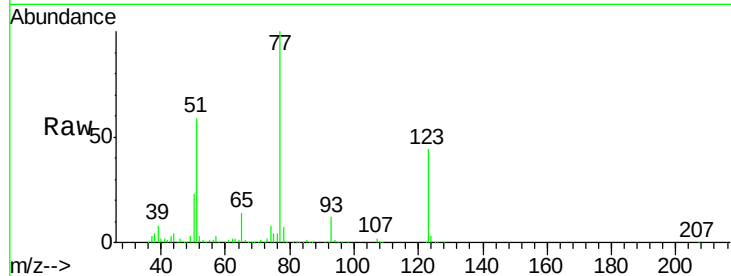
#20
Nitrobenzene
Concen: 15.414 ng/ul
RT: 9.75 min Scan# 1099
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Instrument :
BNA_M
ClientSampled :
DASM4

Tot Ion	Ratio	Lower	Upper
77	100		
123	43.5	31.0	46.6
65	13.7	12.2	18.2

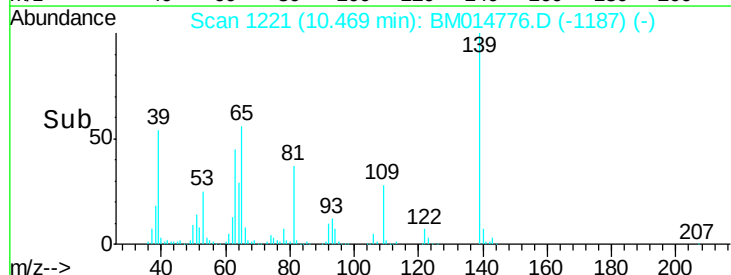
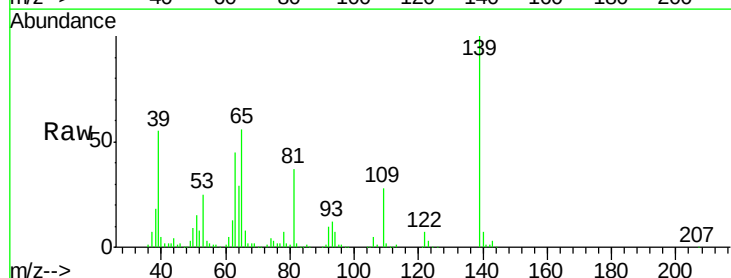
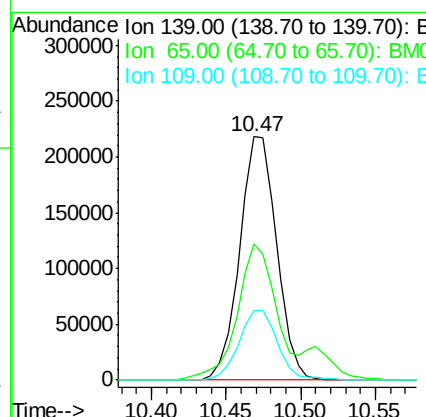
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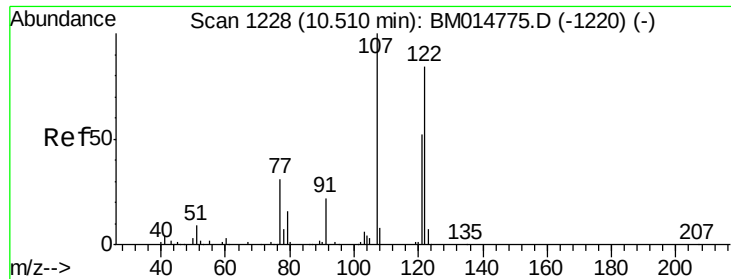
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#23
2-Nitrophenol
Concen: 33.167 ng/ul
RT: 10.47 min Scan# 1221
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
139	100		
65	55.8	55.4	83.0
109	28.3	42.2	63.2#





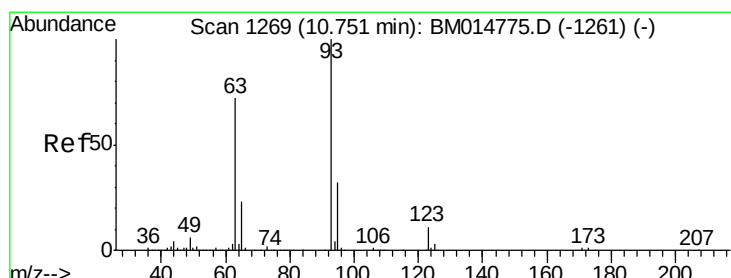
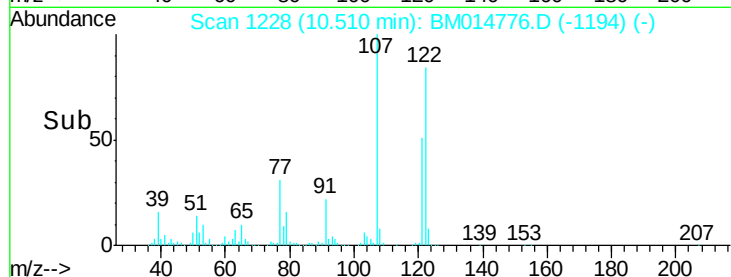
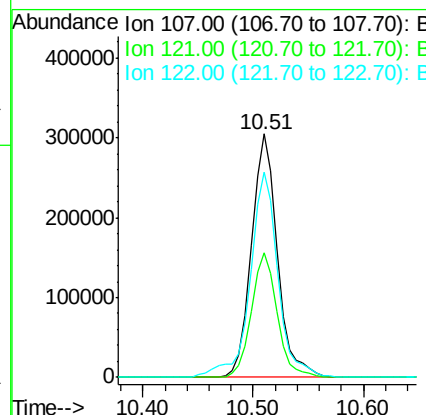
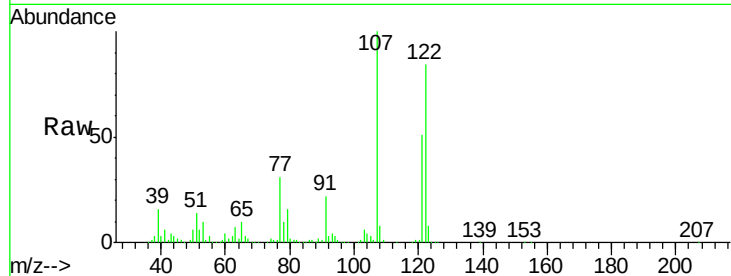
#24
 2,4-Dimethylphenol
 Concen: 21.176 ng/ul
 RT: 10.51 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampled :
 DASM4

Tot Ion	Ratio	Resp	Lower	Upper
107	100	506391		
121	51.1	31.9	47.9#	
122	84.4	57.8	86.6	

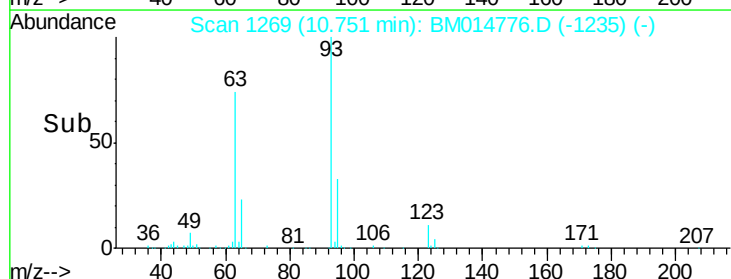
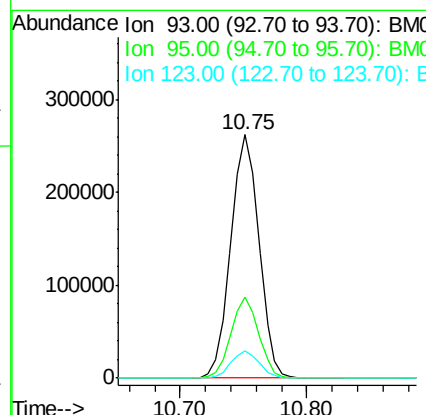
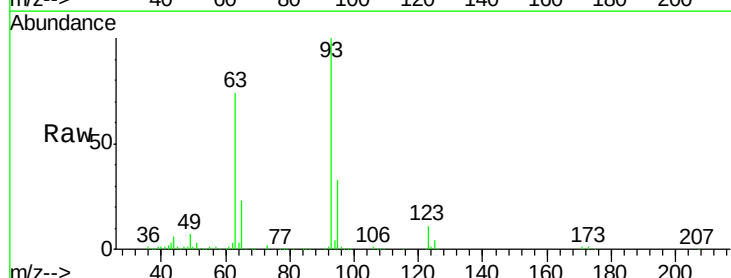
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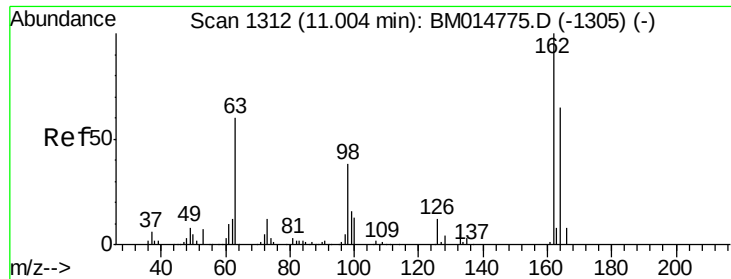
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#25
 Bis(2-Chloroethoxy)methane
 Concen: 14.068 ng/ul
 RT: 10.75 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	404235		
95	33.0	28.5	42.7	
123	11.2	8.9	13.3	





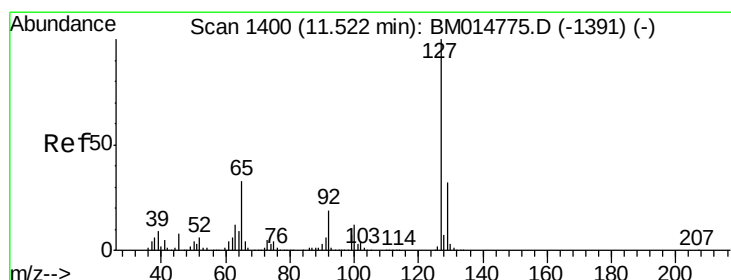
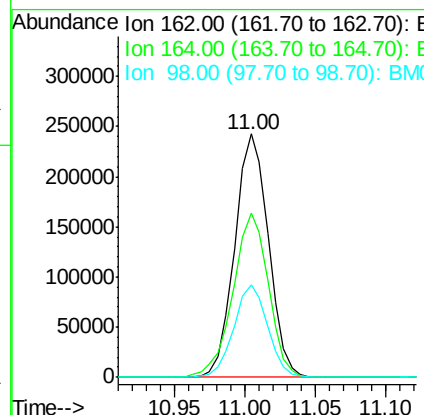
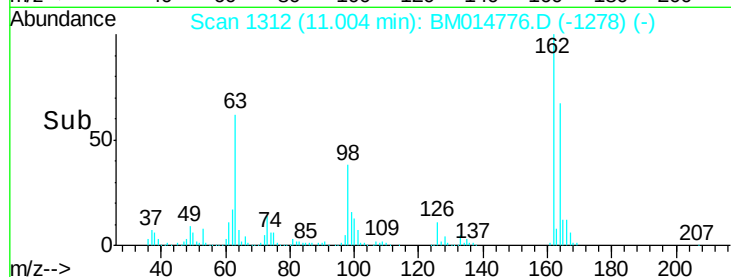
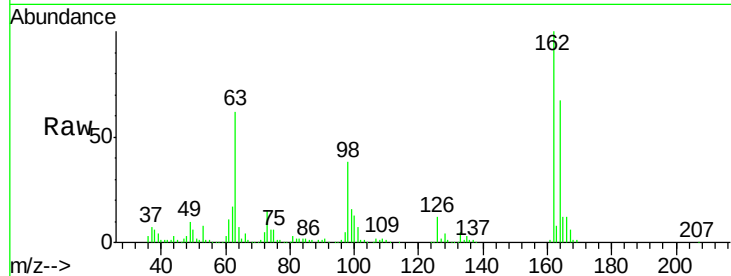
#27
 2,4-Dichlorophenol
 Concen: 19.945 ng/ul
 RT: 11.00 min Scan# 1312
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
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 DASM4

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	67.5	47.8	71.6	
98	37.9	23.0	34.4	

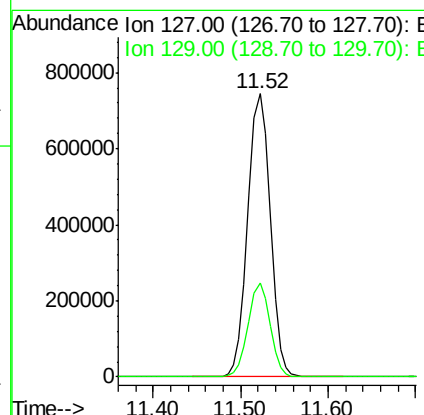
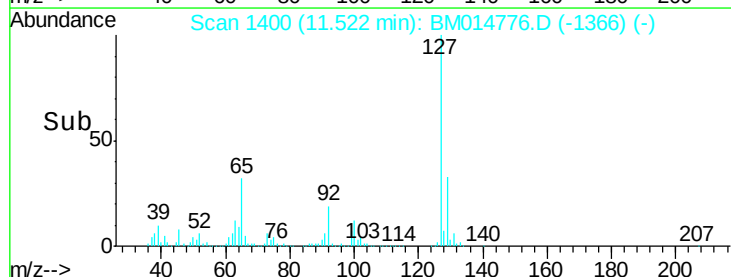
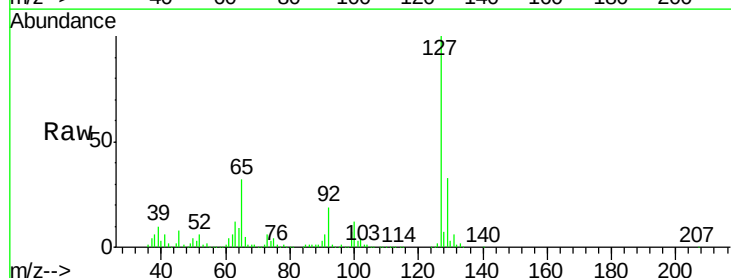
Manual Integrations
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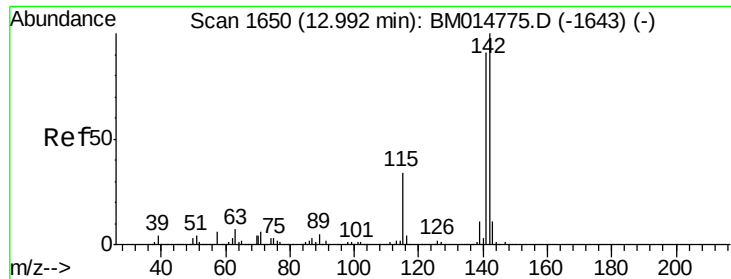
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#30
 4-Chloroaniline
 Concen: 63.796 ng/ul
 RT: 11.52 min Scan# 1400
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.2	28.4	42.6	





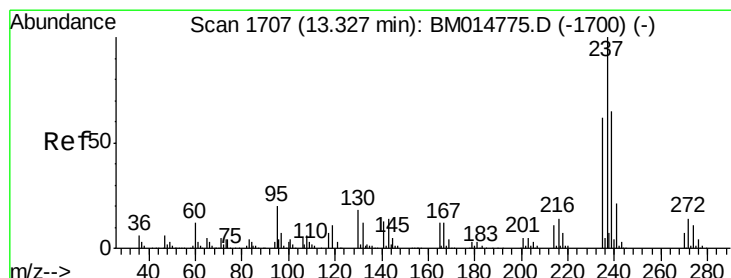
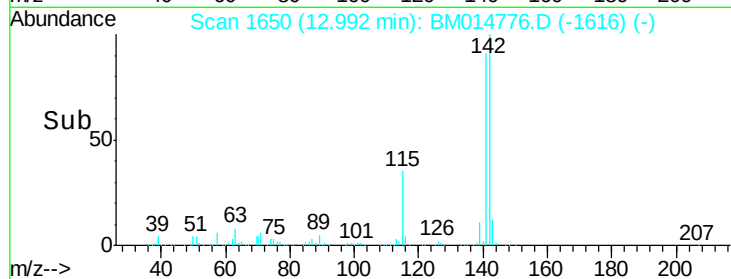
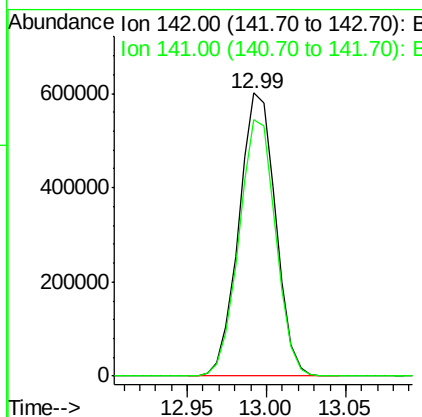
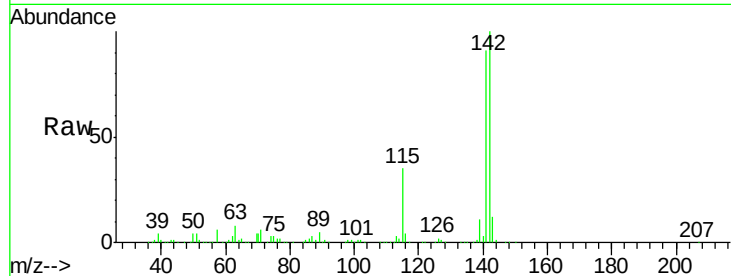
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 2-Methylnaphthalene
 Concen: 19.692 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampled :
 DASM4

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.1	111.1

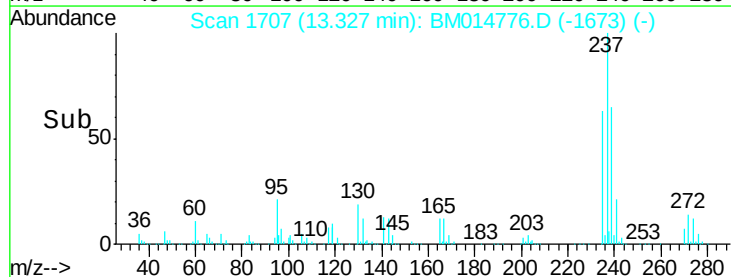
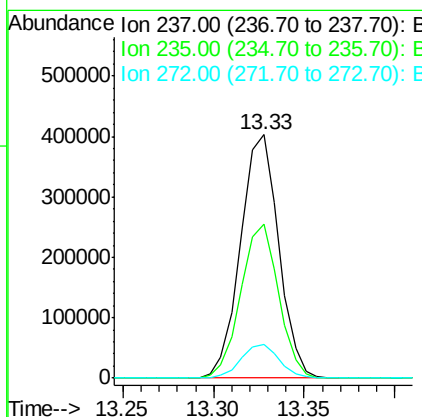
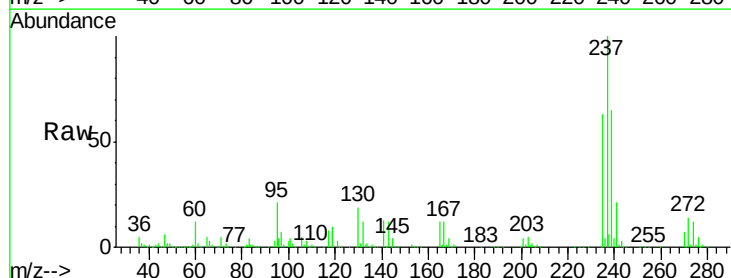
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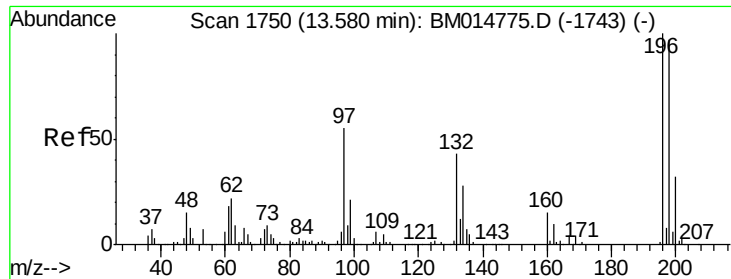
Sohil
 4/24/2018 7:13:29 PM



#37
 Hexachlorocyclopentadiene
 Concen: 36.144 ng/ul
 RT: 13.33 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.1	50.2	75.4
272	14.1	11.0	16.6





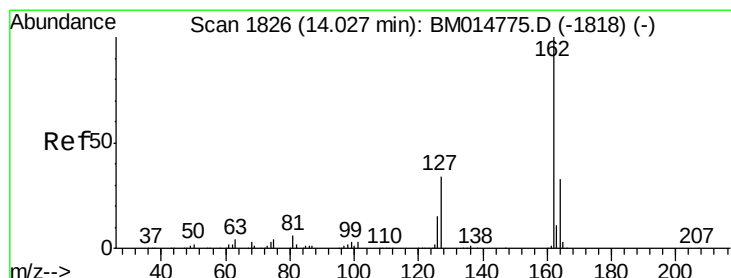
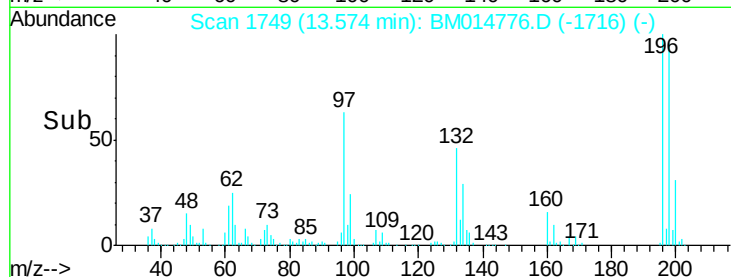
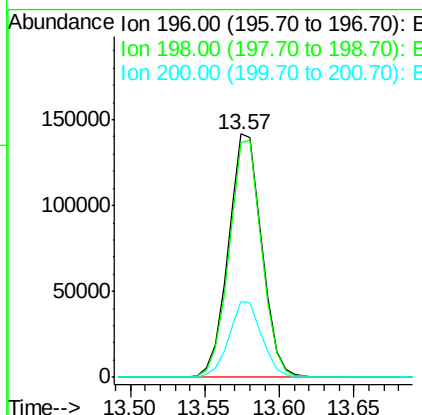
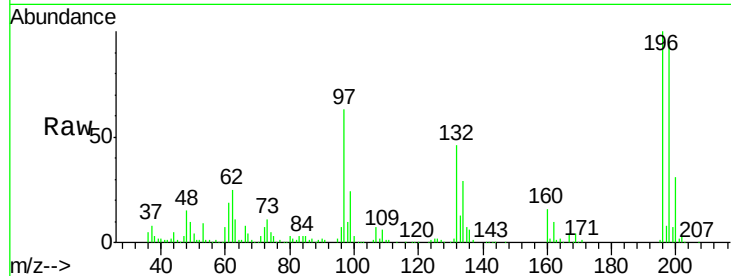
#38
 2,4,6-Trichlorophenol
 Concen: 15.091 ng/ul
 RT: 13.57 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampled :
 DASM4

Tot Ion	Ratio	Resp	Lower	Upper
196	100	221241		
198	96.3	74.1	111.1	
200	31.2	25.2	37.8	

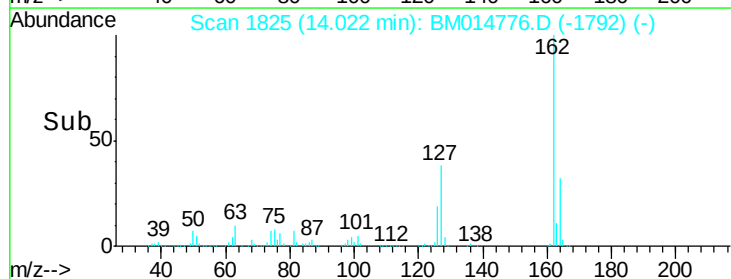
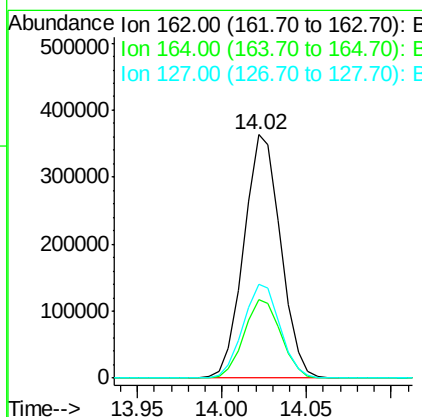
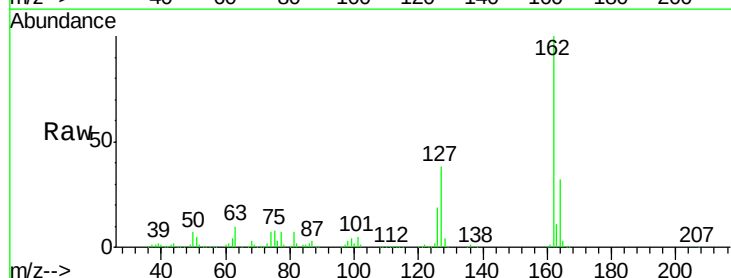
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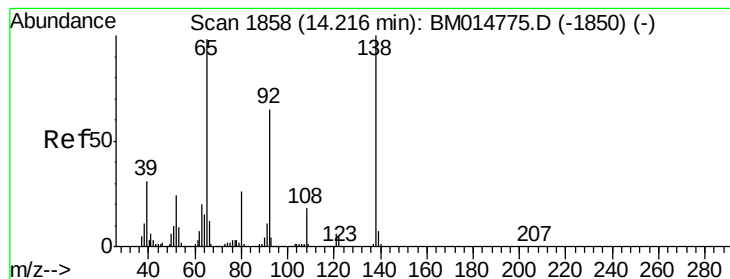
Sohil
 4/24/2018 7:13:29 PM



#41
 2-Chloronaphthalene
 Concen: 11.667 ng/ul
 RT: 14.02 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	551636		
164	32.3	25.9	38.9	
127	38.4	29.4	44.2	





#42

2-Nitroaniline

Concen: 63.439 ng/ul

RT: 14.22 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

ClientSampleId :

DASM4

Tot Ion: 65 Resp: 793771

Ion Ratio Lower Upper

65 100

92 66.1 51.8 77.6

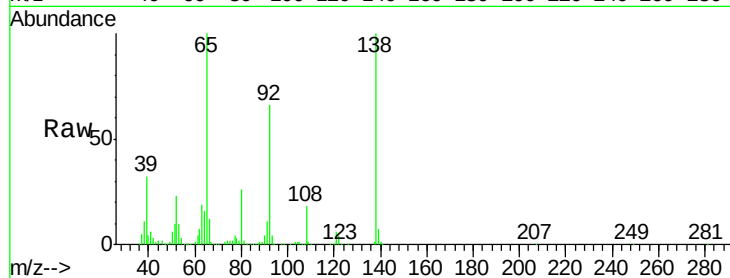
138 100.5 74.2 111.4

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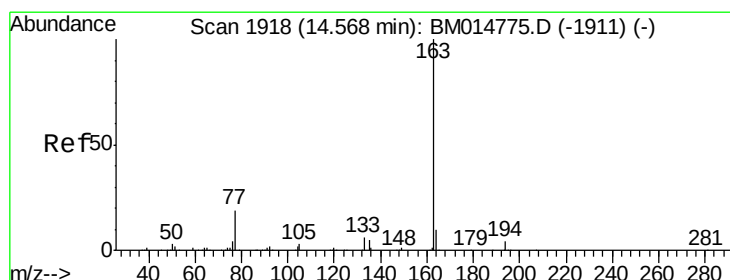
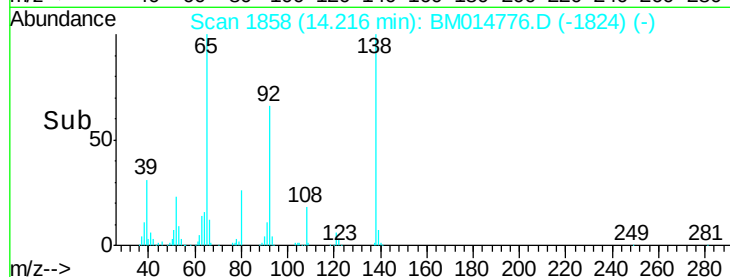
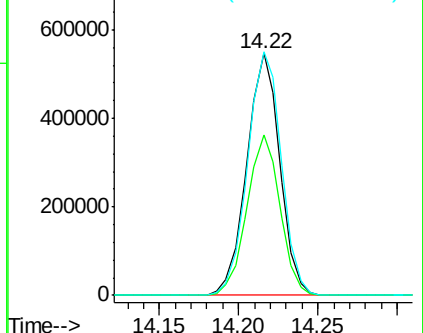
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Abundance Ion 65.00 (64.70 to 65.70): BM014775.D (-1850) (-)

Ion 92.00 (91.70 to 92.70): BM014775.D (-1850) (-)

Ion 138.00 (137.70 to 138.70): BM014775.D (-1850) (-)



#44

Dimethylphthalate

Concen: 26.883 ng/ul

RT: 14.57 min Scan# 1918

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

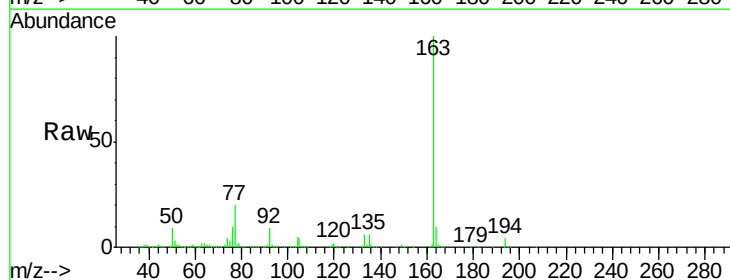
Tgt Ion:163 Resp: 1535963

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

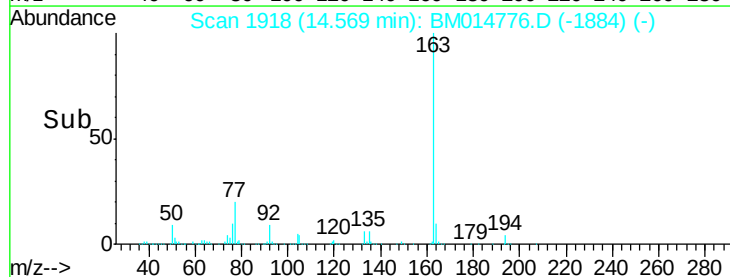
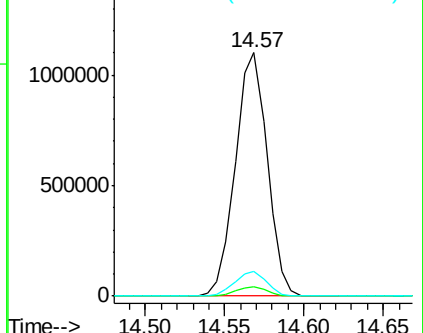
164 10.2 8.2 12.4

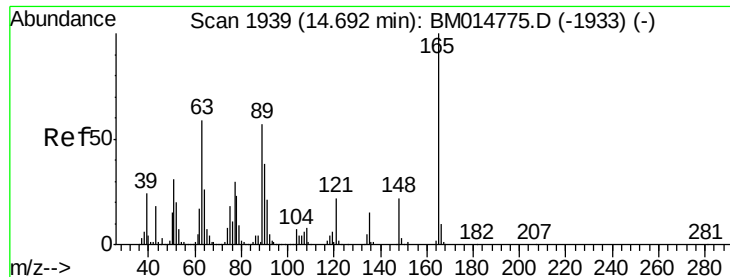


Abundance Ion 163.00 (162.70 to 163.70): BM014775.D (-1911) (-)

Ion 194.00 (193.70 to 194.70): BM014775.D (-1911) (-)

Ion 164.00 (163.70 to 164.70): BM014775.D (-1911) (-)





#45

2,6-Dinitrotoluene

Concen: 13.581 ng/ul

RT: 14.69 min Scan# 1939

Delta R.T. 0.00 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Instrument :

BNA_M

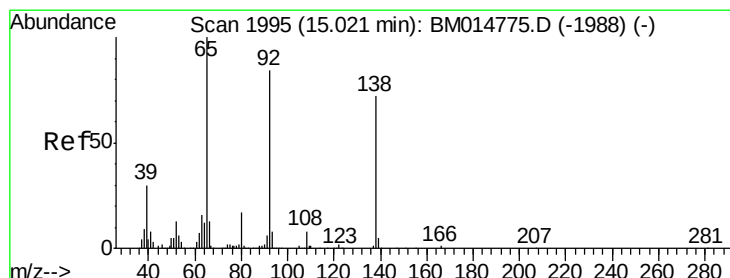
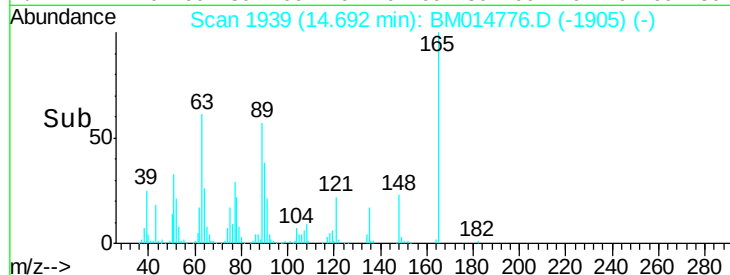
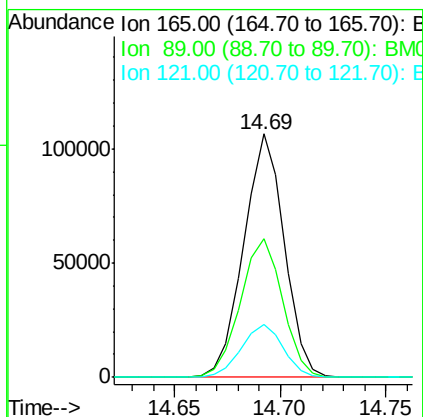
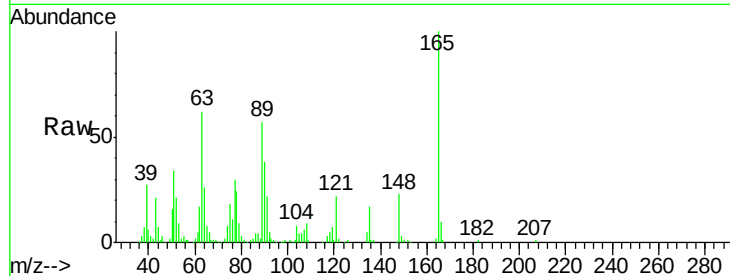
ClientSampled :

DASM4

Tot Ion:	165	Resp:	142318
Ion Ratio		Lower	Upper
165	100		
89	56.7	52.6	79.0
121	21.5	14.6	22.0

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#48

3-Nitroaniline

Concen: 67.764 ng/ul

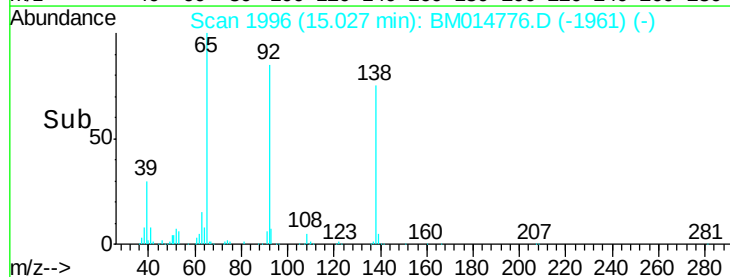
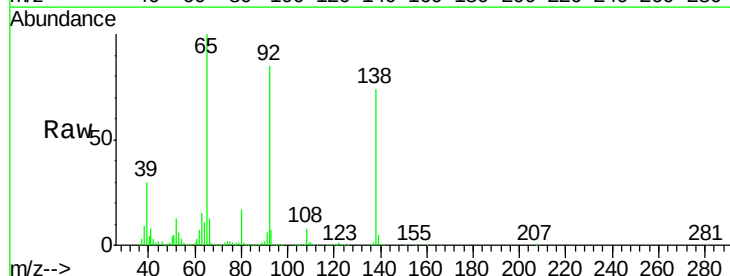
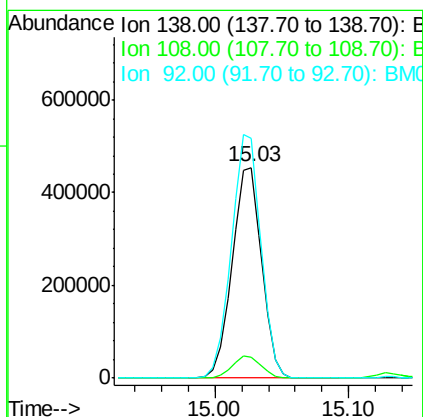
RT: 15.03 min Scan# 1996

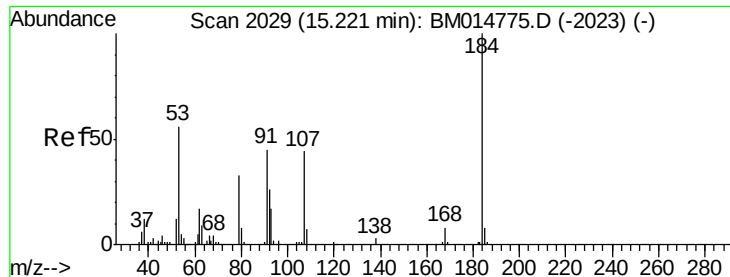
Delta R.T. 0.01 min

Lab File: BM014776.D

Acq: 23 Apr 2018 13:53

Tgt Ion:	138	Resp:	698770
Ion Ratio		Lower	Upper
138	100		
108	10.2	9.9	14.9
92	114.1	105.0	157.4





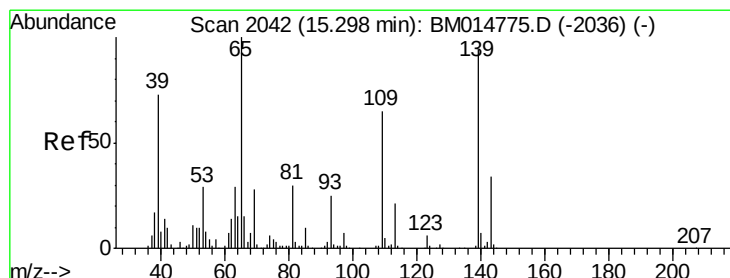
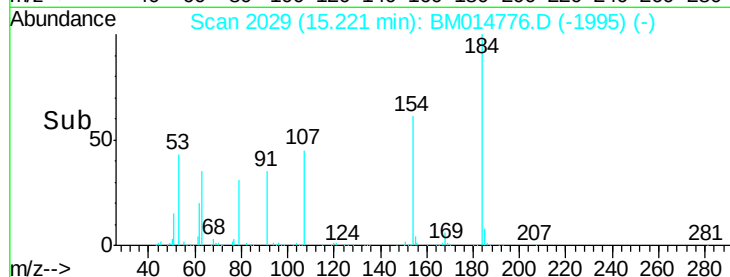
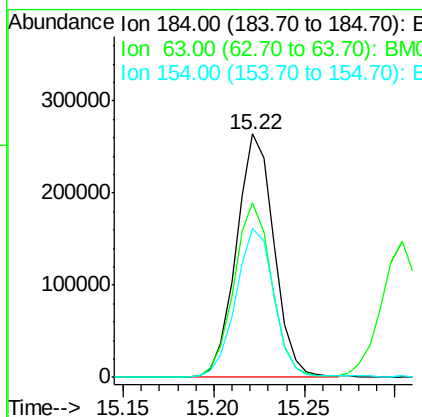
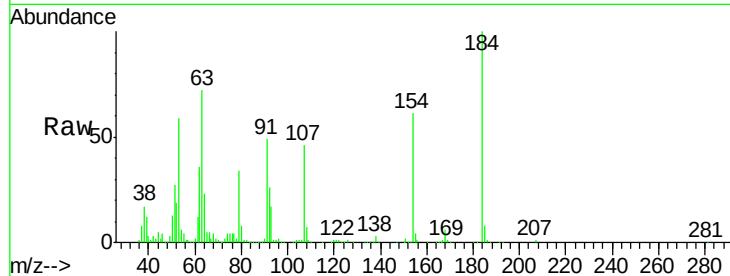
#50
2,4-Dinitrophenol
Concen: 65.588 ng/ul
RT: 15.22 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Instrument :
BNA_M
ClientSampled :
DASM4

Tot Ion	Ratio	Resp	Lower	Upper
184	100	381624		
63	71.5	50.1	75.1	
154	61.3	54.5	81.7	

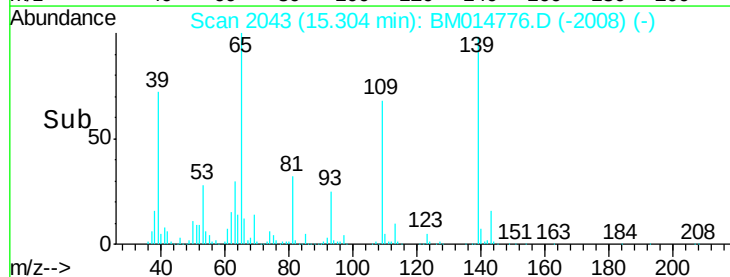
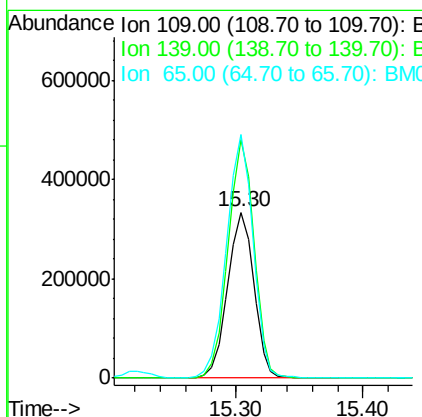
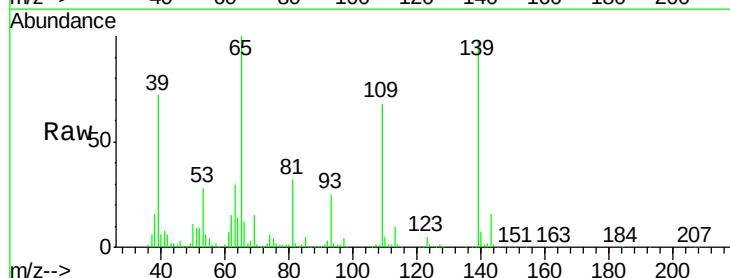
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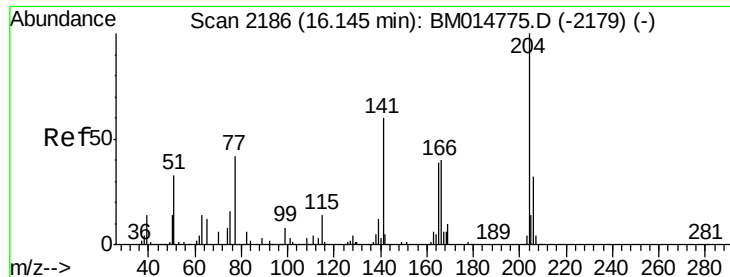
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#52
4-Nitrophenol
Concen: 60.912 ng/ul
RT: 15.30 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BM014776.D
Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	481525		
139	144.2	80.0	120.0	#
65	146.8	120.0	180.0	





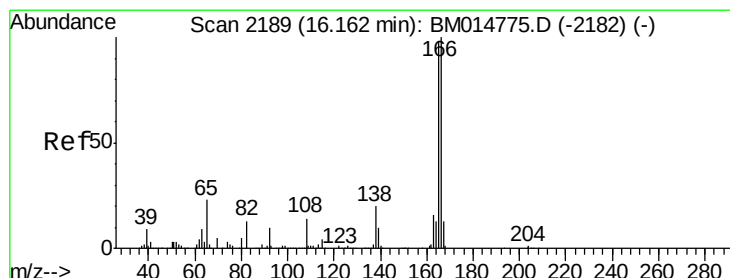
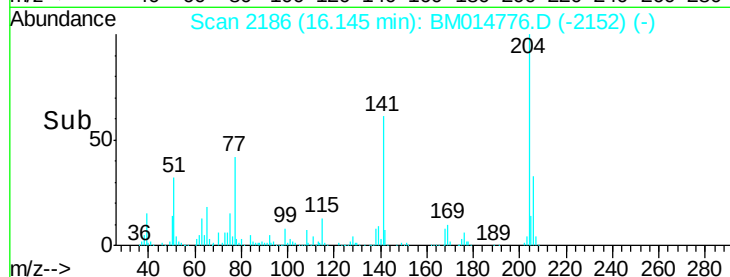
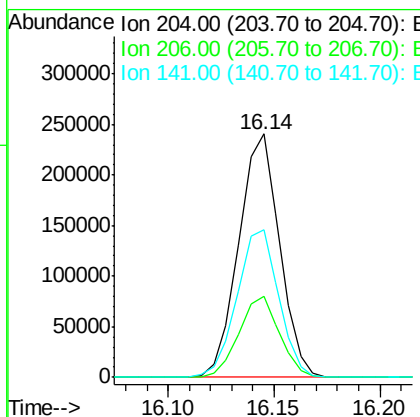
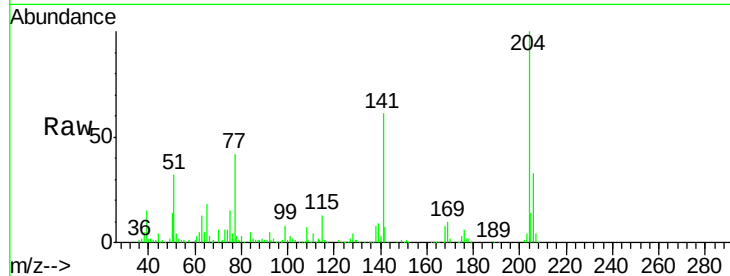
#59
 4-Chlorophenyl-phenylether
 Concen: 11.455 ng/ul
 RT: 16.14 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampleId :
 DASM4

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	24.8	37.2
141	60.7	44.3	66.5

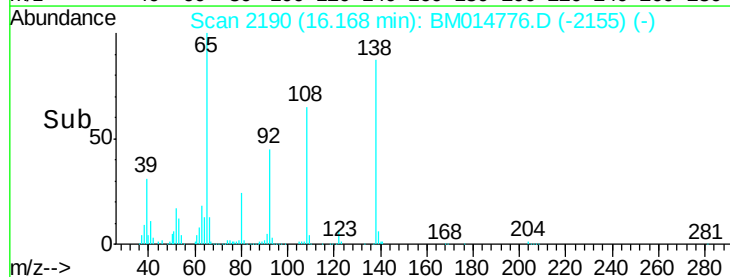
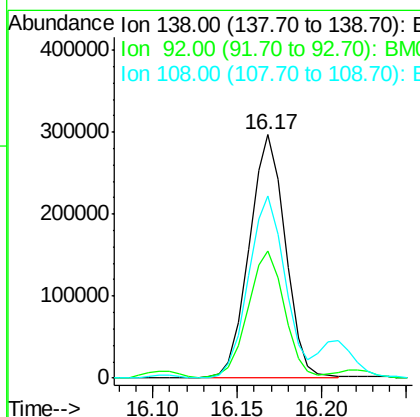
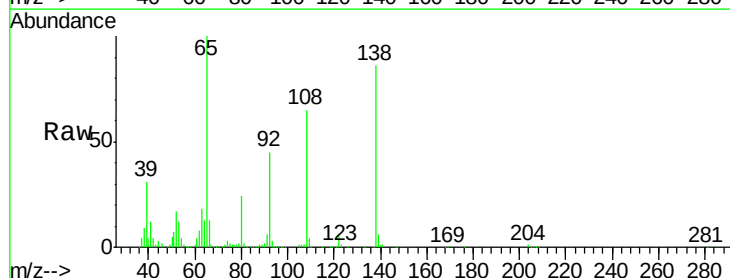
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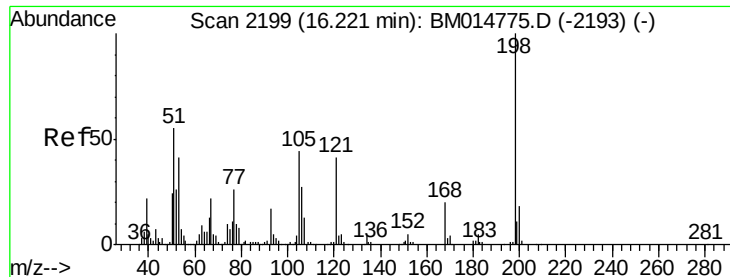
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#60
 4-Nitroaniline
 Concen: 36.639 ng/ul
 RT: 16.17 min Scan# 2190
 Delta R.T. 0.01 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.3	40.0	60.0
108	74.9	80.0	120.0





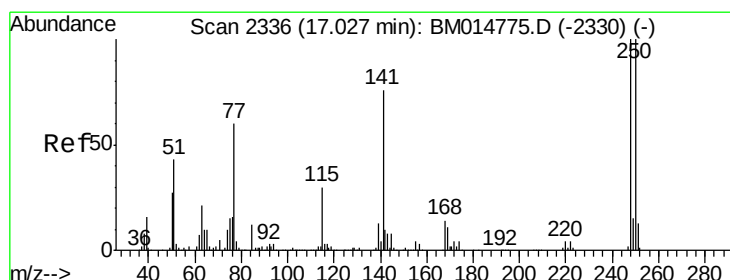
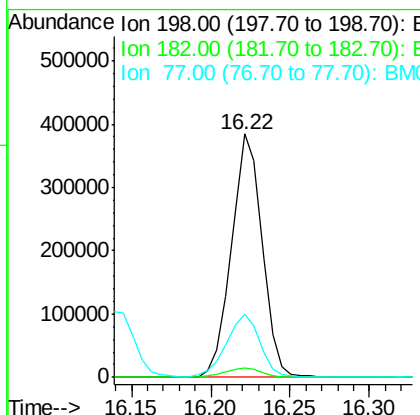
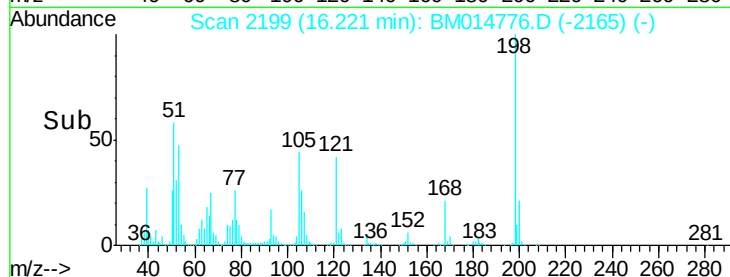
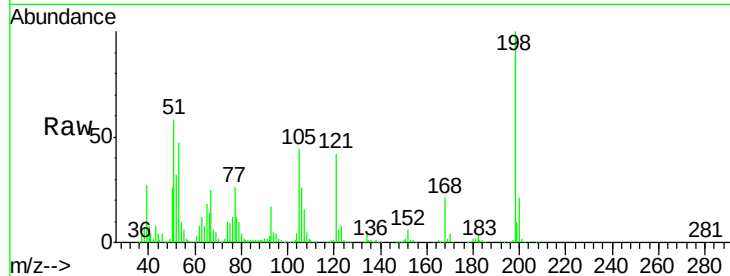
#63
 4,6-Dinitro-2-methylphenol
 Concen: 58.901 ng/ul
 RT: 16.22 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampled :
 DASM4

Tot Ion	Ratio	Resp	Lower	Upper
198	100	515316		
182	4.0		3.8	5.6
77	25.8		25.2	37.8

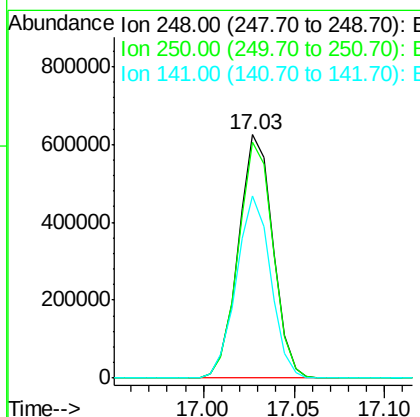
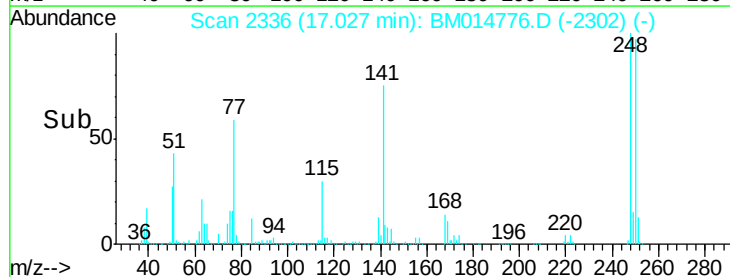
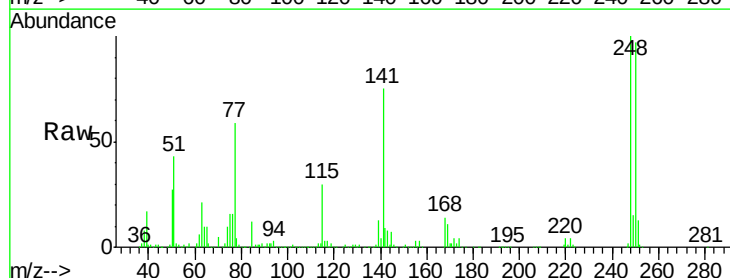
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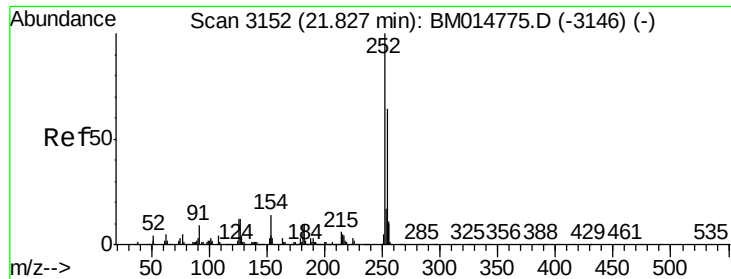
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#65
 4-Bromophenyl-phenylether
 Concen: 50.272 ng/ul
 RT: 17.03 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	826161		
250	97.1		80.5	120.7
141	74.8		53.6	80.4





#79
 3,3'-Dichlorobenzidine
 Concen: 24.157 ng/ul
 RT: 21.83 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: BM014776.D
 Acq: 23 Apr 2018 13:53

Instrument :
 BNA_M
 ClientSampleId :
 DASM4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.4	54.5	81.7
126	12.7	5.8	8.8

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