

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
 Data File : BG028316.D
 Acq On : 14 Aug 2017 14:06
 Operator : SJ/JU
 Sample : I4489-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 X2A52

Manual Integrations
 APPROVED

Sohil
 8/15/2017 6:01:24 PM

Quant Time: Aug 15 06:14:56 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 15 06:10:30 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	43121	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	197009	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.97	164	147434	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.72	188	358728	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	389302	20.00	ng/ul	0.00
83) Perylene-d12	25.56	264	331369	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.84	96	5176	5.59	ng/uL	0.00
5) Phenol-d5	7.51	99	126994	26.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	83704	27.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.90	132	90109	30.16	ng/ul	0.00
13) 4-Methylphenol-d8	9.06	113	112239	28.36	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	50004	32.46	ng/ul	0.00
22) 2-Nitrophenol-d4	10.26	143	59758	35.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	114995	32.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.31	131	160758	41.33	ng/ul	0.00
43) Dimethylphthalate-d6	14.36	166	444514	33.90	ng/ul	0.00
46) Acenaphthylene-d8	14.67	160	474507	32.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.17	143	73057	35.04	ng/ul	0.00
57) Fluorene-d10	15.96	176	372517	31.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.08	200	92113	39.53	ng/ul	0.00
70) Anthracene-d10	17.82	188	612172	35.59	ng/ul	0.00
76) Pyrene-d10	20.09	212	681006	34.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.32	264	604760	38.98	ng/ul	0.00

Target Compounds

					Qvalue
8) Bis(2-Chloroethyl)ether	7.77	93	55950	17.451	ng/ul 97
12) 2,2'-oxybis(1-Chloropropan	8.87	45	98800	12.695	ng/ul# 91
16) 4-Methylphenol	9.11	108	156676	41.766	ng/ul 94
17) Hexachloroethane	9.45	117	67486	55.938	ng/ul 93
20) Nitrobenzene	9.57	77	80057	17.952	ng/ul# 89
23) 2-Nitrophenol	10.29	139	69410	40.705	ng/ul# 84
24) 2,4-Dimethylphenol	10.33	107	112267	26.489	ng/ul 97
25) Bis(2-Chloroethoxy)methane	10.56	93	79102	17.140	ng/ul 99
27) 2,4-Dichlorophenol	10.82	162	88246	27.739	ng/ul 94
30) 4-Chloroaniline	11.34	127	251914	66.806	ng/ul 94
34) 2-Methylnaphthalene	12.81	142	201058	25.654	ng/ul 92
37) Hexachlorocyclopentadiene	13.14	237	128051	48.833	ng/ul 99
38) 2,4,6-Trichlorophenol	13.41	196	63090	21.300	ng/ul 95
41) 2-Chloronaphthalene	13.85	162	124799	14.666	ng/ul 91
42) 2-Nitroaniline	14.05	65	245831	68.904	ng/ul 97
44) Dimethylphthalate	14.41	163	383252	31.742	ng/ul 99
45) 2,6-Dinitrotoluene	14.54	165	41693	16.725	ng/ul# 87
48) 3-Nitroaniline	14.88	138	163760	72.953	ng/ul# 98
50) 2,4-Dinitrophenol	15.08	184	115001	81.876	ng/ul 92
52) 4-Nitrophenol	15.18	109	131548	60.893	ng/ul# 75
59) 4-Chlorophenyl-phenylether	15.99	204	102675	15.552	ng/ul# 84
60) 4-Nitroaniline	16.04	138	107041m	40.193	ng/ul
63) 4,6-Dinitro-2-methylphenol	16.09	198	159165	67.359	ng/ul# 96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 15 06:10:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 4-Bromophenyl-phenylether	16.89	248	281984	73.136	ng/ul	92
79) 3,3'-Dichlorobenzidine	21.93	252	205866	27.409	ng/ul	98

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

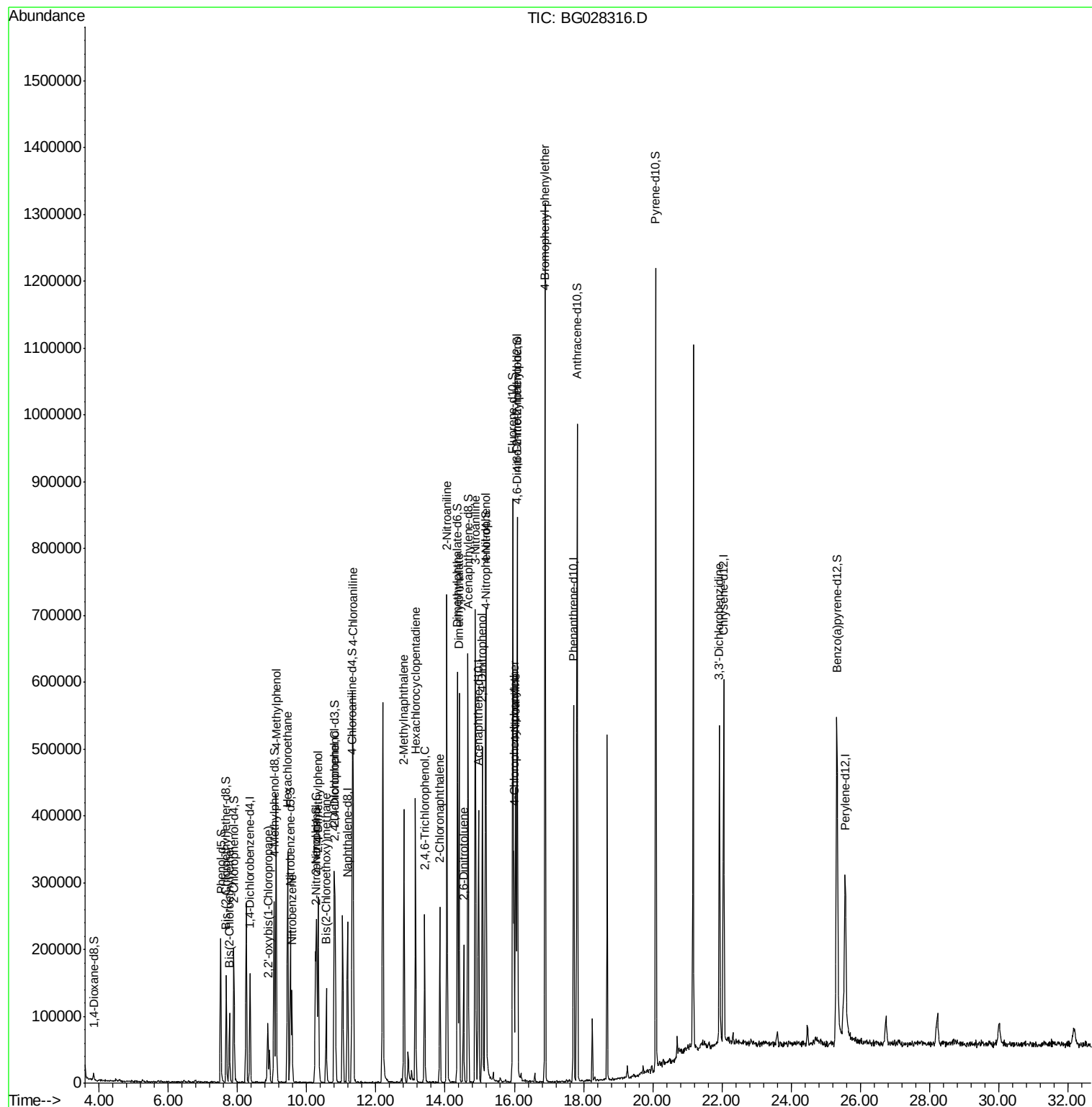
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081417\
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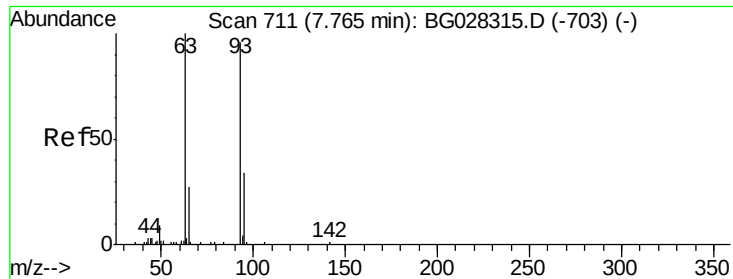
Instrument :
BNA_G
ClientSampled :
X2A52

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#8

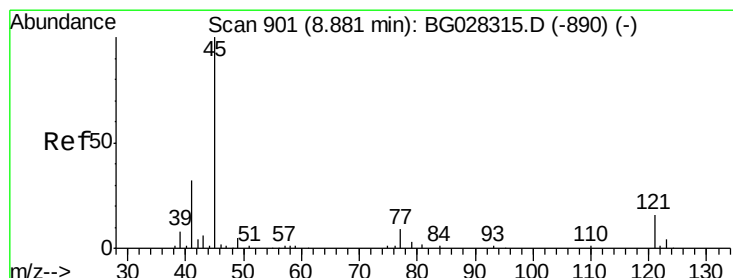
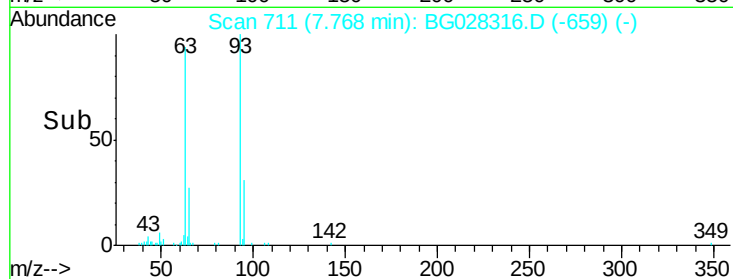
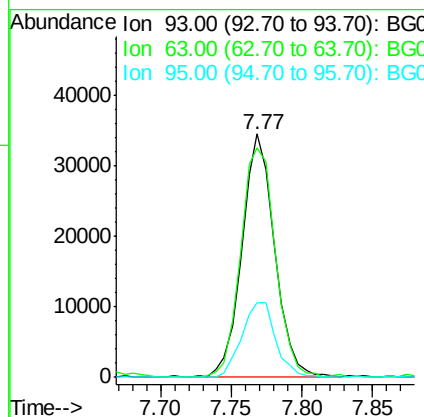
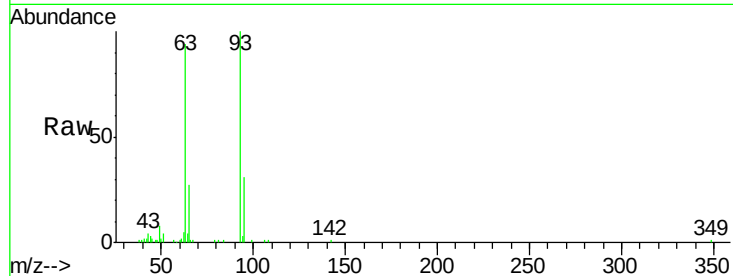
Bis(2-Chloroethyl)ether
 Concen: 17.451 ng/ul
 RT: 7.77 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Instrument :
 BNA_G
 ClientSampleId :
 X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	55950		
63	94.2	75.5	113.3	
95	30.8	29.2	43.8	

Manual Integrations
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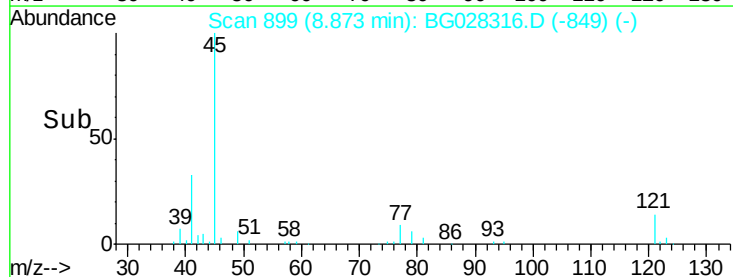
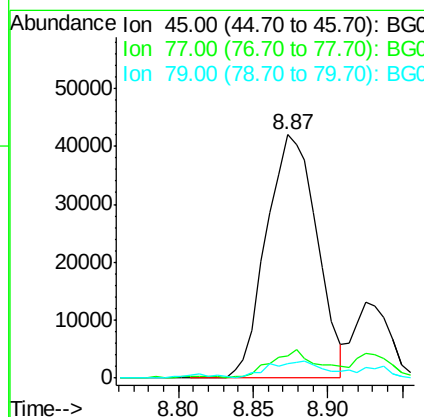
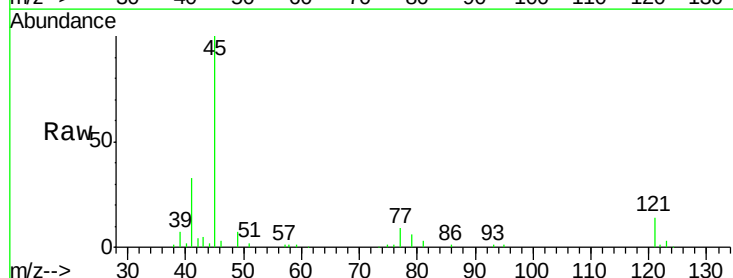
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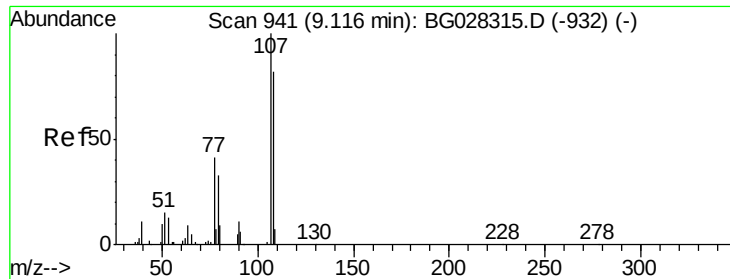


#12

2,2'-oxybis(1-Chloropropane)
 Concen: 12.695 ng/ul
 RT: 8.87 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	98800		
77	9.0	10.0	15.0#	
79	5.8	7.3	10.9#	





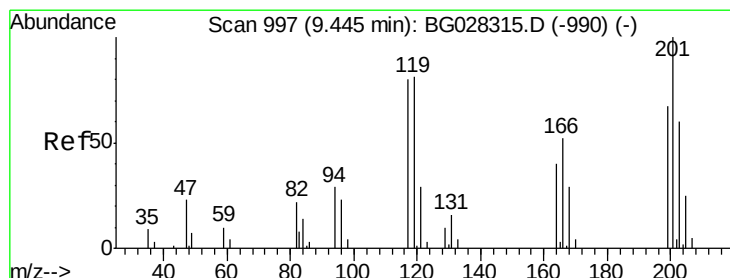
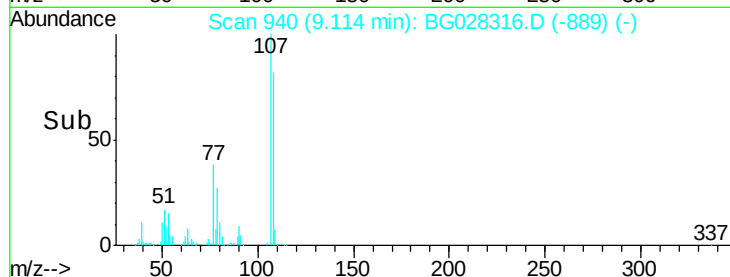
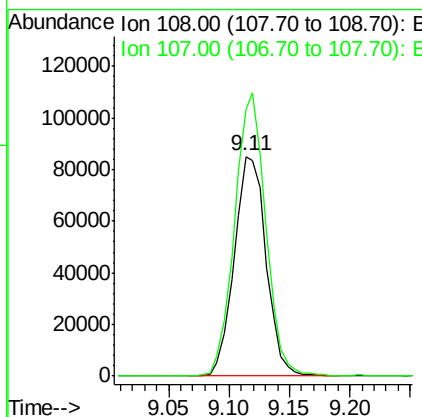
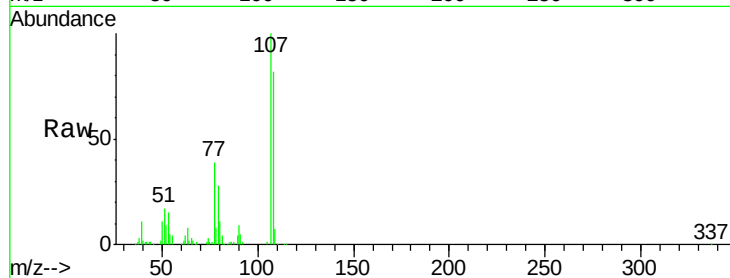
#16
4-Methylphenol
Concen: 41.766 ng/ul
RT: 9.11 min Scan# 940
Delta R.T. -0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Instrument :
BNA_G
ClientSampleId :
X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
108	100	156676		
107	121.5	91.7	137.5	

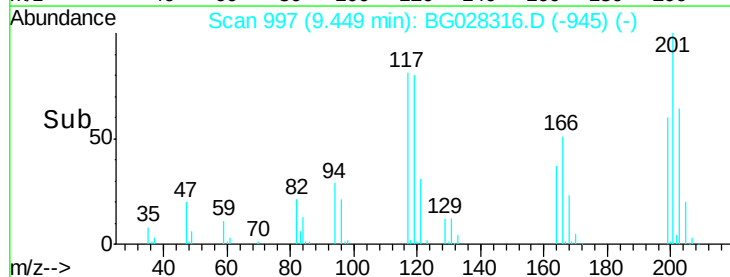
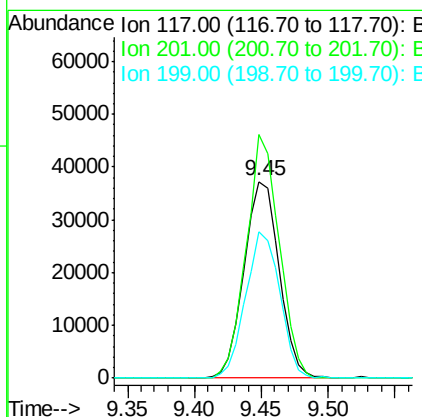
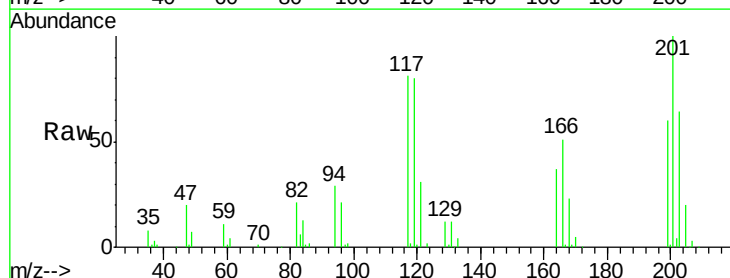
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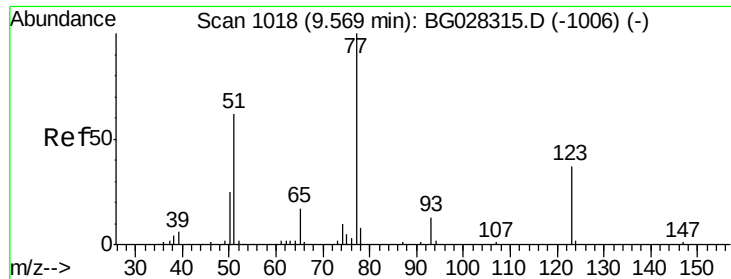
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#17
Hexachloroethane
Concen: 55.938 ng/ul
RT: 9.45 min Scan# 997
Delta R.T. 0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	67486		
201	123.8	91.9	137.9	
199	76.1	64.3	96.5	





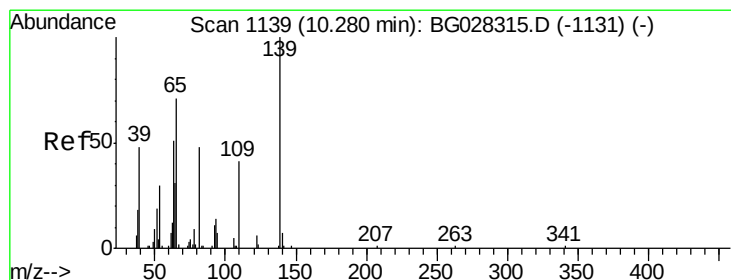
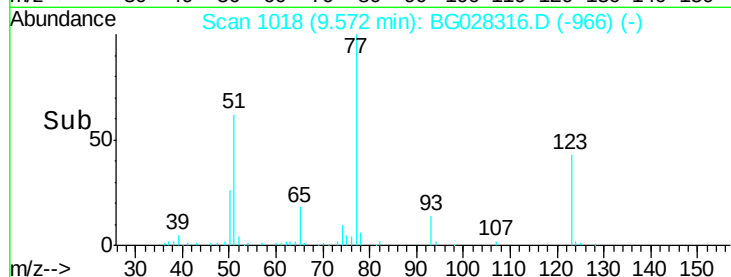
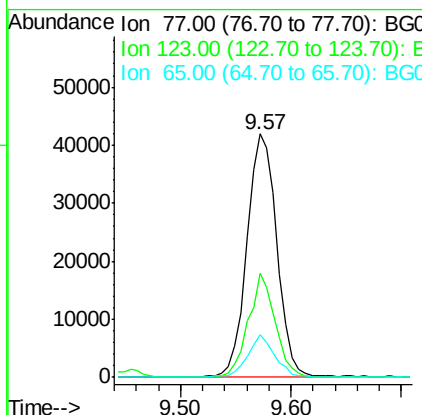
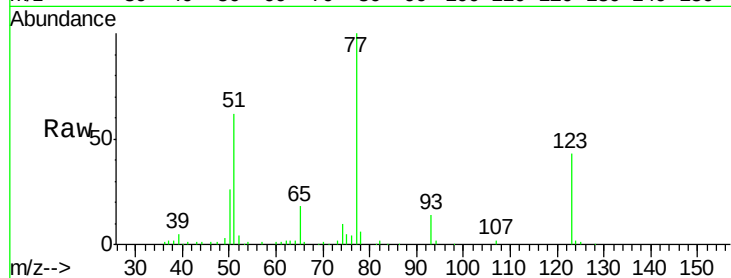
#20
Nitrobenzene
Concen: 17.952 ng/ul
RT: 9.57 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Instrument :
BNA_G
ClientSampled :
X2A52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.8	27.4	41.0#
65	17.8	13.3	19.9

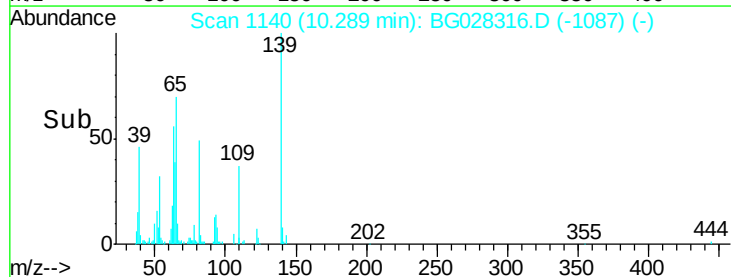
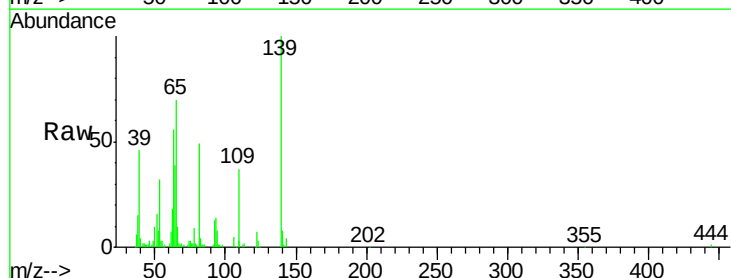
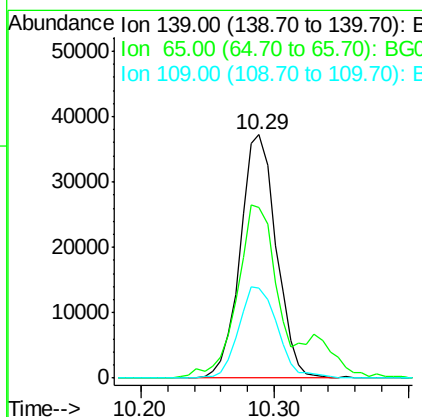
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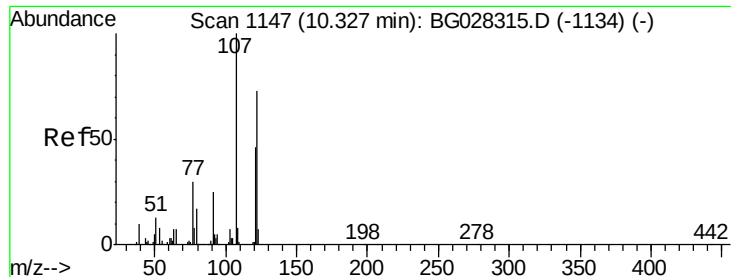
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#23
2-Nitrophenol
Concen: 40.705 ng/ul
RT: 10.29 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Lower	Upper
139	100		
65	70.3	67.0	100.6
109	37.0	39.6	59.4#





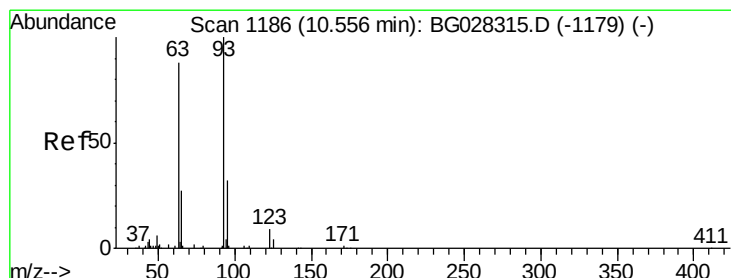
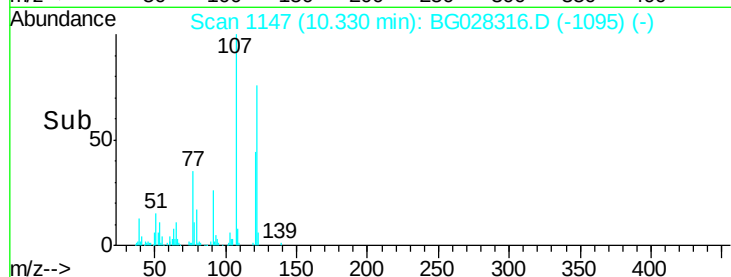
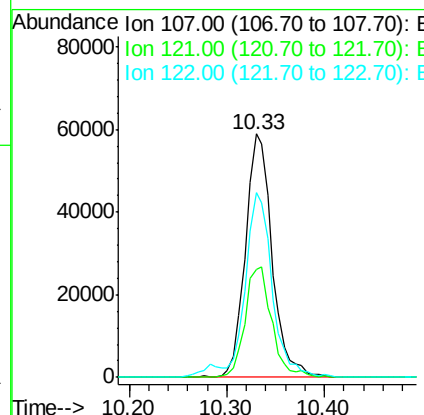
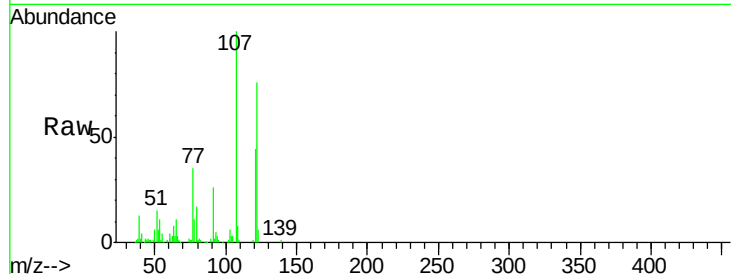
#24
2,4-Dimethylphenol
Concen: 26.489 ng/ul
RT: 10.33 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Instrument :
BNA_G
ClientSampleId :
X2A52

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
121	44.3	32.3	48.5
122	75.9	61.2	91.8

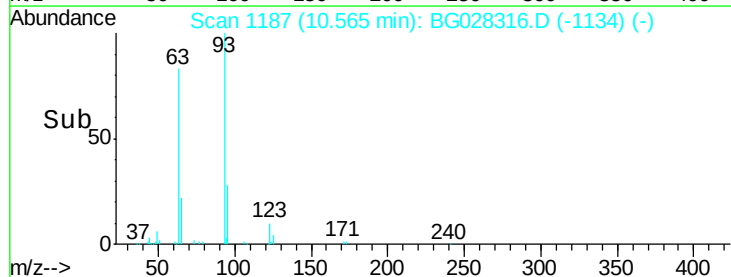
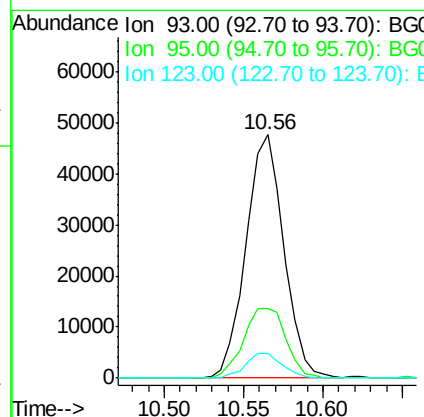
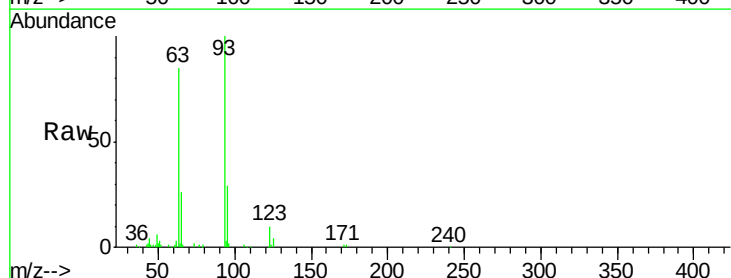
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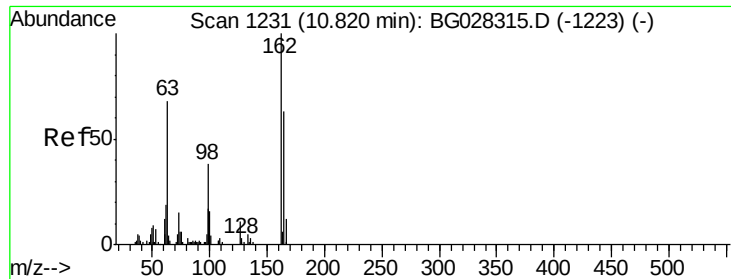
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#25
Bis(2-Chloroethoxy)methane
Concen: 17.140 ng/ul
RT: 10.56 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
95	28.8	23.4	35.0
123	10.0	7.8	11.6





#27

2,4-Dichlorophenol

Concen: 27.739 ng/ul

RT: 10.82 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

Instrument :

BNA_G

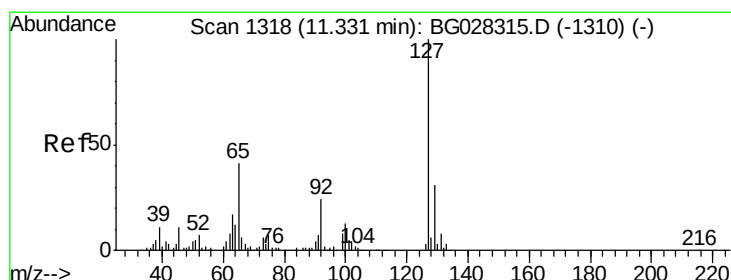
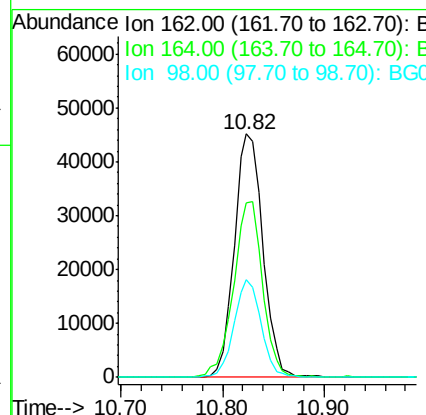
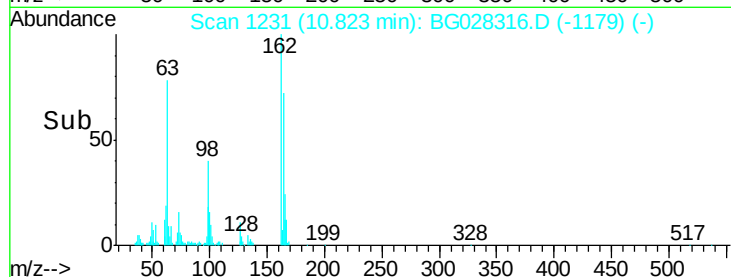
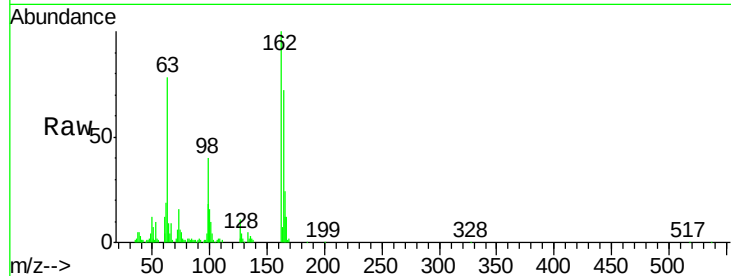
ClientSampleId :

X2A52

Tgt Ion:	162	Resp:	88246
Ion Ratio	Lower	Upper	
162	100		
164	71.6	50.8	76.2
98	40.1	32.1	48.1

Manual Integrations
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#30

4-Chloroaniline

Concen: 66.806 ng/ul

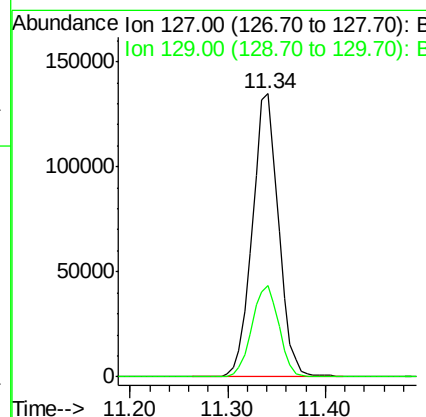
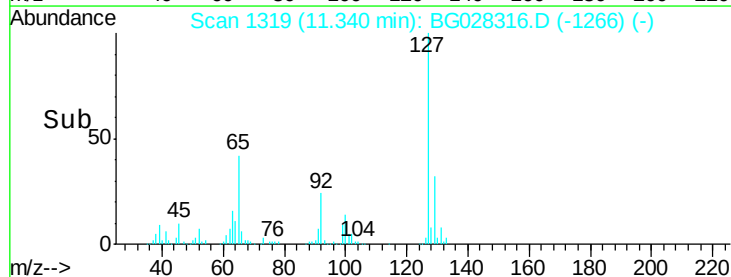
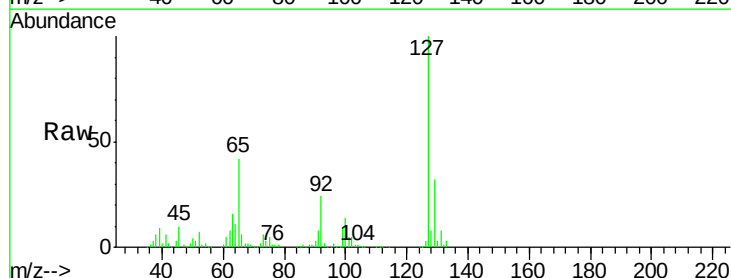
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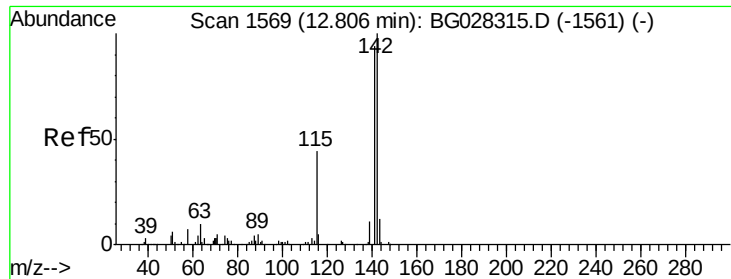
Delta R.T. 0.01 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

Tgt Ion:	127	Resp:	251914
Ion Ratio	Lower	Upper	
127	100		
129	32.4	28.9	43.3





#34

2-Methylnaphthalene

Concen: 25.654 ng/ul

RT: 12.81 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

Instrument :

BNA_G

ClientSampleId :

X2A52

Tgt Ion:142 Resp: 201058

Ion Ratio Lower Upper

142 100

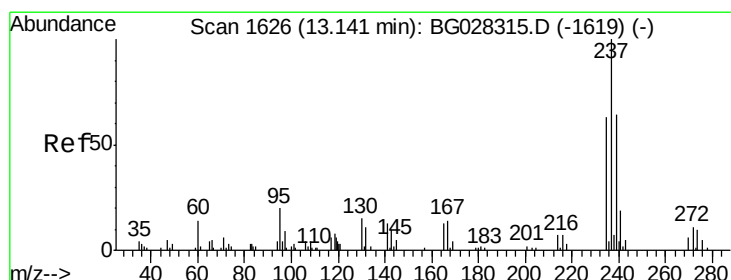
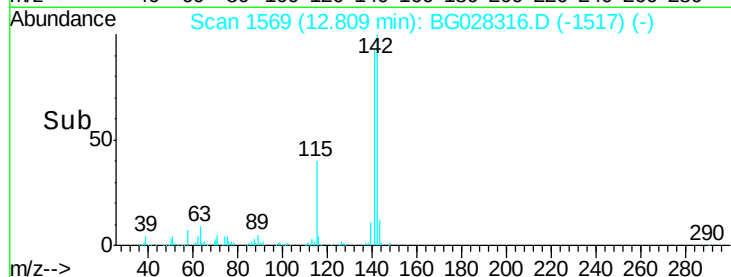
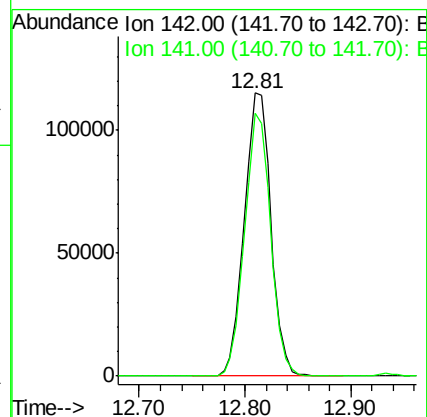
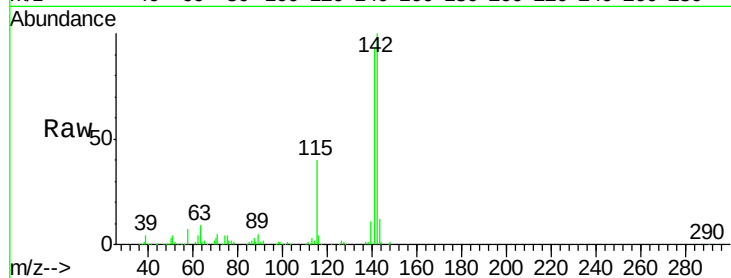
141 93.0 68.6 102.8

Manual Integrations

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#37

Hexachlorocyclopentadiene

Concen: 48.833 ng/ul

RT: 13.14 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

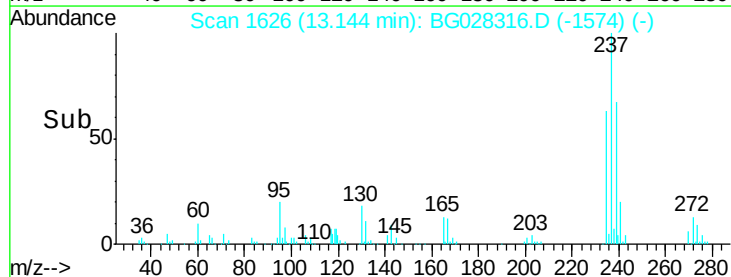
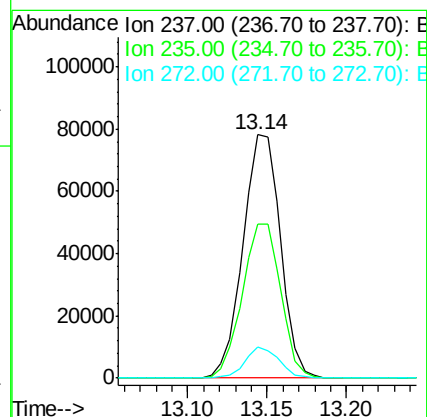
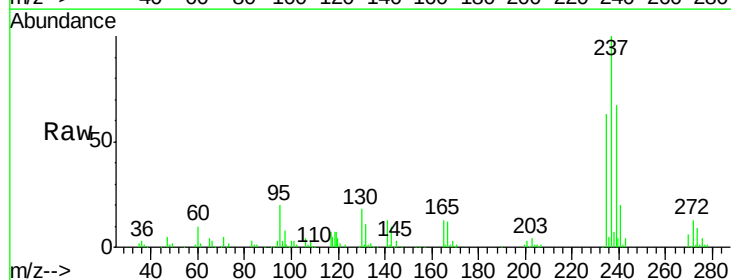
Tgt Ion:237 Resp: 128051

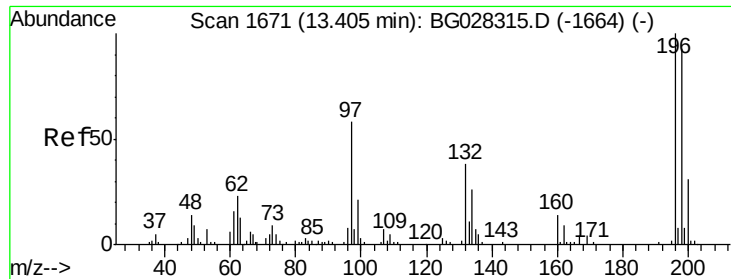
Ion Ratio Lower Upper

237 100

235 63.4 50.2 75.4

272 12.9 10.6 16.0





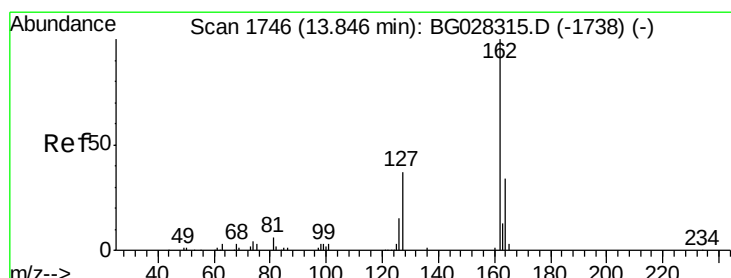
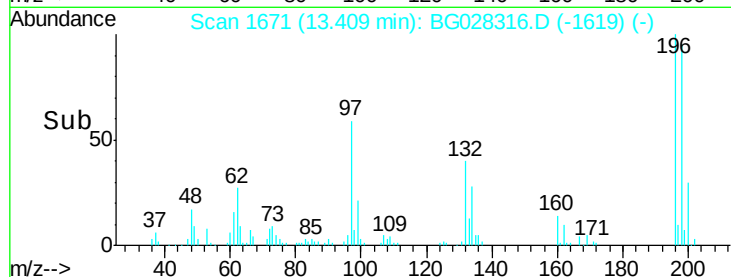
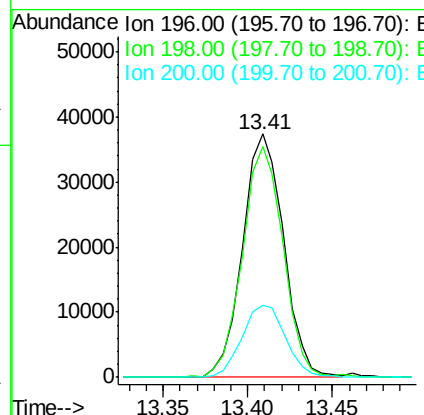
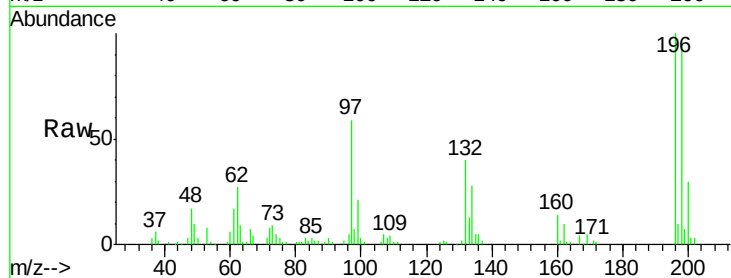
#38
 2,4,6-Trichlorophenol
 Concen: 21.300 ng/ul
 RT: 13.41 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Instrument :
 BNA_G
 ClientSampled :
 X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	63090		
198	94.8	71.4	107.2	
200	29.5	24.6	37.0	

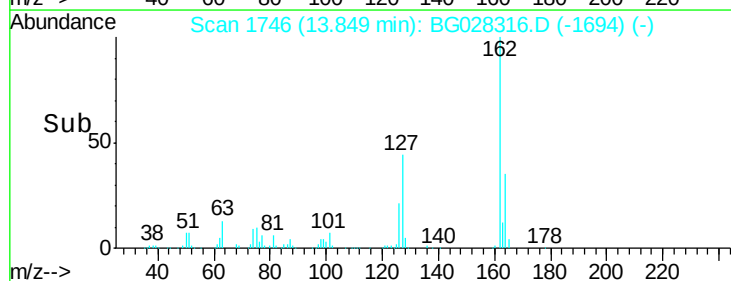
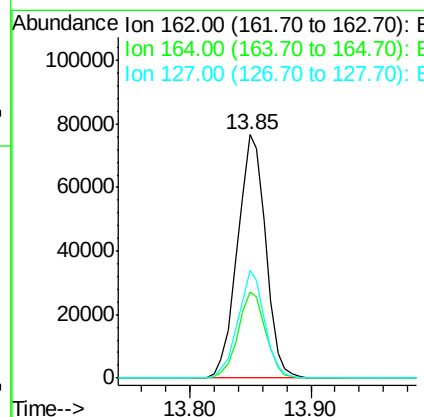
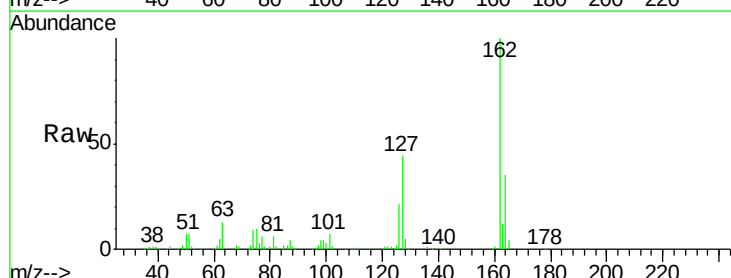
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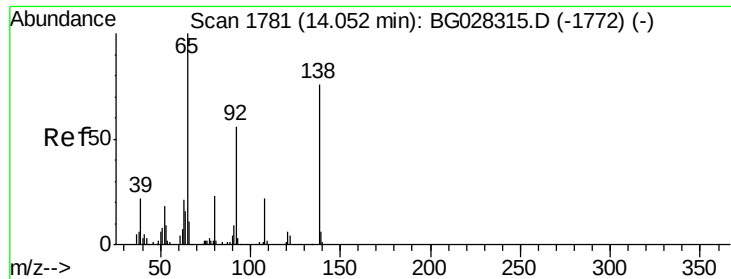
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#41
 2-Chloronaphthalene
 Concen: 14.666 ng/ul
 RT: 13.85 min Scan# 1746
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	124799		
164	35.3	25.0	37.6	
127	44.4	30.7	46.1	





#42

2-Nitroaniline

Concen: 68.904 ng/ul

RT: 14.05 min Scan# 1781

Delta R.T. 0.00 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

Instrument :

BNA_G

ClientSampleId :

X2A52

Tgt Ion: 65 Resp: 245831
Ion Ratio Lower Upper

65 100

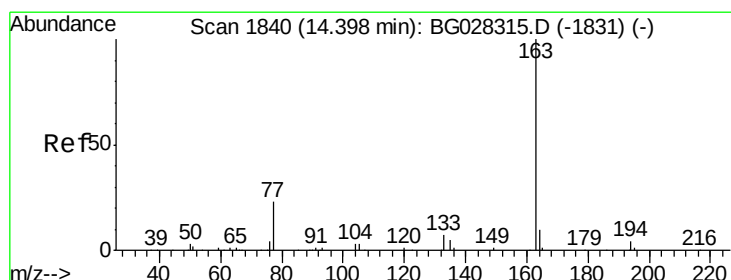
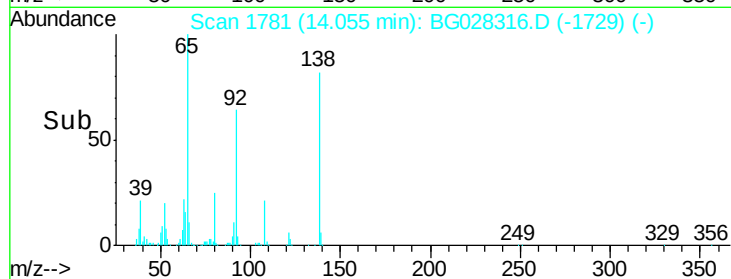
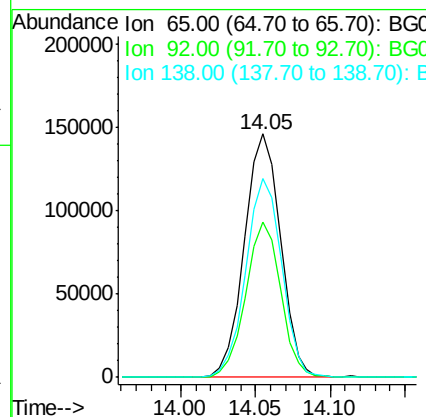
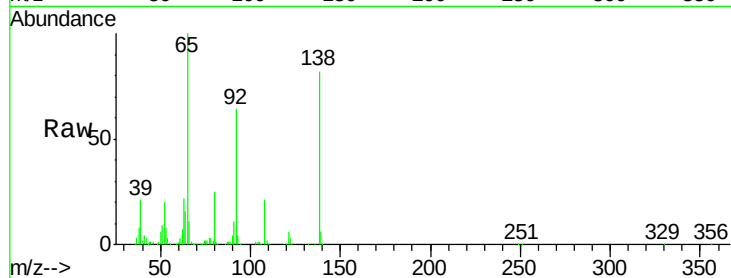
92 63.7 50.9 76.3

138 81.6 61.8 92.6

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#44

Dimethylphthalate

Concen: 31.742 ng/ul

RT: 14.41 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BG028316.D

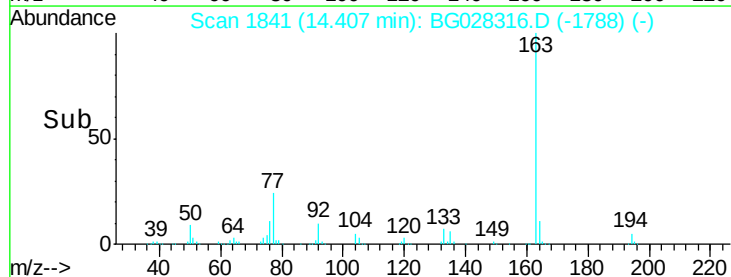
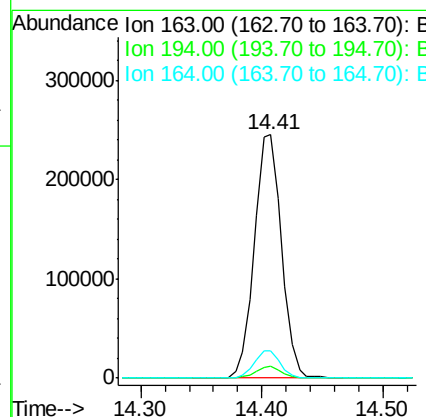
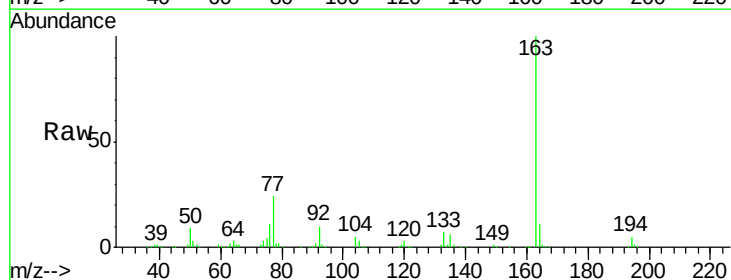
Acq: 14 Aug 2017 14:06

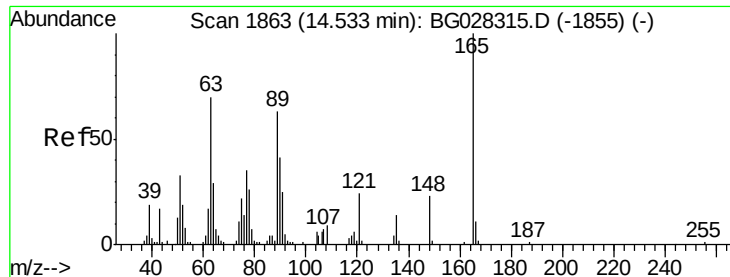
Tgt Ion: 163 Resp: 383252
Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

164 11.3 9.0 13.4





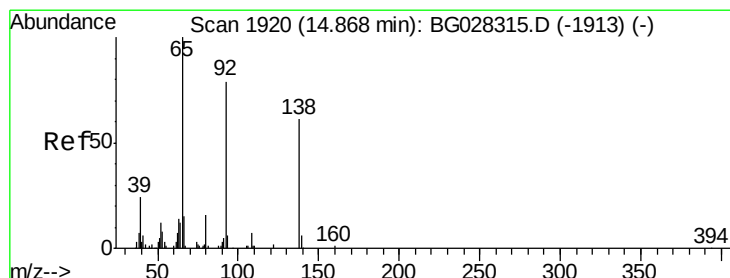
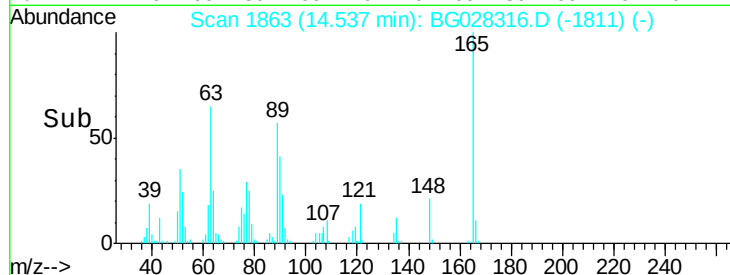
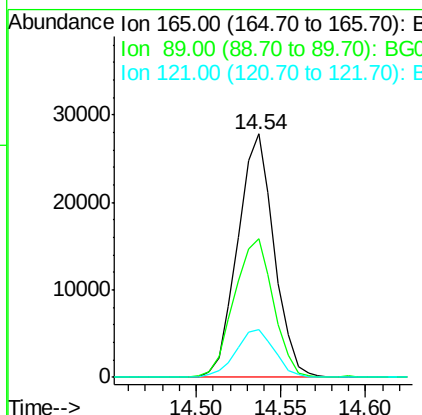
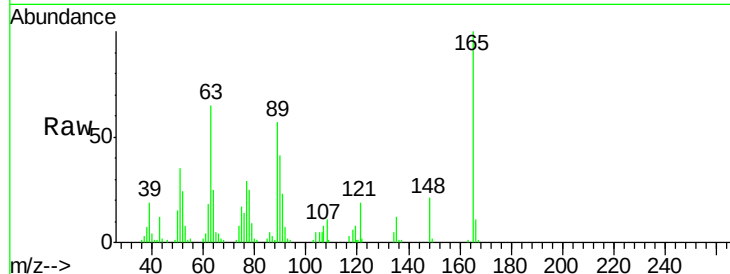
#45
 2,6-Dinitrotoluene
 Concen: 16.725 ng/ul
 RT: 14.54 min Scan# 1863
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Instrument :
 BNA_G
 ClientSampled :
 X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	41693		
89	56.7	52.9	79.3	
121	19.4	22.2	33.4	

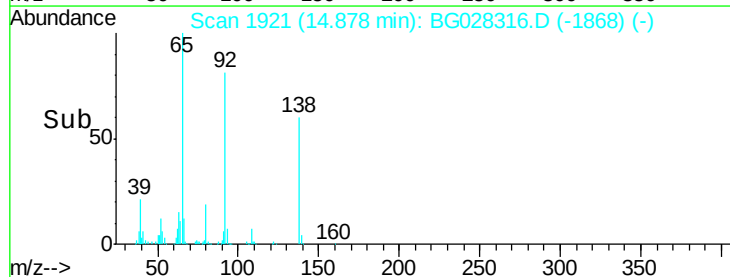
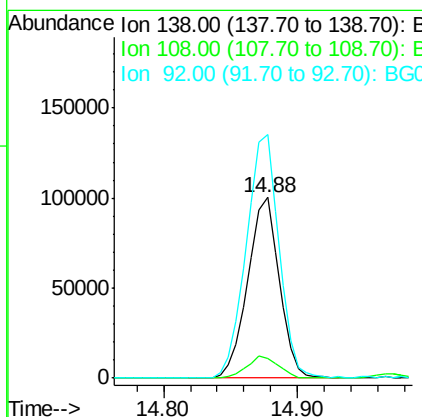
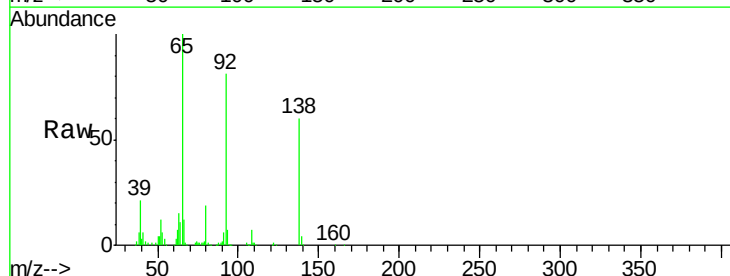
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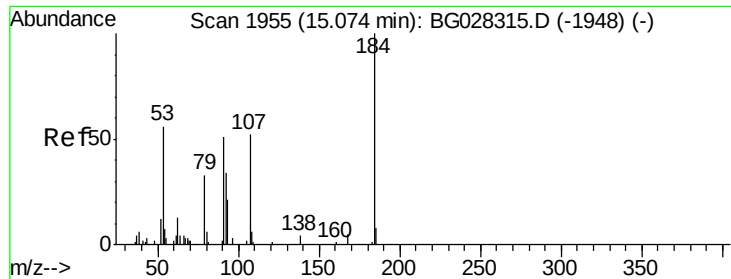
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#48
 3-Nitroaniline
 Concen: 72.953 ng/ul
 RT: 14.88 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	163760		
108	11.0	6.3	9.5	
92	134.8	106.4	159.6	





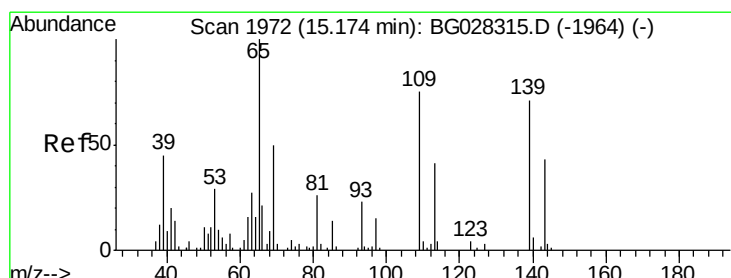
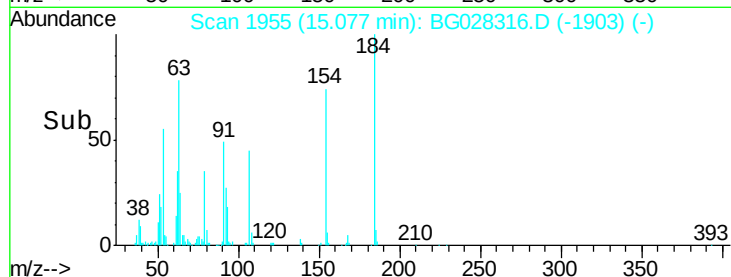
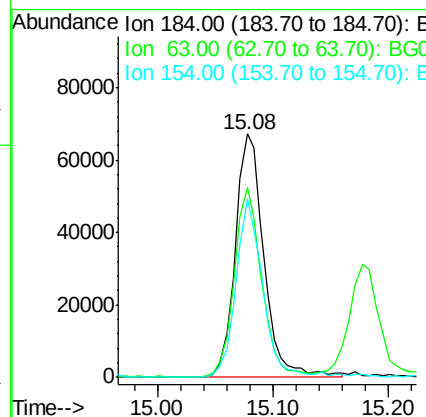
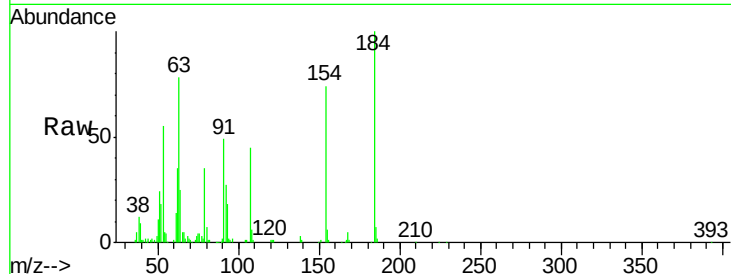
#50
2,4-Dinitrophenol
Concen: 81.876 ng/ul
RT: 15.08 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Instrument :
BNA_G
ClientSampled :
X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	115001		
63	78.2	65.1	97.7	
154	73.5	68.2	102.4	

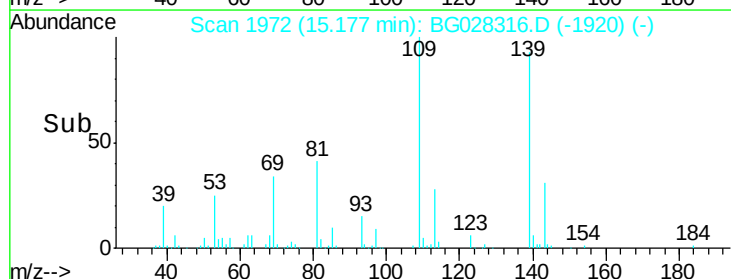
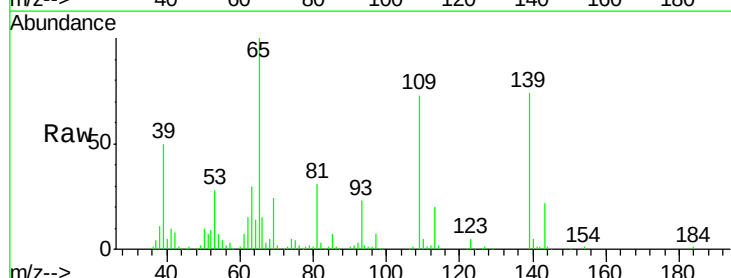
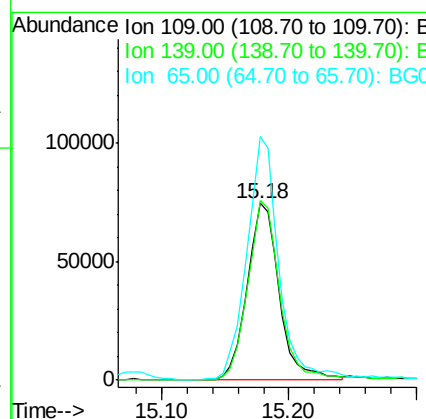
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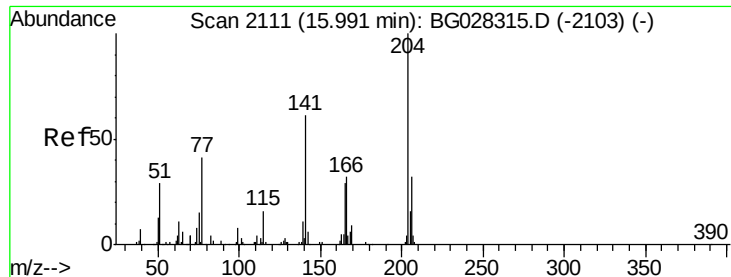
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#52
4-Nitrophenol
Concen: 60.893 ng/ul
RT: 15.18 min Scan# 1972
Delta R.T. 0.00 min
Lab File: BG028316.D
Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
109	100	131548		
139	101.8	62.6	93.8#	
65	137.6	90.4	135.6#	





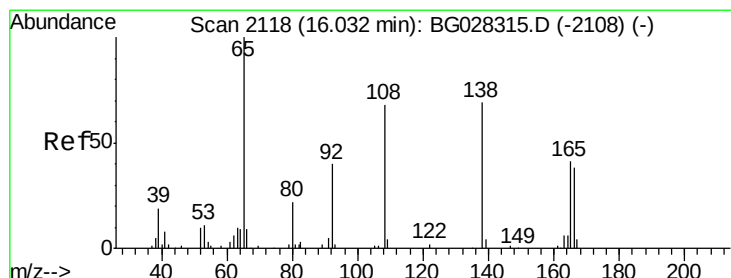
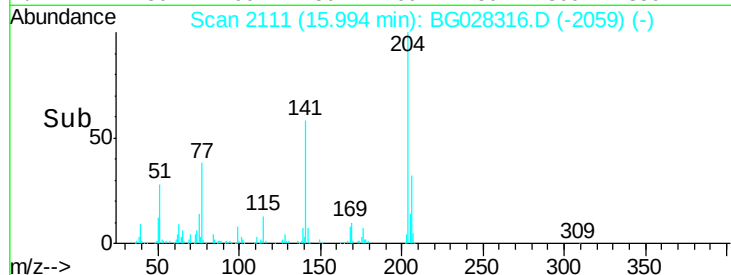
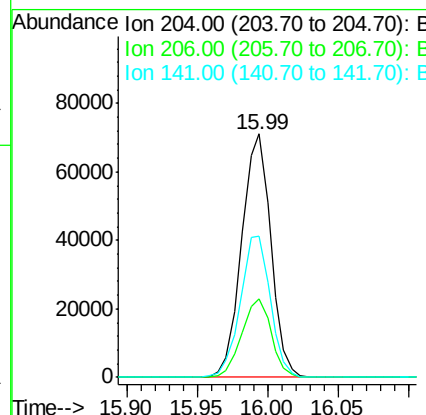
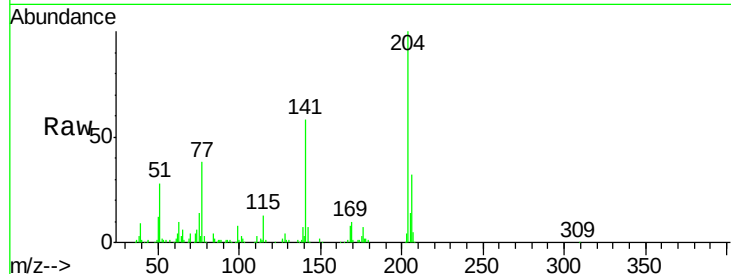
#59
 4-Chlorophenyl-phenylether
 Concen: 15.552 ng/ul
 RT: 15.99 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Instrument :
 BNA_G
 ClientSampled :
 X2A52

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	102675		
206	32.3	32.3	48.5#	
141	57.8	57.5	86.3	

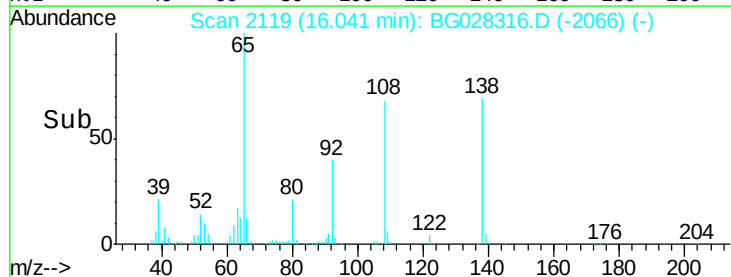
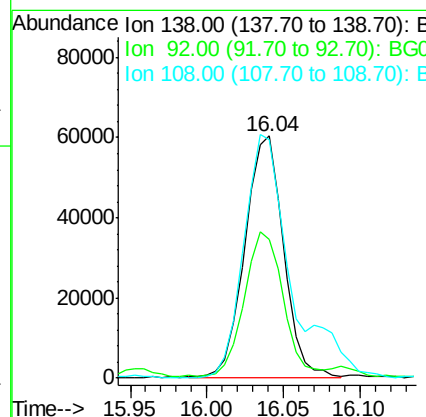
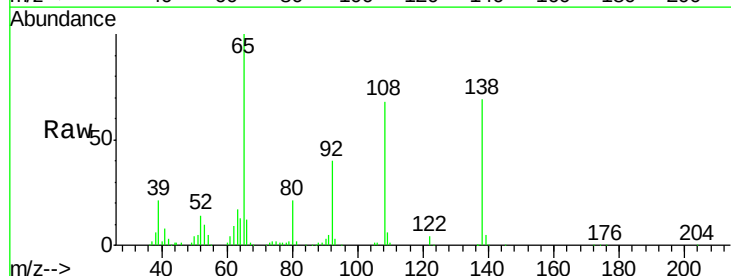
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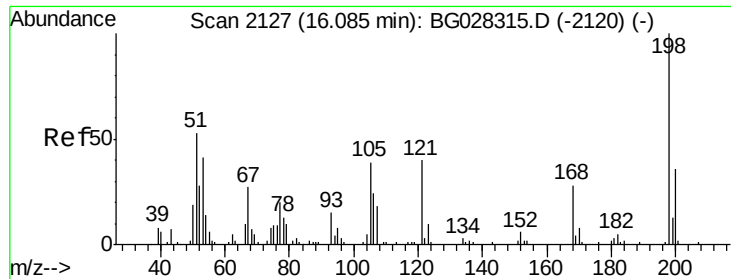
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#60
 4-Nitroaniline
 Concen: 40.193 ng/ul m
 RT: 16.04 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	107041		
92	57.4	56.9	85.3	
108	98.6	104.9	157.3#	





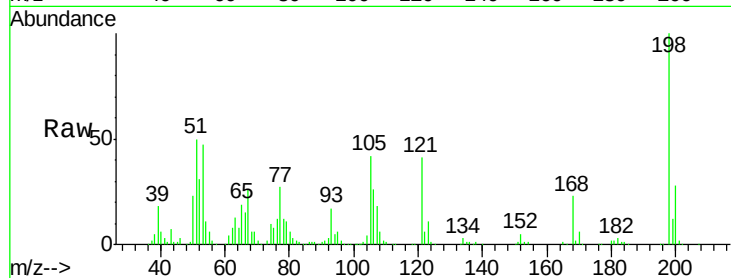
#63
 4,6-Dinitro-2-methylphenol
 Concen: 67.359 ng/ul
 RT: 16.09 min Scan# 2127
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Instrument :
 BNA_G
 ClientSampled :
 X2A52

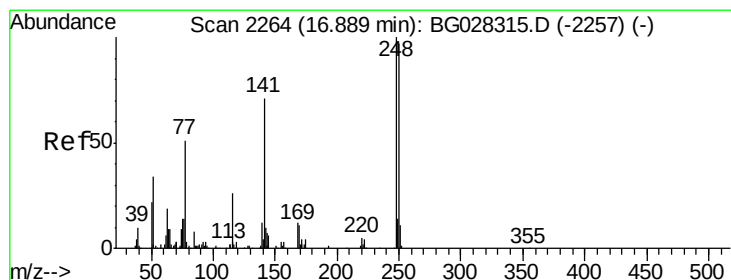
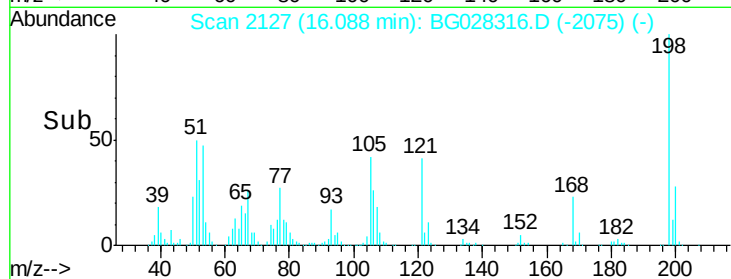
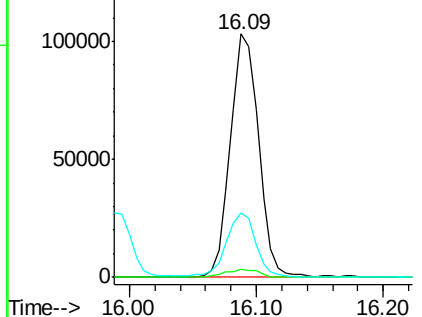
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	159165		
182	3.4	5.8	6.4#	
77	26.5	22.1	33.9	

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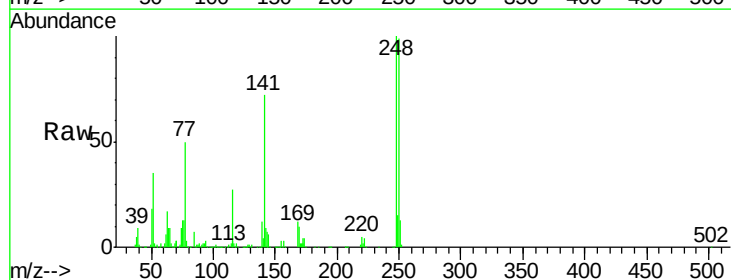


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

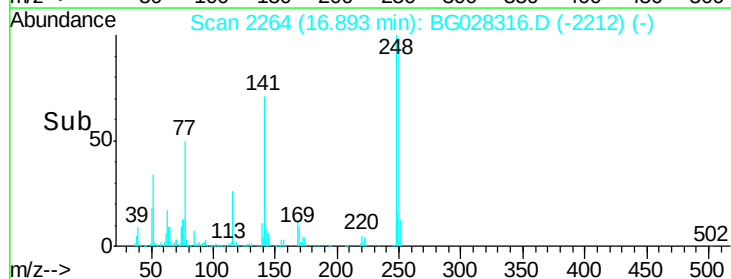
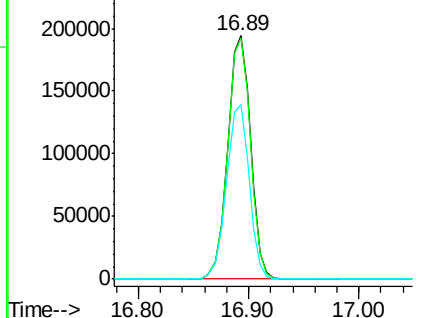


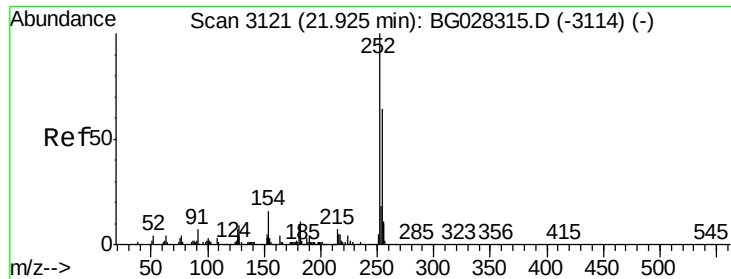
#65
 4-Bromophenyl-phenylether
 Concen: 73.136 ng/ul
 RT: 16.89 min Scan# 2264
 Delta R.T. 0.00 min
 Lab File: BG028316.D
 Acq: 14 Aug 2017 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	281984		
250	98.8	71.9	107.9	
141	71.6	53.8	80.8	



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#79

3,3'-Dichlorobenzidine

Concen: 27.409 ng/ul

RT: 21.93 min Scan# 3121

Delta R.T. 0.00 min

Lab File: BG028316.D

Acq: 14 Aug 2017 14:06

Instrument :

BNA_G

ClientSampleId :

X2A52

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
254	62.5	49.0	73.6
126	7.5	5.1	7.7

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