

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061818\
 Data File : BG035237.D
 Acq On : 19 Jun 2018 4:16
 Operator : SJ/JU
 Sample : J3240-04MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Manual Integrations
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Sohil
 6/19/2018 6:01:16 PM

Quant Time: Jun 19 07:48:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	49146	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	168161	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	119147	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	321457	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	370079	20.00	ng	-0.02
86) Perylene-d12	24.91	264	366024	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	366984	126.02	ng	0.00
7) Phenol-d6	7.22	99	467946	108.87	ng	0.00
23) Nitrobenzene-d5	9.22	82	380320	107.51	ng	-0.02
41) 2,4,6-Tribromophenol	16.17	330	281859	184.80	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	845584	92.26	ng	-0.02
78) Terphenyl-d14	20.03	244	1698119	96.11	ng	-0.02

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.57	88	53171	38.268	ng	# 73
3) Pyridine	3.97	79	118698	31.661	ng	# 68
4) n-Nitrosodimethylamine	3.87	42	56141	34.858	ng	# 68
6) Aniline	7.39	93	159134	28.642	ng	95
8) 2-Chlorophenol	7.63	128	135160	44.278	ng	91
9) Benzaldehyde	7.20	77	79810	24.106	ng	96
10) Phenol	7.25	94	160946	36.183	ng	95
11) bis(2-Chloroethyl)ether	7.48	93	143883	41.675	ng	87
12) 1,3-Dichlorobenzene	7.95	146	157678	43.292	ng	94
13) 1,4-Dichlorobenzene	8.10	146	159669	42.467	ng	98
14) 1,2-Dichlorobenzene	8.42	146	155076	43.911	ng	97
15) Benzyl Alcohol	8.30	79	167158	41.043	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.59	45	156469	45.535	ng	77
17) 2-Methylphenol	8.49	107	129969	44.318	ng	# 92
18) Hexachloroethane	9.15	117	60315	44.809	ng	91
19) n-Nitroso-di-n-propylamine	8.87	70	131149	35.915	ng	# 87
20) 3+4-Methylphenols	8.82	107	172939	41.142	ng	95
22) Acetophenone	8.88	105	243632	46.770	ng	# 91
24) Nitrobenzene	9.26	77	199884	55.177	ng	93
25) Isophorone	9.79	82	381323	51.053	ng	97
26) 2-Nitrophenol	9.98	139	79665	63.799	ng	89
27) 2,4-Dimethylphenol	10.03	122	140239	53.431	ng	88
28) bis(2-Chloroethoxy)methane	10.27	93	192776	48.028	ng	96
29) 2,4-Dichlorophenol	10.51	162	159293	55.777	ng	96
30) 1,2,4-Trichlorobenzene	10.73	180	171431	50.060	ng	99
31) Naphthalene	10.92	128	426415	48.812	ng	98
32) Benzoic acid	10.16	122	97223	55.302	ng	95
33) 4-Chloroaniline	11.02	127	57546	15.171	ng	# 93
34) Hexachlorobutadiene	11.20	225	135016	50.696	ng	98
35) Caprolactam	11.79	113	38376m	36.360	ng	
36) 4-Chloro-3-methylphenol	12.13	107	194060	54.511	ng	92
37) 2-Methylnaphthalene	12.51	142	335410	50.642	ng	94
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	231535	52.171	ng	99
40) Hexachlorocyclopentadiene	12.86	237	300041	107.811	ng	90

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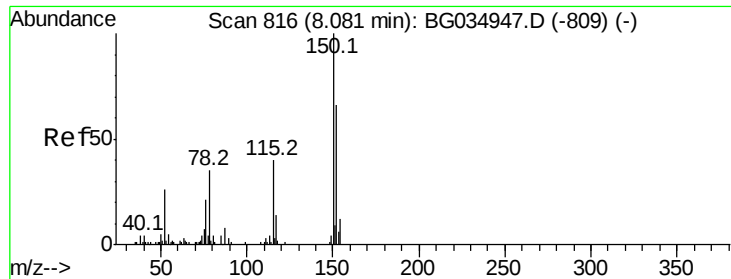
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.12	196	149467	56.246	nq	95
43) 2,4,5-Trichlorophenol	13.19	196	171163	58.684	nq	98
45) 1,1'-Biphenyl	13.52	154	461982	48.220	nq	96
46) 2-Chloronaphthalene	13.56	162	362924	50.103	nq	99
47) 2-Nitroaniline	13.76	65	130803	61.153	nq	94
48) Acenaphthylene	14.40	152	620912	51.121	nq	97
49) Dimethylphthalate	14.13	163	524588	50.490	nq	99
50) 2,6-Dinitrotoluene	14.25	165	120259	63.445	nq	91
51) Acenaphthene	14.75	154	377379	47.554	nq	98
52) 3-Nitroaniline	14.59	138	74577	40.096	nq #	89
53) 2,4-Dinitrophenol	14.79	184	128992	168.153	nq #	66
54) Dibenzofuran	15.08	168	604549	50.865	nq	96
55) 4-Nitrophenol	14.89	139	162623	103.598	nq	90
56) 2,4-Dinitrotoluene	15.04	165	177687	70.568	nq #	85
57) Fluorene	15.73	166	507550	51.097	nq	97
58) 2,3,4,6-Tetrachlorophenol	15.30	232	172206	60.776	nq	94
59) Diethylphthalate	15.50	149	520978	49.147	nq	98
60) 4-Chlorophenyl-phenylether	15.72	204	289389	51.092	nq	96
61) 4-Nitroaniline	15.75	138	123921	62.125	nq #	84
62) Azobenzene	16.01	77	516043	49.678	nq	94
64) 4,6-Dinitro-2-methylphenol	15.80	198	101144	68.914	nq	84
65) n-Nitrosodiphenylamine	15.93	169	459004	47.547	nq	97
66) 4-Bromophenyl-phenylether	16.61	248	202355	52.273	nq	90
67) Hexachlorobenzene	16.73	284	206085	52.304	nq	97
68) Atrazine	16.88	200	214064	51.998	nq	94
69) Pentachlorophenol	17.08	266	254438	96.033	nq	97
70) Phenanthrene	17.47	178	831667	50.931	nq	98
71) Anthracene	17.56	178	852281	52.105	nq	98
72) Carbazole	17.83	167	796710	52.496	nq	98
73) Di-n-butylphthalate	18.38	149	896780	49.576	nq #	98
74) Fluoranthene	19.47	202	1123355	52.867	nq	95
76) Benzidine	19.65	184	163525	11.877	nq	97
77) Pyrene	19.84	202	1124254	46.081	nq	97
79) Butylbenzylphthalate	20.72	149	430733	48.621	nq #	96
80) Benzo(a)anthracene	21.68	228	1187915	50.231	nq	99
81) 3,3'-Dichlorobenzidine	21.59	252	285873	32.130	nq #	98
82) Chrysene	21.74	228	1101549	50.874	nq	98
83) Bis(2-ethylhexyl)phthalate	21.58	149	592888	47.363	nq #	97
84) Di-n-octyl phthalate	22.80	149	1018155	47.410	nq #	92
85) Indeno(1,2,3-cd)pyrene	28.60	276	1321157	52.097	nq #	89
87) Benzo(b)fluoranthene	23.90	252	1164695	51.671	nq #	97
88) Benzo(k)fluoranthene	23.97	252	1114353	50.539	nq #	97
89) Benzo(a)pyrene	24.77	252	1111771	52.417	nq #	96
90) Dibenzo(a,h)anthracene	28.67	278	1074550	51.321	nq #	97
91) Benzo(g,h,i)perylene	29.75	276	1089232	53.157	nq #	93

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



#1

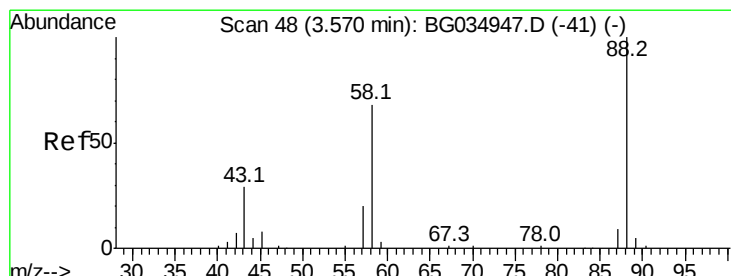
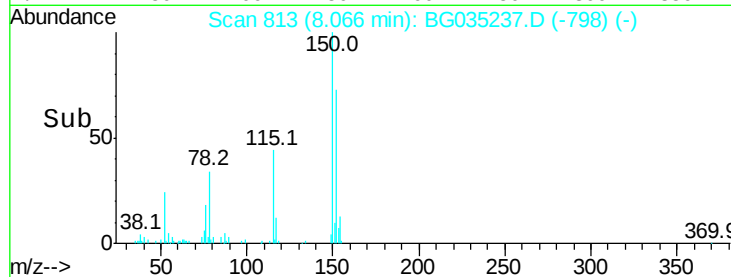
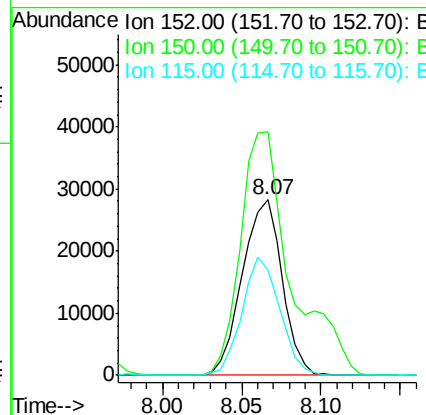
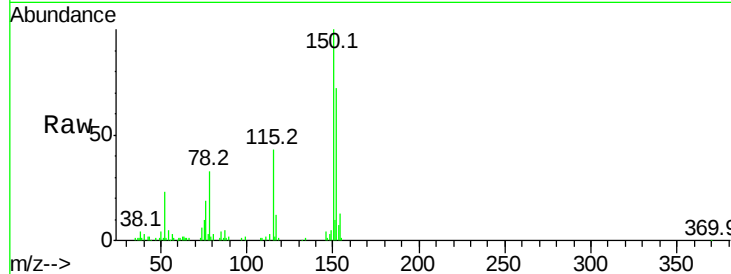
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 813
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.7	126.6	189.8
115	60.1	53.0	79.4

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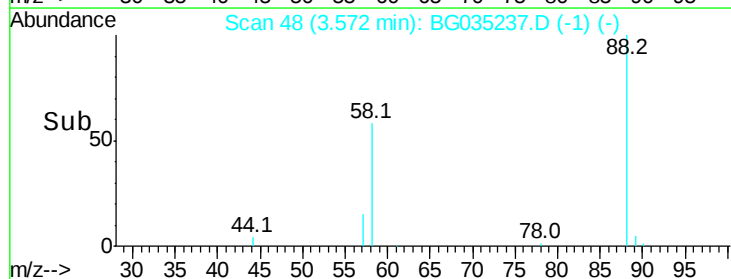
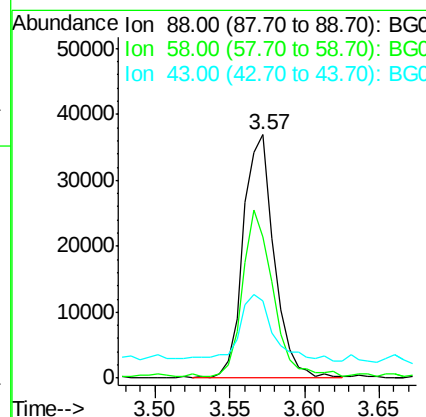
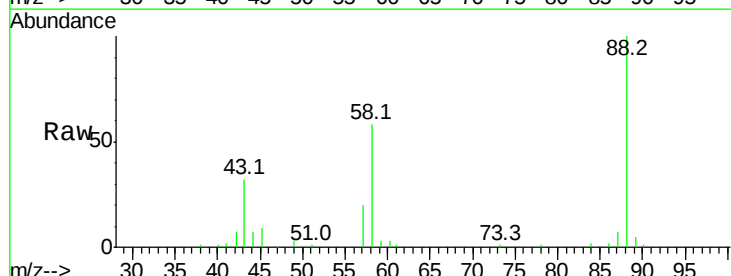
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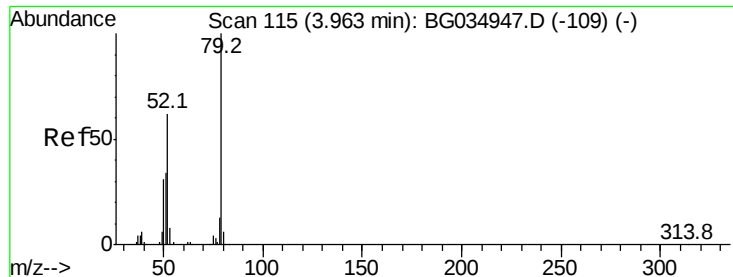


#2

1,4-Dioxane
Concen: 38.268 ng
RT: 3.57 min Scan# 48
Delta R.T. 0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.1	79.6	119.4#
43	29.3	27.4	41.0





#3

Pvridine

Concen: 31.661 ng

RT: 3.97 min Scan# 115

Delta R.T. 0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion: 79 Resp: 118698

Ion Ratio Lower Upper

79 100

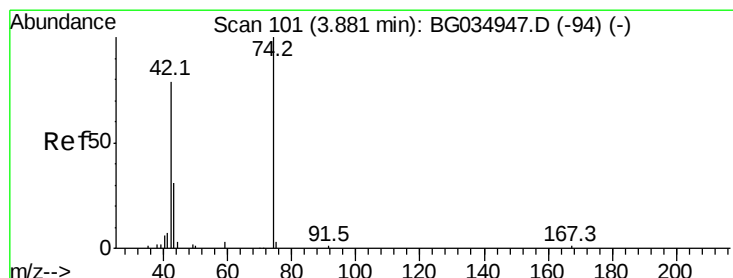
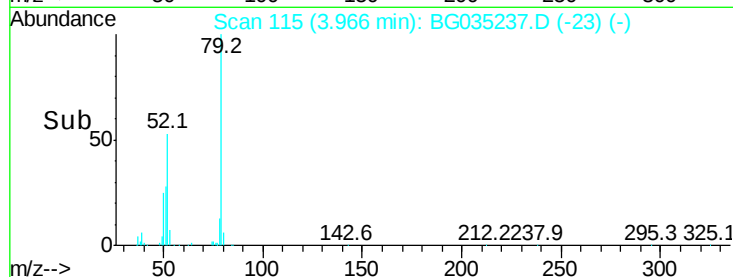
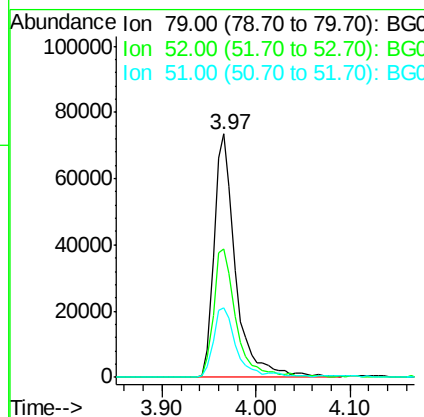
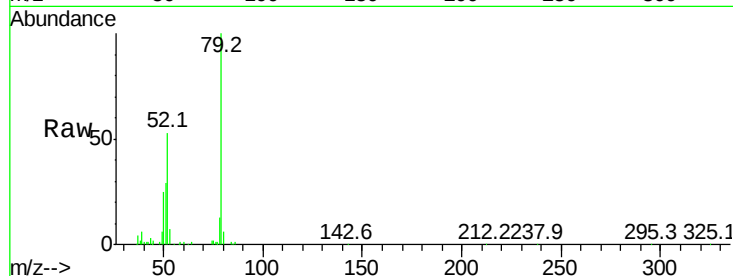
52 52.8 69.9 104.9#

51 28.8 34.0 51.0#

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#4

n-Nitrosodimethylamine

Concen: 34.858 ng

RT: 3.87 min Scan# 99

Delta R.T. -0.00 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

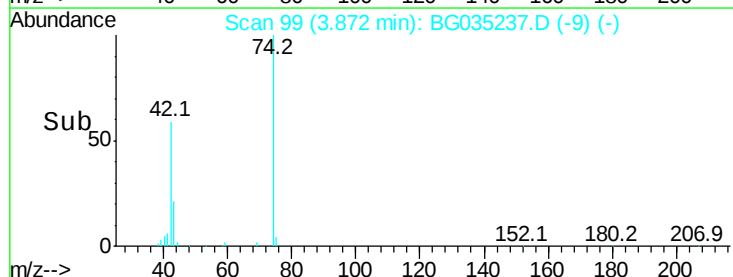
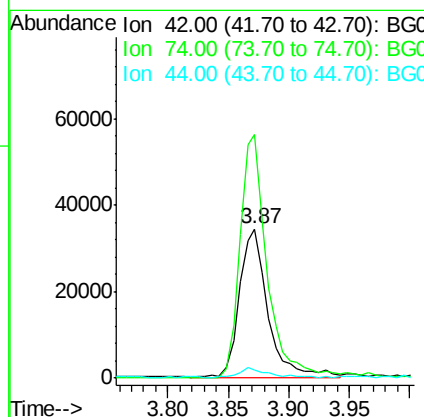
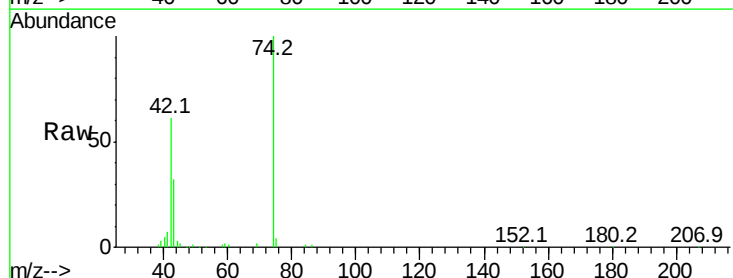
Tgt Ion: 42 Resp: 56141

Ion Ratio Lower Upper

42 100

74 163.3 102.5 153.7#

44 5.3 18.9 28.3#





#5

2-Fluorophenol

Concen: 126.017 ng

RT: 5.64 min Scan# 400

Delta R.T. -0.00 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

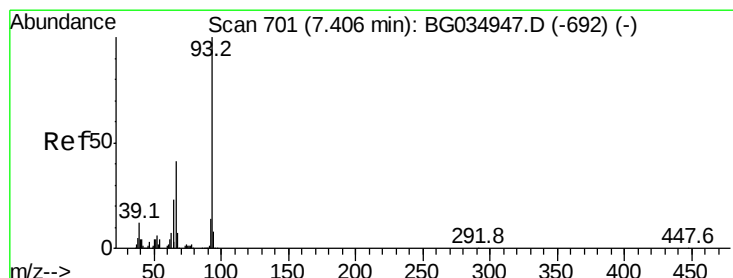
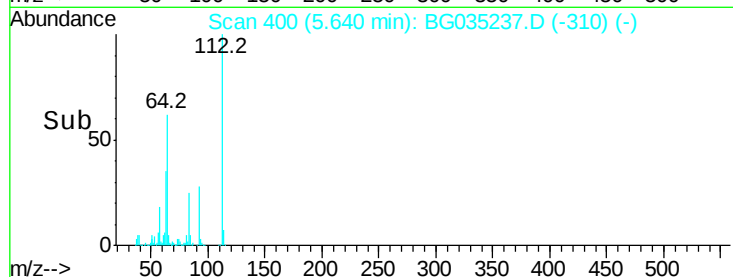
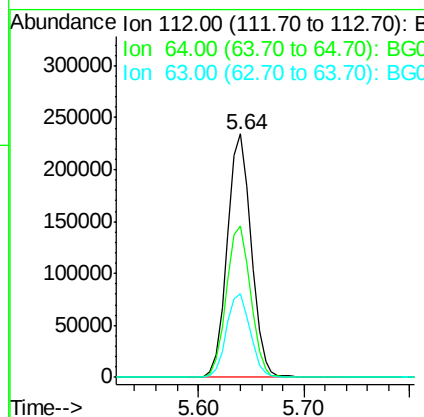
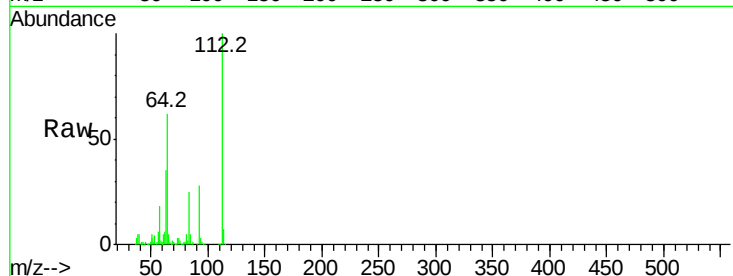
ClientSampleId :

BU-01-061518MSD

Tot Ion:	112	Resp:	366984
Ion Ratio	Lower	Upper	
112	100		
64	62.1	56.3	84.5
63	34.5	30.1	45.1

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#6

Aniline

Concen: 28.642 ng

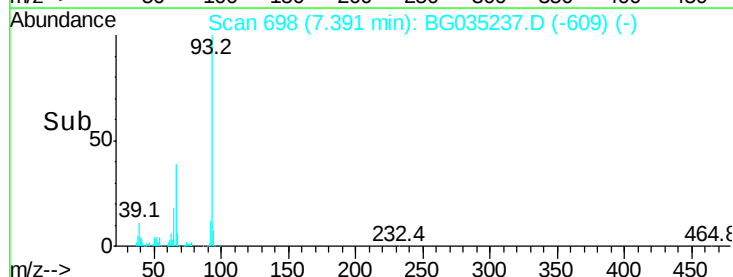
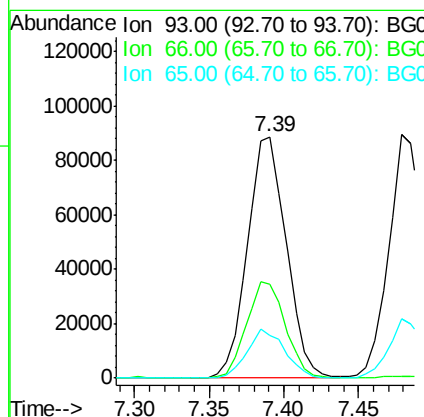
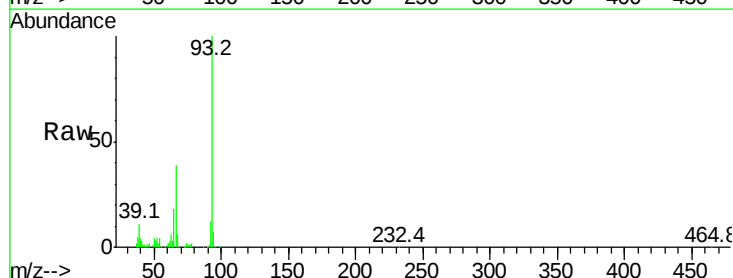
RT: 7.39 min Scan# 698

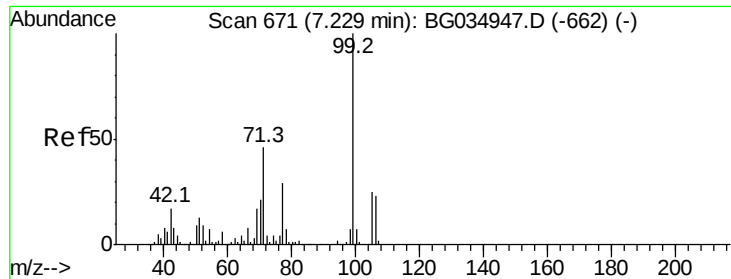
Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	93	Resp:	159134
Ion Ratio	Lower	Upper	
93	100		
66	38.8	33.7	50.5
65	17.7	16.1	24.1





#7

Phenol-d6

Concen: 108.871 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

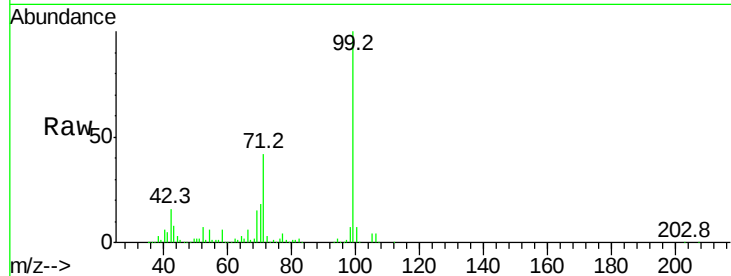
ClientSampleId :

BU-01-061518MSD

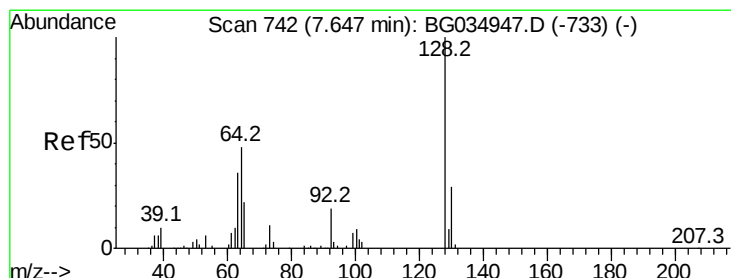
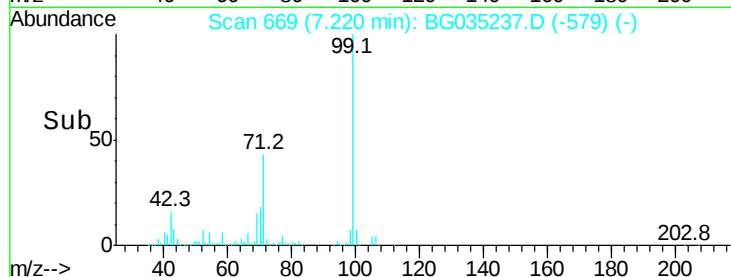
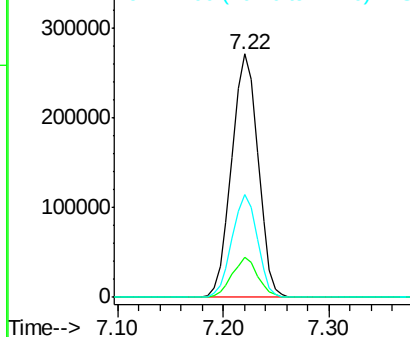
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		467946		
42	16.3	14.1	21.1		
71	42.5	26.1	39.1#		

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 44.278 ng

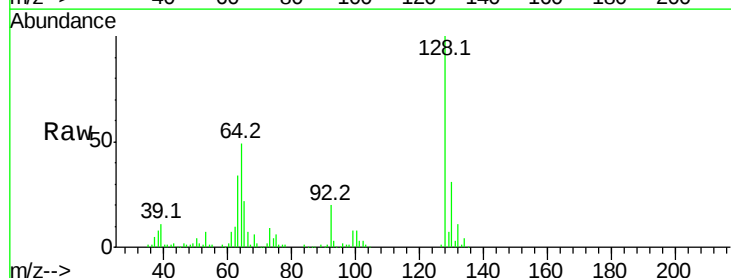
RT: 7.63 min Scan# 738

Delta R.T. -0.01 min

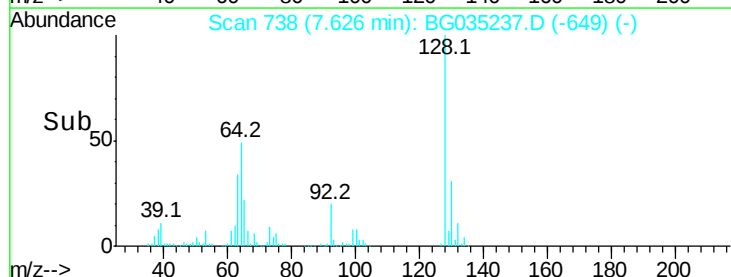
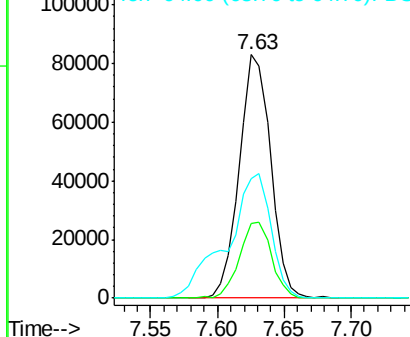
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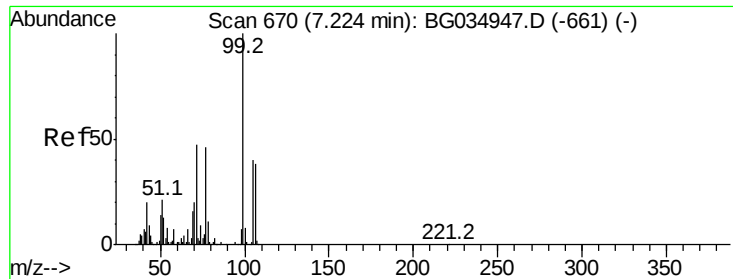
Acq: 19 Jun 2018 4:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		135160		
130	30.7	14.0	54.0		
64	49.2	37.7	77.7		



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 24.106 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

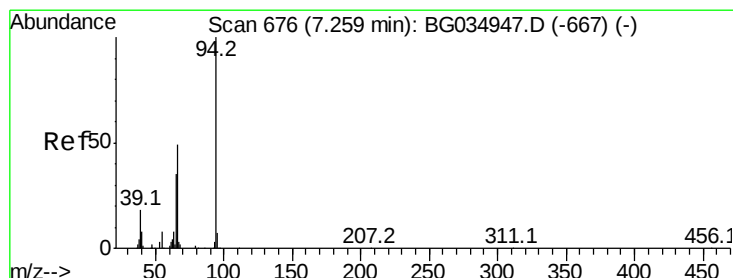
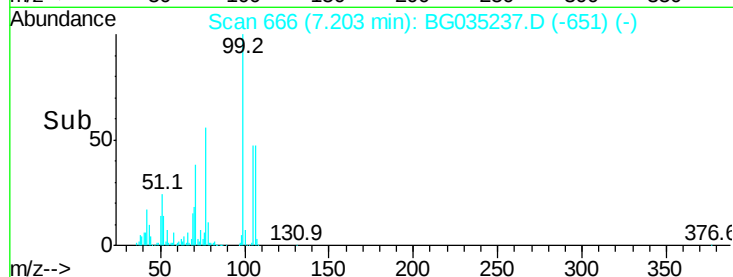
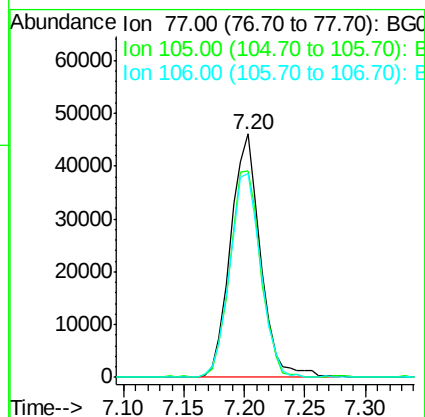
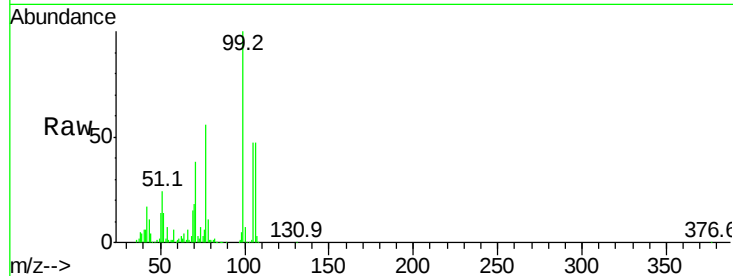
ClientSampleId :

BU-01-061518MSD

Tot Ion:	77	Resp:	79810
Ion Ratio	Lower	Upper	
77	100		
105	84.6	71.3	111.3
106	83.8	64.2	104.2

Manual Integrations
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#10

Phenol

Concen: 36.183 ng

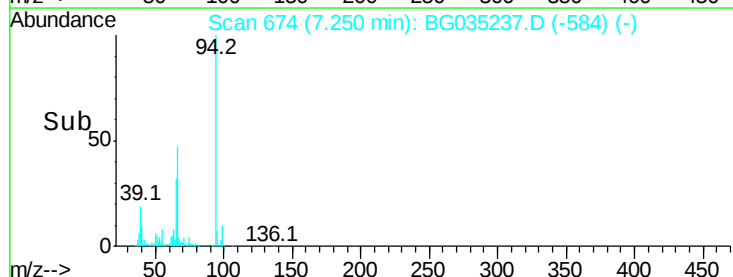
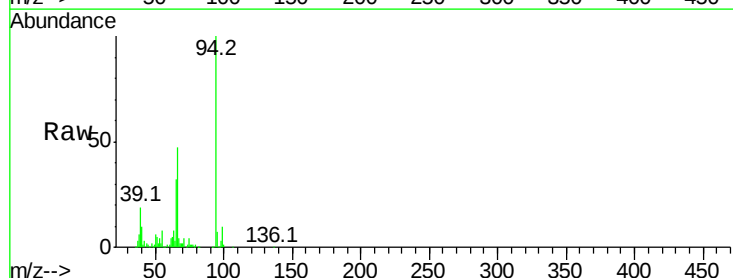
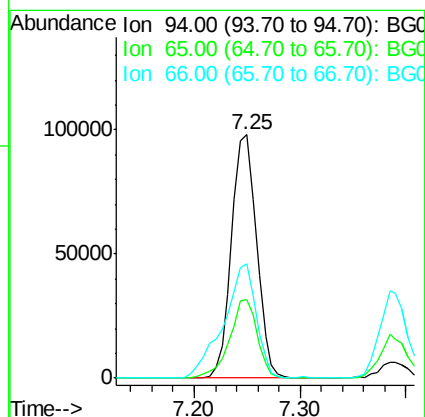
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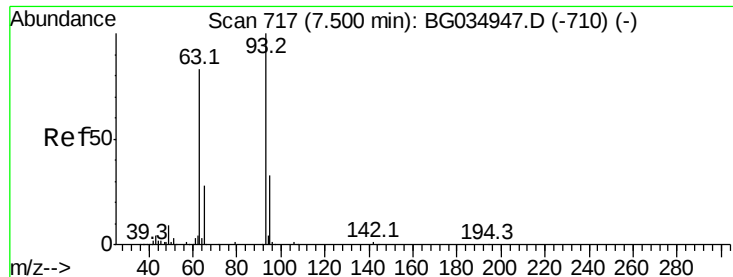
Delta R.T. -0.00 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	94	Resp:	160946
Ion Ratio	Lower	Upper	
94	100		
65	32.4	11.9	51.9
66	46.8	22.2	62.2





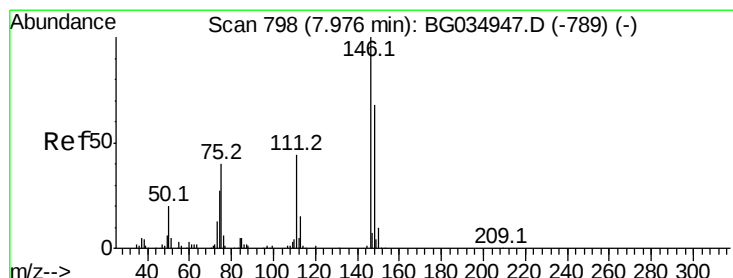
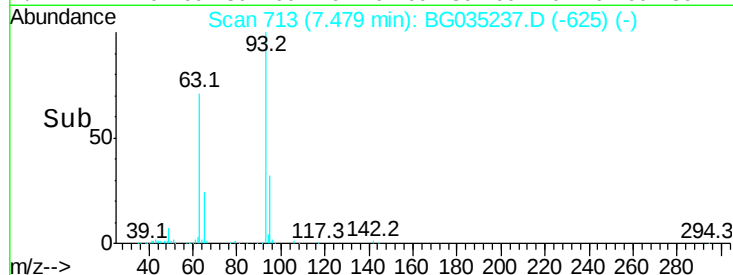
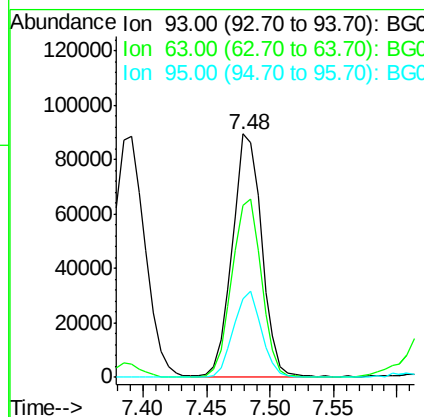
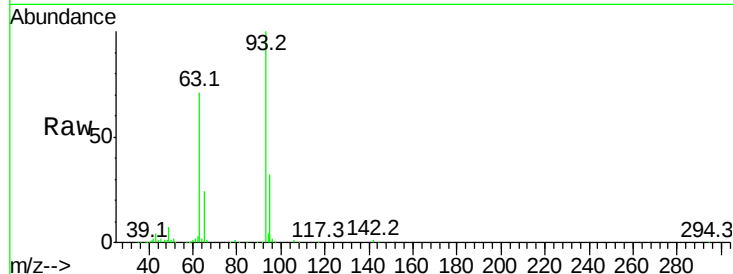
#11
bis(2-Chloroethyl)ether
Concen: 41.675 ng
RT: 7.48 min Scan# 713
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	70.7	67.1	107.1
95	32.0	11.5	51.5

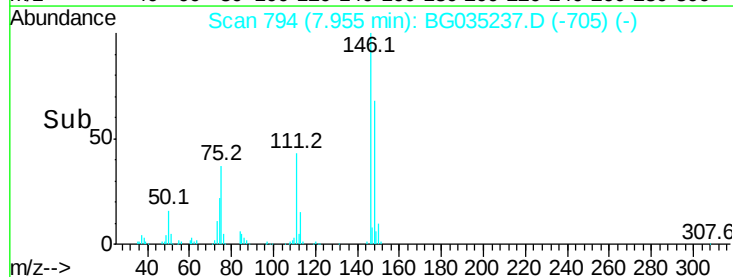
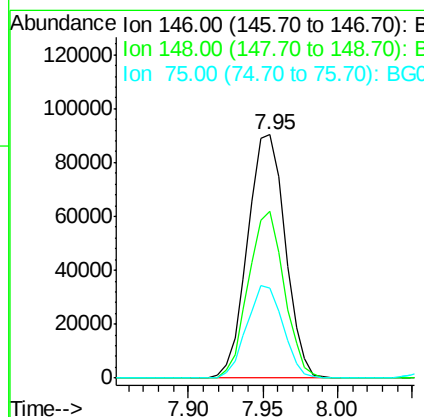
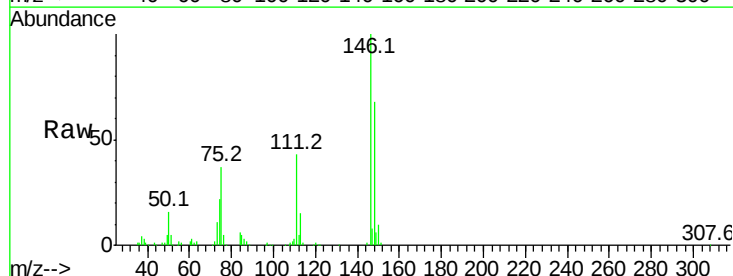
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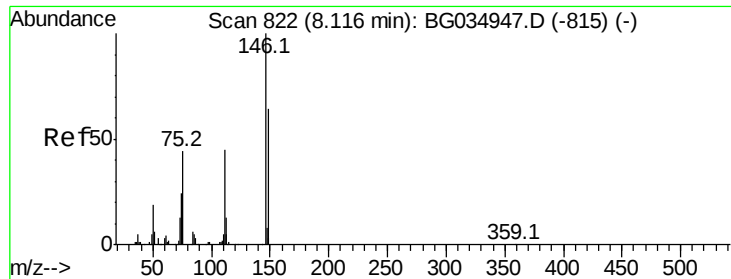
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#12
1,3-Dichlorobenzene
Concen: 43.292 ng
RT: 7.95 min Scan# 794
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.3	51.4	77.2
75	37.2	26.6	39.8





#13

1,4-Dichlorobenzene

Concen: 42.467 ng

RT: 8.10 min Scan# 819

Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

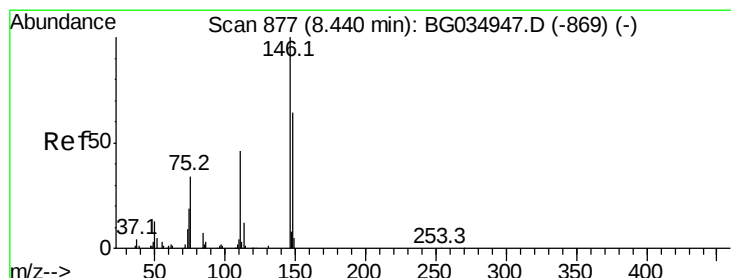
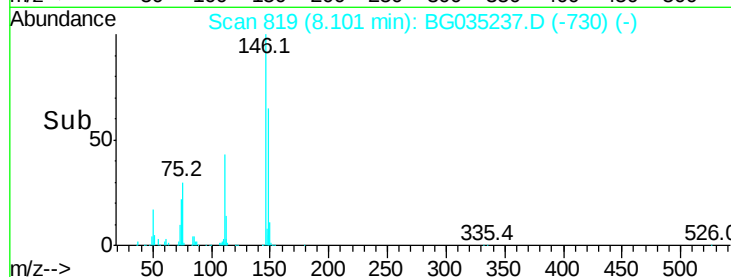
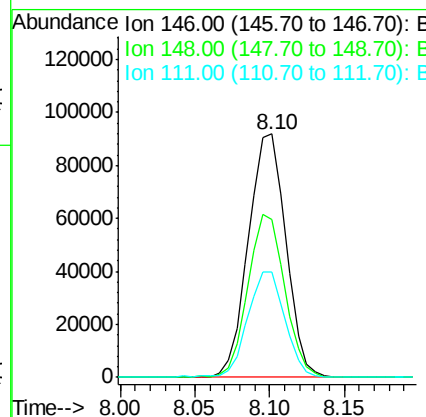
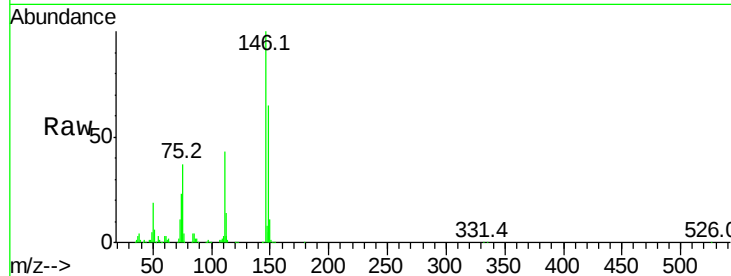
ClientSampleId :

BU-01-061518MSD

Tot Ion:	146	Resp:	159669
Ion Ratio	Lower	Upper	
146	100		
148	64.9	53.7	80.5
111	43.4	35.2	52.8

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#14

1,2-Dichlorobenzene

Concen: 43.911 ng

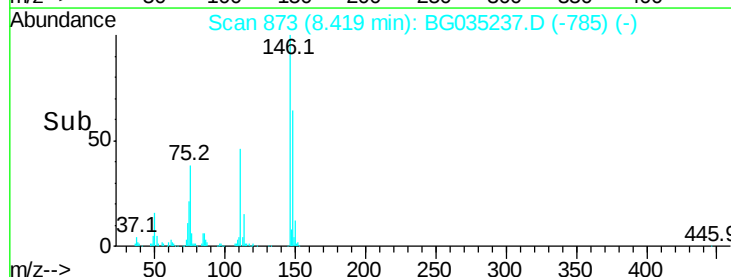
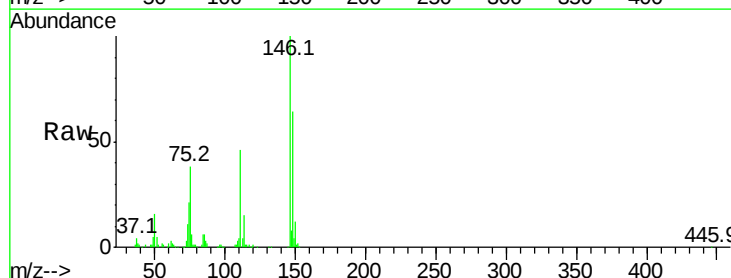
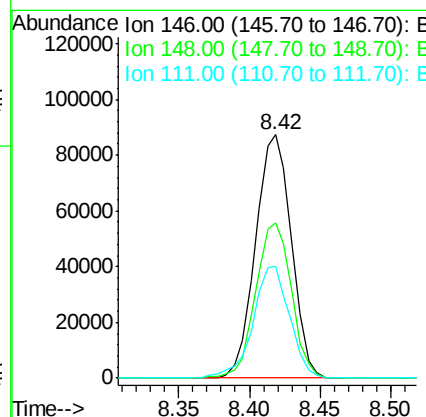
RT: 8.42 min Scan# 873

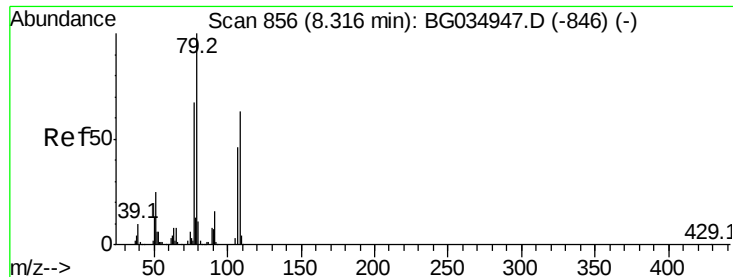
Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	146	Resp:	155076
Ion Ratio	Lower	Upper	
146	100		
148	63.8	49.3	73.9
111	45.7	34.3	51.5





#15

Benzyl Alcohol

Concen: 41.043 ng

RT: 8.30 min Scan# 852

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

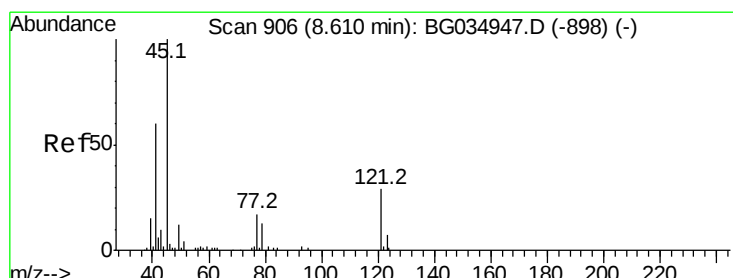
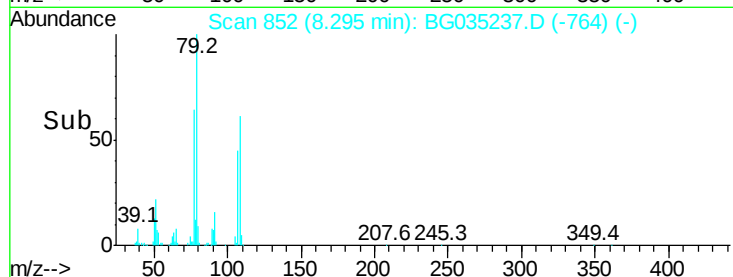
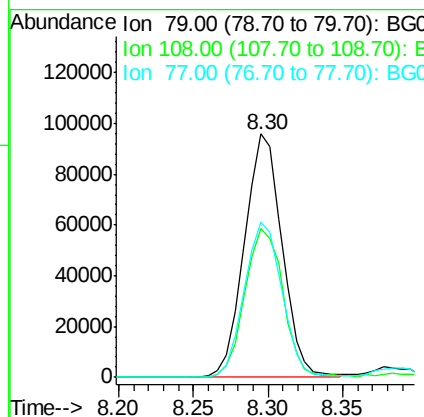
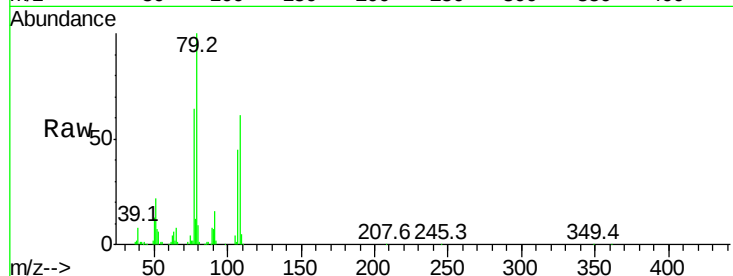
ClientSampleId :

BU-01-061518MSD

Tot Ion:	79	Resp:	167158
Ion Ratio	Lower	Upper	
79	100		
108	61.4	57.2	85.8
77	63.7	46.1	69.1

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#16

2,2'-oxybis(1-chloropropane)

Concen: 45.535 ng

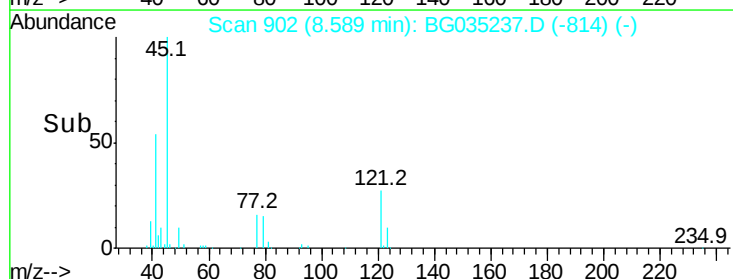
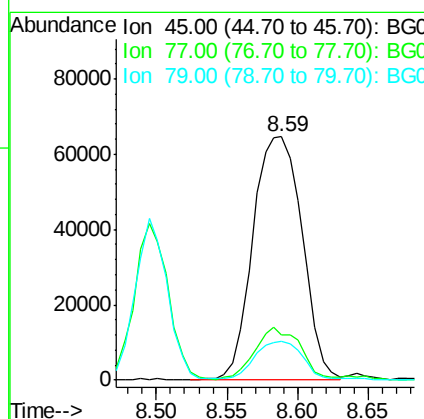
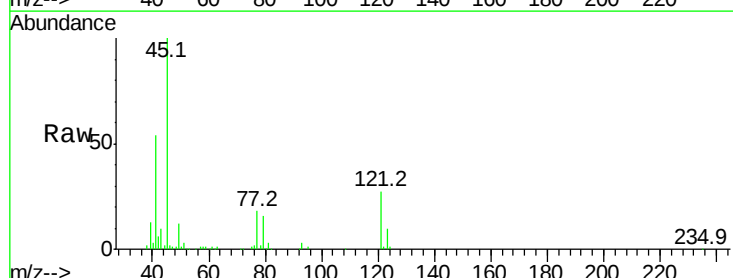
RT: 8.59 min Scan# 902

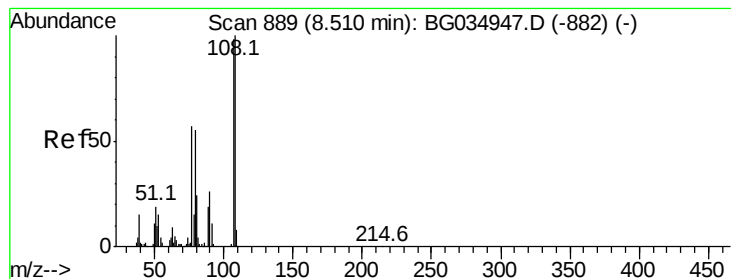
Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	45	Resp:	156469
Ion Ratio	Lower	Upper	
45	100		
77	18.4	0.0	30.2
79	16.0	0.0	27.9





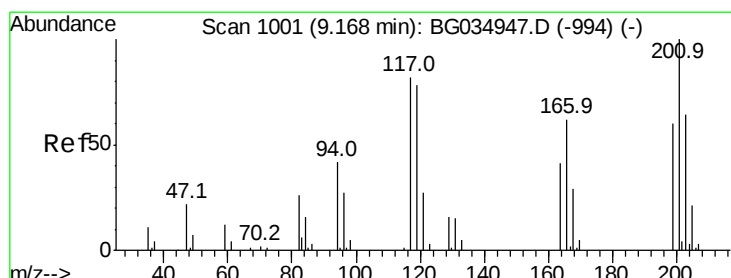
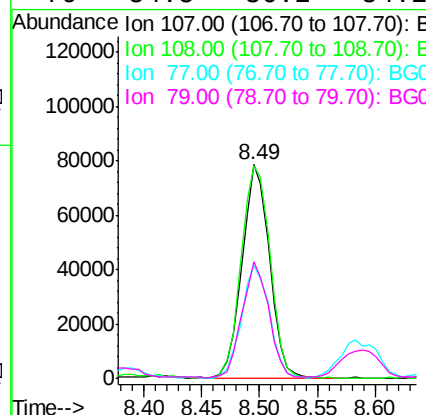
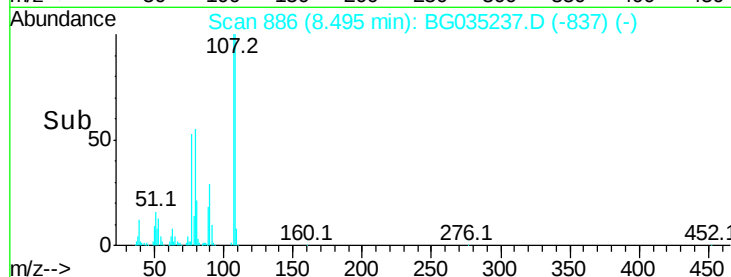
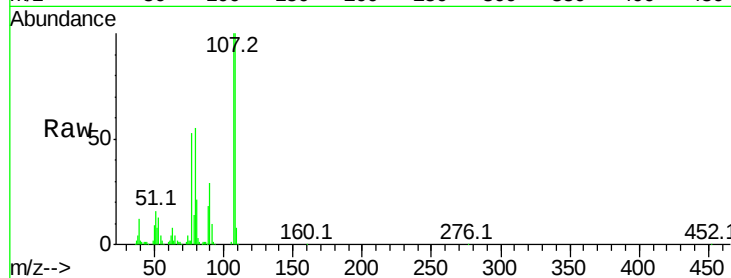
#17
2-Methylphenol
Concen: 44.318 ng
RT: 8.49 min Scan# 886
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	99.7	83.9	125.9
77	53.0	37.2	55.8
79	54.5	36.2	54.2#

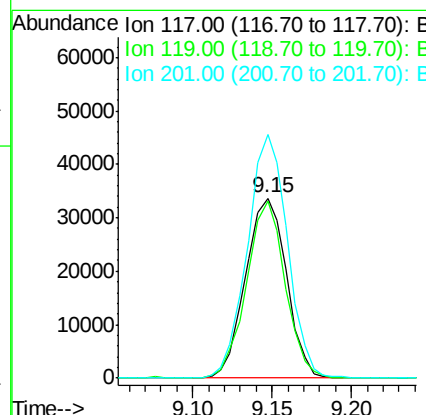
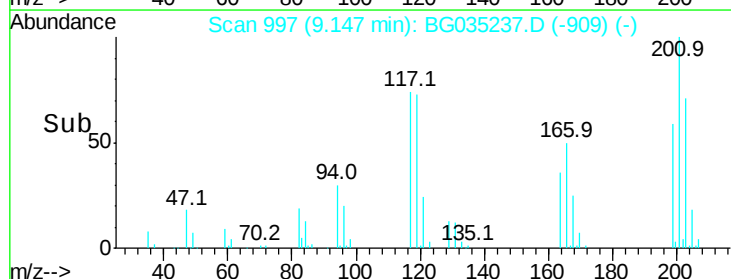
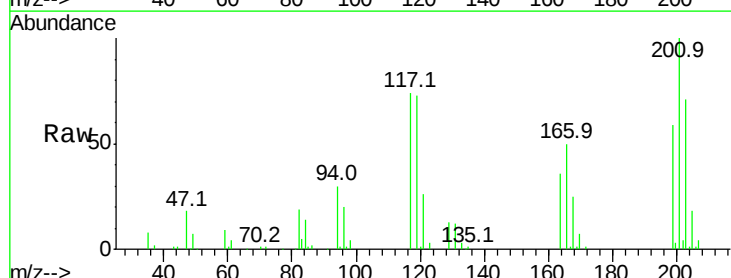
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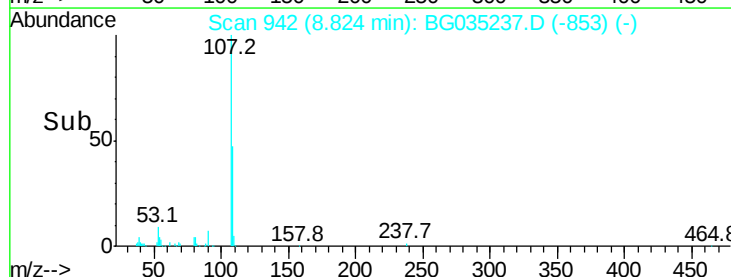
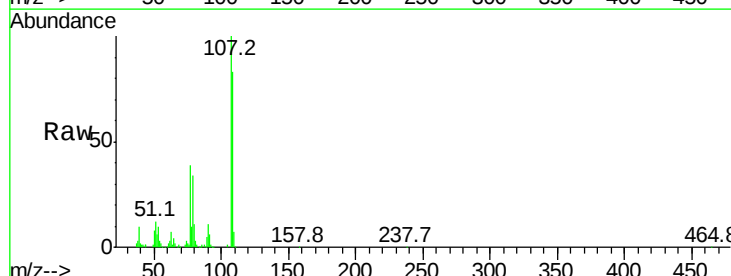
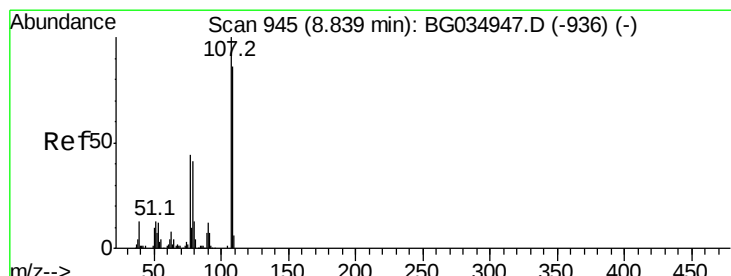
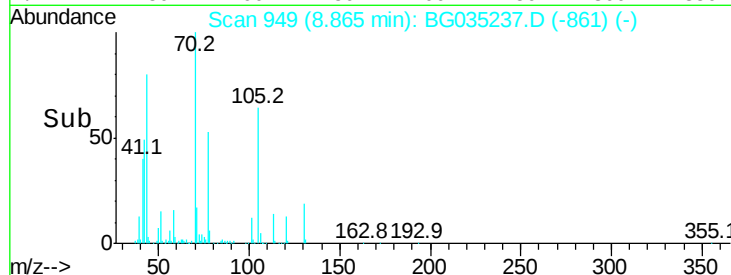
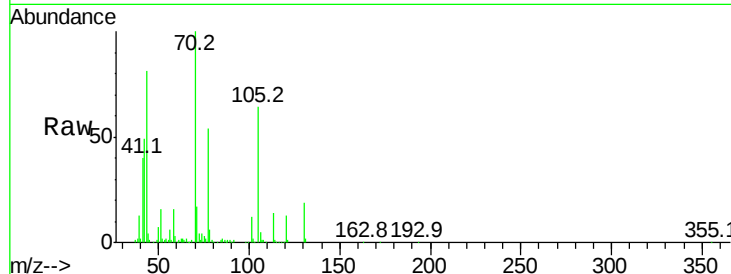
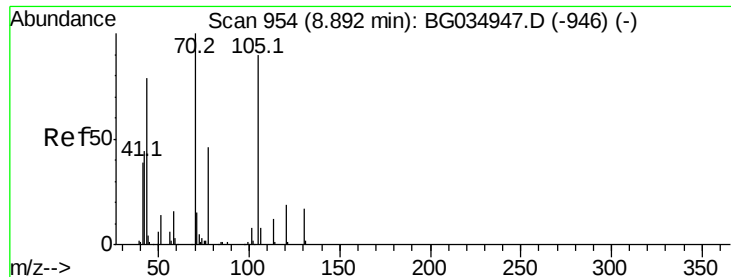
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#18
Hexachloroethane
Concen: 44.809 ng
RT: 9.15 min Scan# 997
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	76.7	115.1
201	135.5	95.7	143.5





#19

n-Nitroso-di-n-propylamine

Concen: 35.915 ng

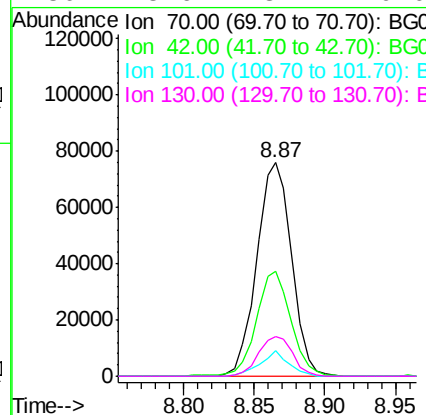
RT: 8.87 min Scan# 949

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tot Ion	Ratio	Lower	Upper
70	100		
42	48.9	49.1	73.7#
101	12.2	8.5	12.7
130	18.6	13.4	20.0



Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

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#20

3+4-Methylphenols

Concen: 41.142 ng

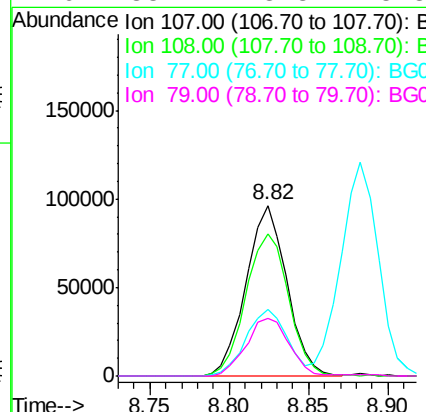
RT: 8.82 min Scan# 942

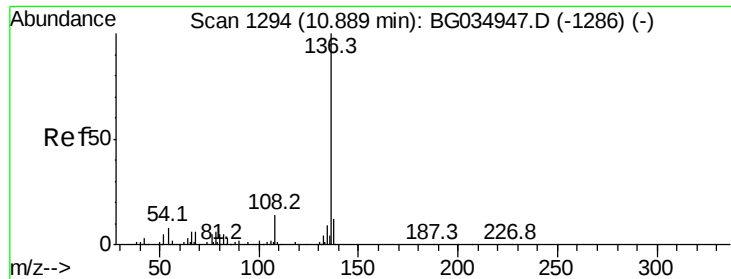
Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.2	61.6	101.6
77	39.0	13.9	53.9
79	33.7	8.8	48.8





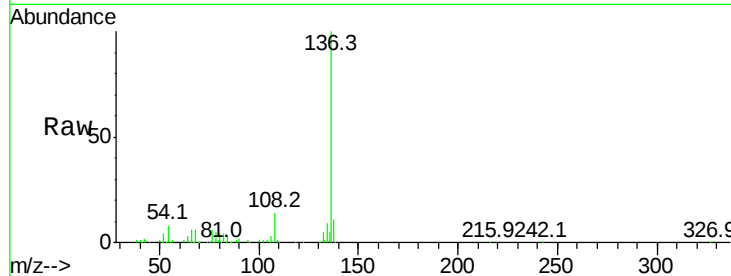
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	168161		
137	11.5	9.2	13.8	
54	7.8	10.3	15.5	
68	5.5	4.5	6.7	

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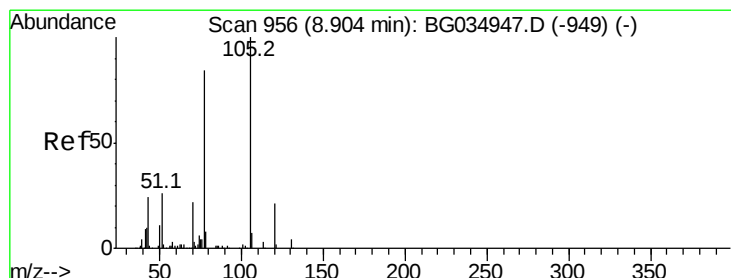
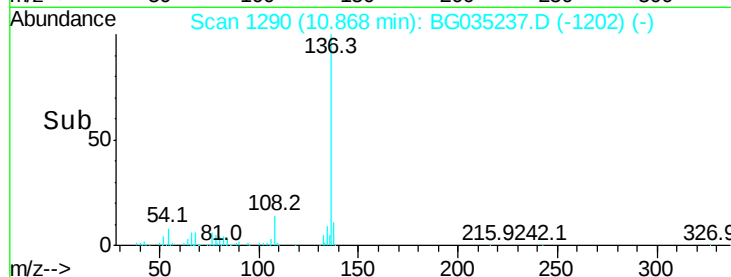
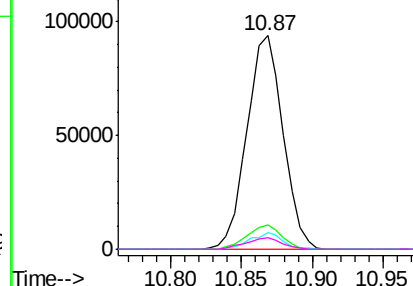
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22
Acetophenone
Concen: 46.770 ng
RT: 8.88 min Scan# 952
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243632		
71	1.5	3.0	4.4	
51	24.6	26.1	39.1	
120	21.7	17.4	26.2	

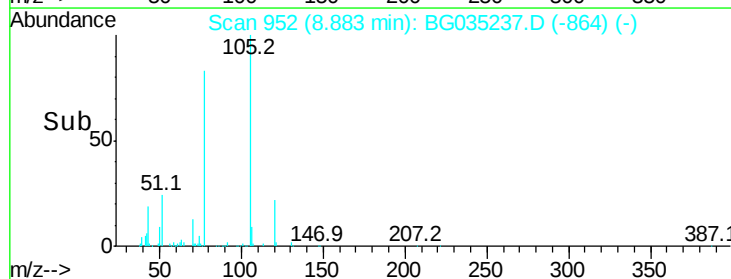
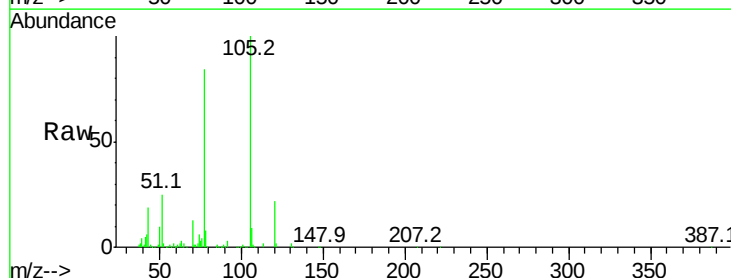
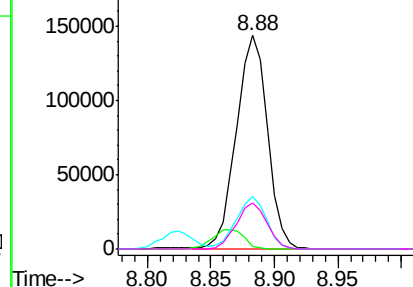
Abundance

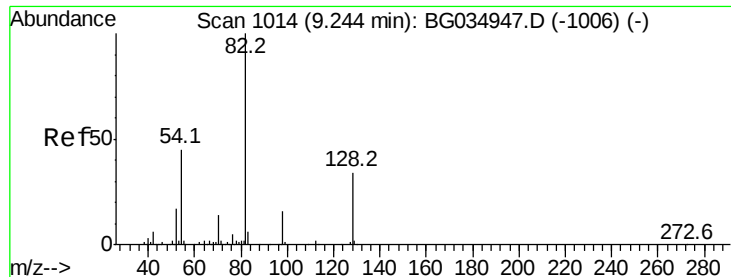
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





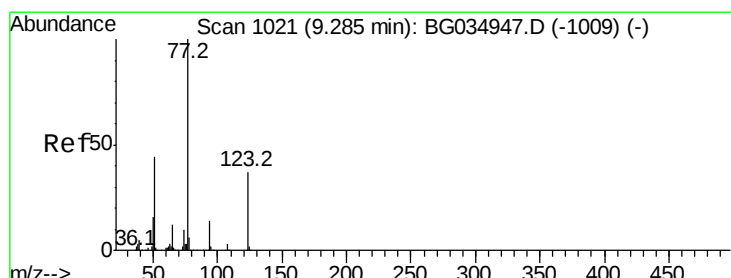
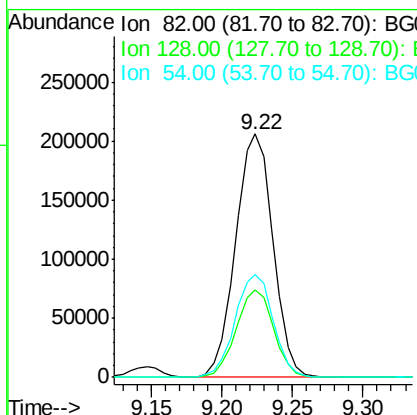
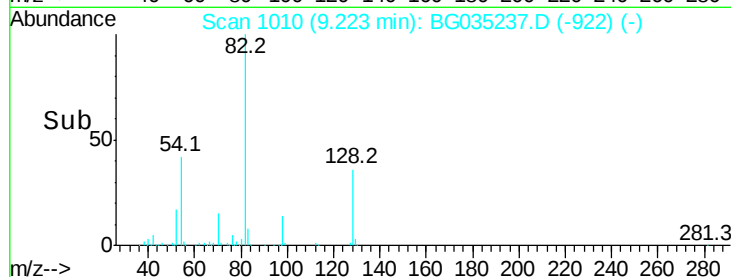
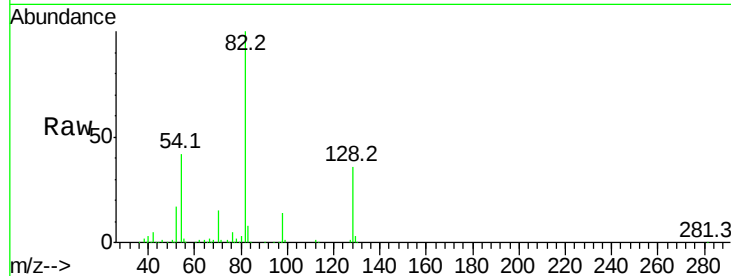
#23
 Nitrobenzene-d5
 Concen: 107.506 ng
 RT: 9.22 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.7	44.5
54	42.0	43.1	64.7#

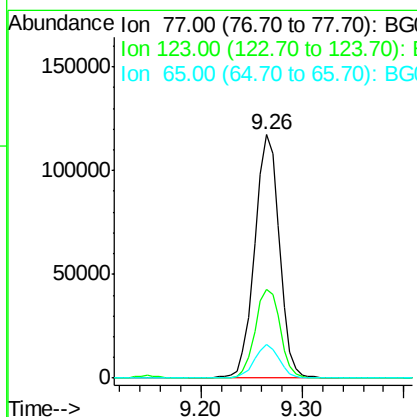
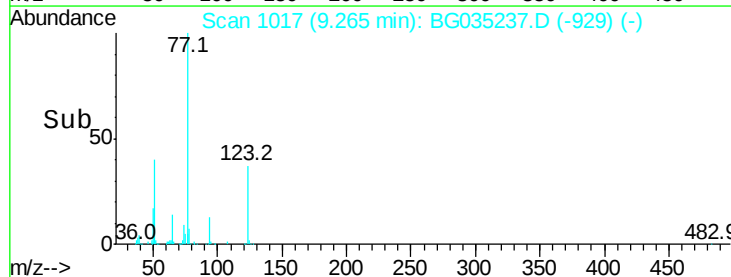
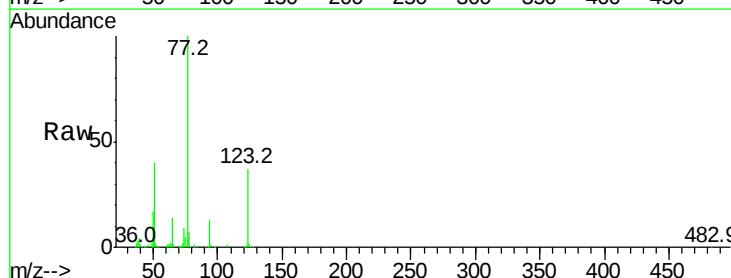
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#24
 Nitrobenzene
 Concen: 55.177 ng
 RT: 9.26 min Scan# 1017
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.7	33.0	49.6
65	13.7	13.0	19.6





#25

Isophorone

Concen: 51.053 ng

RT: 9.79 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

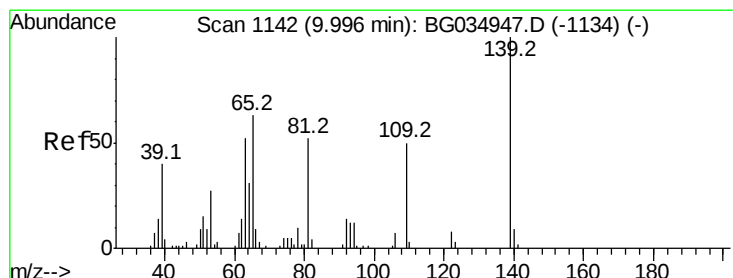
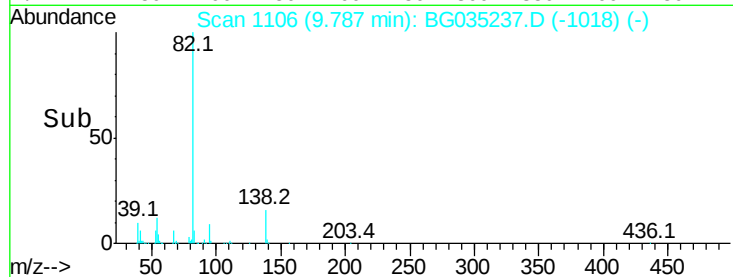
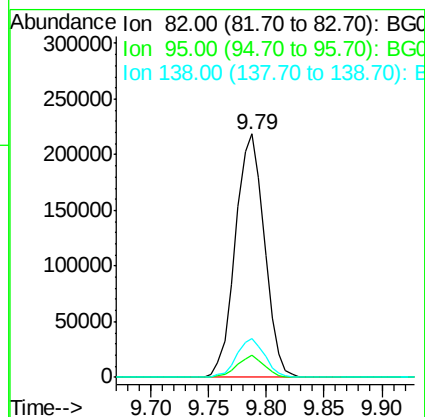
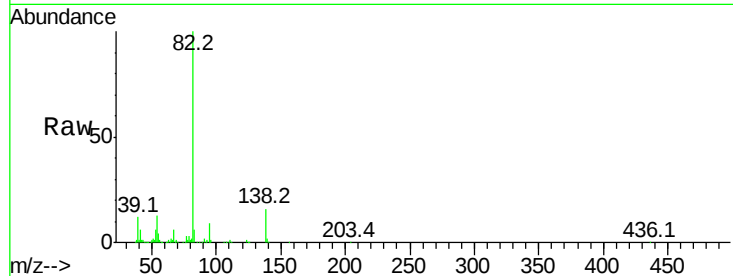
ClientSampleId :

BU-01-061518MSD

Tot Ion:	82	Resp:	381323
Ion Ratio	Lower	Upper	
82	100		
95	9.1	6.2	9.2
138	15.9	12.1	18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 63.799 ng

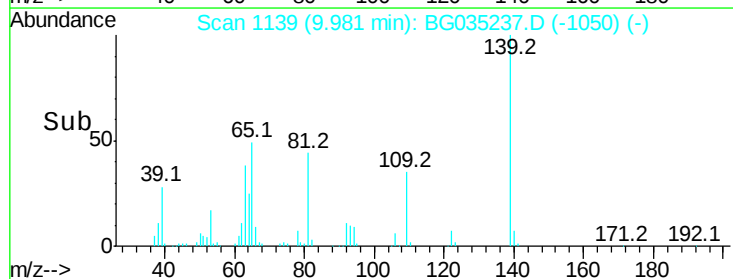
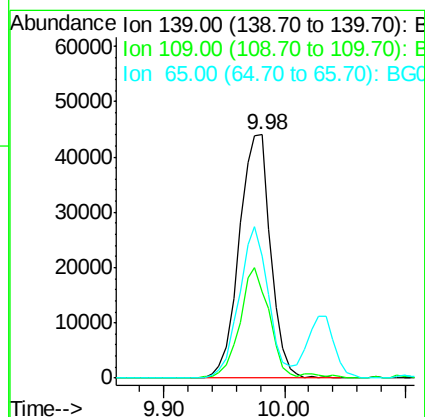
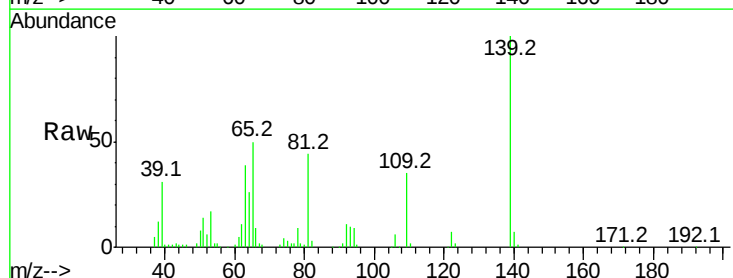
RT: 9.98 min Scan# 1139

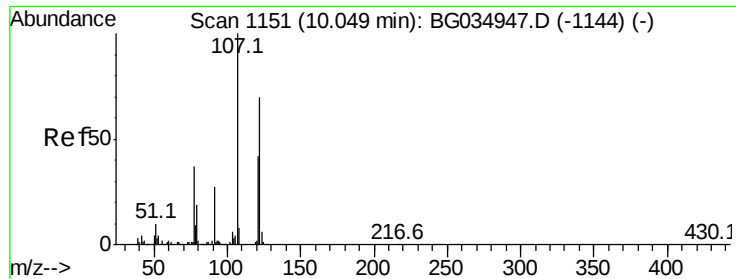
Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	139	Resp:	79665
Ion Ratio	Lower	Upper	
139	100		
109	35.4	24.2	36.2
65	50.2	47.4	71.0





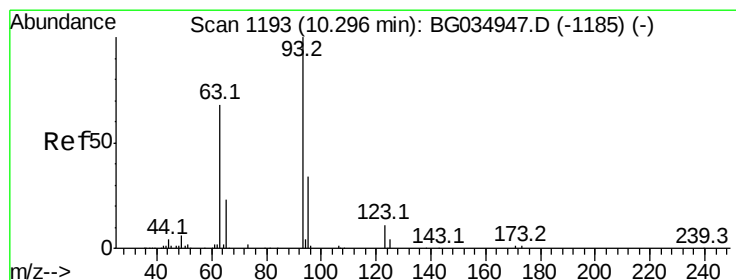
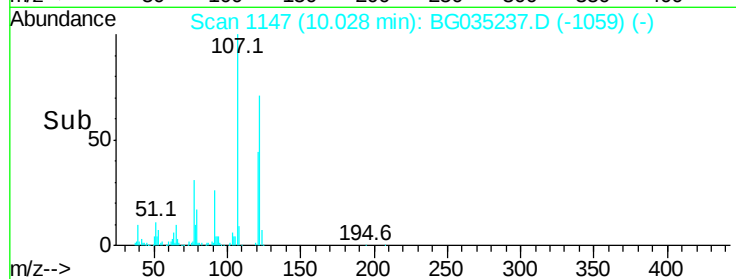
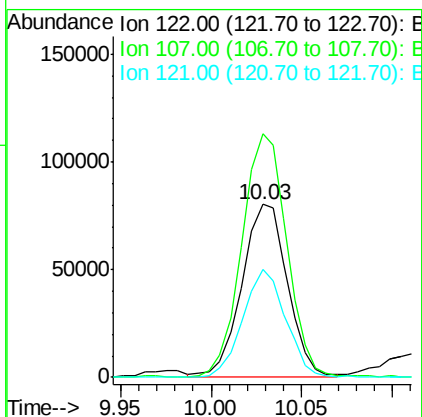
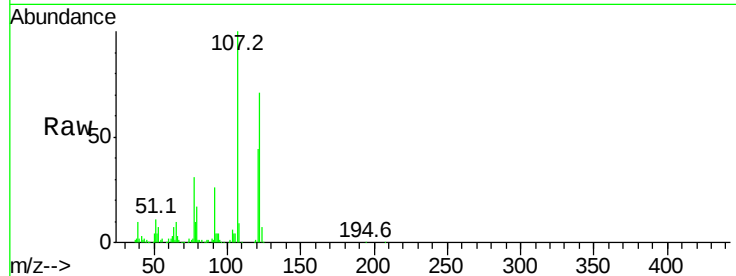
#27
2,4-Dimethylphenol
Concen: 53.431 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	140.9	100.2	150.2
121	62.3	44.4	66.6

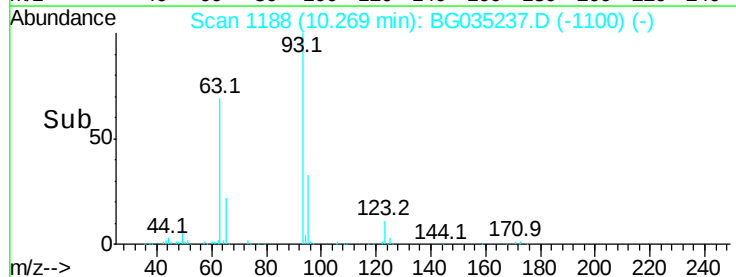
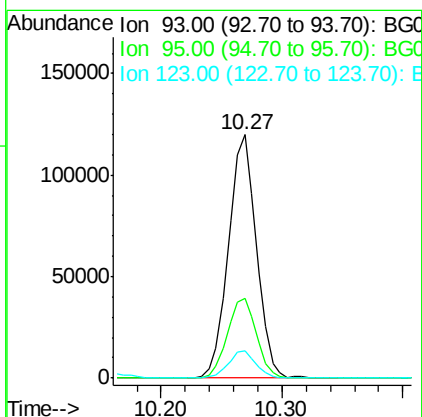
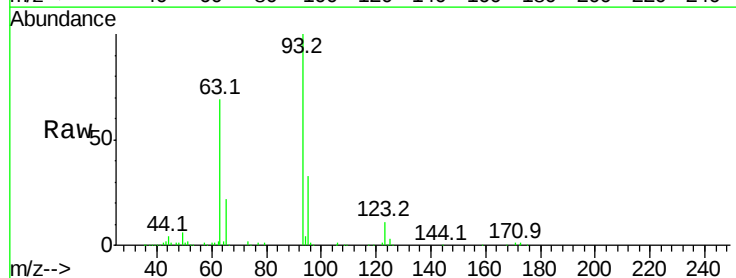
Manual Integrations
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#28
bis(2-Chloroethoxy)methane
Concen: 48.028 ng
RT: 10.27 min Scan# 1188
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	24.3	36.5
123	11.4	8.4	12.6





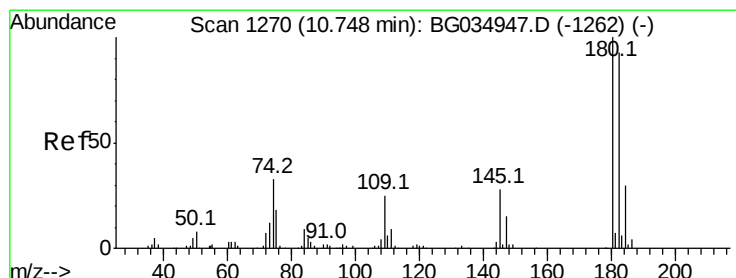
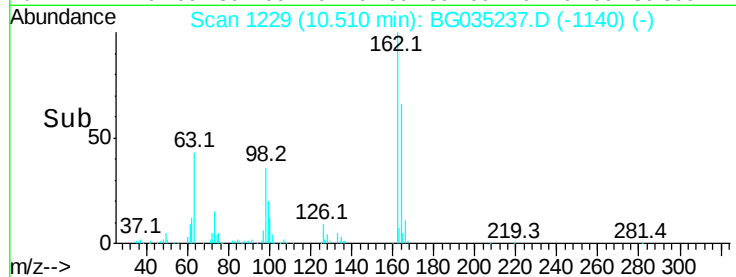
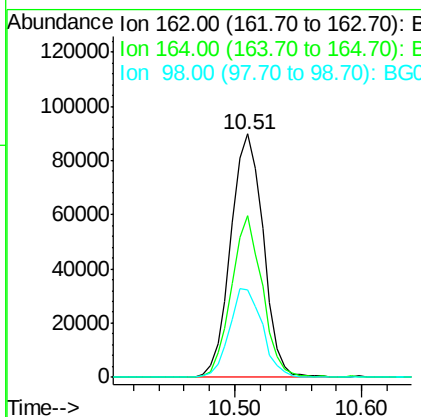
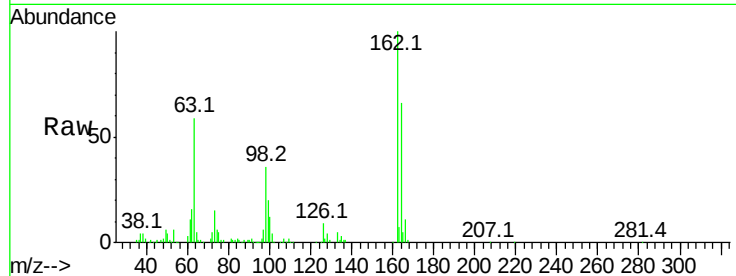
#29
2,4-Dichlorophenol
Concen: 55.777 ng
RT: 10.51 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	66.5	48.0	88.0
98	35.7	21.1	61.1

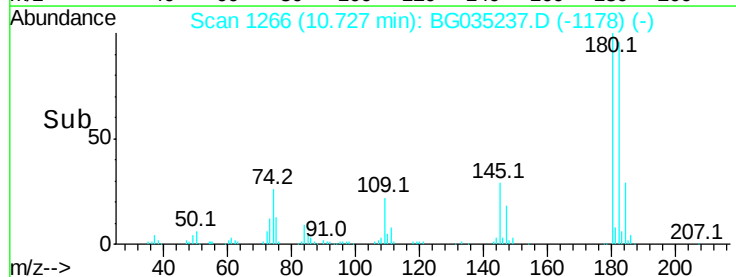
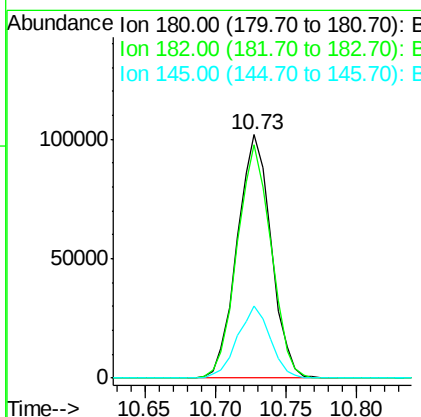
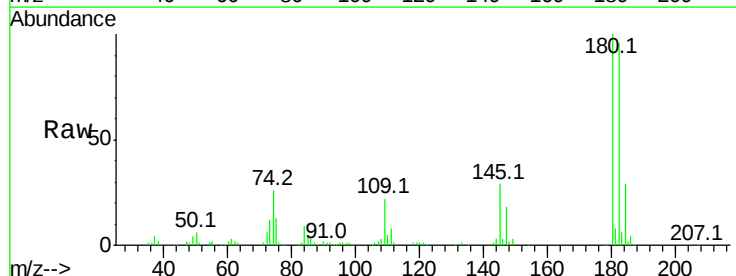
Manual Integrations
APPROVED

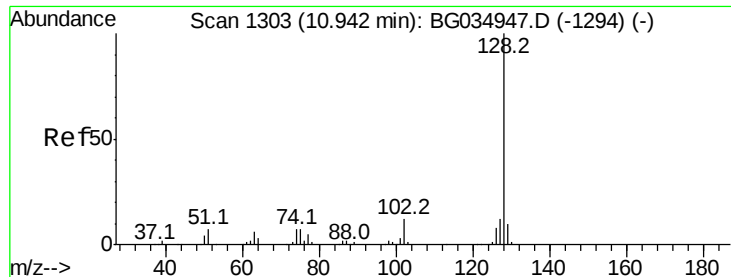
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#30
1,2,4-Trichlorobenzene
Concen: 50.060 ng
RT: 10.73 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.9	77.5	116.3
145	29.5	23.4	35.2





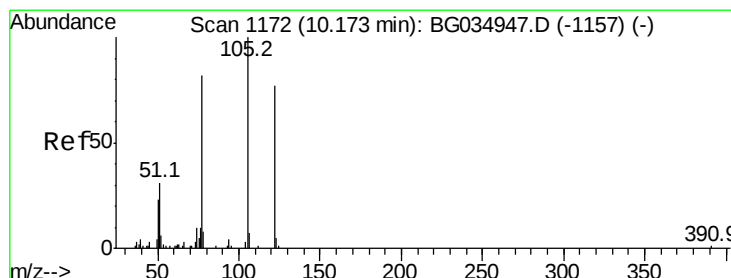
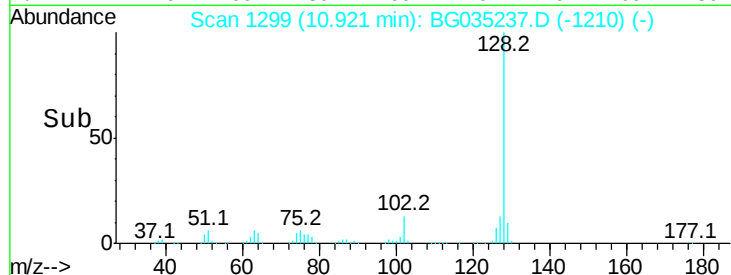
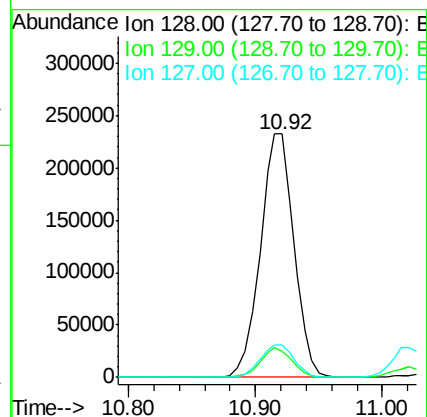
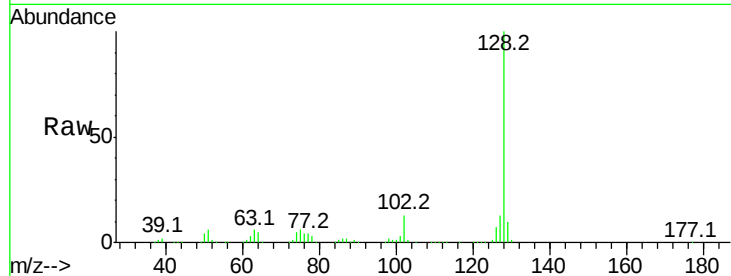
#31
Naphthalene
Concen: 48.812 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.5	11.6	17.4

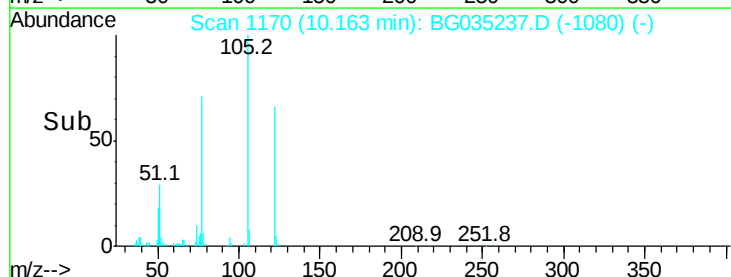
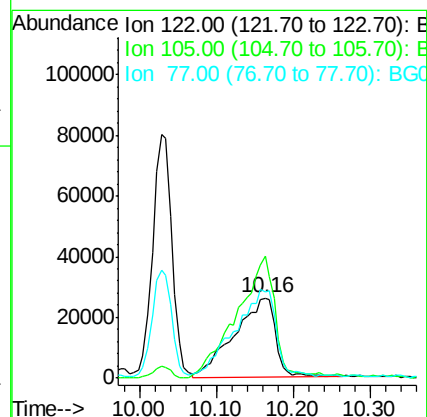
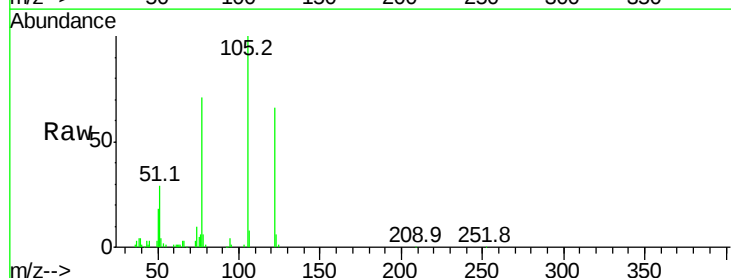
Manual Integrations
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#32
Benzoic acid
Concen: 55.302 ng
RT: 10.16 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	152.5	123.5	163.5
77	108.3	85.7	125.7





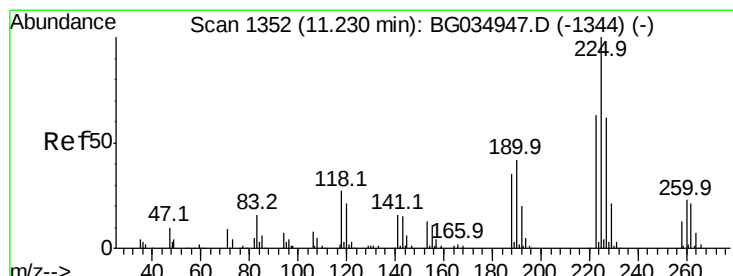
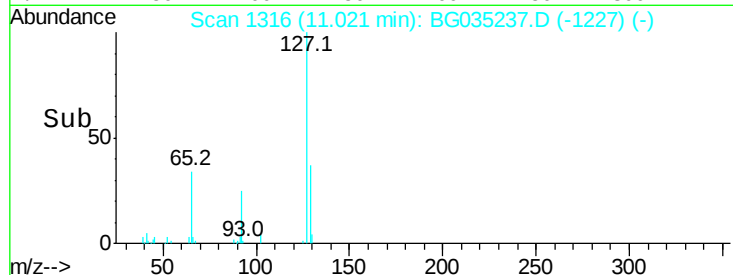
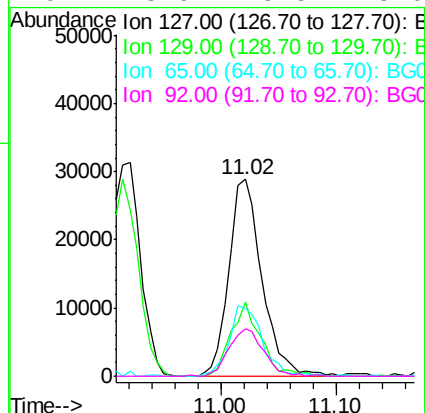
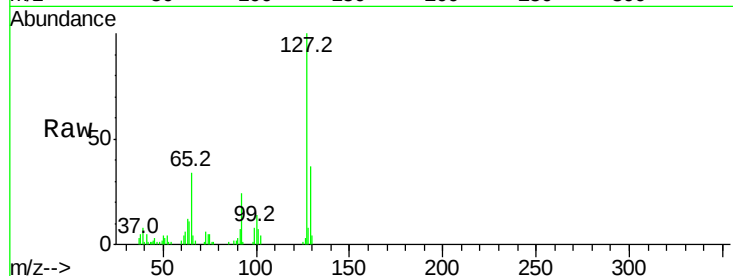
#33
4-Chloroaniline
Concen: 15.171 ng
RT: 11.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	37.4	24.0	36.0#
65	34.3	27.0	40.4
92	23.9	16.6	25.0

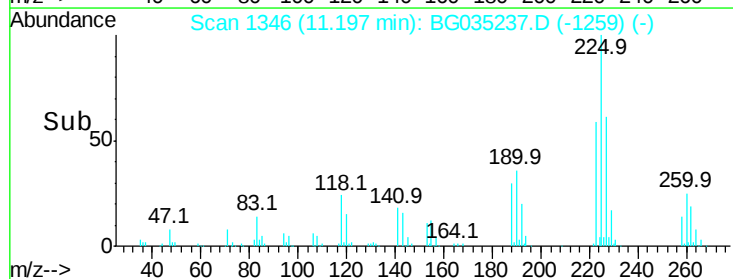
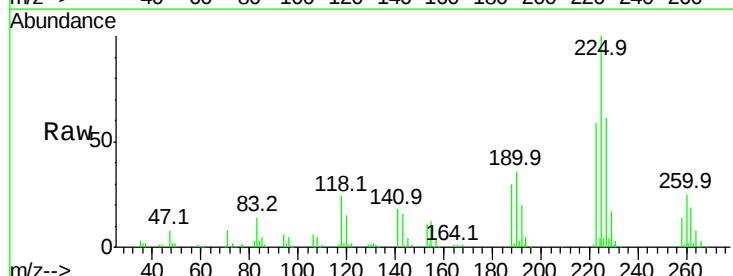
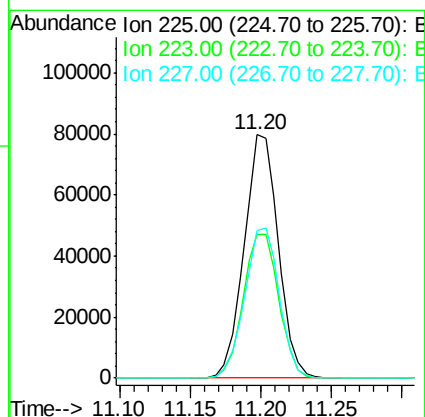
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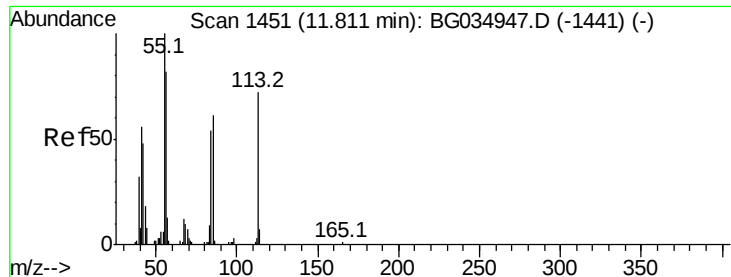
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#34
Hexachlorobutadiene
Concen: 50.696 ng
RT: 11.20 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.0	49.7	74.5
227	60.8	48.1	72.1





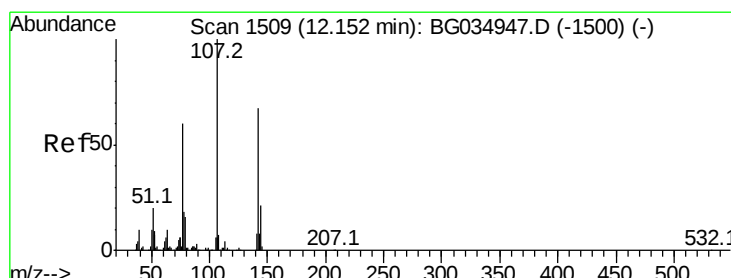
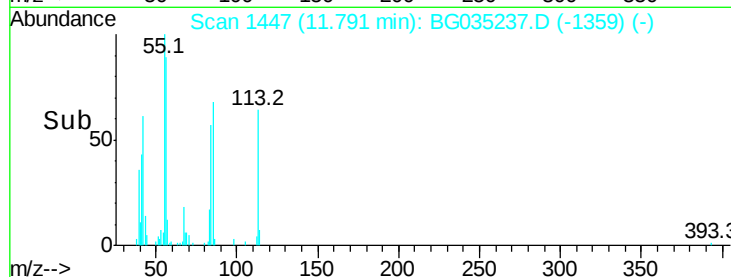
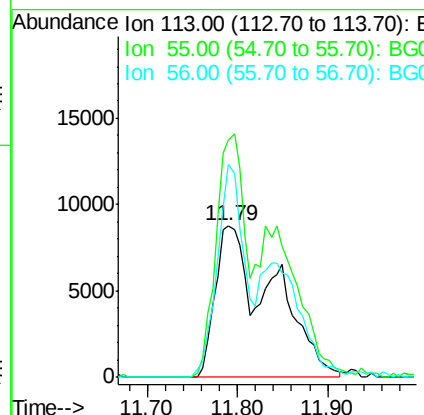
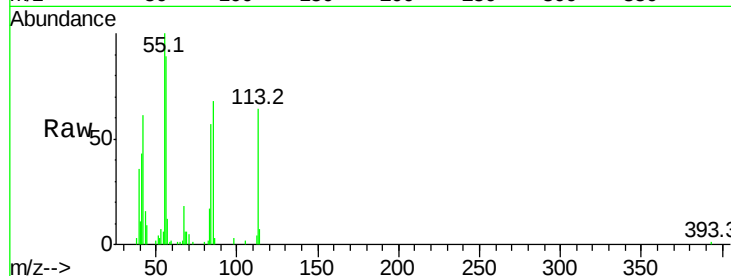
#35
 Caprolactam
 Concen: 36.360 ng/ml
 RT: 11.79 min Scan# 1447
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	156.4		186.9	226.9	
56	139.8		130.9	170.9	

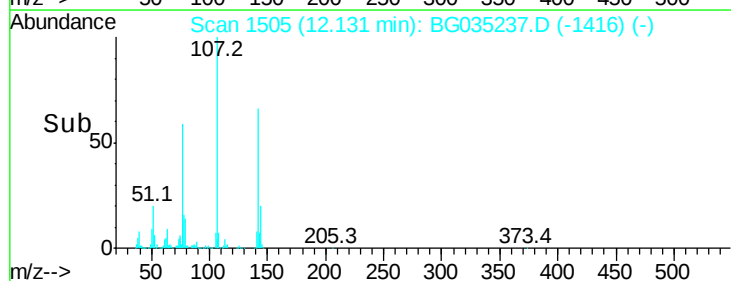
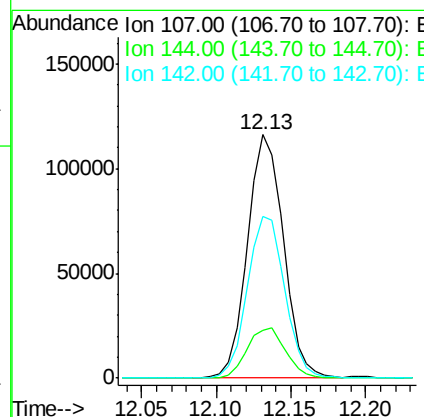
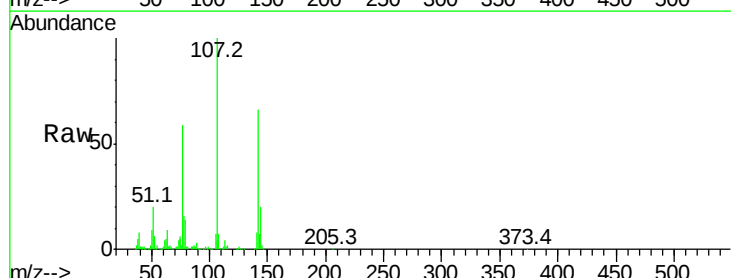
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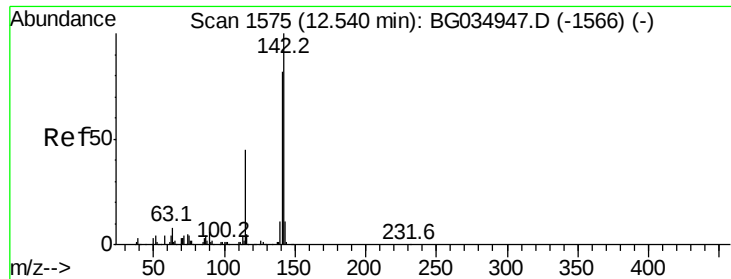
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#36
 4-Chloro-3-methylphenol
 Concen: 54.511 ng
 RT: 12.13 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	19.8		18.2	27.4	
142	66.3		59.0	88.4	





#37

2-Methylnaphthalene

Concen: 50.642 ng

RT: 12.51 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:142 Resp: 335410

Ion Ratio Lower Upper

142 100

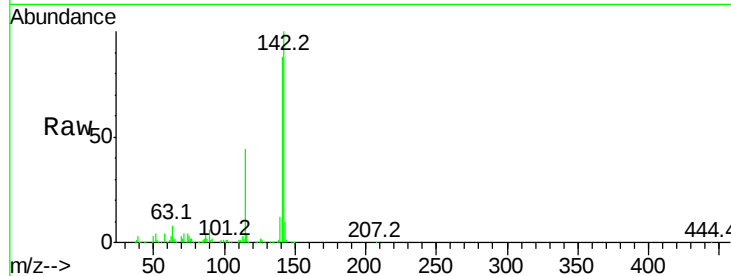
141 87.6 67.1 100.7

115 43.8 30.7 46.1

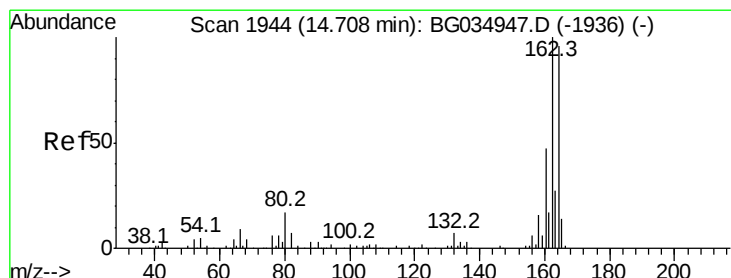
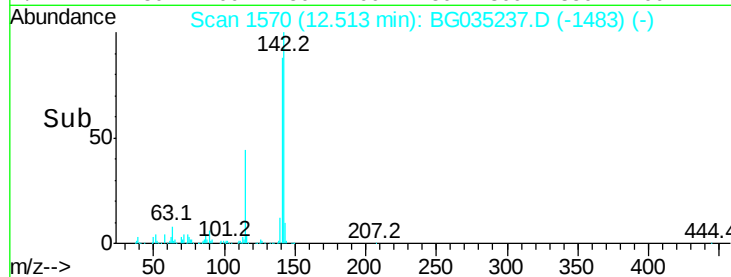
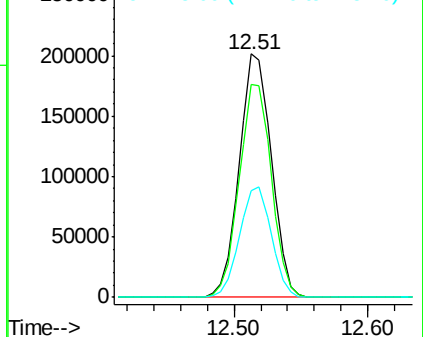
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

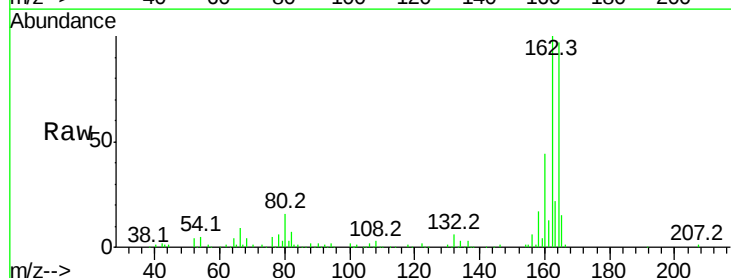
Tgt Ion:164 Resp: 119147

Ion Ratio Lower Upper

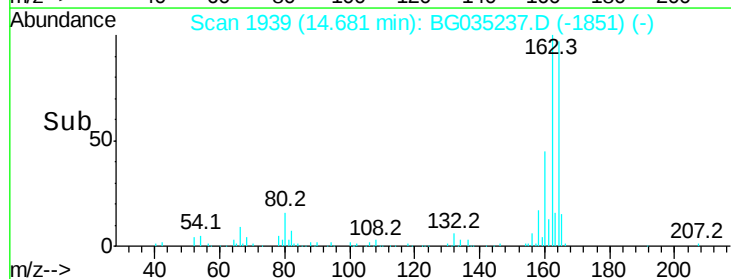
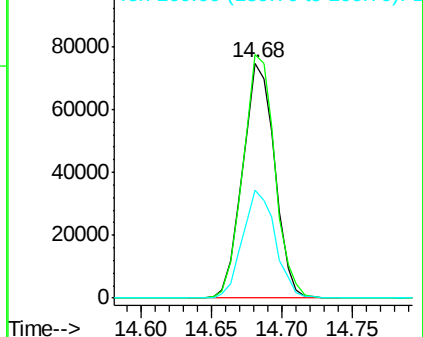
164 100

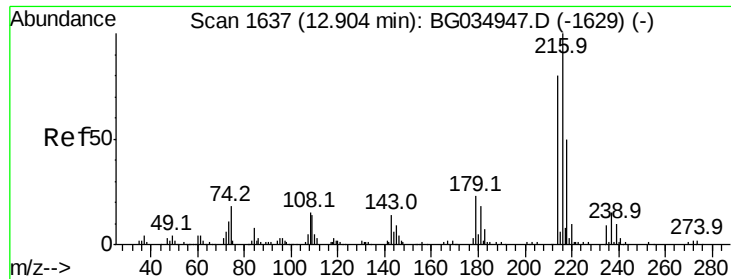
162 103.6 78.8 118.2

160 46.1 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





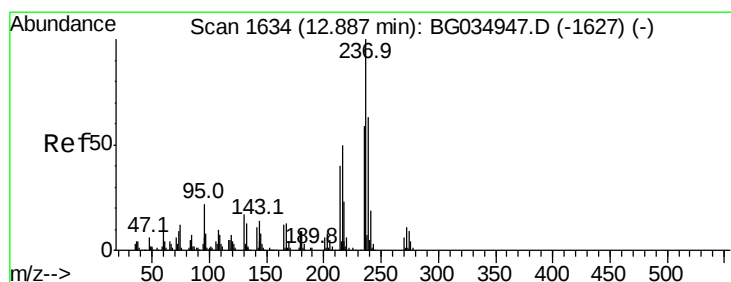
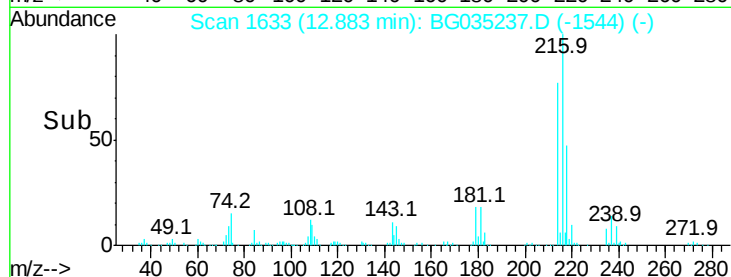
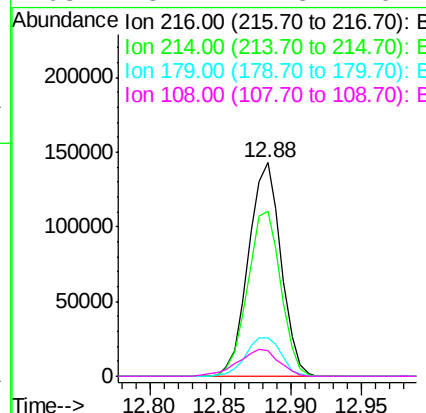
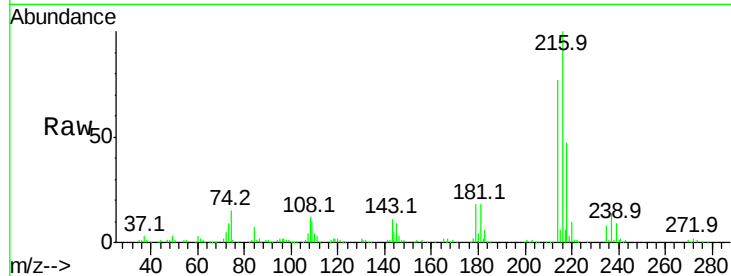
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 52.171 ng
 RT: 12.88 min Scan# 1633
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	231535		
214	78.6	63.0	94.4	
179	19.6	17.0	25.6	
108	15.7	12.8	19.2	

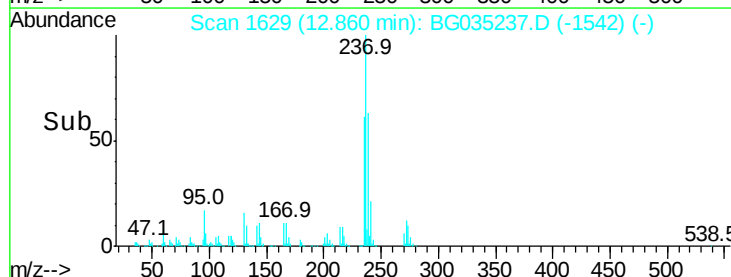
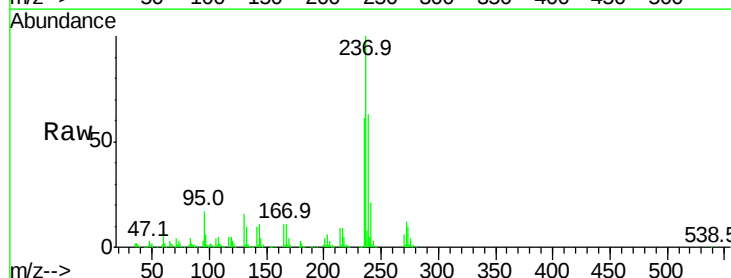
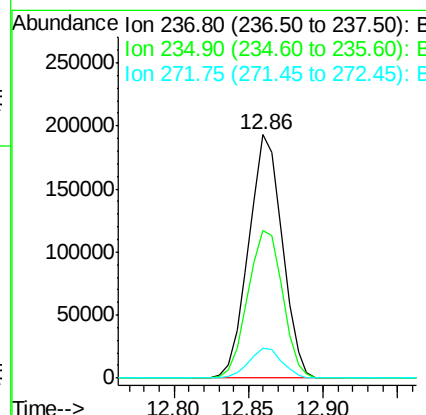
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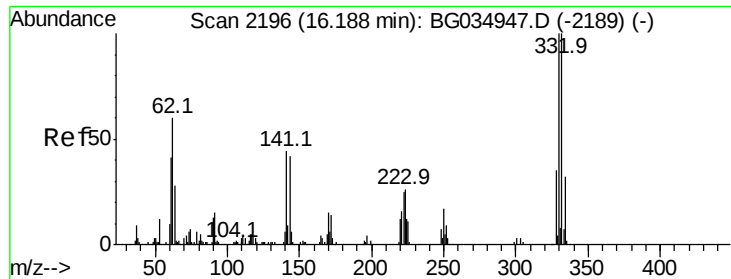
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#40
 Hexachlorocyclopentadiene
 Concen: 107.811 ng
 RT: 12.86 min Scan# 1629
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	300041		
235	60.7	50.4	90.4	
272	12.2	0.0	31.8	





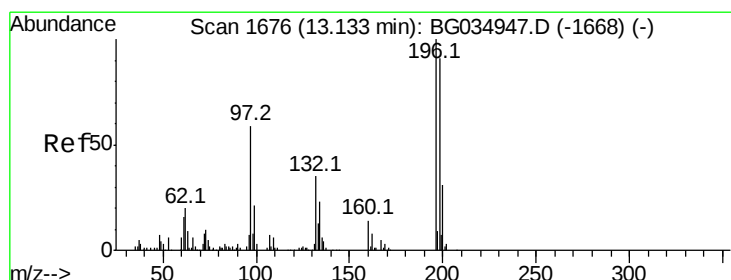
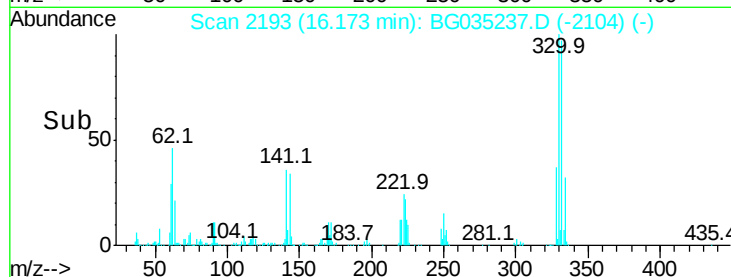
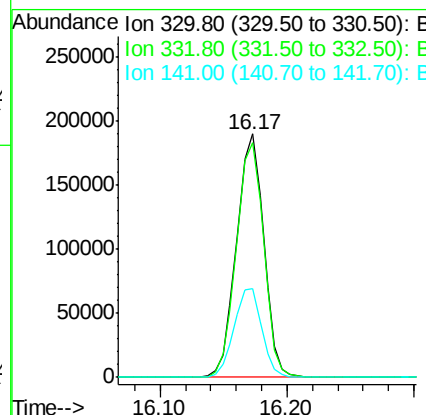
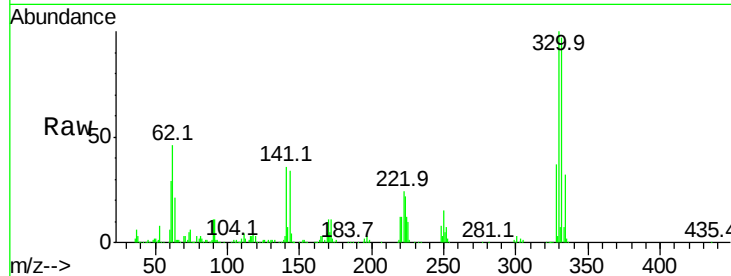
#41
 2,4,6-Tribromophenol
 Concen: 184.797 ng
 RT: 16.17 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	77.0	115.6	
141	36.9	25.2	37.8	

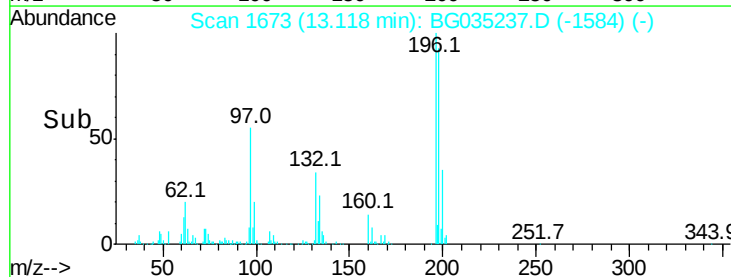
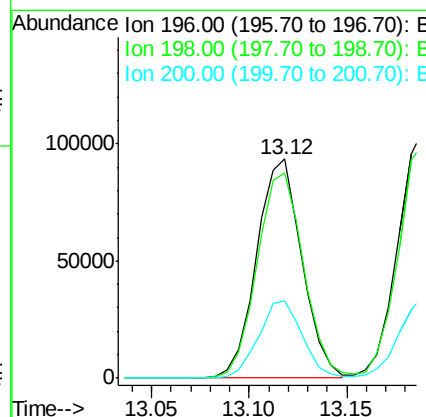
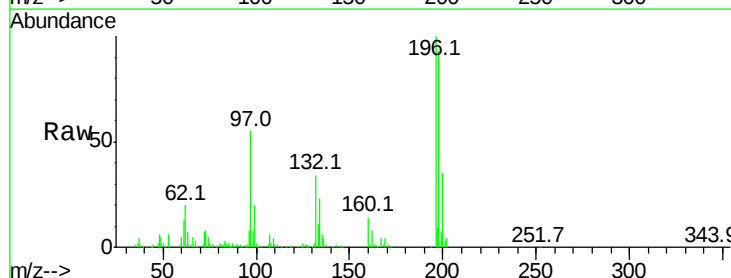
Manual Integrations
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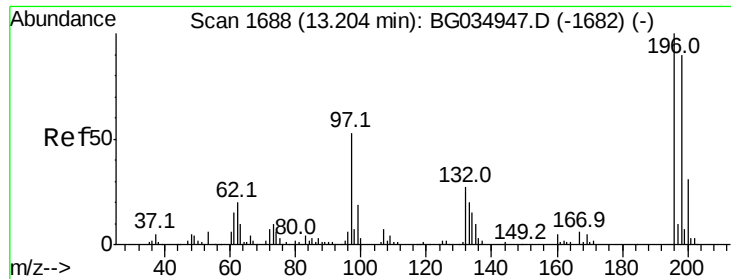
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#42
 2,4,6-Trichlorophenol
 Concen: 56.246 ng
 RT: 13.12 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	93.4	78.2	117.2	
200	35.2	24.6	36.8	





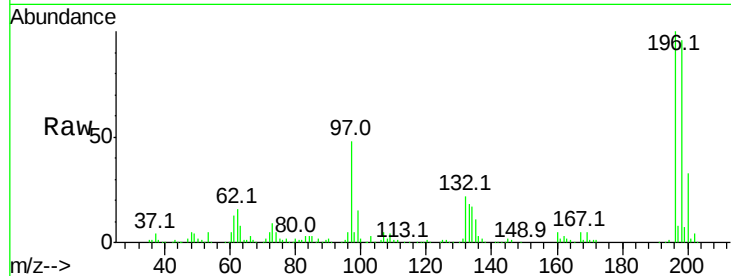
#43
 2,4,5-Trichlorophenol
 Concen: 58.684 ng
 RT: 13.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

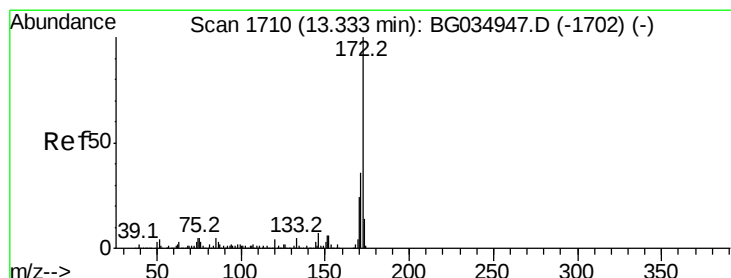
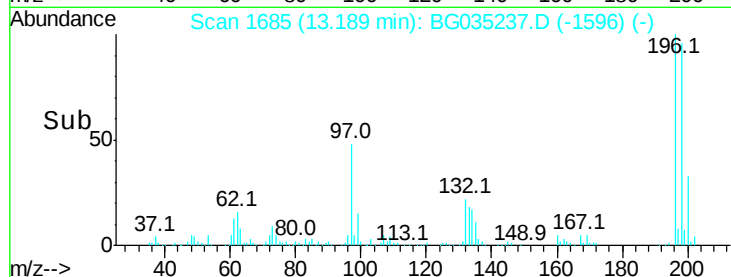
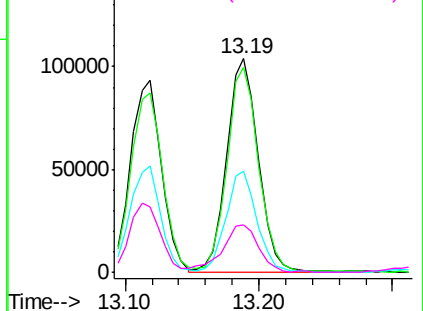
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		171163		
198	95.8	76.2	114.4		
97	47.5	38.7	58.1		
132	22.1	20.2	30.2		

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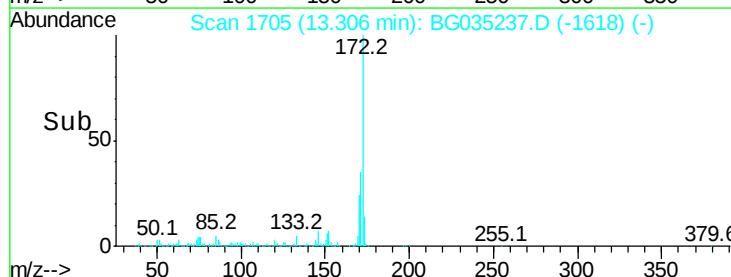
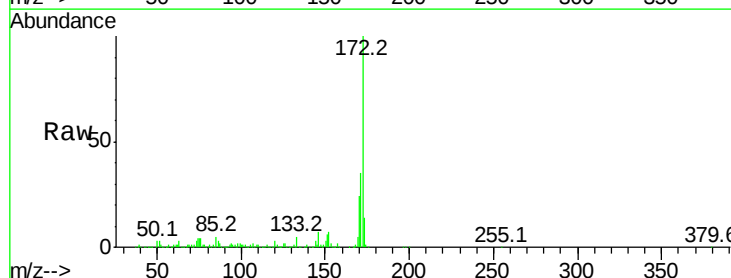
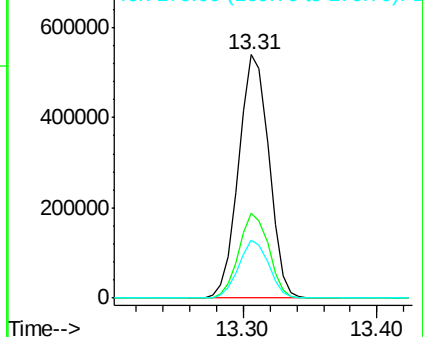
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BGC
 Ion 132.00 (131.70 to 132.70): E

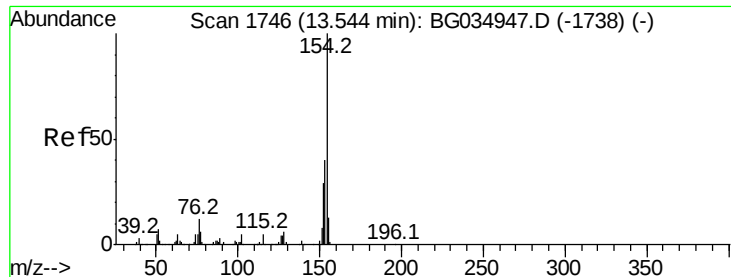


#44
 2-Fluorobiphenyl
 Concen: 92.261 ng
 RT: 13.31 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		845584		
171	35.1	30.0	45.0		
170	23.7	19.5	29.3		

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





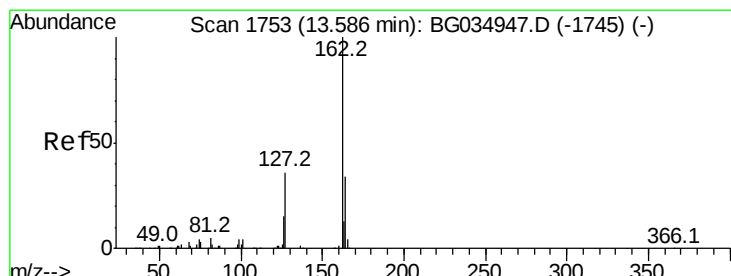
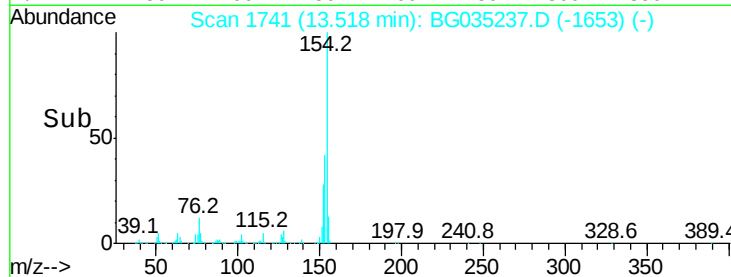
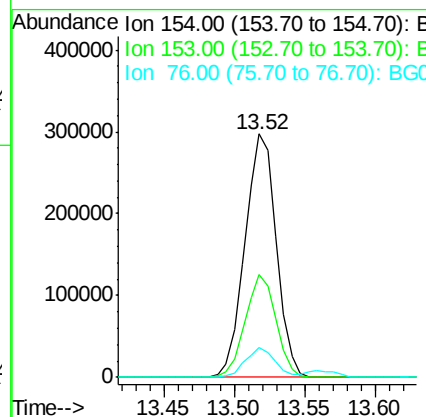
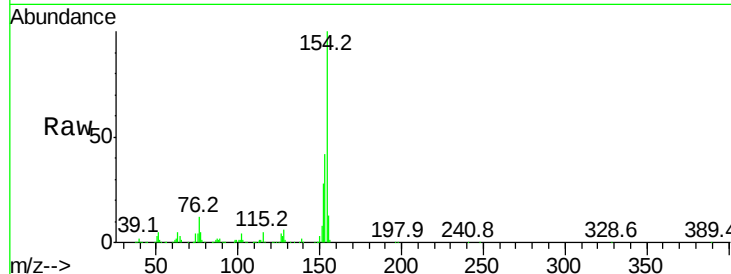
#45
 1,1'-Biphenyl
 Concen: 48.220 ng
 RT: 13.52 min Scan# 1741
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	42.5	19.8	59.8	
76	12.3	0.0	31.9	

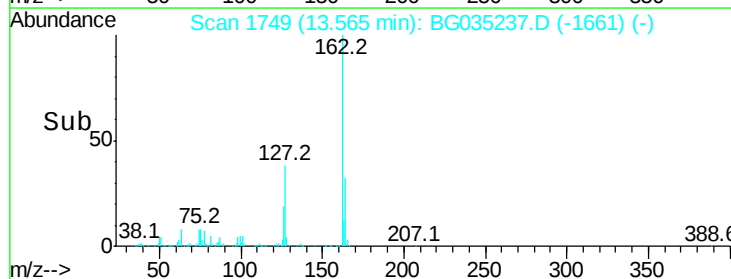
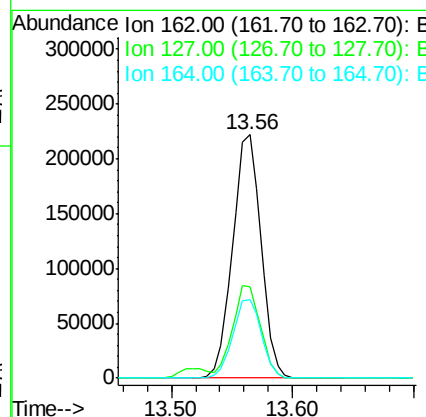
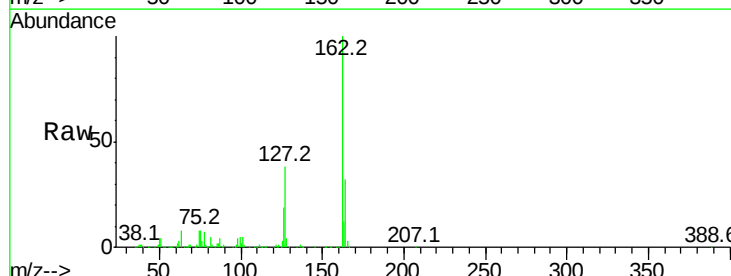
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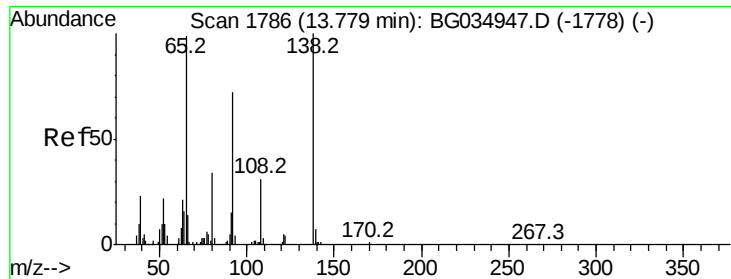
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#46
 2-Chloronaphthalene
 Concen: 50.103 ng
 RT: 13.56 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	37.5	30.7	46.1	
164	32.4	26.0	39.0	





#47

2-Nitroaniline

Concen: 61.153 ng

RT: 13.76 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

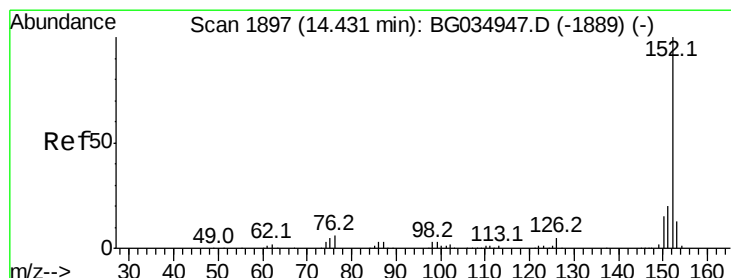
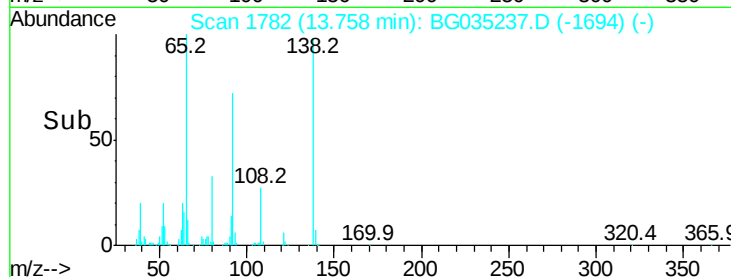
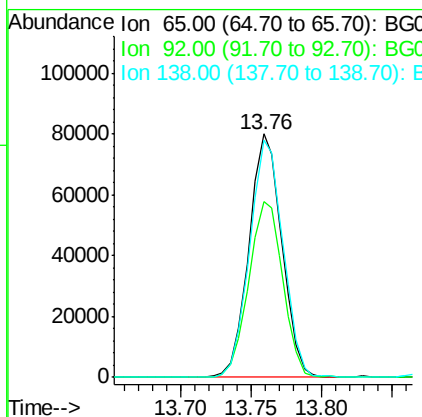
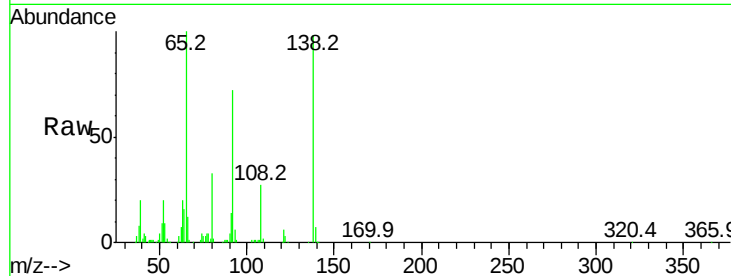
ClientSampleId :

BU-01-061518MSD

Tot Ion:	65	Resp:	130803
Ion Ratio	Lower	Upper	
65	100		
92	72.0	54.6	82.0
138	97.6	72.9	109.3

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#48

Acenaphthylene

Concen: 51.121 ng

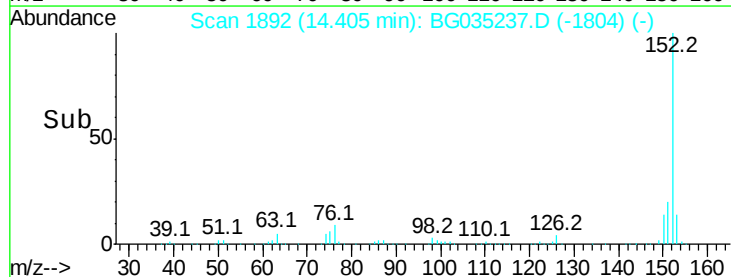
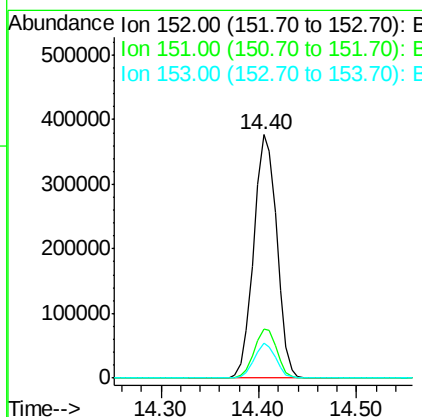
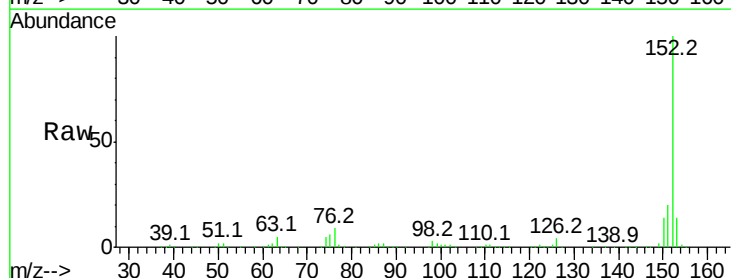
RT: 14.40 min Scan# 1892

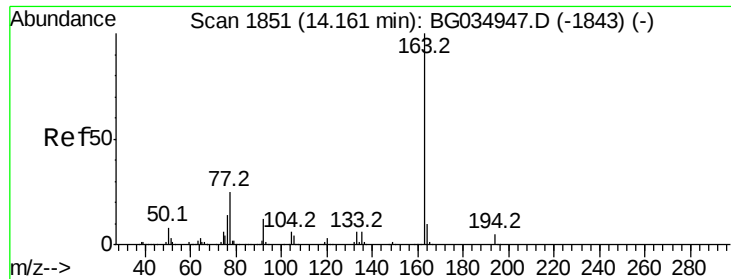
Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	152	Resp:	620912
Ion Ratio	Lower	Upper	
152	100		
151	20.3	17.2	25.8
153	14.1	10.2	15.4





#49

Dimethylphthalate

Concen: 50.490 ng

RT: 14.13 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:163 Resp: 524588

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

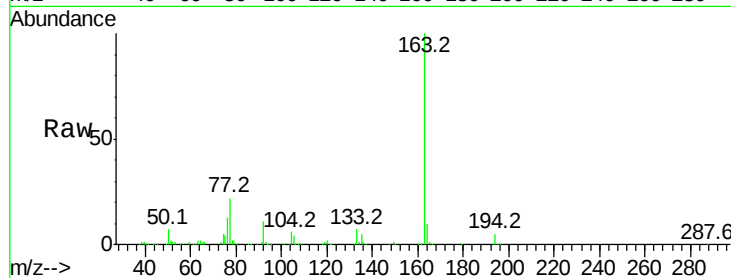
164 9.9 8.2 12.4

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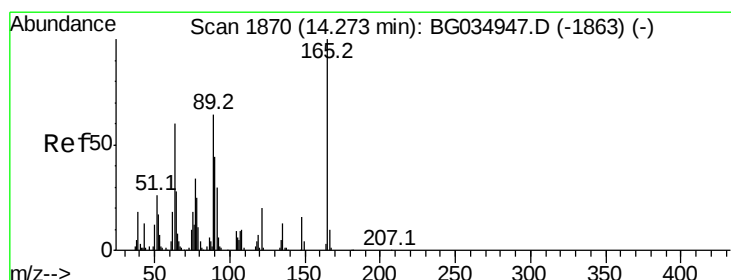
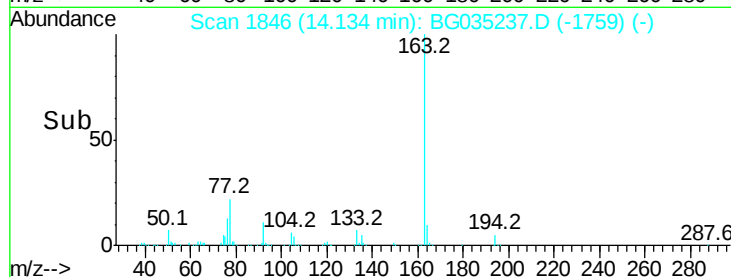
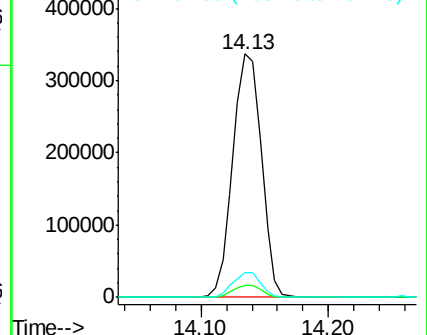
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 63.445 ng

RT: 14.25 min Scan# 1866

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

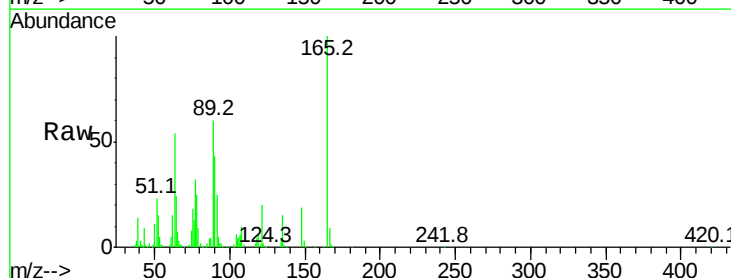
Tgt Ion:165 Resp: 120259

Ion Ratio Lower Upper

165 100

63 53.7 52.7 79.1

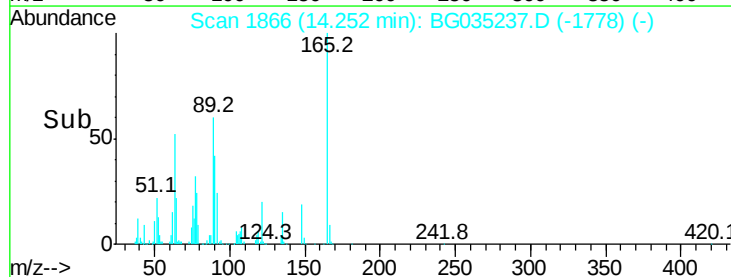
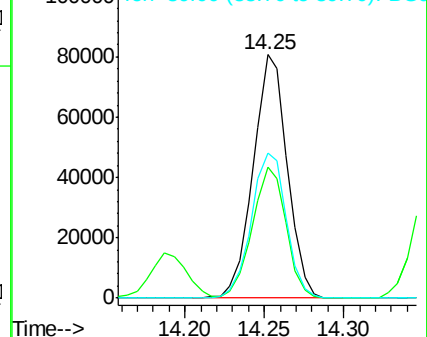
89 59.6 49.2 73.8

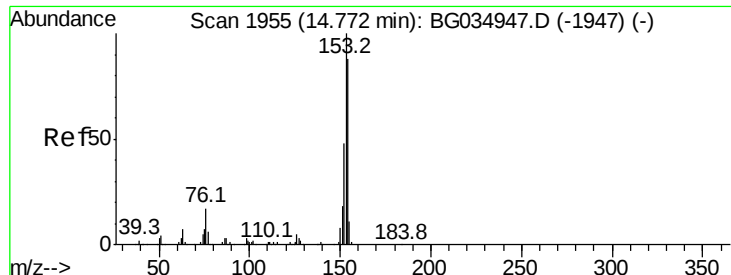


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#51

Acenaphthene

Concen: 47.554 ng

RT: 14.75 min Scan# 1950

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

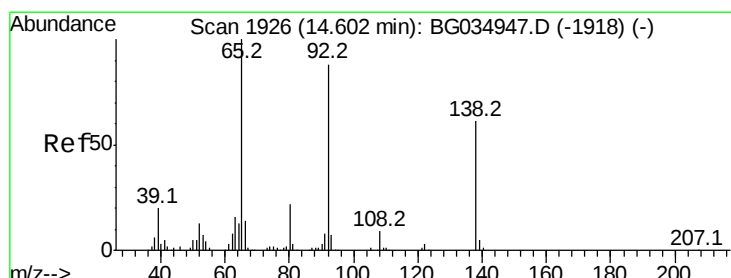
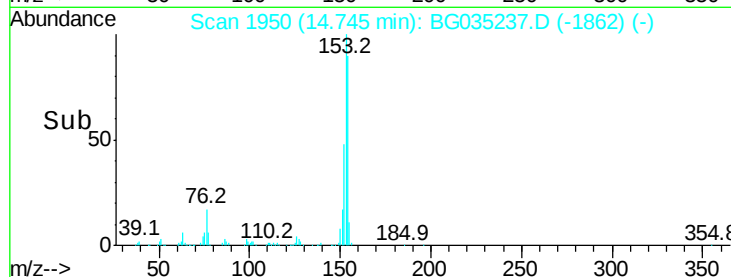
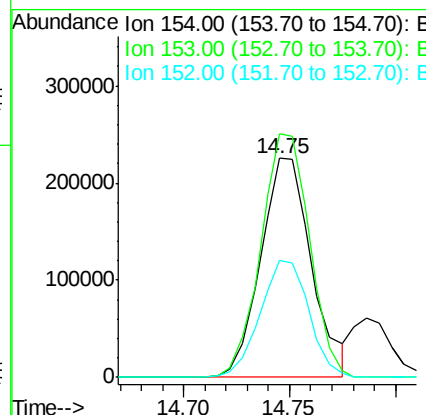
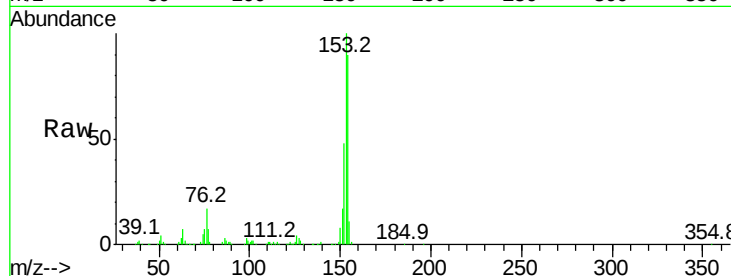
ClientSampleId :

BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.3	90.4	135.6
152	53.3	41.6	62.4

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#52

3-Nitroaniline

Concen: 40.096 ng

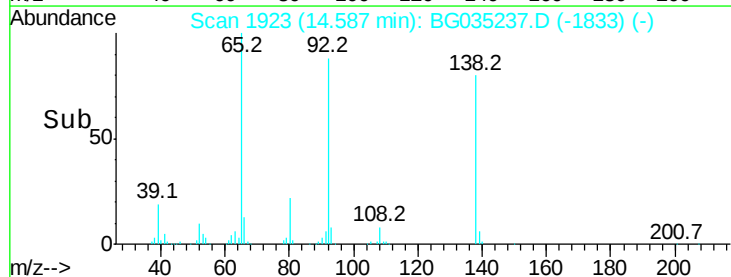
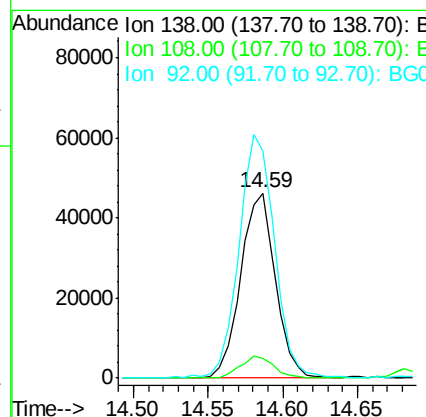
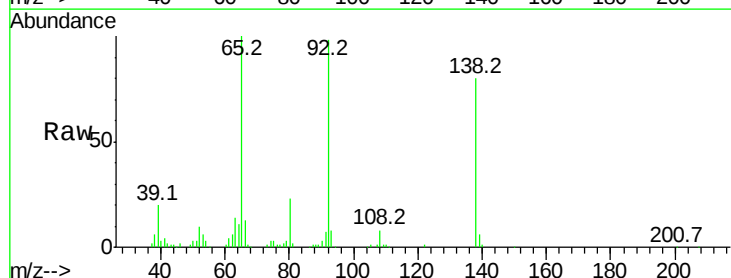
RT: 14.59 min Scan# 1923

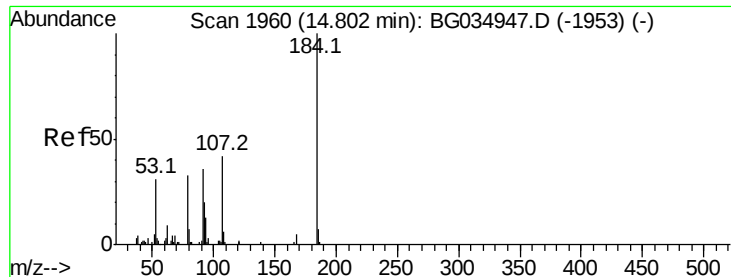
Delta R.T. -0.00 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
138	100		
108	10.6	17.5	26.3#
92	122.5	105.8	158.8





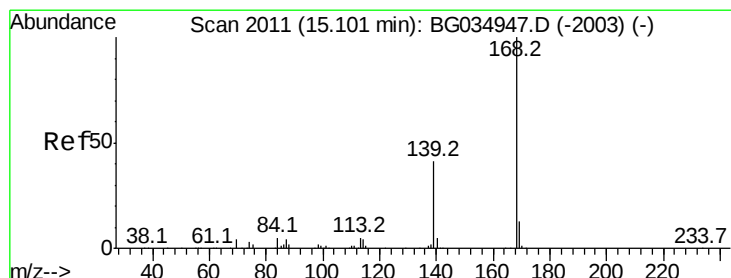
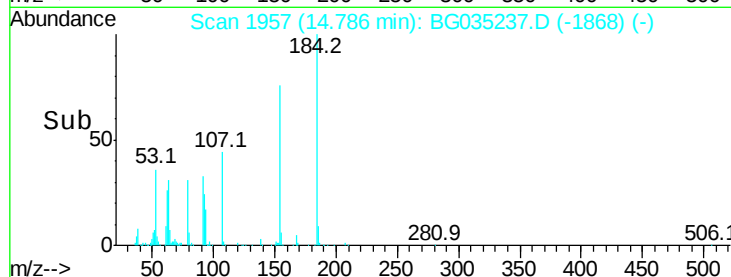
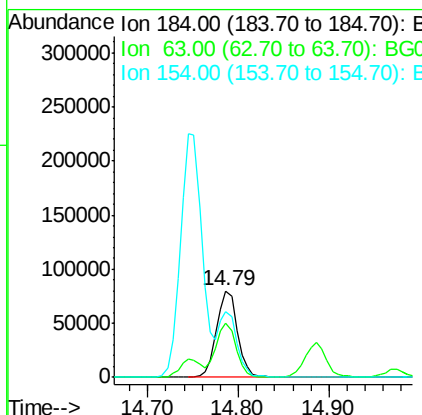
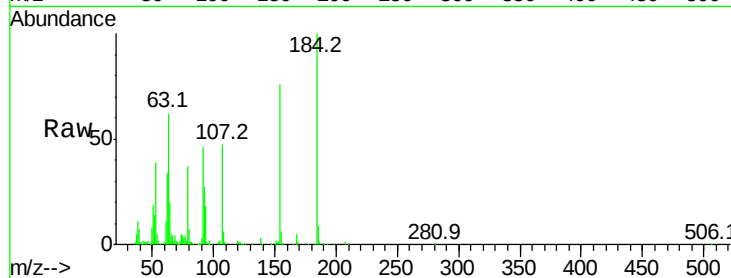
#53
2,4-Dinitrophenol
Concen: 168.153 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	62.3	59.8	89.8
154	75.8	101.8	152.8#

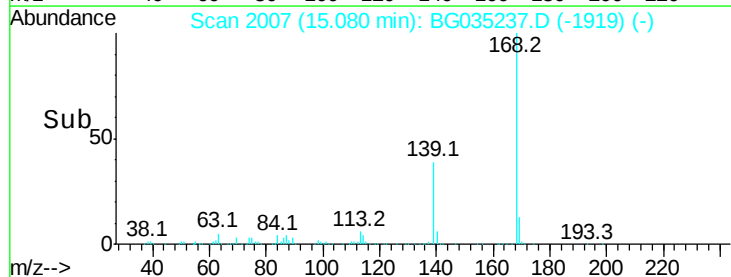
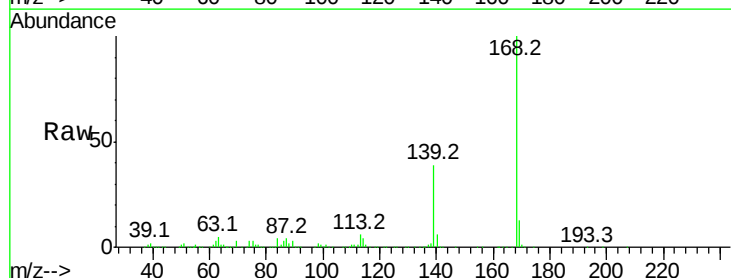
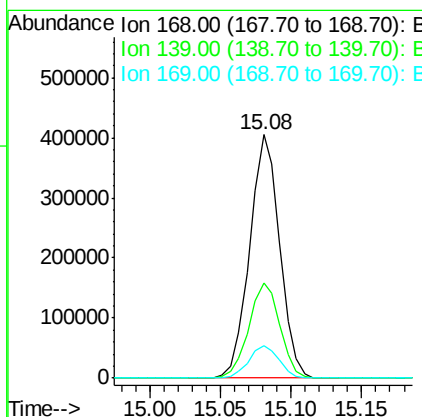
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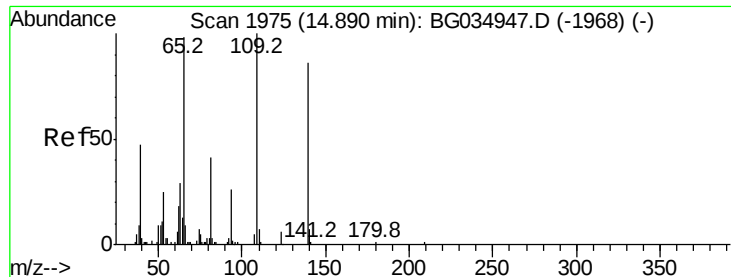
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#54
Dibenzofuran
Concen: 50.865 ng
RT: 15.08 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.8	28.6	43.0
169	13.2	11.2	16.8





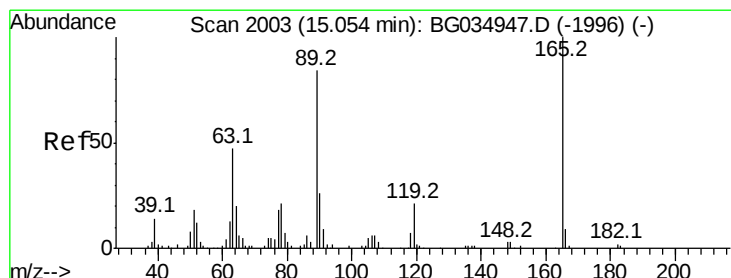
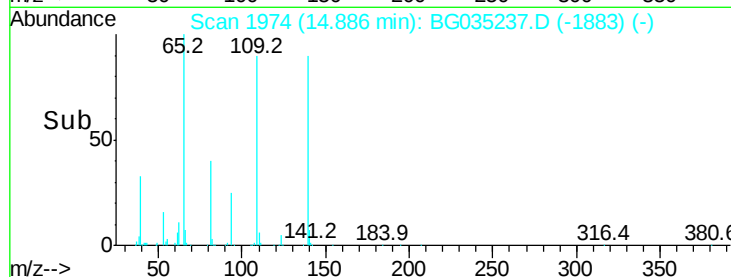
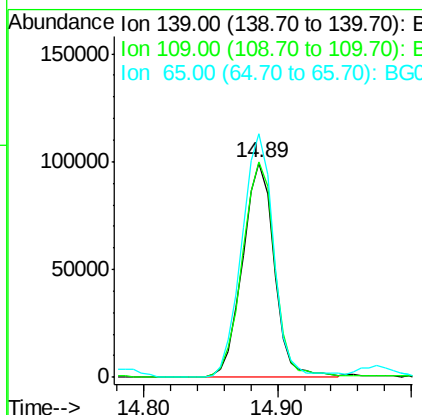
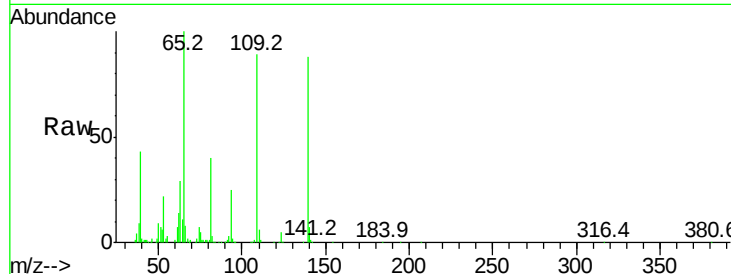
#55
4-Nitrophenol
Concen: 103.598 ng
RT: 14.89 min Scan# 1974
Delta R.T. 0.00 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	100.9	62.2	102.2
65	113.7	97.2	137.2

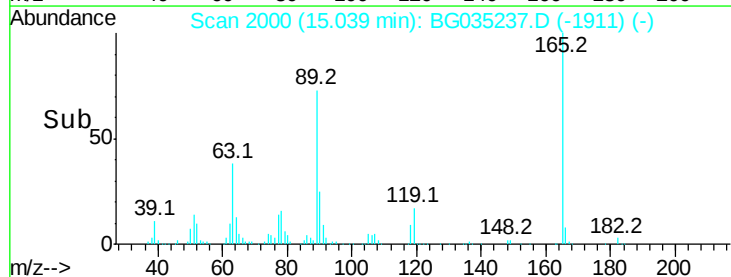
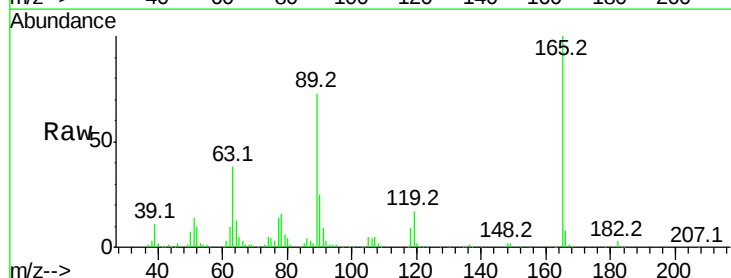
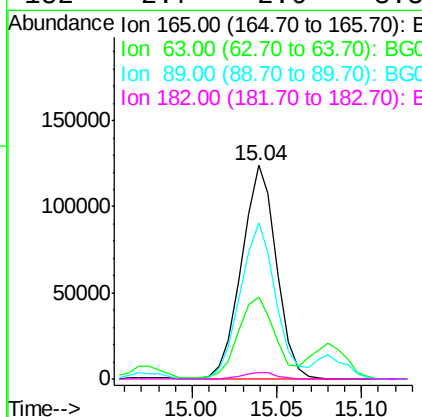
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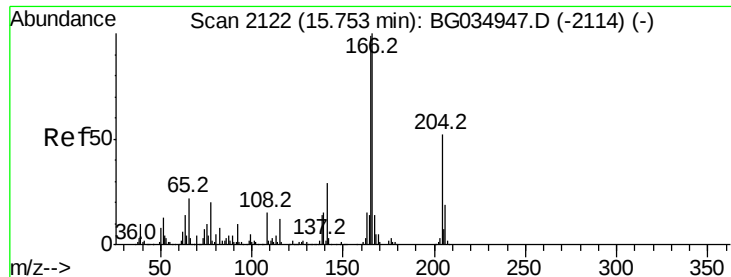
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#56
2,4-Dinitrotoluene
Concen: 70.568 ng
RT: 15.04 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.1	42.0	63.0#
89	73.0	66.9	100.3
182	2.7	2.6	3.8





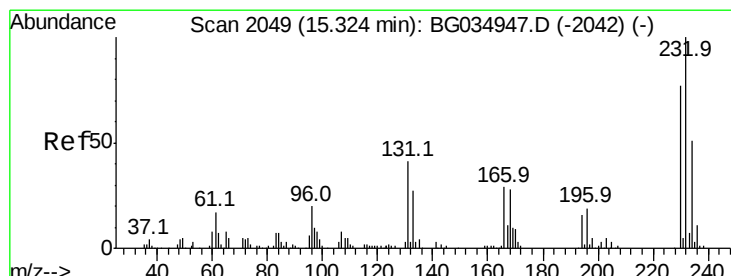
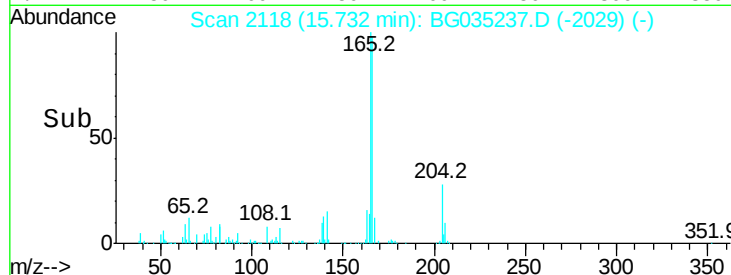
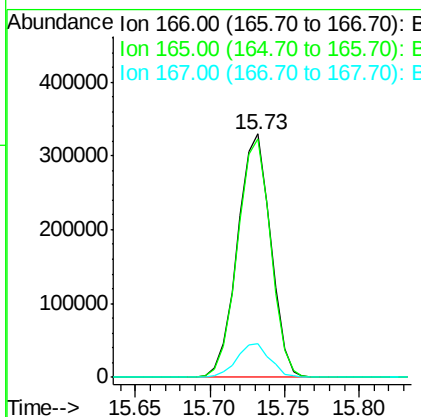
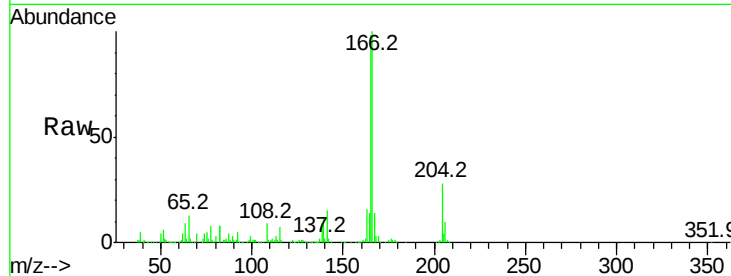
#57
 Fluorene
 Concen: 51.097 ng
 RT: 15.73 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.8	80.6	121.0	
167	13.7	10.4	15.6	

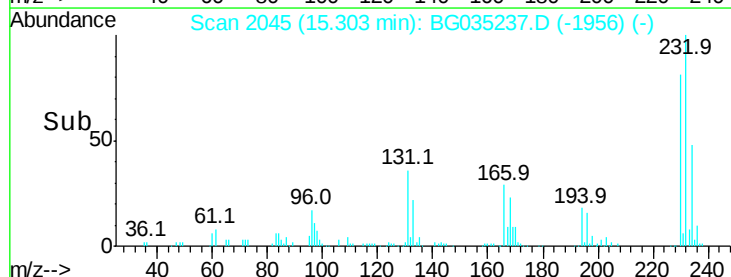
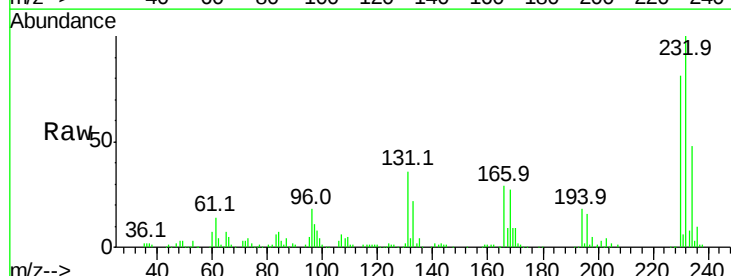
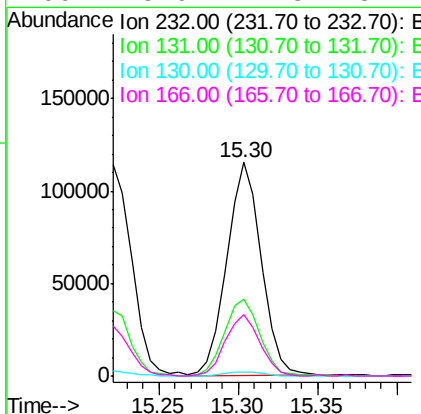
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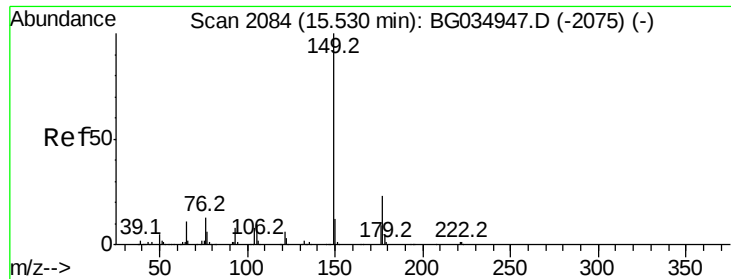
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 6/19/2018 6:01:16 PM



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 60.776 ng
 RT: 15.30 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	37.1	33.5	50.3	
130	2.2	2.2	3.2	
166	28.6	24.8	37.2	





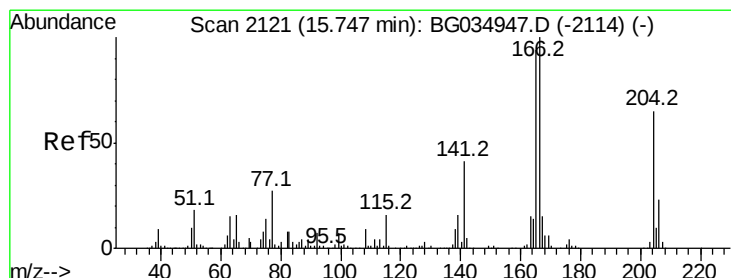
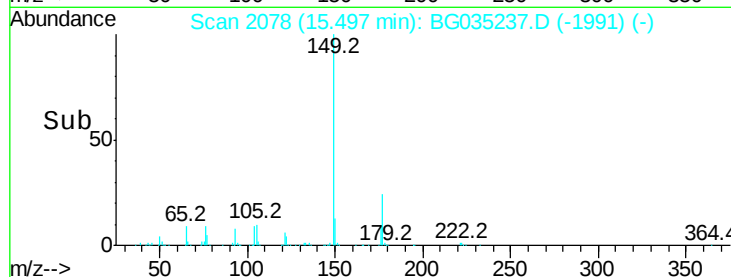
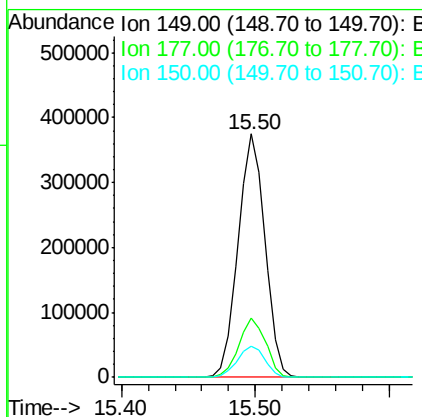
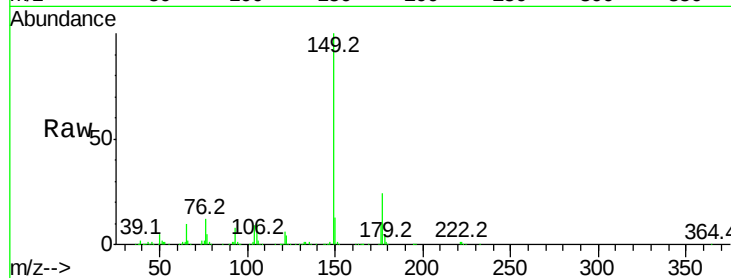
#59
Diethylphthalate
Concen: 49.147 ng
RT: 15.50 min Scan# 2078
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	24.1	18.5	27.7
150	13.0	10.2	15.2

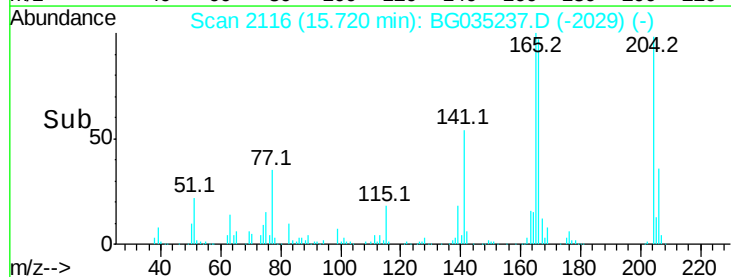
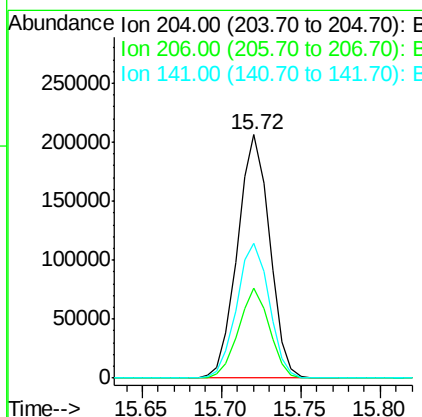
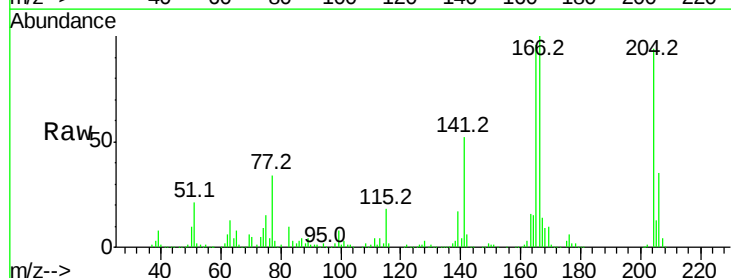
Manual Integrations
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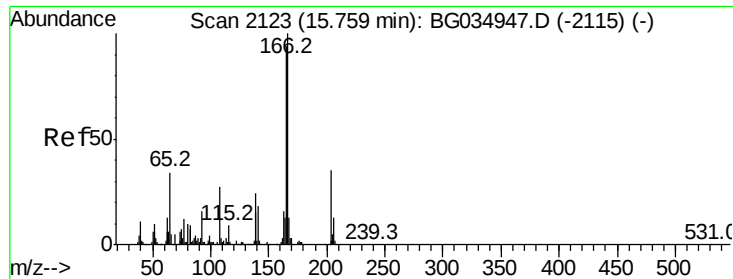
Sohil
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#60
4-Chlorophenyl-phenylether
Concen: 51.092 ng
RT: 15.72 min Scan# 2116
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
204	100		
206	36.7	26.2	39.2
141	55.3	45.8	68.6





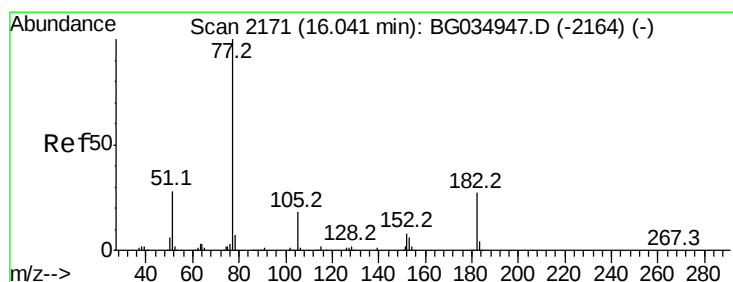
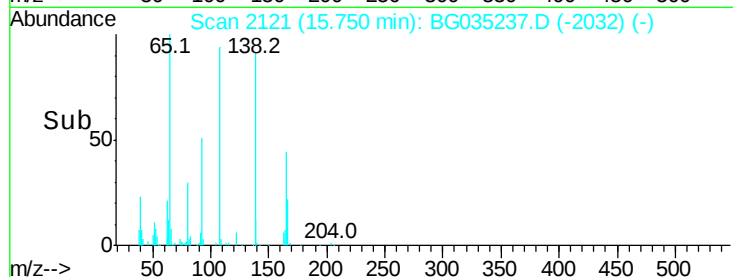
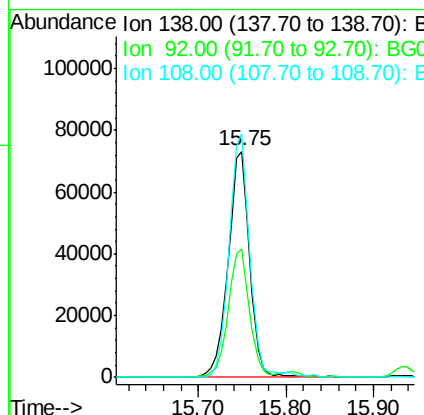
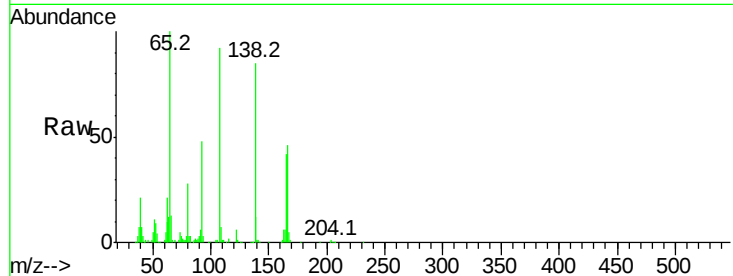
#61
4-Nitroaniline
Concen: 62.125 ng
RT: 15.75 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	56.6	40.1	80.1
108	107.6	65.4	105.4

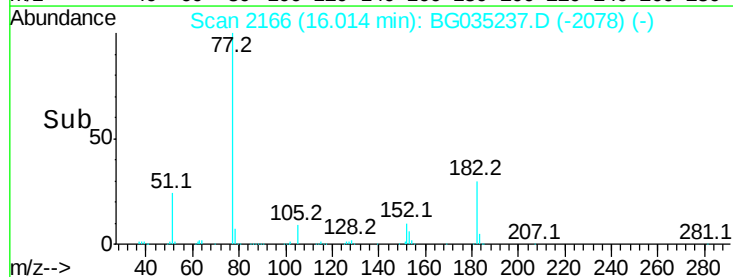
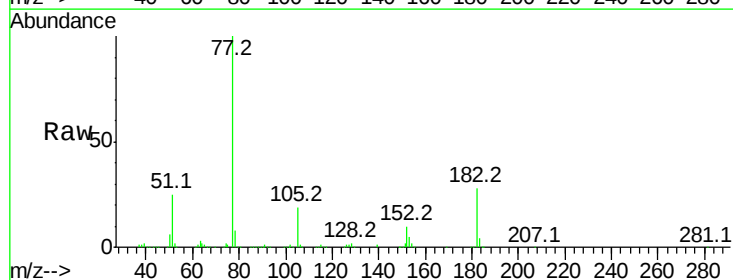
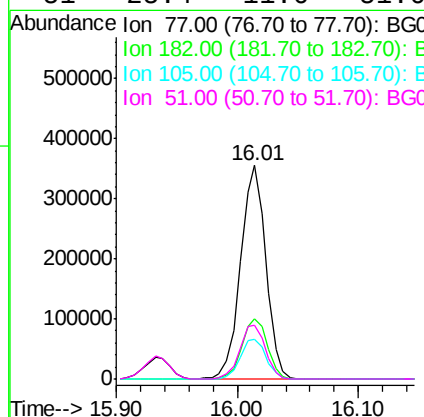
Manual Integrations
APPROVED

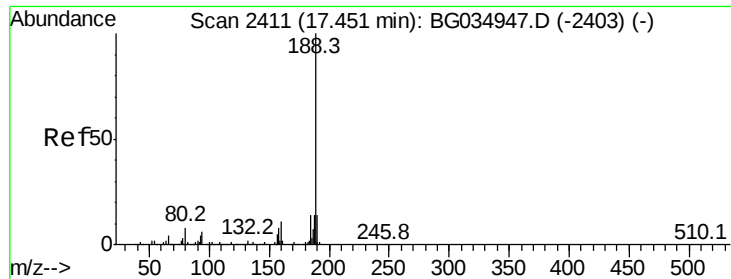
Sohil
6/19/2018 6:01:16 PM



#62
Azobenzene
Concen: 49.678 ng
RT: 16.01 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.5	7.4	47.4
105	18.8	0.3	40.3
51	25.4	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

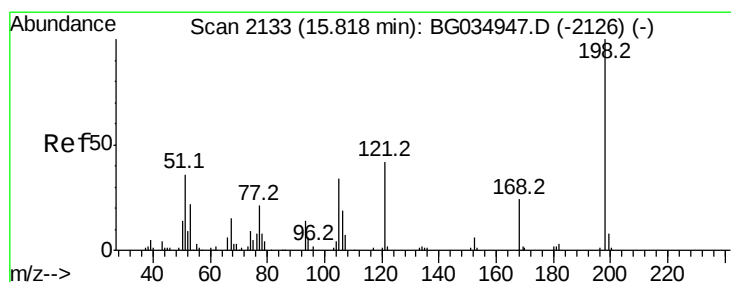
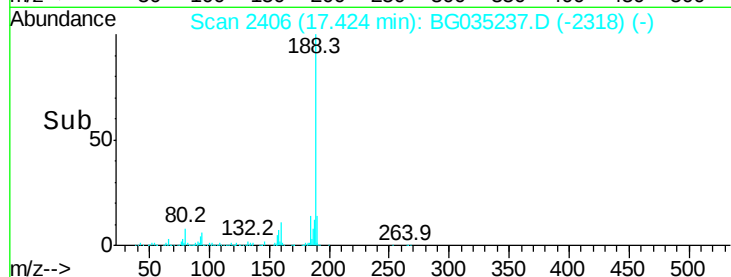
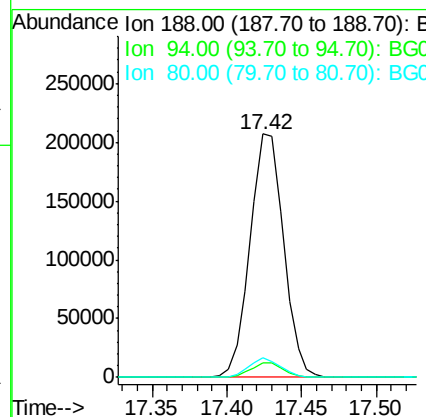
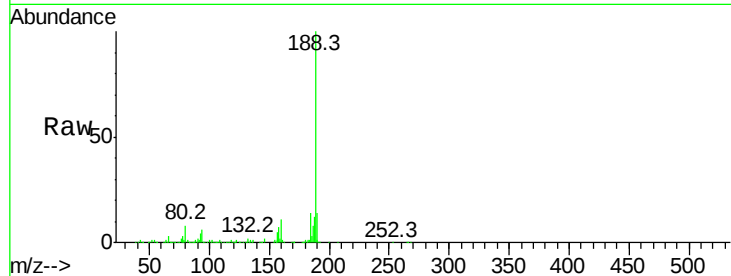
ClientSampleId :

BU-01-061518MSD

Tot Ion:	188	Resp:	321457
Ion Ratio	Lower	Upper	
188	100		
94	6.0	6.9	10.3#
80	8.2	7.7	11.5

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#64

4,6-Dinitro-2-methylphenol

Concen: 68.914 ng

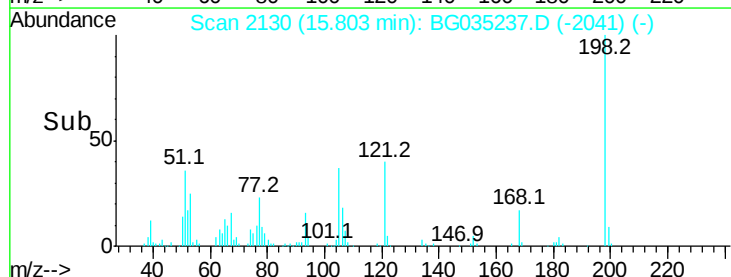
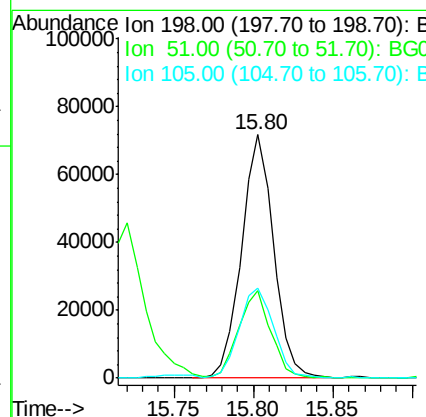
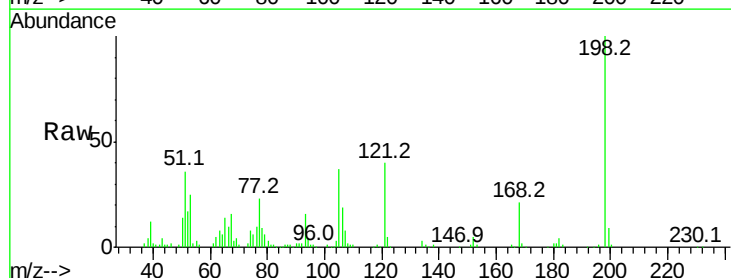
RT: 15.80 min Scan# 2130

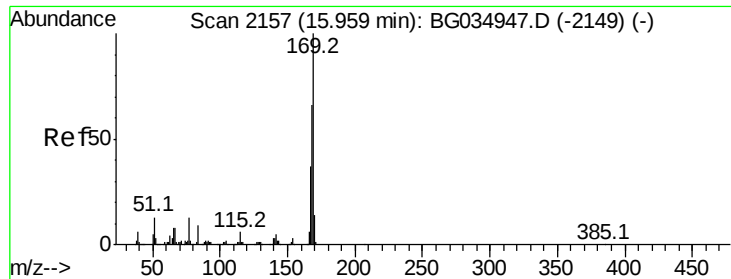
Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	198	Resp:	101144
Ion Ratio	Lower	Upper	
198	100		
51	35.7	30.6	70.6
105	37.1	23.8	63.8





#65

n-Nitrosodiphenylamine

Concen: 47.547 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:169 Resp: 459004

Ion Ratio Lower Upper

169 100

168 66.5 55.7 83.5

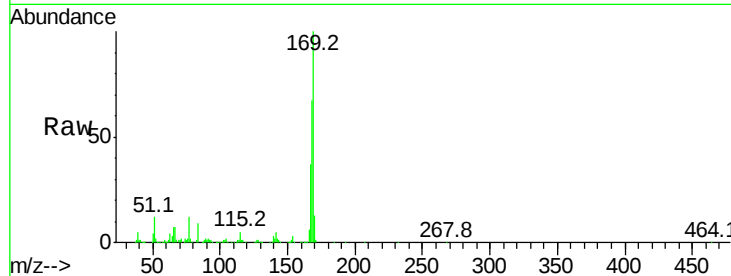
167 36.6 30.1 45.1

Manual Integrations

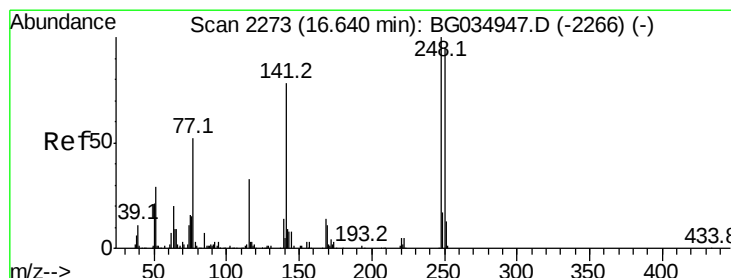
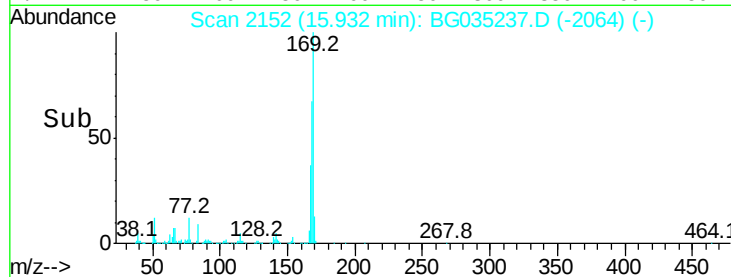
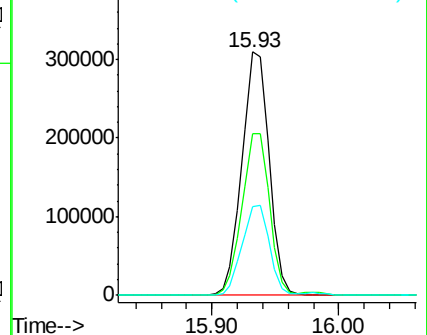
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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 52.273 ng

RT: 16.61 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

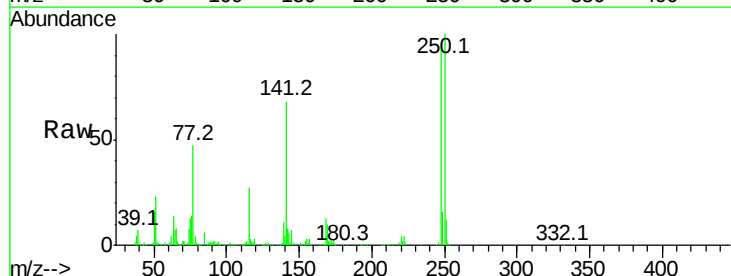
Tgt Ion:248 Resp: 202355

Ion Ratio Lower Upper

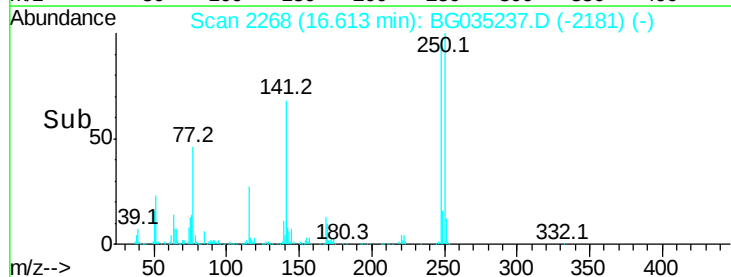
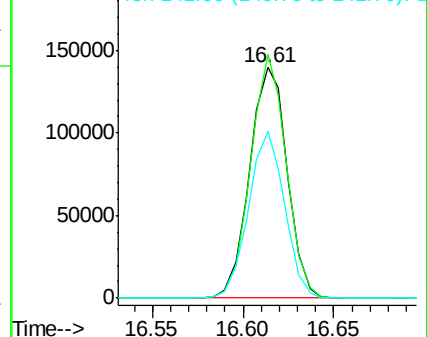
248 100

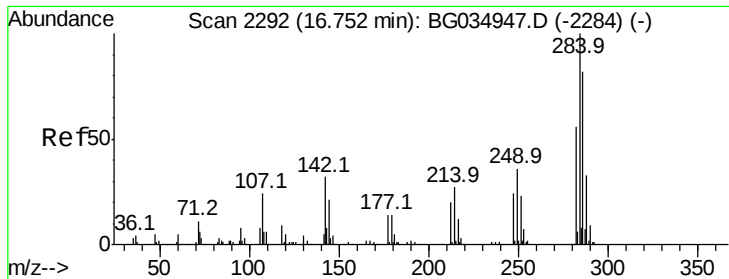
250 105.5 77.1 115.7

141 72.2 50.8 76.2



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





#67

Hexachlorobenzene

Concen: 52.304 ng

RT: 16.73 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

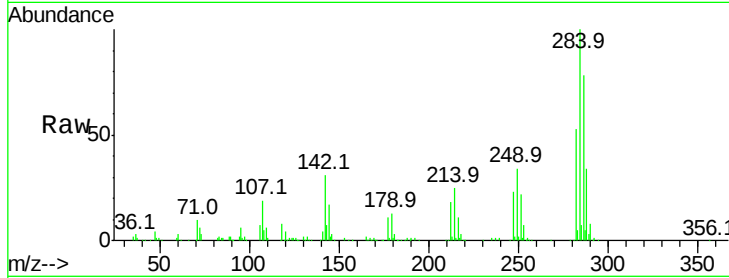
ClientSampleId :

BU-01-061518MSD

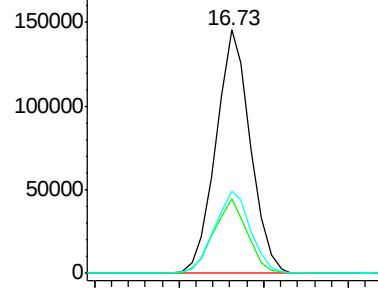
Tot Ion:	284	Resp:	206085
Ion Ratio	Lower	Upper	
284	100		
142	30.6	26.8	40.2
249	33.9	26.3	39.5

Manual Integrations
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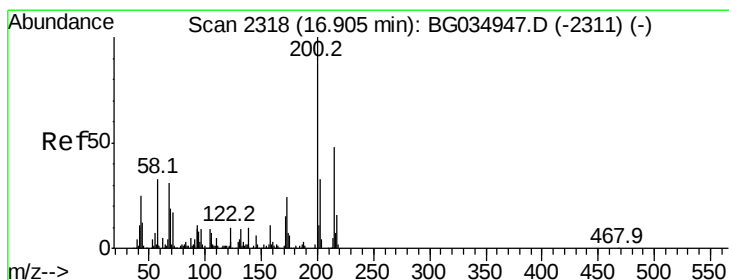
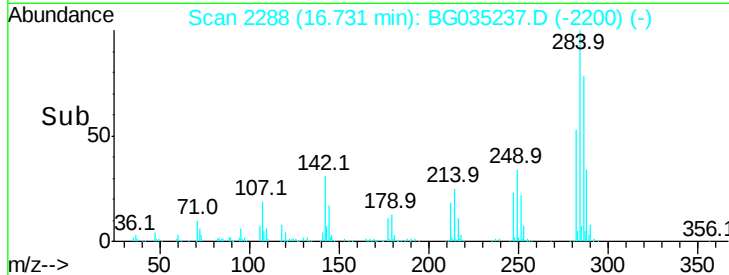
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



Time--> 16.65 16.70 16.75 16.80



#68

Atrazine

Concen: 51.998 ng

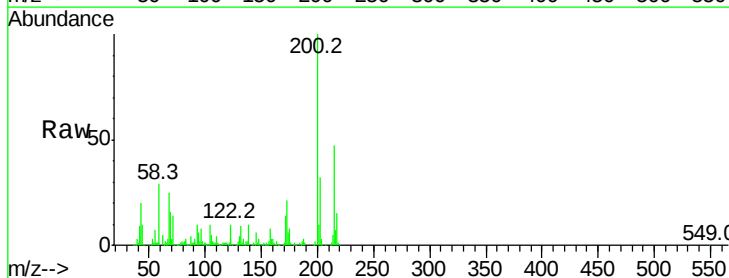
RT: 16.88 min Scan# 2313

Delta R.T. -0.02 min

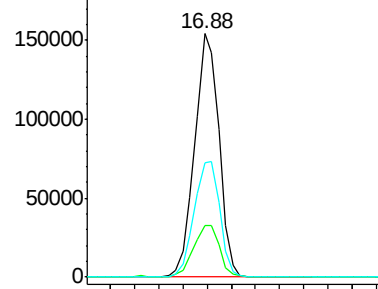
Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

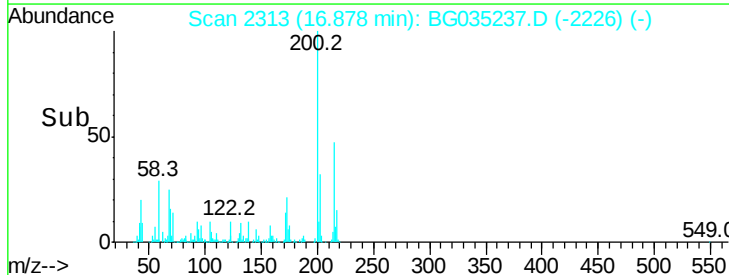
Tgt Ion:	200	Resp:	214064
Ion Ratio	Lower	Upper	
200	100		
173	21.1	5.2	45.2
215	46.9	30.4	70.4

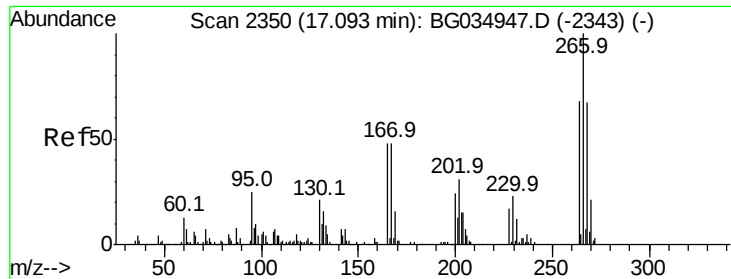


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



Time--> 16.80 16.90 17.00





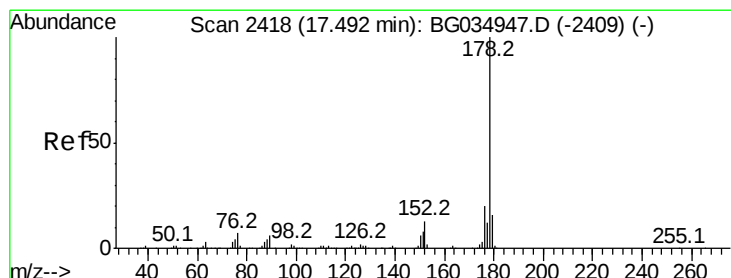
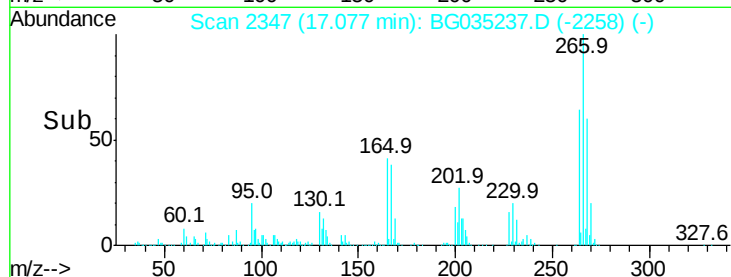
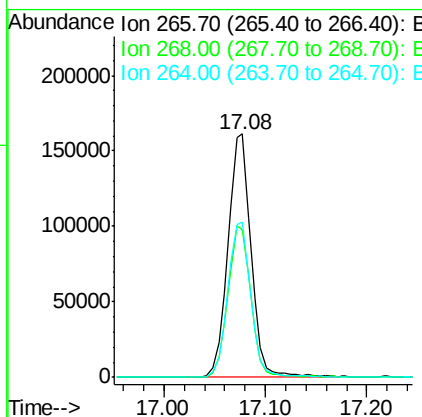
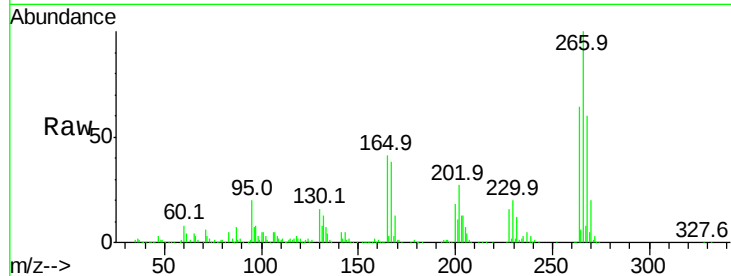
#69
 Pentachlorophenol
 Concen: 96.033 ng
 RT: 17.08 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	254438		
268	60.4		51.1	76.7
264	63.6		49.6	74.4

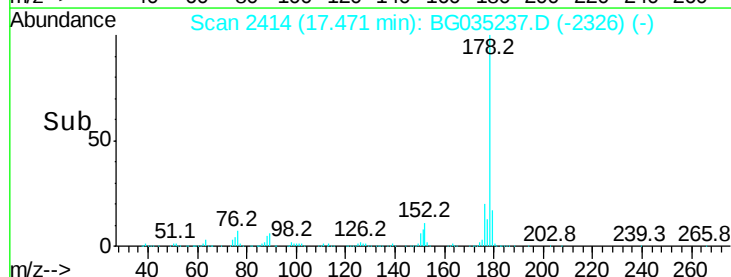
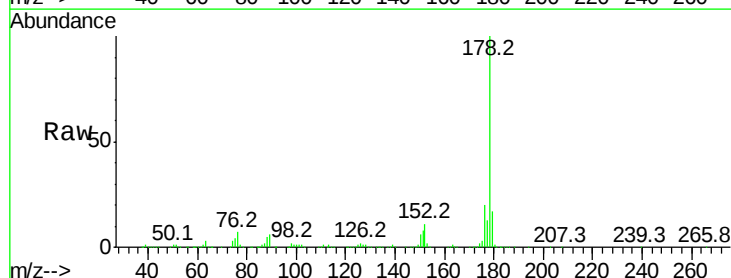
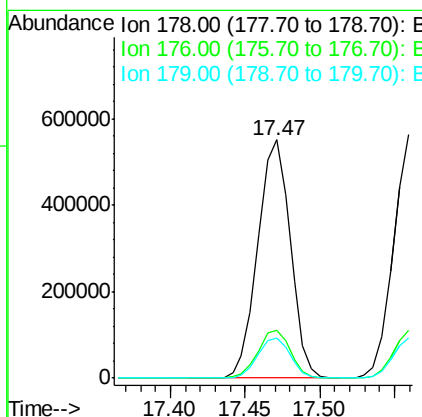
Manual Integrations
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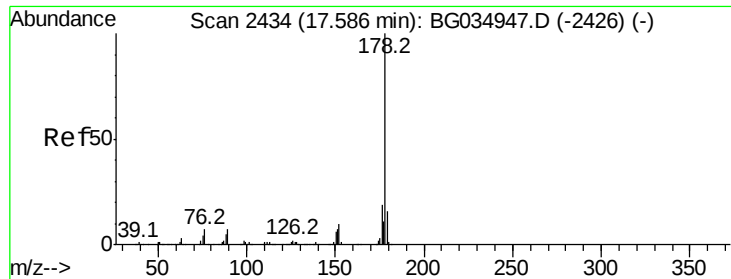
Sohil
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#70
 Phenanthrene
 Concen: 50.931 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	831667		
176	20.3		15.7	23.5
179	16.9		12.5	18.7





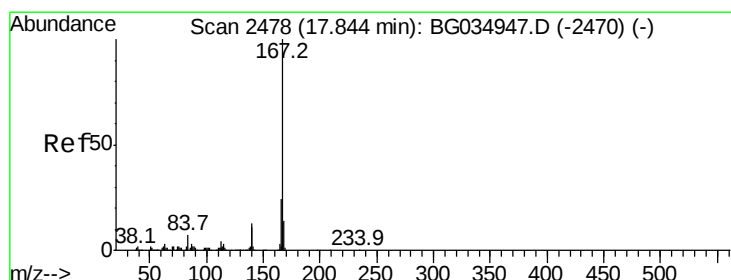
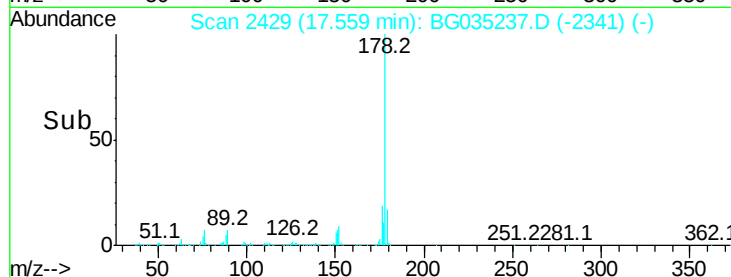
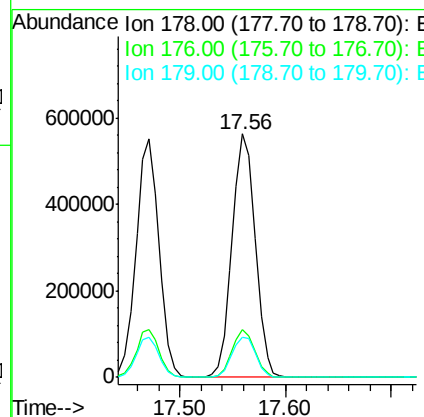
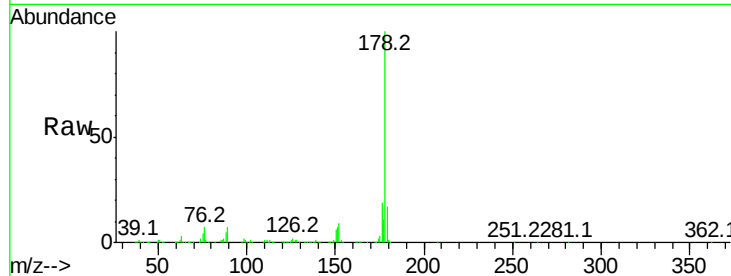
#71
 Anthracene
 Concen: 52.105 ng
 RT: 17.56 min Scan# 2429
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	16.7	12.5	18.7

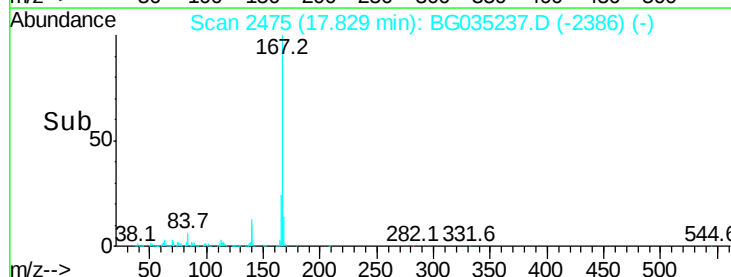
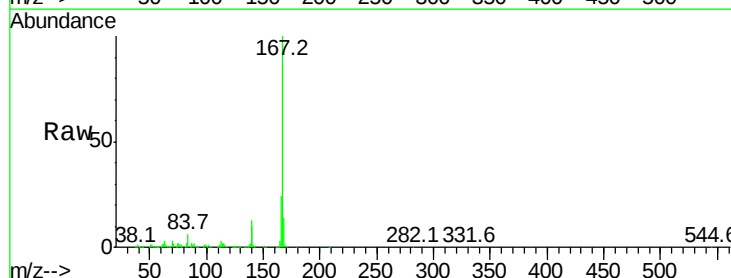
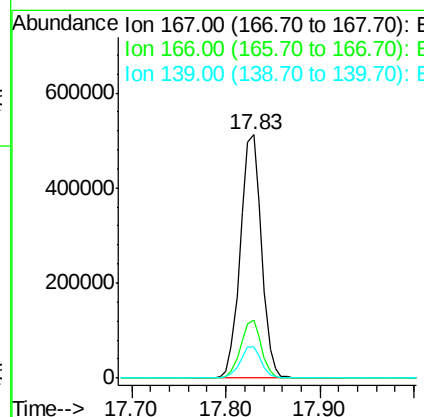
Manual Integrations
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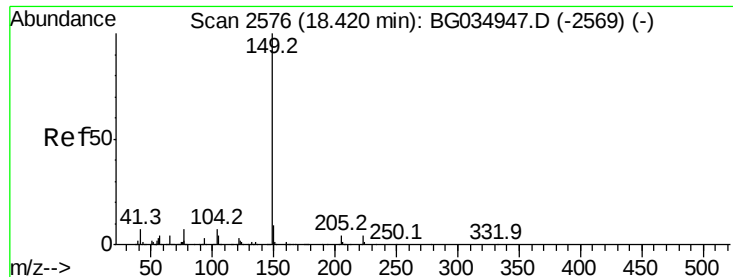
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#72
 Carbazole
 Concen: 52.496 ng
 RT: 17.83 min Scan# 2475
 Delta R.T. -0.01 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.7	18.2	27.4
139	12.6	9.4	14.2





#73

Di-n-butylphthalate

Concen: 49.576 ng

RT: 18.38 min Scan# 2569

Delta R.T. -0.03 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

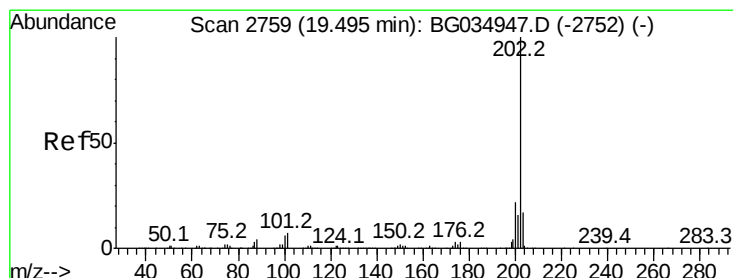
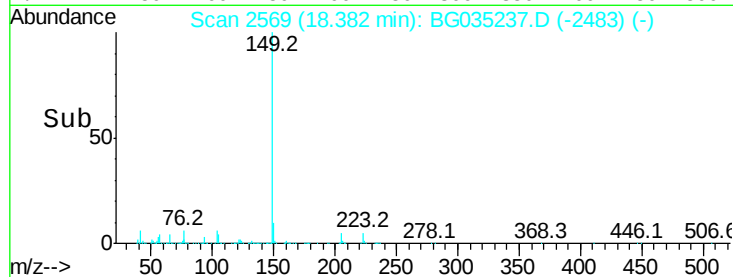
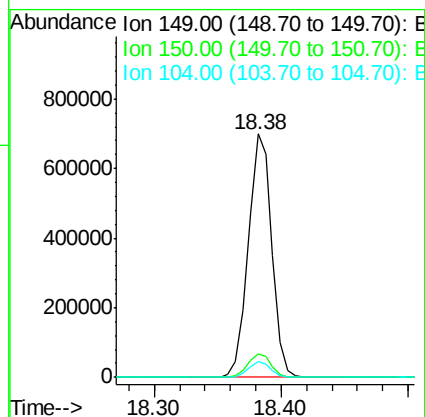
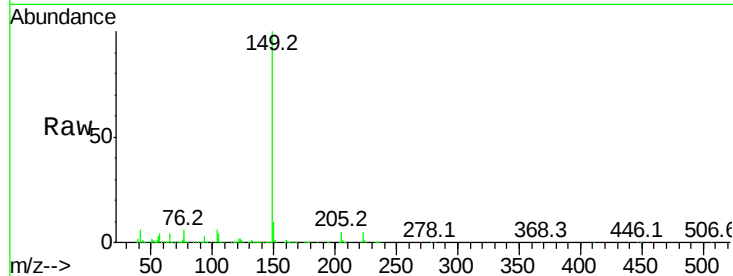
ClientSampleId :

BU-01-061518MSD

Tot Ion:	149	Resp:	896780
Ion Ratio	Lower	Upper	
149	100		
150	9.8	7.8	11.6
104	6.5	3.9	5.9#

Manual Integrations
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#74

Fluoranthene

Concen: 52.867 ng

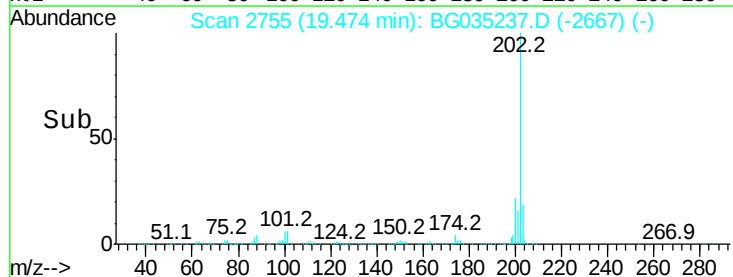
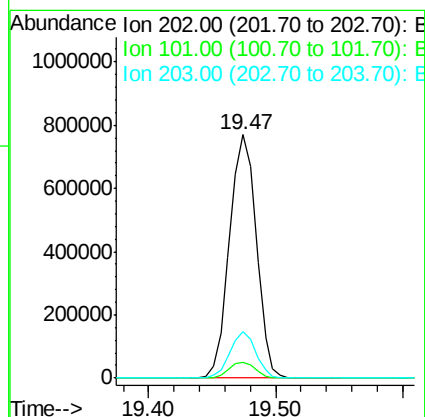
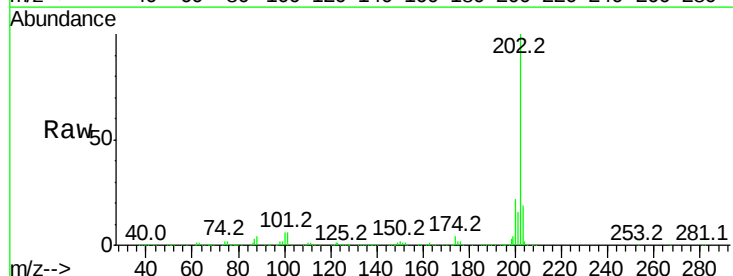
RT: 19.47 min Scan# 2755

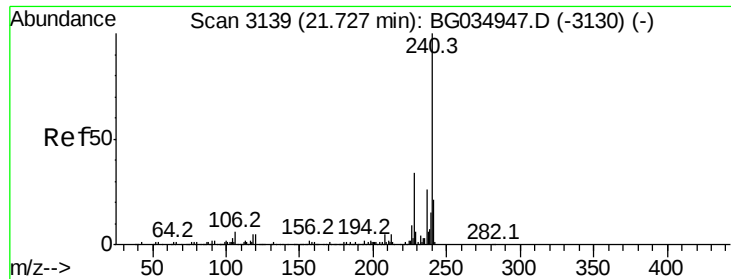
Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion:	202	Resp:	1123355
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	28.9
203	19.2	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.69 min Scan# 3133

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:240 Resp: 370079

Ion Ratio Lower Upper

240 100

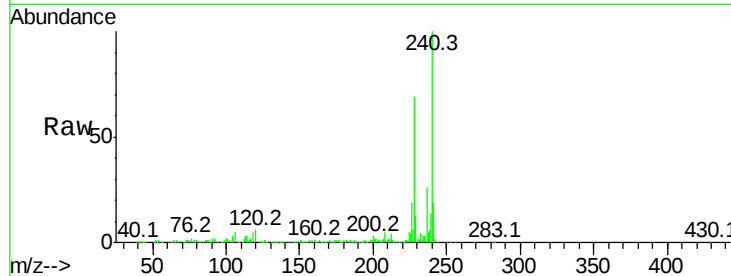
120 5.5 6.8 10.2#

236 26.2 20.9 31.3

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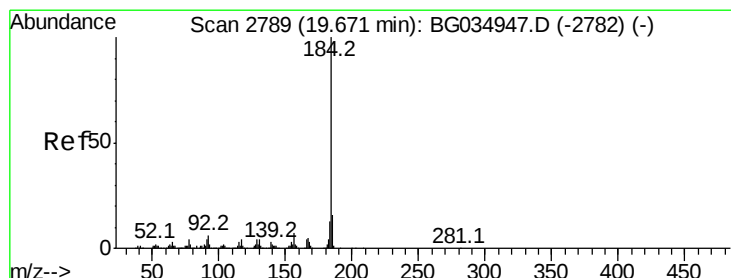
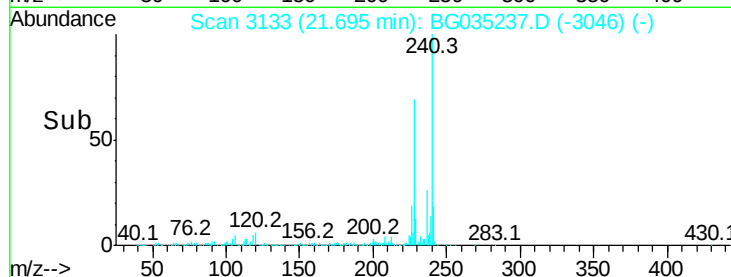
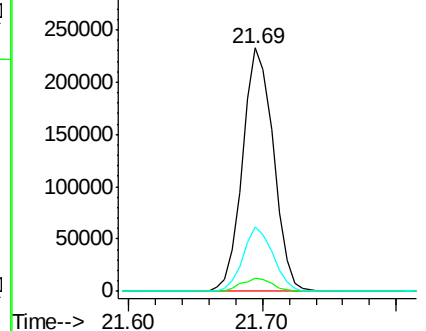
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 11.877 ng

RT: 19.65 min Scan# 2785

Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

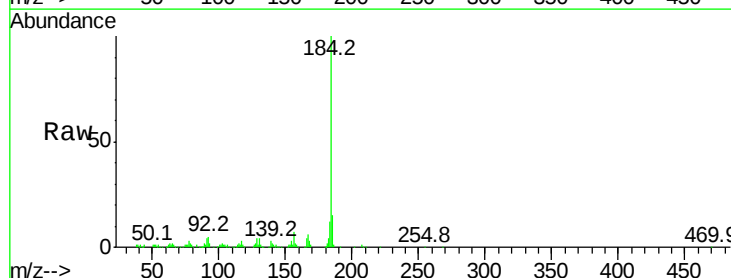
Tgt Ion:184 Resp: 163525

Ion Ratio Lower Upper

184 100

185 14.7 11.1 16.7

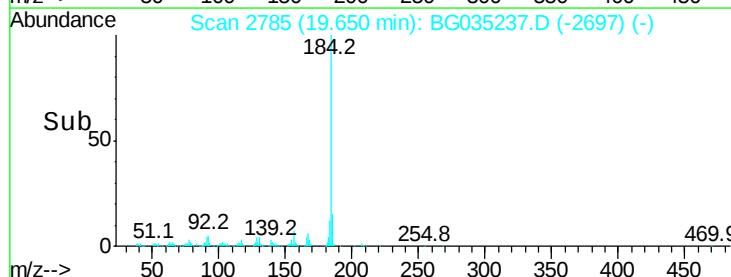
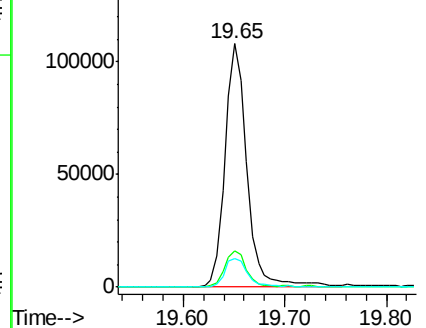
183 11.9 10.6 16.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 46.081 ng

RT: 19.84 min Scan# 2817

Delta R.T. -0.01 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

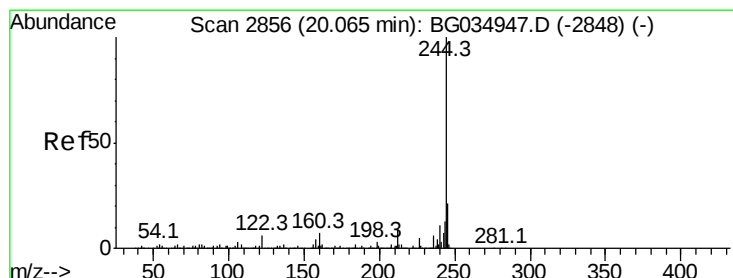
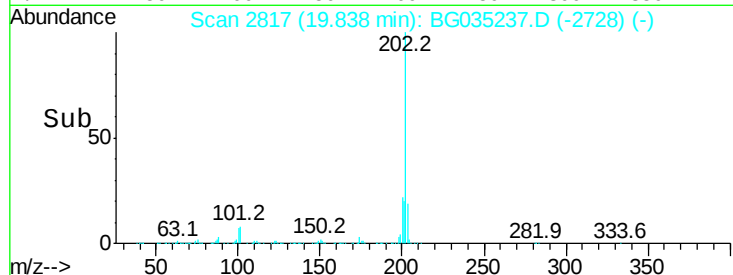
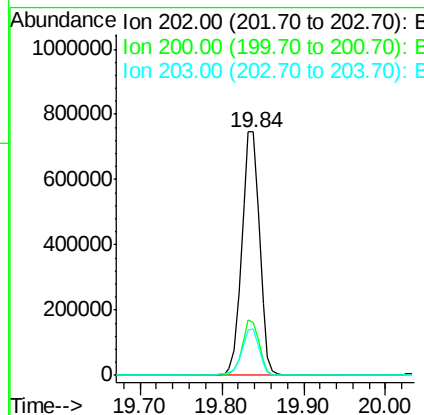
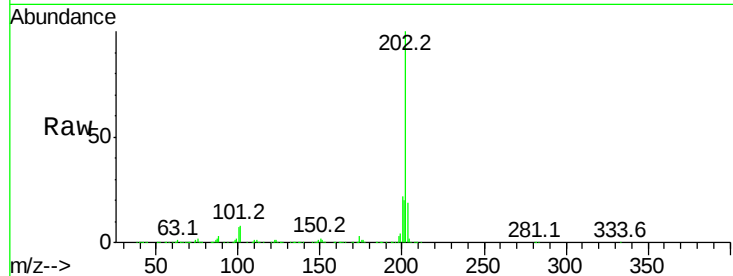
ClientSampleId :

BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	19.1	13.9	20.9

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#78

Terphenyl-d14

Concen: 96.115 ng

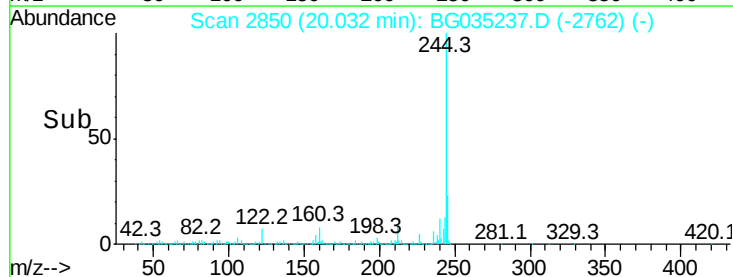
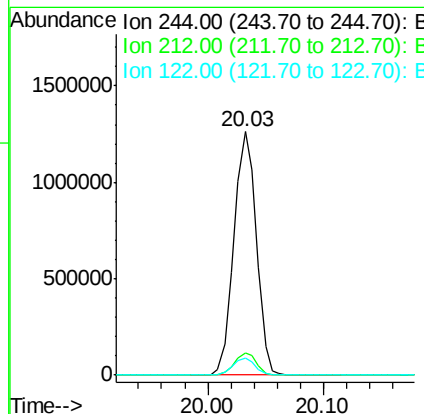
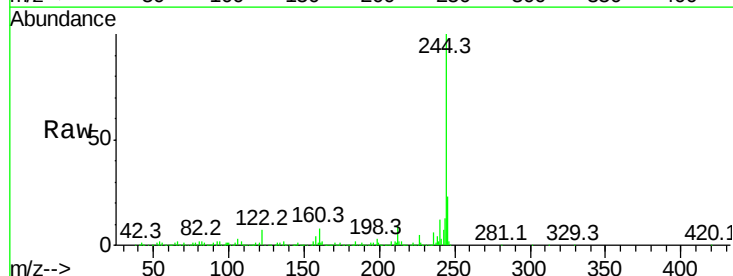
RT: 20.03 min Scan# 2850

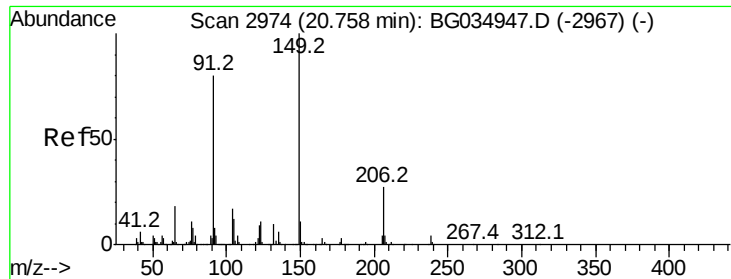
Delta R.T. -0.02 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	5.8	8.8#
122	6.7	7.0	10.4#





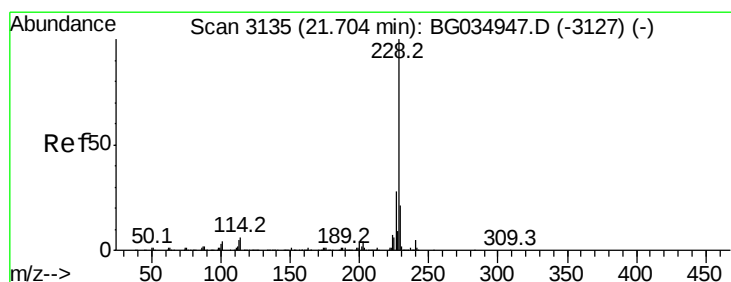
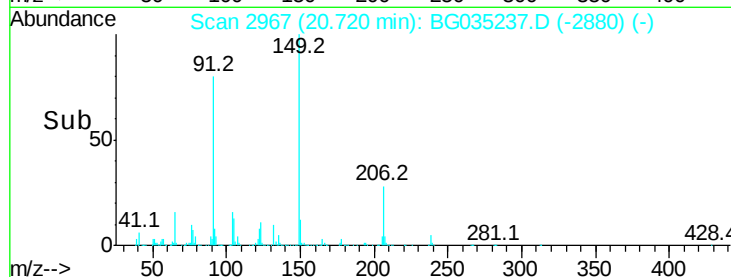
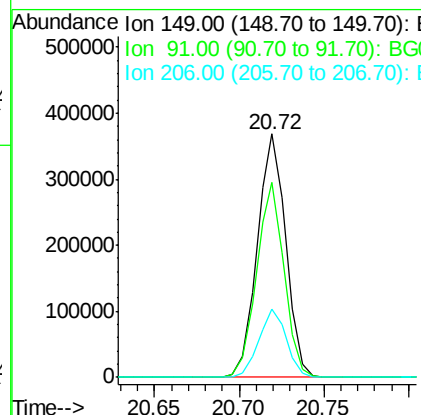
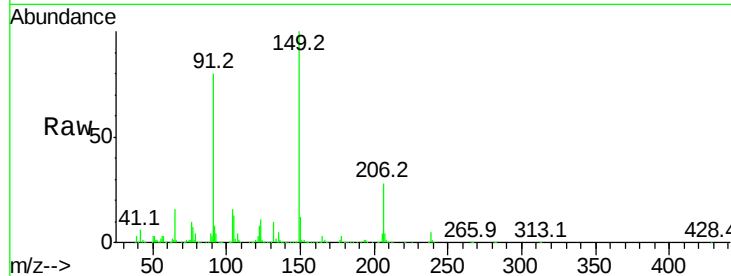
#79
Butylbenzylphthalate
Concen: 48.621 ng
RT: 20.72 min Scan# 2967
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Instrument :
BNA_G
ClientSampleId :
BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	79.9	62.2	93.2
206	28.2	18.6	27.8

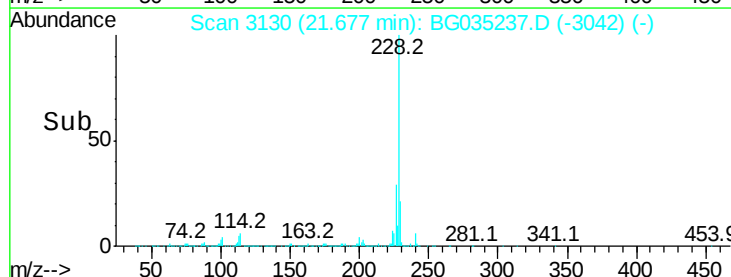
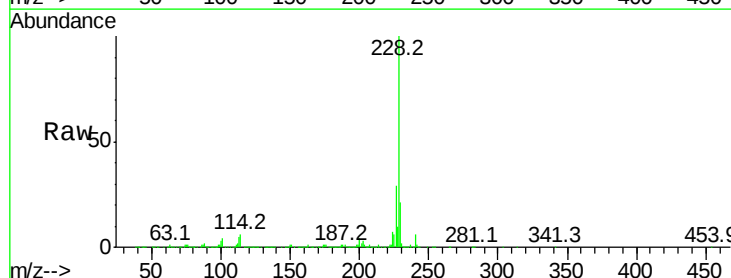
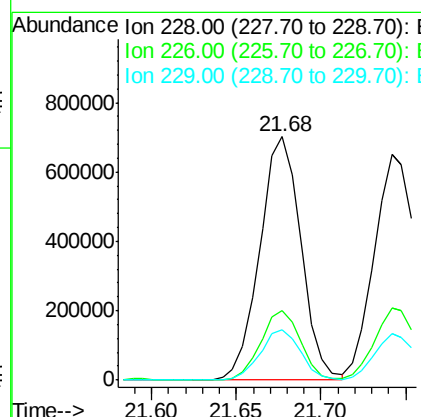
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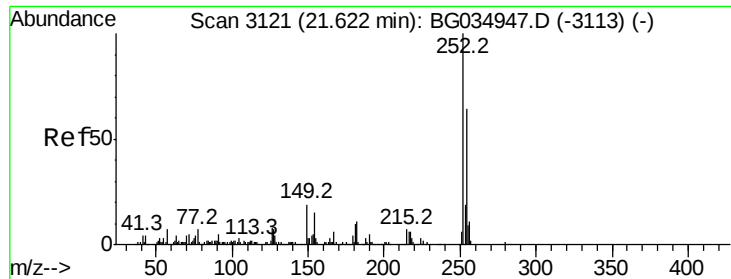
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#80
Benzo(a)anthracene
Concen: 50.231 ng
RT: 21.68 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BG035237.D
Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	20.6	16.2	24.2





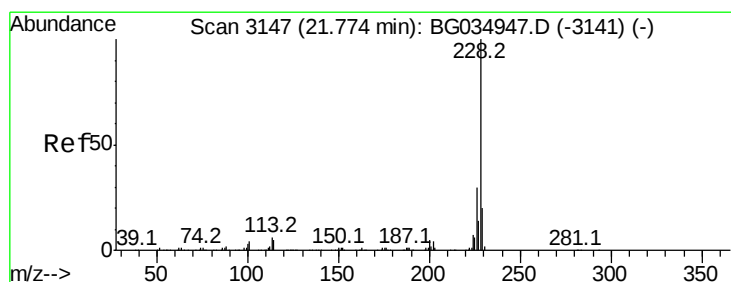
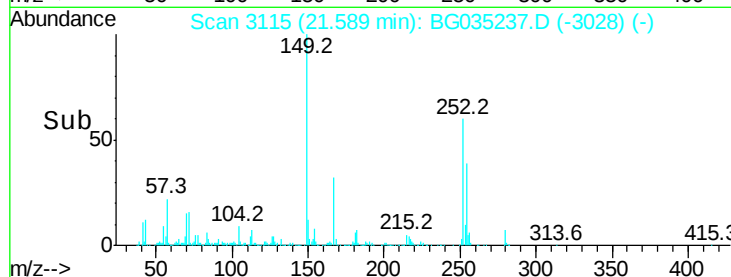
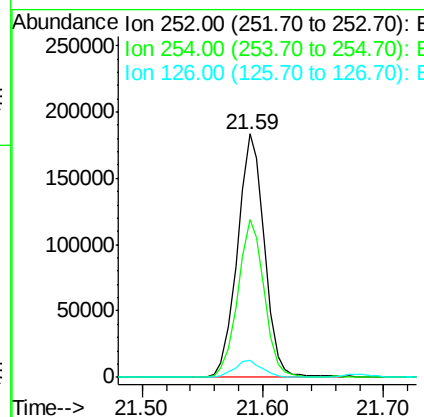
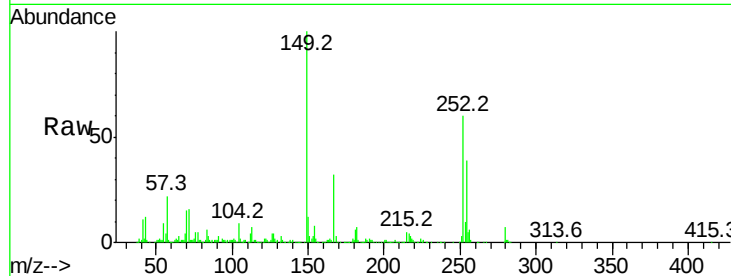
#81
 3,3'-Dichlorobenzidine
 Concen: 32.130 ng
 RT: 21.59 min Scan# 3115
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.8	76.2
126	7.0	7.4	11.2#

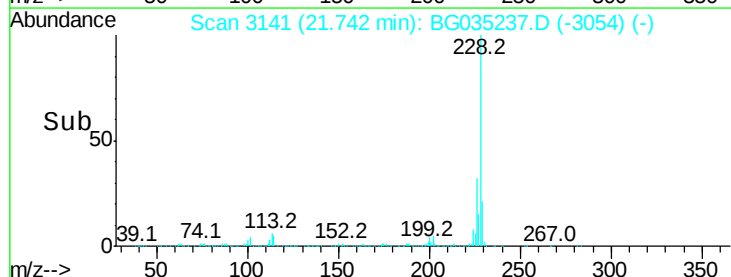
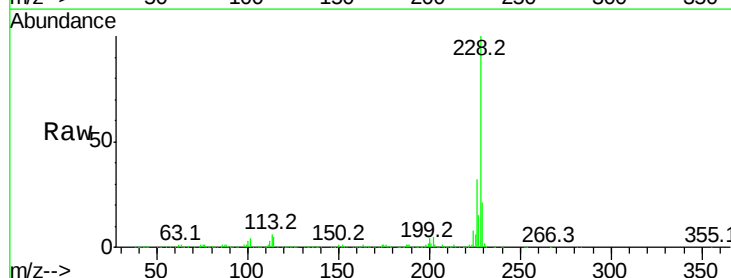
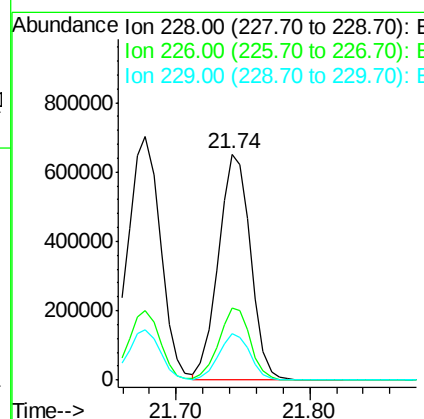
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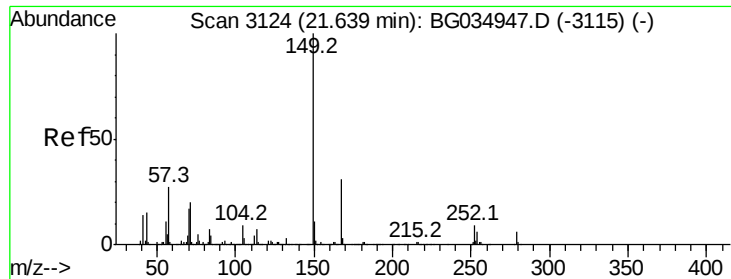
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#82
 Chrysene
 Concen: 50.874 ng
 RT: 21.74 min Scan# 3141
 Delta R.T. -0.02 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	20.8	15.0	22.4





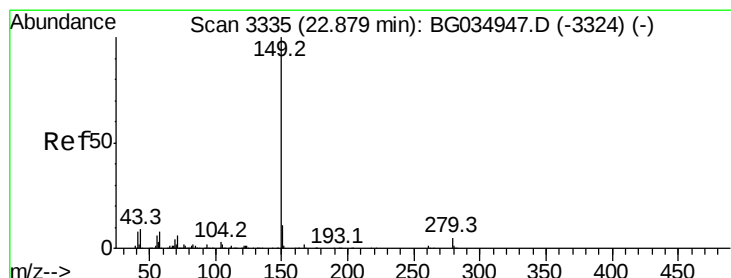
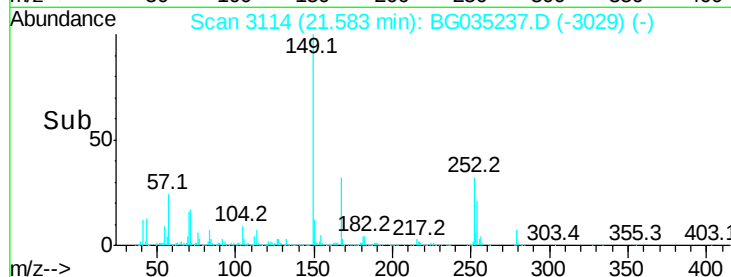
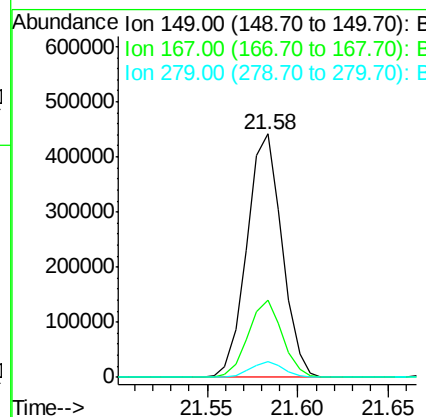
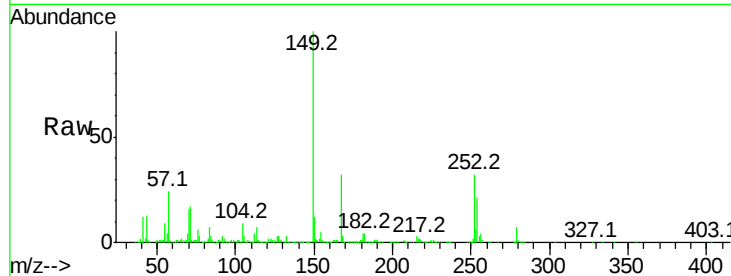
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 47.363 ng
 RT: 21.58 min Scan# 3114
 Delta R.T. -0.03 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	31.7	24.3	36.5
279	6.6	4.0	6.0#

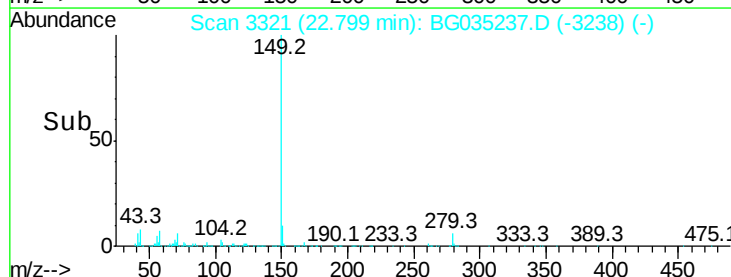
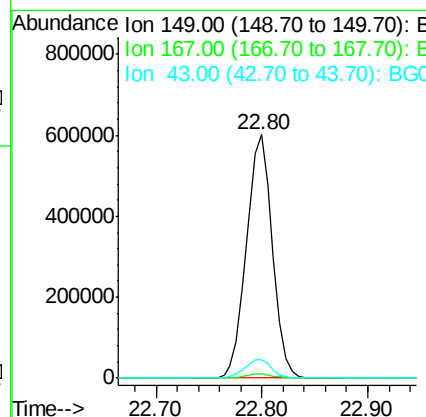
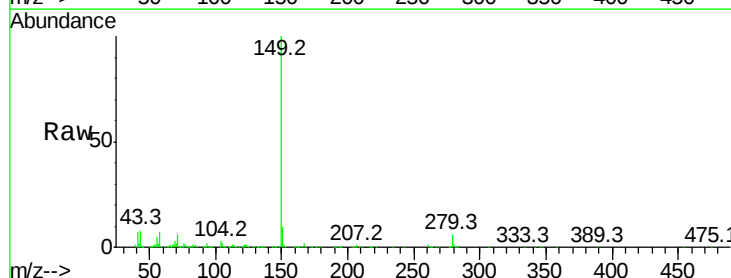
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#84
 Di-n-octyl phthalate
 Concen: 47.410 ng
 RT: 22.80 min Scan# 3321
 Delta R.T. -0.05 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	1.8	1.4	2.0
43	7.7	8.9	13.3#





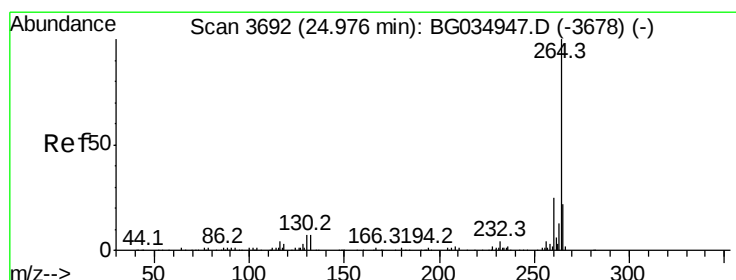
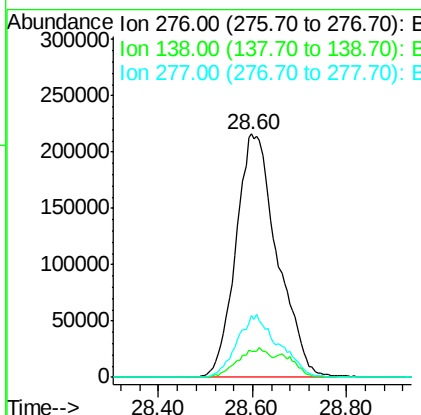
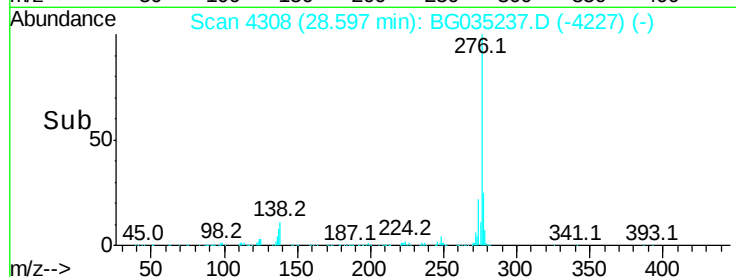
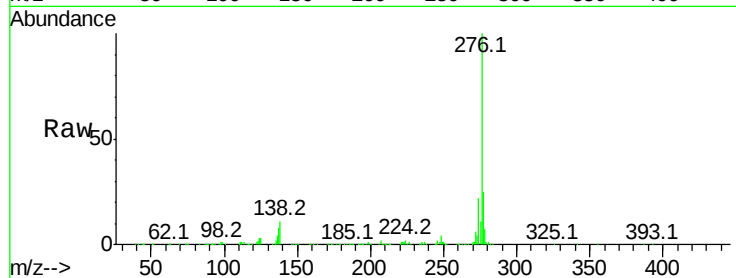
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.097 ng
 RT: 28.60 min Scan# 4308
 Delta R.T. -0.06 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.3	16.0	24.0#
277	25.8	20.0	30.0

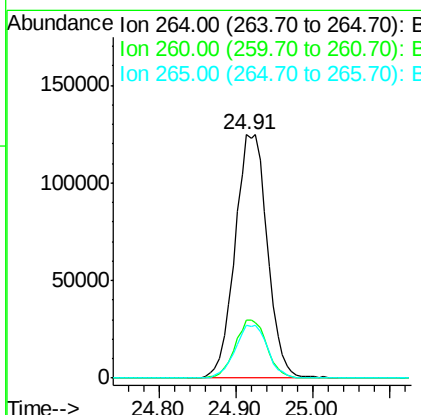
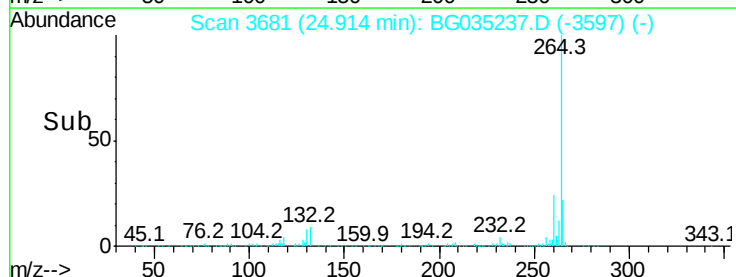
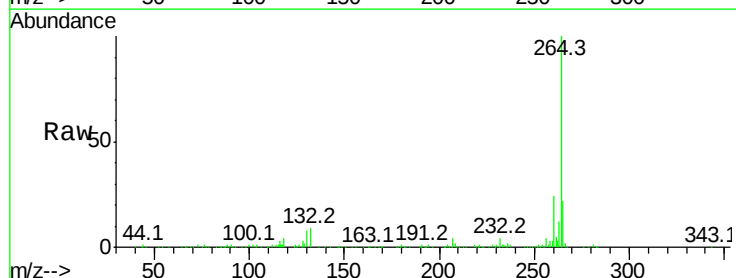
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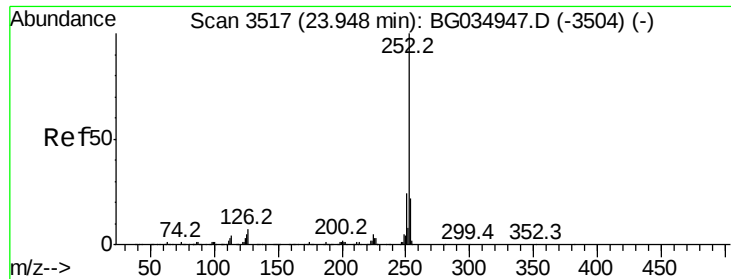
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.91 min Scan# 3681
 Delta R.T. -0.04 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	21.6	17.7	26.5





#87

Benzo(b)fluoranthene

Concen: 51.671 ng

RT: 23.90 min Scan# 3508

Delta R.T. -0.03 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:252 Resp: 1164695

Ion Ratio Lower Upper

252 100

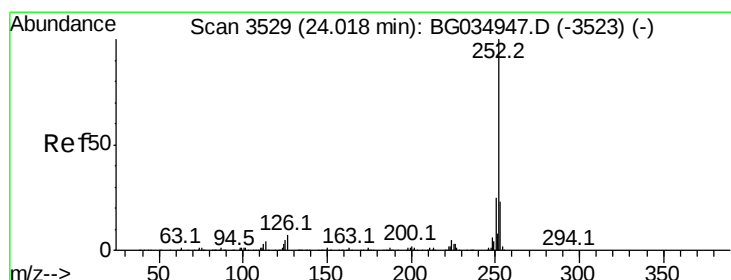
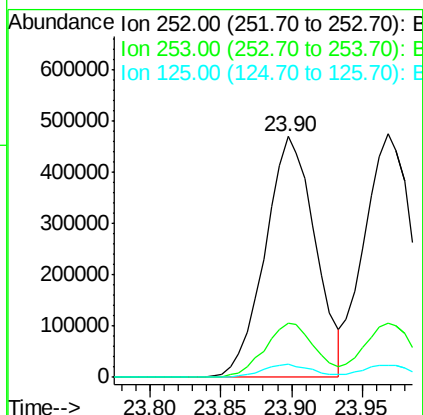
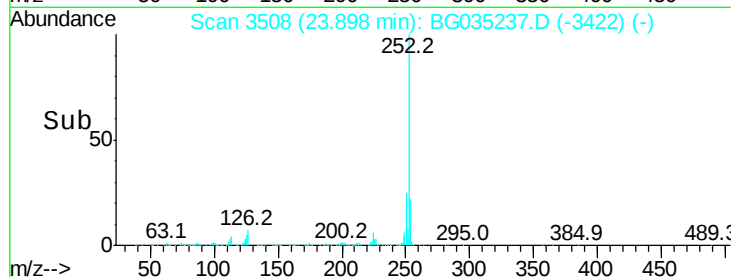
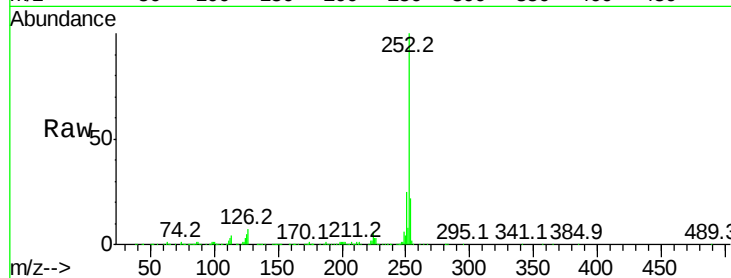
253 22.5 18.2 27.4

125 5.4 7.2 10.8#

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#88

Benzo(k)fluoranthene

Concen: 50.539 ng

RT: 23.97 min Scan# 3520

Delta R.T. -0.03 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

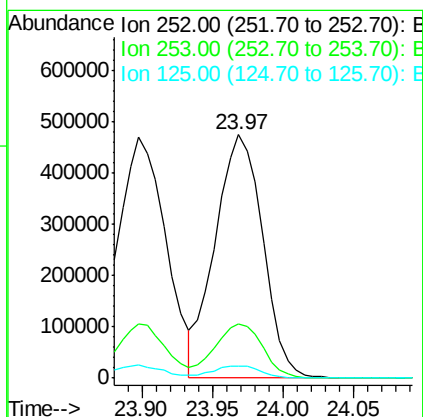
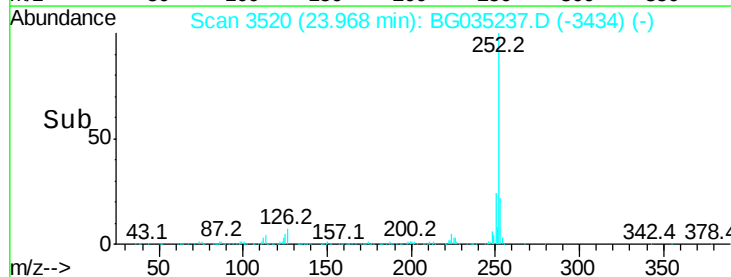
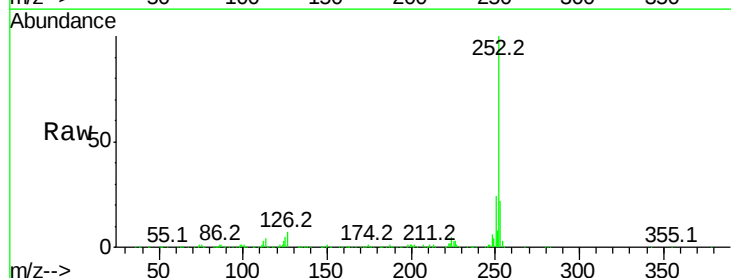
Tgt Ion:252 Resp: 1114353

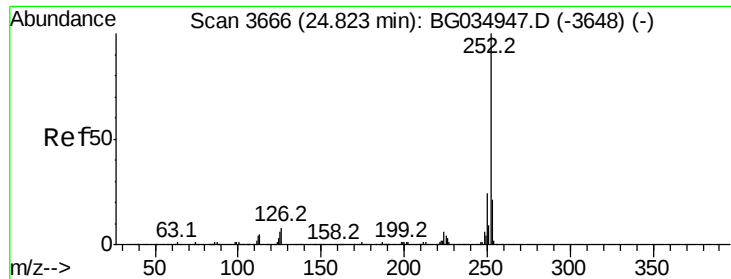
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 5.0 6.6 9.8#





#89

Benzo(a)pyrene

Concen: 52.417 ng

RT: 24.77 min Scan# 3657

Delta R.T. -0.03 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

Instrument :

BNA_G

ClientSampleId :

BU-01-061518MSD

Tot Ion:252 Resp: 1111771

Ion Ratio Lower Upper

252 100

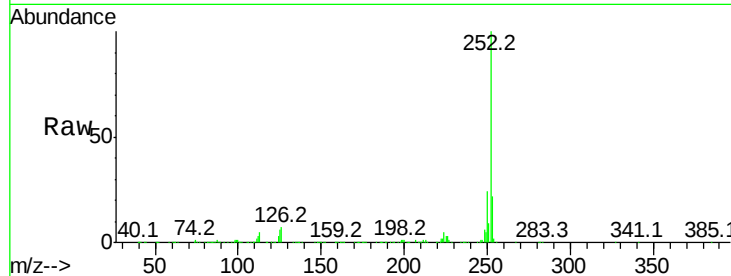
253 22.0 18.3 27.5

125 6.3 7.3 10.9#

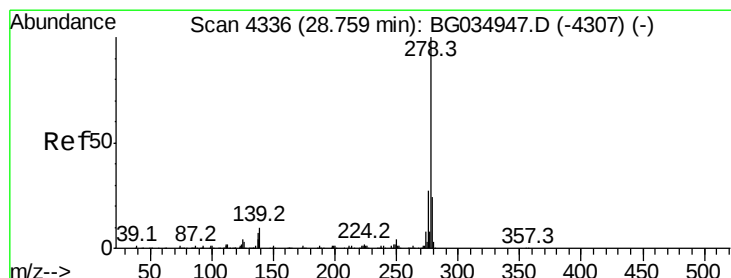
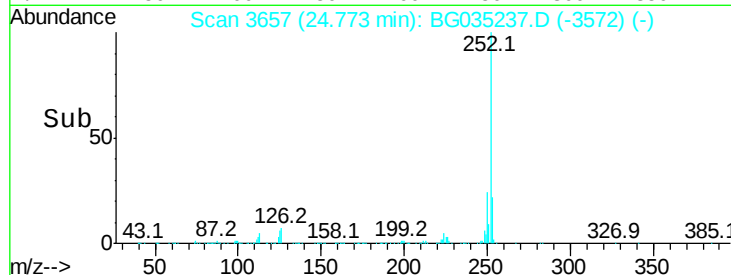
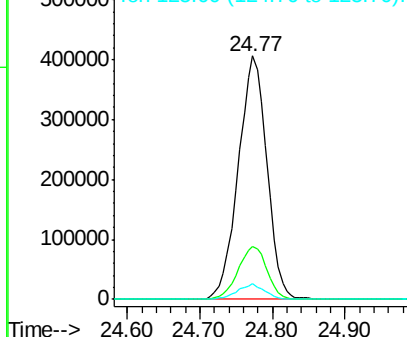
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 51.321 ng

RT: 28.67 min Scan# 4320

Delta R.T. -0.06 min

Lab File: BG035237.D

Acq: 19 Jun 2018 4:16

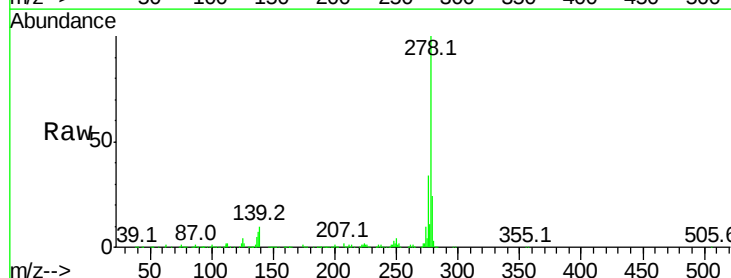
Tgt Ion:278 Resp: 1074550

Ion Ratio Lower Upper

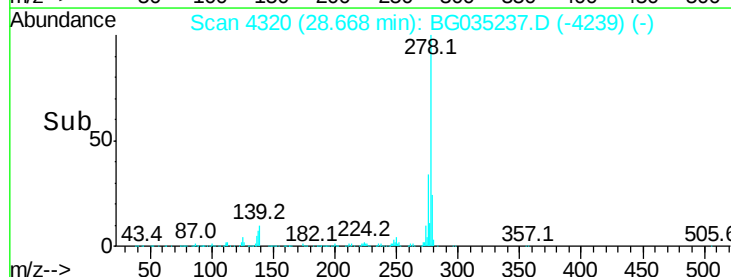
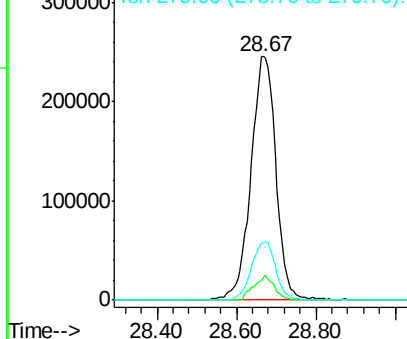
278 100

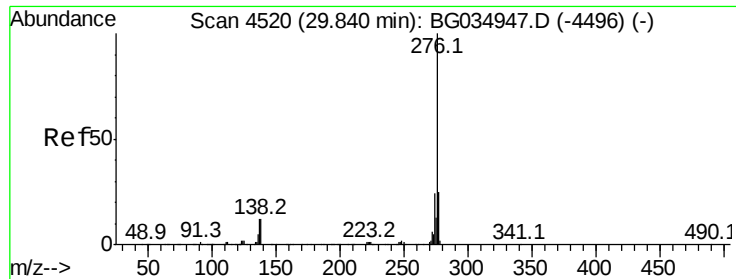
139 9.6 9.8 14.6#

279 23.7 18.4 27.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 53.157 ng
 RT: 29.75 min Scan# 4504
 Delta R.T. -0.06 min
 Lab File: BG035237.D
 Acq: 19 Jun 2018 4:16

Instrument :
 BNA_G
 ClientSampleId :
 BU-01-061518MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.3	27.5
138	10.8	13.9	20.9

Manual Integrations
 APPROVED

Sohil
 6/19/2018 6:01:16 PM

