

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033411.D
 Acq On : 29 Mar 2018 8:13
 Operator : SJ/JU
 Sample : J1749-06MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:39:20 PM

Quant Time: Mar 29 11:53:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	43001	20.00	ng	-0.02
21) Naphthalene-d8	11.75	136	173626	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	130923	20.00	ng	0.00
63) Phenanthrene-d10	18.22	188	330634	20.00	ng	0.00
75) Chrysene-d12	22.56	240	338013	20.00	ng	0.00
86) Perylene-d12	26.34	264	370923	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.30	112	359893	156.94	ng	0.00
7) Phenol-d6	7.99	99	525707	133.42	ng	0.00
23) Nitrobenzene-d5	10.07	82	377274	99.83	ng	0.00
41) 2,4,6-Tribromophenol	16.97	330	298963	152.68	ng	0.00
44) 2-Fluorobiphenyl	14.12	172	912533	100.62	ng	0.00
78) Terphenyl-d14	20.74	244	1624441	102.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.94	88	41576	35.700	ng	# 88
3) Pyridine	4.40	79	112049	34.805	ng	95
4) n-Nitrosodimethylamine	4.30	42	68511	51.857	ng	# 76
6) Aniline	8.16	93	47174	10.181	ng	# 96
8) 2-Chlorophenol	8.42	128	136739	52.157	ng	96
9) Benzaldehyde	7.96	77	77660m	31.014	ng	
10) Phenol	8.02	94	173089	44.493	ng	92
11) bis(2-Chloroethyl)ether	8.25	93	134423	42.333	ng	99
12) 1,3-Dichlorobenzene	8.75	146	144964	42.294	ng	98
13) 1,4-Dichlorobenzene	8.90	146	146530	42.687	ng	92
14) 1,2-Dichlorobenzene	9.23	146	141999	42.385	ng	92
15) Benzyl Alcohol	9.10	79	150435	48.492	ng	91
16) 2,2'-oxybis(1-Chloropropan	9.39	45	219896	42.480	ng	89
17) 2-Methylphenol	9.31	107	131698	49.694	ng	# 93
18) Hexachloroethane	9.99	117	59187	44.675	ng	96
19) n-Nitroso-di-n-propylamine	9.67	70	125792	43.568	ng	98
20) 3+4-Methylphenols	9.64	107	172549	45.729	ng	88
22) Acetophenone	9.71	105	221664	46.600	ng	# 99
24) Nitrobenzene	10.11	77	188808	46.677	ng	90
25) Isophorone	10.63	82	354999	48.400	ng	99
26) 2-Nitrophenol	10.84	139	79599	51.978	ng	# 89
27) 2,4-Dimethylphenol	10.87	122	138726	62.357	ng	90
28) bis(2-Chloroethoxy)methane	11.11	93	190044	51.930	ng	98
29) 2,4-Dichlorophenol	11.39	162	159263	58.212	ng	97
30) 1,2,4-Trichlorobenzene	11.60	180	160847	45.250	ng	98
31) Naphthalene	11.80	128	428779	47.656	ng	99
32) Benzoic acid	10.99	122	4819m	2.330	ng	
33) 4-Chloroaniline	11.91	127	27834	6.905	ng	# 92
34) Hexachlorobutadiene	12.06	225	119785	44.561	ng	96
35) Caprolactam	12.66	113	43806	40.870	ng	93
36) 4-Chloro-3-methylphenol	12.97	107	195673	54.836	ng	94
37) 2-Methylnaphthalene	13.35	142	328140	46.988	ng	90
39) 1,2,4,5-Tetrachlorobenzene	13.70	216	220233	46.439	ng	99
40) Hexachlorocyclopentadiene	13.68	237	212693	76.506	ng	91

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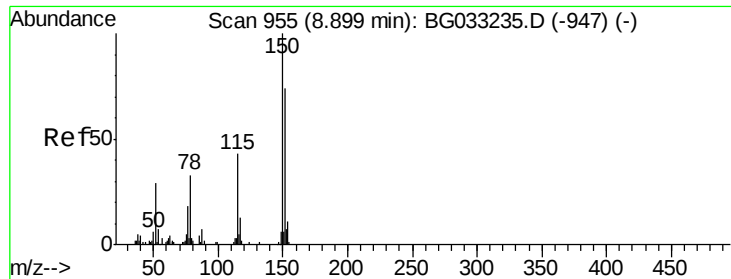
Manual Integrations
 APPROVED

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Quant Time: Mar 29 11:53:51 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.94	196	149372	54.212	nq	100
43) 2,4,5-Trichlorophenol	14.02	196	168110	51.618	nq	99
45) 1,1'-Biphenyl	14.33	154	468140	46.542	nq	96
46) 2-Chloronaphthalene	14.38	162	358148	46.179	nq	97
47) 2-Nitroaniline	14.57	65	145476	50.079	nq	97
48) Acenaphthylene	15.21	152	587069	45.349	nq	99
49) Dimethylphthalate	14.91	163	534165	46.882	nq	100
50) 2,6-Dinitrotoluene	15.04	165	118586	50.901	nq	99
51) Acenaphthene	15.55	154	362896	43.485	nq	97
52) 3-Nitroaniline	15.39	138	38279	15.672	nq	# 95
53) 2,4-Dinitrophenol	15.59	184	14251	18.327	nq	87
54) Dibenzofuran	15.88	168	595340	48.296	nq	92
55) 4-Nitrophenol	15.68	139	142806	83.148	nq	# 87
56) 2,4-Dinitrotoluene	15.82	165	170343	49.659	nq	93
57) Fluorene	16.52	166	498767	47.494	nq	97
58) 2,3,4,6-Tetrachlorophenol	16.10	232	160560	52.368	nq	92
59) Diethylphthalate	16.25	149	532093	48.094	nq	98
60) 4-Chlorophenyl-phenylether	16.50	204	287318	47.594	nq	97
61) 4-Nitroaniline	16.54	138	102017	41.245	nq	# 86
62) Azobenzene	16.79	77	510577	47.640	nq	99
64) 4,6-Dinitro-2-methylphenol	16.58	198	24740	12.508	nq	91
65) n-Nitrosodiphenylamine	16.71	169	461912	48.936	nq	97
66) 4-Bromophenyl-phenylether	17.39	248	193915	49.940	nq	96
67) Hexachlorobenzene	17.52	284	196289	47.899	nq	95
68) Atrazine	17.63	200	192189	50.246	nq	97
69) Pentachlorophenol	17.86	266	127788	45.433	nq	97
70) Phenanthrene	18.26	178	821927	47.733	nq	99
71) Anthracene	18.35	178	859273	49.284	nq	98
72) Carbazole	18.61	167	722312	46.752	nq	97
73) Di-n-butylphthalate	19.10	149	857190	47.666	nq	# 97
74) Fluoranthene	20.21	202	1015411	47.652	nq	97
76) Benzidine	20.37	184	81025	8.839	nq	97
77) Pyrene	20.57	202	1016998	45.113	nq	98
79) Butylbenzylphthalate	21.43	149	395486	47.540	nq	93
80) Benzo(a)anthracene	22.54	228	1043888	48.500	nq	99
81) 3,3'-Dichlorobenzidine	22.43	252	124016	16.192	nq	# 96
82) Chrysene	22.62	228	990079	47.521	nq	98
83) Bis(2-ethylhexyl)phthalate	22.36	149	532196	46.408	nq	99
84) Di-n-octyl phthalate	23.76	149	941163	53.601	nq	98
85) Indeno(1,2,3-cd)pyrene	30.71	276	1149357	51.024	nq	# 86
87) Benzo(b)fluoranthene	25.12	252	1042362	48.640	nq	# 97
88) Benzo(k)fluoranthene	25.20	252	1037524	47.870	nq	# 98
89) Benzo(a)pyrene	26.15	252	1017421	49.438	nq	# 96
90) Dibenzo(a,h)anthracene	30.79	278	954536	49.240	nq	# 96
91) Benzo(g,h,i)perylene	32.09	276	918202	47.833	nq	# 95

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



#1

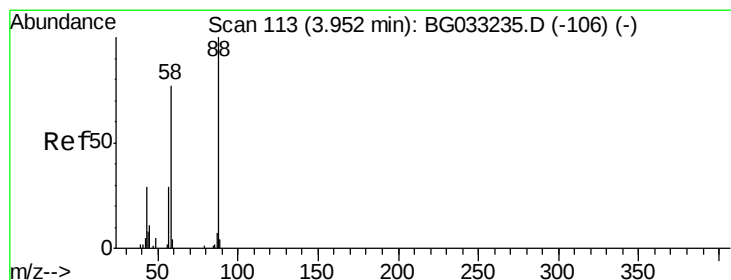
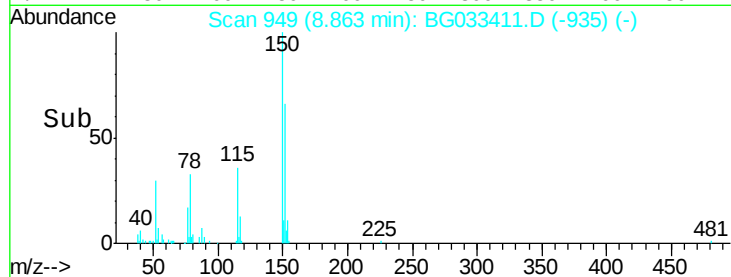
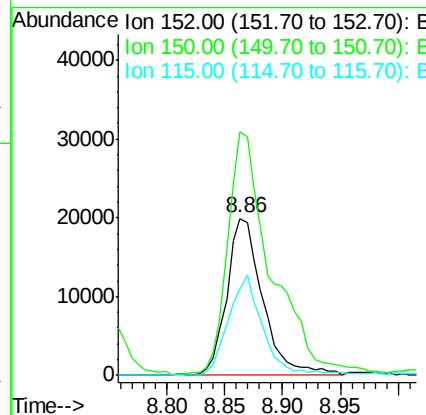
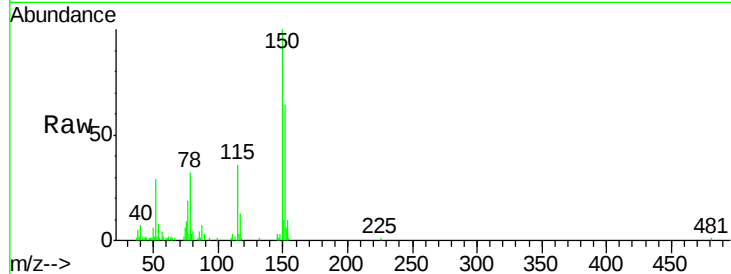
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.02 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.6	189.8
115	55.3	53.0	79.4

Manual Integrations
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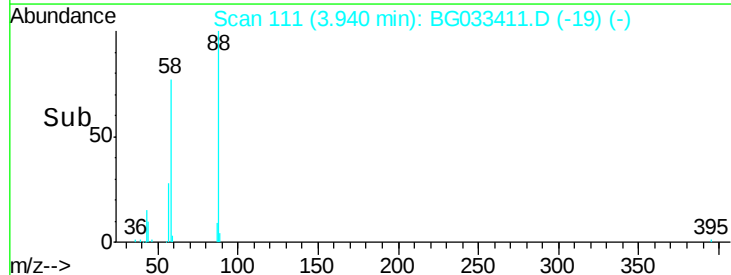
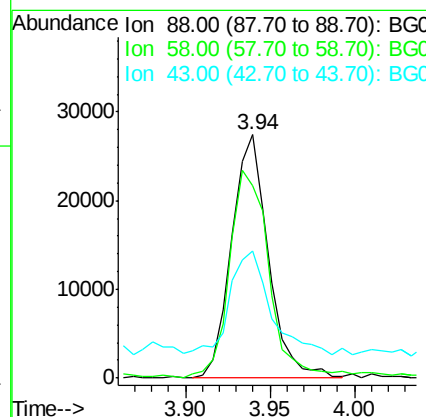
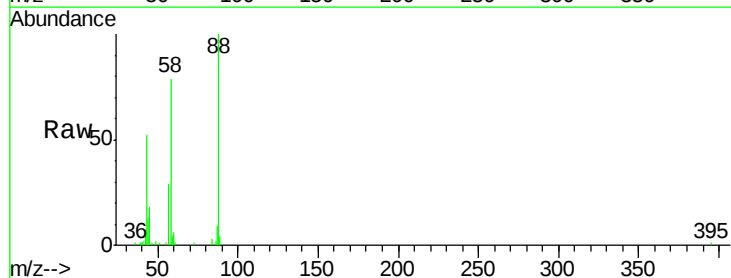
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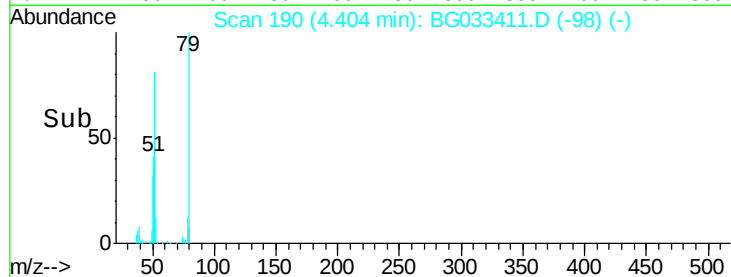
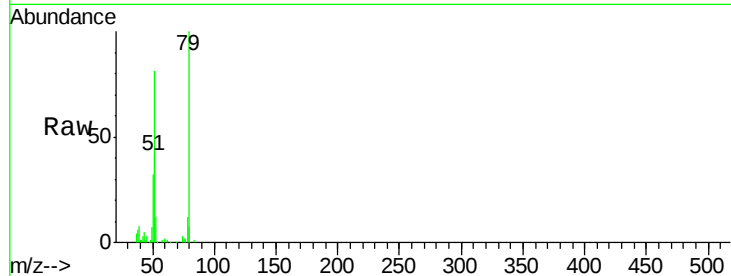


#2

1,4-Dioxane
Concen: 35.700 ng
RT: 3.94 min Scan# 111
Delta R.T. 0.01 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.9	79.6	119.4
43	47.7	27.4	41.0





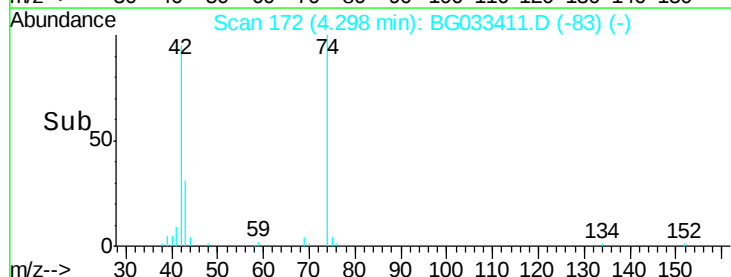
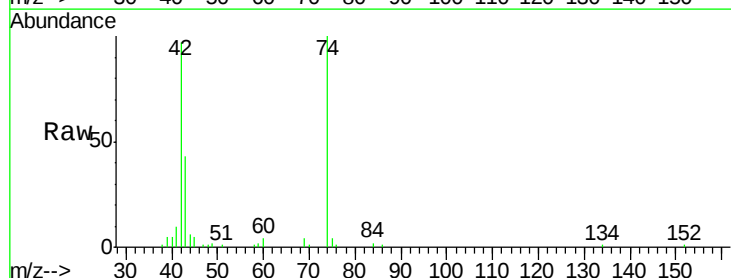
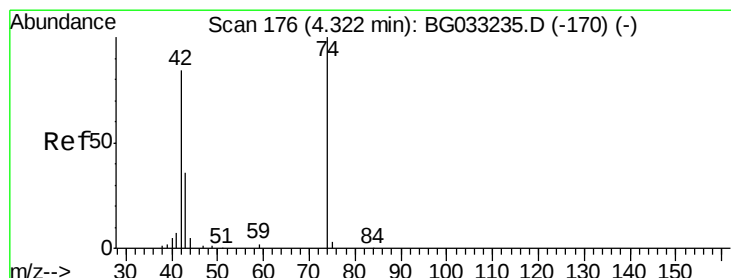
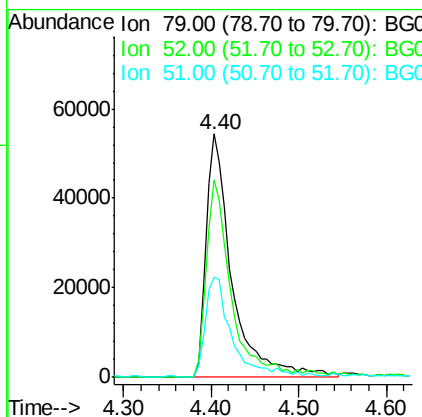
#3
 Pvridine
 Concen: 34.805 ng
 RT: 4.40 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tot Ion	Ratio	Lower	Upper
79	100		
52	81.1	69.9	104.9
51	41.0	34.0	51.0

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

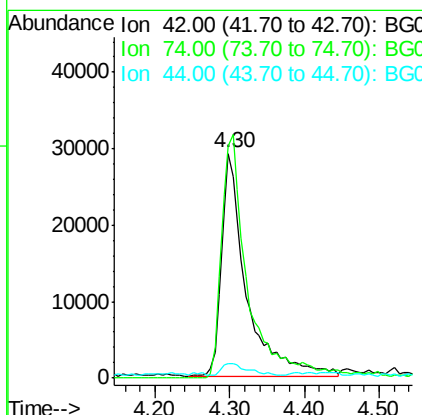
Manual Integrations
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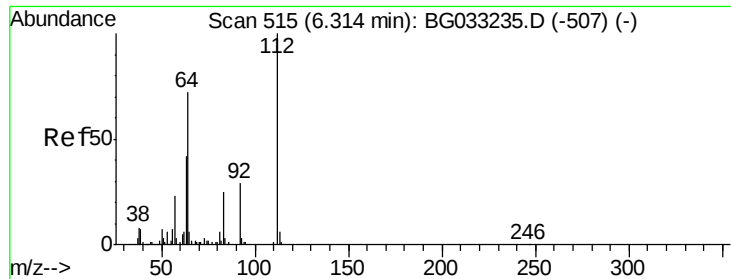
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#4
 n-Nitrosodimethylamine
 Concen: 51.857 ng
 RT: 4.30 min Scan# 172
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	103.1	102.5	153.7
44	6.5	18.9	28.3#





#5

2-Fluorophenol

Concen: 156.937 ng

RT: 6.30 min Scan# 513

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

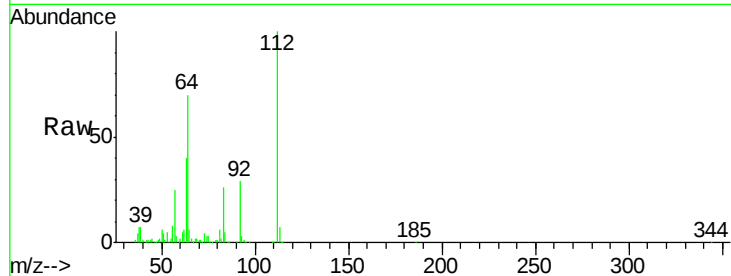
ClientSampleId :

BU-03-032618MSD

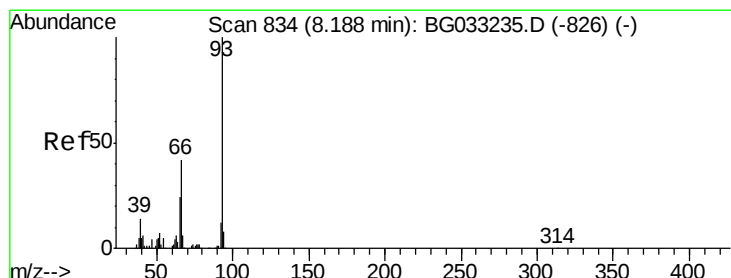
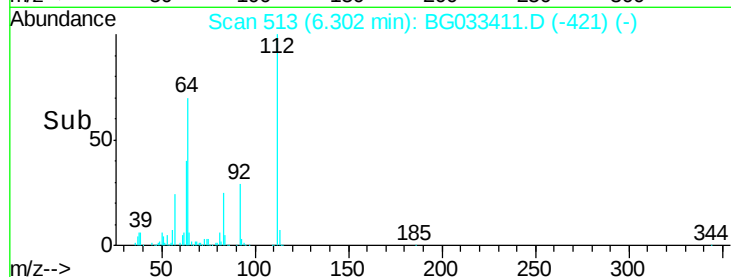
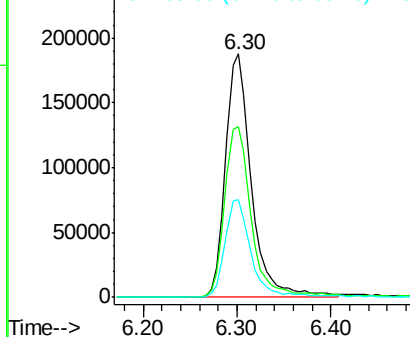
Tot Ion:	112	Resp:	359893
Ion Ratio	Lower	Upper	
112	100		
64	69.9	56.3	84.5
63	40.0	30.1	45.1

Manual Integrations
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Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 10.181 ng

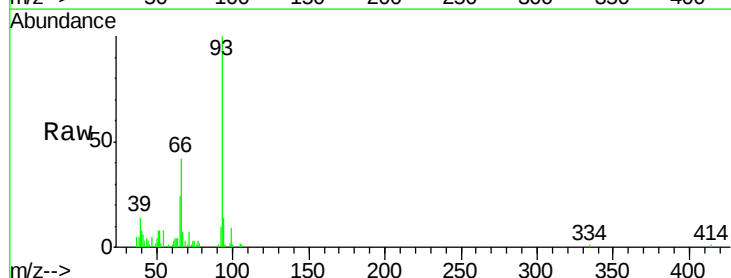
RT: 8.16 min Scan# 829

Delta R.T. -0.01 min

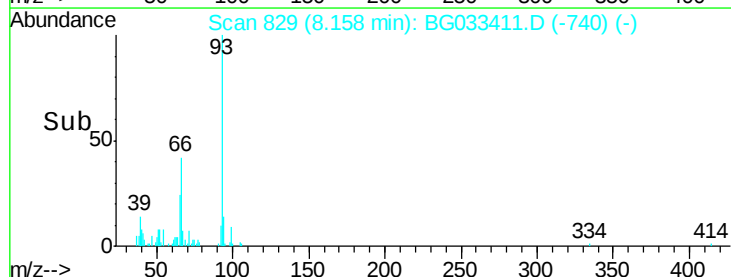
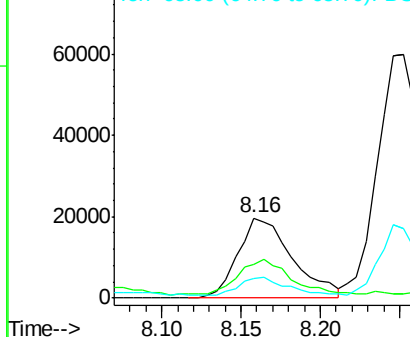
Lab File: BG033411.D

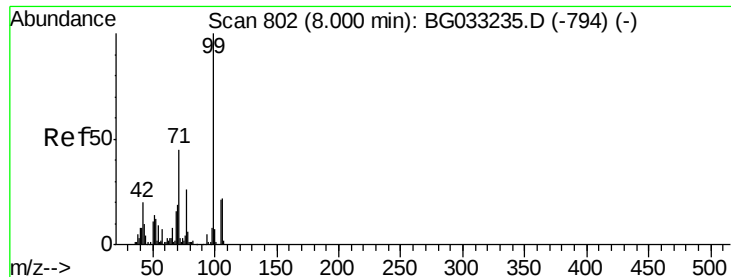
Acq: 29 Mar 2018 8:13

Tgt Ion:	93	Resp:	47174
Ion Ratio	Lower	Upper	
93	100		
66	41.5	33.7	50.5
65	24.3	16.1	24.1#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 133.419 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

ClientSampleId :

BU-03-032618MSD

Tot Ion: 99 Resp: 525707

Ion Ratio Lower Upper

99 100

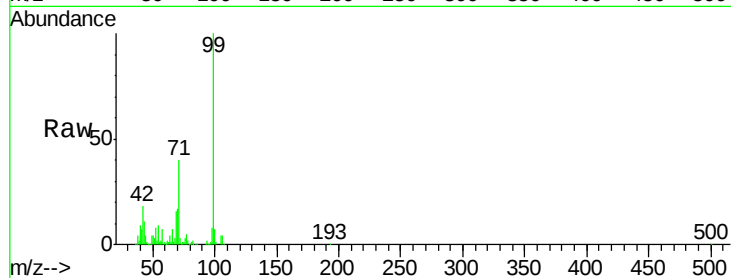
42 18.5 14.1 21.1

71 40.2 26.1 39.1#

Manual Integrations
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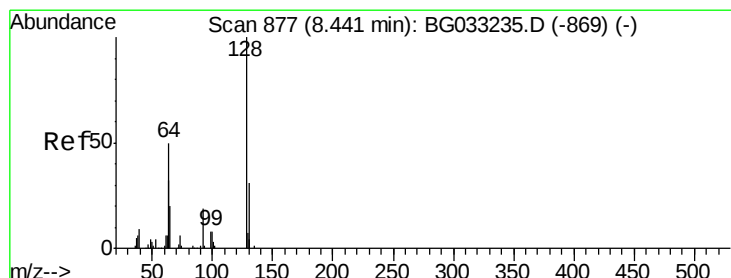
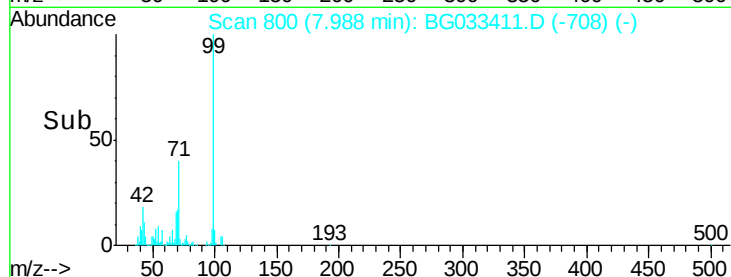
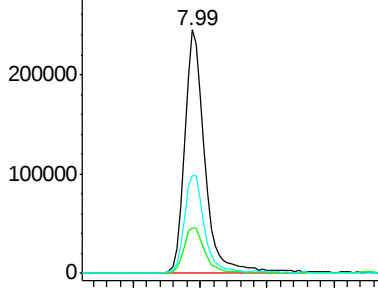
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Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 52.157 ng

RT: 8.42 min Scan# 873

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

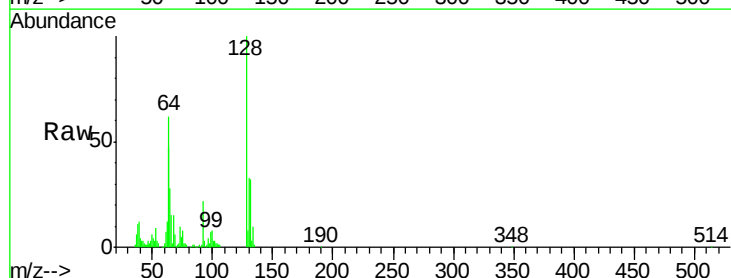
Tgt Ion:128 Resp: 136739

Ion Ratio Lower Upper

128 100

130 33.2 14.0 54.0

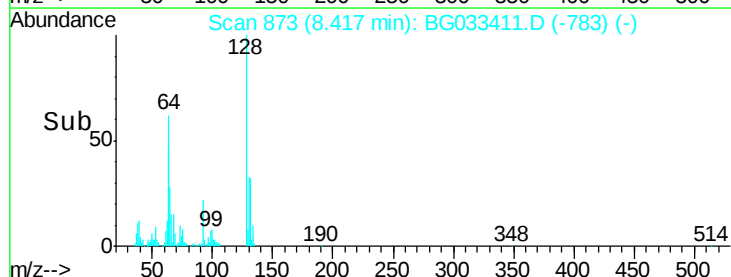
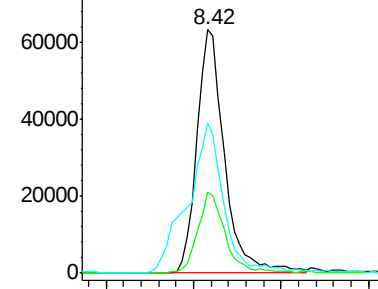
64 61.7 37.7 77.7

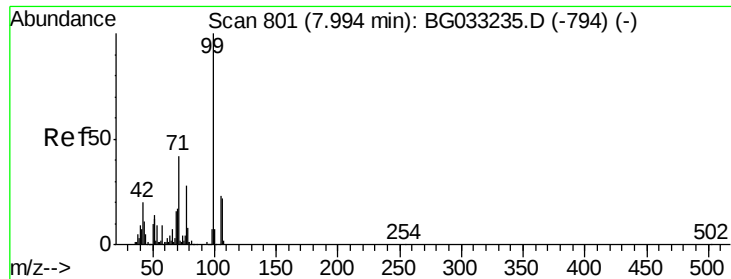


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

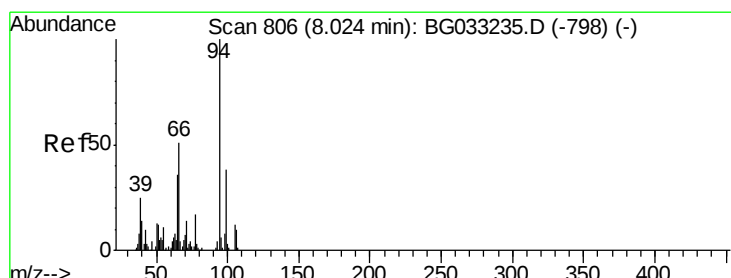
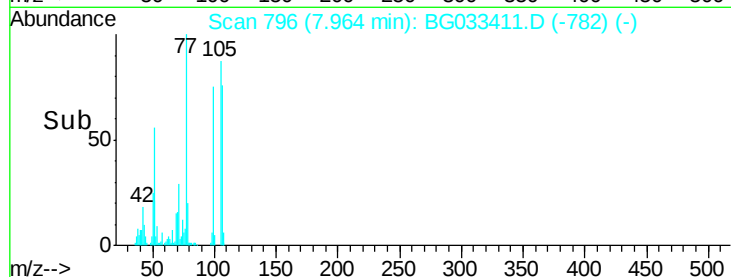
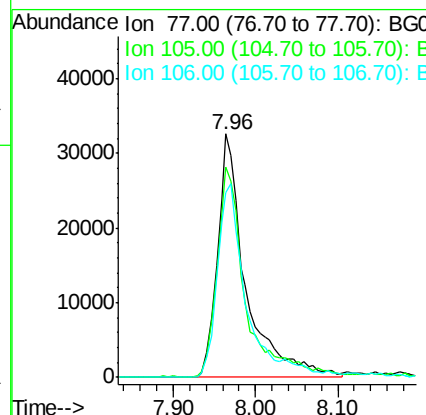
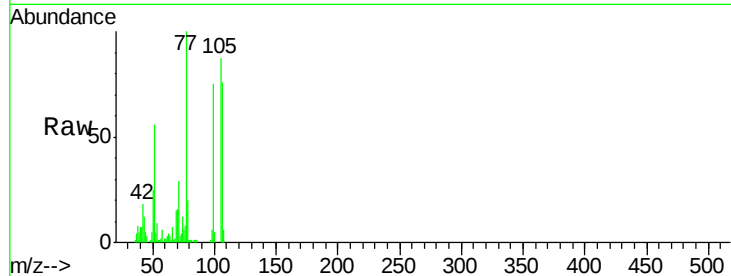
Concen: 31.014 ng/ml
 RT: 7.96 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	86.6	71.3	111.3
106	75.7	64.2	104.2

Manual Integrations
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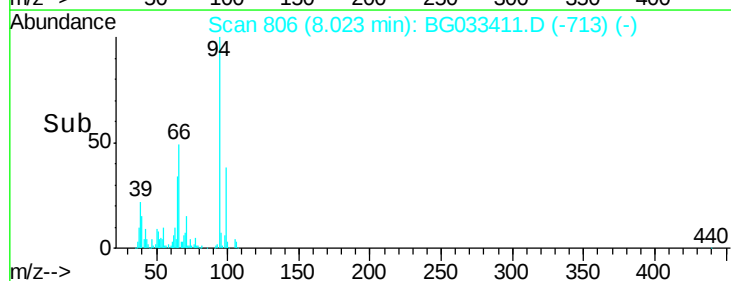
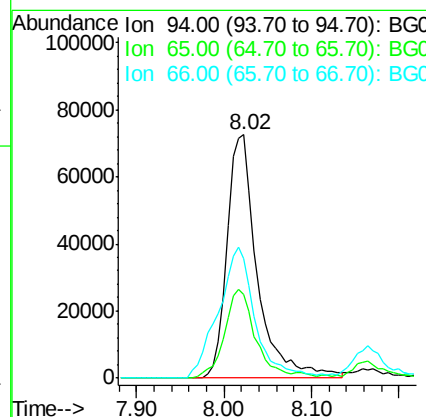
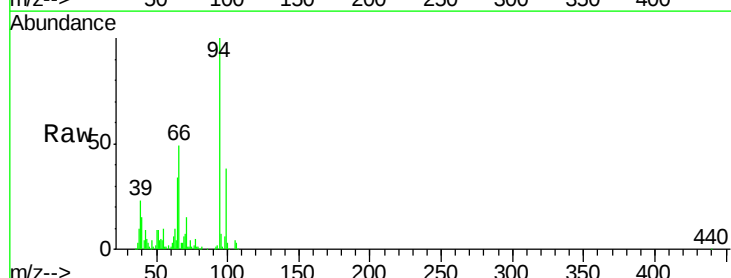


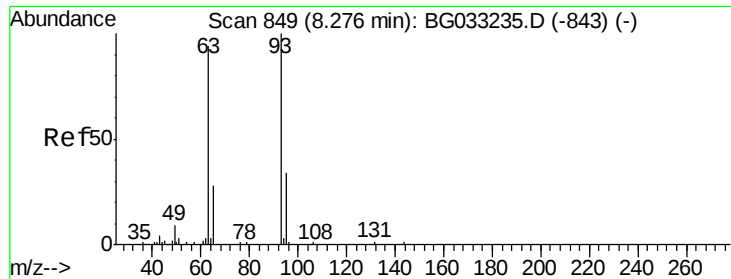
#10

Phenol

Concen: 44.493 ng/ml
 RT: 8.02 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
94	100		
65	34.2	11.9	51.9
66	48.9	22.2	62.2





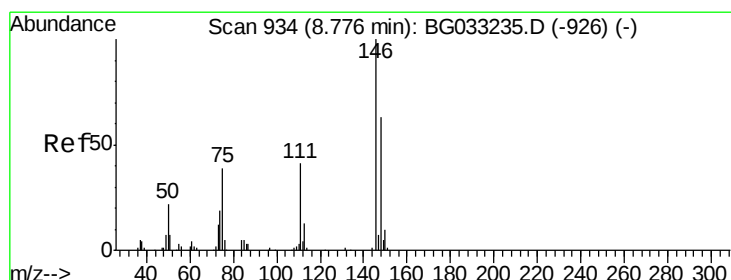
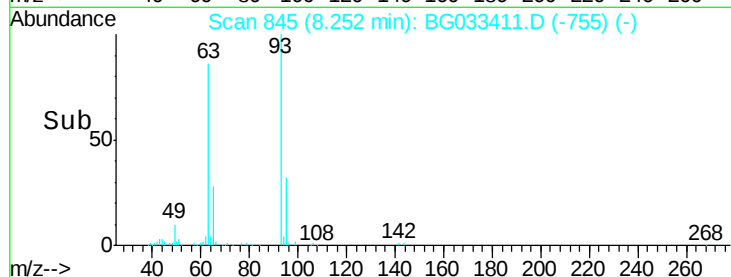
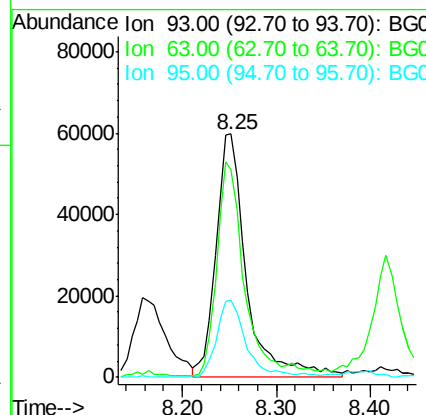
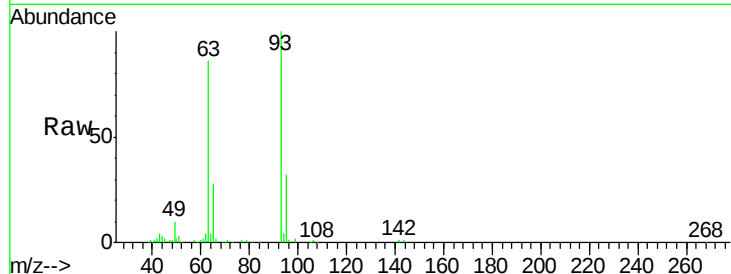
#11
bis(2-Chloroethyl)ether
Concen: 42.333 ng
RT: 8.25 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	85.5	67.1	107.1
95	31.7	11.5	51.5

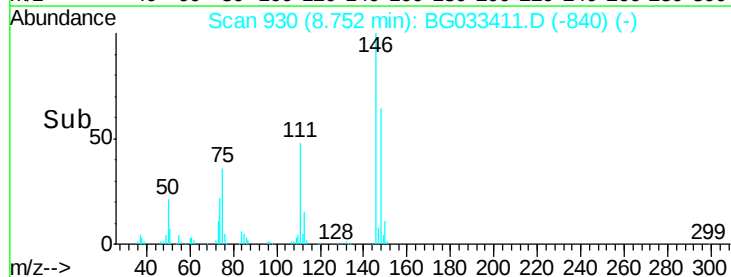
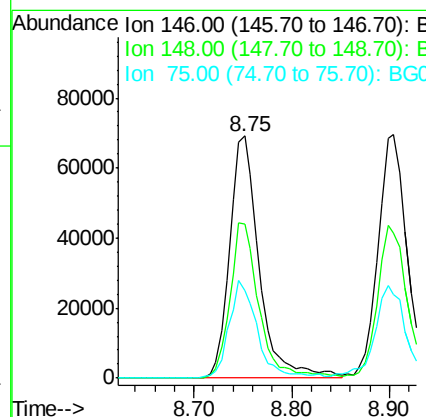
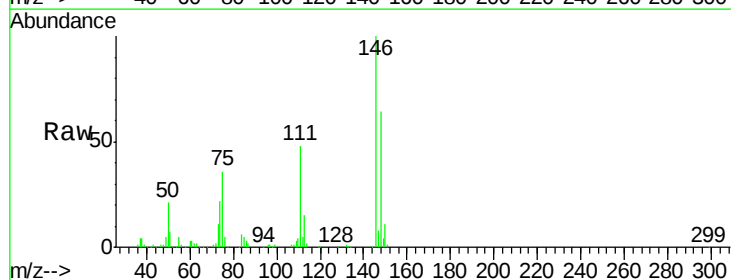
Manual Integrations
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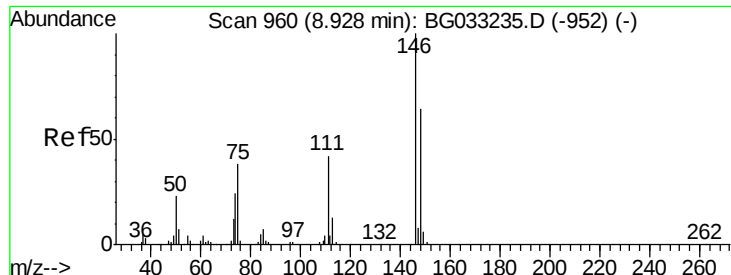
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#12
1,3-Dichlorobenzene
Concen: 42.294 ng
RT: 8.75 min Scan# 930
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
75	36.1	26.6	39.8





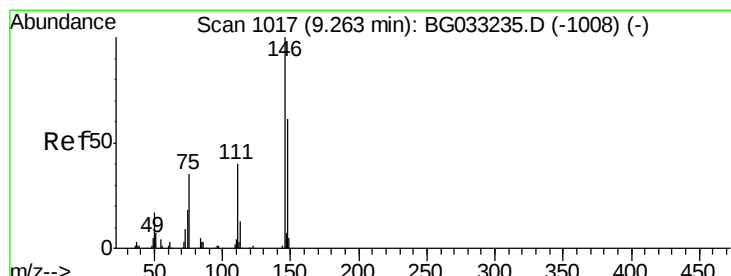
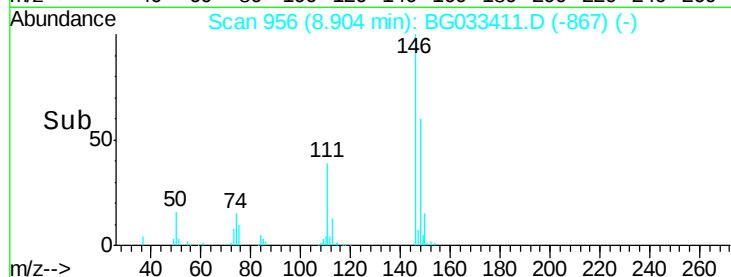
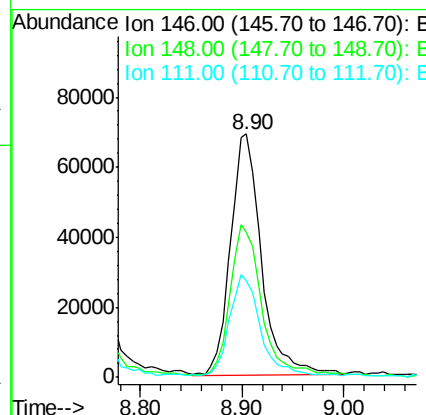
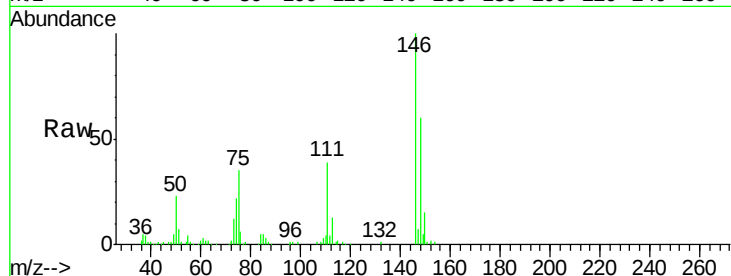
#13
 1,4-Dichlorobenzene
 Concen: 42.687 ng
 RT: 8.90 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	59.6	53.7	80.5
111	39.5	35.2	52.8

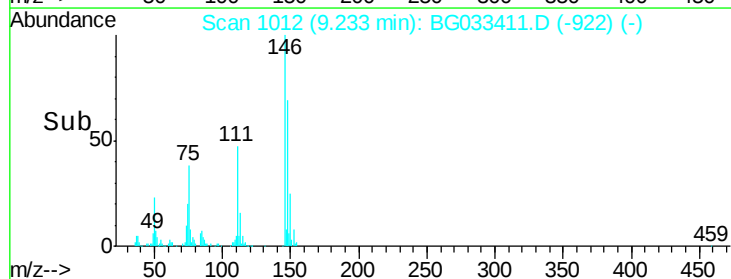
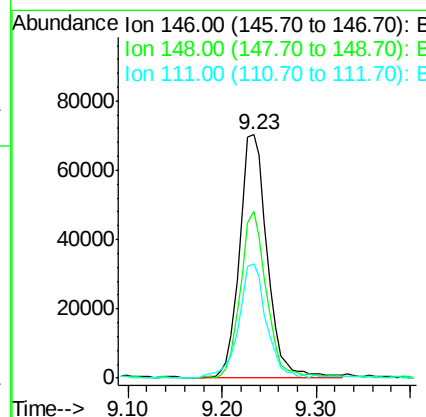
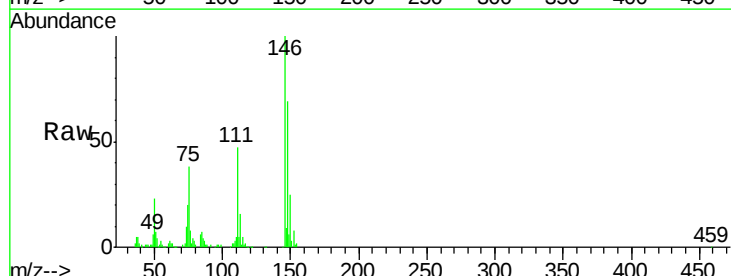
Manual Integrations
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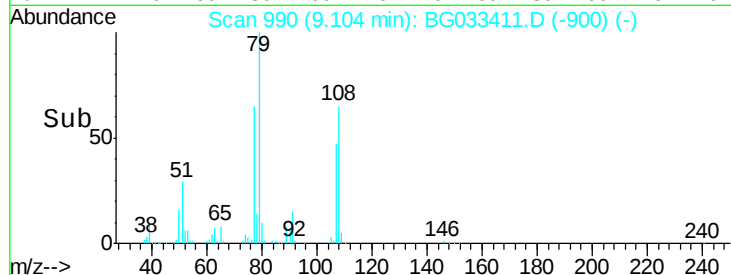
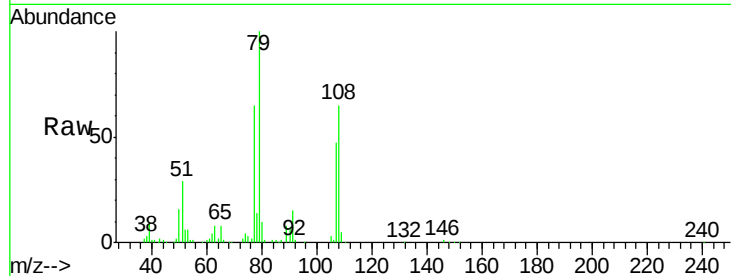
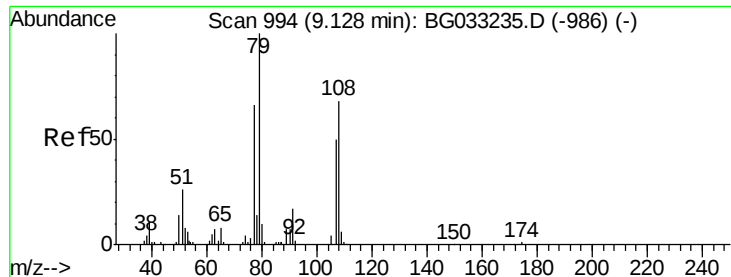
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#14
 1,2-Dichlorobenzene
 Concen: 42.385 ng
 RT: 9.23 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	68.7	49.3	73.9
111	46.8	34.3	51.5





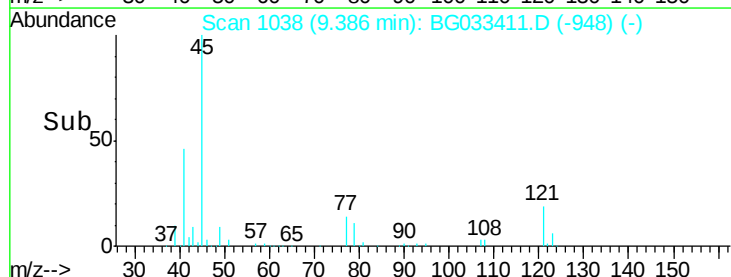
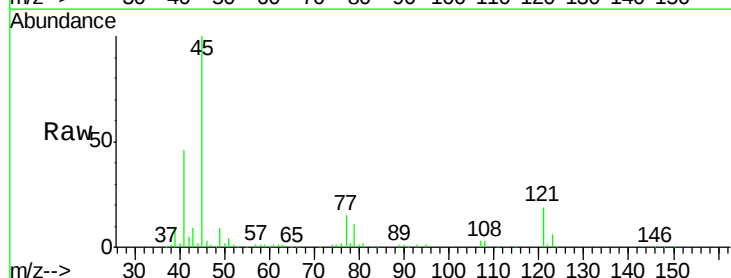
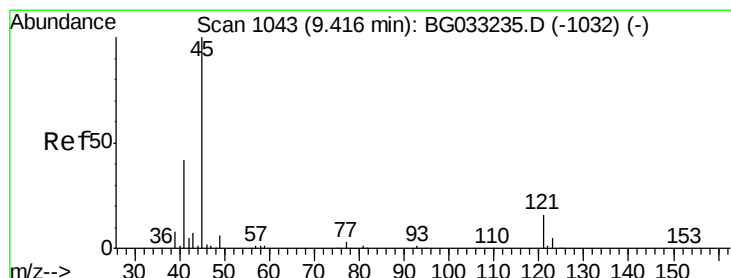
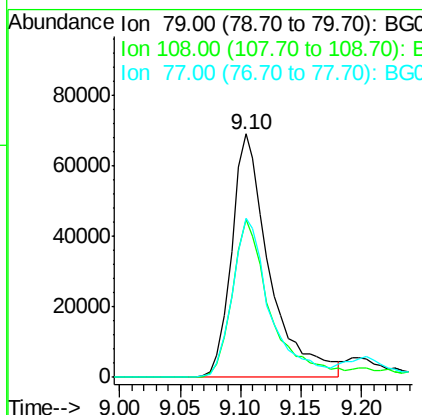
#15
Benzyl Alcohol
Concen: 48.492 ng
RT: 9.10 min Scan# 990
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tot Ion	Ratio	Lower	Upper
79	100		
108	64.6	57.2	85.8
77	65.2	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

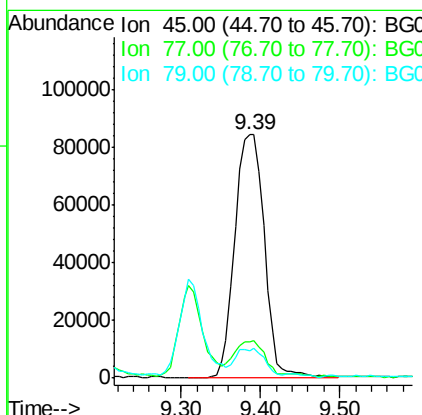
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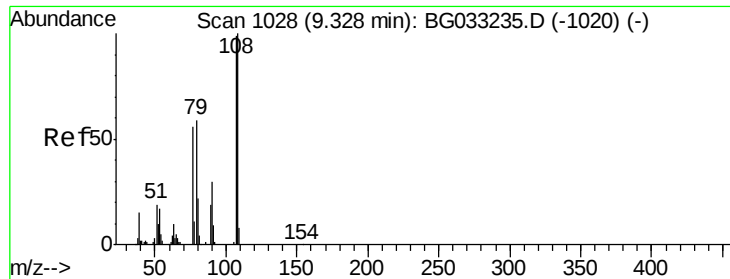
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.480 ng
RT: 9.39 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	30.2
79	11.3	0.0	27.9





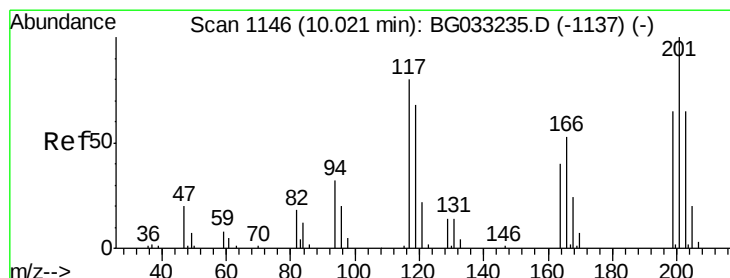
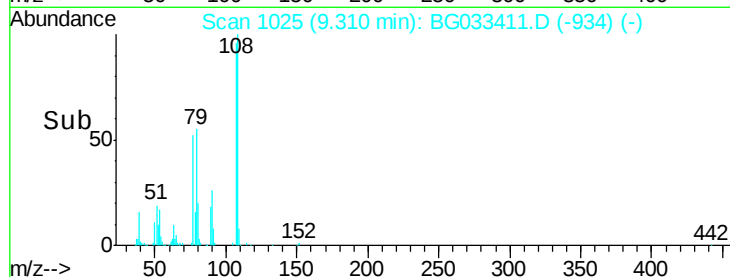
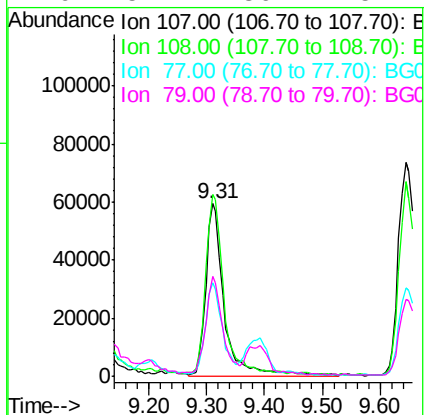
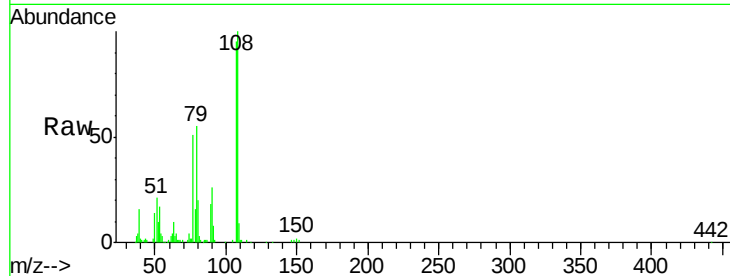
#17
2-Methylphenol
Concen: 49.694 ng
RT: 9.31 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	105.0	83.9	125.9	
77	54.0	37.2	55.8	
79	57.7	36.2	54.2	

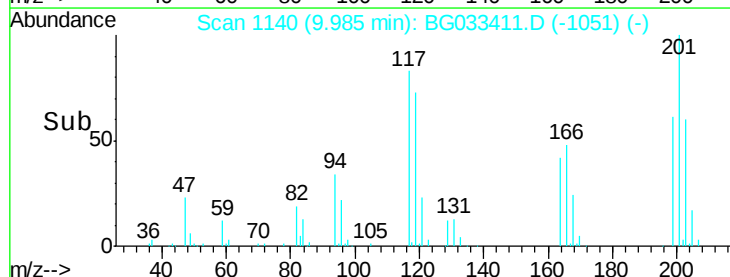
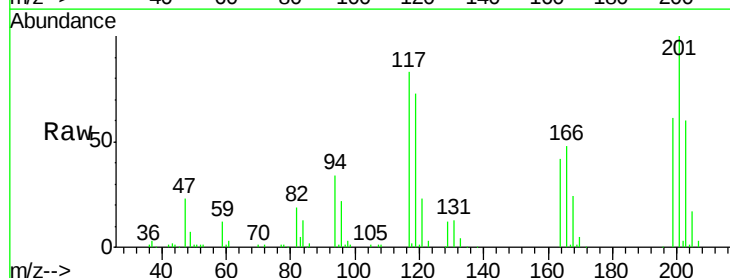
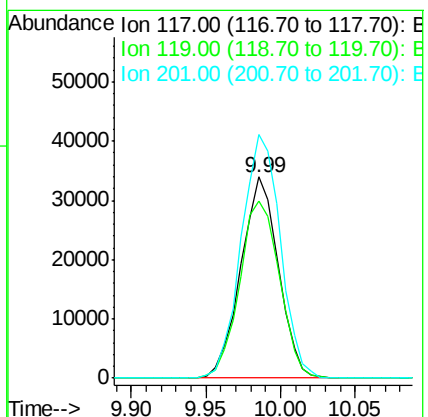
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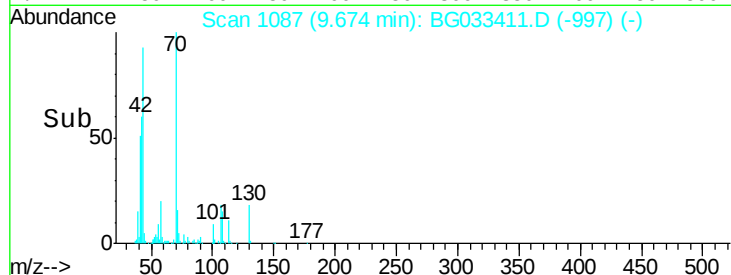
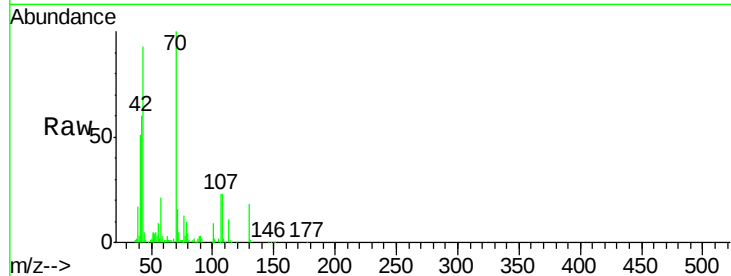
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#18
Hexachloroethane
Concen: 44.675 ng
RT: 9.99 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	87.9	76.7	115.1	
201	121.0	95.7	143.5	





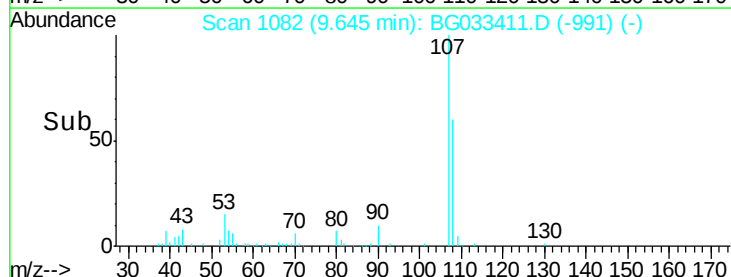
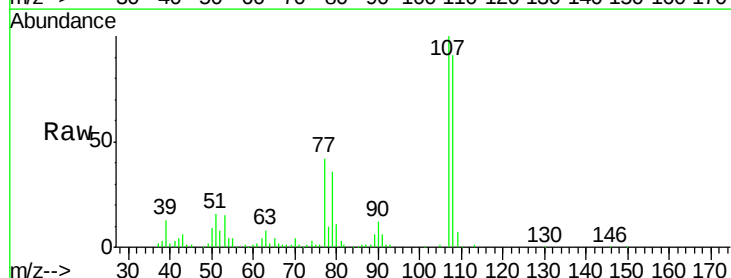
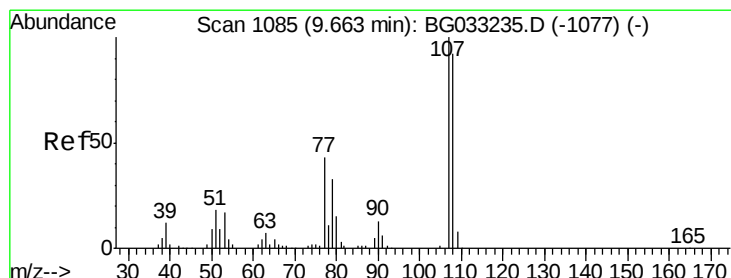
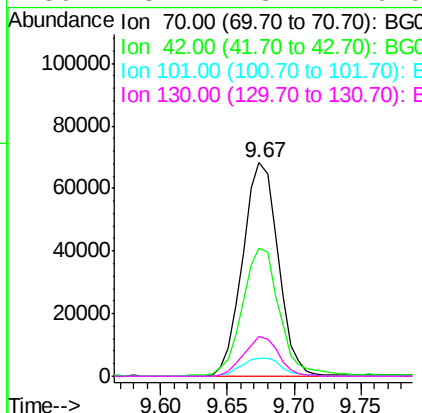
#19
n-Nitroso-di-n-propylamine
Concen: 43.568 ng
RT: 9.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	60.2	49.1	73.7	
101	8.7	8.5	12.7	
130	18.4	13.4	20.0	

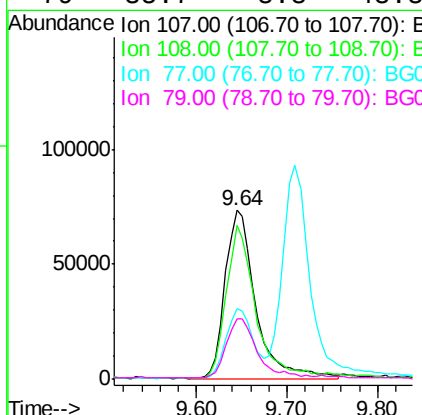
Manual Integrations
APPROVED

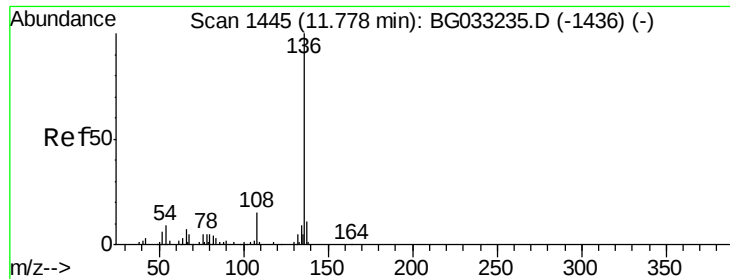
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#20
3+4-Methylphenols
Concen: 45.729 ng
RT: 9.64 min Scan# 1082
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.0	61.6	101.6	
77	41.5	13.9	53.9	
79	35.7	8.8	48.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

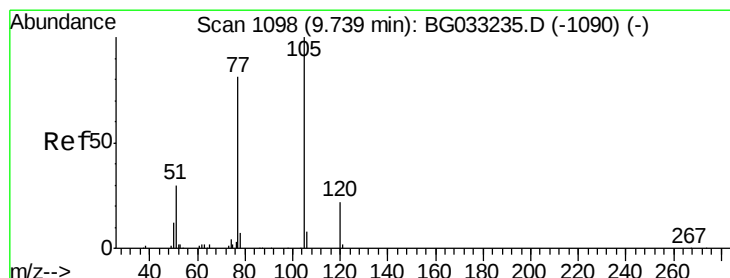
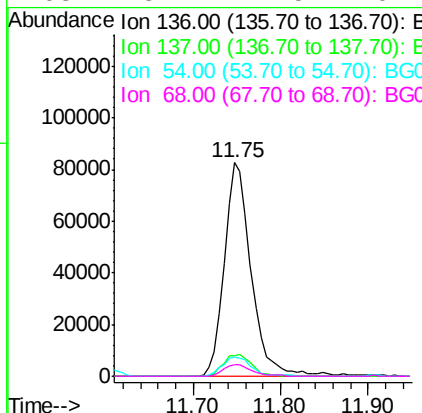
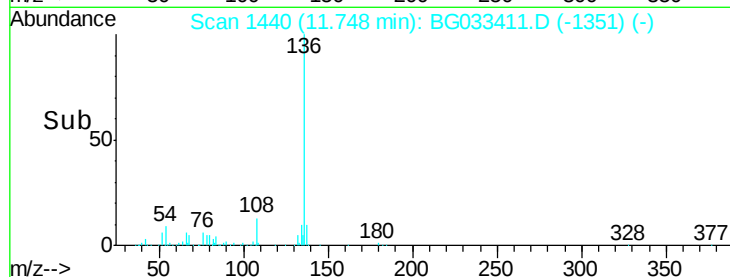
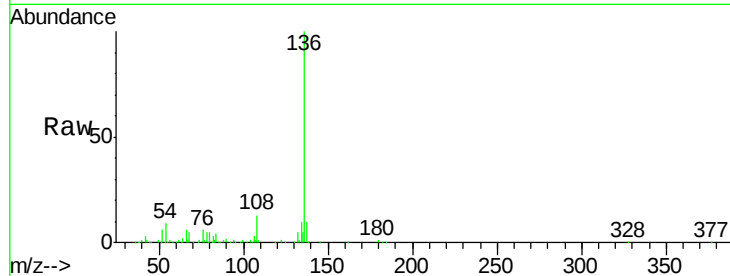
ClientSampleId :

BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	9.9	9.2	13.8	
54	9.2	10.3	15.5	
68	5.4	4.5	6.7	

Manual Integrations
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#22

Acetophenone

Concen: 46.600 ng

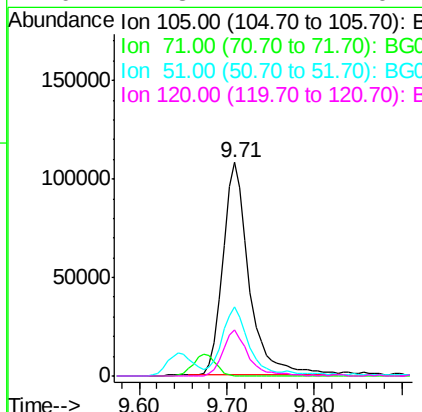
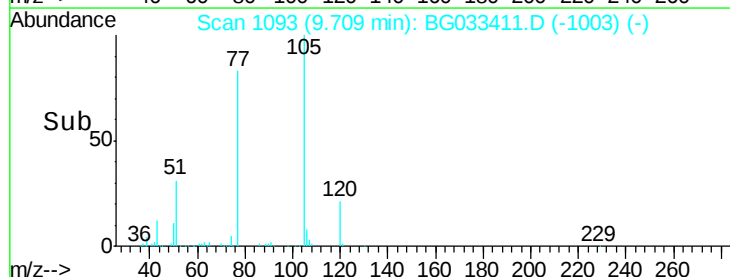
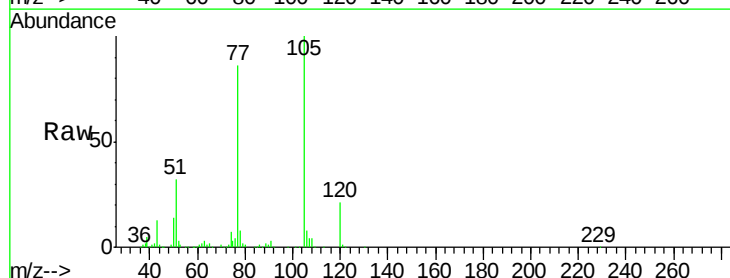
RT: 9.71 min Scan# 1093

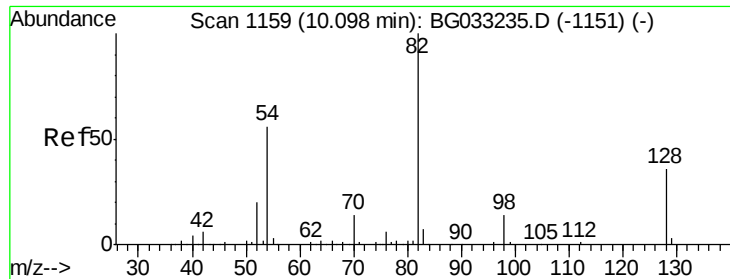
Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	0.2	3.0	4.4	
51	32.3	26.1	39.1	
120	21.3	17.4	26.2	





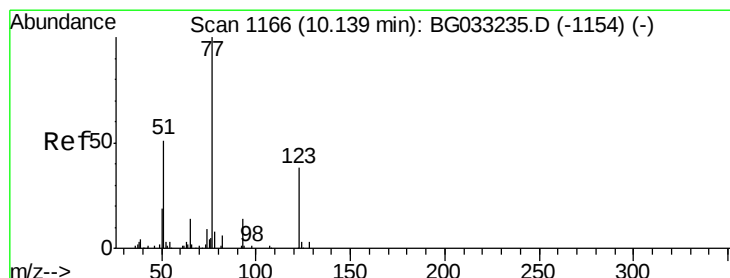
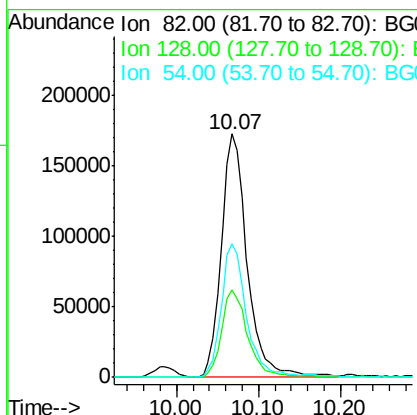
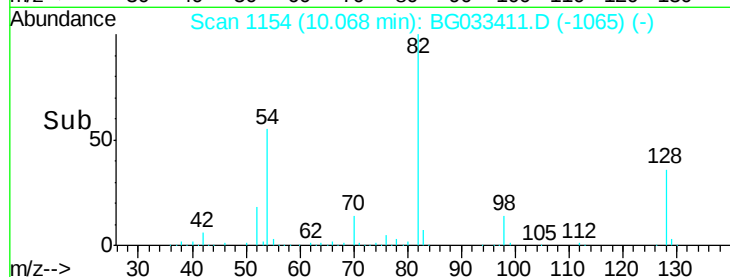
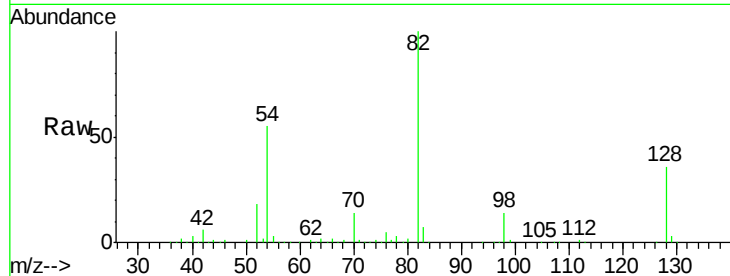
#23
 Nitrobenzene-d5
 Concen: 99.832 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.1	29.7	44.5
54	55.0	43.1	64.7

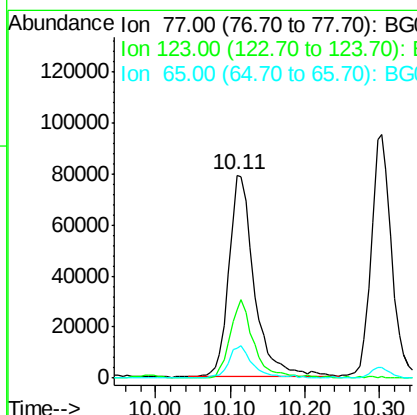
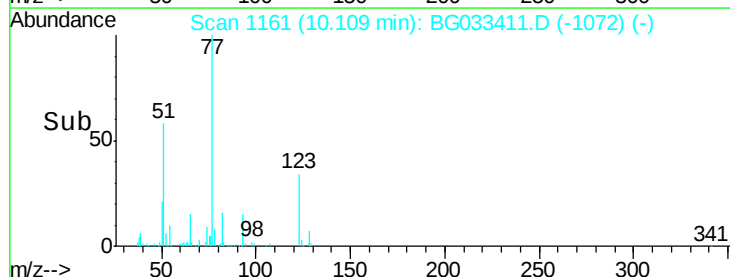
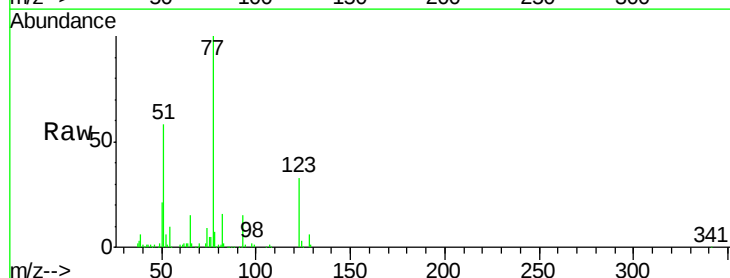
Manual Integrations
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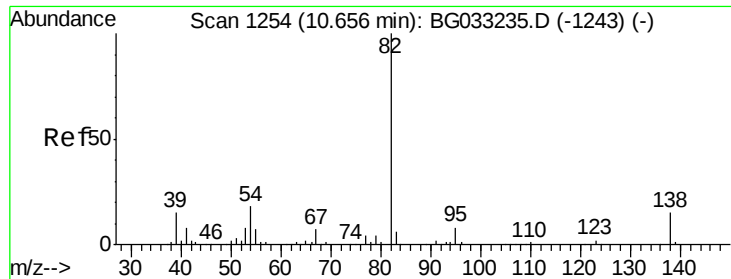
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#24
 Nitrobenzene
 Concen: 46.677 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.5	33.0	49.6
65	14.7	13.0	19.6





#25

Isophorone

Concen: 48.400 ng

RT: 10.63 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

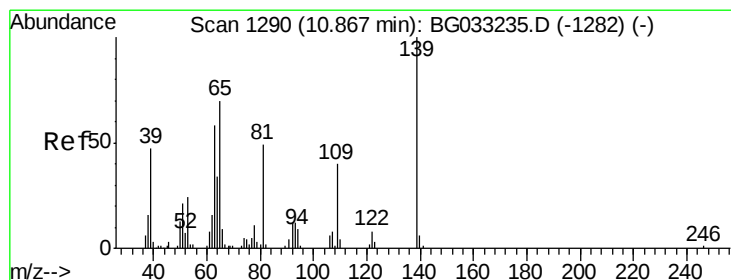
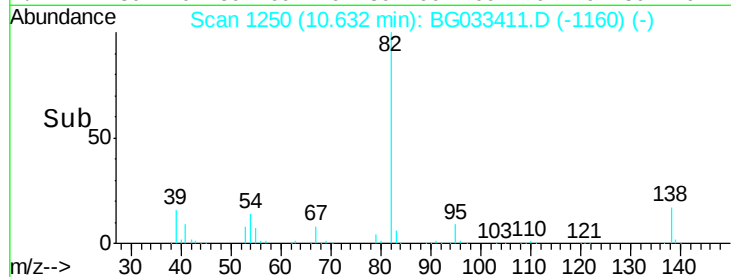
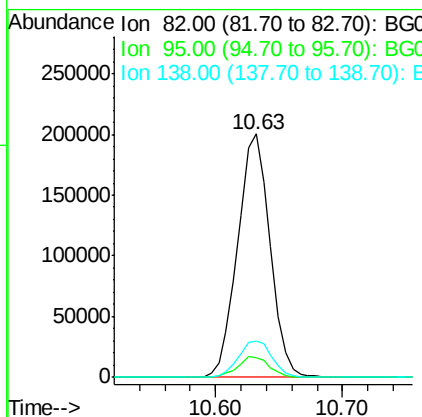
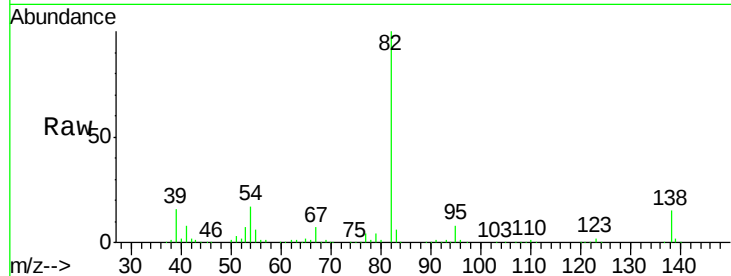
ClientSampleId :

BU-03-032618MSD

Tot Ion:	82	Resp:	354999
Ion Ratio		Lower	Upper
82	100		
95	8.1	6.2	9.2
138	14.9	12.1	18.1

Manual Integrations
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#26

2-Nitrophenol

Concen: 51.978 ng

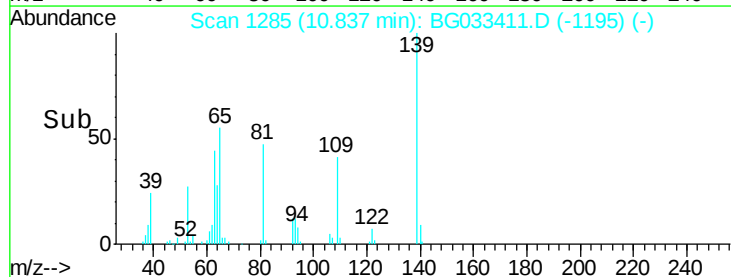
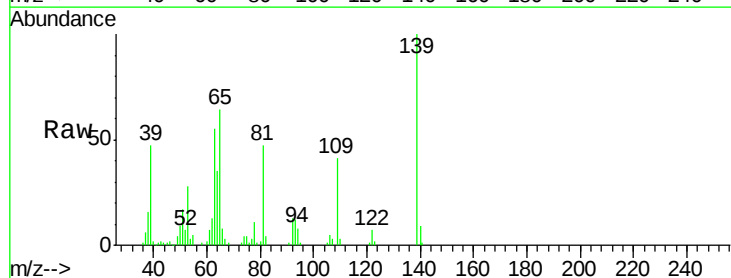
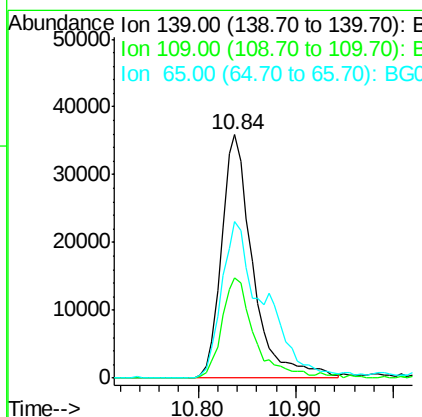
RT: 10.84 min Scan# 1285

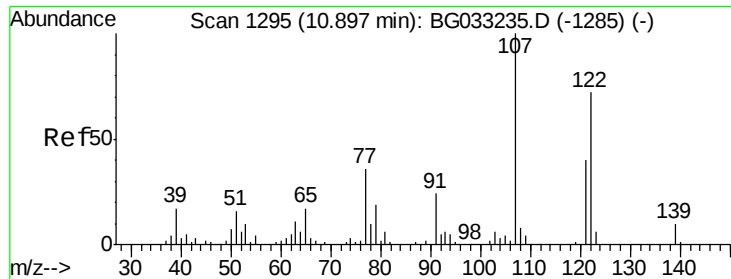
Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion:	139	Resp:	79599
Ion Ratio		Lower	Upper
139	100		
109	41.0	24.2	36.2#
65	64.5	47.4	71.0





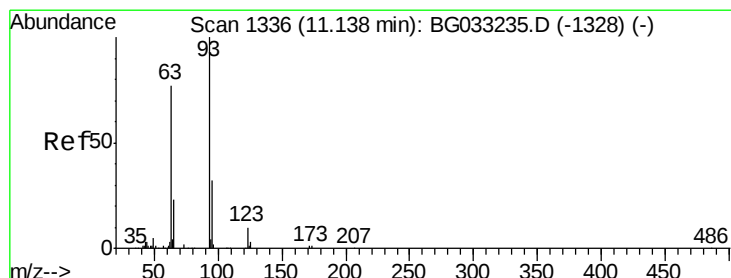
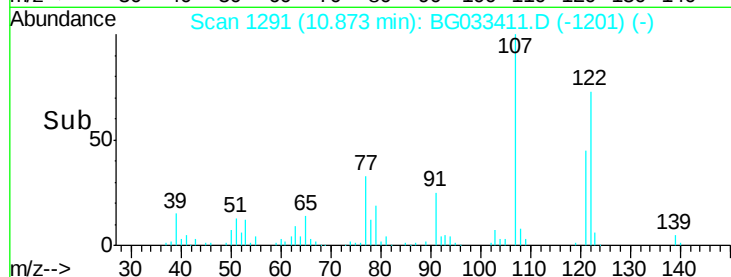
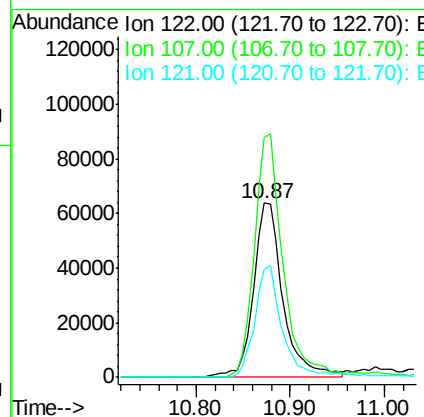
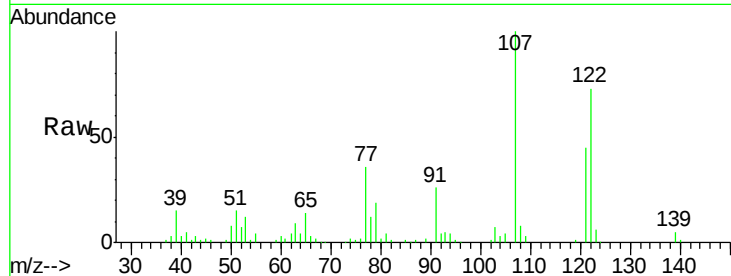
#27
 2,4-Dimethylphenol
 Concen: 62.357 ng
 RT: 10.87 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100				
107	137.5	100.2	150.2		
121	62.2	44.4	66.6		

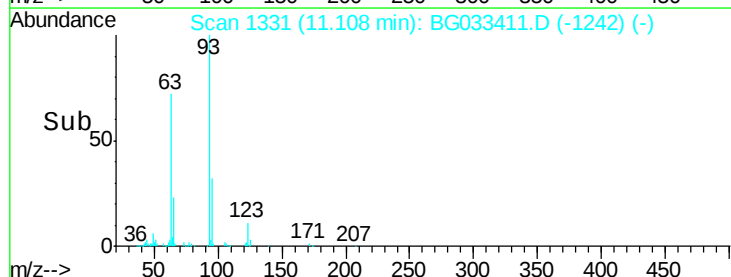
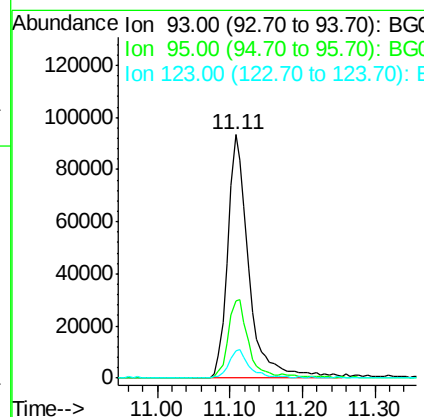
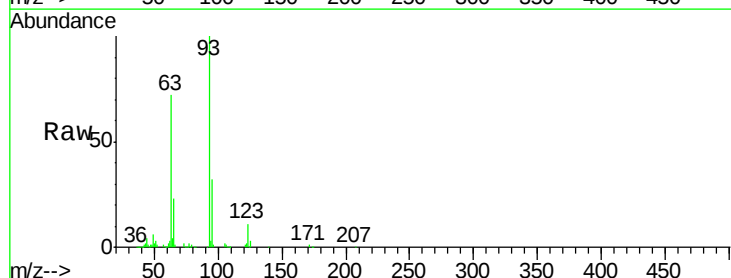
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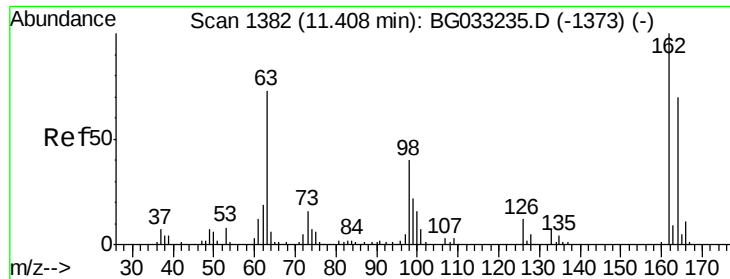
Sohil
 3/29/2018 5:39:20 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.930 ng
 RT: 11.11 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100				
95	31.7	24.3	36.5		
123	11.0	8.4	12.6		





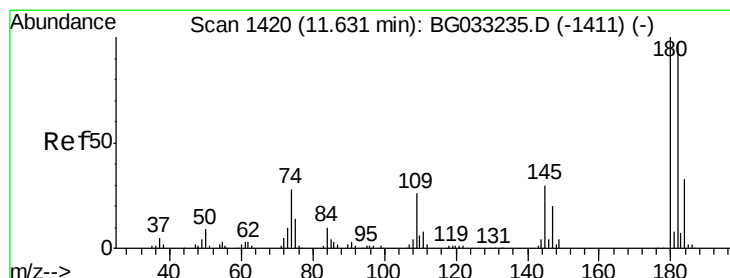
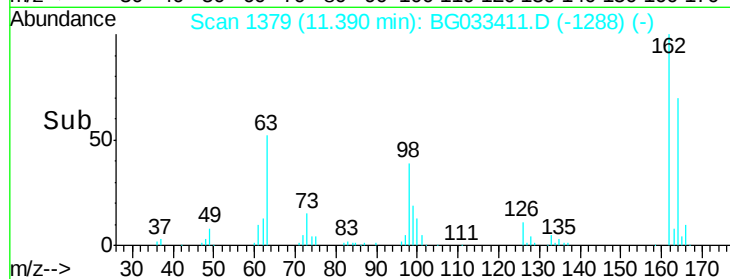
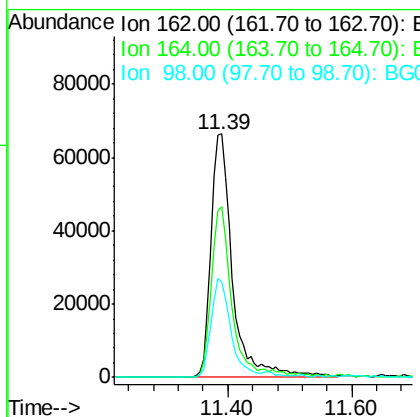
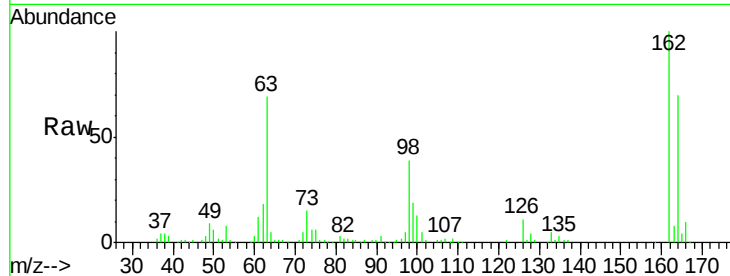
#29
 2,4-Dichlorophenol
 Concen: 58.212 ng
 RT: 11.39 min Scan# 1379
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	159263		
164	70.2	48.0	88.0	
98	39.0	21.1	61.1	

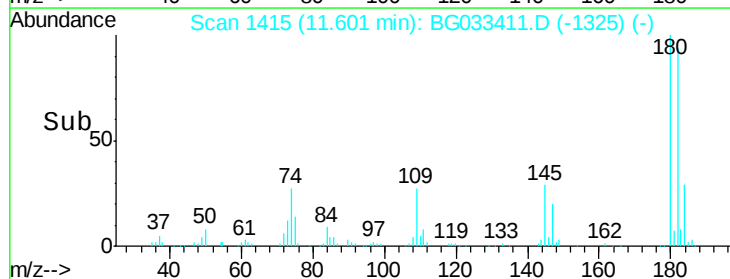
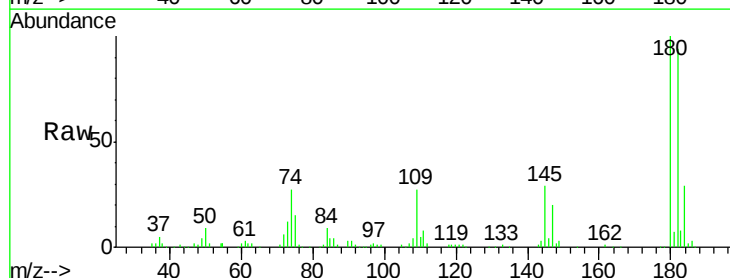
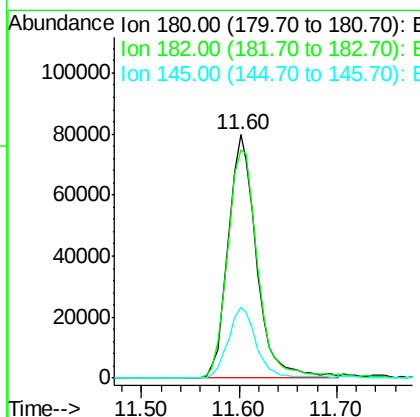
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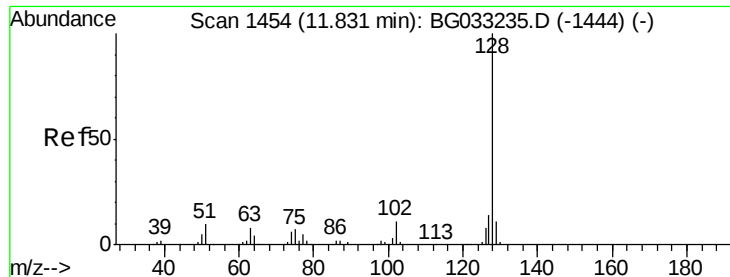
Sohil
 3/29/2018 5:39:20 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 45.250 ng
 RT: 11.60 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	160847		
182	94.0	77.5	116.3	
145	28.9	23.4	35.2	





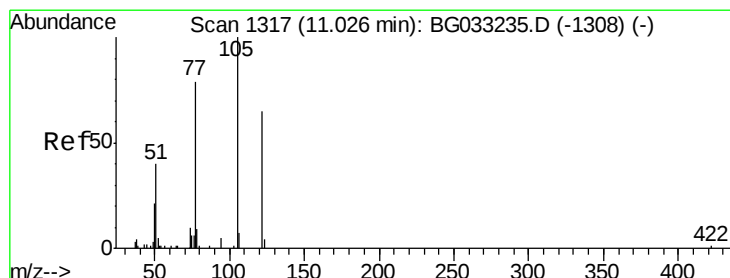
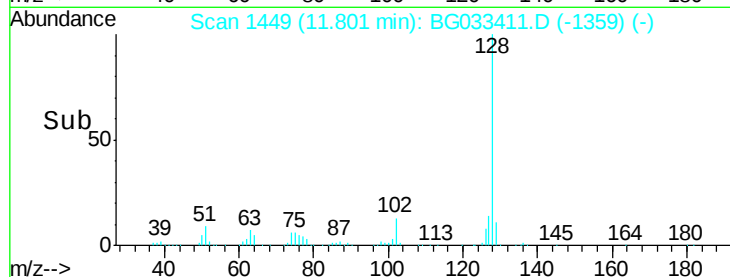
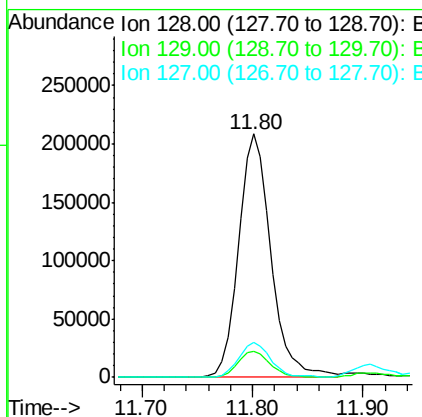
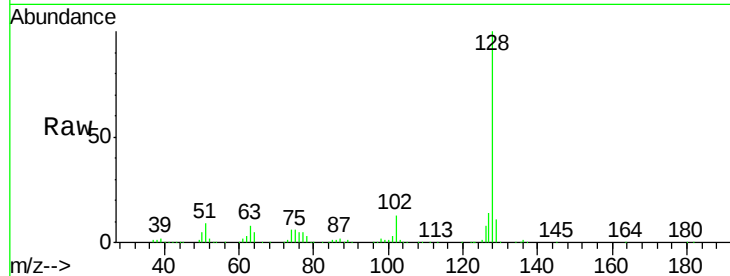
#31
Naphthalene
Concen: 47.656 ng
RT: 11.80 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	14.1	11.6	17.4

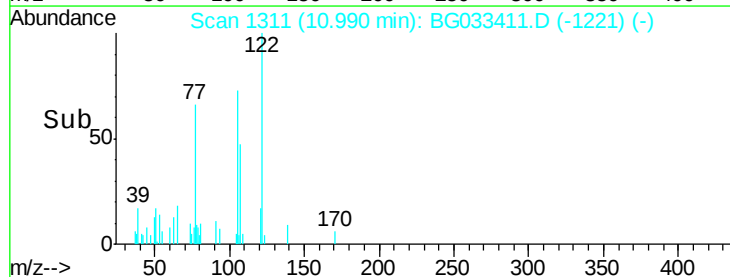
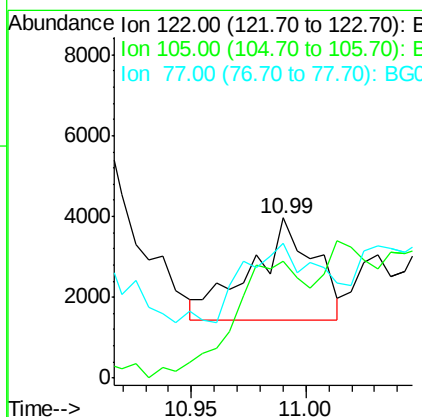
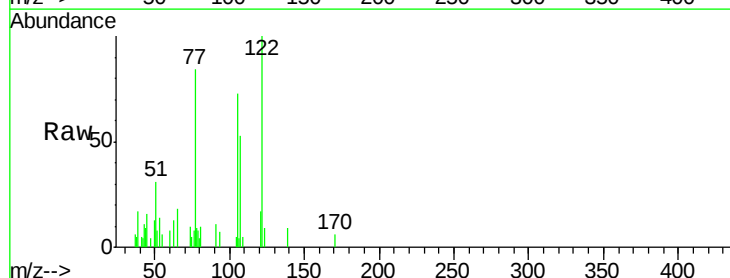
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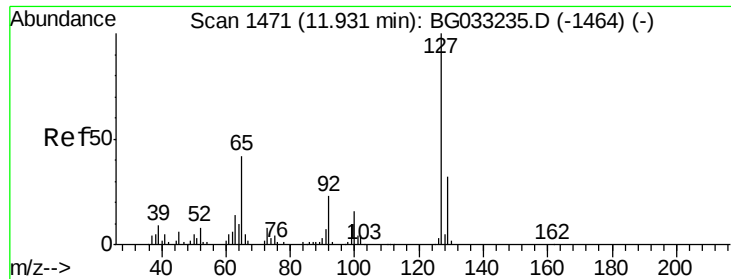
Sohil
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#32
Benzoic acid
Concen: 2.330 ng m
RT: 10.99 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
122	100		
105	73.2	123.5	163.5#
77	84.1	85.7	125.7#





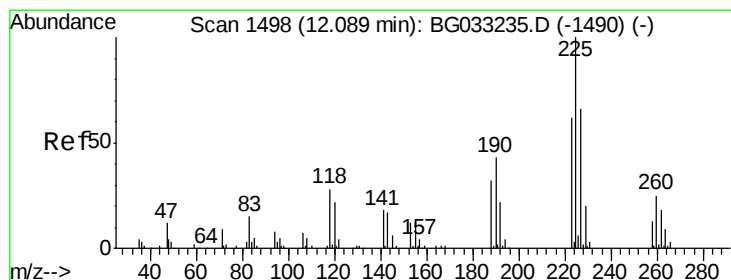
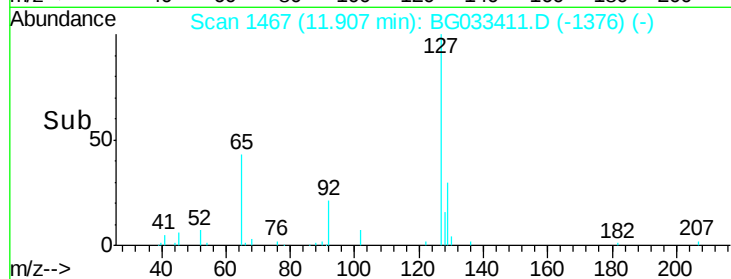
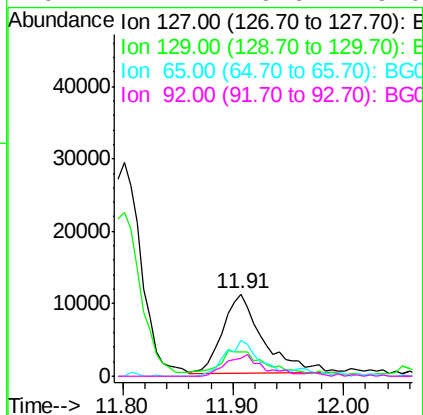
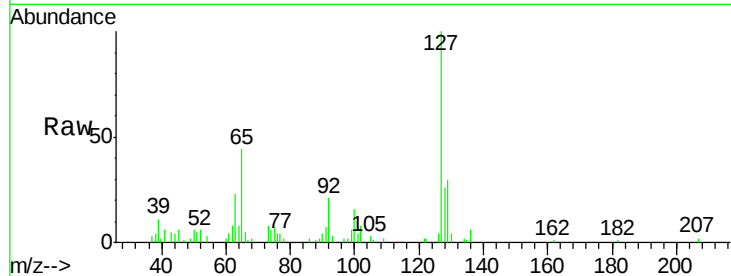
#33
4-Chloroaniline
Concen: 6.905 ng
RT: 11.91 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	30.1	24.0	36.0
65	44.3	27.0	40.4
92	21.2	16.6	25.0

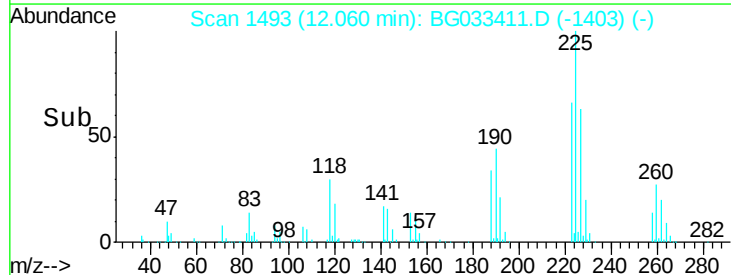
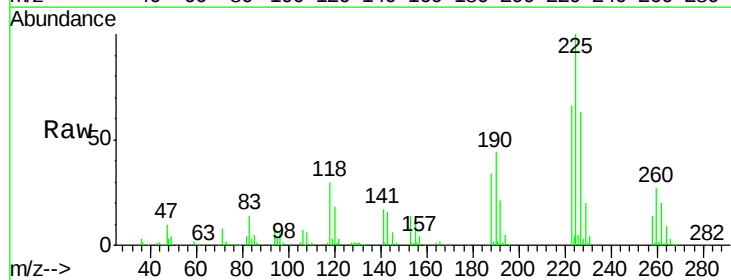
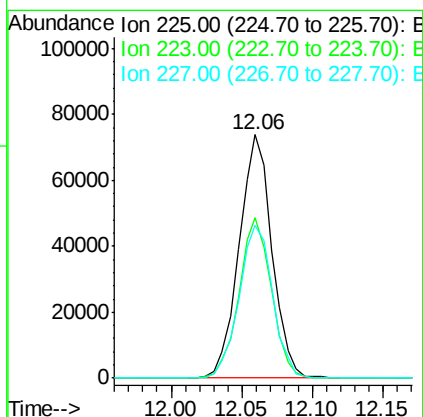
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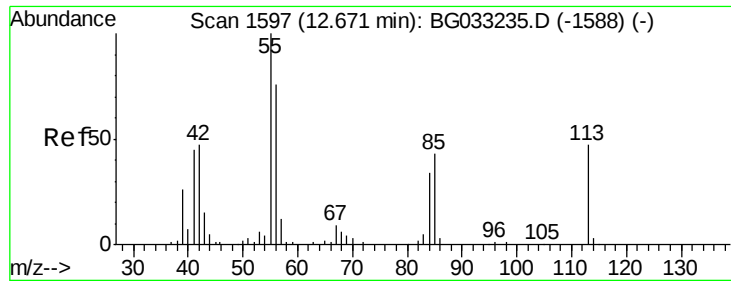
Sohil
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#34
Hexachlorobutadiene
Concen: 44.561 ng
RT: 12.06 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	49.7	74.5
227	62.7	48.1	72.1





#35

Caprolactam

Concen: 40.870 ng

RT: 12.66 min Scan# 1595

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

ClientSampleId :

BU-03-032618MSD

Tot Ion:113 Resp: 43806

Ion Ratio Lower Upper

113 100

55 187.8 186.9 226.9

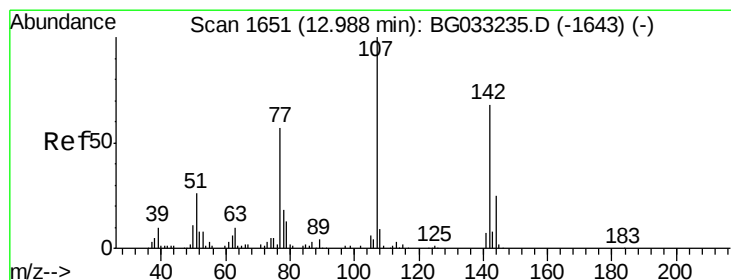
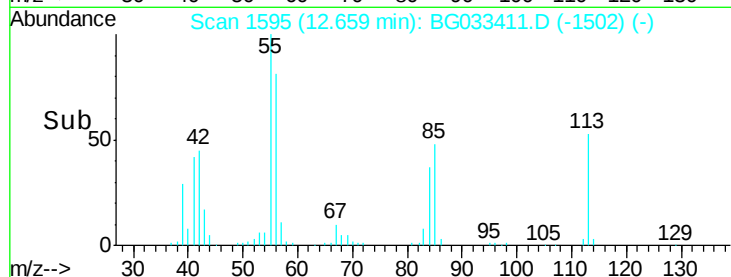
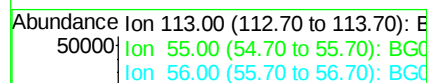
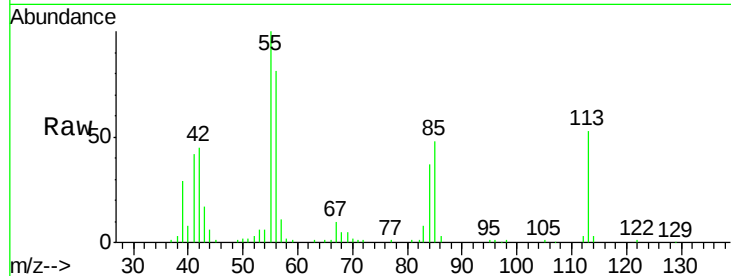
56 151.3 130.9 170.9

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#36

4-Chloro-3-methylphenol

Concen: 54.836 ng

RT: 12.97 min Scan# 1648

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

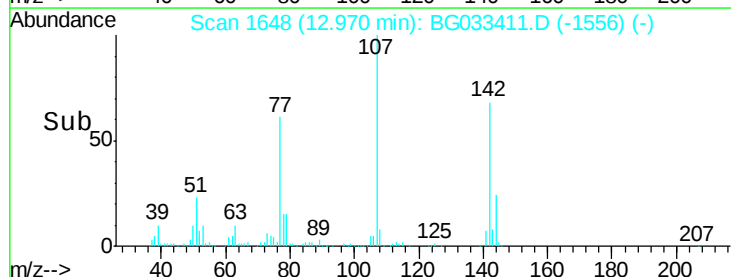
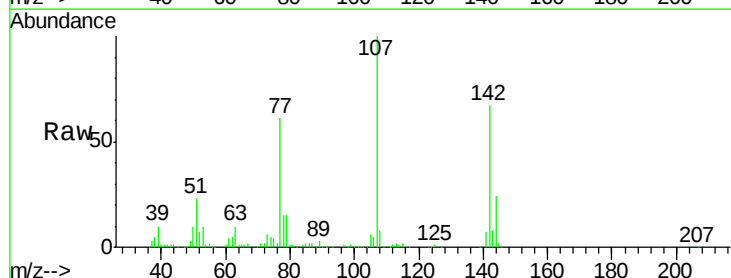
Tgt Ion:107 Resp: 195673

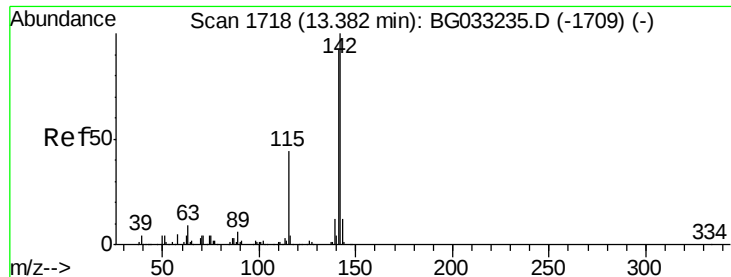
Ion Ratio Lower Upper

107 100

144 23.6 18.2 27.4

142 67.5 59.0 88.4





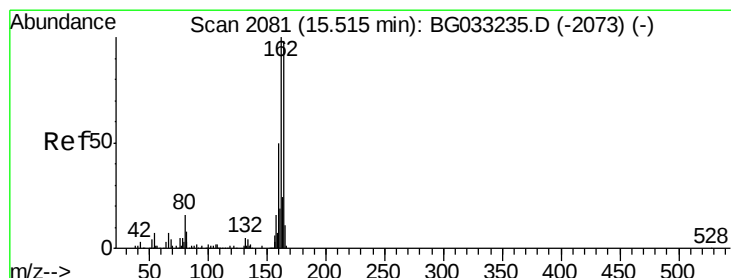
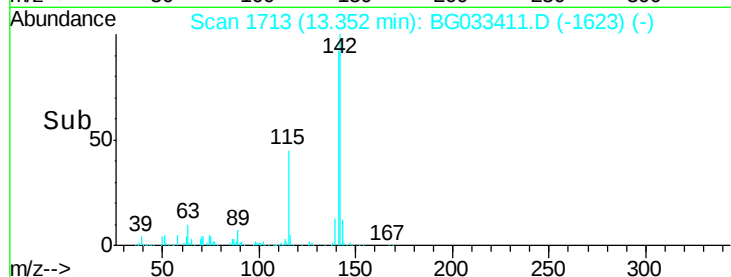
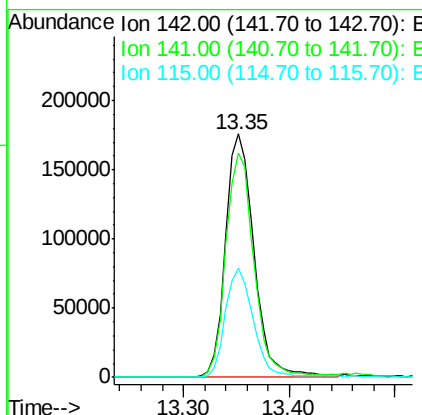
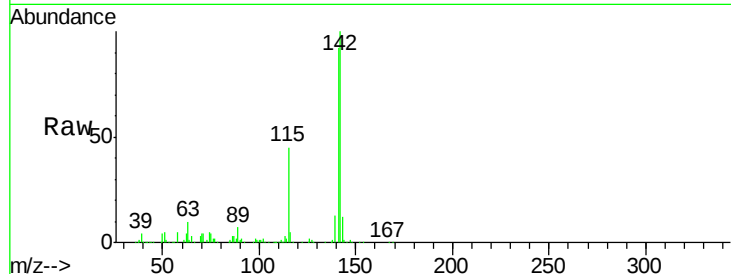
#37
2-Methylnaphthalene
Concen: 46.988 ng
RT: 13.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	328140		
141	92.2	67.1	100.7	
115	44.8	30.7	46.1	

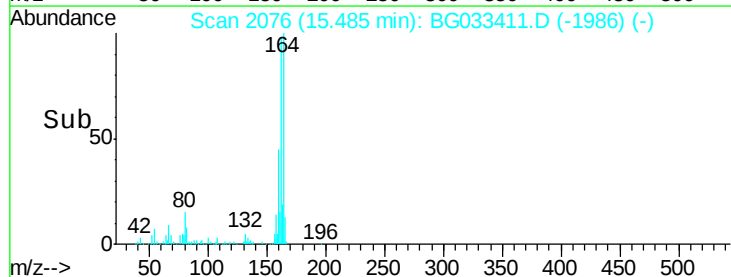
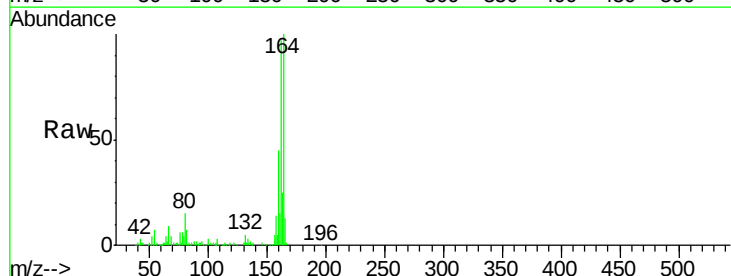
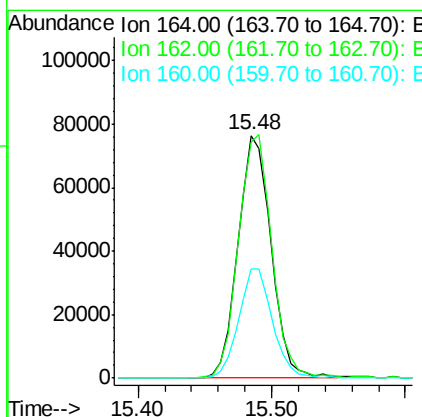
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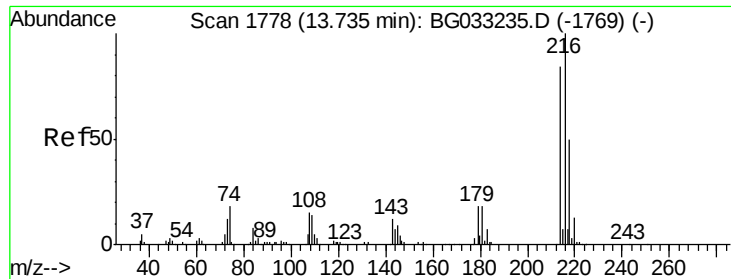
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.48 min Scan# 2076
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	130923		
162	97.2	78.8	118.2	
160	44.8	35.4	53.0	





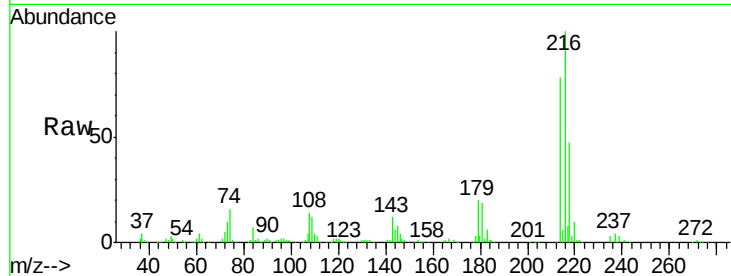
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 46.439 ng
 RT: 13.70 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

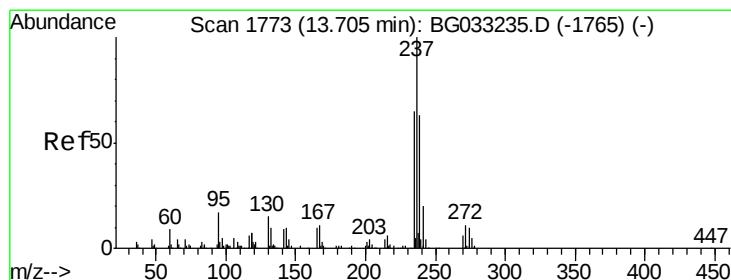
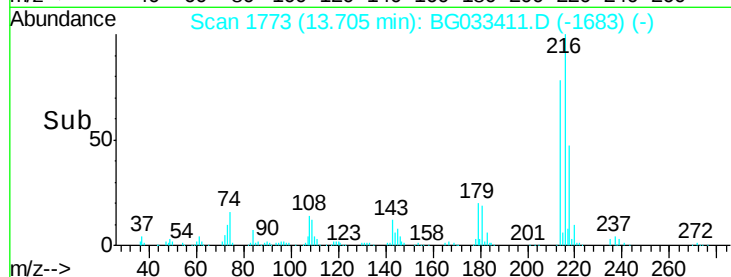
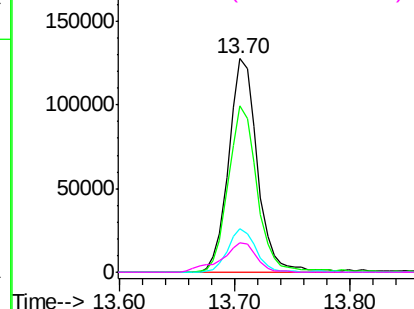
Tot Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.0	63.0	94.4	
179	19.7	17.0	25.6	
108	16.9	12.8	19.2	

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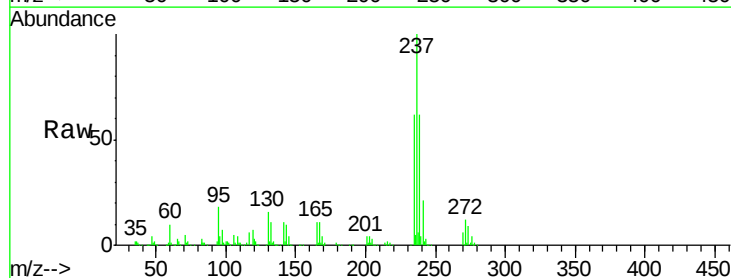


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

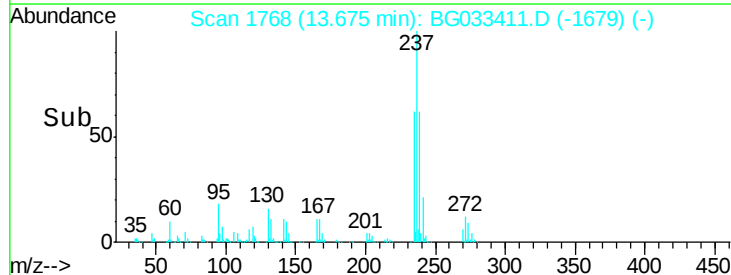
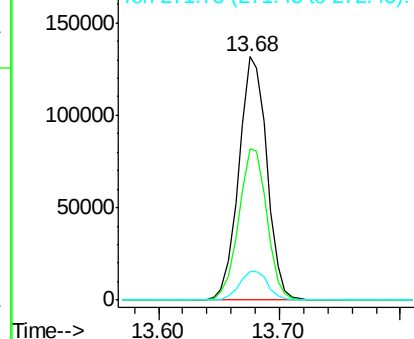


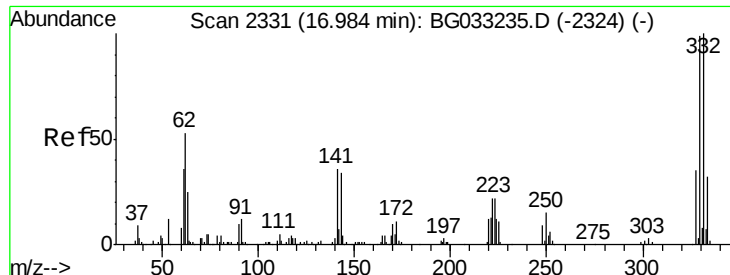
#40
 Hexachlorocyclopentadiene
 Concen: 76.506 ng
 RT: 13.68 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.3	50.4	90.4	
272	11.7	0.0	31.8	



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





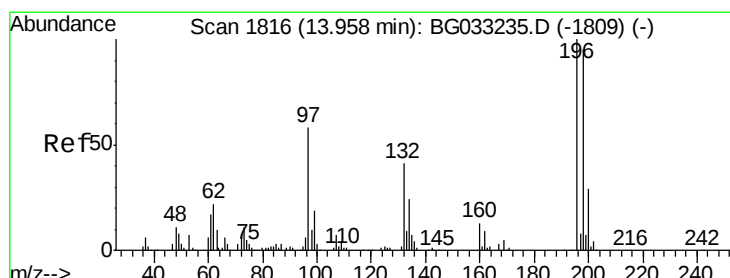
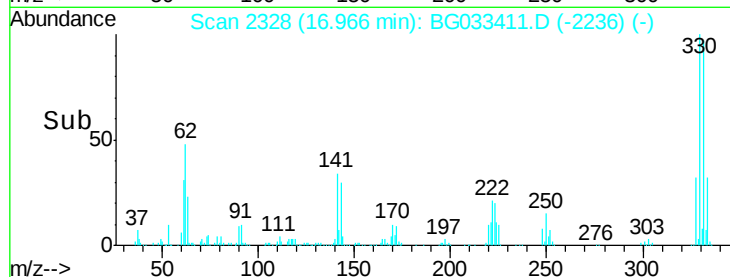
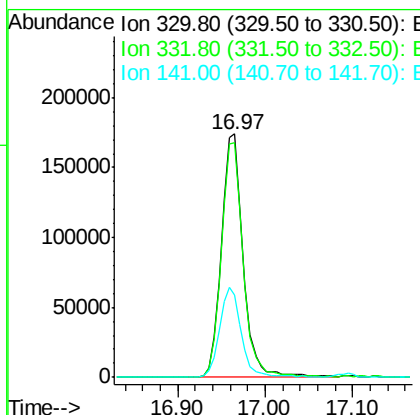
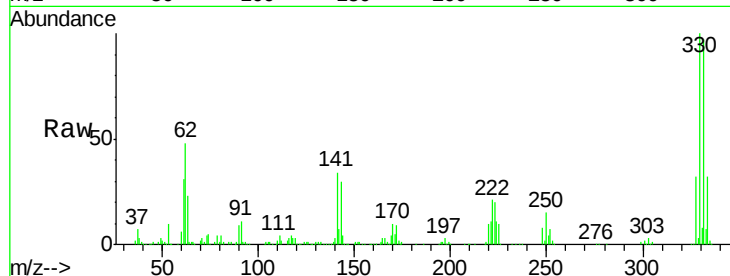
#41
 2,4,6-Tribromophenol
 Concen: 152.680 ng
 RT: 16.97 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	298963		
332	97.3	77.0	115.6	
141	36.8	25.2	37.8	

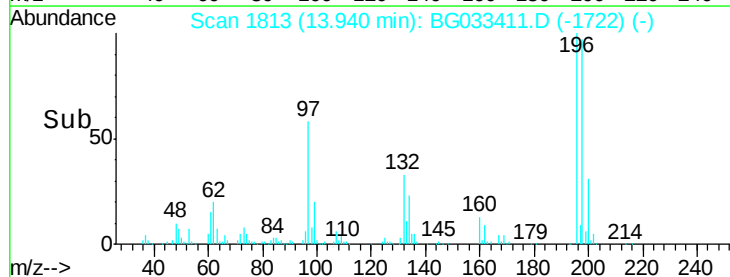
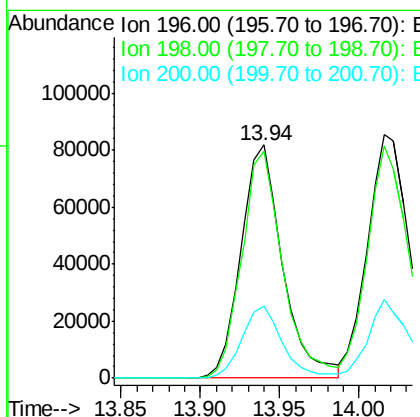
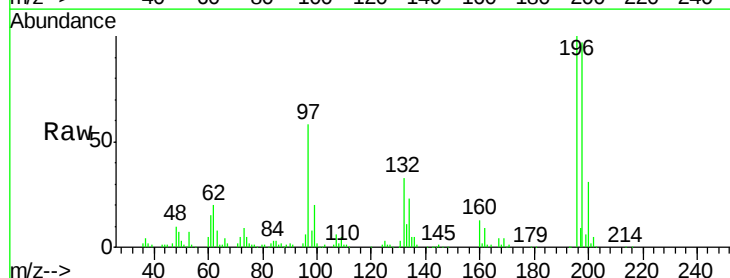
Manual Integrations
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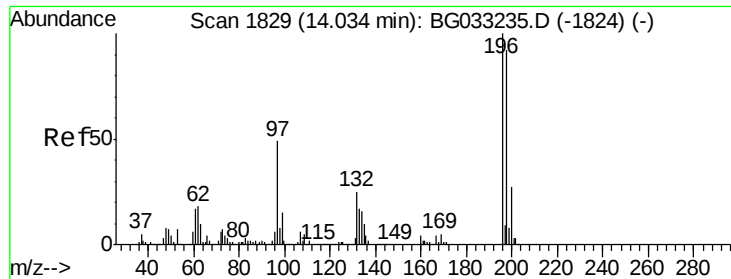
Sohil
 3/29/2018 5:39:20 PM



#42
 2,4,6-Trichlorophenol
 Concen: 54.212 ng
 RT: 13.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	149372		
198	97.4	78.2	117.2	
200	31.2	24.6	36.8	





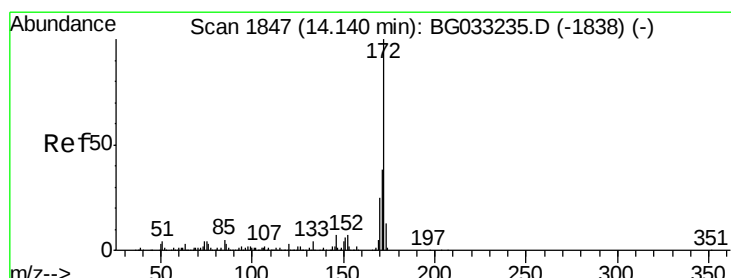
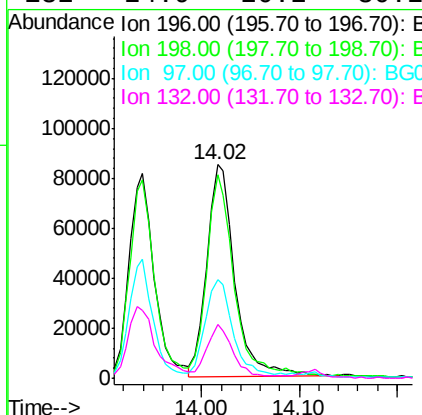
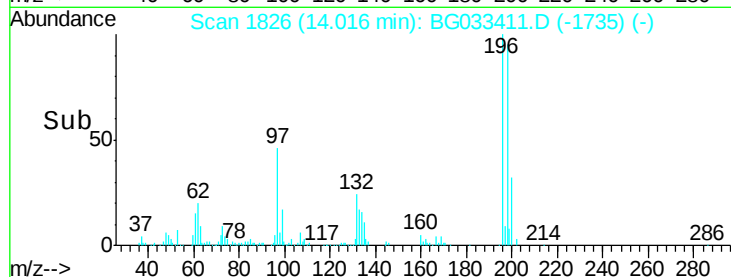
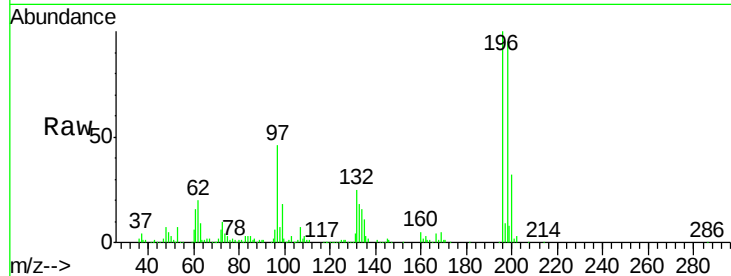
#43
 2,4,5-Trichlorophenol
 Concen: 51.618 ng
 RT: 14.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		168110		
198	95.1	76.2	114.4		
97	46.3	38.7	58.1		
132	24.9	20.2	30.2		

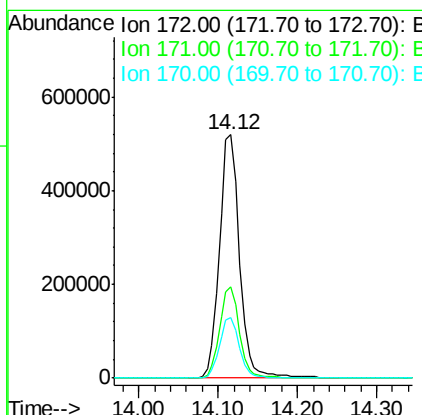
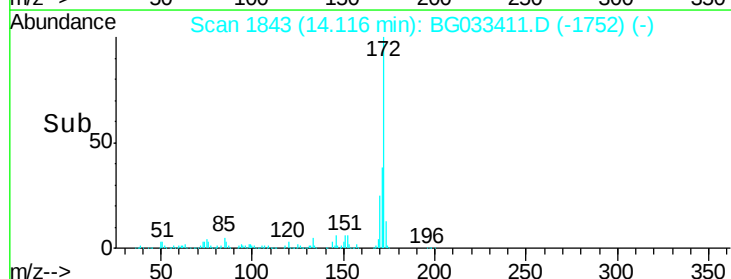
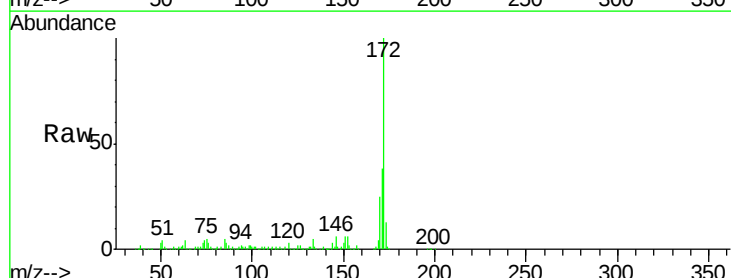
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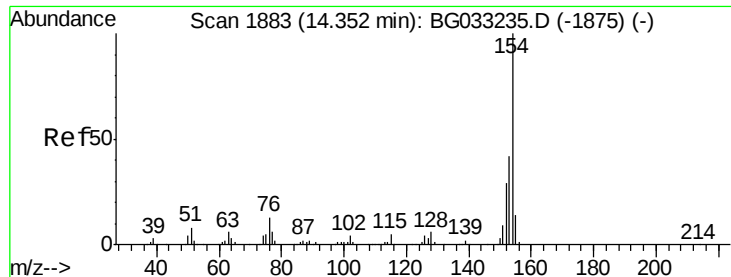
Sohil
 3/29/2018 5:39:20 PM



#44
 2-Fluorobiphenyl
 Concen: 100.621 ng
 RT: 14.12 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		912533		
171	37.7	30.0	45.0		
170	25.1	19.5	29.3		





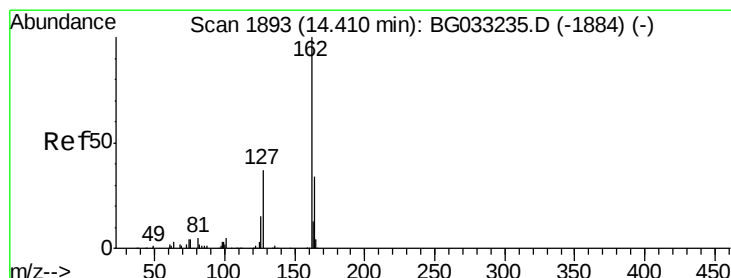
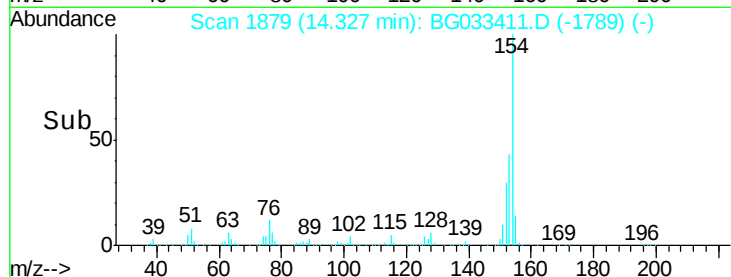
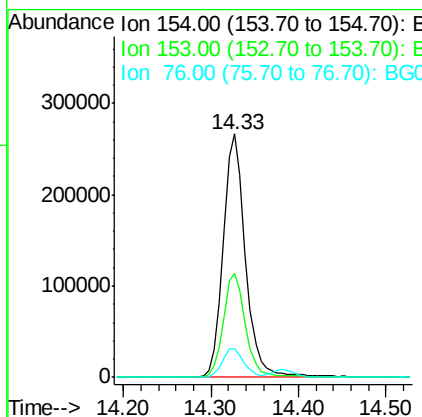
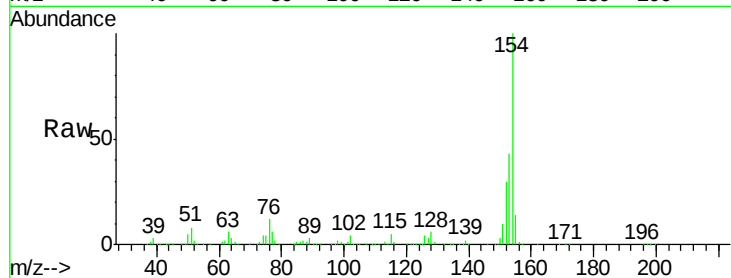
#45
 1,1'-Biphenyl
 Concen: 46.542 ng
 RT: 14.33 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.9	19.8	59.8
76	11.5	0.0	31.9

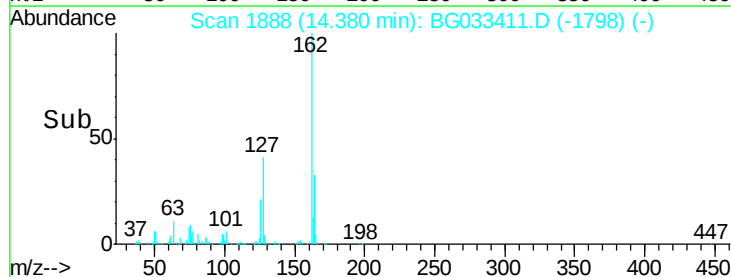
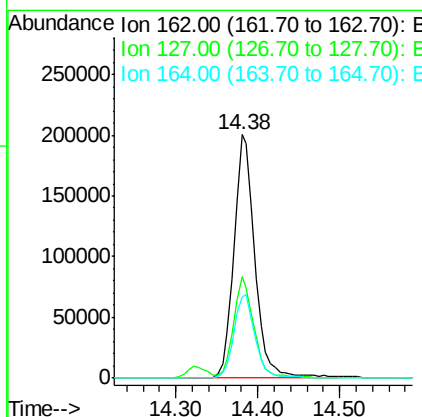
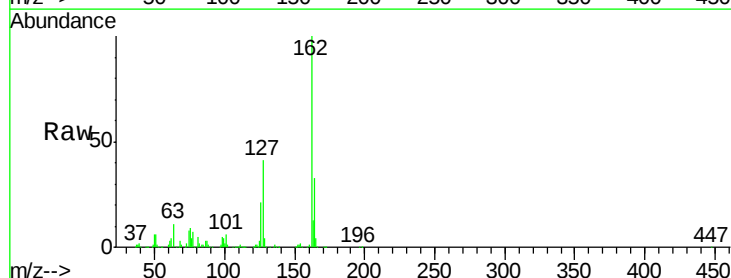
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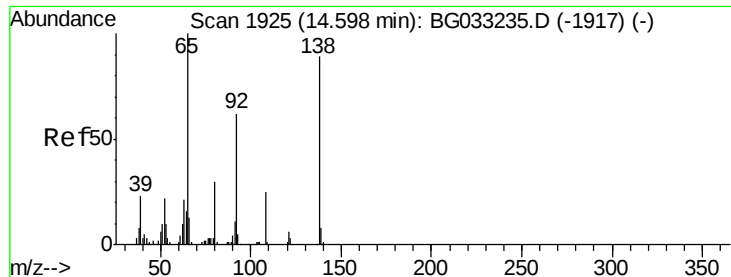
Sohil
 3/29/2018 5:39:20 PM



#46
 2-Chloronaphthalene
 Concen: 46.179 ng
 RT: 14.38 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
162	100		
127	41.4	30.7	46.1
164	33.1	26.0	39.0





#47

2-Nitroaniline

Concen: 50.079 ng

RT: 14.57 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

ClientSampleId :

BU-03-032618MSD

Tot Ion: 65 Resp: 145476

Ion Ratio Lower Upper

65 100

92 64.9 54.6 82.0

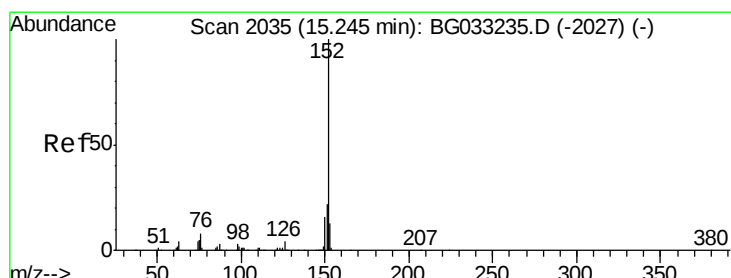
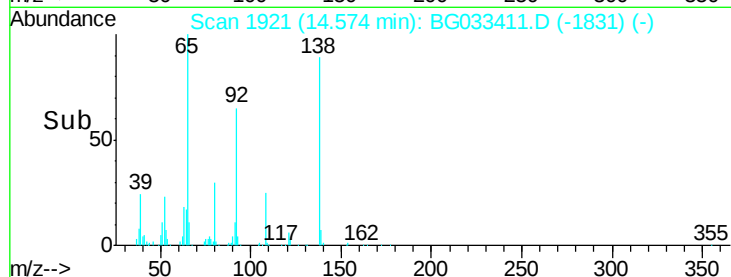
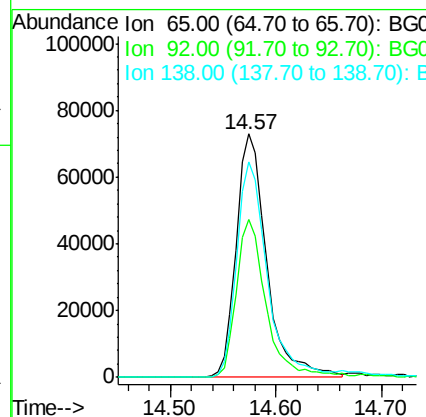
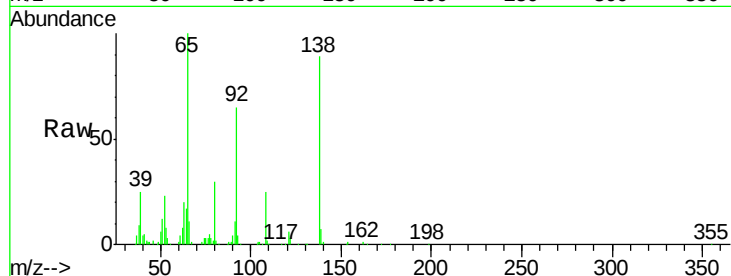
138 88.5 72.9 109.3

Manual Integrations

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#48

Acenaphthylene

Concen: 45.349 ng

RT: 15.21 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

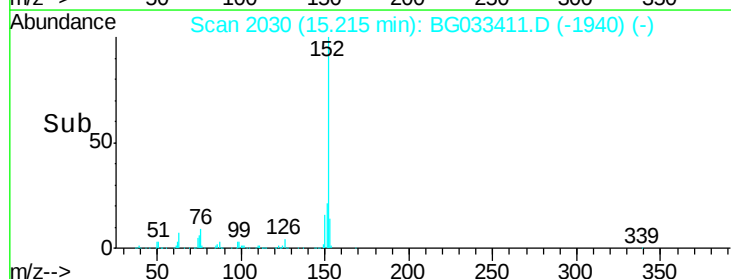
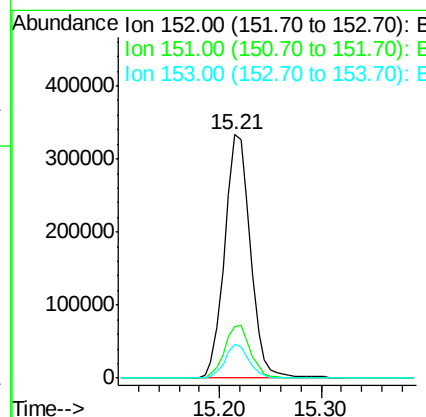
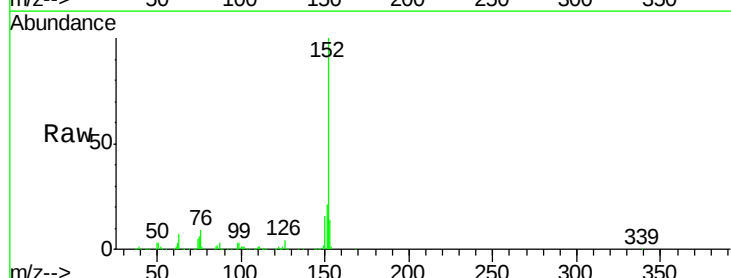
Tgt Ion: 152 Resp: 587069

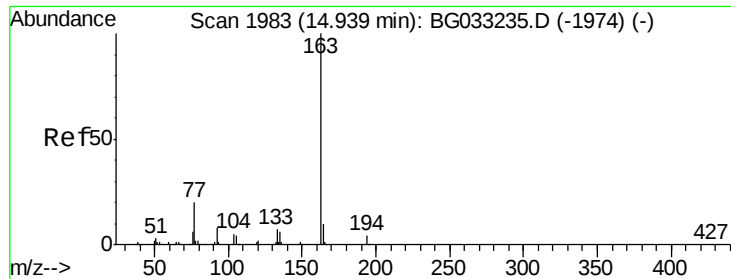
Ion Ratio Lower Upper

152 100

151 21.3 17.2 25.8

153 13.8 10.2 15.4





#49

Dimethylphthalate

Concen: 46.882 ng

RT: 14.91 min Scan# 1979

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

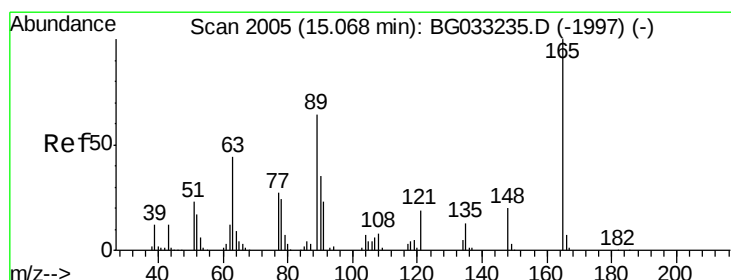
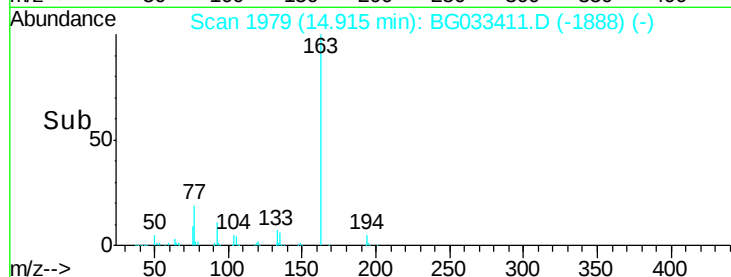
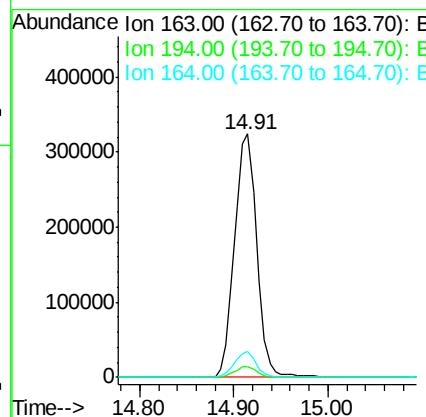
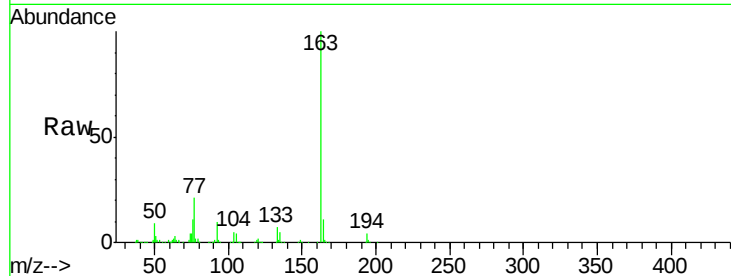
ClientSampleId :

BU-03-032618MSD

Tot Ion:	163	Resp:	534165
Ion Ratio		Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.5	8.2	12.4

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#50

2,6-Dinitrotoluene

Concen: 50.901 ng

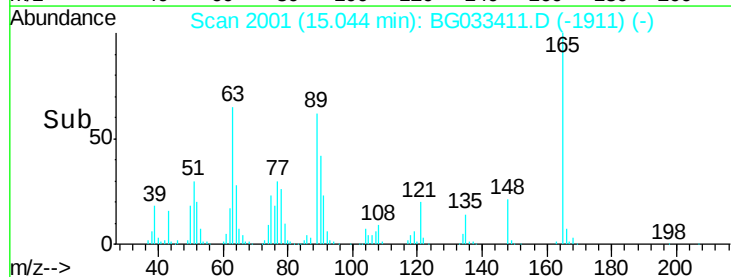
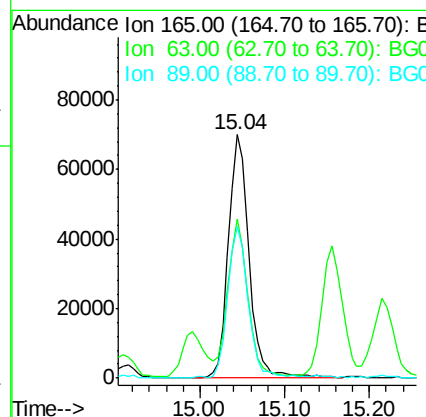
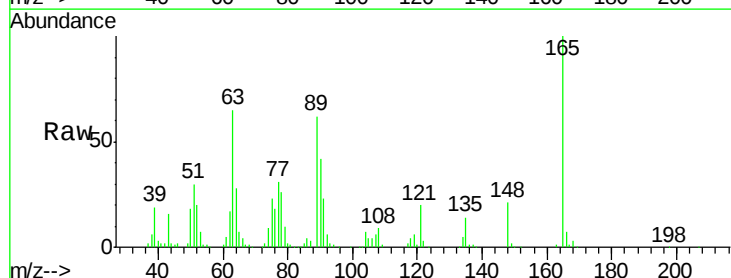
RT: 15.04 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion:	165	Resp:	118586
Ion Ratio		Lower	Upper
165	100		
63	65.2	52.7	79.1
89	62.4	49.2	73.8





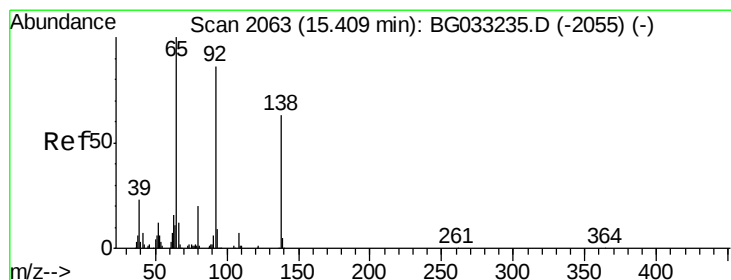
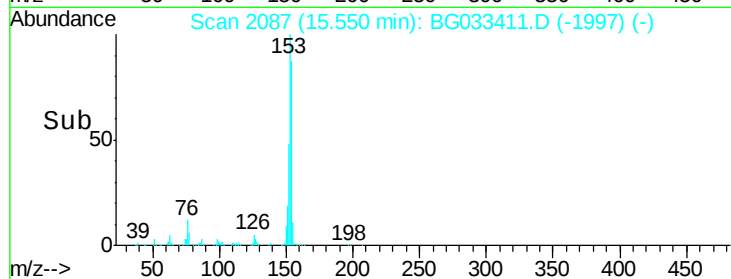
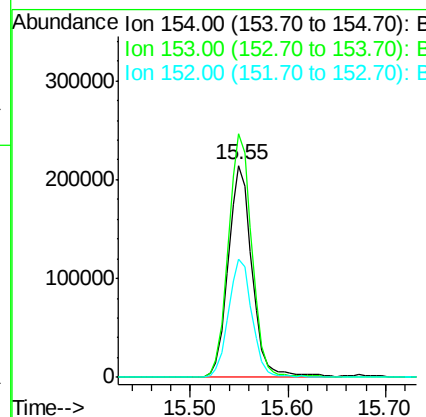
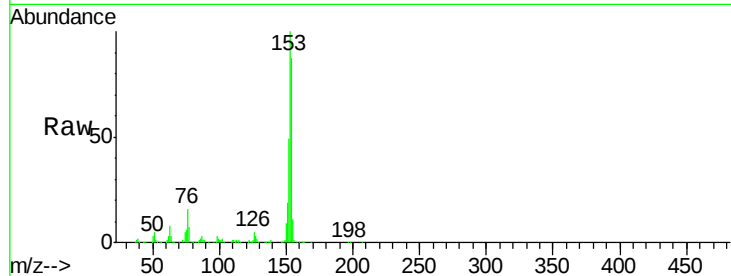
#51
Acenaphthene
Concen: 43.485 ng
RT: 15.55 min Scan# 2087
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.4	135.6
152	55.8	41.6	62.4

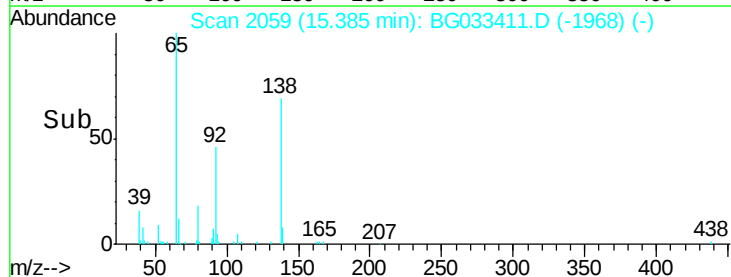
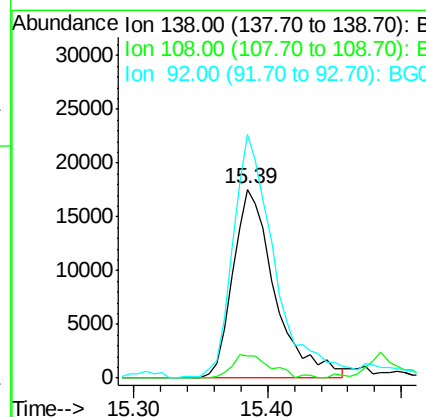
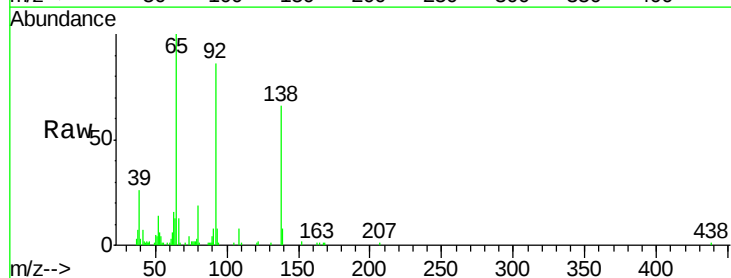
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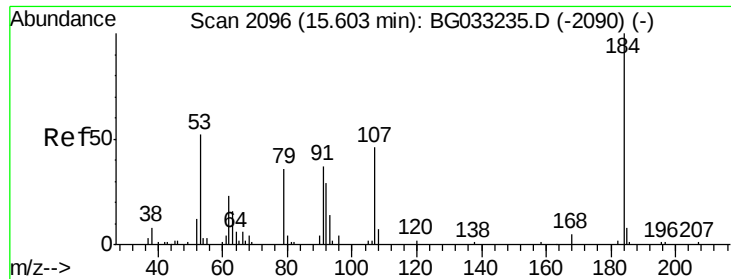
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#52
3-Nitroaniline
Concen: 15.672 ng
RT: 15.39 min Scan# 2059
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.0	17.5	26.3#
92	129.0	105.8	158.8





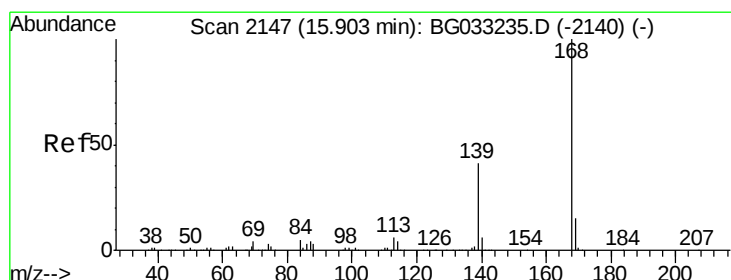
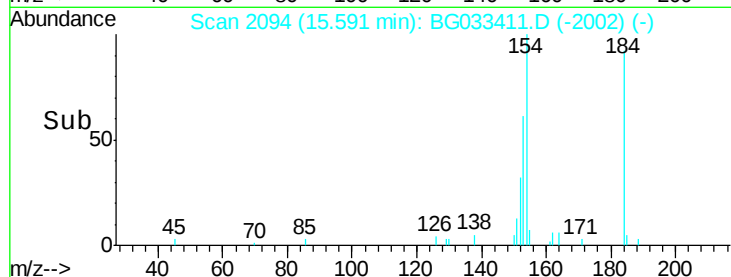
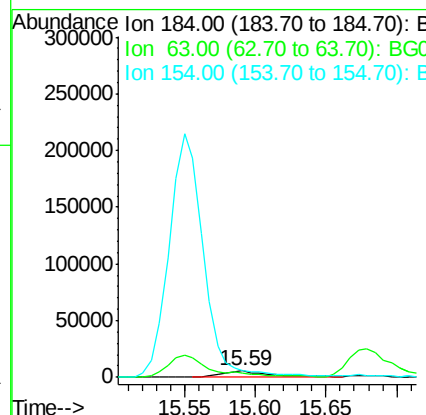
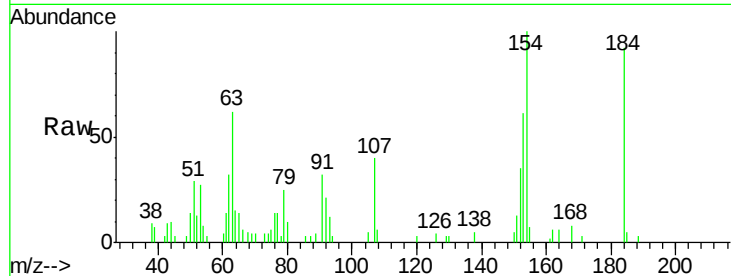
#53
2,4-Dinitrophenol
Concen: 18.327 ng
RT: 15.59 min Scan# 2094
Delta R.T. 0.01 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
184	100		14251		
63	67.1	59.8	89.8		
154	109.1	101.8	152.8		

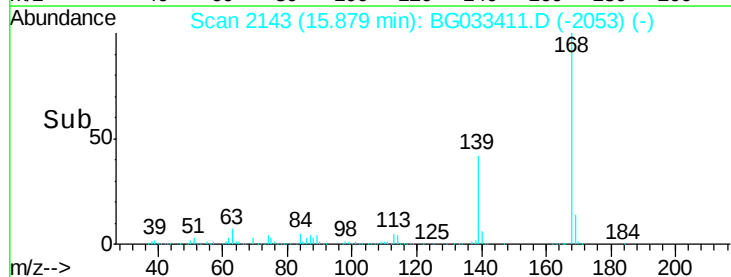
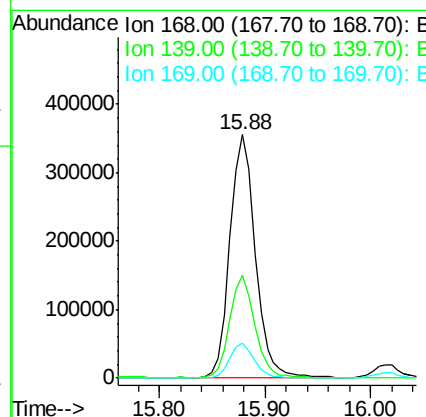
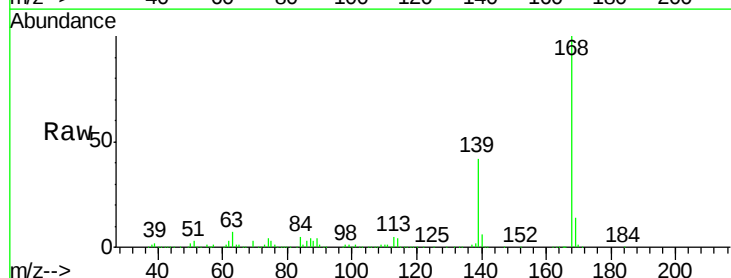
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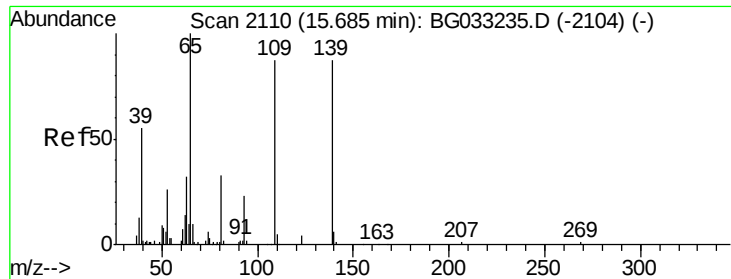
Sohil
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#54
Dibenzofuran
Concen: 48.296 ng
RT: 15.88 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
168	100		595340		
139	42.2	28.6	43.0		
169	14.2	11.2	16.8		





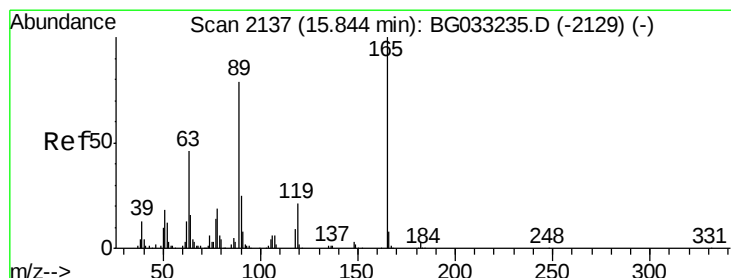
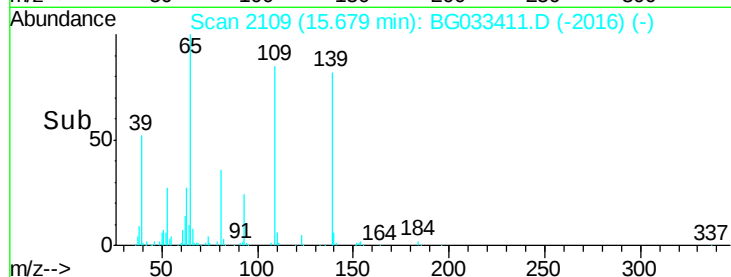
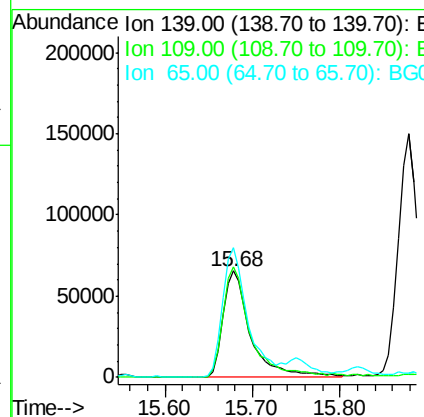
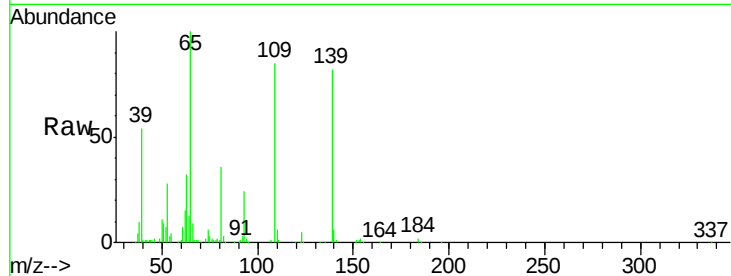
#55
4-Nitrophenol
Concen: 83.148 ng
RT: 15.68 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	103.8	62.2	102.2#
65	122.1	97.2	137.2

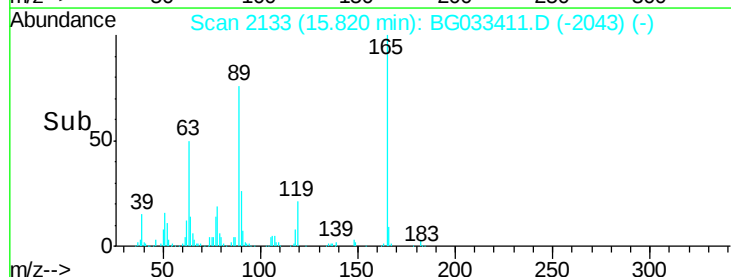
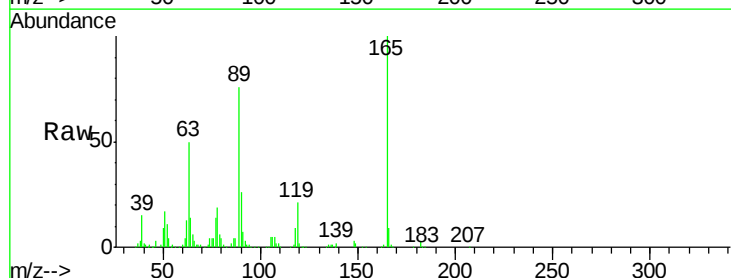
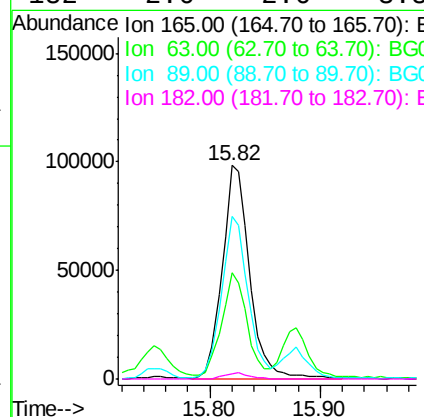
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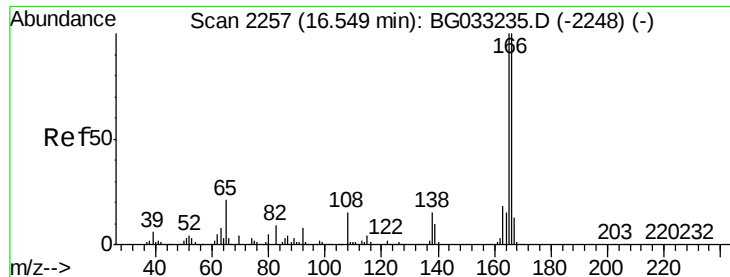
Sohil
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#56
2,4-Dinitrotoluene
Concen: 49.659 ng
RT: 15.82 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	49.7	42.0	63.0
89	76.1	66.9	100.3
182	2.6	2.6	3.8





#57

Fluorene

Concen: 47.494 ng

RT: 16.52 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

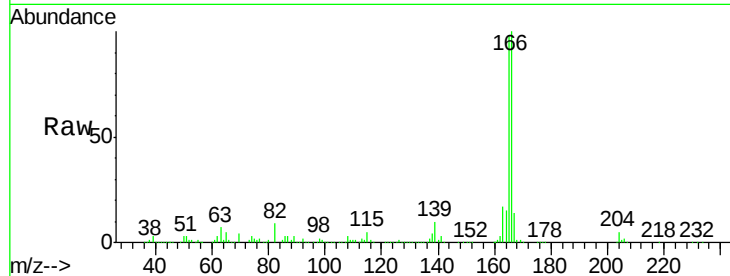
ClientSampleId :

BU-03-032618MSD

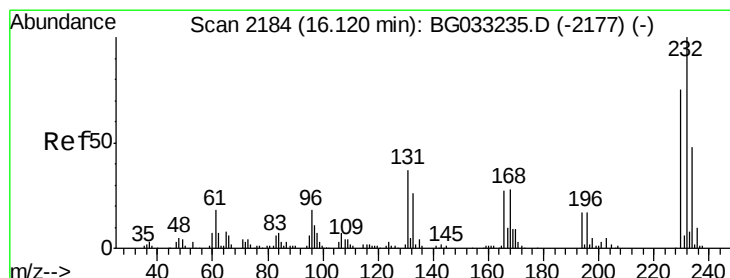
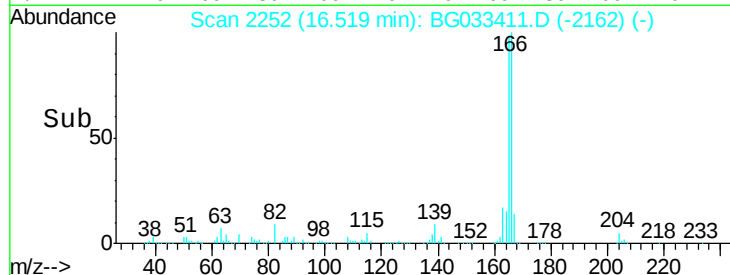
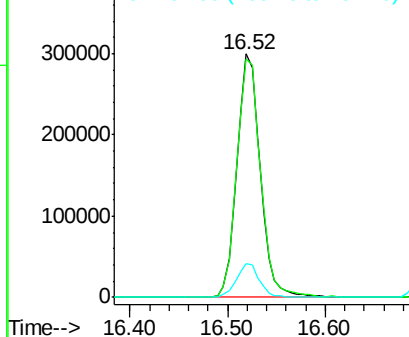
Tot Ion:	166	Resp:	498767
Ion Ratio	Lower	Upper	
166	100		
165	98.1	80.6	121.0
167	13.7	10.4	15.6

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 52.368 ng

RT: 16.10 min Scan# 2180

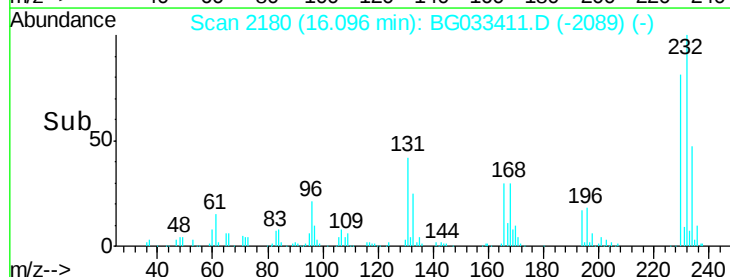
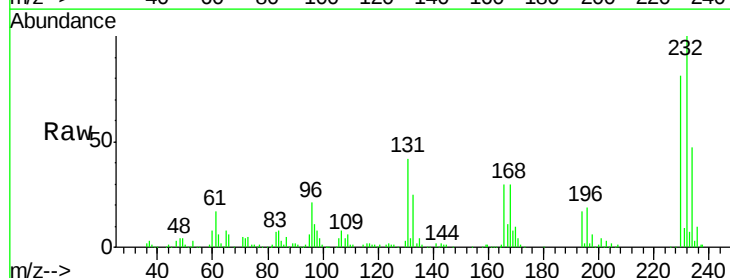
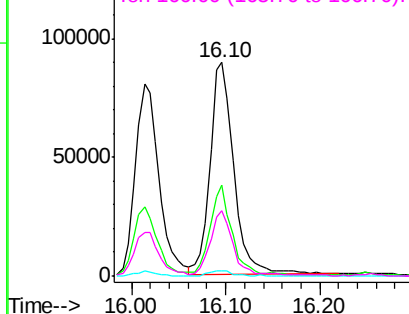
Delta R.T. 0.00 min

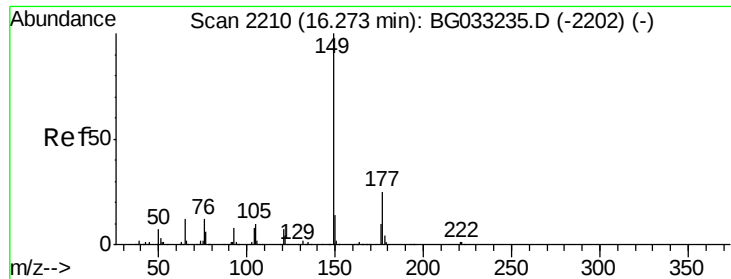
Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion:	232	Resp:	160560
Ion Ratio	Lower	Upper	
232	100		
131	35.9	33.5	50.3
130	2.7	2.2	3.2
166	28.0	24.8	37.2

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





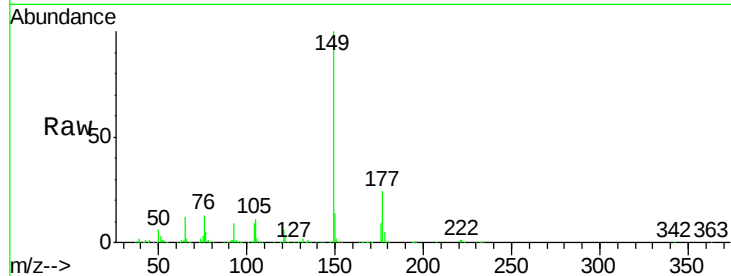
#59
Diethylphthalate
Concen: 48.094 ng
RT: 16.25 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	532093		
177	24.2		18.5	27.7
150	13.6		10.2	15.2

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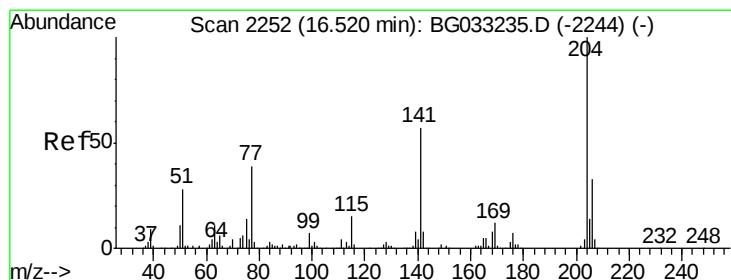
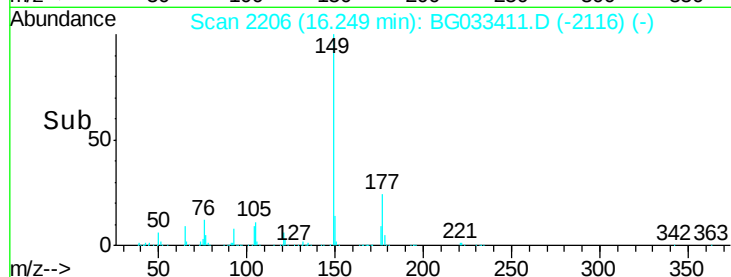
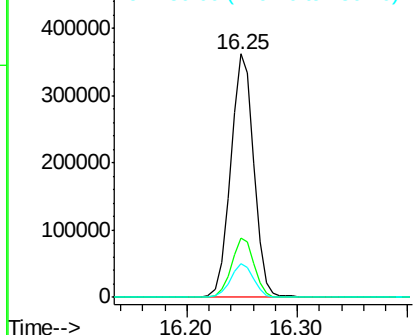


Abundance

Ion 149.00 (148.70 to 149.70): E

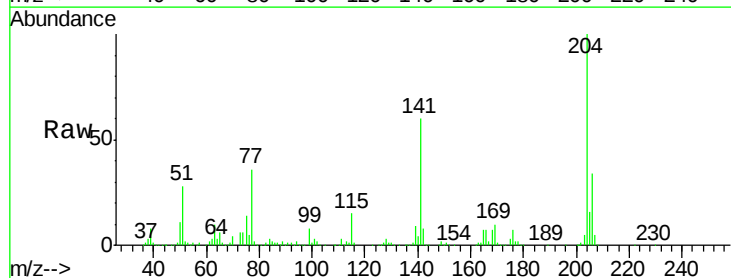
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60
4-Chlorophenyl-phenylether
Concen: 47.594 ng
RT: 16.50 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	287318		
206	33.5		26.2	39.2
141	60.1		45.8	68.6

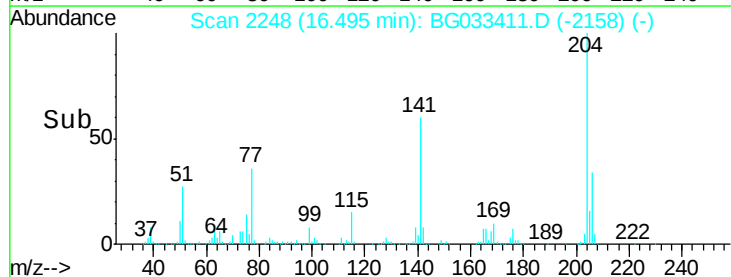
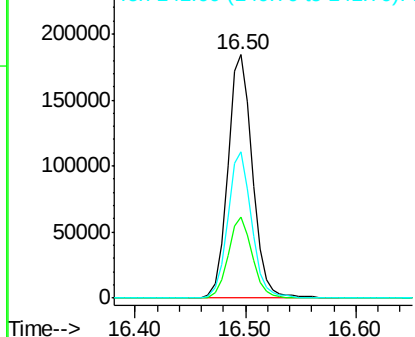


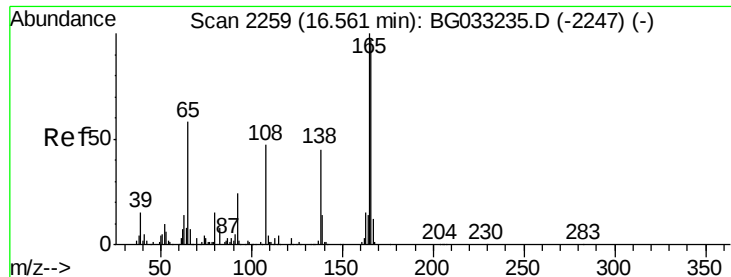
Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





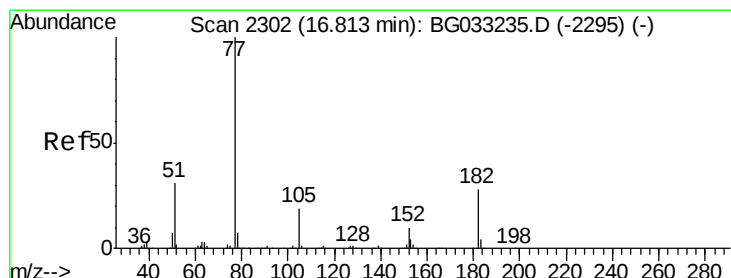
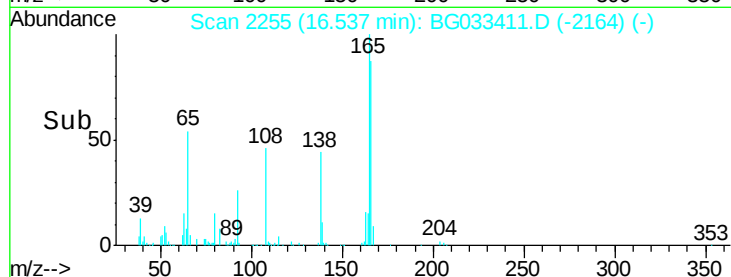
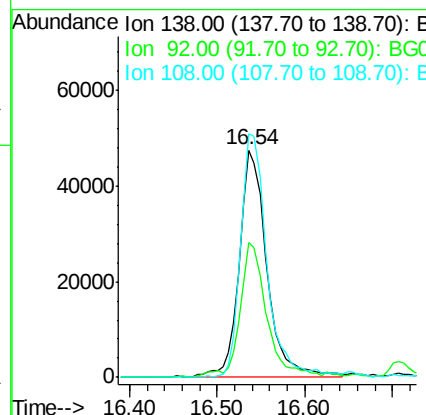
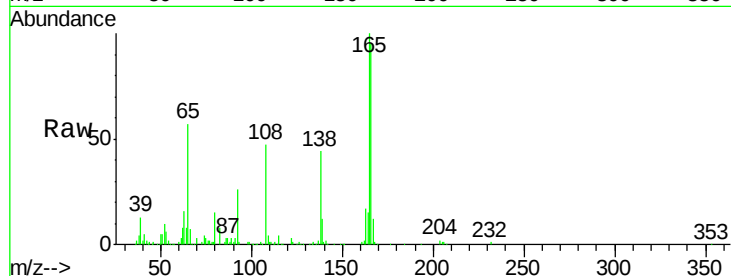
#61
4-Nitroaniline
Concen: 41.245 ng
RT: 16.54 min Scan# 2255
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	59.5	40.1	80.1
108	107.0	65.4	105.4

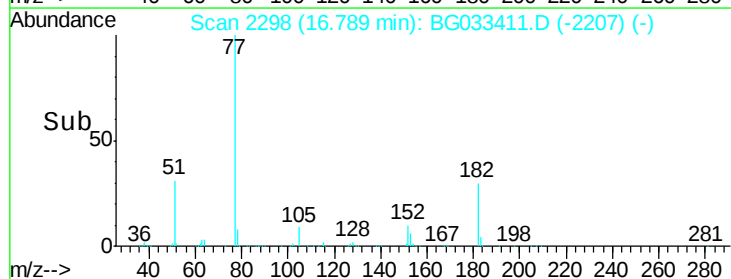
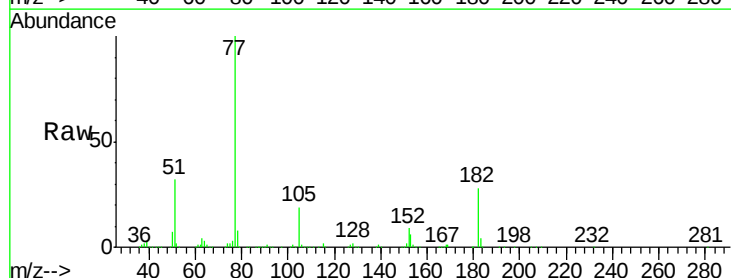
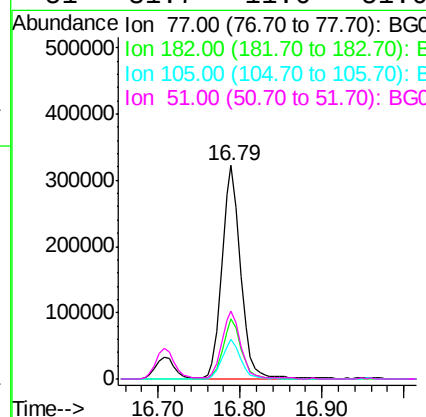
Manual Integrations
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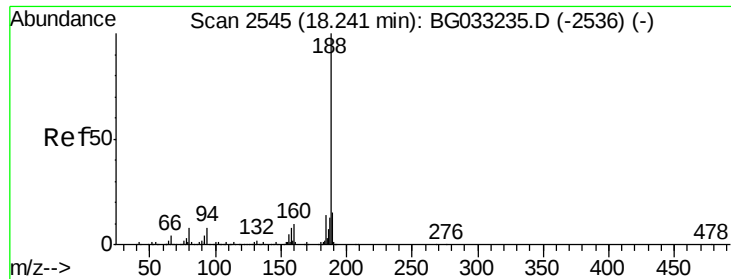
Sohil
3/29/2018 5:39:20 PM



#62
Azobenzene
Concen: 47.640 ng
RT: 16.79 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.1	7.4	47.4
105	18.6	0.3	40.3
51	31.7	11.6	51.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.22 min Scan# 2541

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

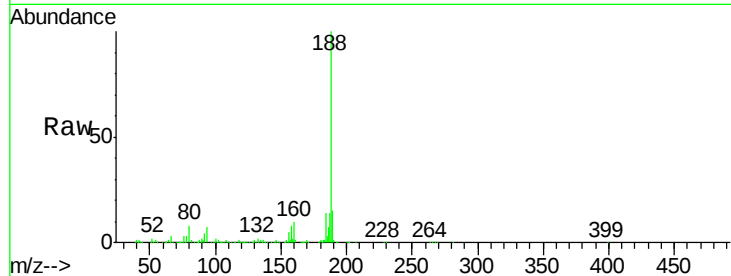
ClientSampleId :

BU-03-032618MSD

Tot Ion:	188	Resp:	330634
Ion Ratio	Lower	Upper	
188	100		
94	6.8	6.9	10.3#
80	7.9	7.7	11.5

Manual Integrations
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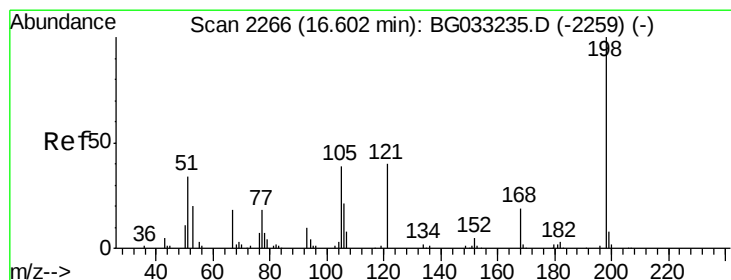
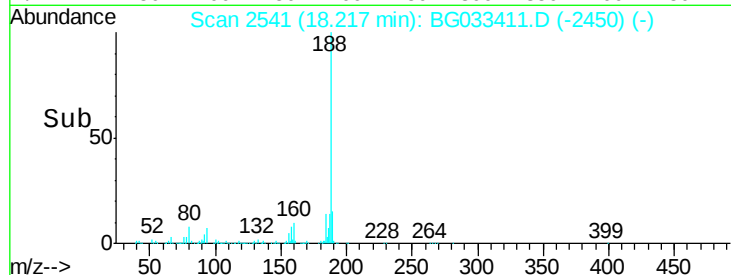
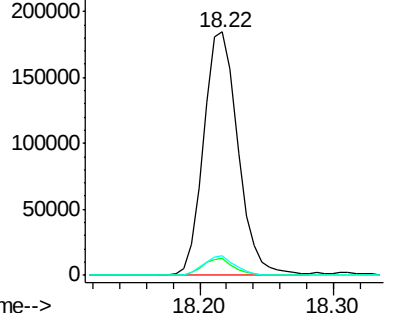
Sohil
3/29/2018 5:39:20 PM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 12.508 ng

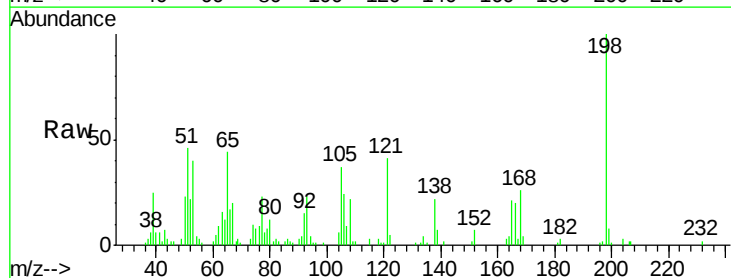
RT: 16.58 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

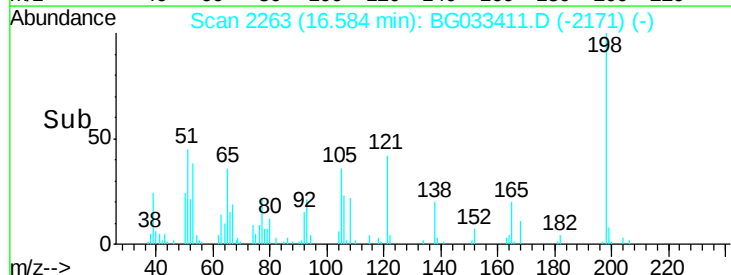
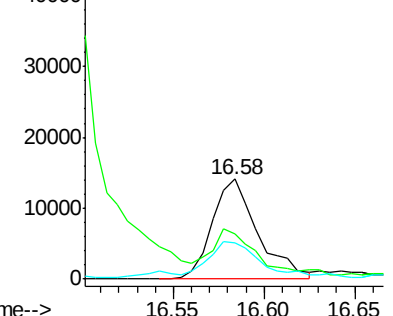
Tgt Ion:	198	Resp:	24740
Ion Ratio	Lower	Upper	
198	100		
51	45.7	30.6	70.6
105	37.0	23.8	63.8

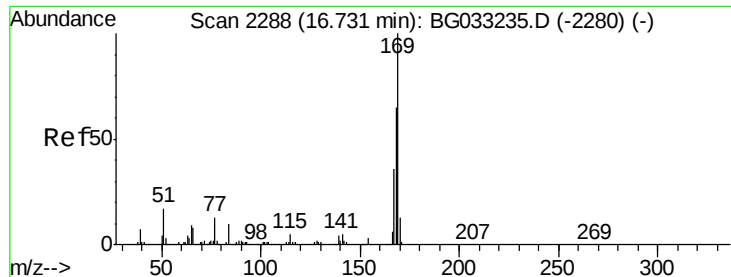


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.936 ng

RT: 16.71 min Scan# 2284

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

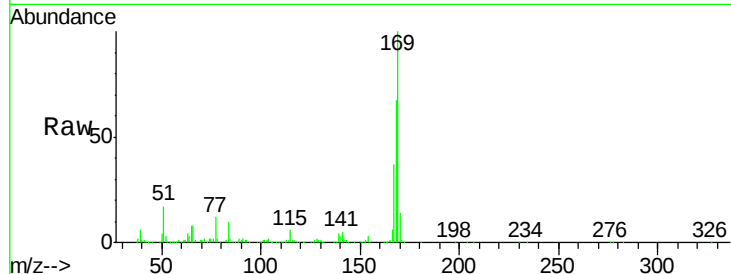
ClientSampleId :

BU-03-032618MSD

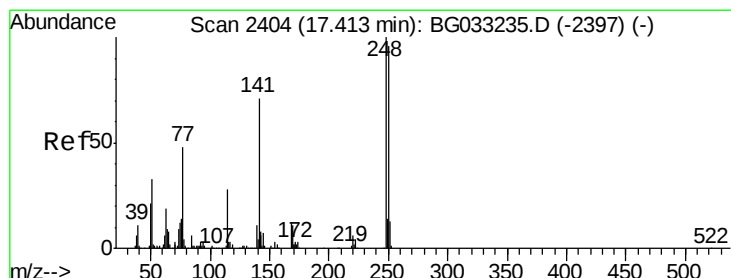
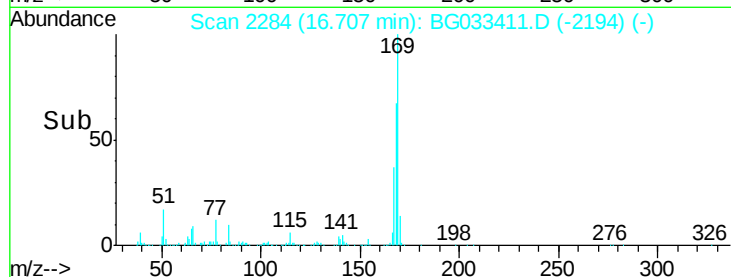
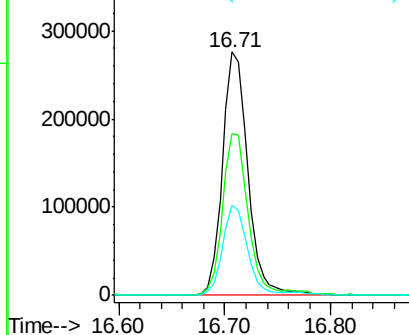
Tot Ion:	169	Resp:	461912
Ion Ratio	Lower	Upper	
169	100		
168	66.7	55.7	83.5
167	36.8	30.1	45.1

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: 49.940 ng

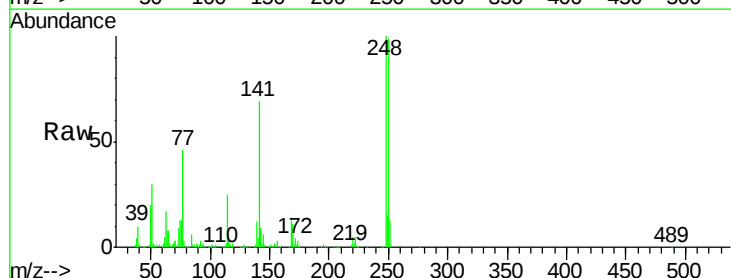
RT: 17.39 min Scan# 2400

Delta R.T. 0.00 min

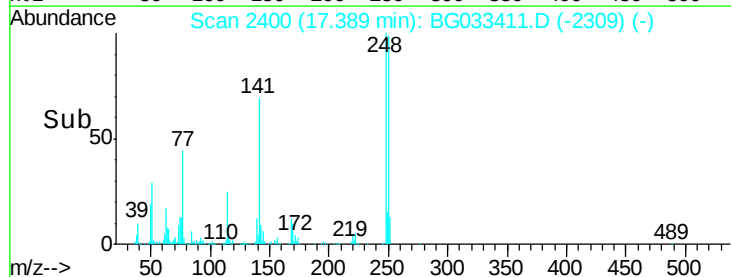
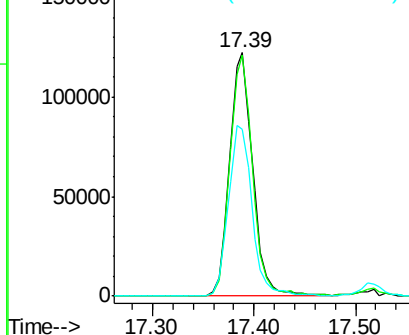
Lab File: BG033411.D

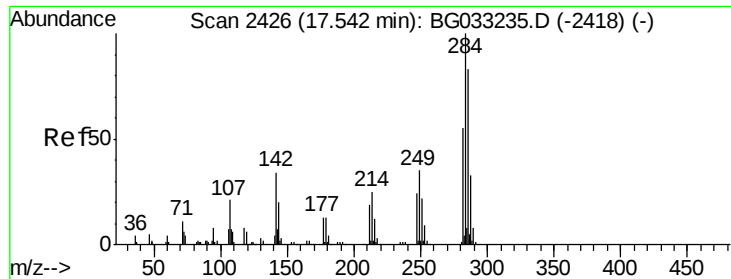
Acq: 29 Mar 2018 8:13

Tgt Ion:	248	Resp:	193915
Ion Ratio	Lower	Upper	
248	100		
250	99.2	77.1	115.7
141	68.7	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





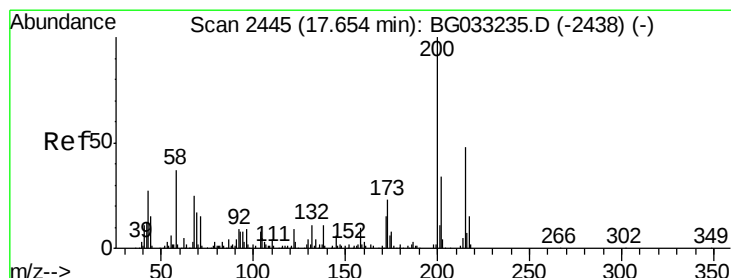
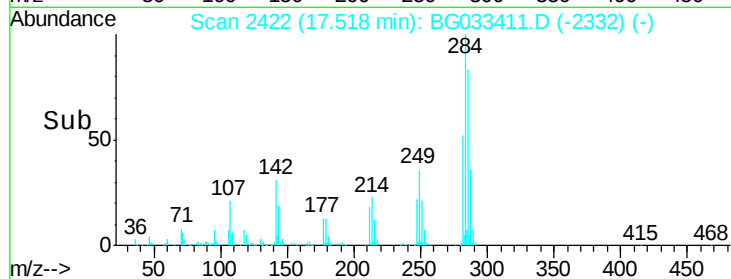
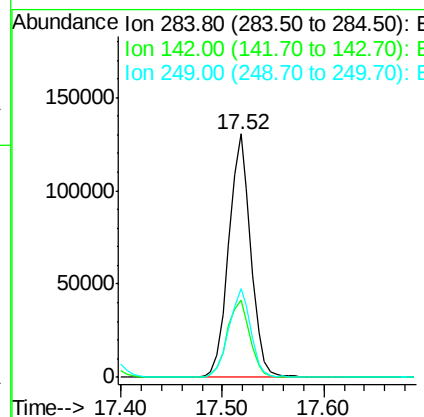
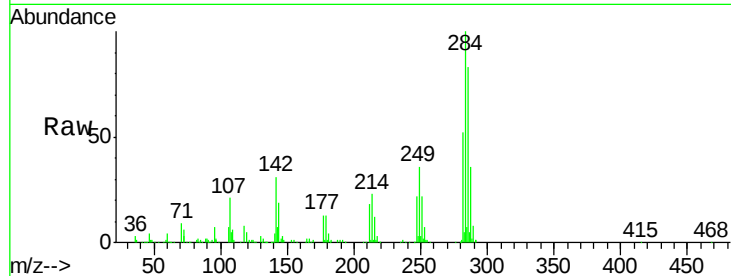
#67
Hexachlorobenzene
Concen: 47.899 ng
RT: 17.52 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	196289		
142	31.5	26.8	40.2	
249	36.3	26.3	39.5	

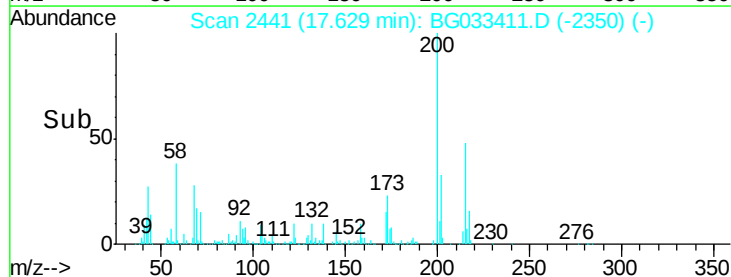
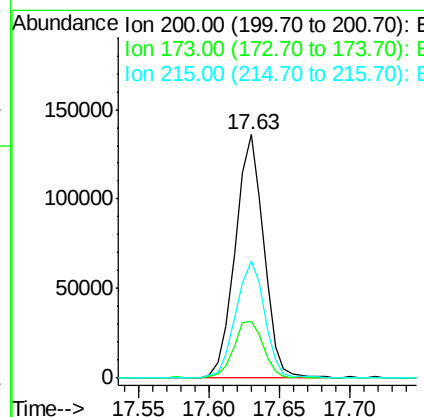
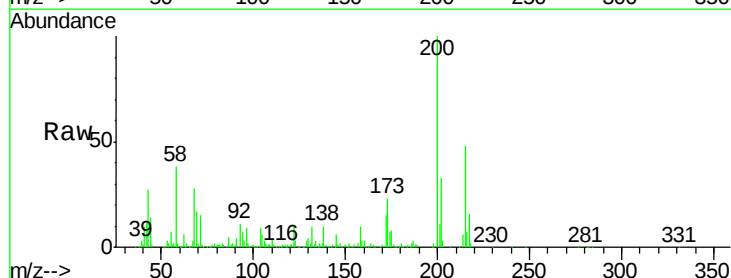
Manual Integrations
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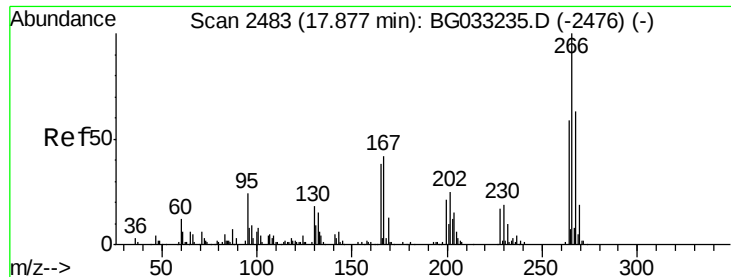
Sohil
3/29/2018 5:39:20 PM



#68
Atrazine
Concen: 50.246 ng
RT: 17.63 min Scan# 2441
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	192189		
173	23.2	5.2	45.2	
215	48.2	30.4	70.4	





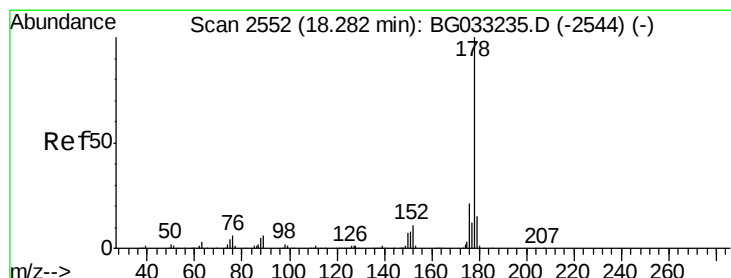
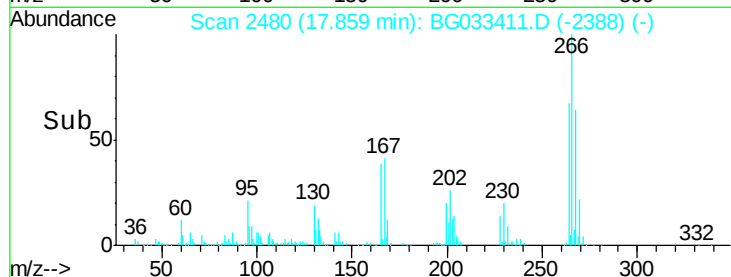
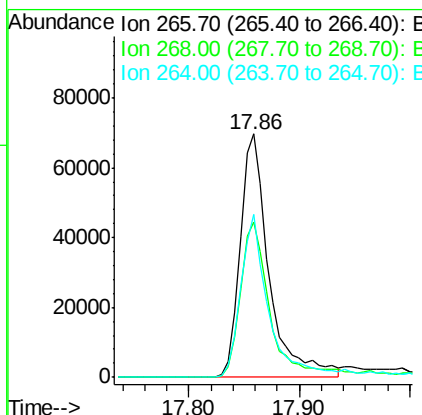
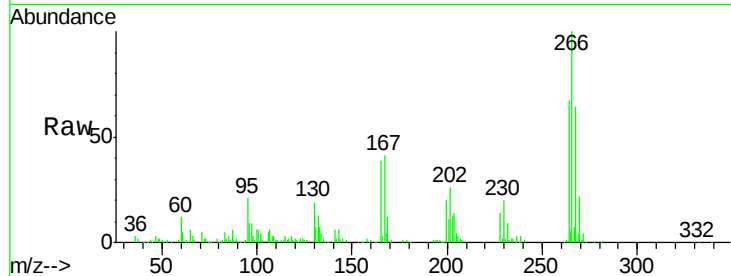
#69
 Pentachlorophenol
 Concen: 45.433 ng
 RT: 17.86 min Scan# 2480
 Delta R.T. 0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.1	76.7
264	66.8	49.6	74.4

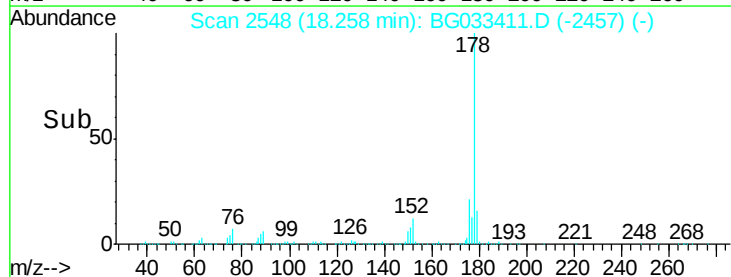
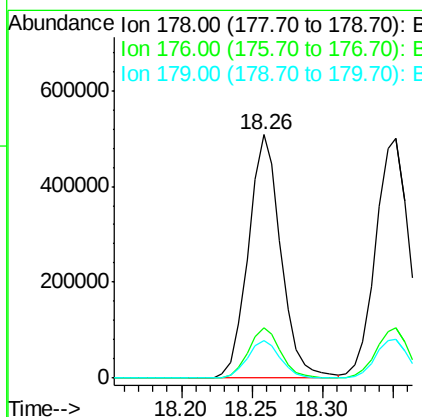
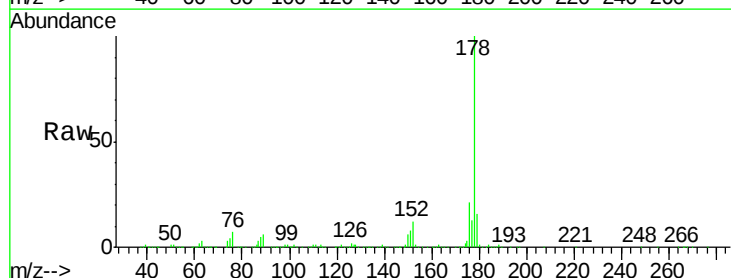
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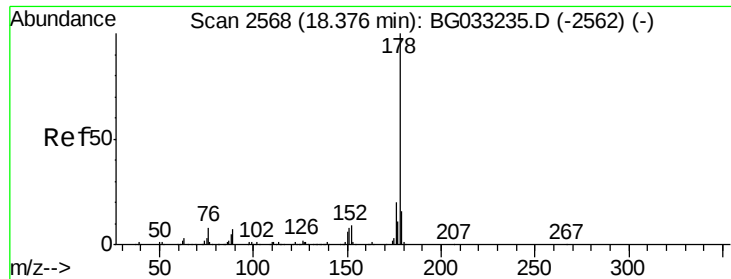
Sohil
 3/29/2018 5:39:20 PM



#70
 Phenanthrene
 Concen: 47.733 ng
 RT: 18.26 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.7	23.5
179	15.7	12.5	18.7





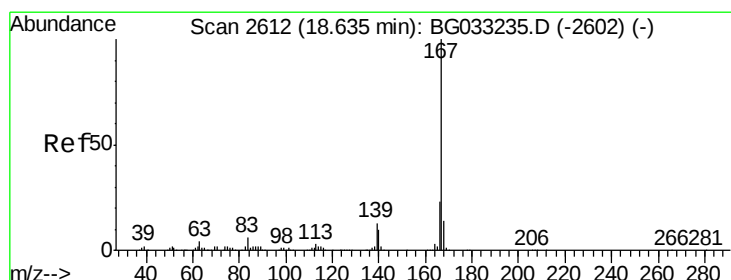
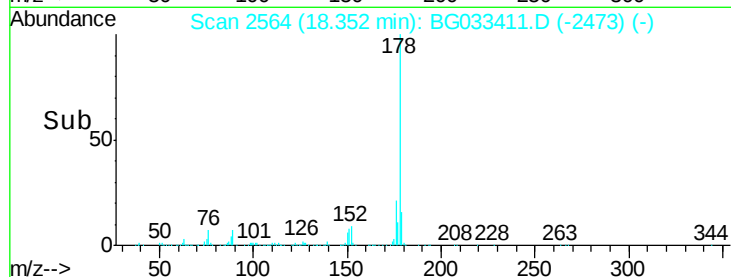
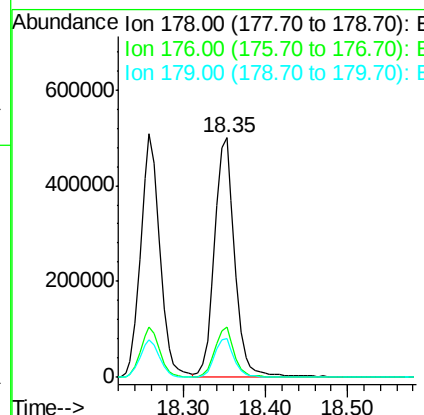
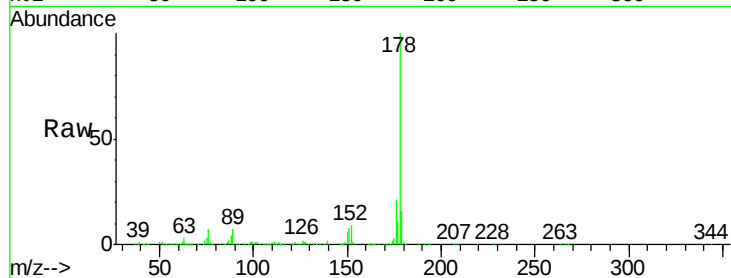
#71
 Anthracene
 Concen: 49.284 ng
 RT: 18.35 min Scan# 2564
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	16.0	24.0
179	16.3	12.5	18.7

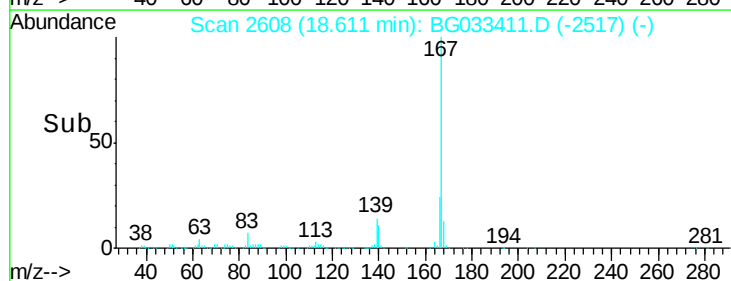
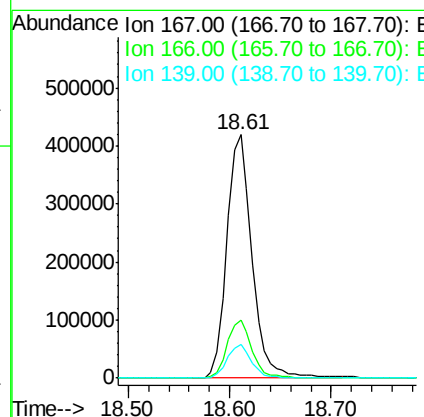
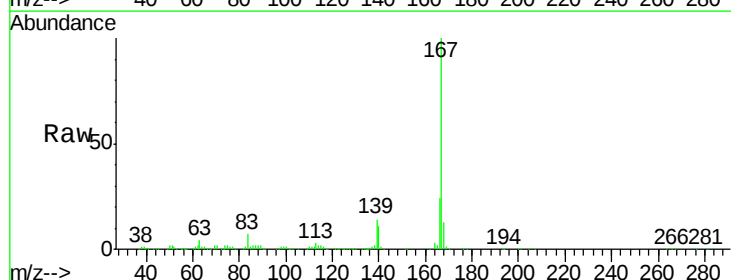
Manual Integrations
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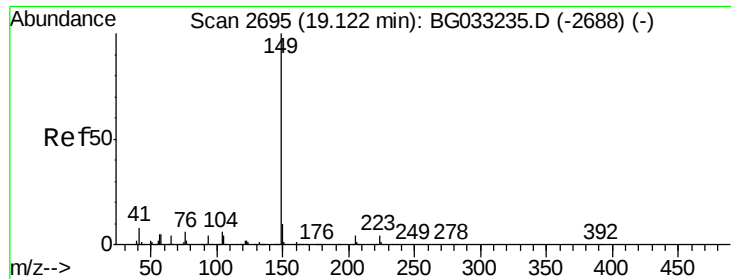
Sohil
 3/29/2018 5:39:20 PM



#72
 Carbazole
 Concen: 46.752 ng
 RT: 18.61 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.2	27.4
139	13.8	9.4	14.2





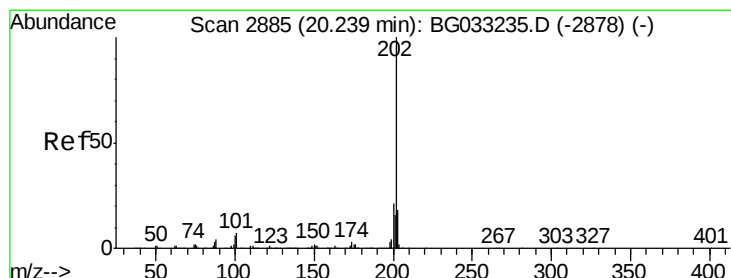
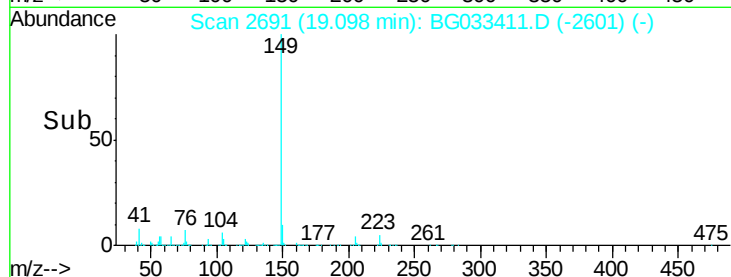
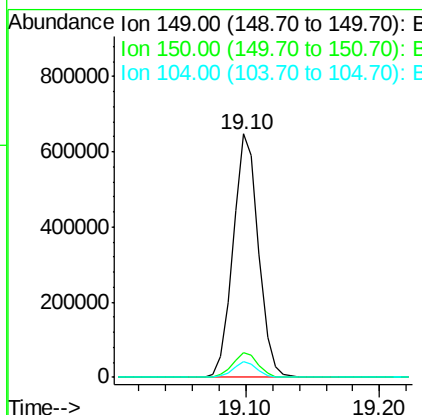
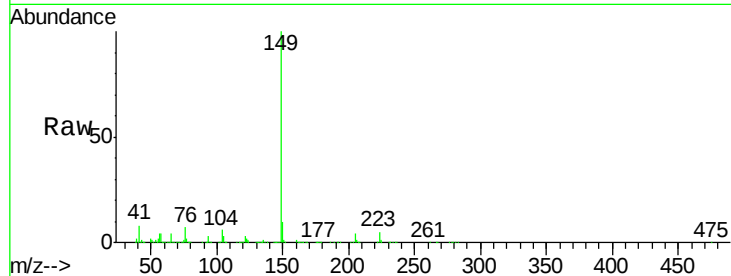
#73
Di-n-butylphthalate
Concen: 47.666 ng
RT: 19.10 min Scan# 2691
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.8	11.6
104	6.4	3.9	5.9

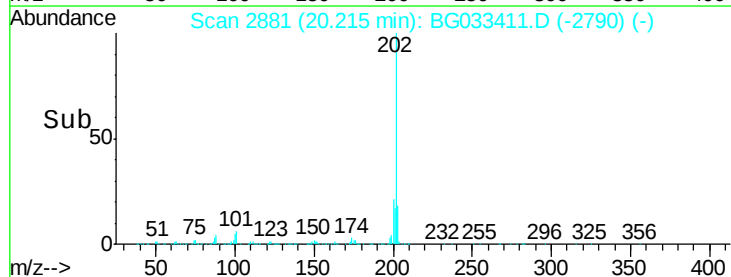
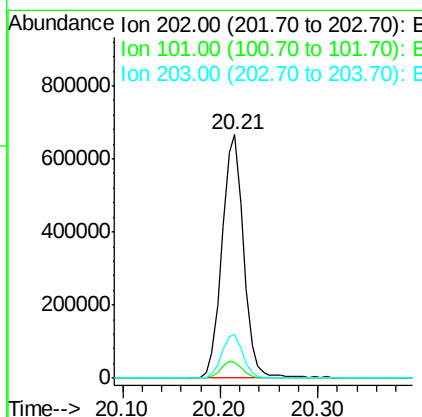
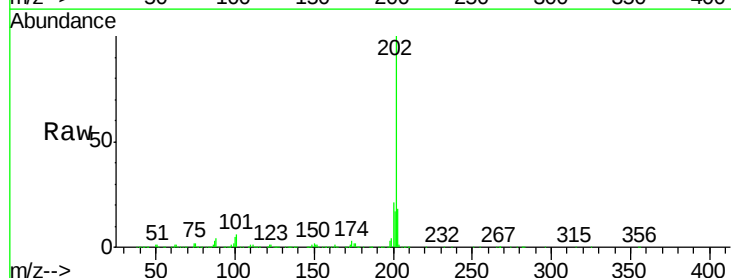
Manual Integrations
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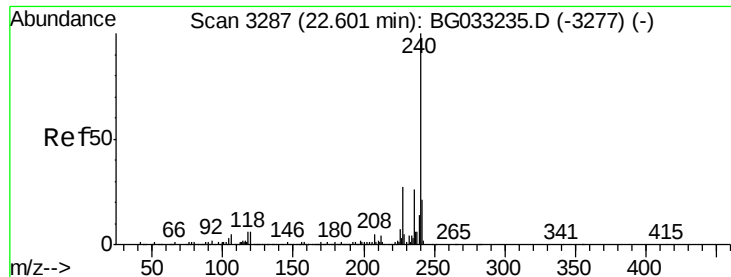
Sohil
3/29/2018 5:39:20 PM



#74
Fluoranthene
Concen: 47.652 ng
RT: 20.21 min Scan# 2881
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	28.9
203	18.1	0.0	37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3281

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

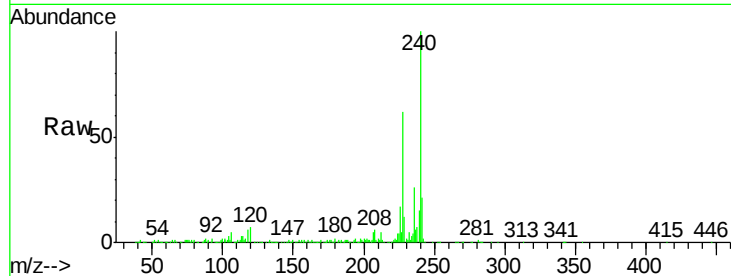
ClientSampleId :

BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.8	10.2#
236	26.4	20.9	31.3

Manual Integrations
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3/29/2018 5:39:20 PM



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

22.56

200000

150000

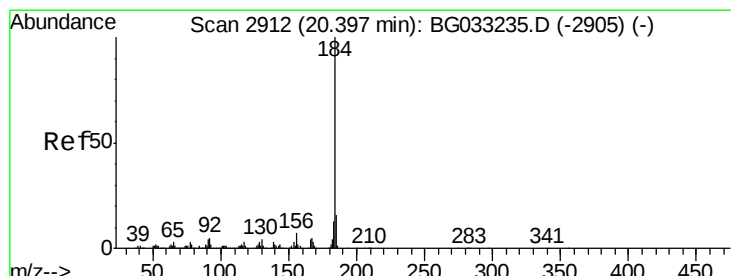
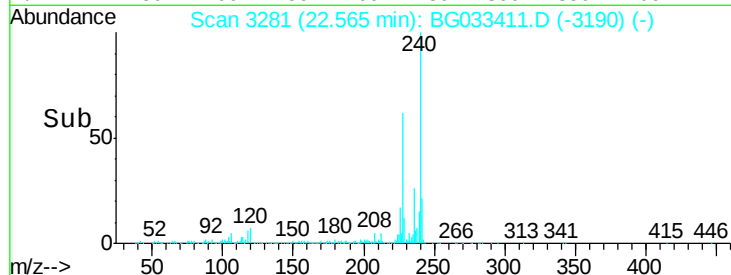
100000

50000

0

22.50 22.60 22.70

Time-->



#76

Benzidine

Concen: 8.839 ng

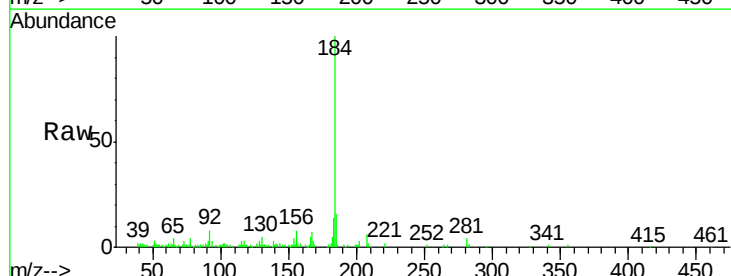
RT: 20.37 min Scan# 2908

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.9	11.1	16.7
183	13.8	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

20.37

50000

40000

30000

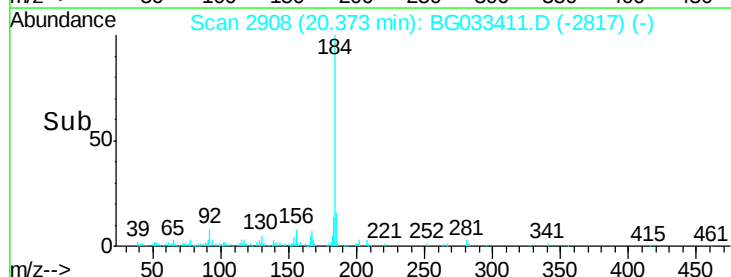
20000

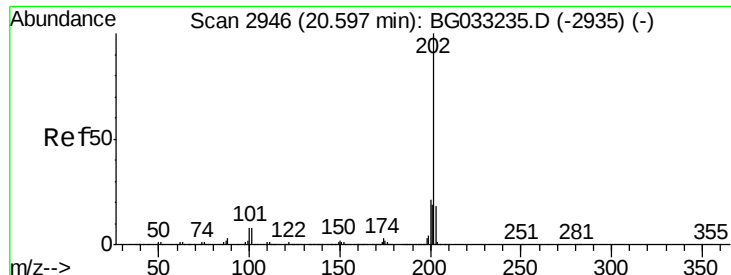
10000

0

20.30 20.40 20.50

Time-->





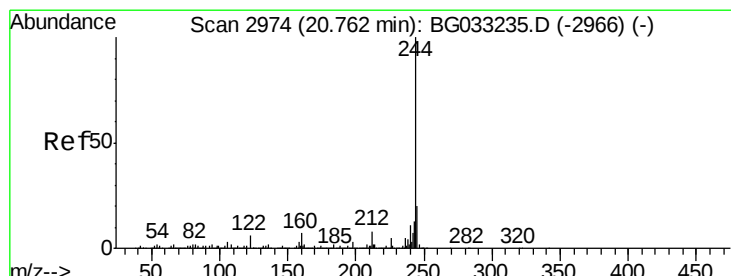
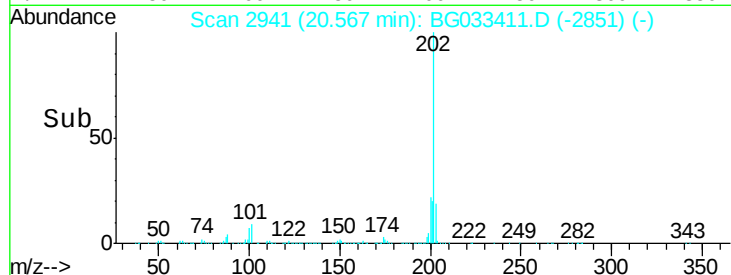
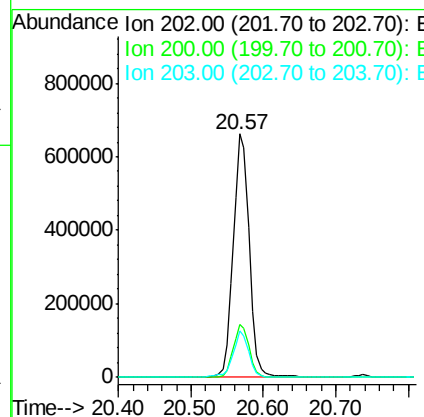
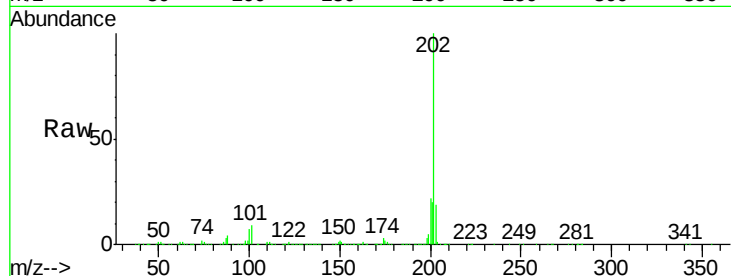
#77
Pvrene
Concen: 45.113 ng
RT: 20.57 min Scan# 2941
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.9	25.3
203	19.0	13.9	20.9

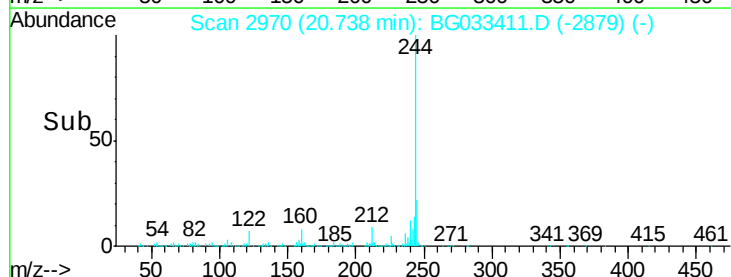
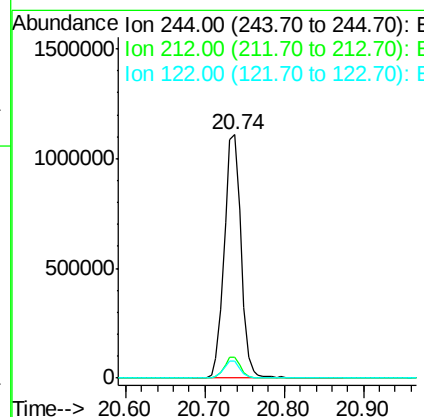
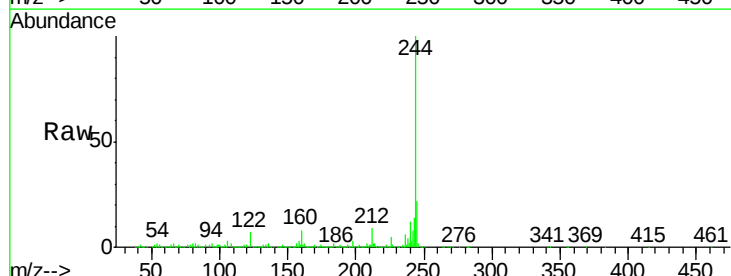
Manual Integrations
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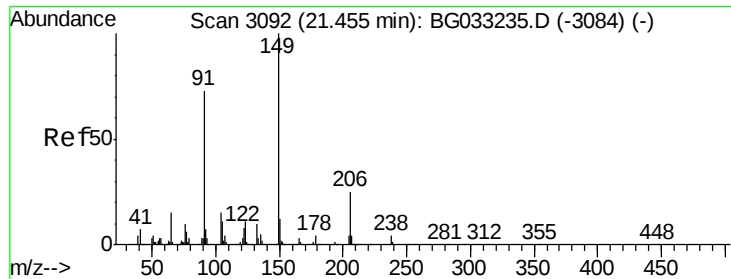
Sohil
3/29/2018 5:39:20 PM



#78
Terphenyl-d14
Concen: 102.778 ng
RT: 20.74 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.8
122	6.9	7.0	10.4#





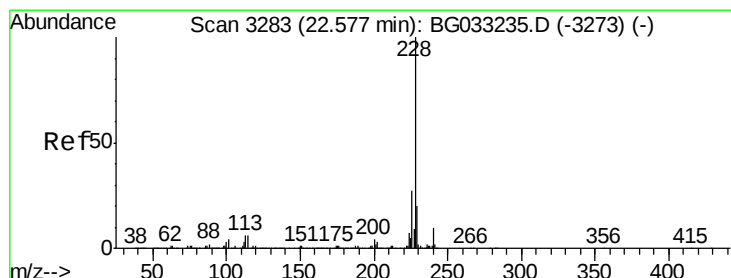
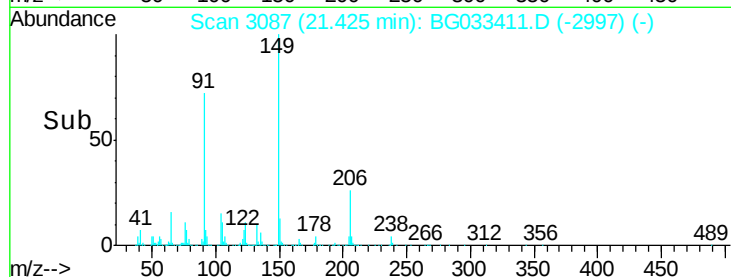
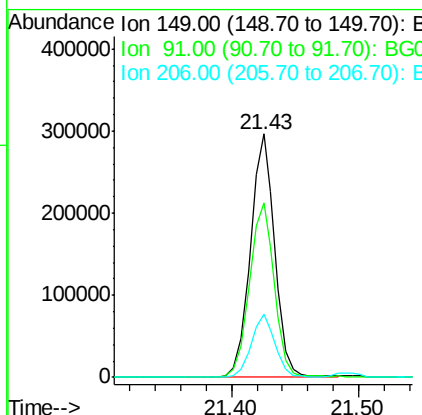
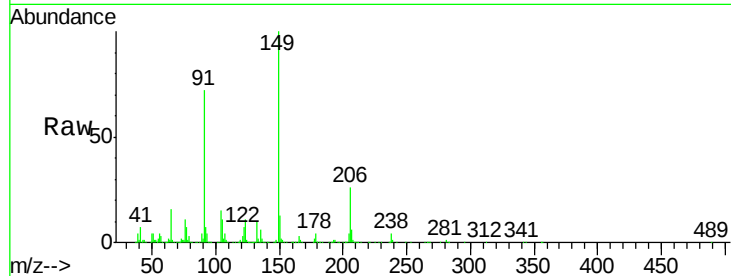
#79
Butylbenzylphthalate
Concen: 47.540 ng
RT: 21.43 min Scan# 3087
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	71.5	62.2	93.2
206	25.8	18.6	27.8

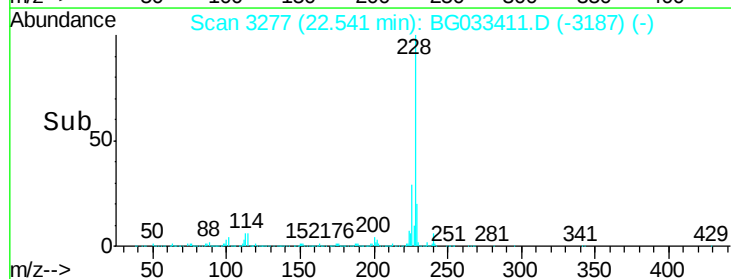
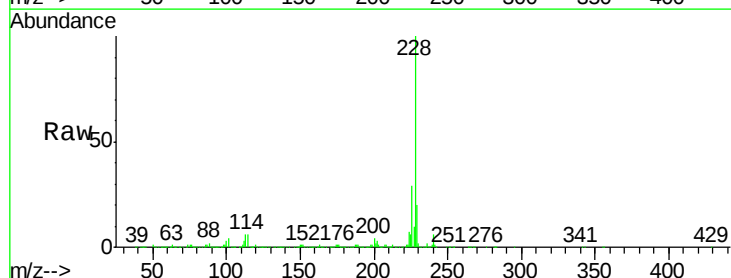
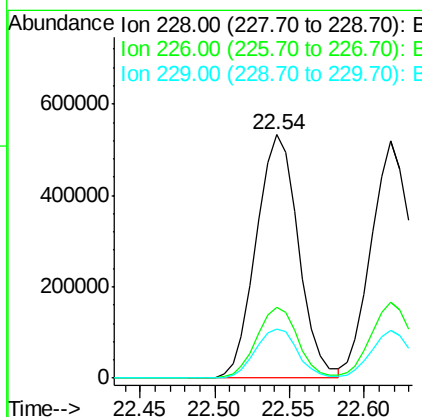
Manual Integrations
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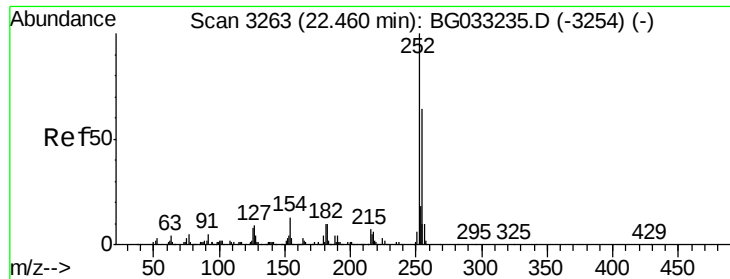
Sohil
3/29/2018 5:39:20 PM



#80
Benzo(a)anthracene
Concen: 48.500 ng
RT: 22.54 min Scan# 3277
Delta R.T. -0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.7	34.1
229	20.4	16.2	24.2





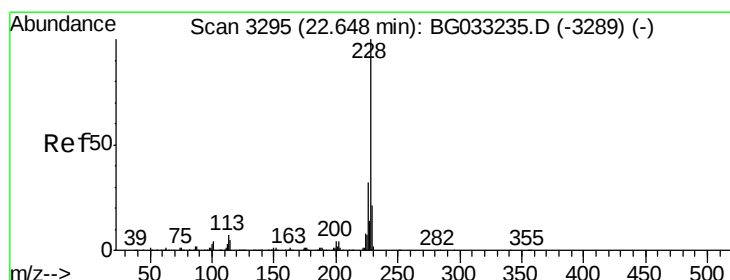
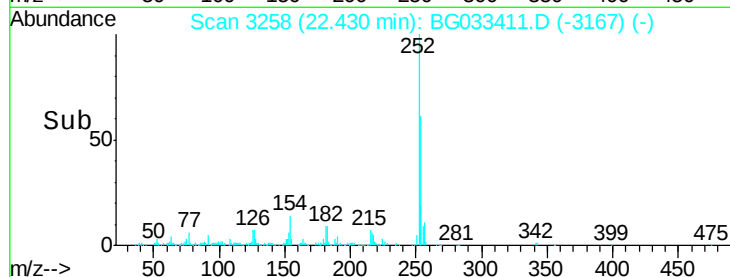
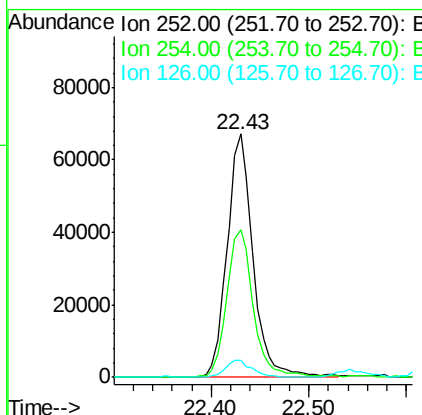
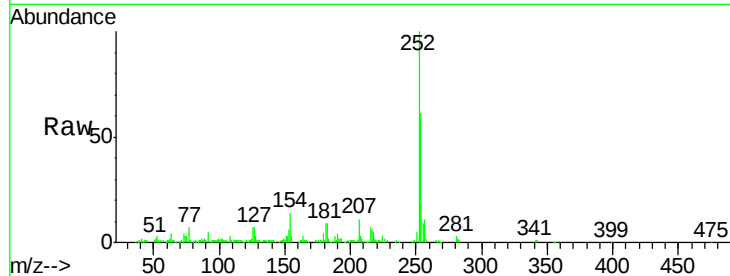
#81
 3,3'-Dichlorobenzidine
 Concen: 16.192 ng
 RT: 22.43 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	60.7	50.8	76.2
126	7.0	7.4	11.2

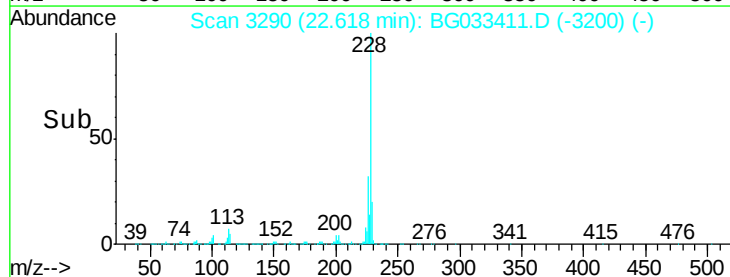
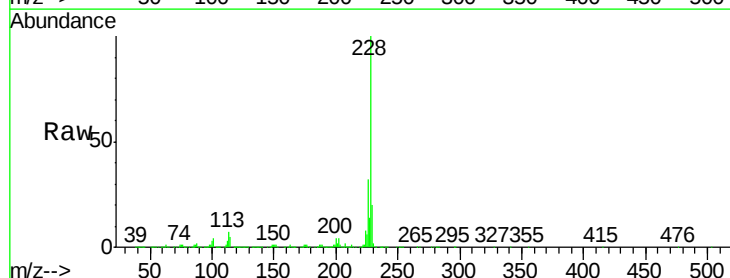
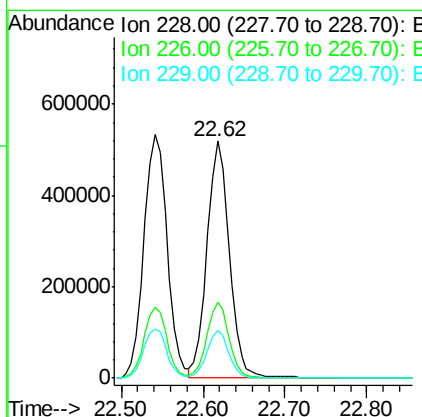
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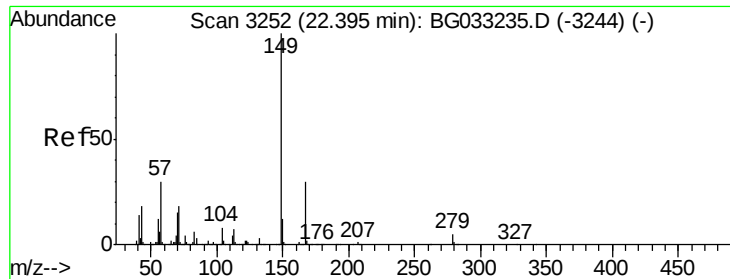
Sohil
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#82
 Chrysene
 Concen: 47.521 ng
 RT: 22.62 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.9	37.3
229	20.1	15.0	22.4





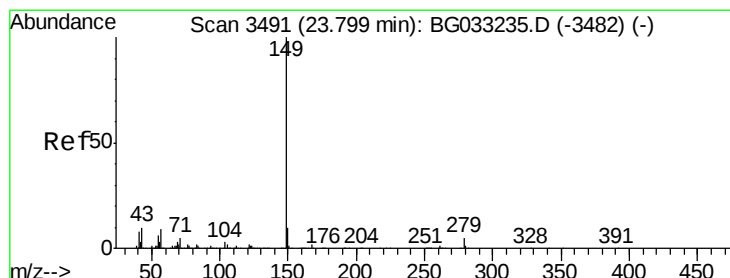
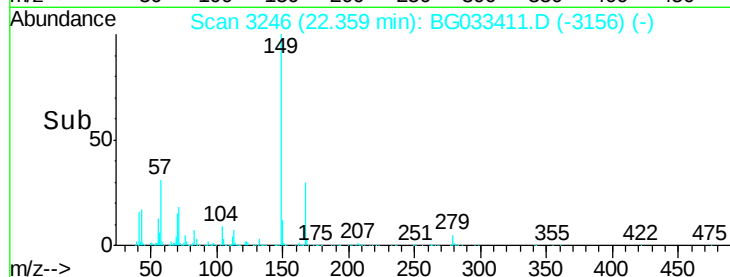
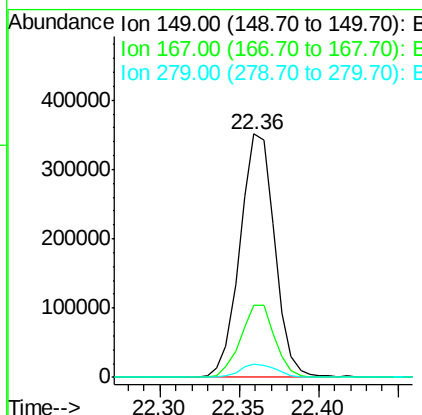
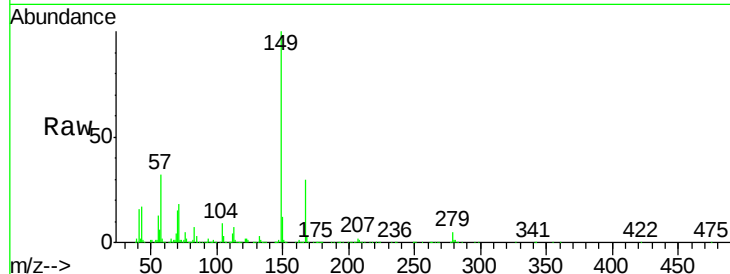
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 46.408 ng
 RT: 22.36 min Scan# 3246
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.8	24.3	36.5
279	5.5	4.0	6.0

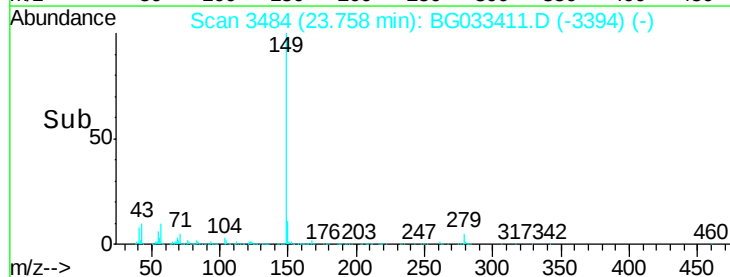
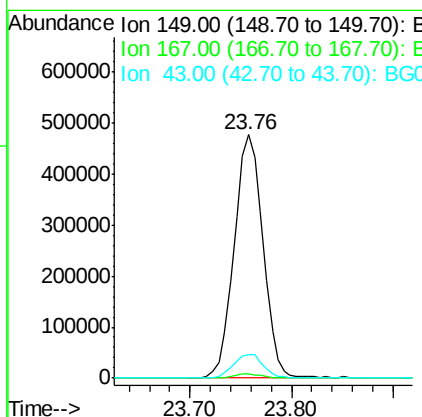
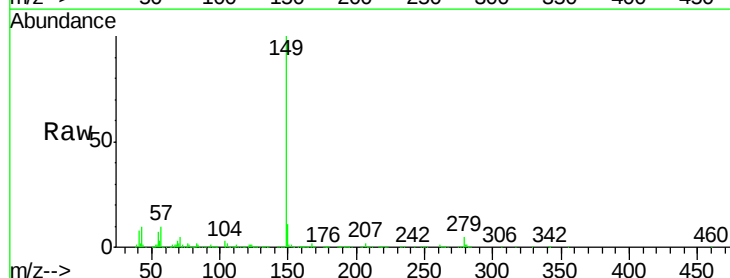
Manual Integrations
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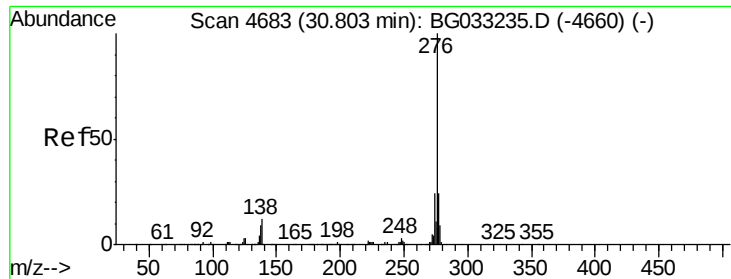
Sohil
 3/29/2018 5:39:20 PM



#84
 Di-n-octyl phthalate
 Concen: 53.601 ng
 RT: 23.76 min Scan# 3484
 Delta R.T. -0.00 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	10.0	8.9	13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 51.024 ng

RT: 30.71 min Scan# 4668

Delta R.T. -0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

ClientSampleId :

BU-03-032618MSD

Tot Ion:276 Resp: 1149357

Ion Ratio Lower Upper

276 100

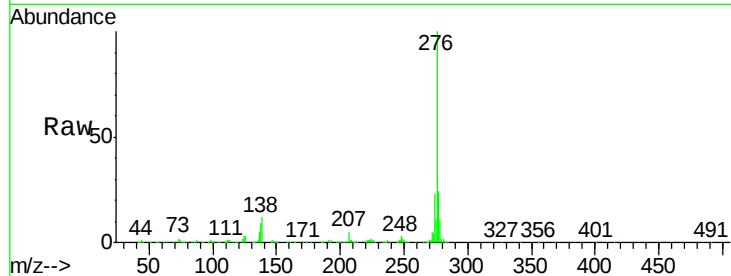
138 6.7 16.0 24.0#

277 25.7 20.0 30.0

Manual Integrations
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Sohil

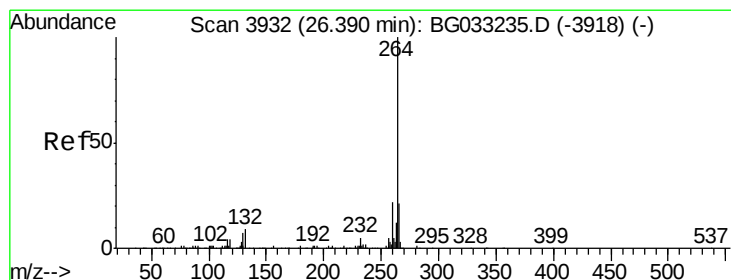
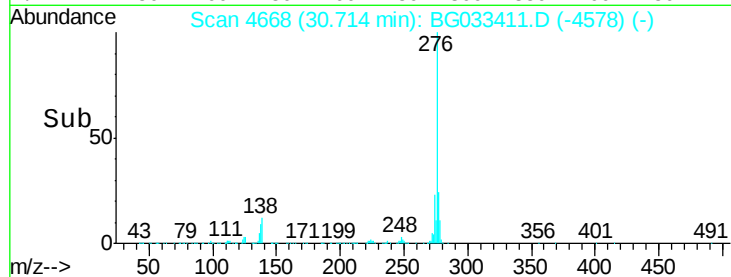
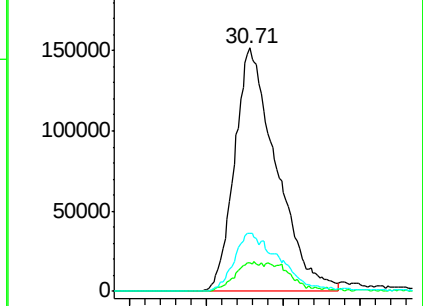
3/29/2018 5:39:20 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.34 min Scan# 3923

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

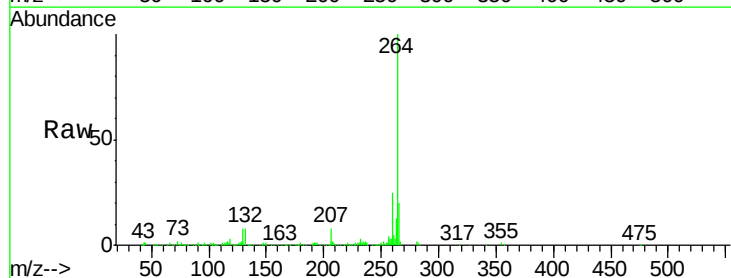
Tgt Ion:264 Resp: 370923

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

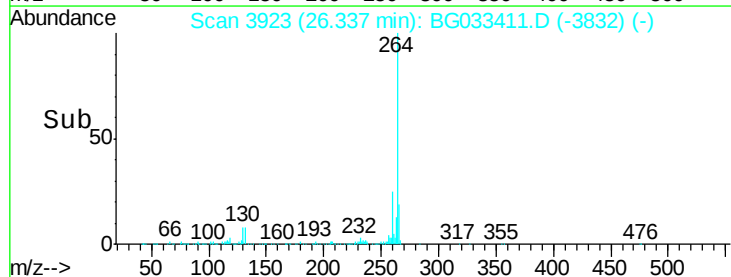
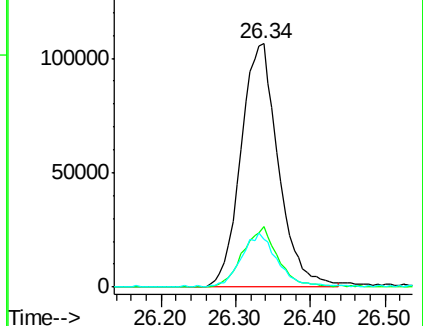
265 19.7 17.7 26.5

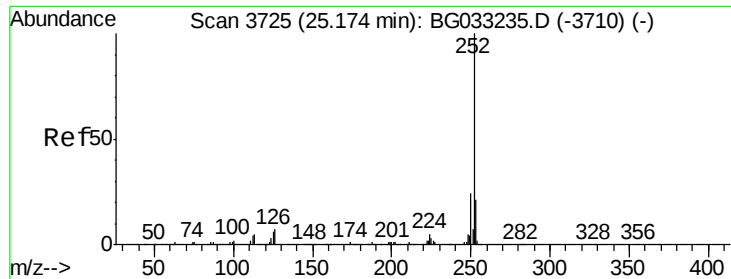


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 48.640 ng

RT: 25.12 min Scan# 3716

Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Instrument :

BNA_G

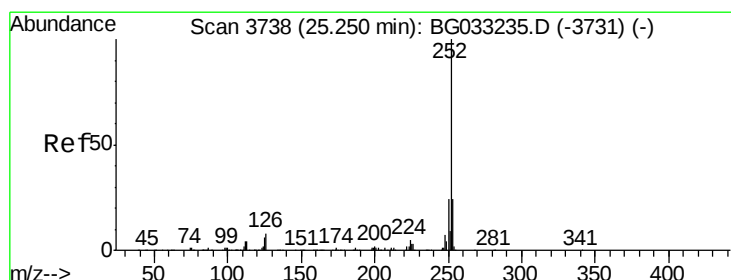
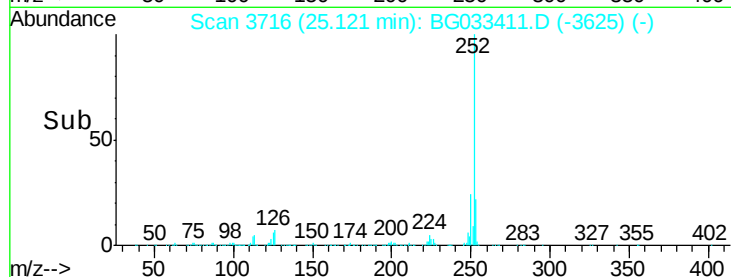
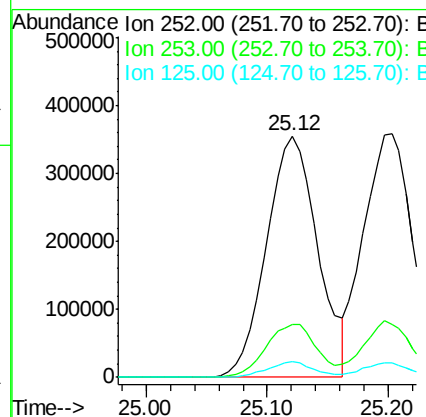
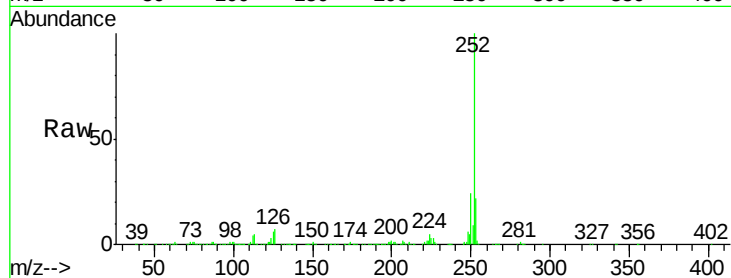
ClientSampleId :

BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	6.3	7.2	10.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 47.870 ng

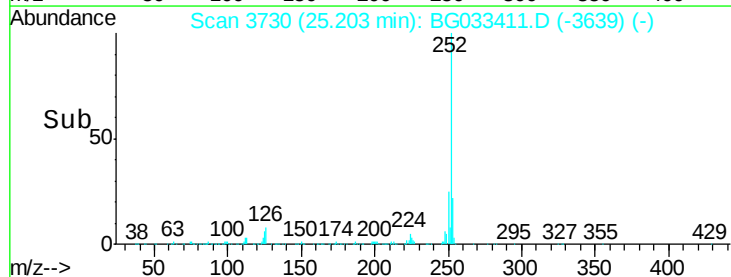
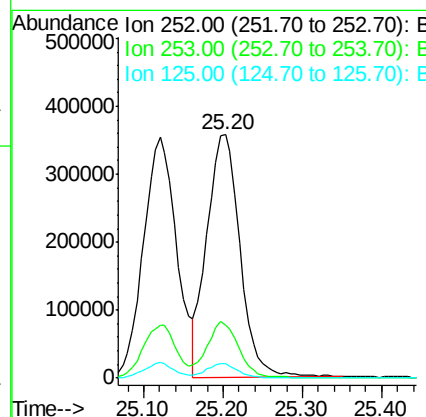
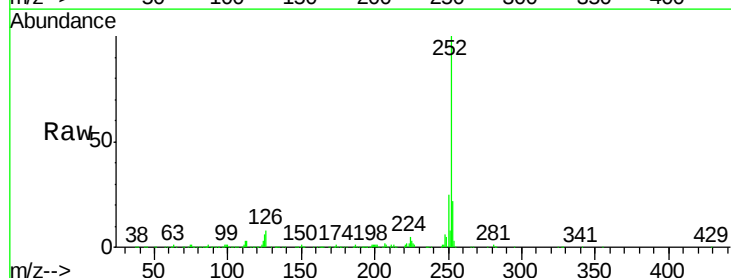
RT: 25.20 min Scan# 3730

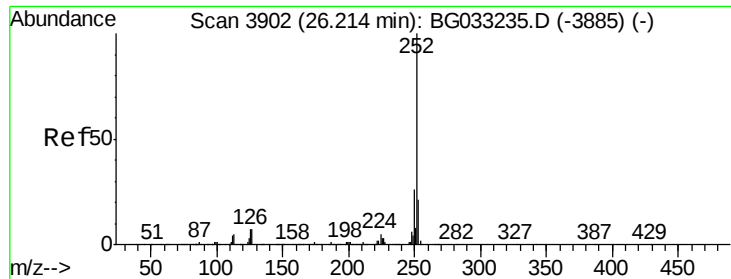
Delta R.T. 0.00 min

Lab File: BG033411.D

Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	5.7	6.6	9.8





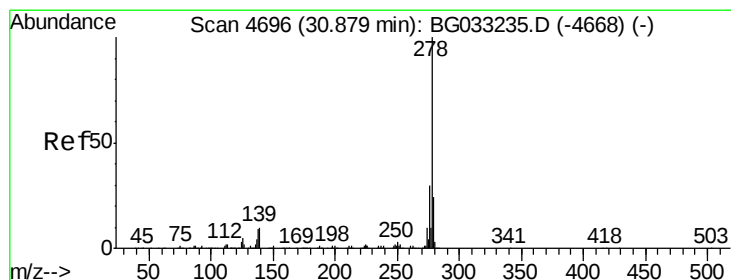
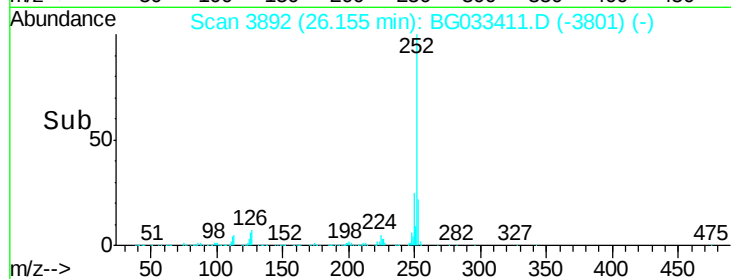
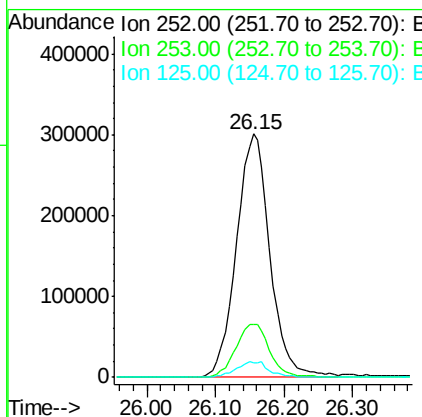
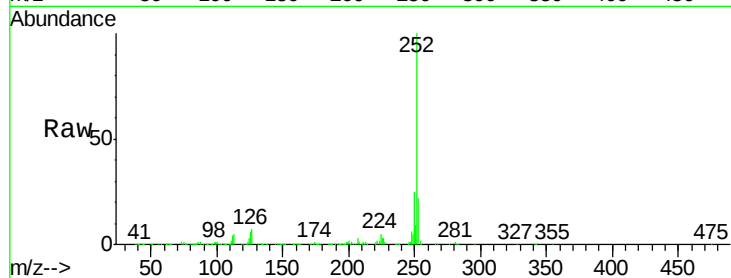
#89
Benzo(a)pyrene
Concen: 49.438 ng
RT: 26.15 min Scan# 3892
Delta R.T. 0.00 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Instrument :
BNA_G
ClientSampleId :
BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.3	27.5
125	6.1	7.3	10.9

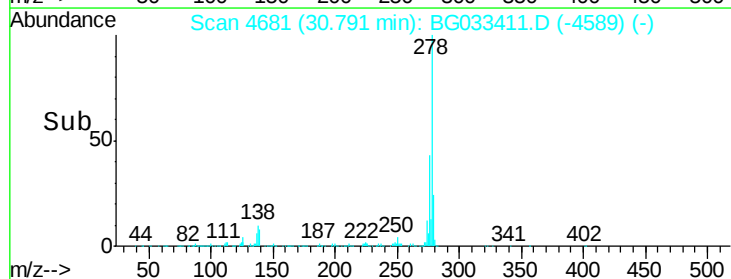
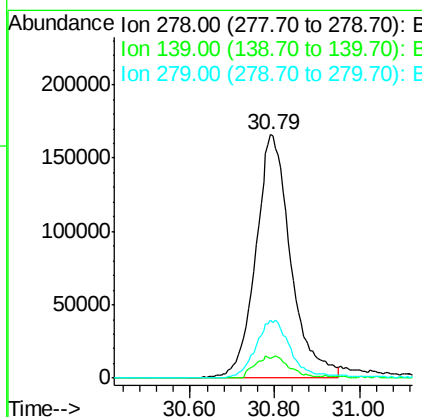
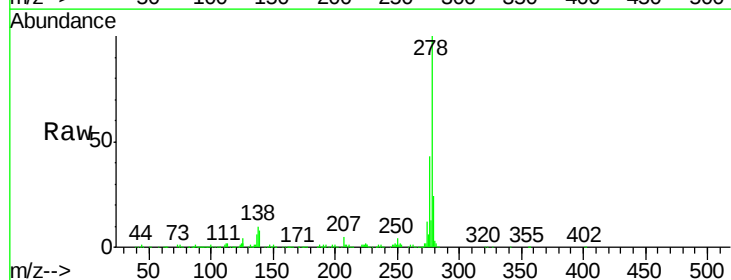
Manual Integrations
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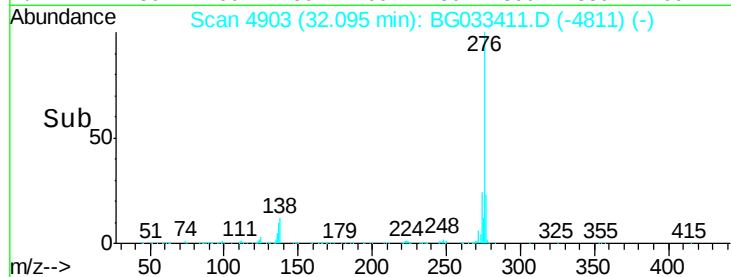
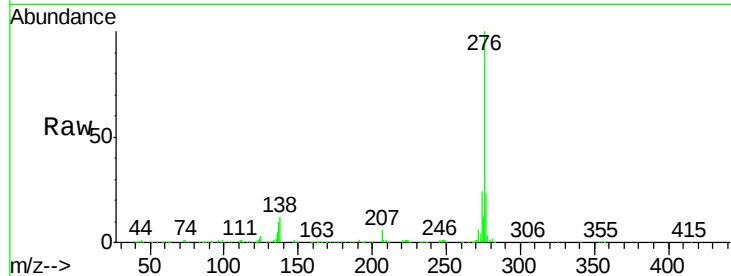
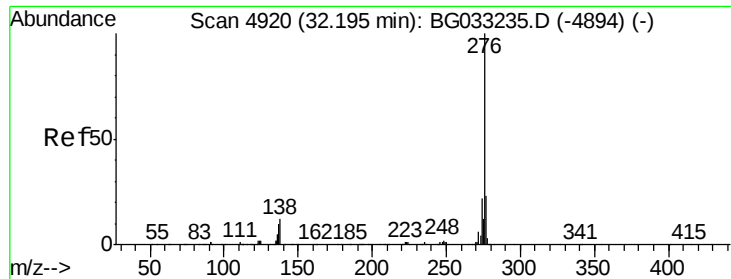
Sohil
3/29/2018 5:39:20 PM



#90
Dibenzo(a,h)anthracene
Concen: 49.240 ng
RT: 30.79 min Scan# 4681
Delta R.T. 0.01 min
Lab File: BG033411.D
Acq: 29 Mar 2018 8:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.2	9.8	14.6
279	23.7	18.4	27.6





#91
 Benzo(a,h,i)perylene
 Concen: 47.833 ng
 RT: 32.09 min Scan# 4903
 Delta R.T. 0.01 min
 Lab File: BG033411.D
 Acq: 29 Mar 2018 8:13

Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.3	27.5
138	12.3	13.9	20.9

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:39:20 PM

