

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081719\
 Data File : BG042272.D
 Acq On : 16 Aug 2019 23:05
 Operator : HP/JU
 Sample : K4231-05MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Manual Integrations
 APPROVED

Jagrut
 8/19/2019 2:19:38 PM

Quant Time: Aug 19 09:13:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:42:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	60011	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	232810	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	174979	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	404638	20.00	ng	0.00
76) Chrysene-d12	21.71	240	436302	20.00	ng	0.01
87) Perylene-d12	24.96	264	530910	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	406494	131.79	ng	0.00
7) Phenol-d6	7.18	99	516988	124.33	ng	0.01
23) Nitrobenzene-d5	9.18	82	333508	98.58	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	343133	172.64	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	993254	100.12	ng	0.00
79) Terphenyl-d14	20.04	244	1793482	94.06	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.44	88	46138	31.781	ng	# 40
3) Pyridine	3.85	79	94339	23.697	ng	# 74
4) n-Nitrosodimethylamine	3.75	42	47352	30.004	ng	# 74
6) Aniline	7.34	93	71688	12.243	ng	89
8) 2-Chlorophenol	7.58	128	169081	47.872	ng	88
9) Benzaldehyde	7.14	77	52171	17.830	ng	84
10) Phenol	7.21	94	173024	39.996	ng	94
11) bis(2-Chloroethyl)ether	7.43	93	140365	39.468	ng	87
12) 1,3-Dichlorobenzene	7.91	146	160915m	34.908	ng	
13) 1,4-Dichlorobenzene	8.05	146	164356	35.633	ng	98
14) 1,2-Dichlorobenzene	8.37	146	157649	35.819	ng	94
15) Benzyl Alcohol	8.25	79	127955	39.113	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.55	45	173848	27.476	ng	89
17) 2-Methylphenol	8.46	107	136152	43.276	ng	96
18) Hexachloroethane	9.10	117	53288	33.736	ng	91
19) n-Nitroso-di-n-propylamine	8.82	70	110498	36.601	ng	# 82
20) 3+4-Methylphenols	8.79	107	188250	43.725	ng	97
22) Acetophenone	8.84	105	236503	45.417	ng	# 88
24) Nitrobenzene	9.23	77	158645	44.512	ng	92
25) Isophorone	9.75	82	320300	43.523	ng	96
26) 2-Nitrophenol	9.94	139	103116	62.339	ng	# 87
27) 2,4-Dimethylphenol	10.00	122	162003	55.491	ng	97
28) bis(2-Chloroethoxy)methane	10.23	93	197700	42.988	ng	99
29) 2,4-Dichlorophenol	10.48	162	198789	55.915	ng	97
30) 1,2,4-Trichlorobenzene	10.70	180	198832	44.103	ng	97
31) Naphthalene	10.89	128	481589	45.198	ng	98
32) Benzoic acid	10.13	122	8535m	12.077	ng	
33) 4-Chloroaniline	11.01	127	14360	2.842	ng	# 91
34) Hexachlorobutadiene	11.18	225	123108	40.460	ng	98
35) Caprolactam	11.77	113	47852m	38.730	ng	
36) 4-Chloro-3-methylphenol	12.12	107	183954	52.190	ng	94
37) 2-Methylnaphthalene	12.50	142	402504	47.725	ng	99
38) 1-Methylnaphthalene	12.72	142	386158	48.315	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.87	216	254097	45.876	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.85	237	230688	74.079	nq	99
43) 2,4,6-Trichlorophenol	13.11	196	182195	52.044	nq	97
44) 2,4,5-Trichlorophenol	13.18	196	193386	53.158	nq #	92
46) 1,1'-Biphenyl	13.50	154	528651	46.999	nq	94
47) 2-Chloronaphthalene	13.55	162	435148	45.439	nq	96
48) 2-Nitroaniline	13.75	65	103528	42.625	nq #	71
49) Acenaphthylene	14.40	152	696063	48.591	nq	97
50) Dimethylphthalate	14.13	163	589496	49.329	nq	98
51) 2,6-Dinitrotoluene	14.25	165	141524	56.636	nq #	76
52) Acenaphthene	14.74	154	410732	44.084	nq	99
53) 3-Nitroaniline	14.57	138	43417	16.241	nq	81
54) 2,4-Dinitrophenol	14.79	184	83875	60.927	nq #	78
55) Dibenzofuran	15.07	168	691881	48.550	nq	93
56) 4-Nitrophenol	14.90	139	215164	106.033	nq #	82
57) 2,4-Dinitrotoluene	15.04	165	194489	56.596	nq #	81
58) Fluorene	15.73	166	561738	49.119	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.30	232	194796	54.064	nq #	90
60) Diethylphthalate	15.49	149	561773	47.882	nq	99
61) 4-Chlorophenyl-phenylether	15.71	204	328115	46.996	nq	93
62) 4-Nitroaniline	15.74	138	130783	45.167	nq	90
63) Azobenzene	16.01	77	394529	41.165	nq	88
65) 4,6-Dinitro-2-methylphenol	15.81	198	81080	41.948	nq	79
66) n-Nitrosodiphenylamine	15.93	169	527449	47.854	nq	97
67) 4-Bromophenyl-phenylether	16.61	248	227614	45.666	nq	94
68) Hexachlorobenzene	16.74	284	241956	46.401	nq #	92
69) Atrazine	16.88	200	201035	46.422	nq	98
70) Pentachlorophenol	17.08	266	272788	92.088	nq	98
71) Phenanthrene	17.47	178	939027	48.415	nq	94
72) Anthracene	17.56	178	961154	49.688	nq	94
73) Carbazole	17.83	167	872751	50.268	nq	94
74) Di-n-butylphthalate	18.39	149	991729	50.385	nq #	95
75) Fluoranthene	19.48	202	1201744	50.974	nq	91
77) Benzidine	19.66	184	83440	5.859	nq	96
78) Pyrene	19.84	202	1227725	47.494	nq	92
80) Butylbenzylphthalate	20.73	149	487160	49.153	nq #	85
81) Benzo(a)anthracene	21.69	228	1208966	46.834	nq	94
82) 3,3'-Dichlorobenzidine	21.60	252	205105	19.790	nq #	95
83) Chrysene	21.76	228	1181678	47.756	nq	94
84) Bis(2-ethylhexyl)phthalate	21.60	149	680815	49.798	nq	97
85) Di-n-octyl phthalate	22.82	149	1175582	51.094	nq #	85
86) Indeno(1,2,3-cd)pyrene	28.70	276	1632266	49.832	nq #	94
88) Benzo(b)fluoranthene	23.93	252	1370953	47.204	nq #	96
89) Benzo(k)fluoranthene	24.00	252	1318724	46.613	nq #	95
90) Benzo(a)pyrene	24.82	252	1339387	48.085	nq #	96
91) Dibenzo(a,h)anthracene	28.76	278	1341282	49.040	nq #	95
92) Benzo(g,h,i)perylene	29.87	276	1362515	49.863	nq #	93

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

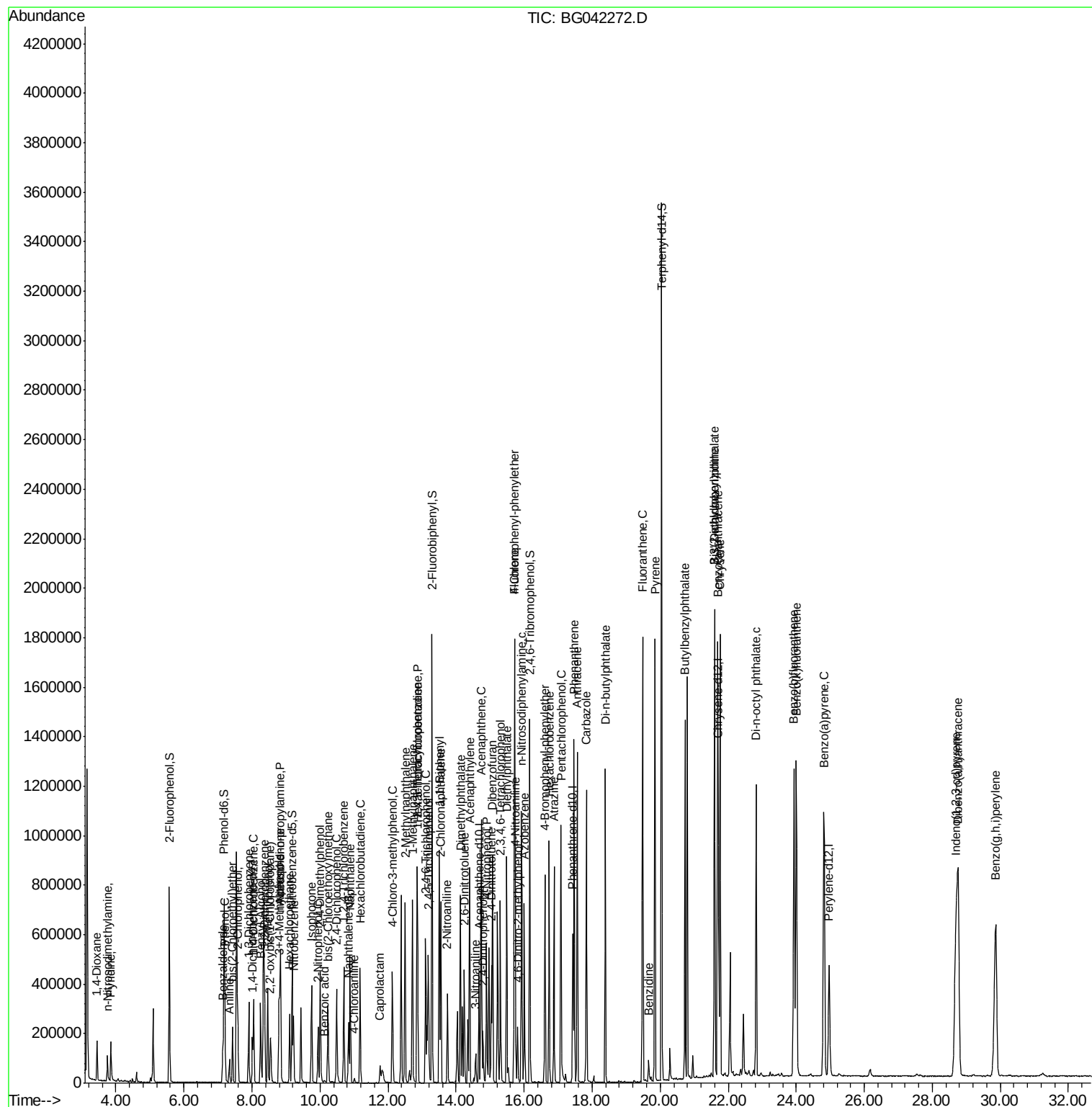
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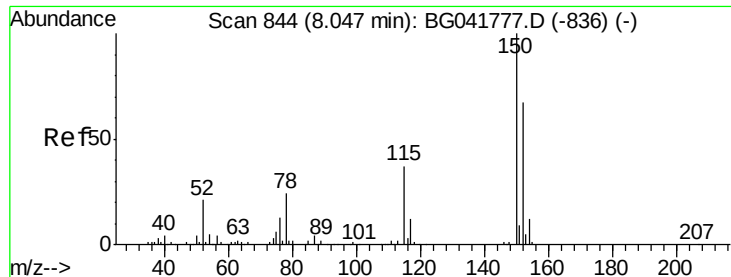
Instrument :
BNA_G
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.01 min Scan# 838

Delta R.T. -0.00 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

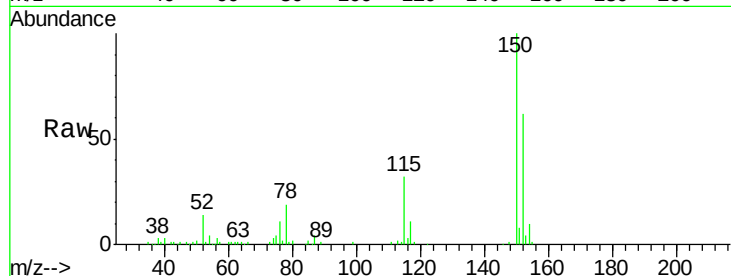
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REACTOR-3-B-(0-3)MSD

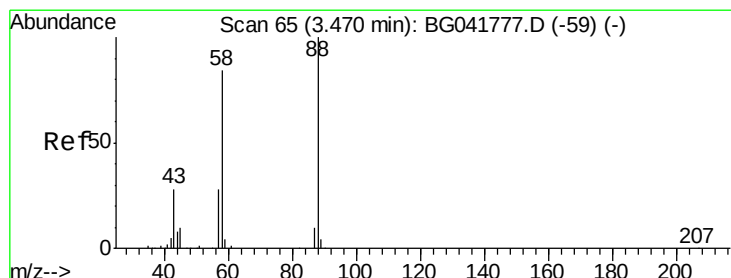
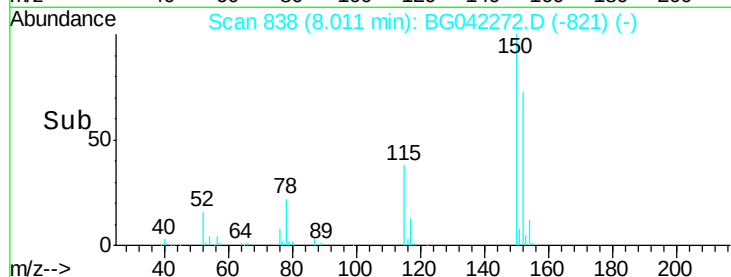
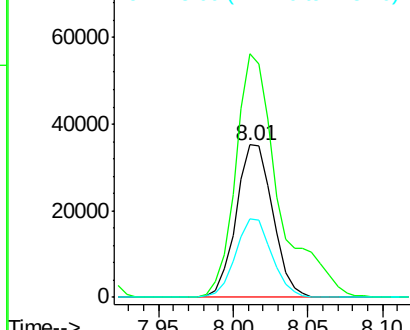
Tot Ion:	152	Resp:	60011
Ion Ratio	Lower	Upper	
152	100		
150	160.0	126.9	190.3
115	51.9	45.0	67.6

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 31.781 ng

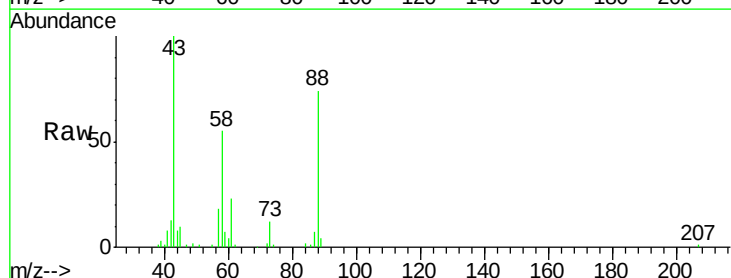
RT: 3.44 min Scan# 60

Delta R.T. 0.01 min

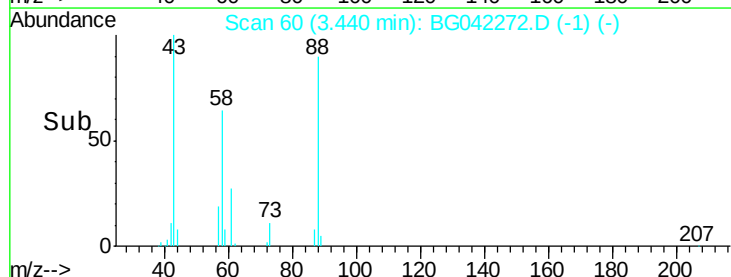
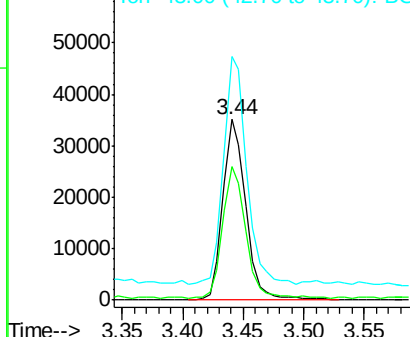
Lab File: BG042272.D

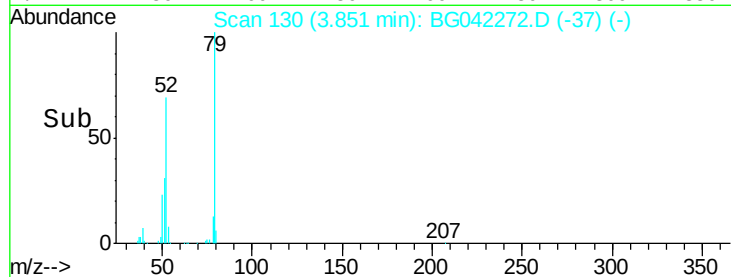
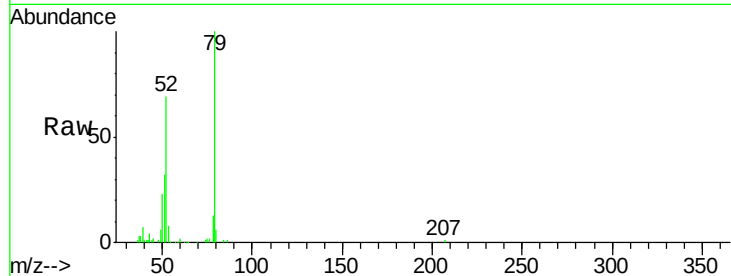
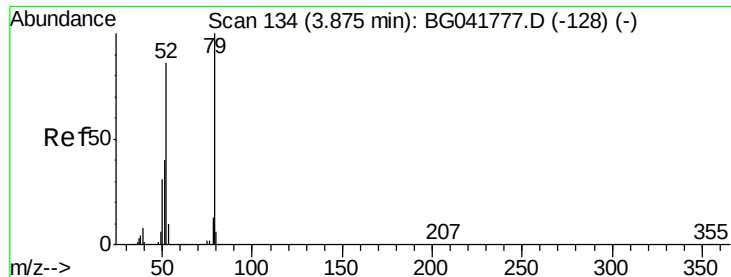
Acq: 16 Aug 2019 23:05

Tgt Ion:	88	Resp:	46138
Ion Ratio	Lower	Upper	
88	100		
58	72.0	76.2	114.2#
43	127.3	27.2	40.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 23.697 ng

RT: 3.85 min Scan# 130

Delta R.T. 0.02 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tot Ion:	79	Resp:	94339
Ion Ratio	Lower	Upper	
79	100		
52	69.3	77.1	115.7#
51	32.2	37.8	56.8#

Instrument :

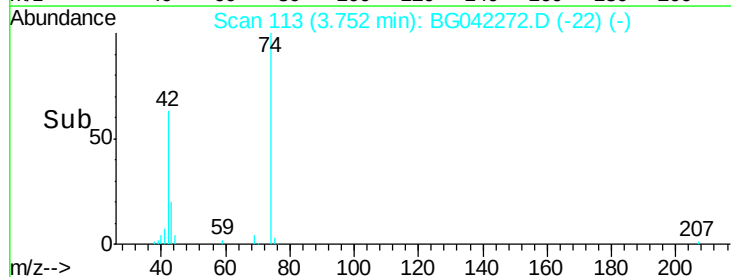
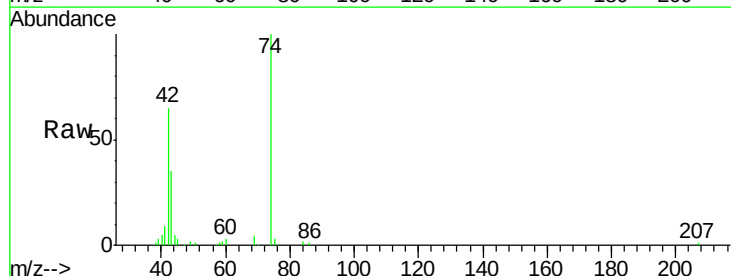
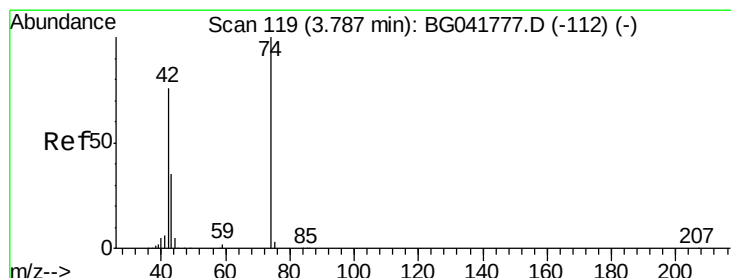
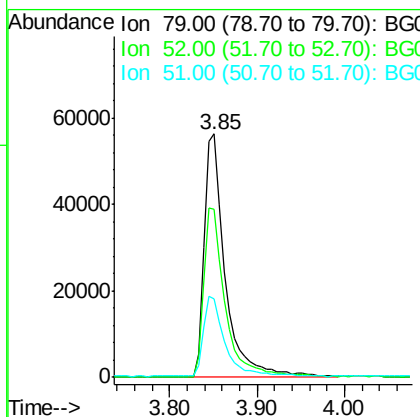
BNA_G

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#4

n-Nitrosodimethylamine

Concen: 30.004 ng

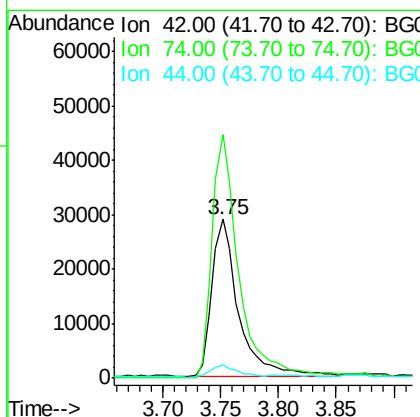
RT: 3.75 min Scan# 113

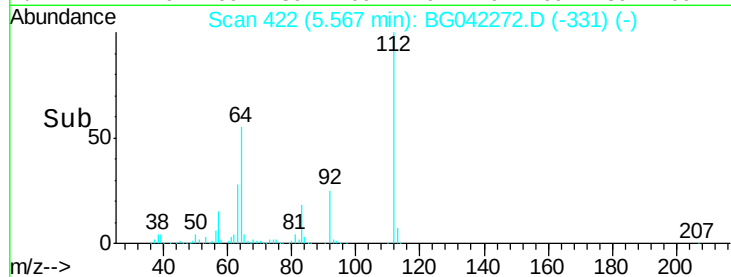
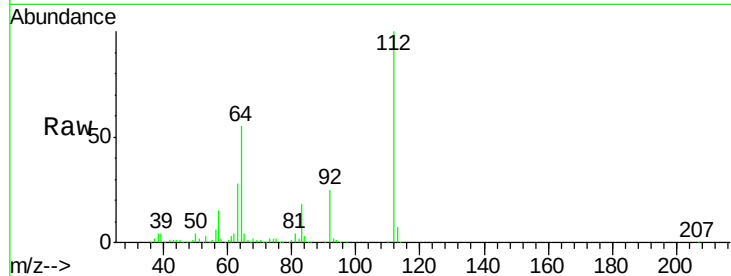
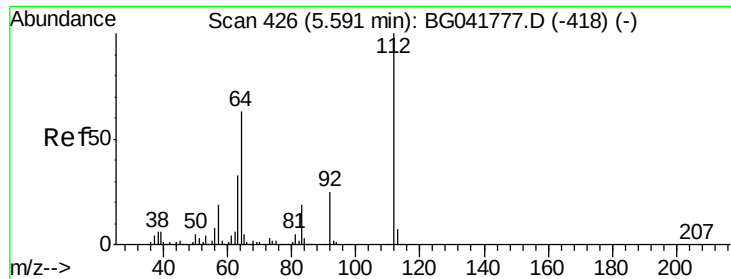
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	42	Resp:	47352
Ion Ratio	Lower	Upper	
42	100		
74	153.0	97.4	146.2#
44	8.0	6.6	9.8





#5

2-Fluorophenol

Concen: 131.790 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

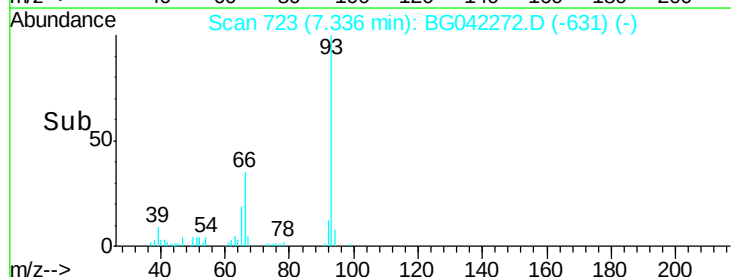
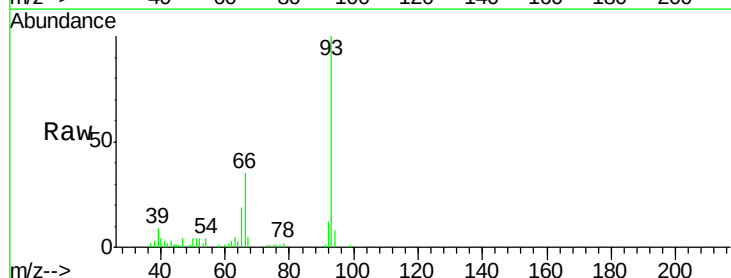
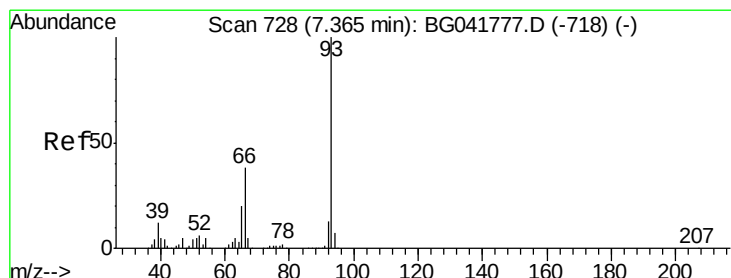
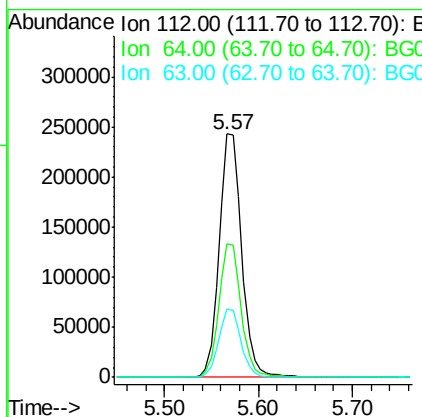
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Tot Ion	Ratio	Resp	Lower	Upper
112	100	406494		
64	54.9	55.4	83.2#	
63	28.3	29.1	43.7#	

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#6

Aniline

Concen: 12.243 ng

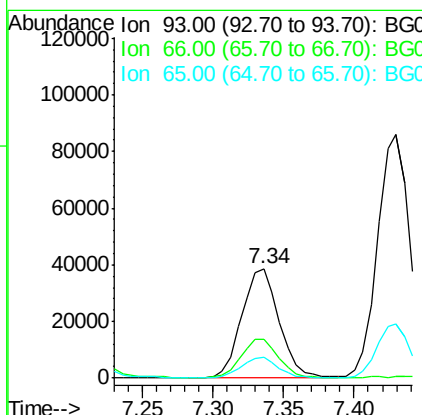
RT: 7.34 min Scan# 723

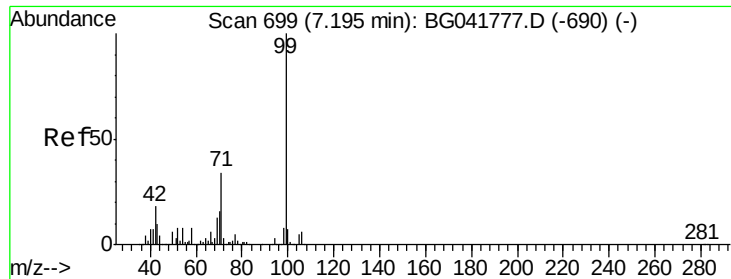
Delta R.T. 0.01 min

Lab File: BG042272.D

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Tgt Ion	Ratio	Resp	Lower	Upper
93	100	71688		
66	35.2	34.2	51.2	
65	18.7	18.2	27.2	





#7

Phenol-d6

Concen: 124.327 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG042272.D

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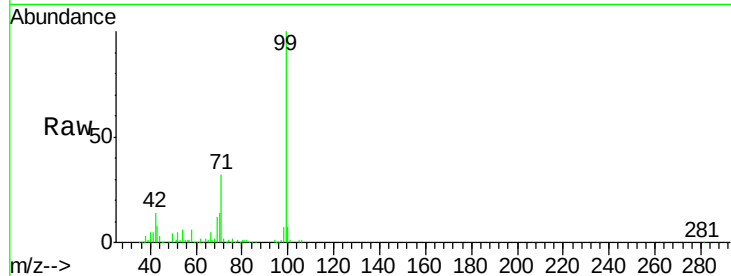
REACTOR-3-B-(0-3)MSD

Tot Ion: 99 Resp: 516988

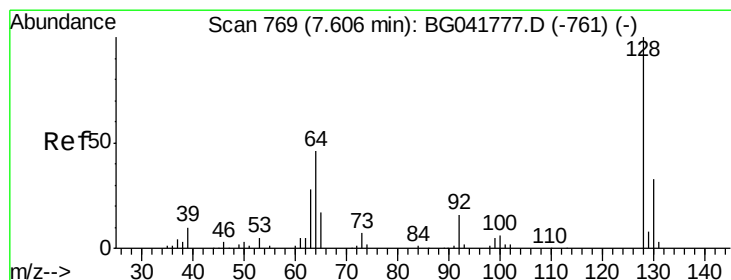
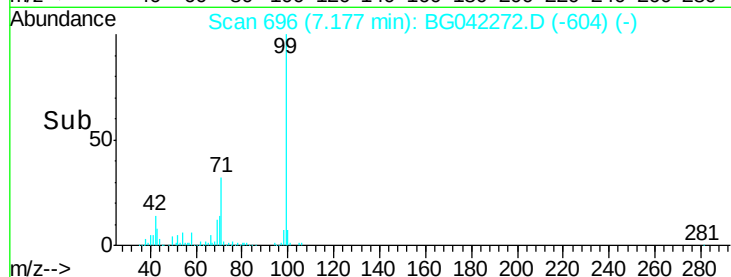
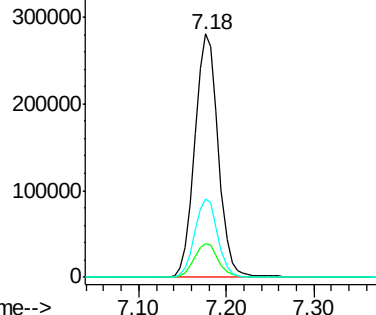
Ion	Ratio	Lower	Upper
99	100		
42	13.9	17.6	26.4#
71	32.2	27.8	41.6

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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: 47.872 ng

RT: 7.58 min Scan# 764

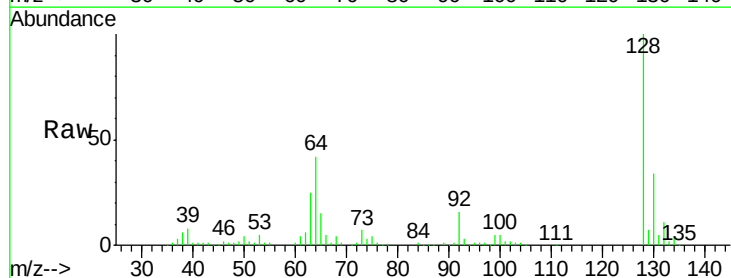
Delta R.T. 0.01 min

Lab File: BG042272.D

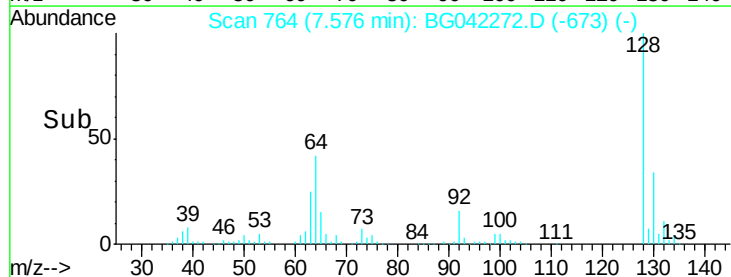
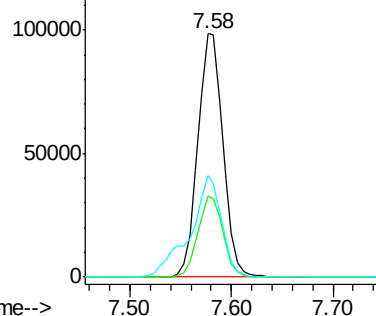
Acq: 16 Aug 2019 23:05

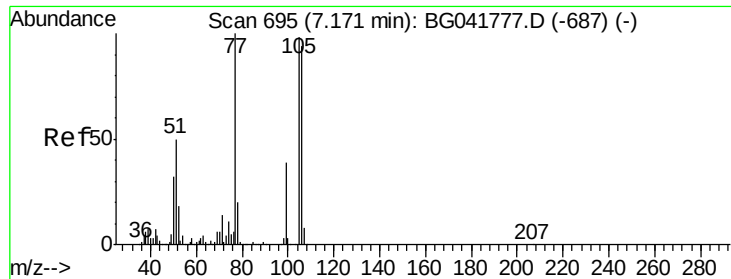
Tgt Ion: 128 Resp: 169081

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.4	52.4
64	41.7	34.9	74.9



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: 17.830 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.01 min

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Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

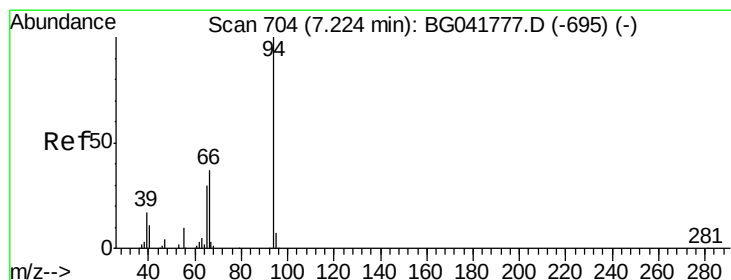
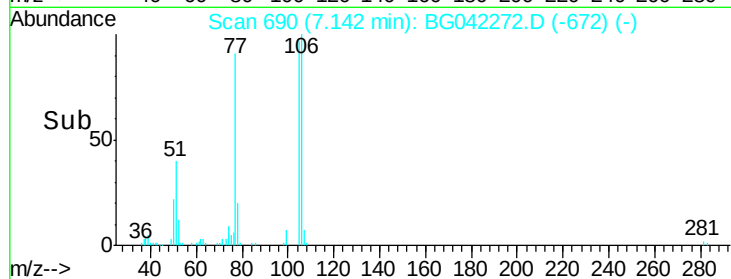
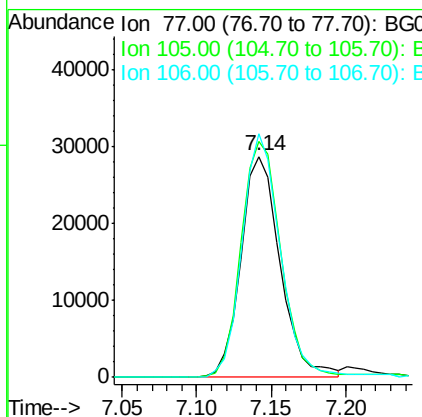
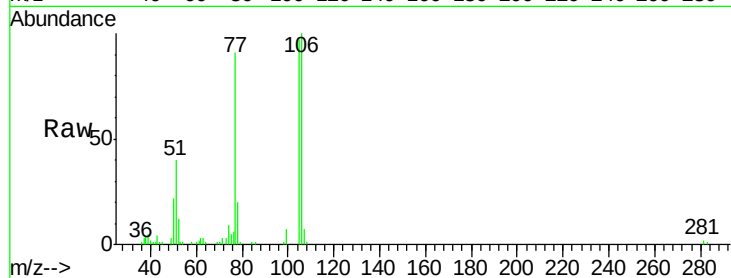
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	77	Resp:	52171
Ion	Ratio	Lower	Upper
77	100		
105	106.5	74.6	114.6
106	110.2	71.1	111.1

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#10

Phenol

Concen: 39.996 ng

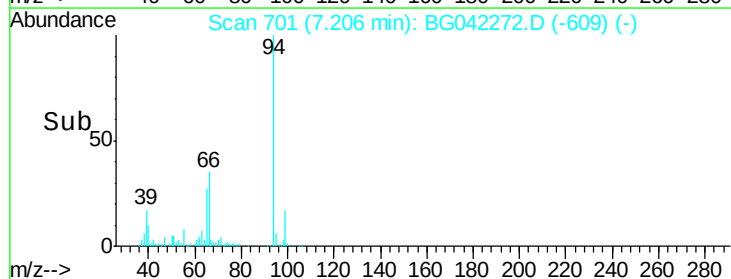
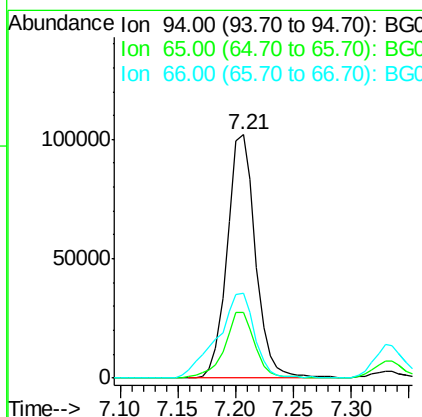
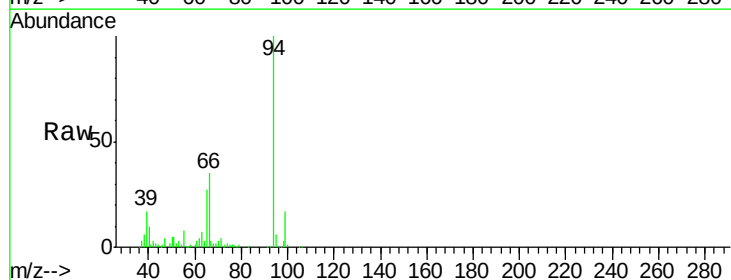
RT: 7.21 min Scan# 701

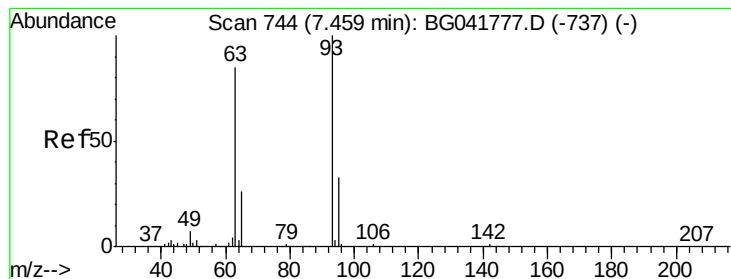
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	94	Resp:	173024
Ion	Ratio	Lower	Upper
94	100		
65	27.0	10.6	50.6
66	35.1	18.2	58.2





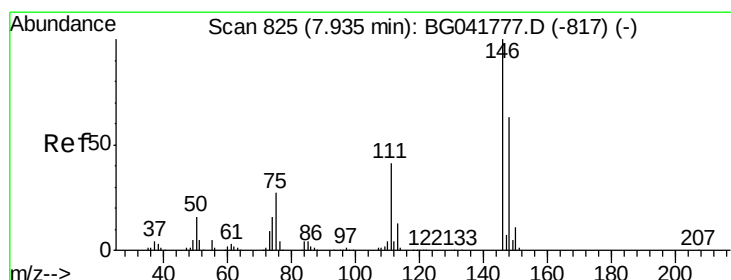
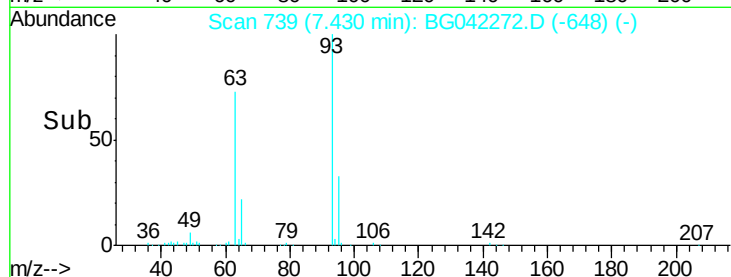
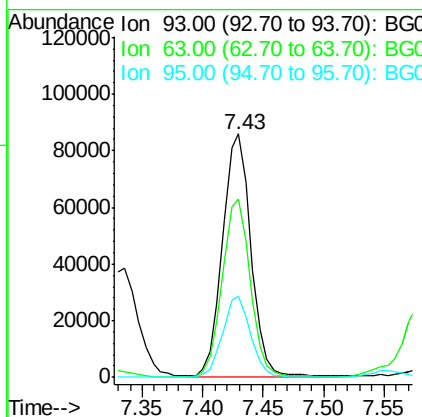
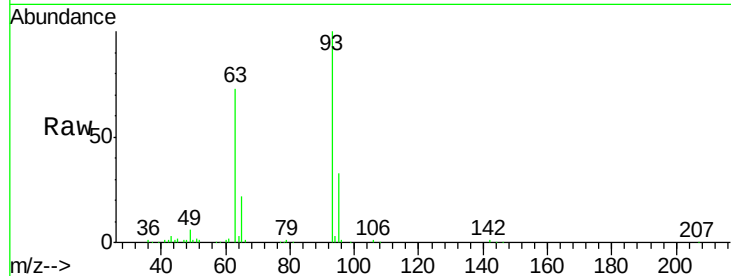
#11
bis(2-Chloroethyl)ether
Concen: 39.468 ng
RT: 7.43 min Scan# 739
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.4	70.4	110.4
95	33.2	12.8	52.8

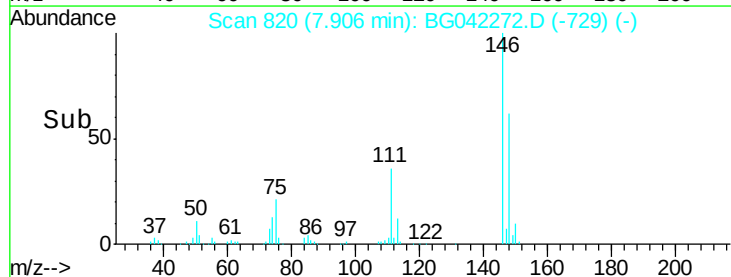
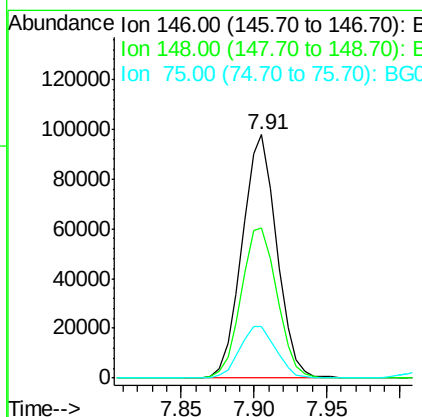
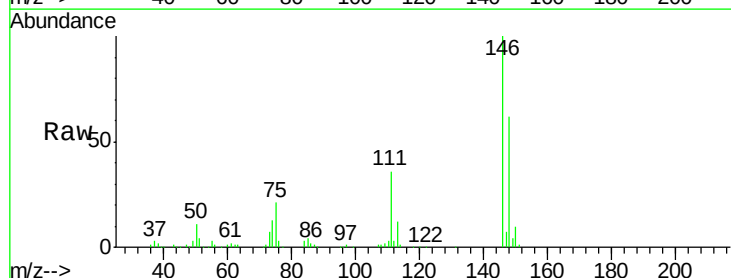
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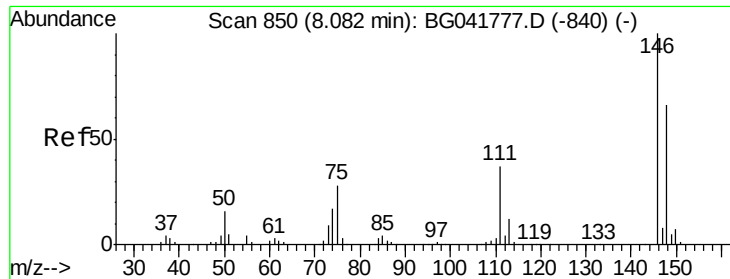
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#12
1,3-Dichlorobenzene
Concen: 34.908 ng m
RT: 7.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.8	51.5	77.3
75	21.5	23.2	34.8#





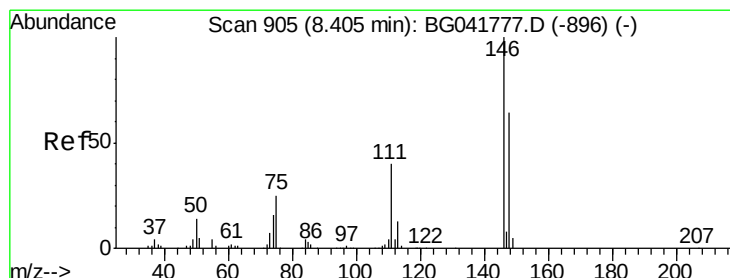
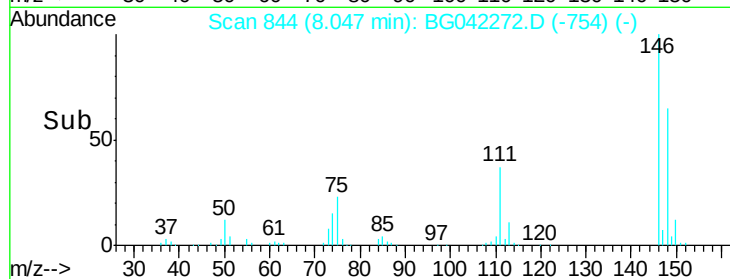
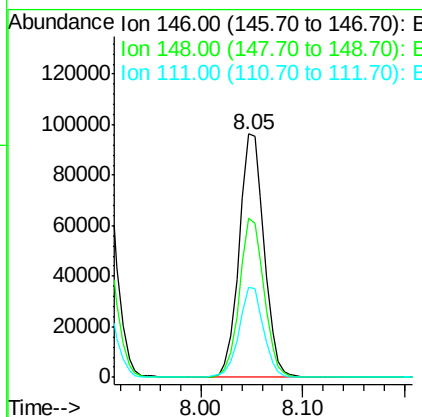
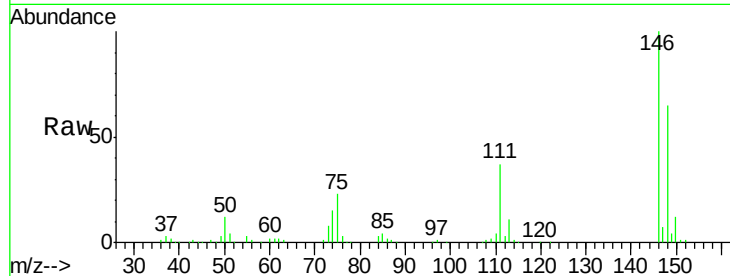
#13
 1,4-Dichlorobenzene
 Concen: 35.633 ng
 RT: 8.05 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.6	79.0
111	37.1	32.5	48.7

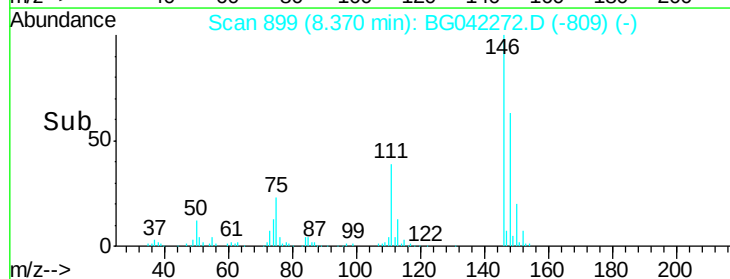
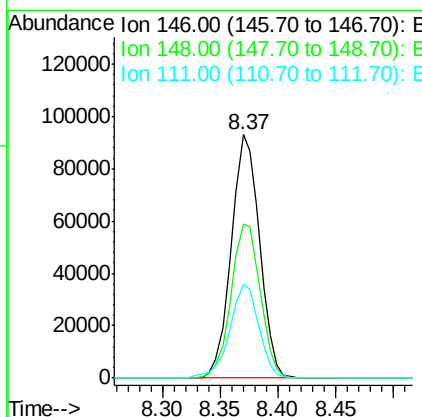
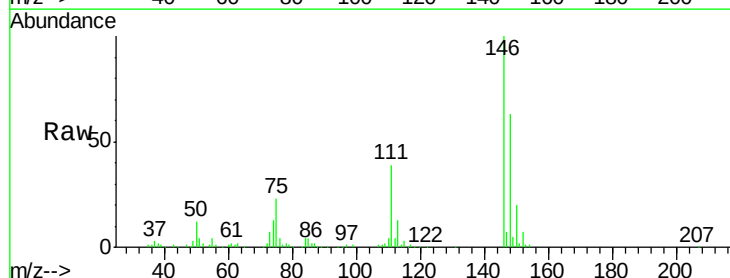
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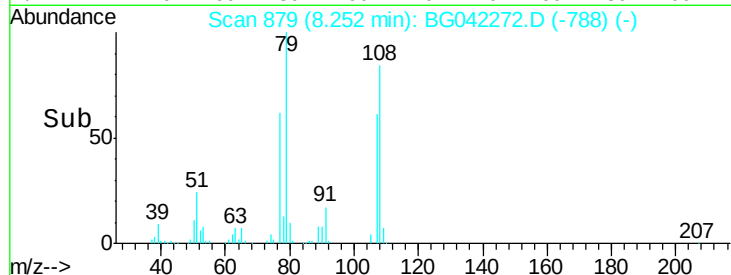
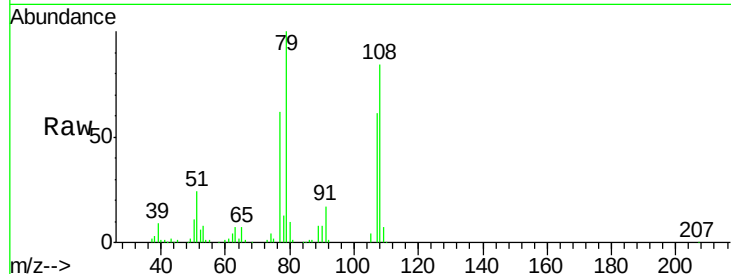
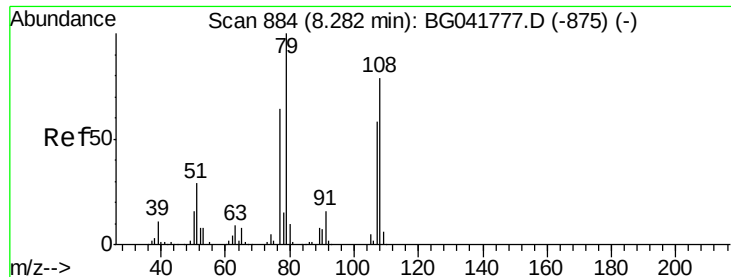
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#14
 1,2-Dichlorobenzene
 Concen: 35.819 ng
 RT: 8.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	53.5	80.3
111	38.7	35.4	53.0





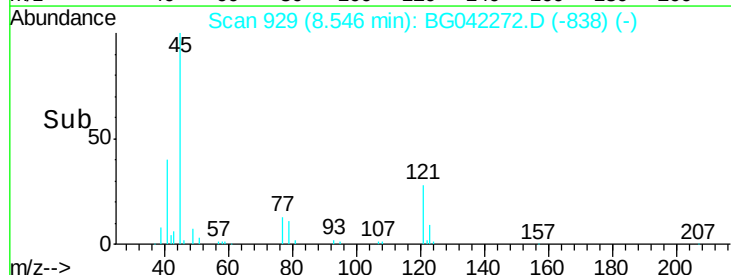
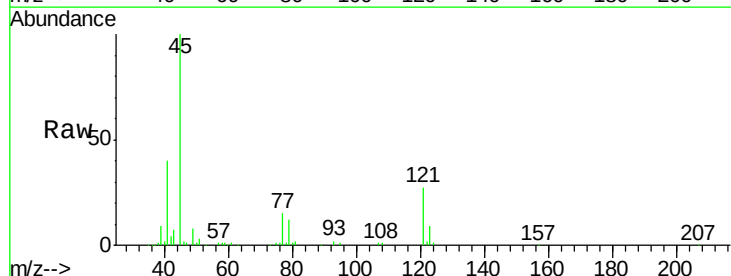
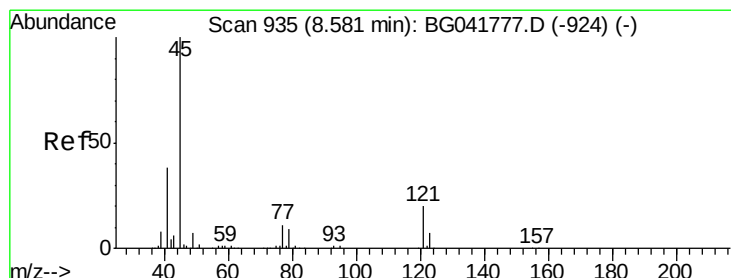
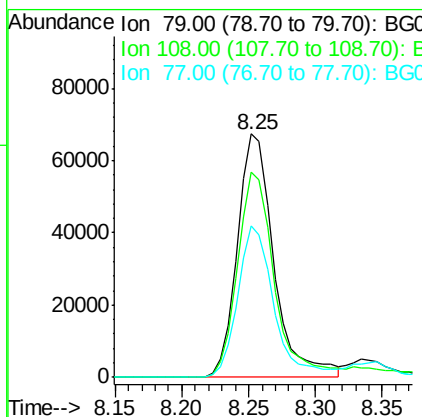
#15
Benzyl Alcohol
Concen: 39.113 ng
RT: 8.25 min Scan# 879
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tot Ion	Ratio	Resp	Lower	Upper
79	100	127955		
108	84.4	60.5	90.7	
77	62.1	50.6	75.8	

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

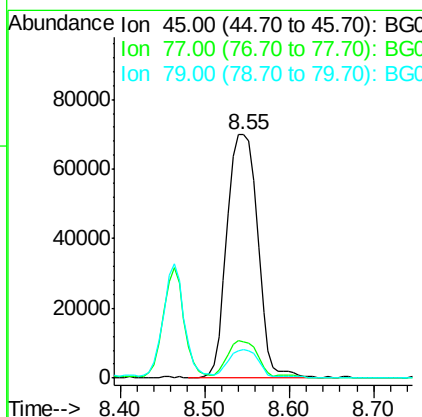
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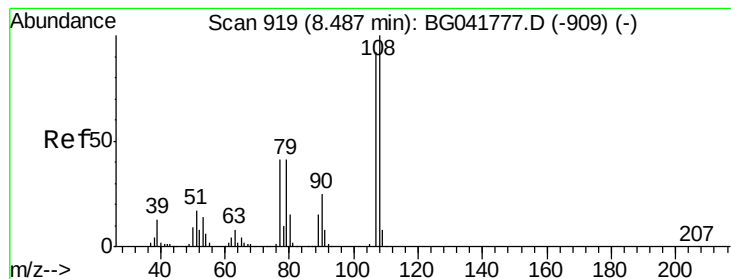
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 27.476 ng
RT: 8.55 min Scan# 929
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	173848		
77	14.8	0.0	30.4	
79	11.7	0.0	27.9	





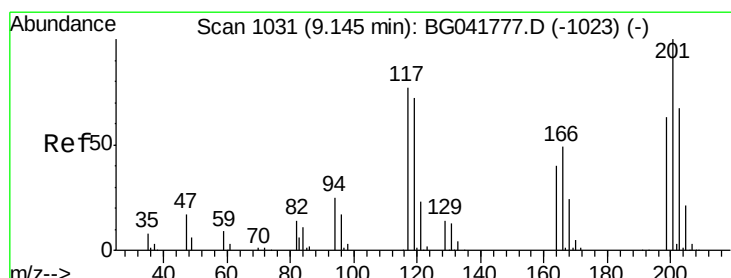
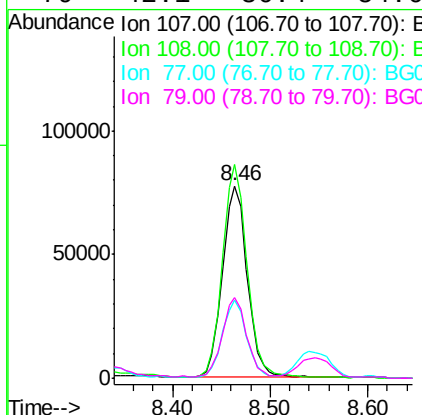
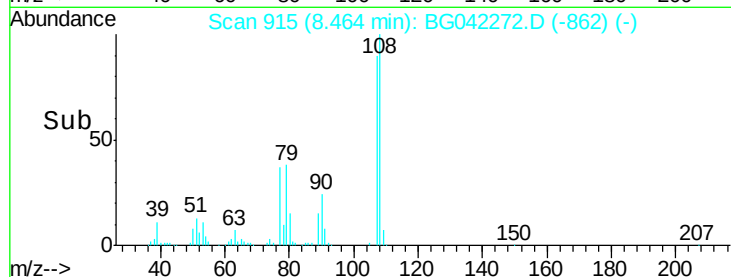
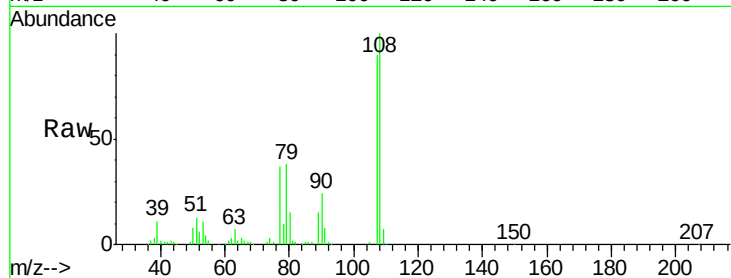
#17
2-Methylphenol
Concen: 43.276 ng
RT: 8.46 min Scan# 915
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.1	87.6	131.4	
77	40.8	36.1	54.1	
79	42.1	36.4	54.6	

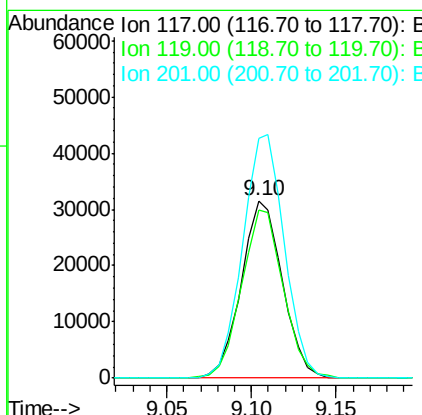
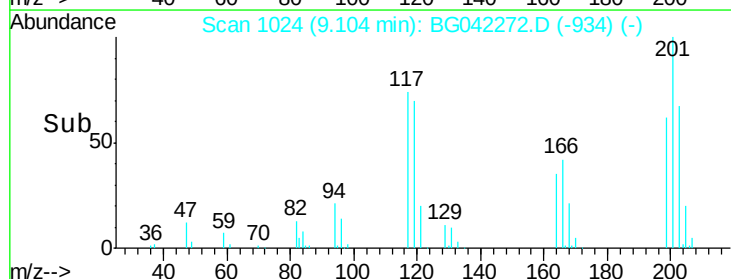
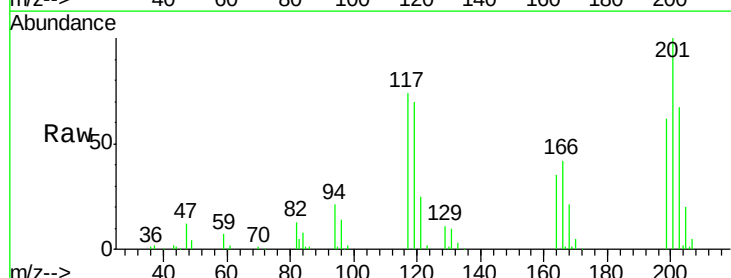
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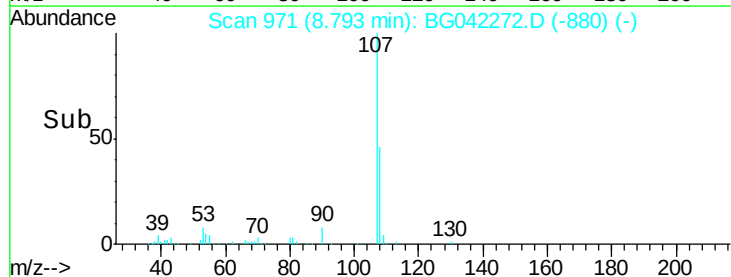
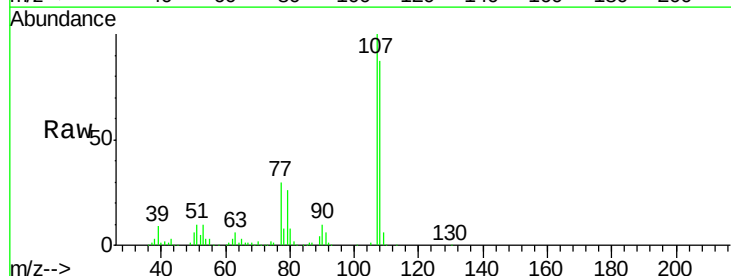
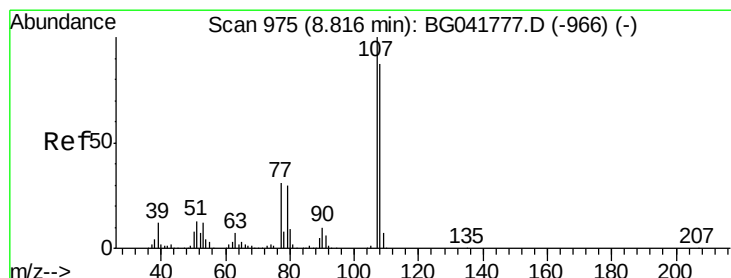
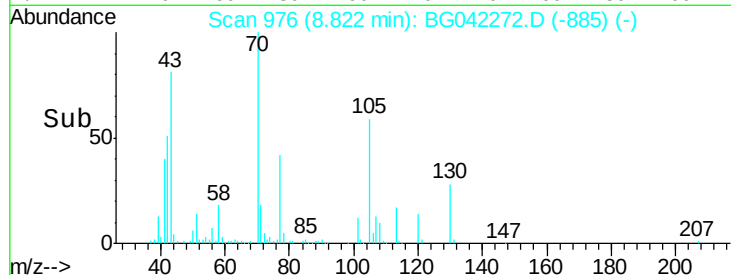
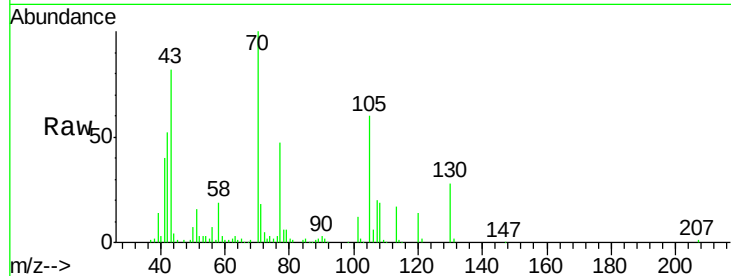
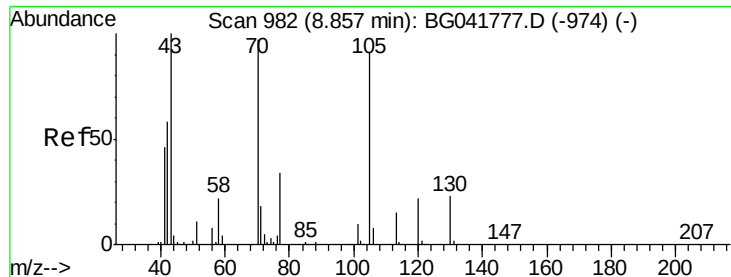
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#18
Hexachloroethane
Concen: 33.736 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	76.2	114.2	
201	134.9	94.1	141.1	





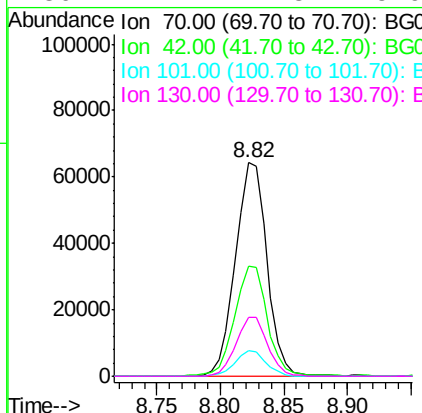
#19
n-Nitroso-di-n-propylamine
Concen: 36.601 ng
RT: 8.82 min Scan# 976
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	51.6	55.8	83.6#		
101	12.3	8.1	12.1#		
130	27.7	17.3	25.9#		

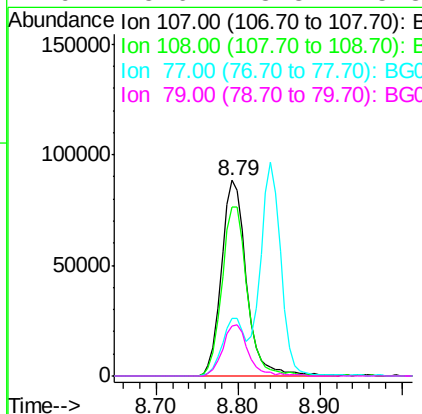
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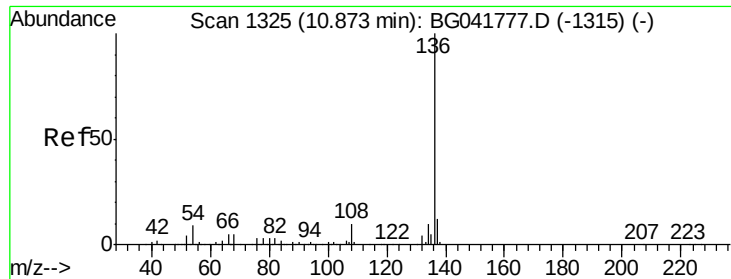
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#20
3+4-Methylphenols
Concen: 43.725 ng
RT: 8.79 min Scan# 971
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	86.6	67.5	107.5		
77	29.5	12.3	52.3		
79	25.6	8.3	48.3		





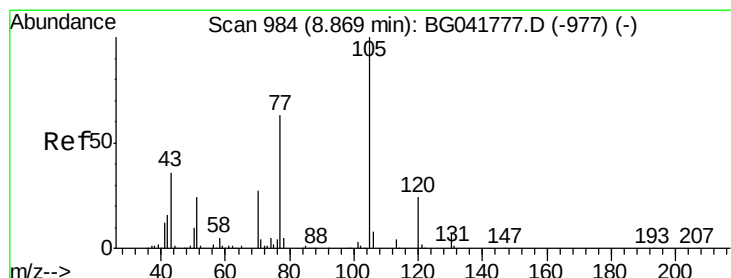
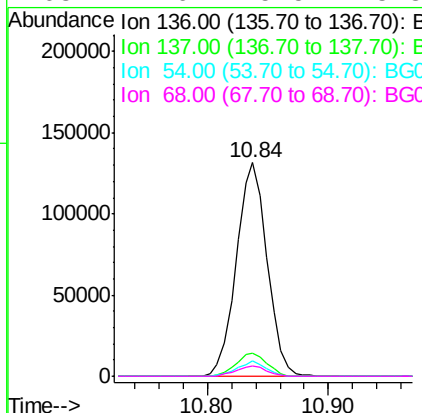
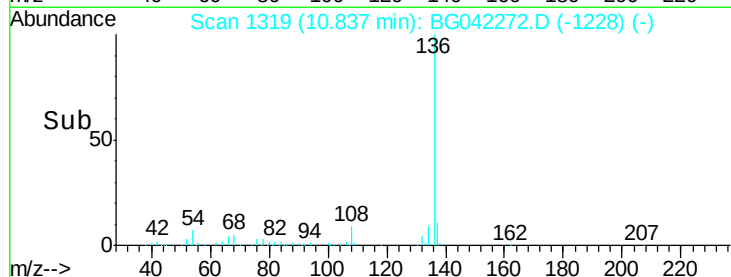
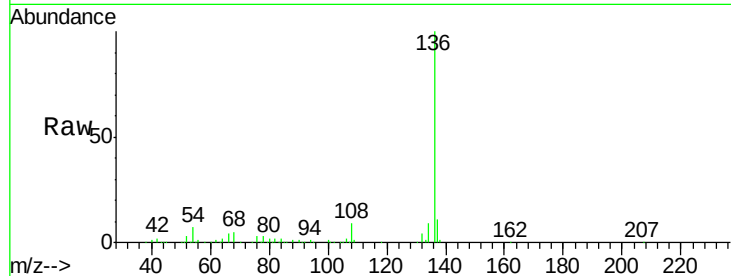
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	232810		
137	10.7	9.2	13.8	
54	7.0	8.7	13.1#	
68	4.6	5.5	8.3#	

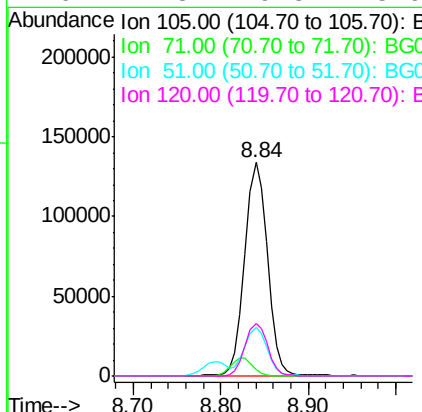
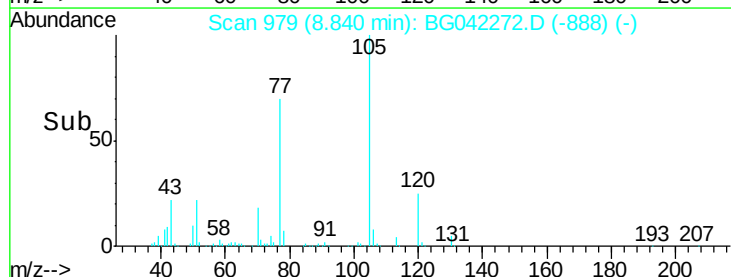
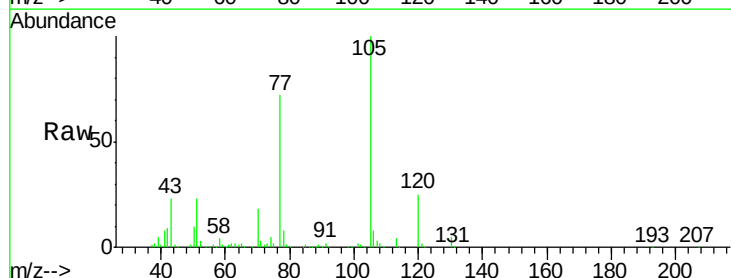
Manual Integrations
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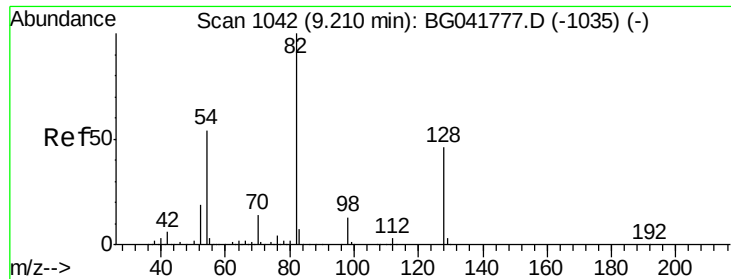
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#22
Acetophenone
Concen: 45.417 ng
RT: 8.84 min Scan# 979
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236503		
71	3.1	5.9	8.9#	
51	23.1	27.7	41.5#	
120	24.8	19.3	28.9	





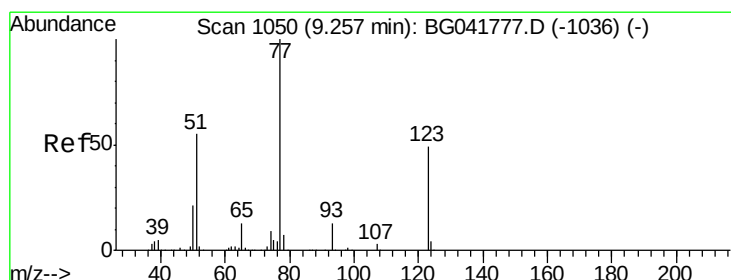
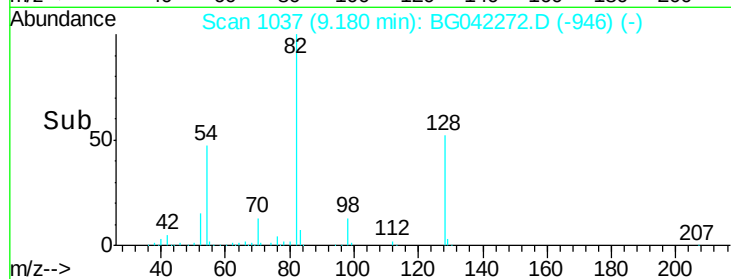
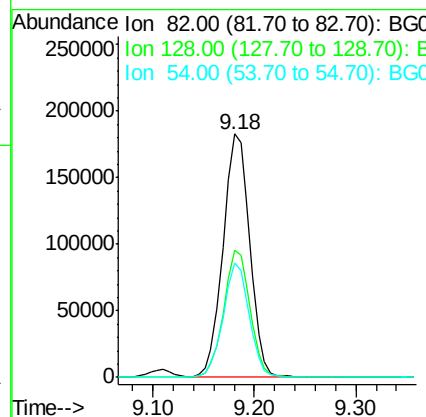
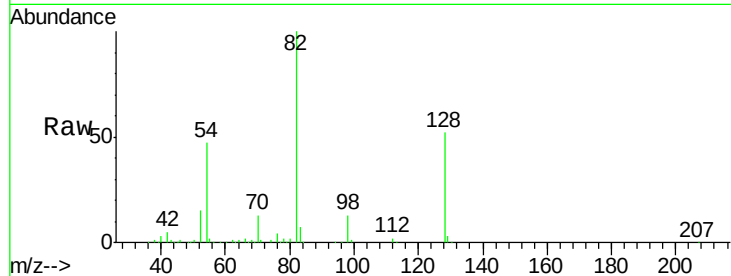
#23
 Nitrobenzene-d5
 Concen: 98.581 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	52.3	35.1	52.7		
54	46.9	48.7	73.1		

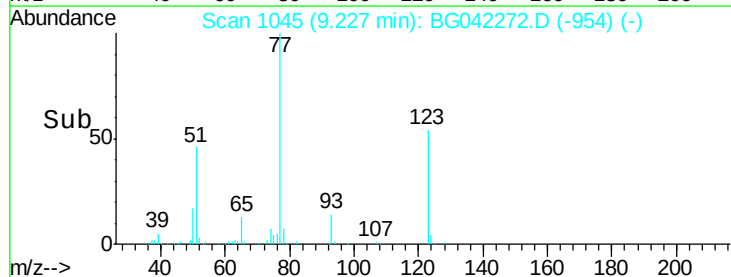
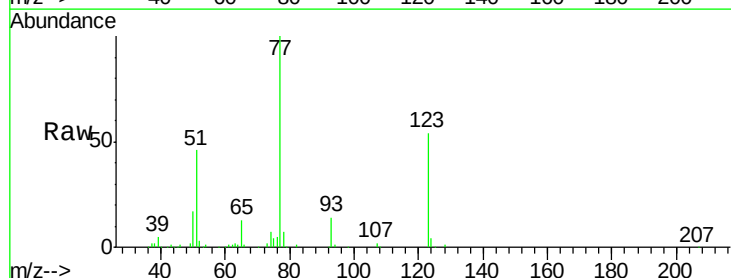
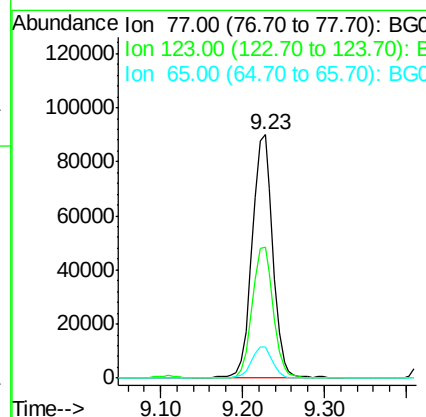
Manual Integrations
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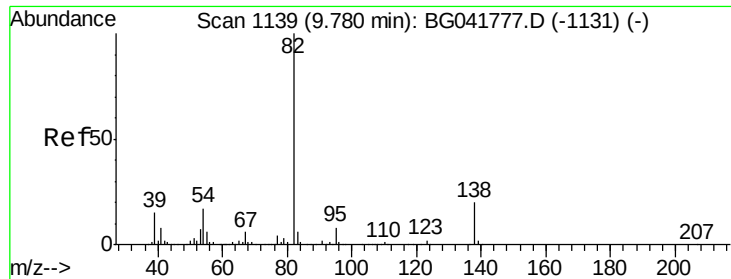
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#24
 Nitrobenzene
 Concen: 44.512 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
123	53.9	38.1	57.1		
65	12.7	11.0	16.6		





#25

Isophorone

Concen: 43.523 ng

RT: 9.75 min Scan# 1134

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

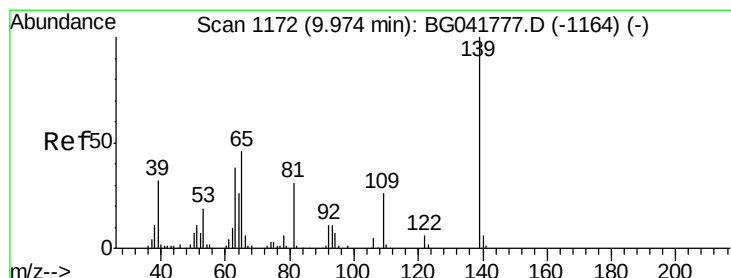
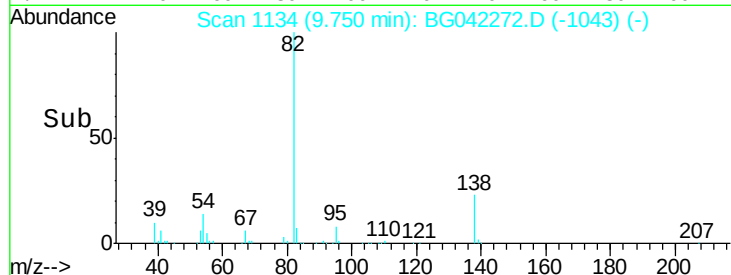
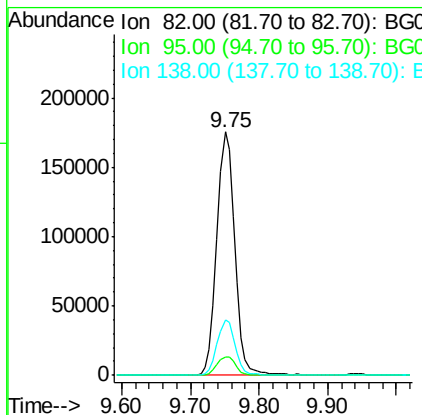
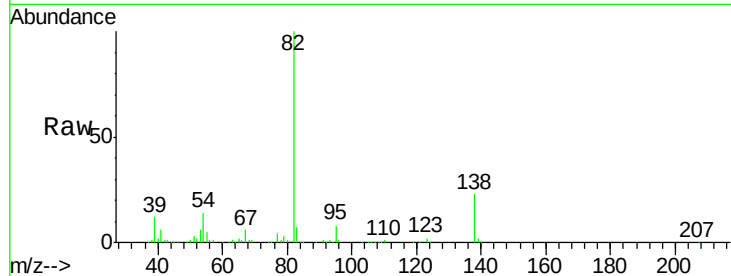
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	82	Resp:	320300
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.9	8.9
138	22.9	16.3	24.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 62.339 ng

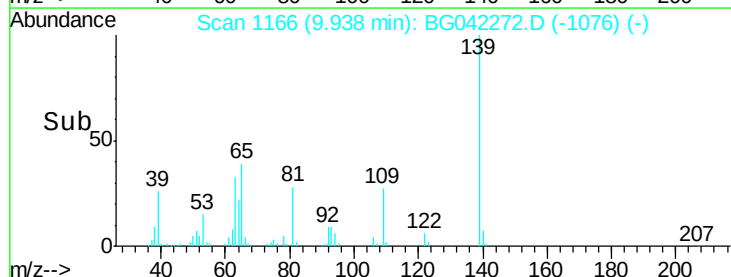
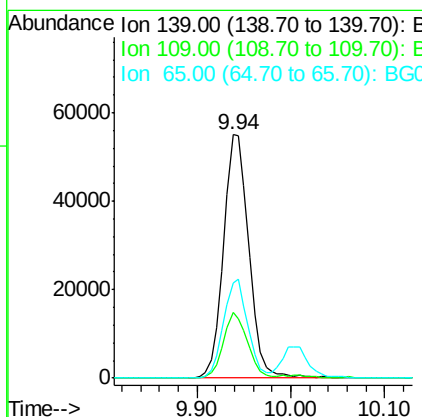
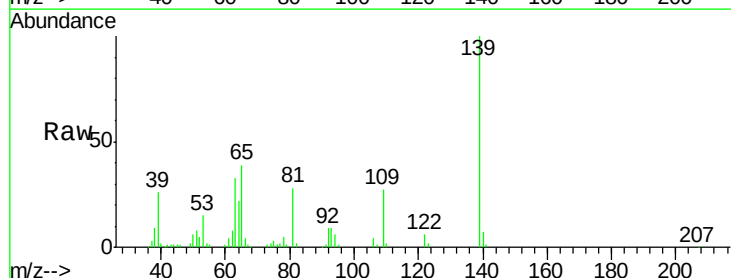
RT: 9.94 min Scan# 1166

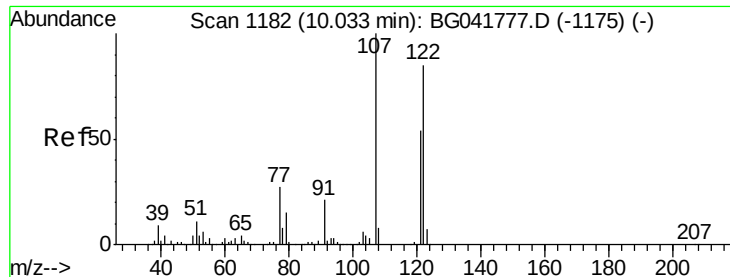
Delta R.T. -0.00 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	139	Resp:	103116
Ion Ratio	Lower	Upper	
139	100		
109	26.7	22.7	34.1
65	38.9	41.1	61.7#





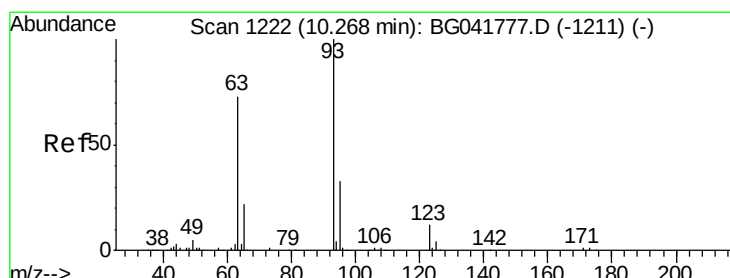
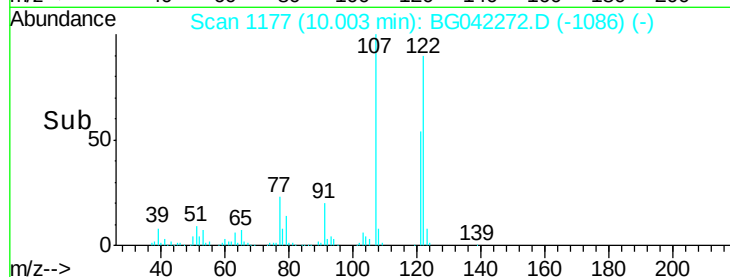
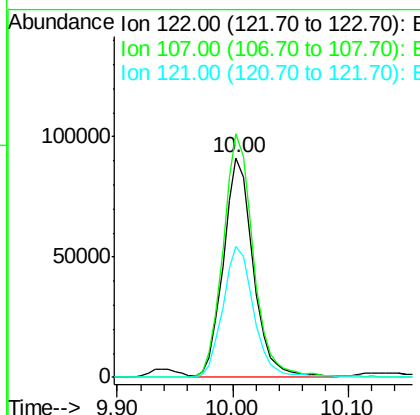
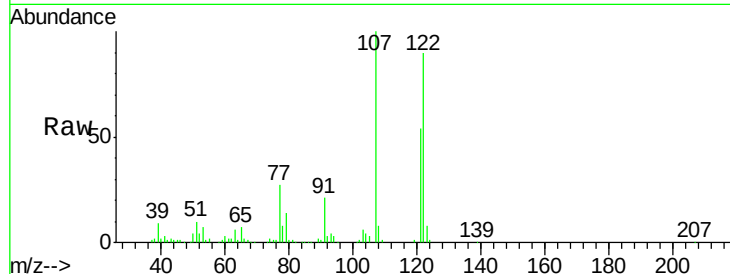
#27
2,4-Dimethylphenol
Concen: 55.491 ng
RT: 10.00 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	162003		
107	110.8	91.3	136.9	
121	59.5	49.2	73.8	

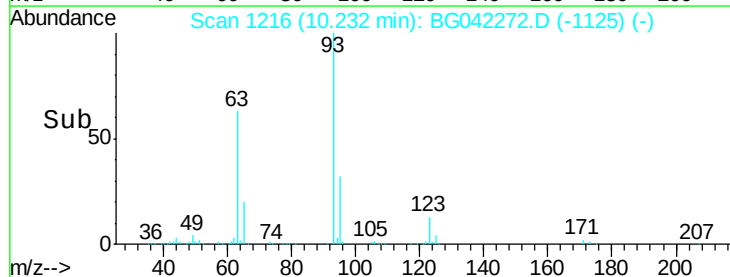
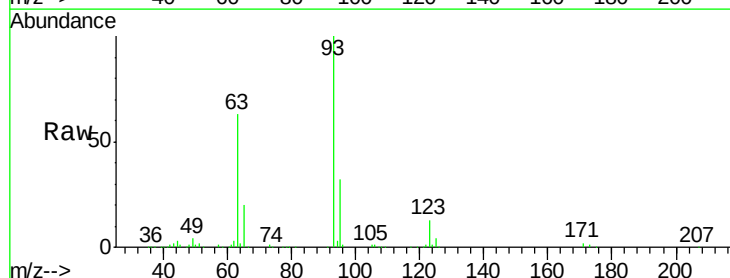
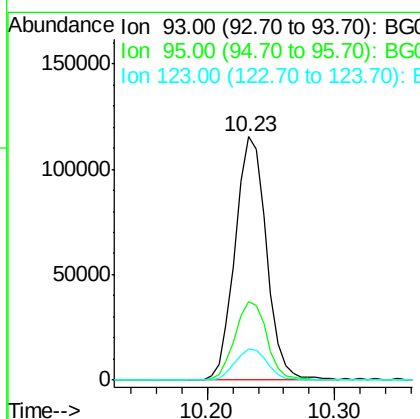
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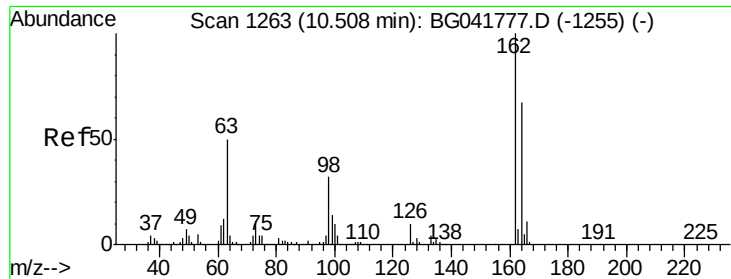
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#28
bis(2-Chloroethoxy)methane
Concen: 42.988 ng
RT: 10.23 min Scan# 1216
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	197700		
95	32.3	26.2	39.4	
123	12.9	9.9	14.9	





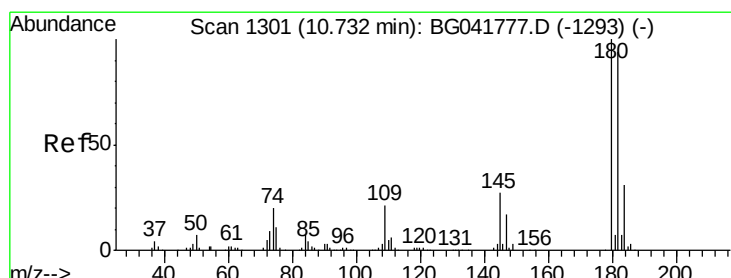
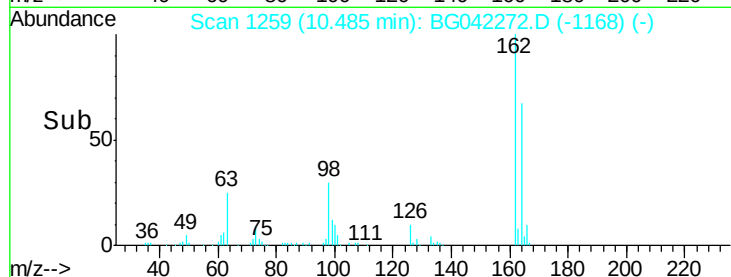
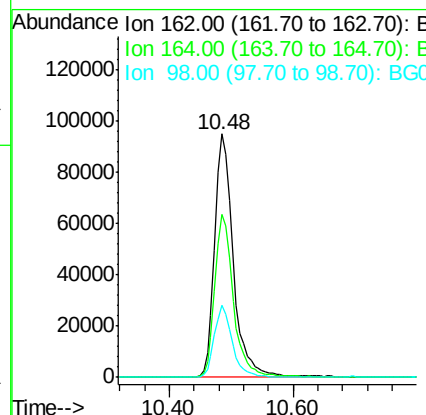
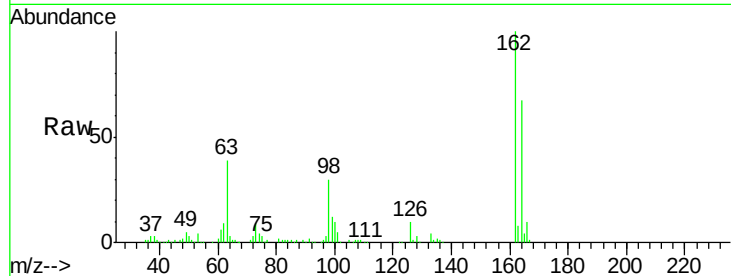
#29
 2,4-Dichlorophenol
 Concen: 55.915 ng
 RT: 10.48 min Scan# 1259
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.8	46.1	86.1
98	29.8	14.7	54.7

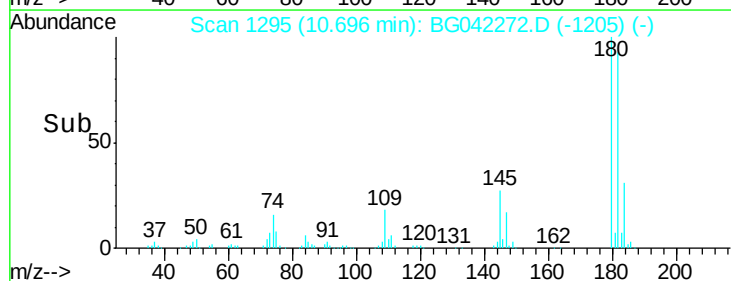
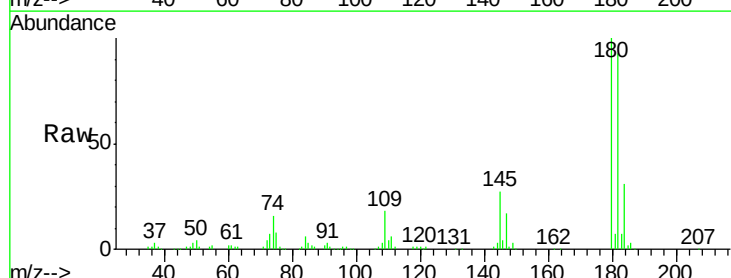
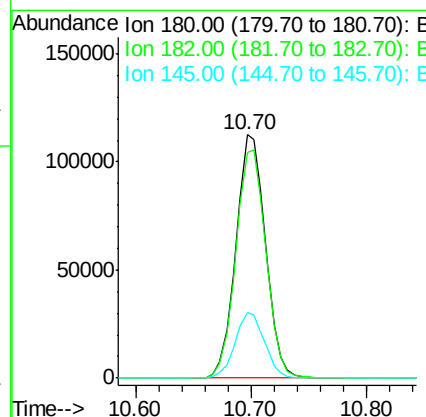
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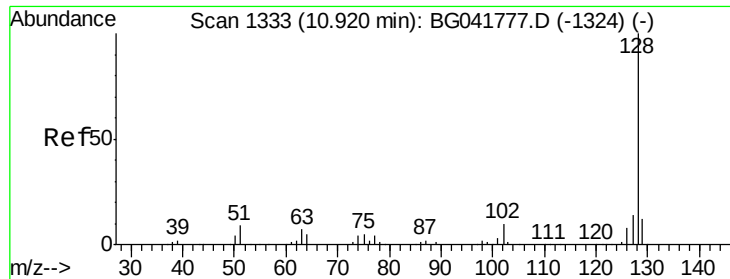
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#30
 1,2,4-Trichlorobenzene
 Concen: 44.103 ng
 RT: 10.70 min Scan# 1295
 Delta R.T. -0.00 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.2	114.2
145	26.9	23.8	35.8





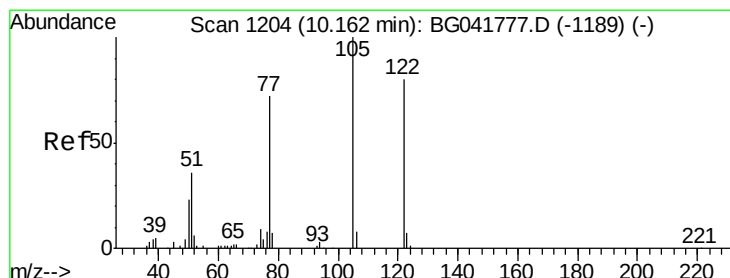
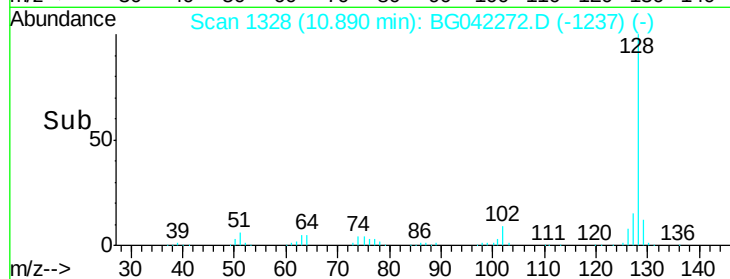
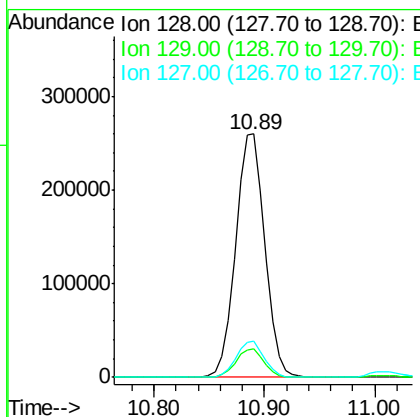
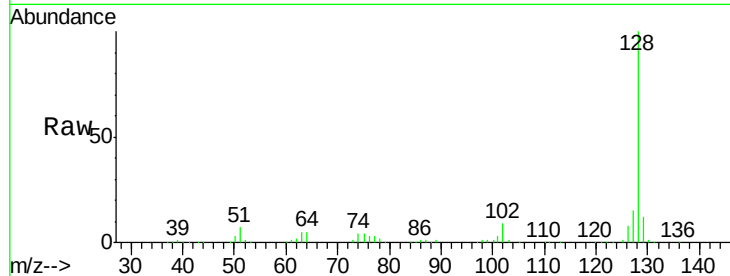
#31
Naphthalene
Concen: 45.198 ng
RT: 10.89 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	10.0	15.0
127	14.8	12.3	18.5

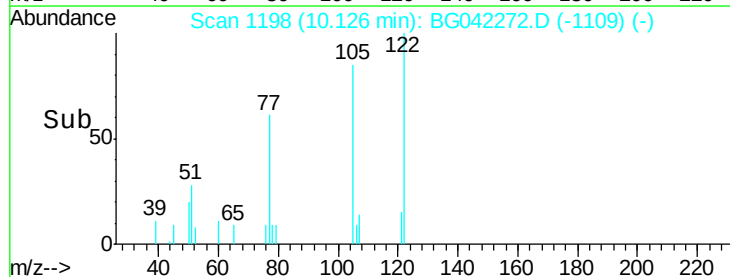
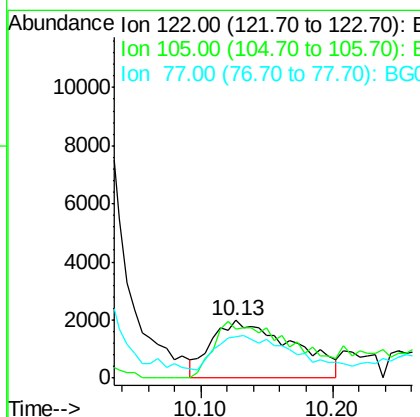
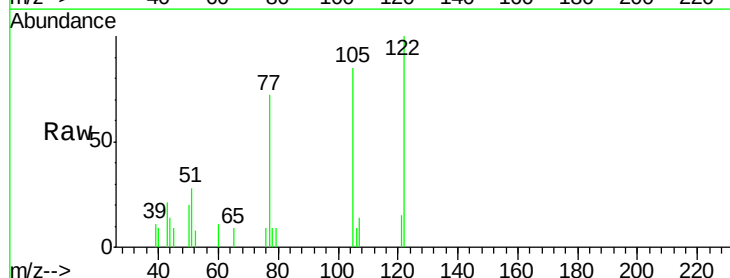
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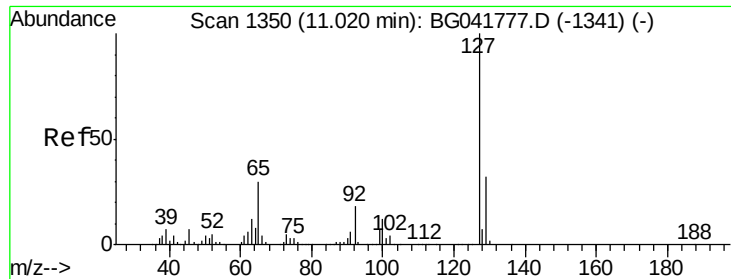
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#32
Benzoic acid
Concen: 12.077 ng m
RT: 10.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
122	100		
105	84.7	101.5	141.5#
77	72.1	73.0	113.0#





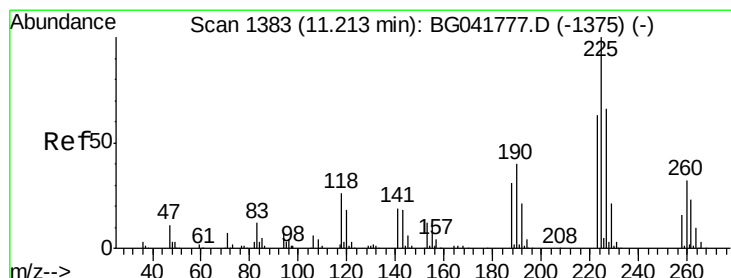
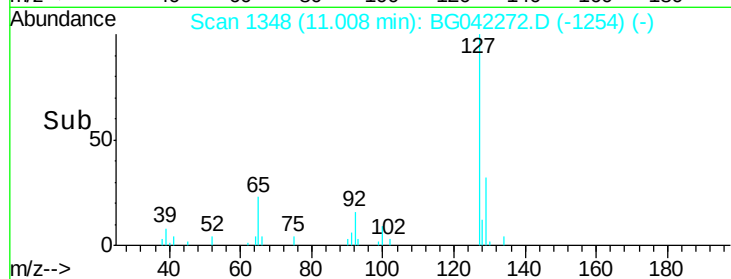
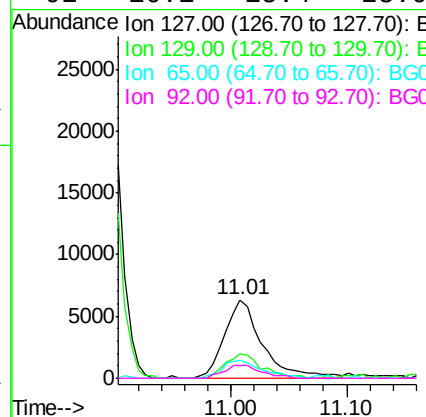
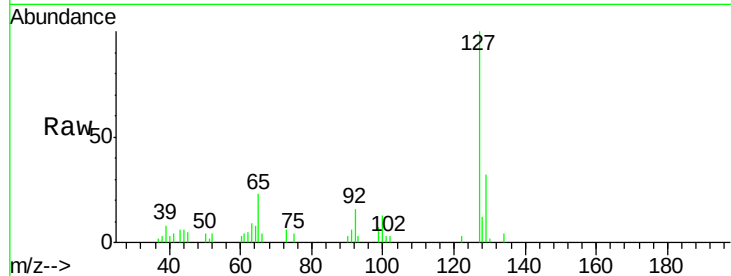
#33
4-Chloroaniline
Concen: 2.842 ng
RT: 11.01 min Scan# 1348
Delta R.T. 0.02 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.8	38.8
65	23.1	26.7	40.1
92	16.1	15.4	23.0

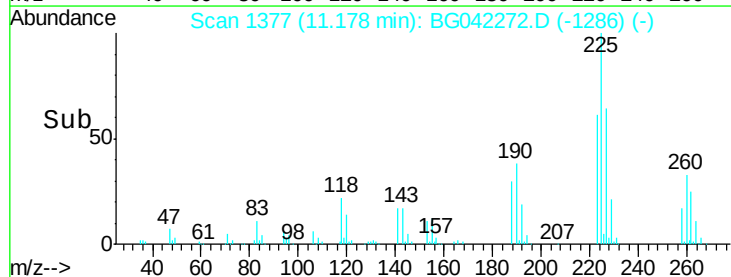
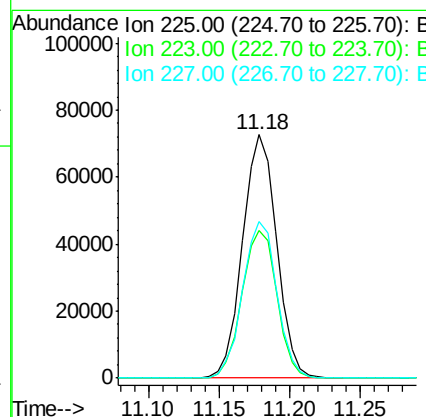
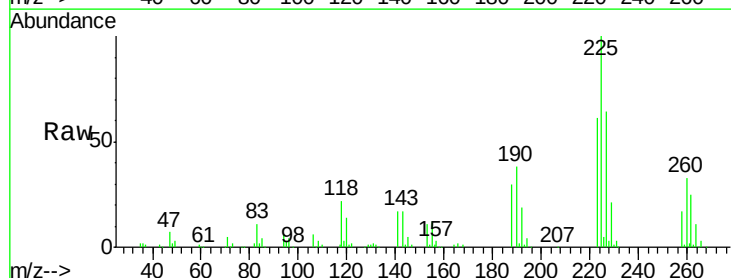
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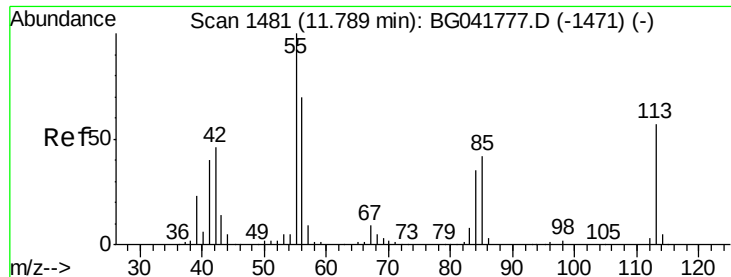
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#34
Hexachlorobutadiene
Concen: 40.460 ng
RT: 11.18 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	51.1	76.7
227	64.1	50.9	76.3





#35

Caprolactam

Concen: 38.730 ng/mL

RT: 11.77 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:113 Resp: 47852

Ion Ratio Lower Upper

113 100

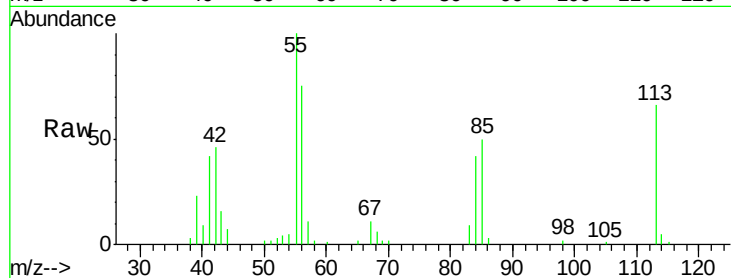
55 152.7 199.4 239.4#

56 115.0 133.6 173.6#

Manual Integrations
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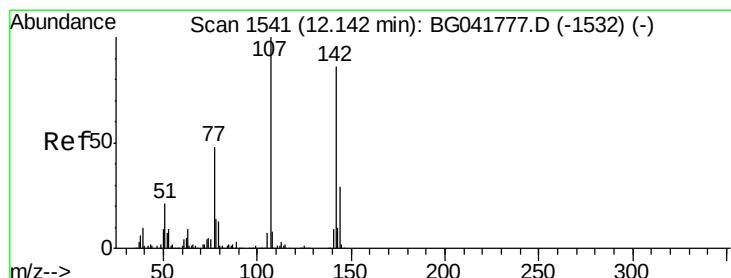
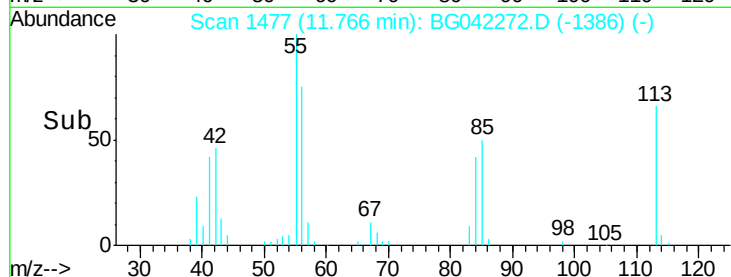
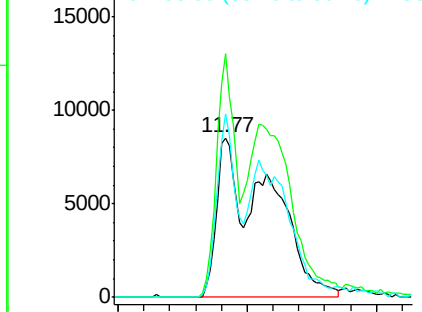
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 52.190 ng/mL

RT: 12.12 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

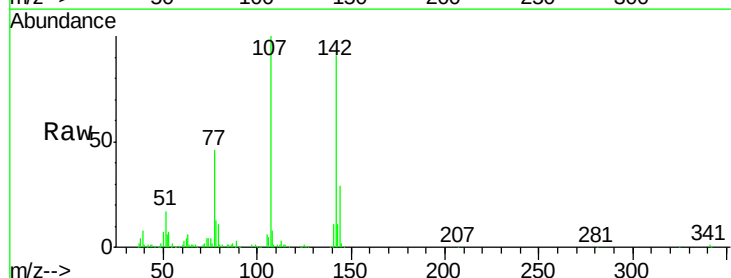
Tgt Ion:107 Resp: 183954

Ion Ratio Lower Upper

107 100

144 29.2 22.2 33.2

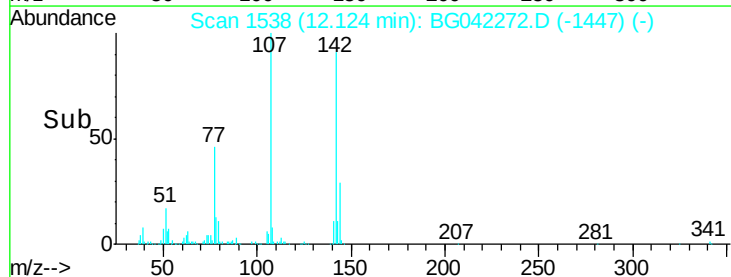
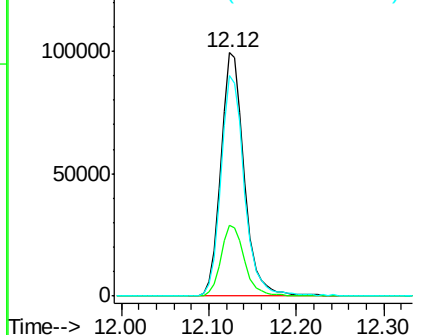
142 90.8 67.3 100.9

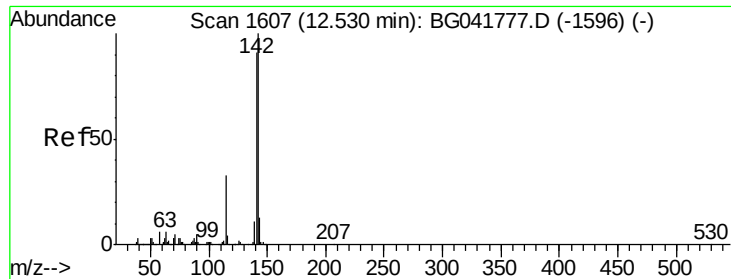


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.725 ng

RT: 12.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

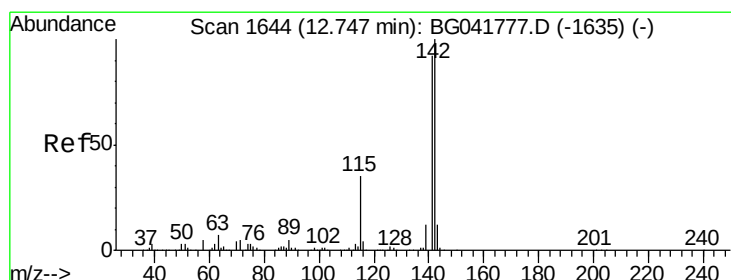
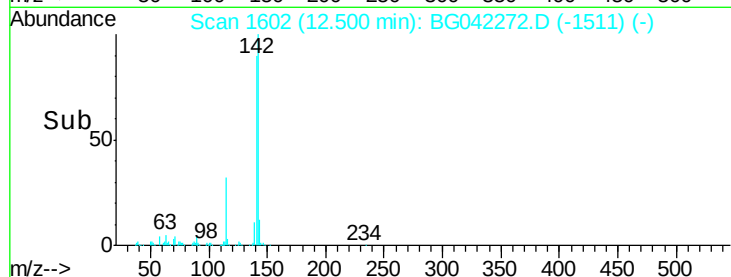
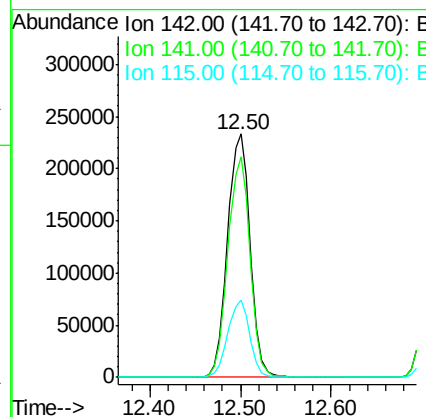
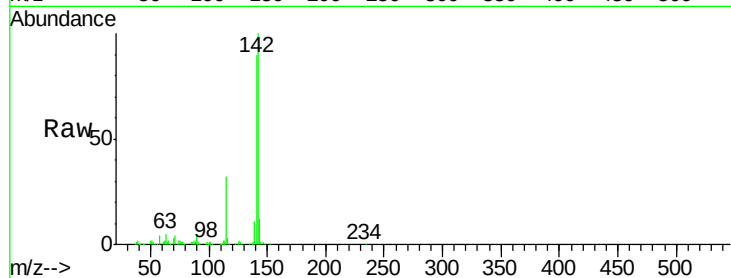
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	142	Resp:	402504
Ion Ratio	Lower	Upper	
142	100		
141	90.4	72.7	109.1
115	31.9	27.0	40.4

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#38

1-Methylnaphthalene

Concen: 48.315 ng

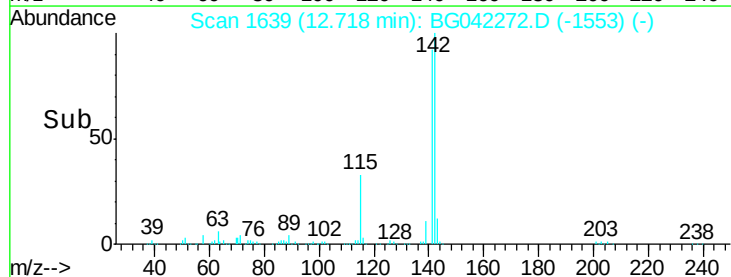
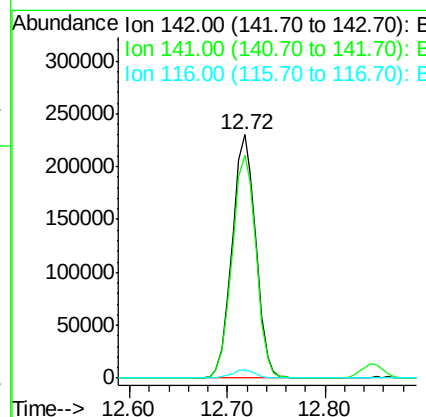
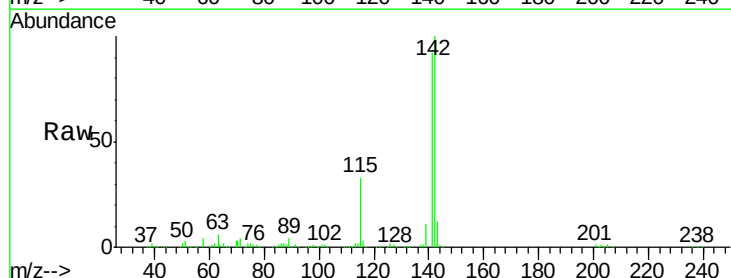
RT: 12.72 min Scan# 1639

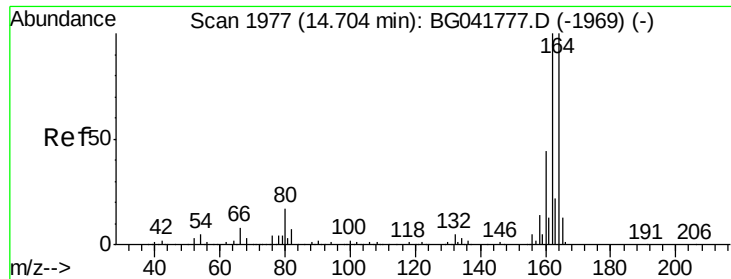
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	142	Resp:	386158
Ion Ratio	Lower	Upper	
142	100		
141	91.8	75.4	113.2
116	3.2	3.2	4.8





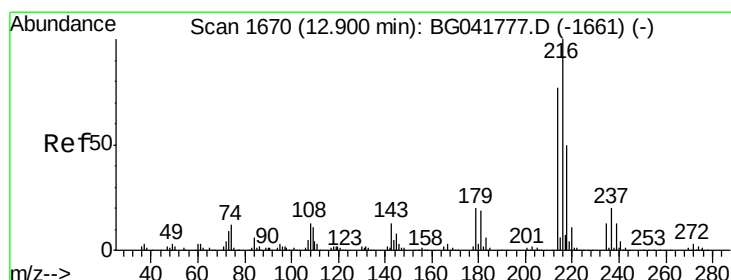
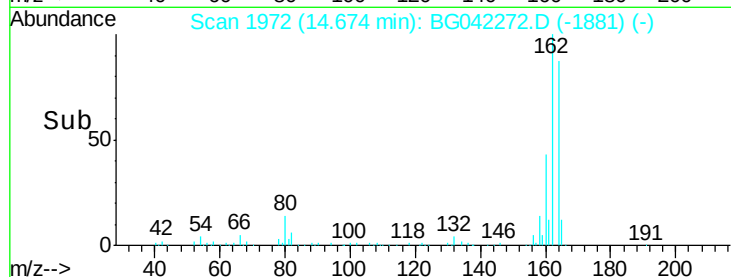
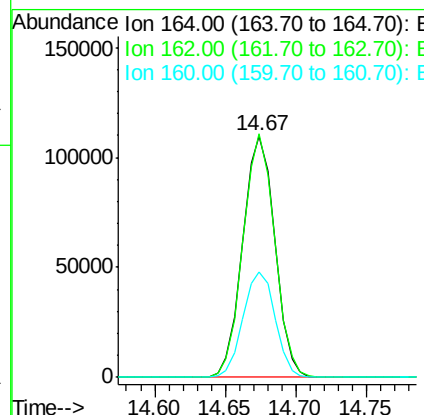
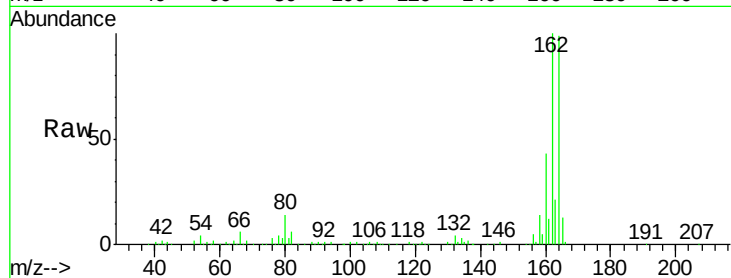
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.6	119.4
160	43.4	35.4	53.0

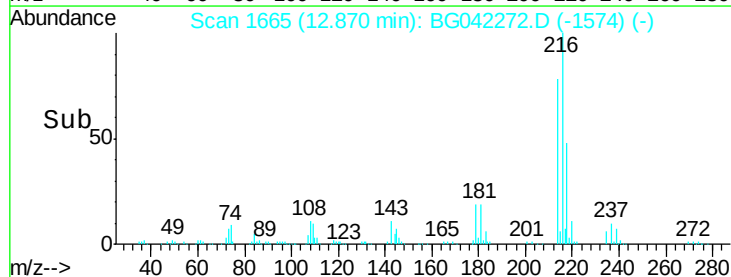
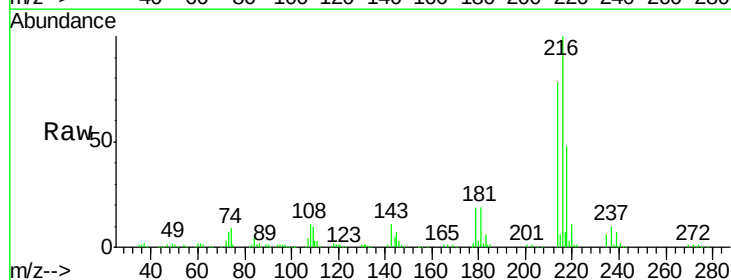
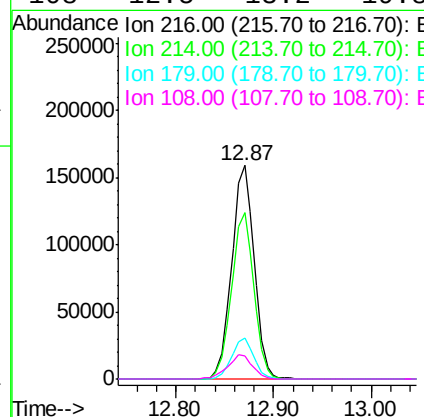
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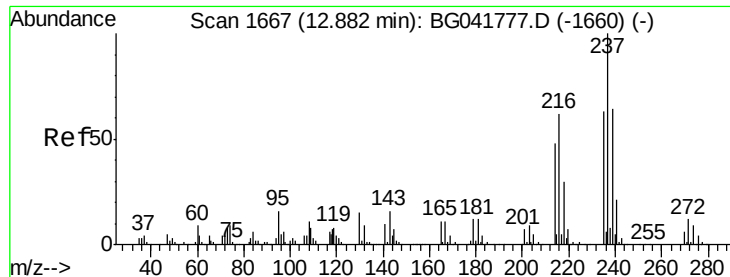
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.876 ng
 RT: 12.87 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.5	92.3
179	18.8	16.2	24.2
108	12.5	13.2	19.8#





#41

Hexachlorocyclopentadiene

Concen: 74.079 ng

RT: 12.85 min Scan# 1661

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

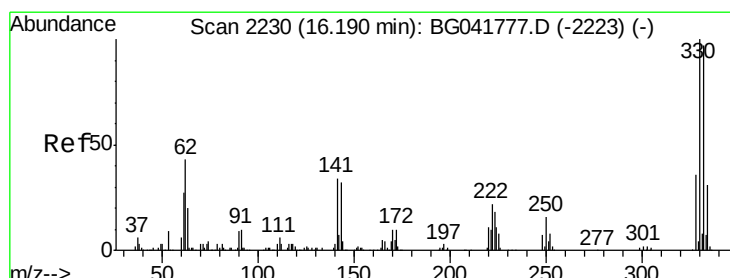
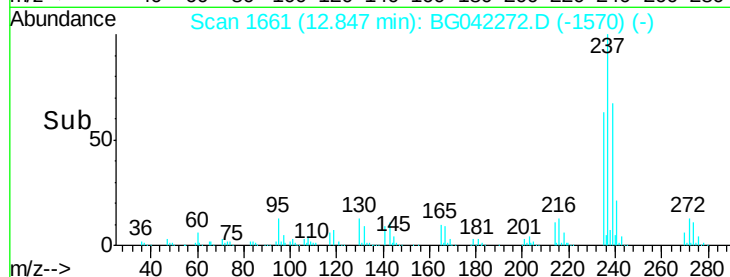
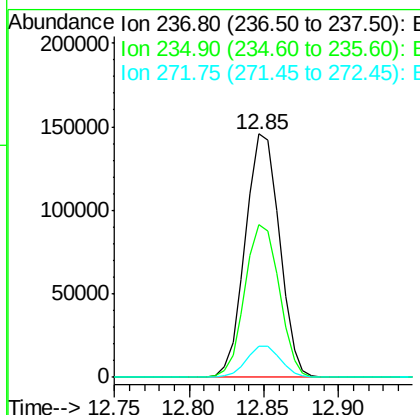
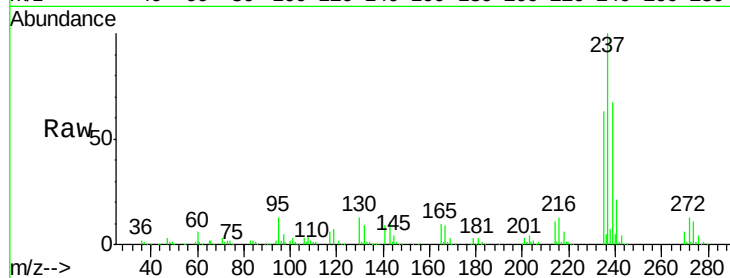
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	237	Resp:	230688
Ion Ratio	Lower	Upper	
237	100		
235	62.7	43.5	83.5
272	12.5	0.0	31.2

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 172.644 ng

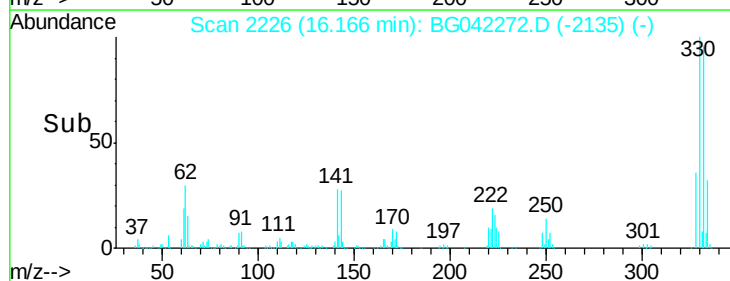
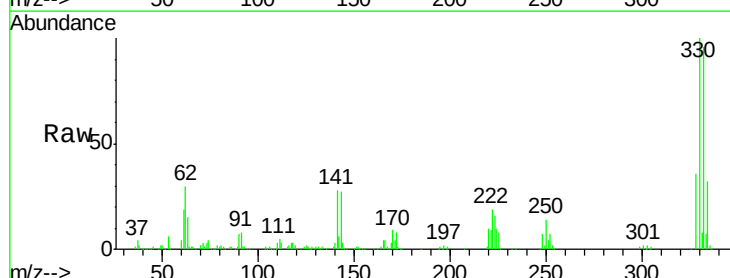
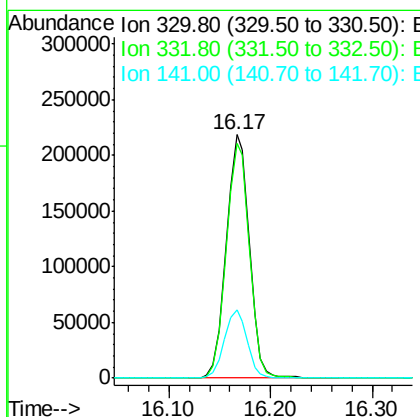
RT: 16.17 min Scan# 2226

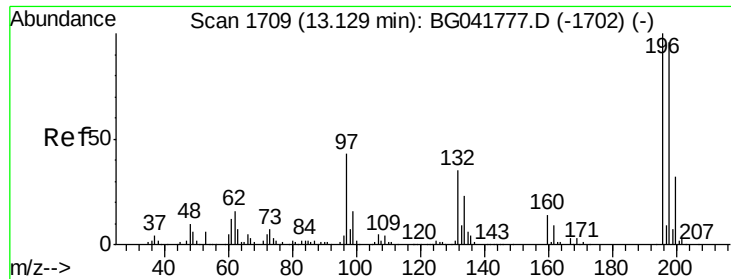
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	330	Resp:	343133
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.4	116.0
141	27.7	31.9	47.9#





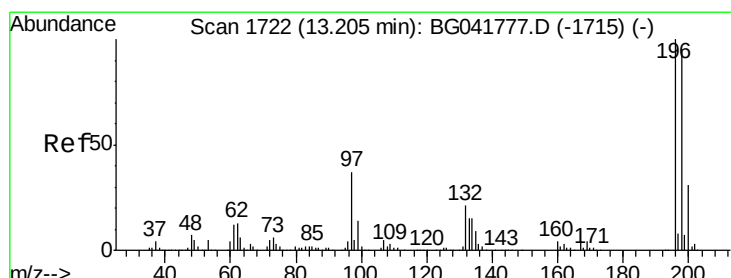
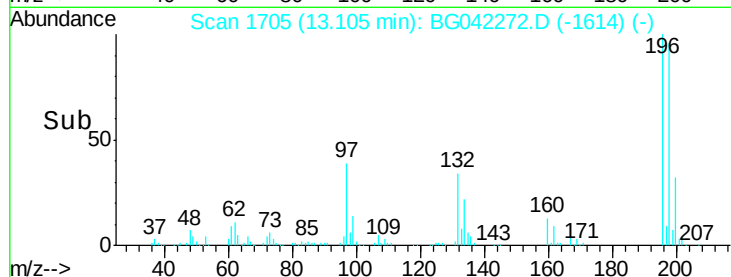
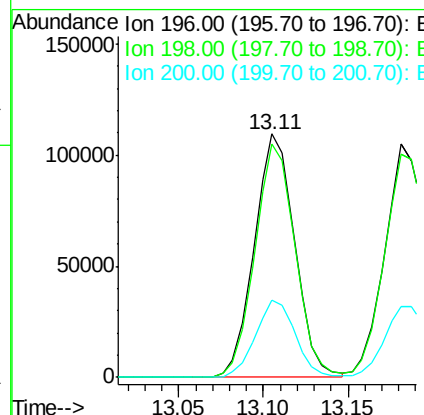
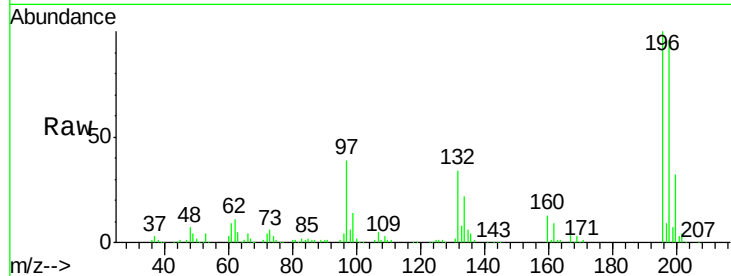
#43
 2,4,6-Trichlorophenol
 Concen: 52.044 ng
 RT: 13.11 min Scan# 1705
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	182195		
198	95.7	79.6	119.4	
200	31.6	25.2	37.8	

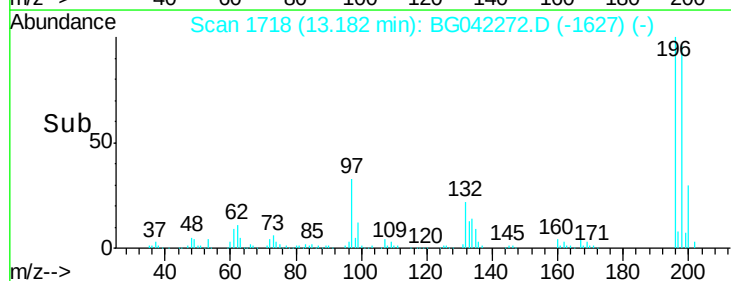
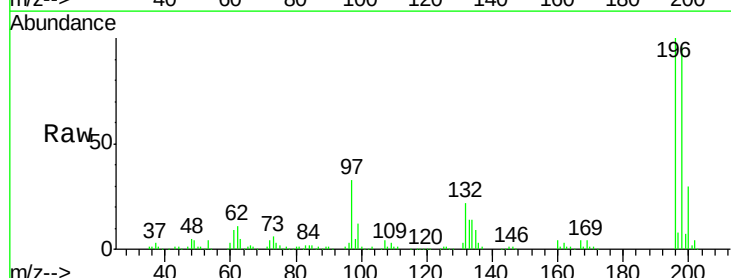
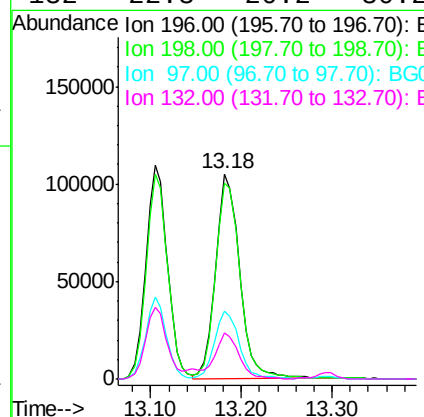
Manual Integrations
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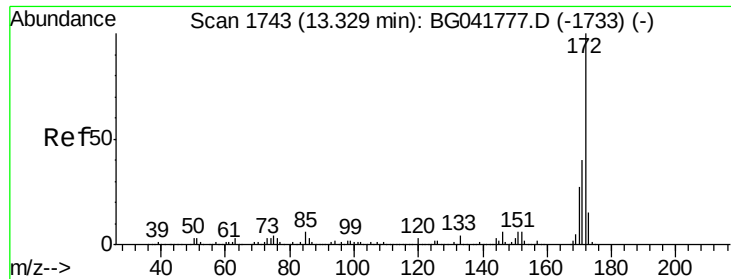
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#44
 2,4,5-Trichlorophenol
 Concen: 53.158 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	193386		
198	95.7	80.6	121.0	
97	33.1	33.9	50.9	
132	22.3	20.2	30.2	





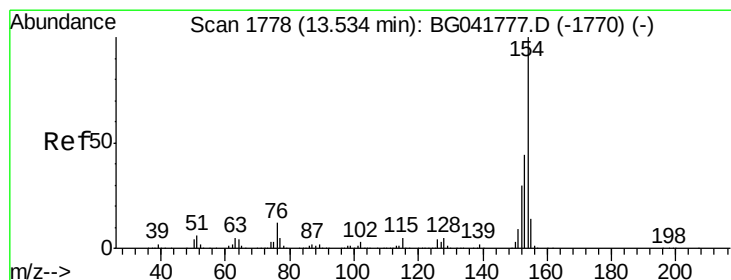
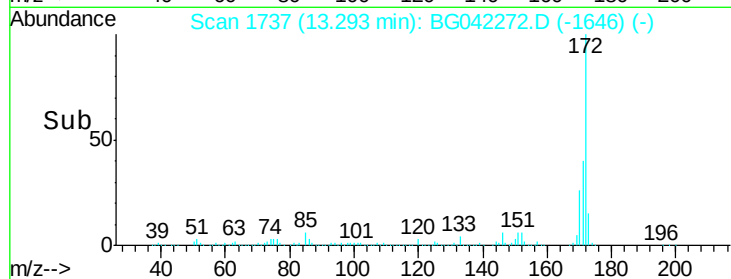
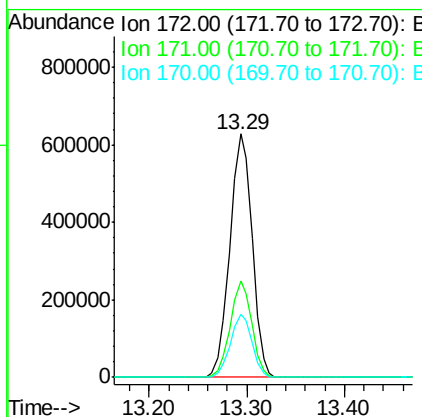
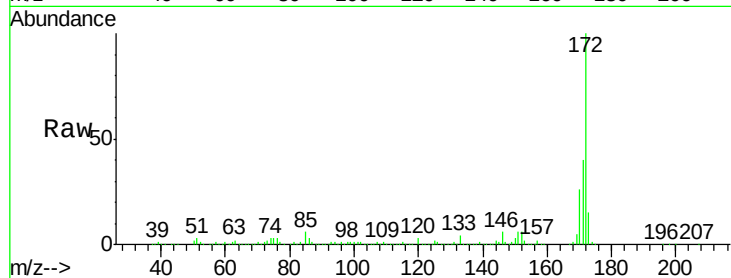
#45
 2-Fluorobiphenyl
 Concen: 100.116 ng
 RT: 13.29 min Scan# 1737
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.8	35.0	52.4
170	26.0	23.5	35.3

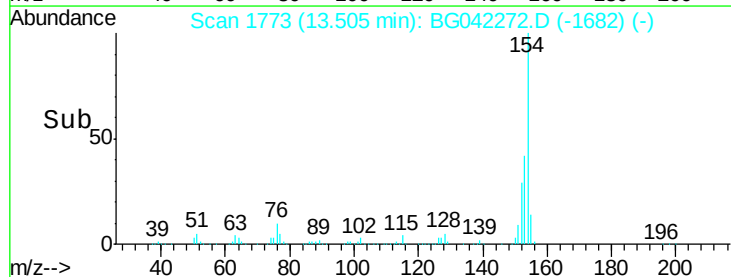
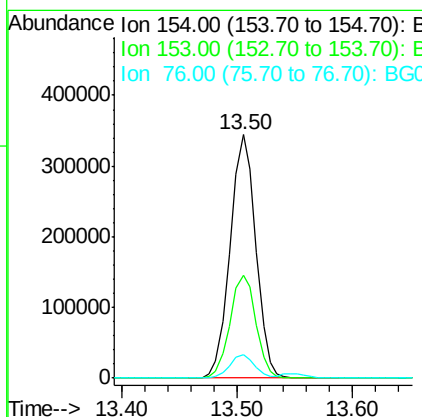
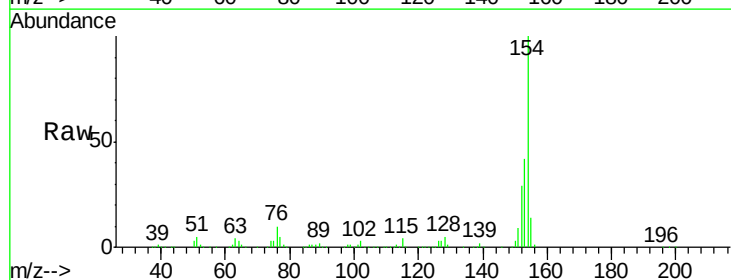
Manual Integrations
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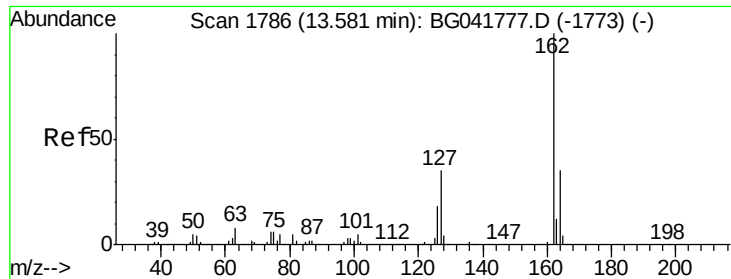
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#46
 1,1'-Biphenyl
 Concen: 46.999 ng
 RT: 13.50 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	25.0	65.0
76	9.8	0.0	34.5





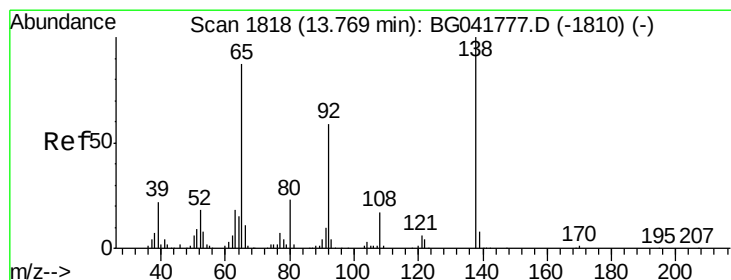
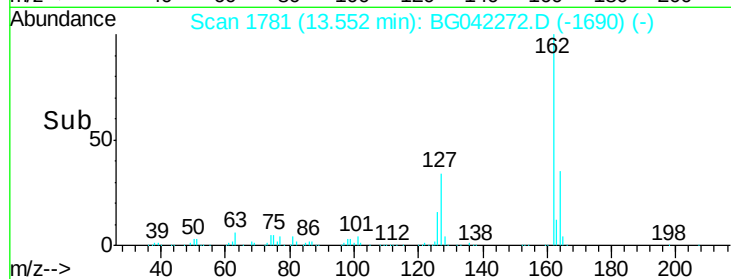
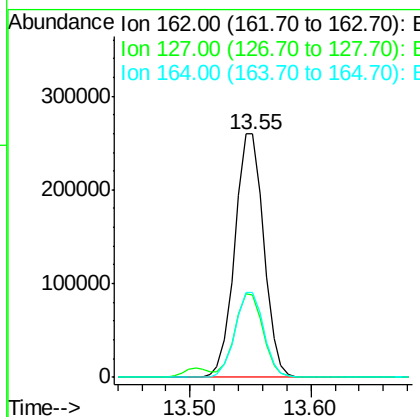
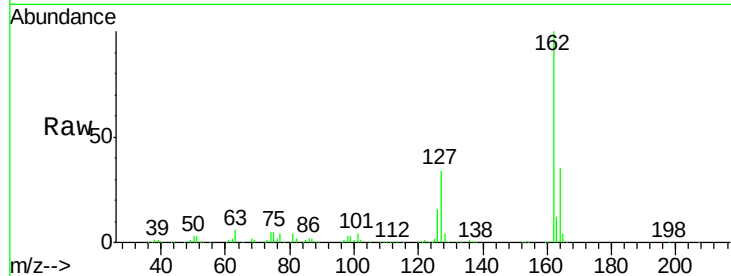
#47
 2-Chloronaphthalene
 Concen: 45.439 ng
 RT: 13.55 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	435148		
127	34.0		30.4	45.6
164	34.9		28.6	42.8

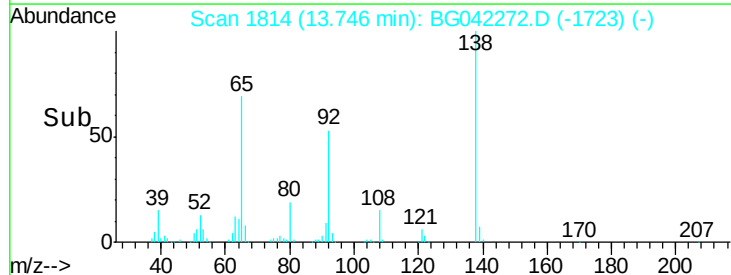
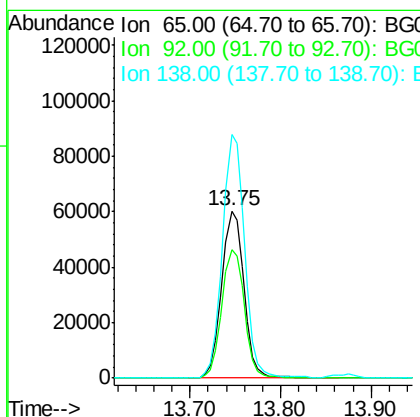
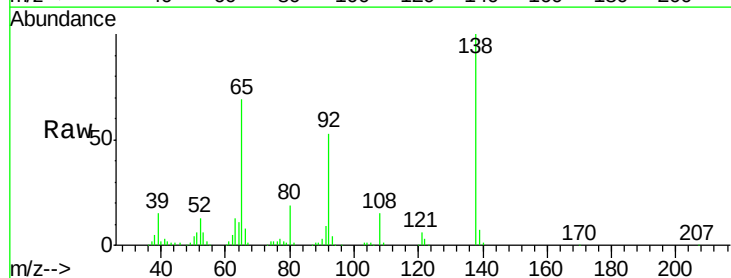
Manual Integrations
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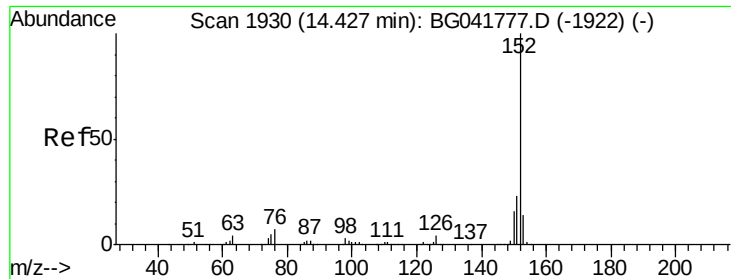
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#48
 2-Nitroaniline
 Concen: 42.625 ng
 RT: 13.75 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	103528		
92	76.9		53.9	80.9
138	145.6		83.5	125.3





#49

Acenaphthylene

Concen: 48.591 ng

RT: 14.40 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

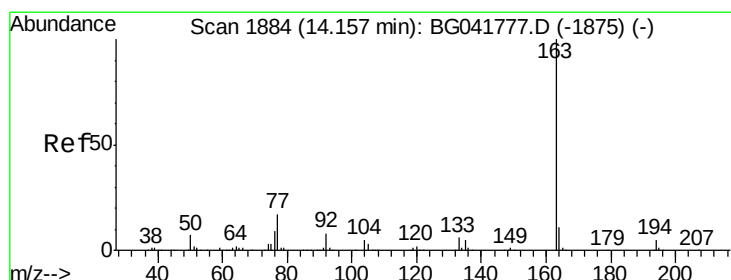
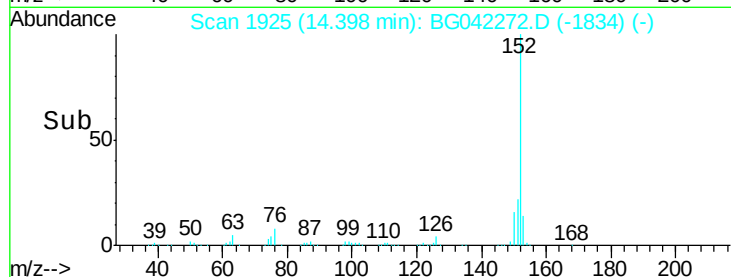
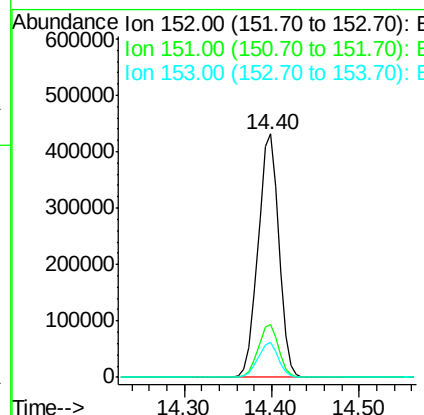
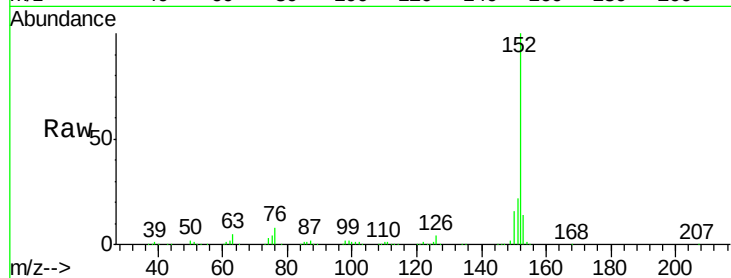
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	152	Resp:	696063
Ion Ratio	Lower	Upper	
152	100		
151	21.9	18.7	28.1
153	14.2	12.4	18.6

Manual Integrations
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#50

Dimethylphthalate

Concen: 49.329 ng

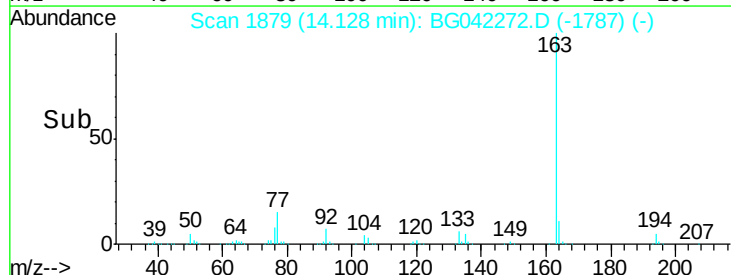
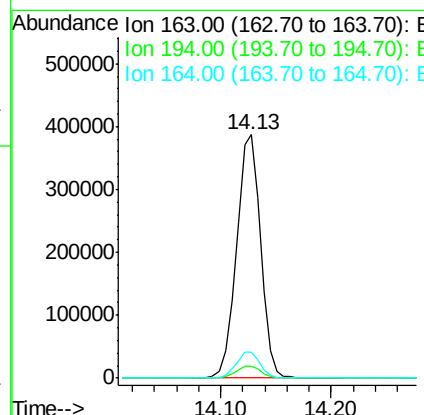
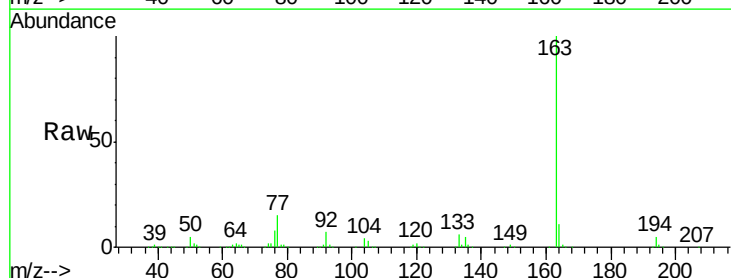
RT: 14.13 min Scan# 1879

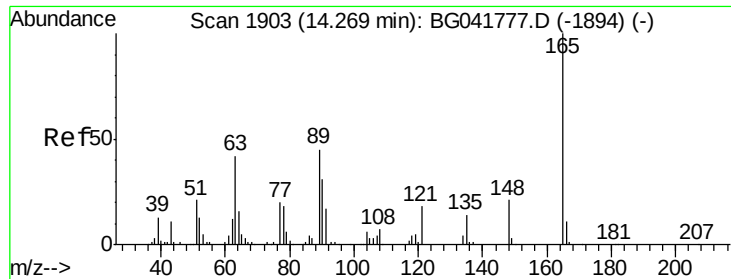
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	163	Resp:	589496
Ion Ratio	Lower	Upper	
163	100		
194	5.1	4.2	6.2
164	10.9	9.4	14.2





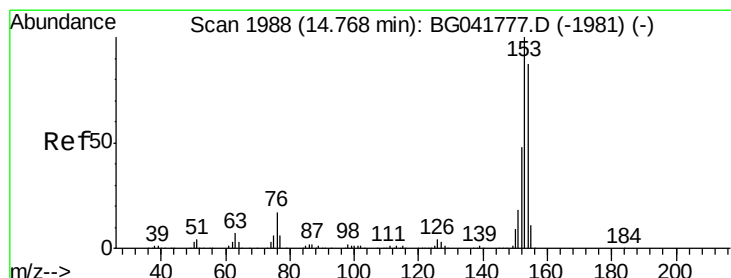
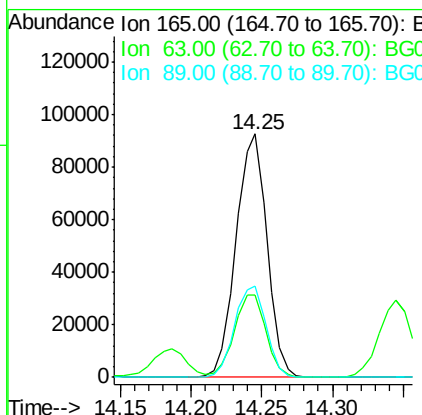
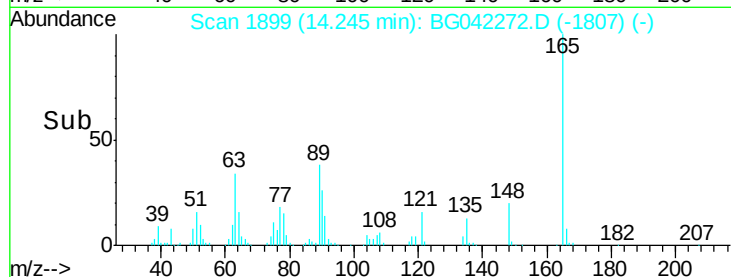
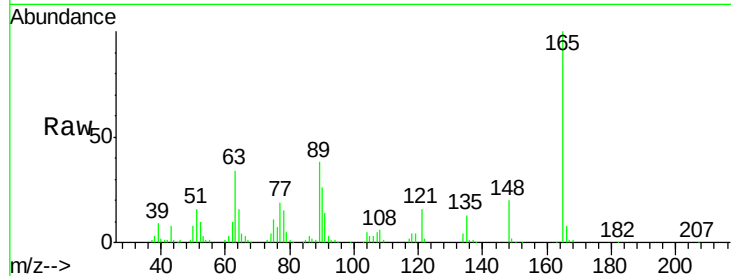
#51
 2,6-Dinitrotoluene
 Concen: 56.636 ng
 RT: 14.25 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	141524		
63	34.0	42.4	63.6#	
89	37.6	42.1	63.1#	

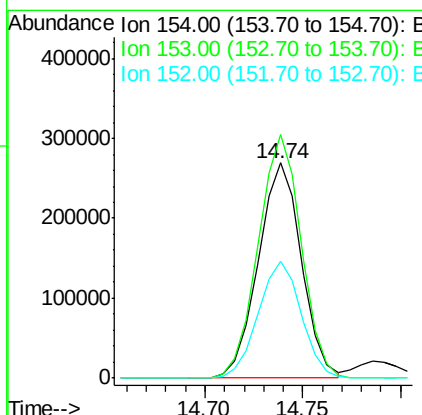
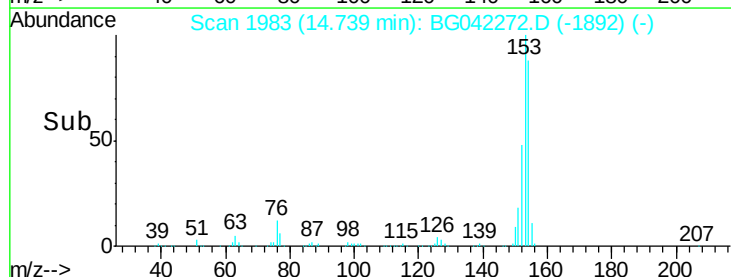
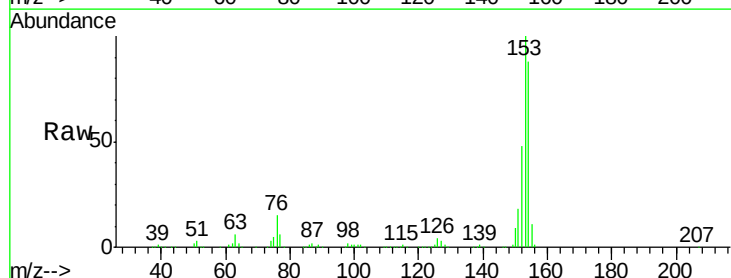
Manual Integrations
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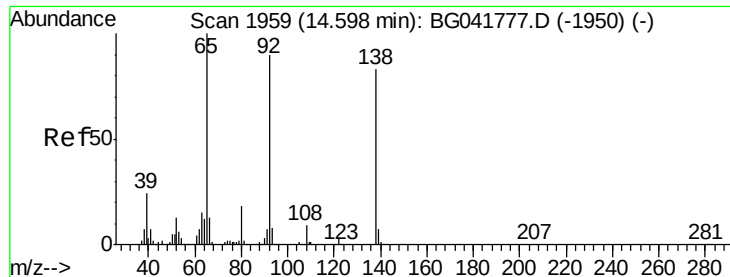
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#52
 Acenaphthene
 Concen: 44.084 ng
 RT: 14.74 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	410732		
153	113.3	89.8	134.6	
152	54.6	44.9	67.3	





#53

3-Nitroaniline

Concen: 16.241 ng

RT: 14.57 min Scan# 1955

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

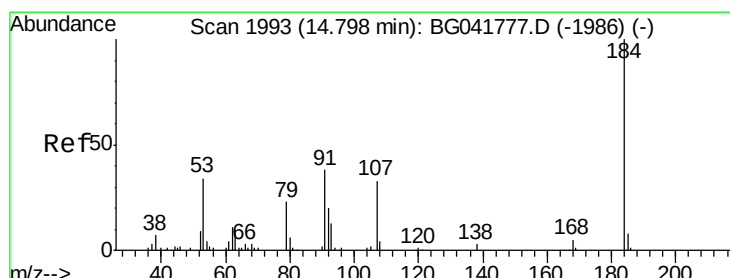
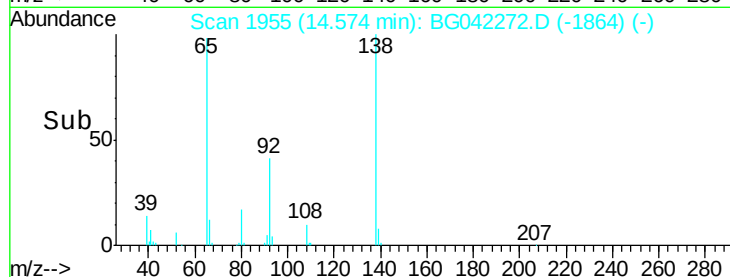
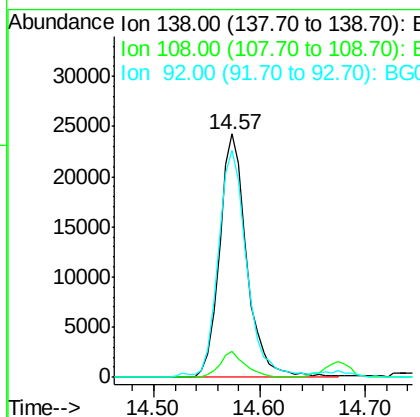
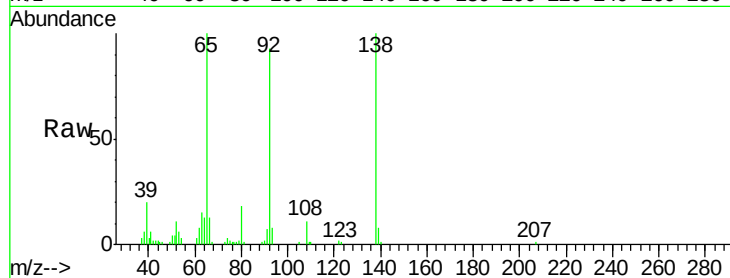
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:138	Resp:	43417
Ion Ratio	Lower	Upper
138	100	
108	10.9	10.3 15.5
92	93.4	93.0 139.4

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#54

2,4-Dinitrophenol

Concen: 60.927 ng

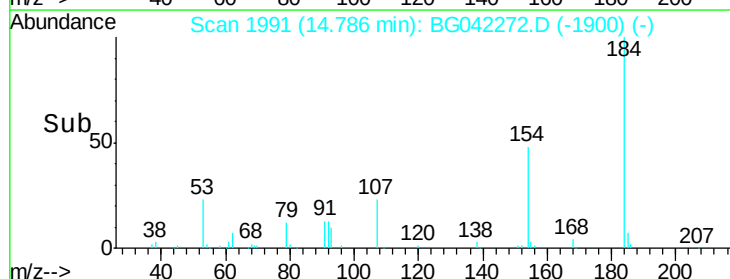
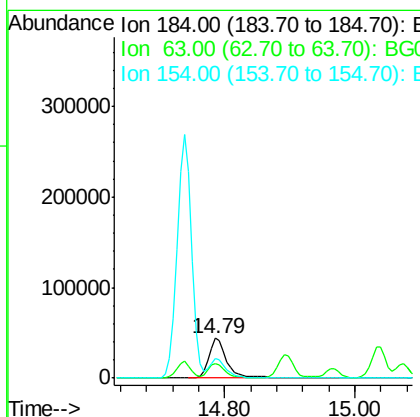
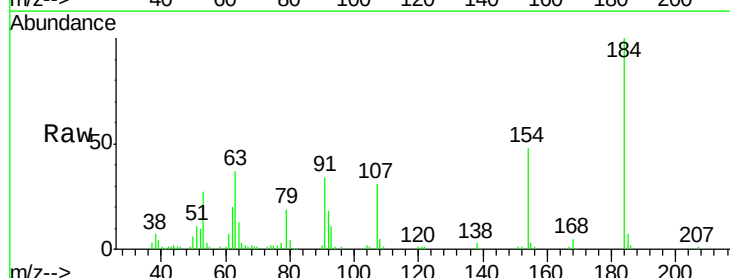
RT: 14.79 min Scan# 1991

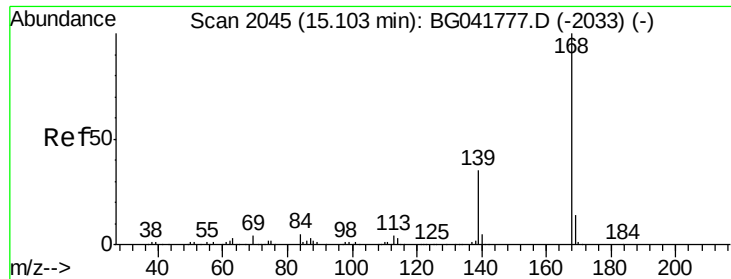
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:184	Resp:	83875
Ion Ratio	Lower	Upper
184	100	
63	37.3	43.2 64.8#
154	48.2	51.4 77.2#





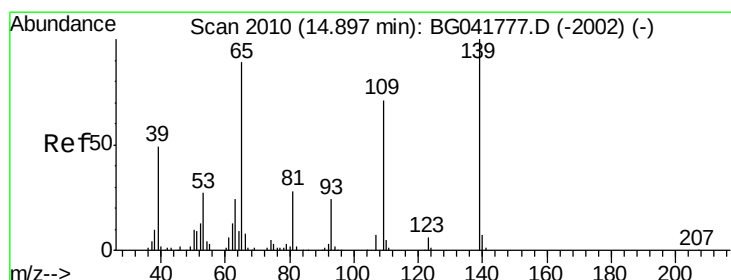
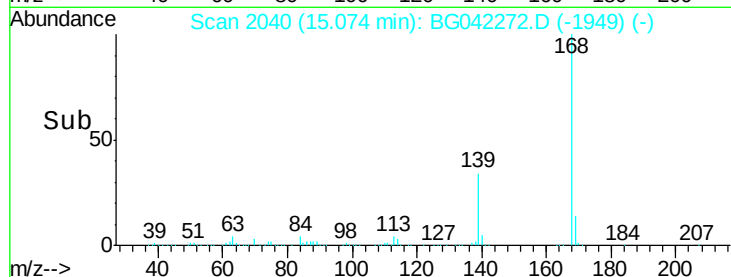
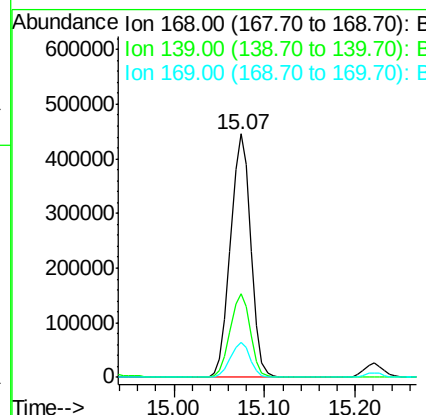
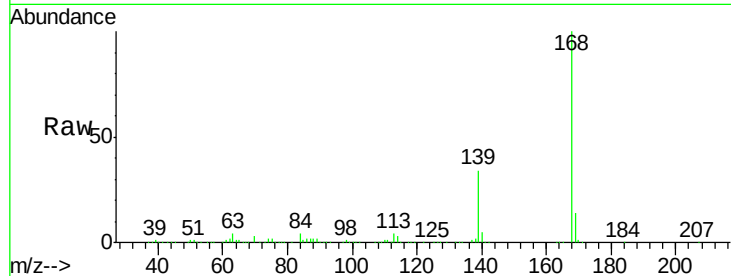
#55
Dibenzenofuran
Concen: 48.550 ng
RT: 15.07 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	691881		
139	34.3	31.9	47.9	
169	14.4	12.5	18.7	

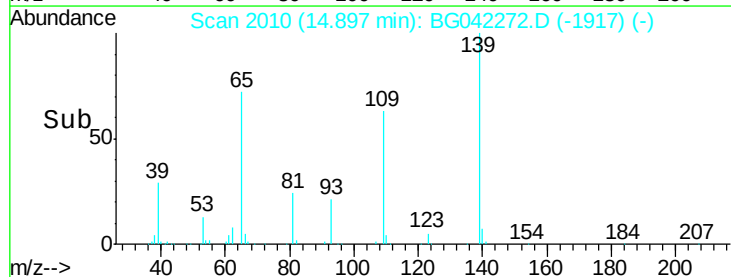
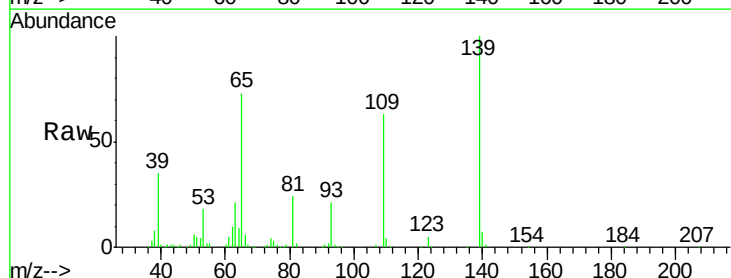
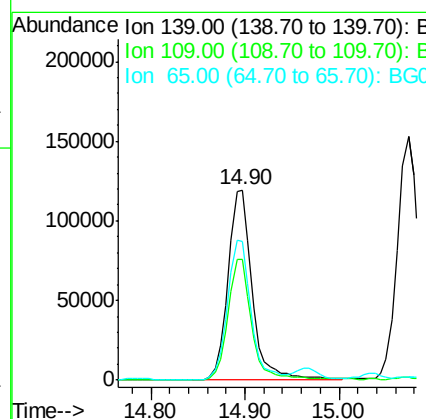
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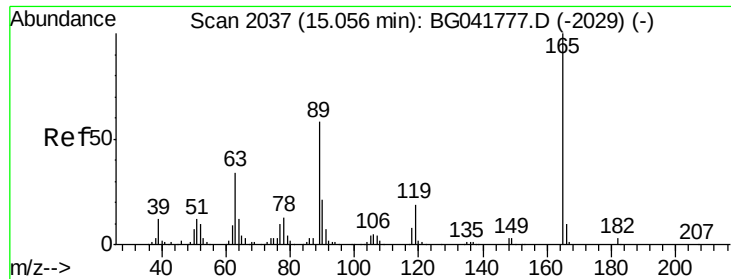
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#56
4-Nitrophenol
Concen: 106.033 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	215164		
109	63.2	51.3	91.3	
65	73.1	77.6	117.6#	





#57

2,4-Dinitrotoluene

Concen: 56.596 ng

RT: 15.04 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG042272.D

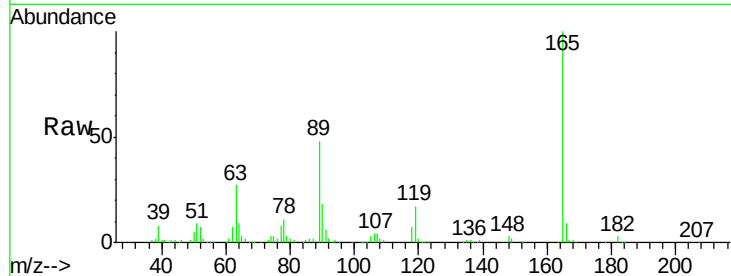
Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

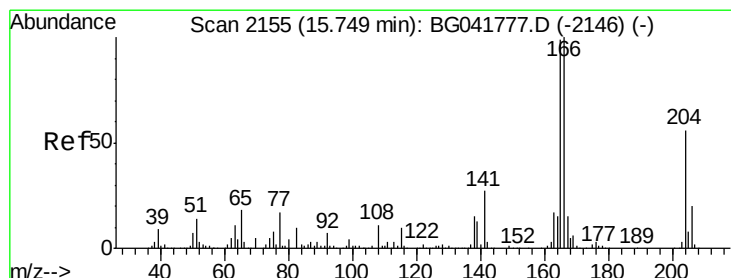
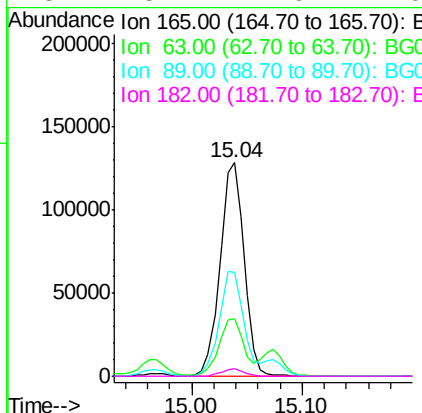
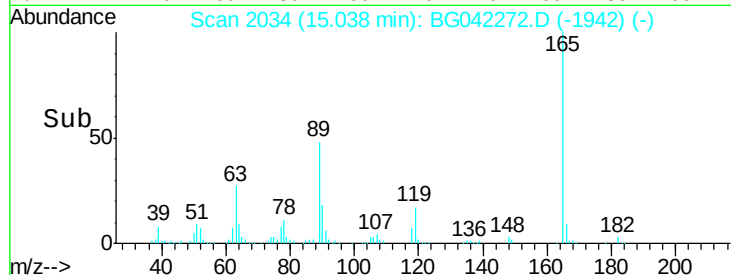
REACTOR-3-B-(0-3)MSD



Tot Ion	Ratio	Resp	Lower	Upper
165	100	194489		
63	27.1	31.7	47.5#	
89	48.4	50.2	75.4#	
182	3.4	2.6	4.0	

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#58

Fluorene

Concen: 49.119 ng

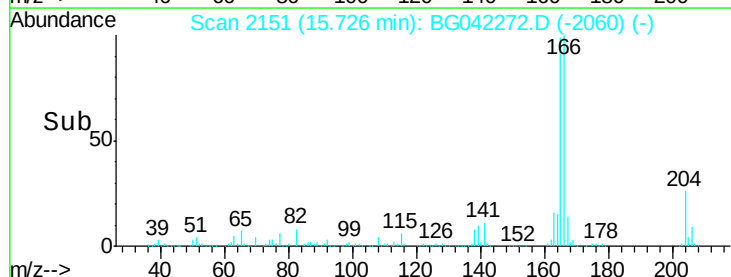
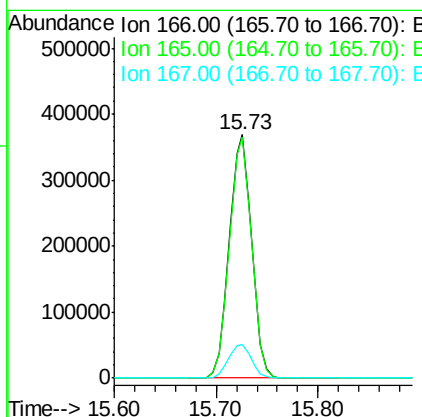
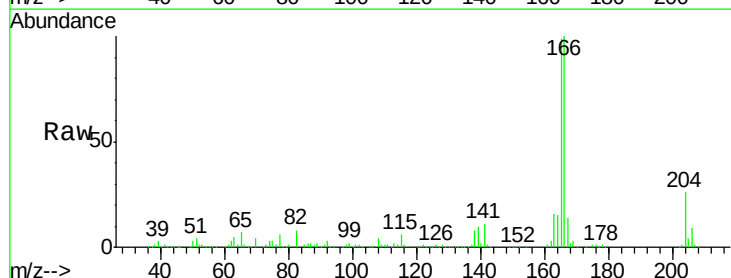
RT: 15.73 min Scan# 2151

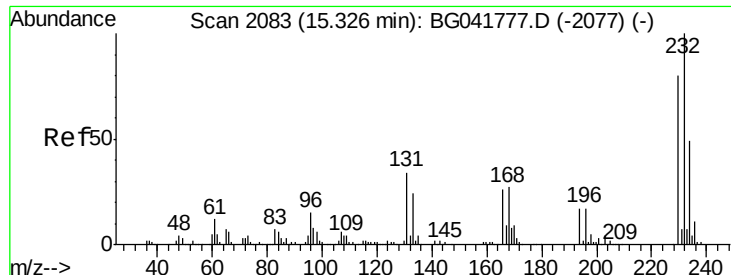
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	561738		
165	99.0	80.5	120.7	
167	13.9	12.4	18.6	





#59

2,3,4,6-Tetrachlorophenol

Concen: 54.064 ng

RT: 15.30 min Scan# 2079

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:232 Resp: 194796
Ion Ratio Lower Upper

232 100

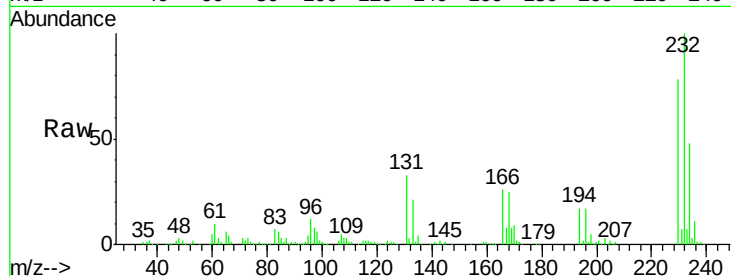
131 31.7 31.8 47.6#

130 0.6 1.8 2.8#

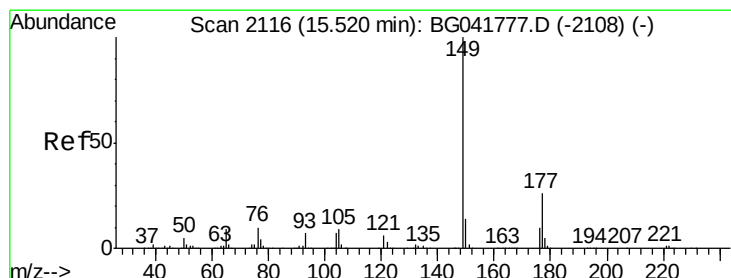
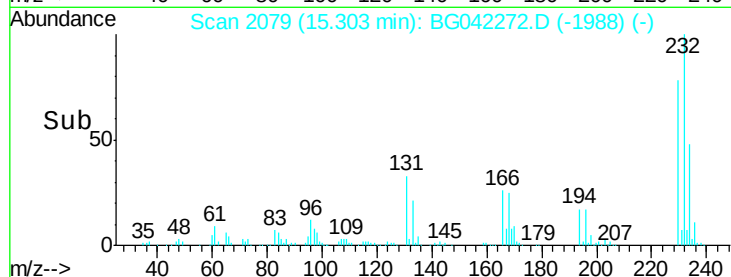
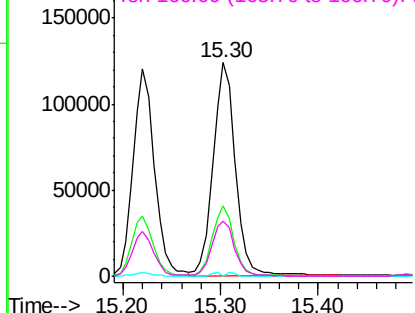
166 26.5 23.5 35.3

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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



#60

Diethylphthalate

Concen: 47.882 ng

RT: 15.49 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BG042272.D

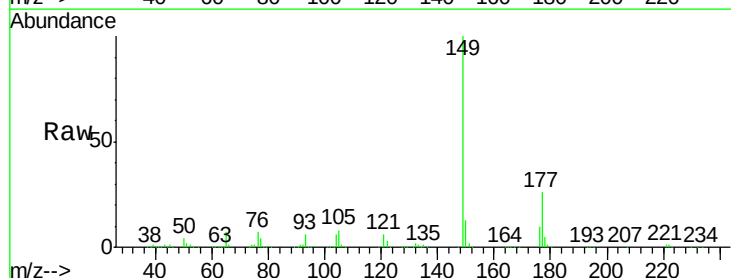
Acq: 16 Aug 2019 23:05

Tgt Ion:149 Resp: 561773
Ion Ratio Lower Upper

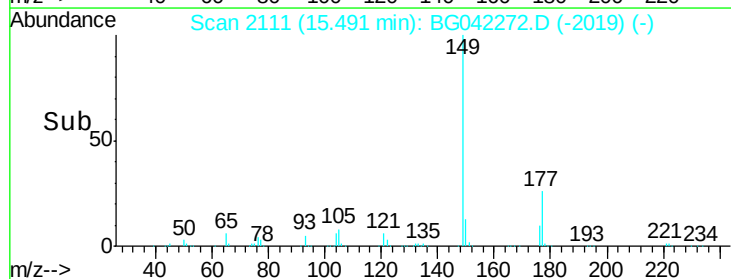
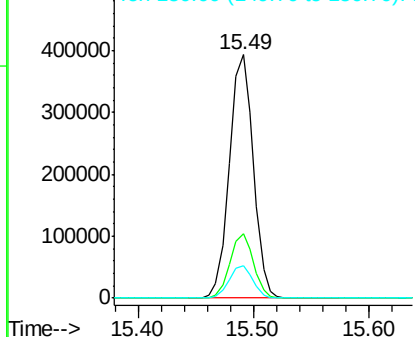
149 100

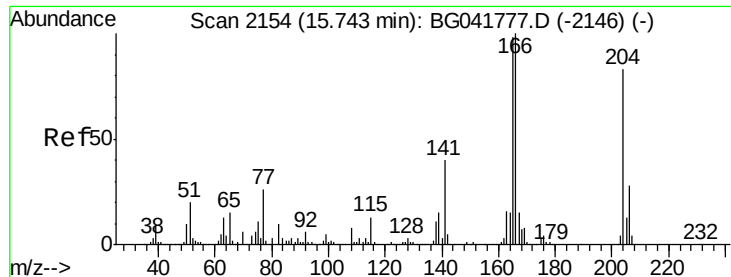
177 26.4 20.7 31.1

150 13.5 11.5 17.3



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





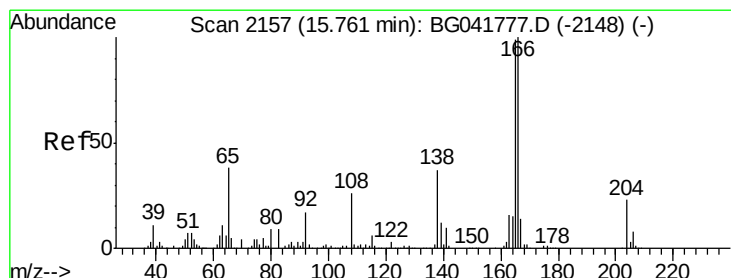
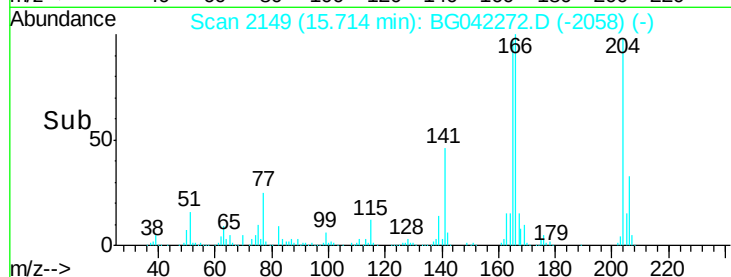
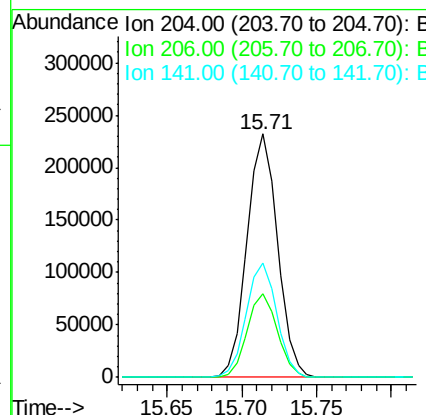
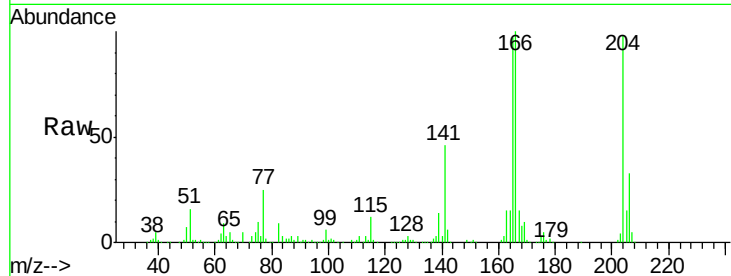
#61
 4-Chlorophenyl-phenylether
 Concen: 46.996 ng
 RT: 15.71 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	328115		
206	34.2	28.6	42.8	
141	46.9	42.9	64.3	

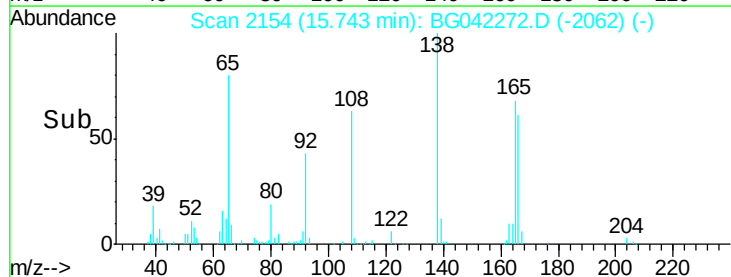
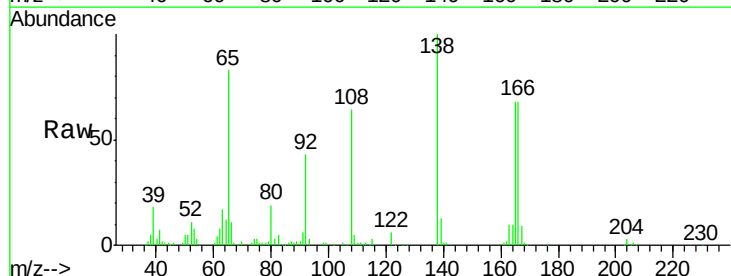
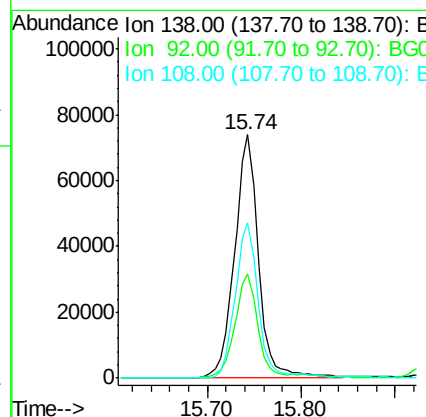
Manual Integrations
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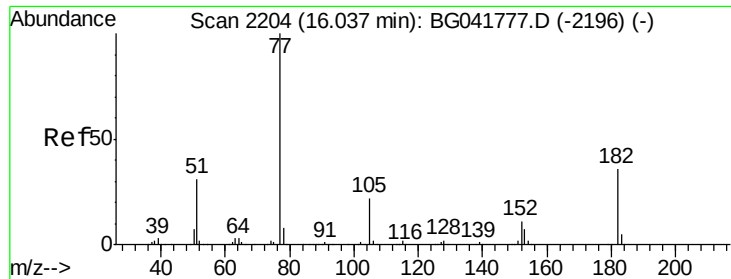
Jagrut
 8/19/2019 2:19:38 PM



#62
 4-Nitroaniline
 Concen: 45.167 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	130783		
92	42.7	29.8	69.8	
108	64.0	52.2	92.2	





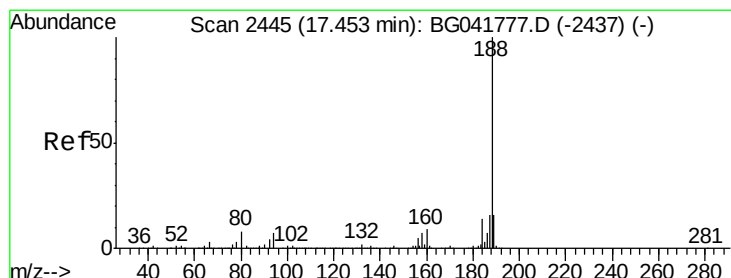
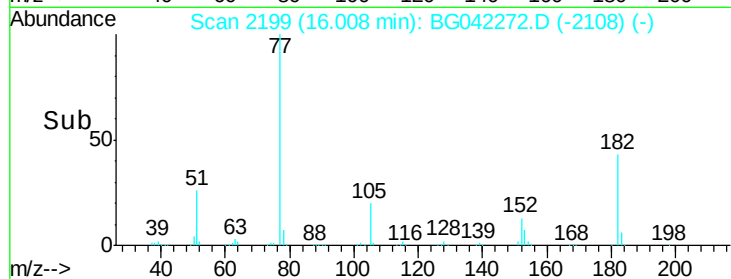
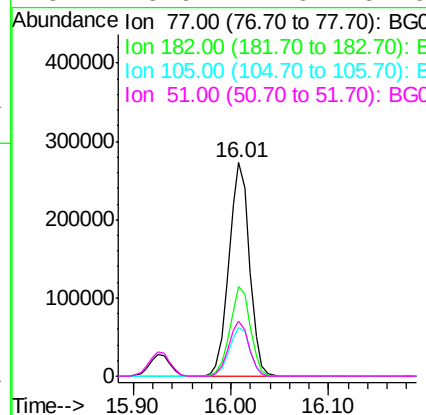
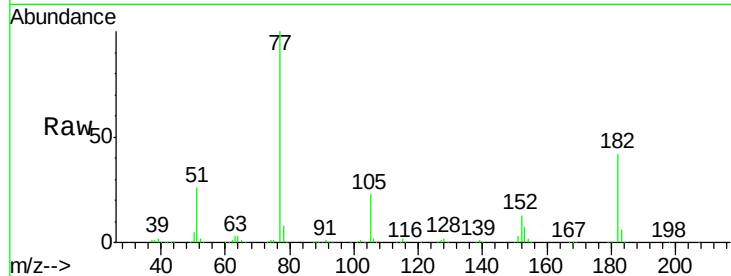
#63
Azobenzene
Concen: 41.165 ng
RT: 16.01 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	42.1	13.2	53.2		
105	22.9	2.2	42.2		
51	25.9	14.6	54.6		

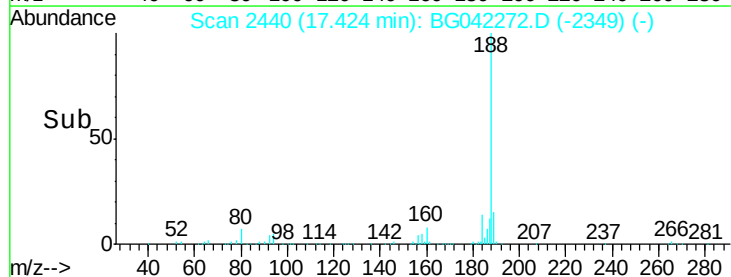
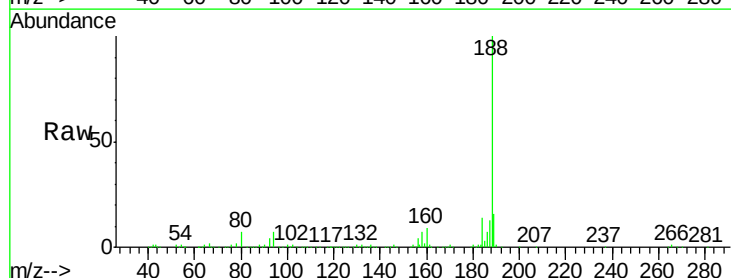
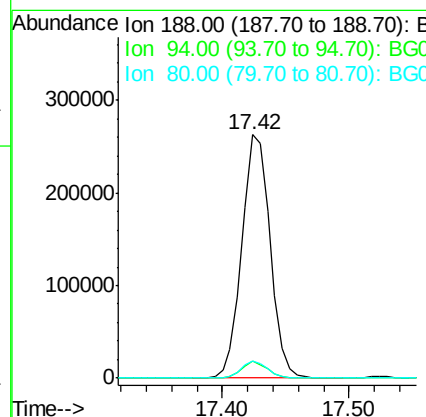
Manual Integrations
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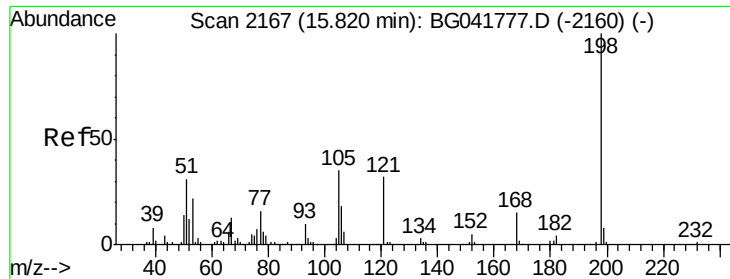
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	6.7	6.9	10.3#		
80	6.9	8.0	12.0#		





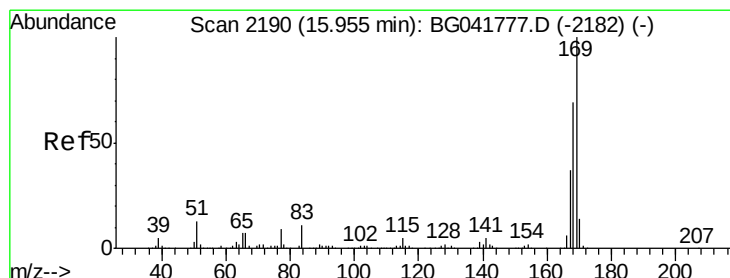
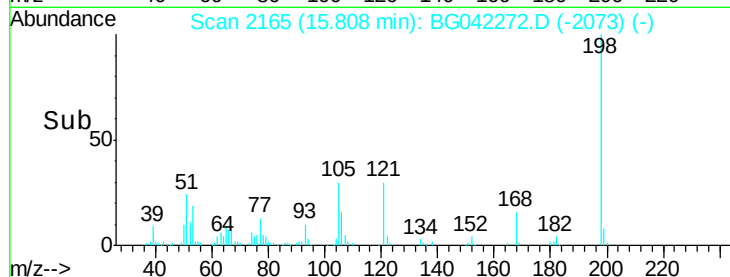
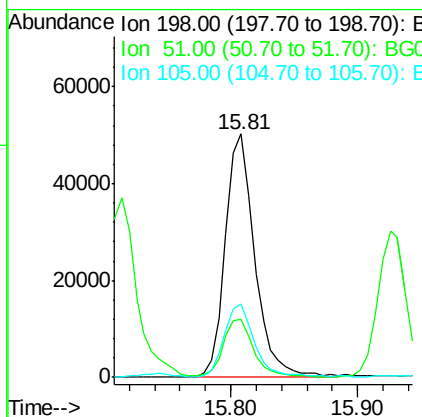
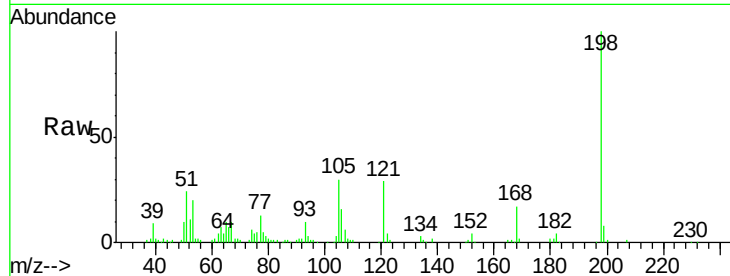
#65
4,6-Dinitro-2-methylphenol
Concen: 41.948 ng
RT: 15.81 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	24.1	22.3	62.3
105	30.1	18.0	58.0

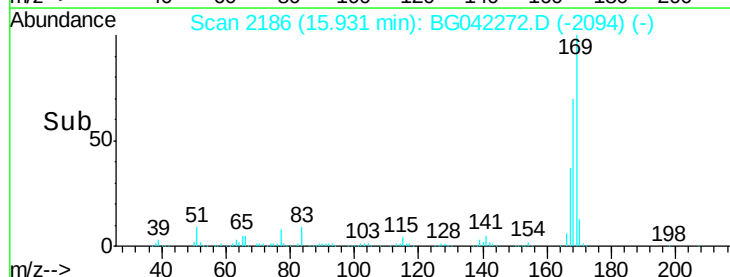
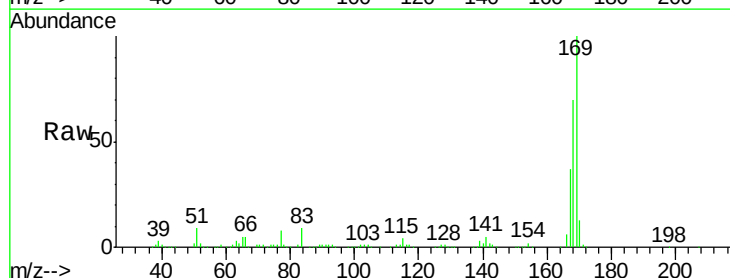
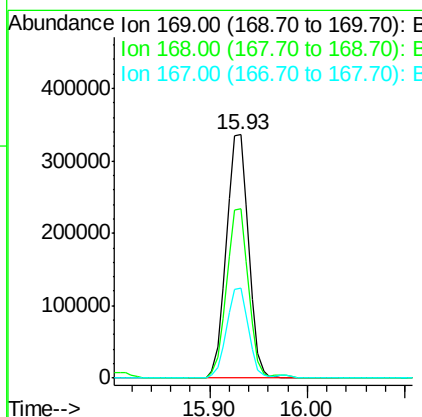
Manual Integrations
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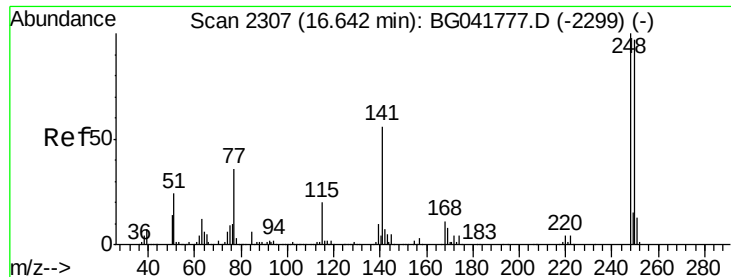
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#66
n-Nitrosodiphenylamine
Concen: 47.854 ng
RT: 15.93 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
169	100		
168	69.7	56.9	85.3
167	36.9	31.5	47.3





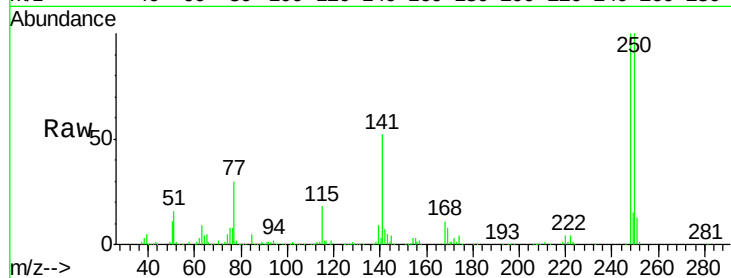
#67
 4-Bromophenyl-phenylether
 Concen: 45.666 ng
 RT: 16.61 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.5	78.1	117.1
141	51.7	49.6	74.4

Manual Integrations
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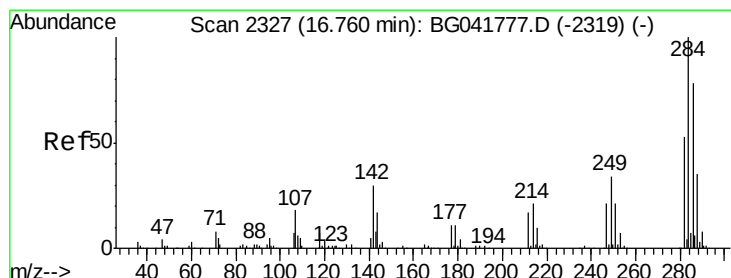
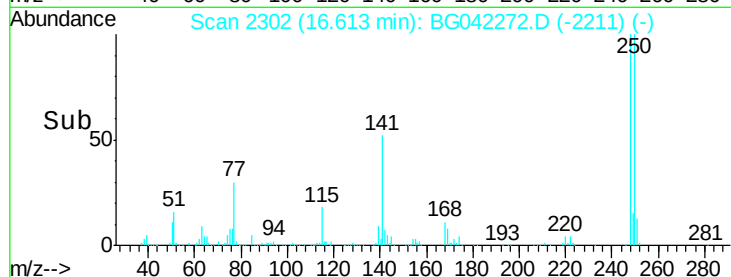
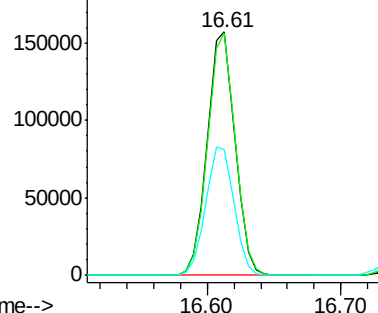


Abundance

Ion 248.00 (247.70 to 248.70): E

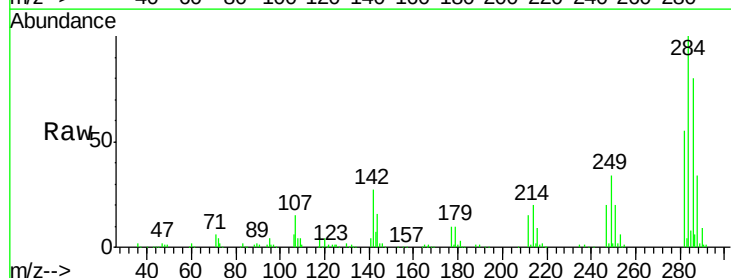
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 46.401 ng
 RT: 16.74 min Scan# 2323
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	26.8	27.0	40.6#
249	33.7	28.4	42.6

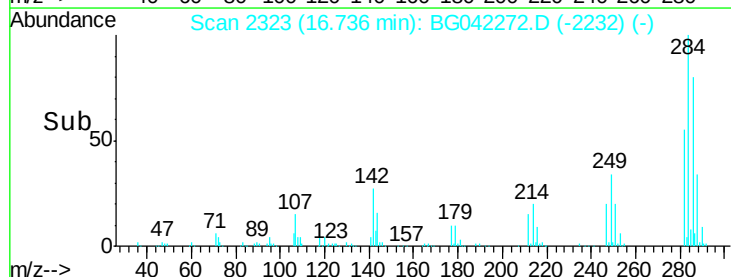
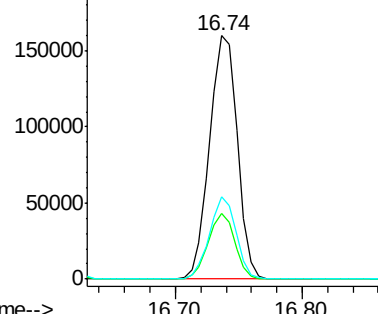


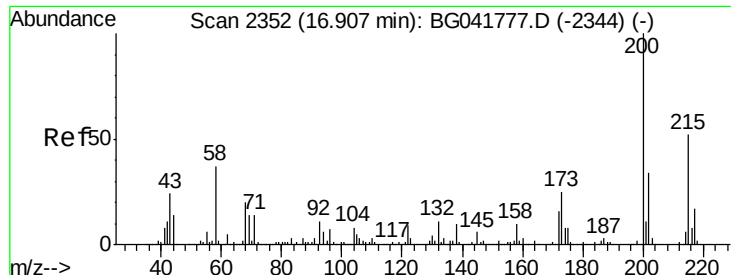
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





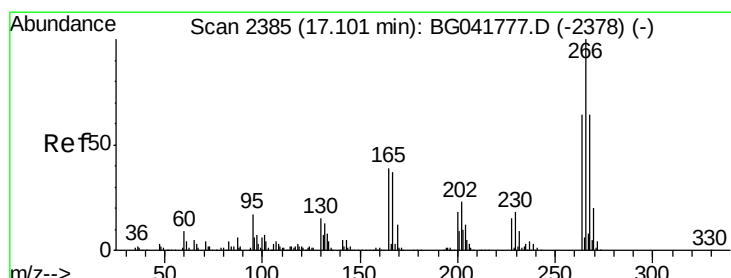
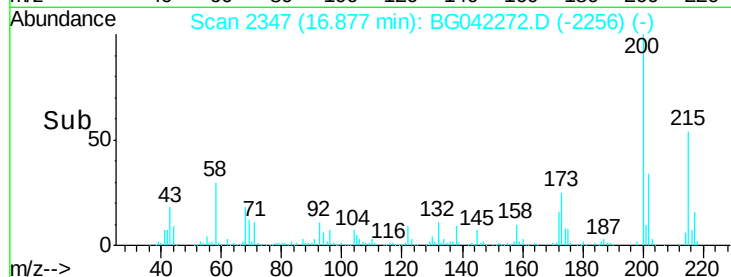
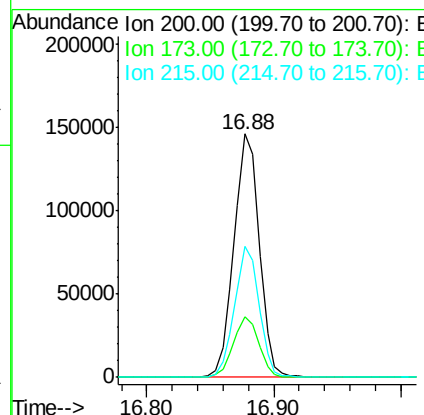
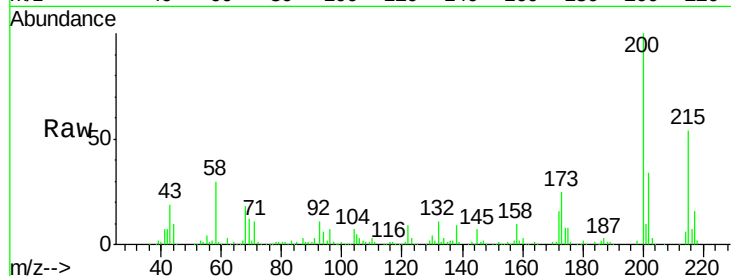
#69
 Atrazine
 Concen: 46.422 ng
 RT: 16.88 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	25.0	5.3	45.3
215	53.6	31.8	71.8

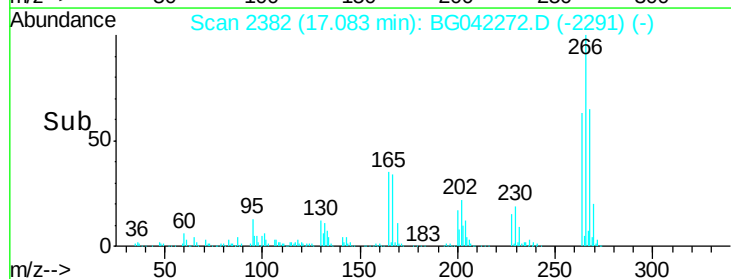
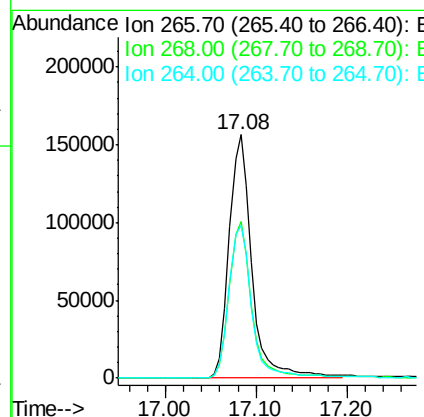
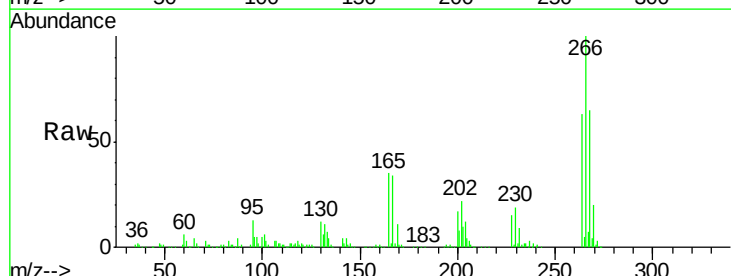
Manual Integrations
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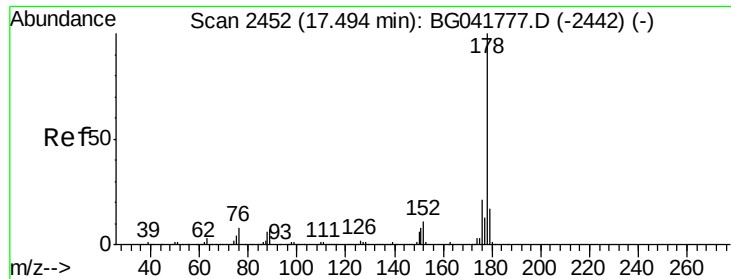
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#70
 Pentachlorophenol
 Concen: 92.088 ng
 RT: 17.08 min Scan# 2382
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.5	52.9	79.3
264	62.8	51.4	77.2





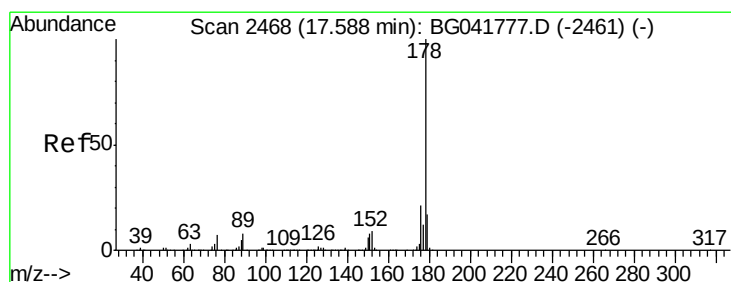
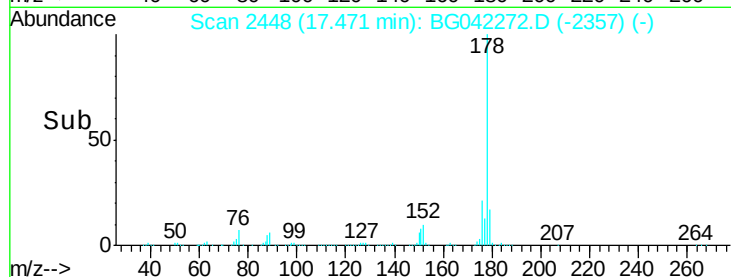
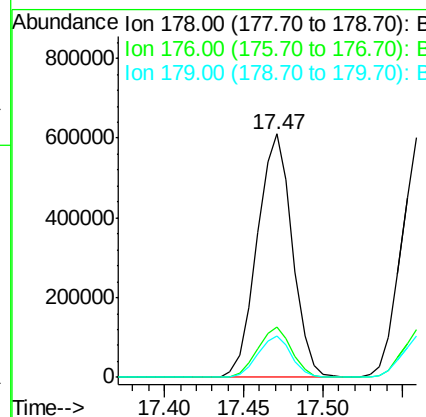
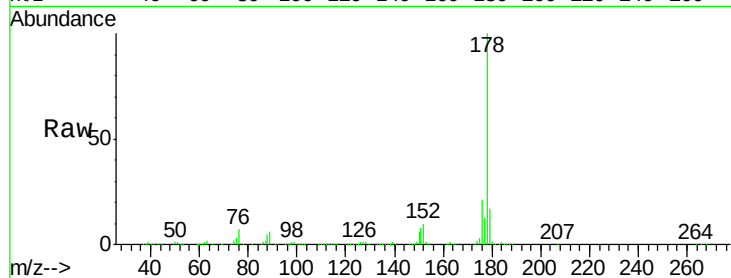
#71
Phenanthrene
Concen: 48.415 ng
RT: 17.47 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	18.6	28.0
179	16.8	15.4	23.0

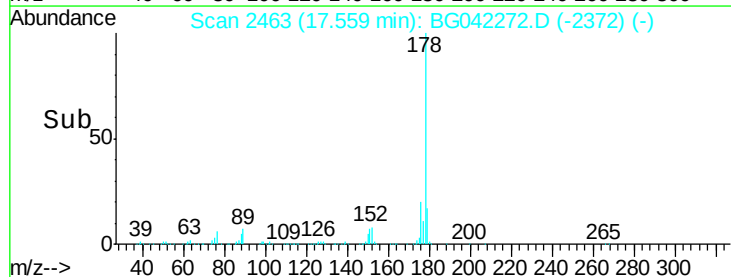
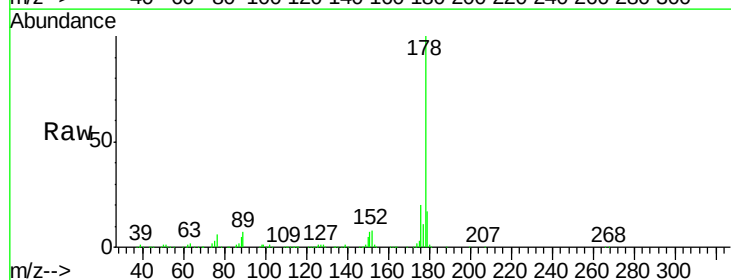
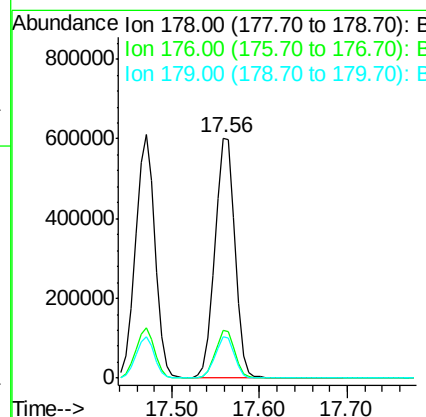
Manual Integrations
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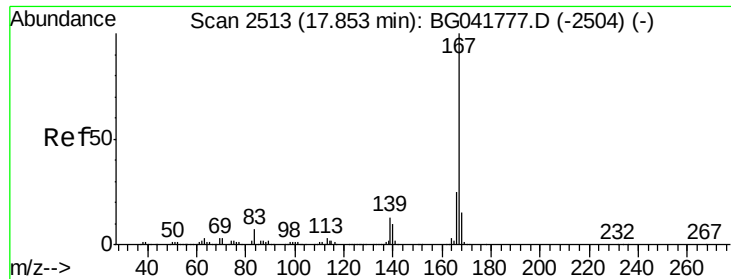
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#72
Anthracene
Concen: 49.688 ng
RT: 17.56 min Scan# 2463
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	18.6	28.0
179	17.3	15.1	22.7





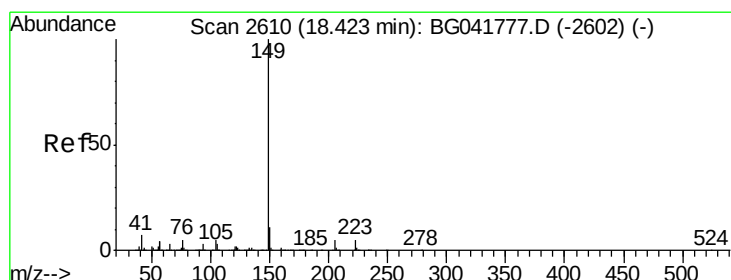
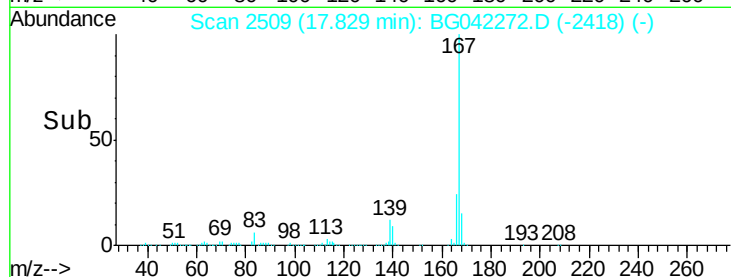
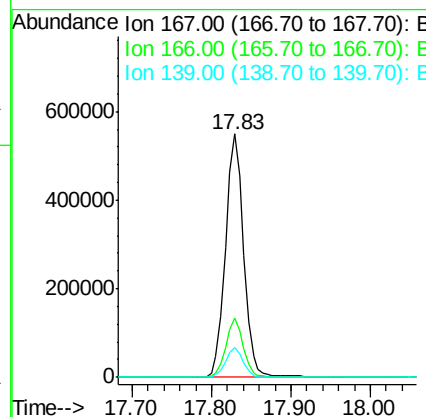
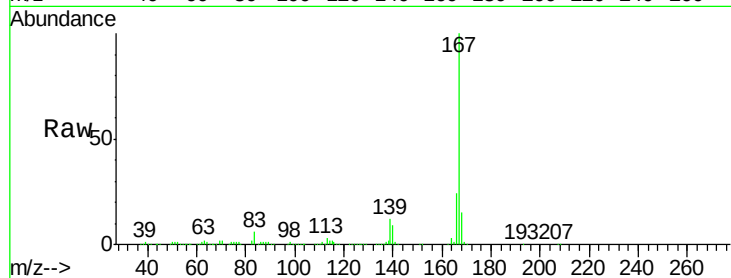
#73
 Carbazole
 Concen: 50.268 ng
 RT: 17.83 min Scan# 2509
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-3-B-(0-3)MSD

Tot Ion:	167	Resp:	872751
Ion Ratio	Lower	Upper	
167	100		
166	24.3	21.4	32.2
139	12.3	12.1	18.1

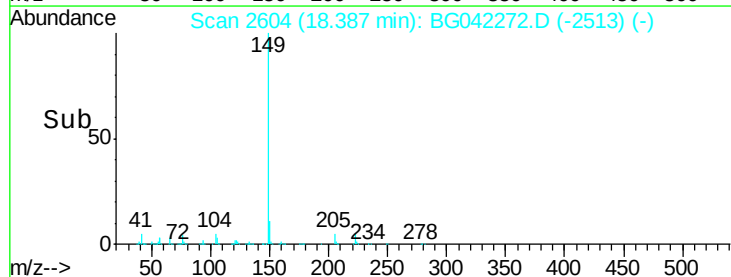
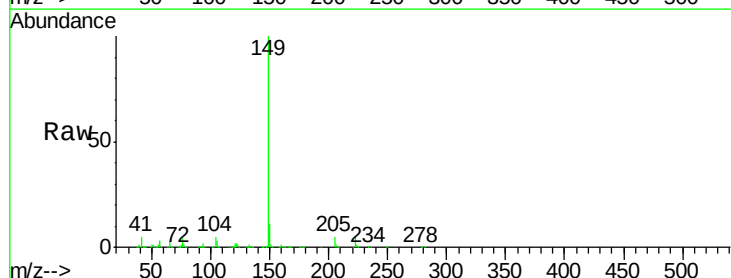
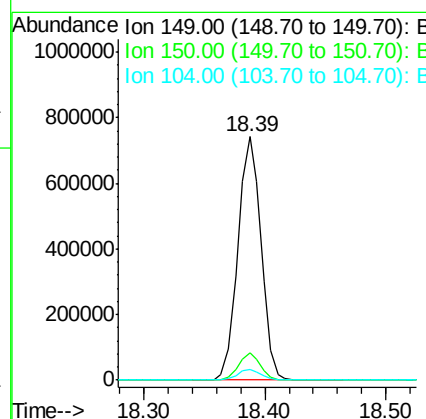
Manual Integrations
 APPROVED

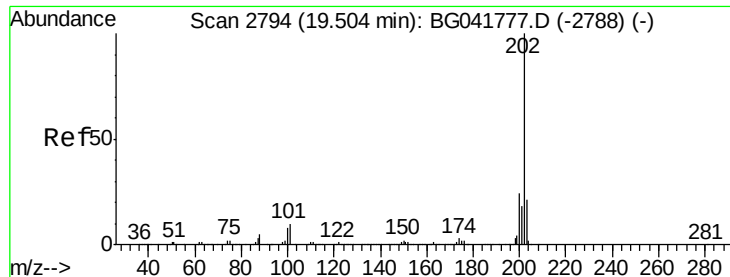
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 8/19/2019 2:19:38 PM



#74
 Di-n-butylphthalate
 Concen: 50.385 ng
 RT: 18.39 min Scan# 2604
 Delta R.T. 0.01 min
 Lab File: BG042272.D
 Acq: 16 Aug 2019 23:05

Tgt Ion:	149	Resp:	991729
Ion Ratio	Lower	Upper	
149	100		
150	11.0	10.2	15.2
104	4.6	5.3	7.9#





#75

Fluoranthene

Concen: 50.974 ng

RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

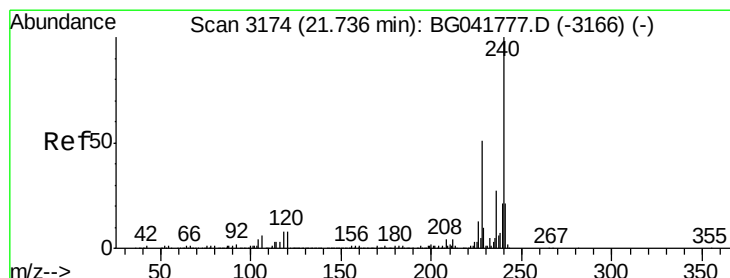
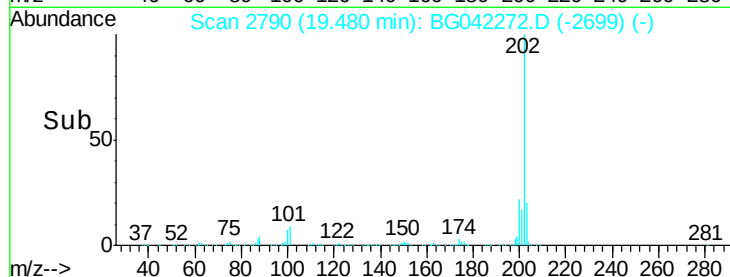
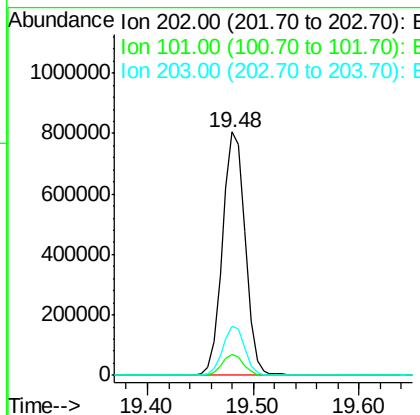
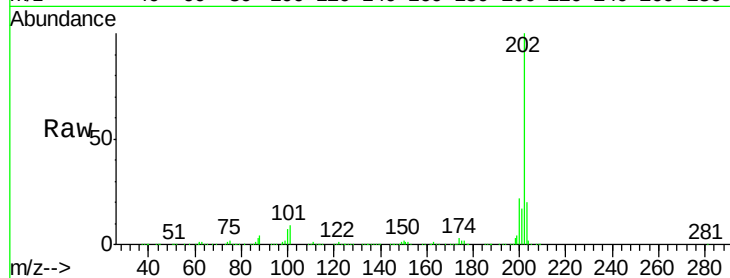
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	202	Resp:	1201744
Ion Ratio		Lower	Upper
202	100		
101	8.7	0.0	32.8
203	19.9	3.7	43.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

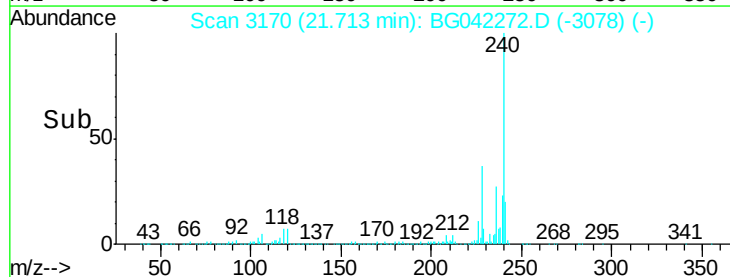
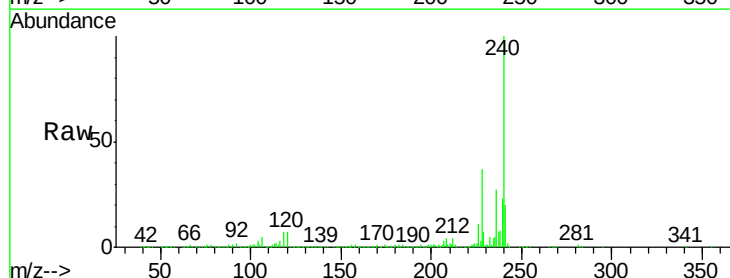
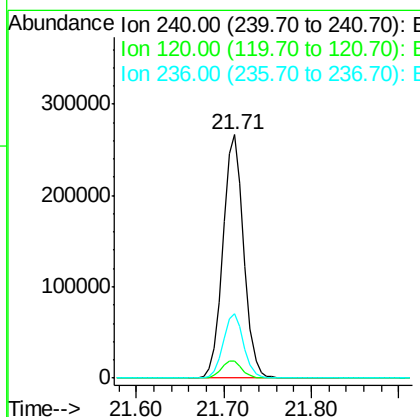
RT: 21.71 min Scan# 3170

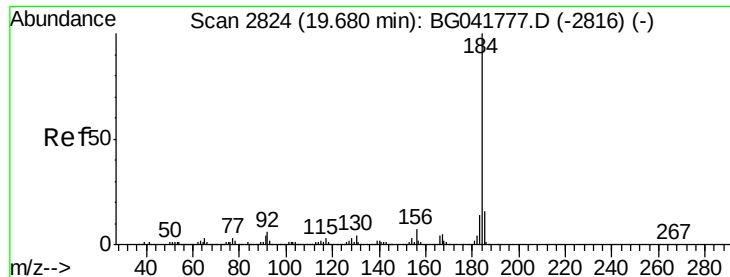
Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	240	Resp:	436302
Ion Ratio		Lower	Upper
240	100		
120	7.1	8.0	12.0#
236	26.5	22.6	33.8





#77

Benzidine

Concen: 5.859 ng

RT: 19.66 min Scan# 2821

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

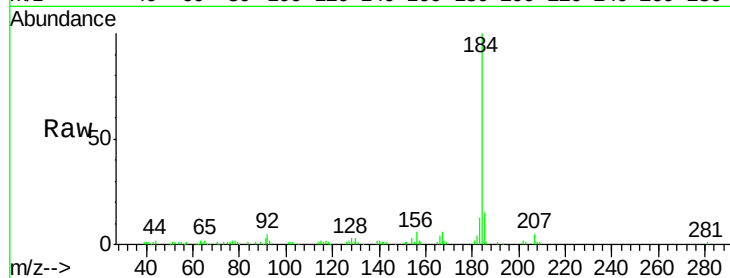
ClientSampleId :

REACTOR-3-B-(0-3)MSD

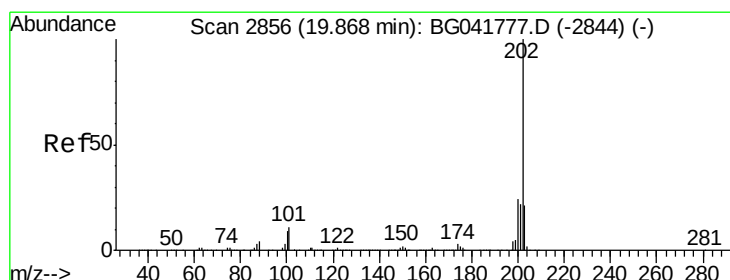
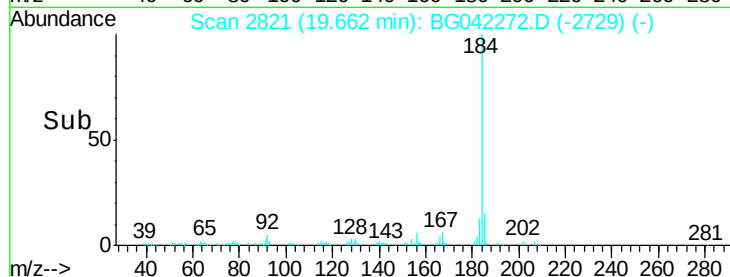
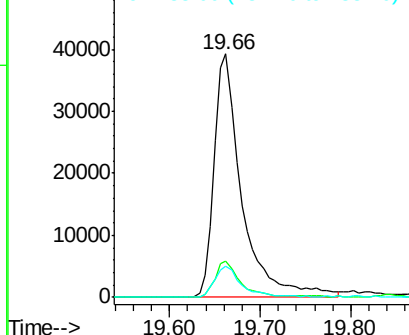
Tot Ion	Ratio	Lower	Upper
184	100		
185	15.1	13.0	19.4
183	12.6	11.8	17.6

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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



#78

Pyrene

Concen: 47.494 ng

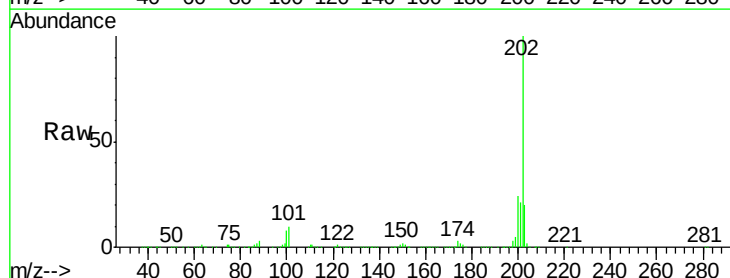
RT: 19.84 min Scan# 2852

Delta R.T. 0.01 min

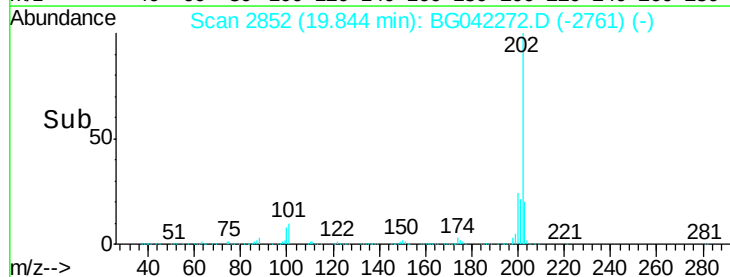
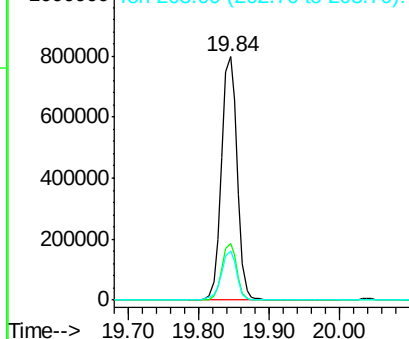
Lab File: BG042272.D

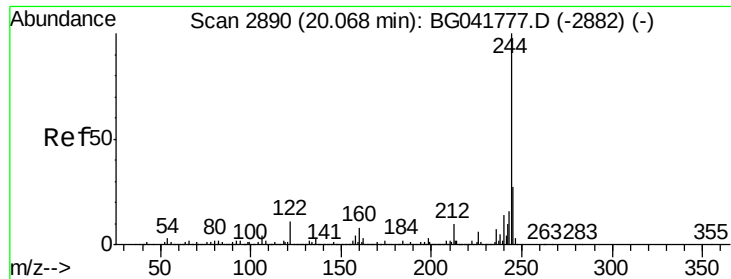
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.5	22.2	33.2
203	20.0	18.9	28.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 94.062 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:244 Resp: 1793482

Ion Ratio Lower Upper

244 100

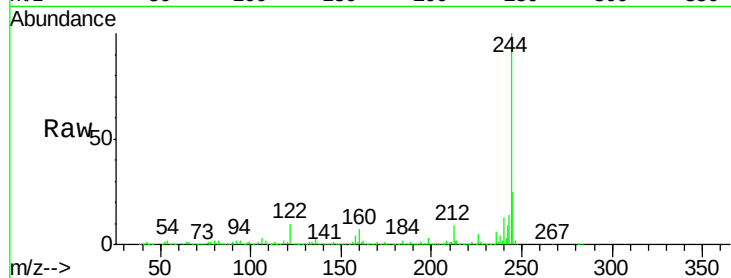
212 8.5 9.7 14.5#

122 9.6 12.5 18.7#

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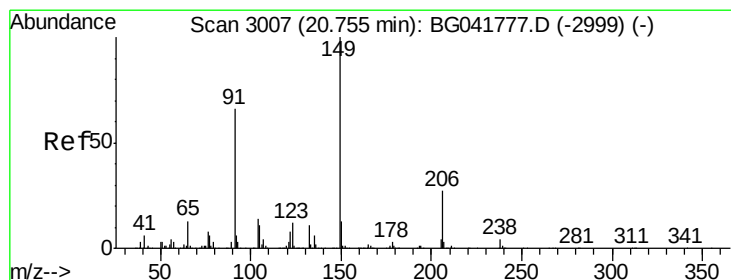
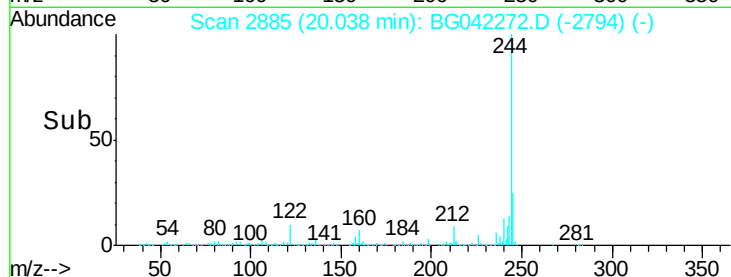
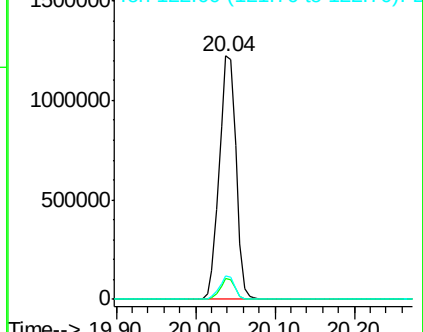
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 49.153 ng

RT: 20.73 min Scan# 3002

Delta R.T. 0.01 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:149 Resp: 487160

Ion Ratio Lower Upper

149 100

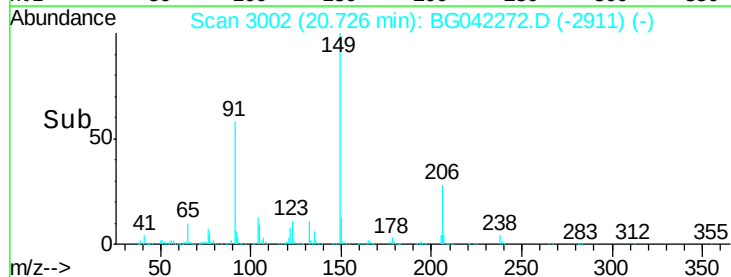
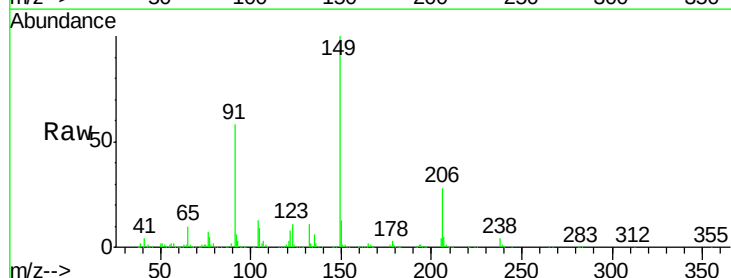
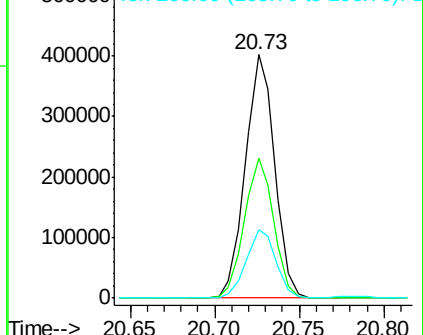
91 57.7 58.9 88.3#

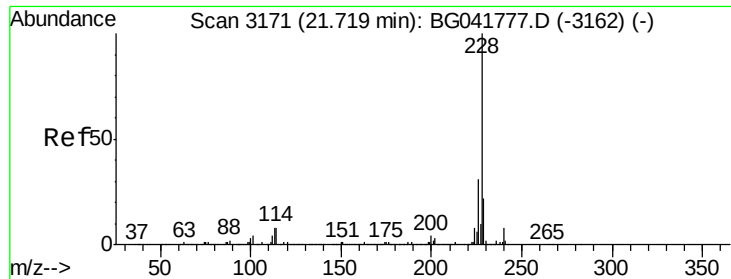
206 27.9 20.8 31.2

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





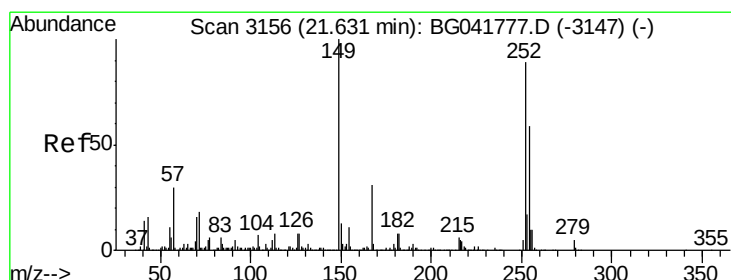
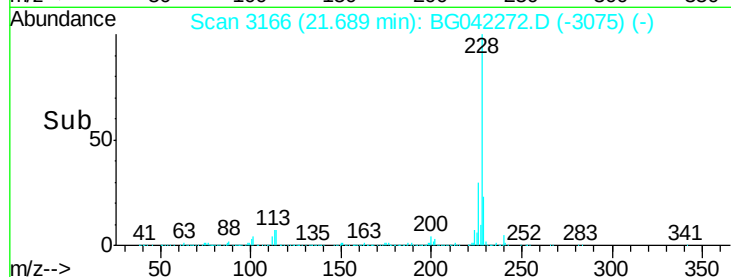
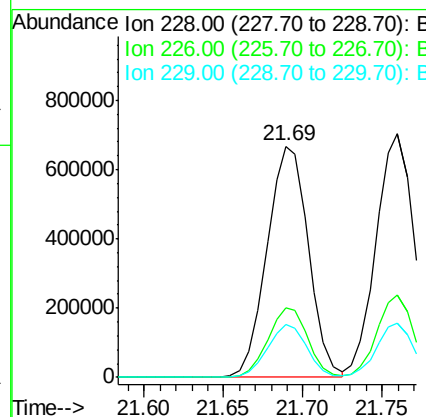
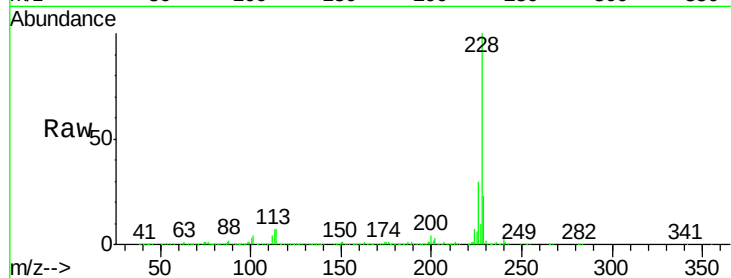
#81
Benzo(a)anthracene
Concen: 46.834 ng
RT: 21.69 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	27.3	40.9
229	22.6	19.7	29.5

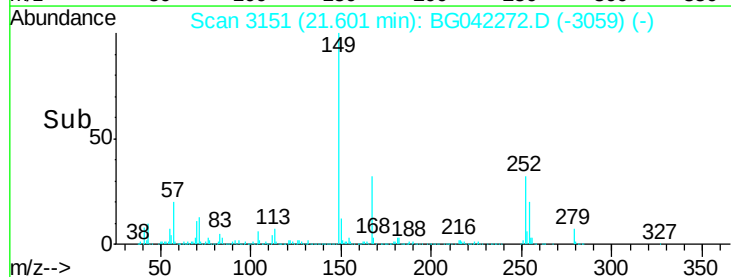
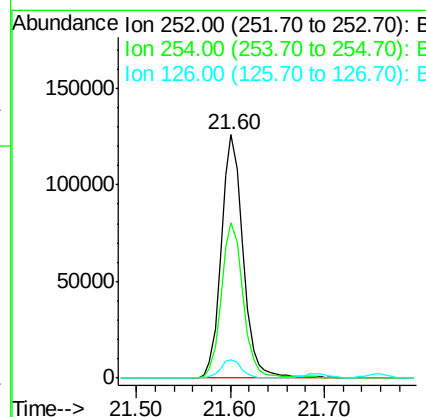
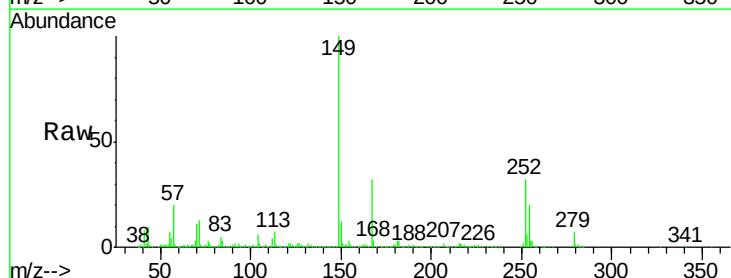
Manual Integrations
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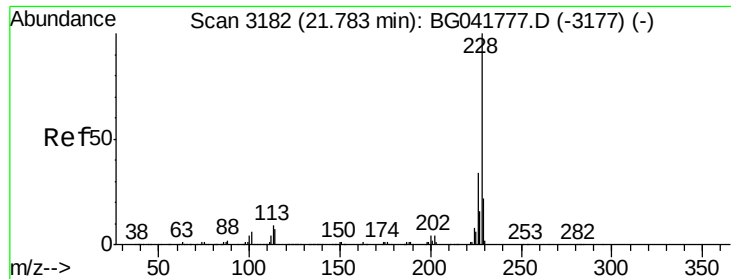
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#82
3,3'-Dichlorobenzidine
Concen: 19.790 ng
RT: 21.60 min Scan# 3151
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.6	53.8	80.6
126	7.5	7.8	11.8





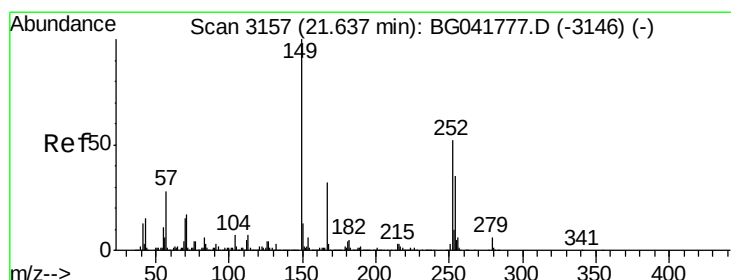
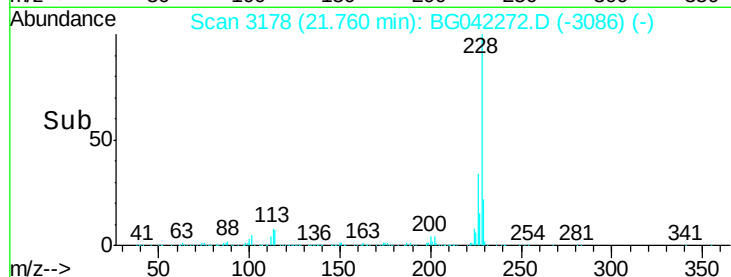
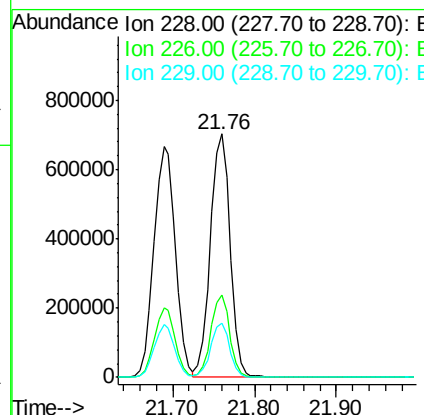
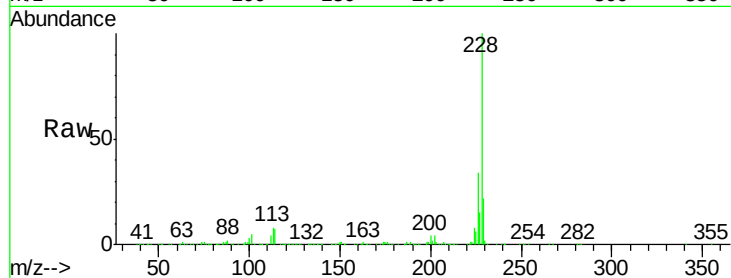
#83
Chrysene
Concen: 47.756 ng
RT: 21.76 min Scan# 3178
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion:228 Resp: 1181678
Ion Ratio Lower Upper
228 100
226 33.6 30.1 45.1
229 22.2 19.8 29.6

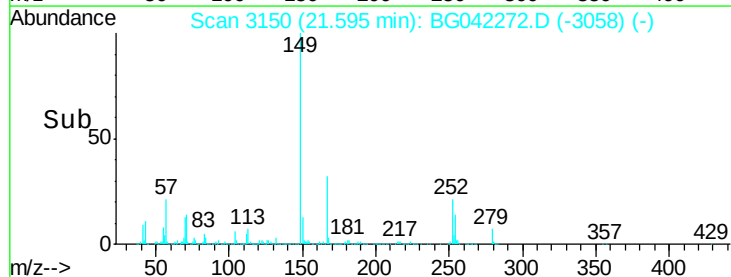
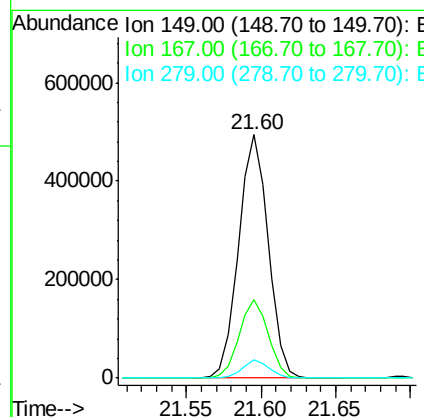
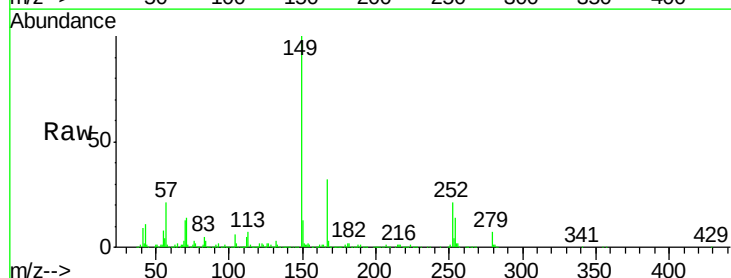
Manual Integrations
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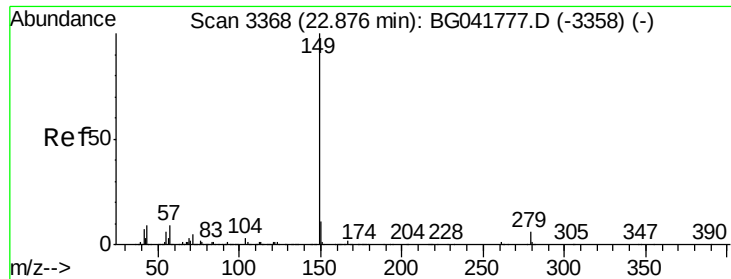
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#84
Bis(2-ethylhexyl)phthalate
Concen: 49.798 ng
RT: 21.60 min Scan# 3150
Delta R.T. 0.01 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion:149 Resp: 680815
Ion Ratio Lower Upper
149 100
167 32.3 27.0 40.4
279 7.3 5.0 7.6





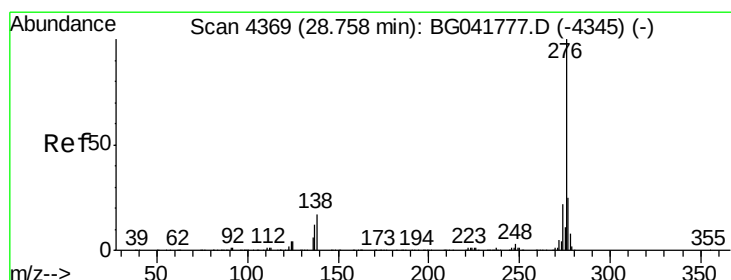
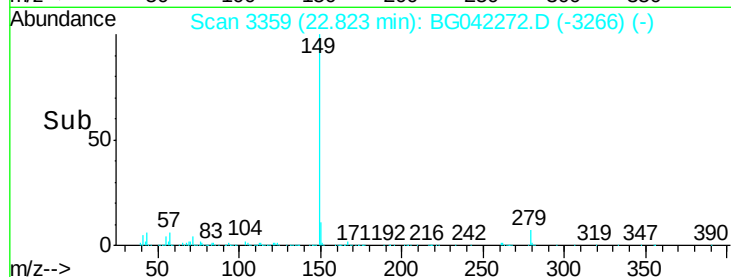
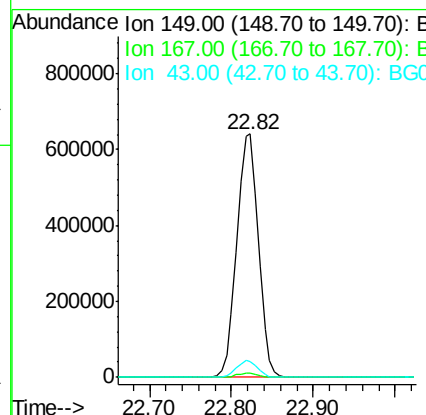
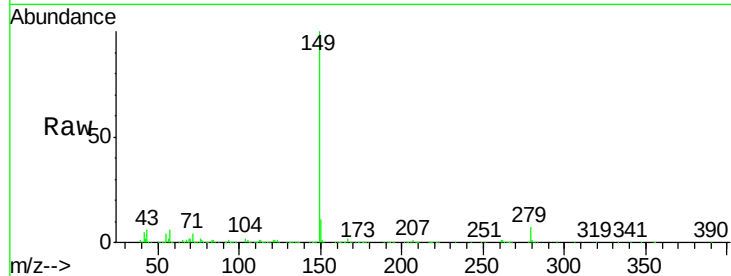
#85
Di-n-octyl phthalate
Concen: 51.094 ng
RT: 22.82 min Scan# 3359
Delta R.T. 0.02 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.9	1.6	2.4
43	6.5	10.6	16.0

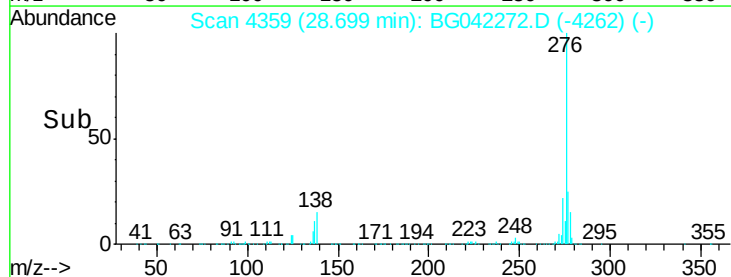
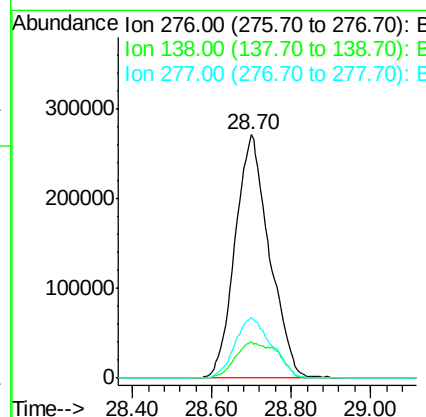
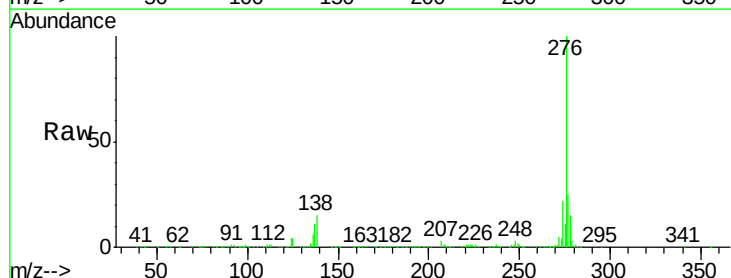
Manual Integrations
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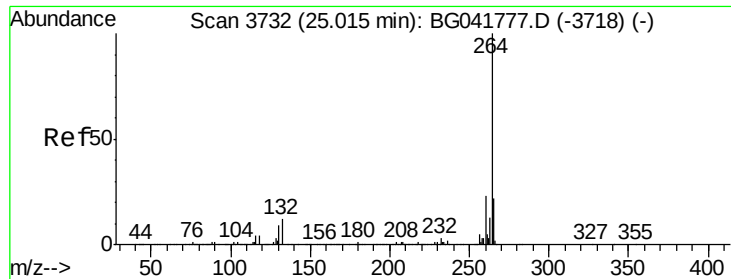
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#86
Indeno(1,2,3-cd)pyrene
Concen: 49.832 ng
RT: 28.70 min Scan# 4359
Delta R.T. 0.04 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	19.4	29.0
277	26.6	21.2	31.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.96 min Scan# 3723

Delta R.T. 0.02 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

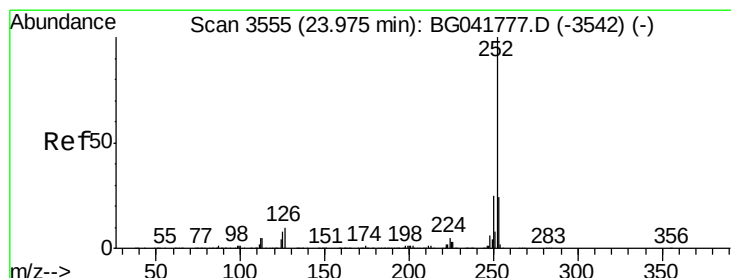
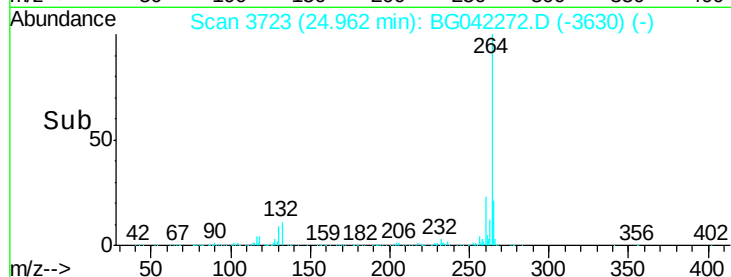
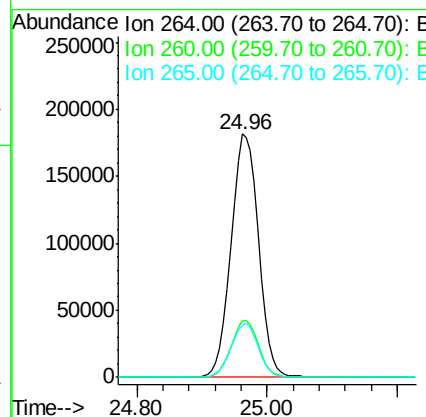
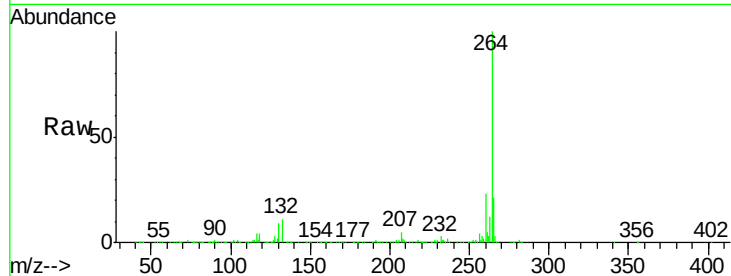
ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:	264	Resp:	530910
Ion Ratio		Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.4	18.0	27.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 47.204 ng

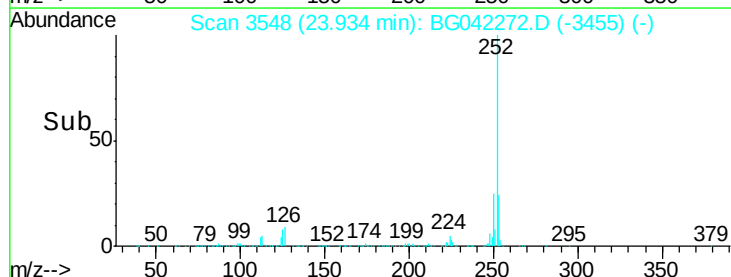
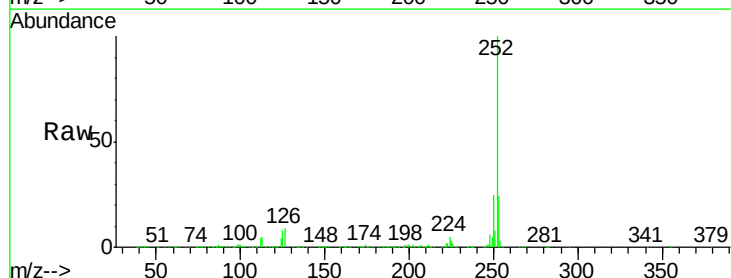
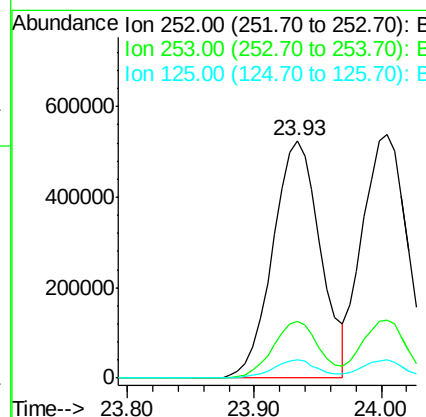
RT: 23.93 min Scan# 3548

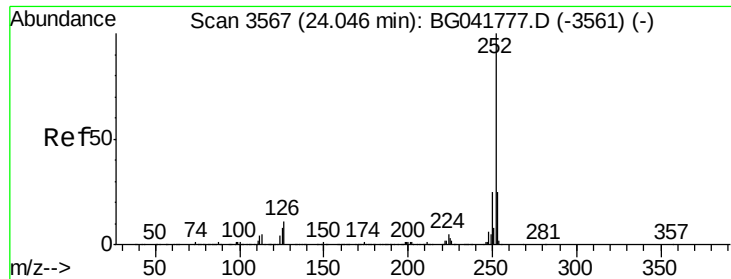
Delta R.T. 0.02 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Tgt Ion:	252	Resp:	1370953
Ion Ratio		Lower	Upper
252	100		
253	23.9	20.6	30.8
125	7.7	8.0	12.0#





#89

Benzo(k)fluoranthene

Concen: 46.613 ng

RT: 24.00 min Scan# 3560

Delta R.T. 0.02 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

Instrument :

BNA_G

ClientSampleId :

REACTOR-3-B-(0-3)MSD

Tot Ion:252 Resp: 1318724

Ion Ratio Lower Upper

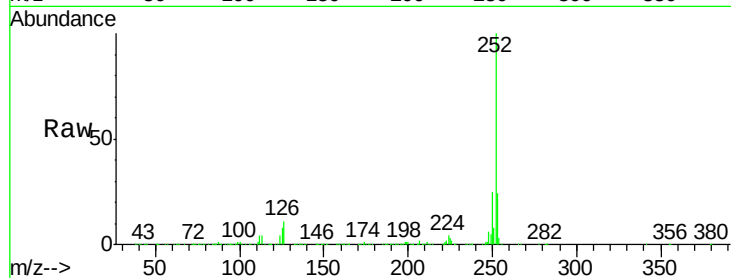
252 100

253 23.7 20.5 30.7

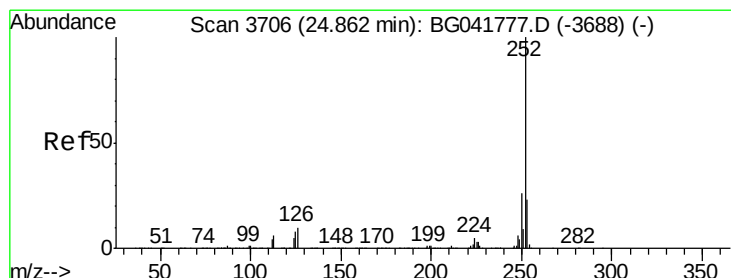
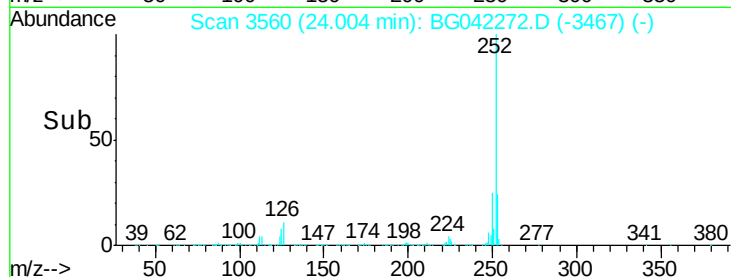
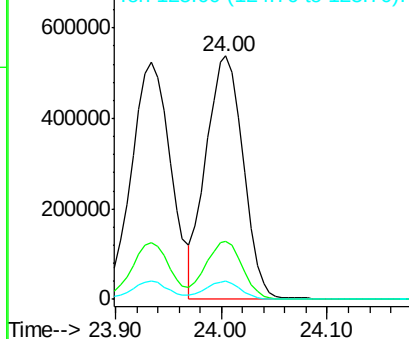
125 7.6 8.4 12.6#

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



#90

Benzo(a)pyrene

Concen: 48.085 ng

RT: 24.82 min Scan# 3698

Delta R.T. 0.02 min

Lab File: BG042272.D

Acq: 16 Aug 2019 23:05

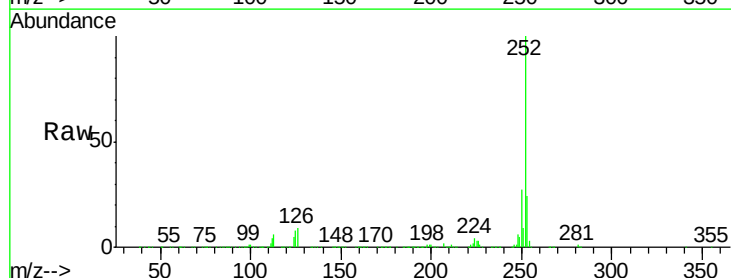
Tgt Ion:252 Resp: 1339387

Ion Ratio Lower Upper

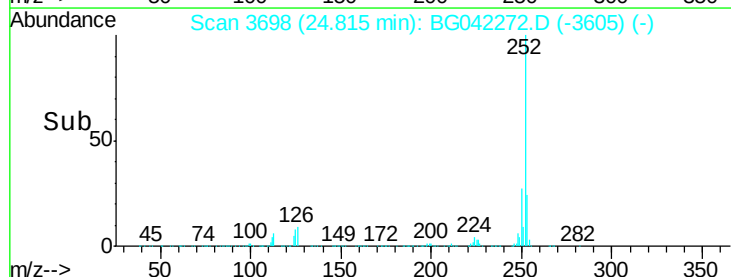
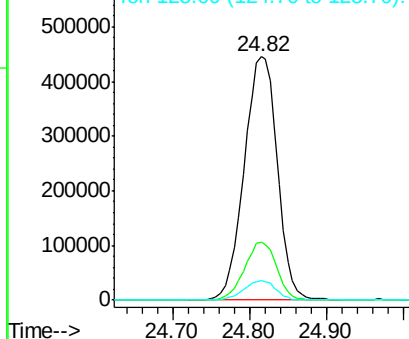
252 100

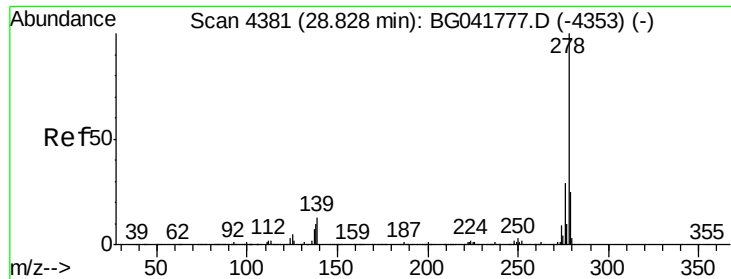
253 23.9 19.8 29.8

125 8.1 8.8 13.2#



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





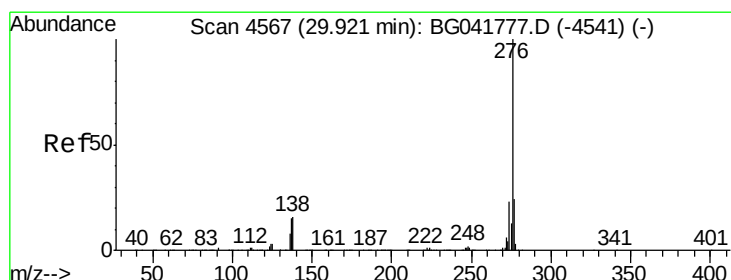
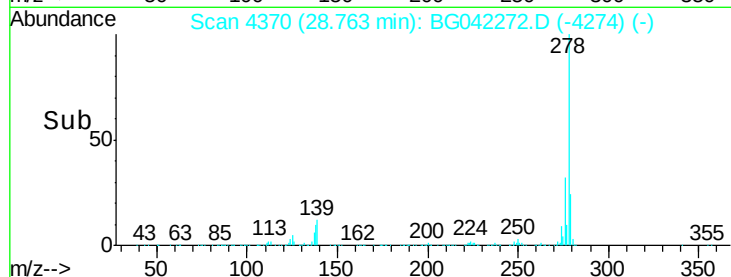
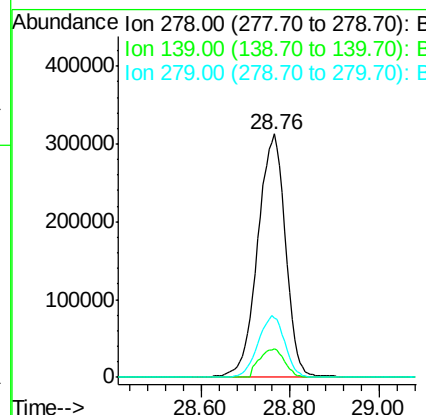
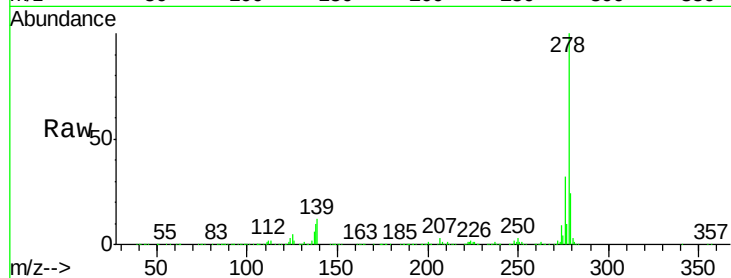
#91
Dibenzo(a,h)anthracene
Concen: 49.040 ng
RT: 28.76 min Scan# 4370
Delta R.T. 0.04 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.8	12.6	19.0#
279	24.4	20.5	30.7

Manual Integrations
APPROVED

Jagrut
8/19/2019 2:19:38 PM



#92
Benzo(g,h,i)perylene
Concen: 49.863 ng
RT: 29.87 min Scan# 4558
Delta R.T. 0.05 min
Lab File: BG042272.D
Acq: 16 Aug 2019 23:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.8	29.8
138	14.9	16.6	25.0#

