

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034041.D
 Acq On : 27 Apr 2018 16:21
 Operator : SJ/JU
 Sample : J2154-02MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Manual Integrations
 APPROVED

Sohil
 4/30/2018 7:02:30 PM

Quant Time: Apr 30 15:21:16 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	52668m	20.00	ng	-0.08
21) Naphthalene-d8	10.54	136	243815	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	190704	20.00	ng	-0.08
63) Phenanthrene-d10	17.15	188	521148	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	545419	20.00	ng	-0.10
86) Perylene-d12	24.39	264	549947	20.00	ng	-0.17

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	385191	116.76	ng	-0.08
7) Phenol-d6	6.95	99	502596	104.45	ng	-0.05
23) Nitrobenzene-d5	8.91	82	399360	93.22	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	376454	169.20	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1204499	92.78	ng	-0.09
78) Terphenyl-d14	19.78	244	2321213	95.61	ng	-0.08

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.32	88	44691m	32.060	ng	
3) Pyridine	3.71	79	74397	18.446	ng	87
4) n-Nitrosodimethylamine	3.63	42	44604	24.275	ng	# 90
6) Aniline	7.09	93	85839	13.346	ng	99
8) 2-Chlorophenol	7.32	128	146606	39.662	ng	97
9) Benzaldehyde	6.91	77	49829m	16.397	ng	
10) Phenol	6.97	94	134359	27.258	ng	95
11) bis(2-Chloroethyl)ether	7.19	93	127199	33.740	ng	87
12) 1,3-Dichlorobenzene	7.64	146	159220m	37.418	ng	
13) 1,4-Dichlorobenzene	7.79	146	158101	36.683	ng	99
14) 1,2-Dichlorobenzene	8.10	146	167322	39.922	ng	96
15) Benzyl Alcohol	8.01	79	116266	27.711	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.28	45	224426	30.522	ng	79
17) 2-Methylphenol	8.21	107	104862	28.707	ng	90
18) Hexachloroethane	8.81	117	64162	40.740	ng	96
19) n-Nitroso-di-n-propylamine	8.55	70	133848	32.634	ng	# 93
20) 3+4-Methylphenols	8.55	107	132816	25.024	ng	95
22) Acetophenone	8.58	105	229707	34.616	ng	98
24) Nitrobenzene	8.95	77	166973	35.765	ng	# 95
25) Isophorone	9.46	82	390687	40.560	ng	# 93
26) 2-Nitrophenol	9.66	139	73954	40.091	ng	# 86
27) 2,4-Dimethylphenol	9.73	122	137742	39.921	ng	92
28) bis(2-Chloroethoxy)methane	9.96	93	190978	37.516	ng	# 96
29) 2,4-Dichlorophenol	10.20	162	156339	40.646	ng	91
30) 1,2,4-Trichlorobenzene	10.40	180	183809	42.667	ng	99
31) Naphthalene	10.58	128	505712	40.334	ng	98
32) Benzoic acid	9.86	122	28142m	12.401	ng	
33) 4-Chloroaniline	10.77	127	16227m	2.754	ng	
34) Hexachlorobutadiene	10.87	225	116715	45.289	ng	99
35) Caprolactam	11.53	113	45469	27.805	ng	# 72
36) 4-Chloro-3-methylphenol	11.85	107	174490	37.169	ng	92
37) 2-Methylnaphthalene	12.20	142	401237	41.798	ng	91
39) 1,2,4,5-Tetrachlorobenzene	12.57	216	246795	38.973	ng	99
40) Hexachlorocyclopentadiene	12.55	237	244845	70.319	ng	89

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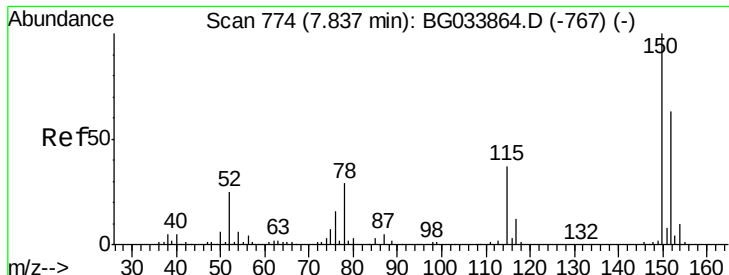
Manual Integrations
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 4/30/2018 7:02:30 PM

Quant Time: Apr 30 15:21:16 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	12.82	196	149245	38.655	ng	94
43) 2,4,5-Trichlorophenol	12.91	196	166628	37.540	ng	97
45) 1,1'-Biphenyl	13.22	154	598104	38.744	ng	98
46) 2-Chloronaphthalene	13.26	162	450141	38.456	ng	98
47) 2-Nitroaniline	13.49	65	122315	33.467	ng	# 86
48) Acenaphthylene	14.11	152	749020	38.496	ng	99
49) Dimethylphthalate	13.86	163	671685	40.040	ng	99
50) 2,6-Dinitrotoluene	13.97	165	146943	46.222	ng	86
51) Acenaphthene	14.46	154	460885	37.707	ng	98
52) 3-Nitroaniline	14.35	138	35780	10.365	ng	# 78
53) 2,4-Dinitrophenol	14.53	184	21544	18.949	ng	95
54) Dibenzofuran	14.79	168	759377	41.906	ng	94
55) 4-Nitrophenol	14.67	139	102016	37.681	ng	# 81
56) 2,4-Dinitrotoluene	14.77	165	206872	48.935	ng	# 77
57) Fluorene	15.44	166	658042	41.964	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.03	232	202891	49.922	ng	# 88
59) Diethylphthalate	15.23	149	721821	40.708	ng	97
60) 4-Chlorophenyl-phenylether	15.44	204	363030	44.262	ng	94
61) 4-Nitroaniline	15.51	138	99931	27.265	ng	93
62) Azobenzene	15.74	77	566134	35.817	ng	95
64) 4,6-Dinitro-2-methylphenol	15.53	198	49848	23.668	ng	93
65) n-Nitrosodiphenylamine	15.66	169	597072	39.407	ng	99
66) 4-Bromophenyl-phenylether	16.34	248	233998	40.885	ng	96
67) Hexachlorobenzene	16.44	284	255644	41.884	ng	# 72
68) Atrazine	16.62	200	257812	43.434	ng	100
69) Pentachlorophenol	16.80	266	239191	57.052	ng	# 25
70) Phenanthrene	17.19	178	1104283	39.498	ng	98
71) Anthracene	17.28	178	1201470	42.973	ng	98
72) Carbazole	17.56	167	1052400	39.017	ng	99
73) Di-n-butylphthalate	18.12	149	1278617	38.105	ng	99
74) Fluoranthene	19.20	202	1405765	41.568	ng	97
76) Benzidine	19.42	184	248250	16.855	ng	98
77) Pyrene	19.57	202	1406844	39.326	ng	95
79) Butylbenzylphthalate	20.48	149	591502	37.651	ng	91
80) Benzo(a)anthracene	21.37	228	1350367	39.263	ng	98
81) 3,3'-Dichlorobenzidine	21.31	252	216202	16.859	ng	99
82) Chrysene	21.44	228	1366790	41.616	ng	97
83) Bis(2-ethylhexyl)phthalate	21.31	149	822171	37.057	ng	98
84) Di-n-octyl phthalate	22.45	149	1410029	40.040	ng	95
85) Indeno(1,2,3-cd)pyrene	27.78	276	1558401	41.685	ng	# 91
87) Benzo(b)fluoranthene	23.45	252	1321761	39.397	ng	99
88) Benzo(k)fluoranthene	23.50	252	1454936	43.658	ng	97
89) Benzo(a)pyrene	24.25	252	1355528	42.188	ng	100
90) Dibenzo(a,h)anthracene	27.84	278	1263670	40.645	ng	97
91) Benzo(g,h,i)perylene	28.83	276	1291793	42.225	ng	98

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



#1

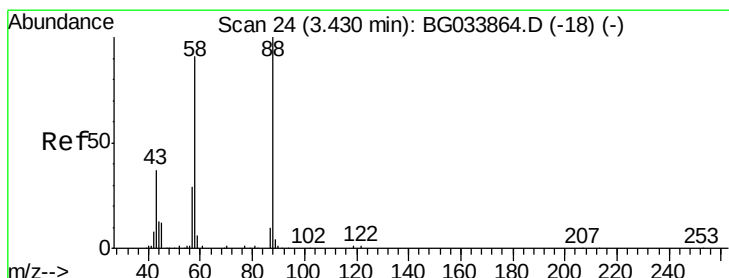
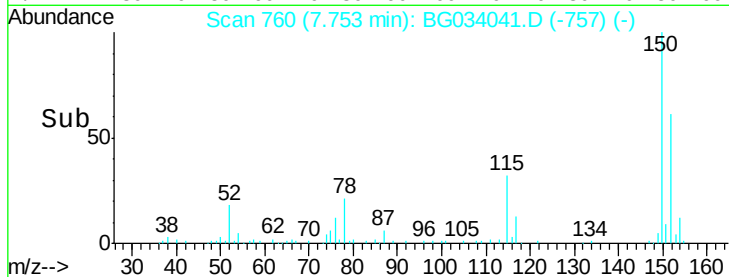
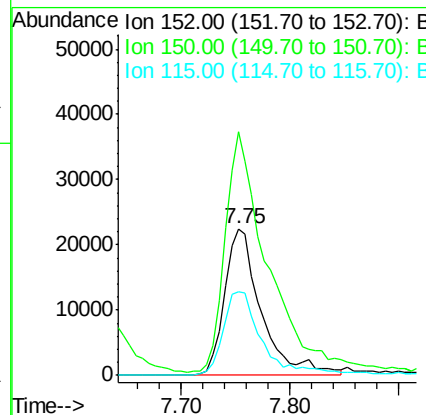
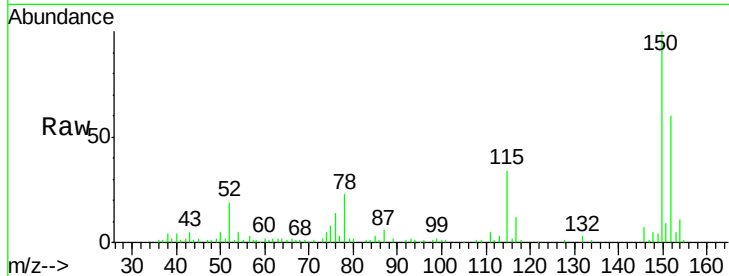
1,4-Dichlorobenzene-d4
Concen: 20.000 ng m
RT: 7.75 min Scan# 760
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.9	126.6	189.8
115	57.1	53.0	79.4

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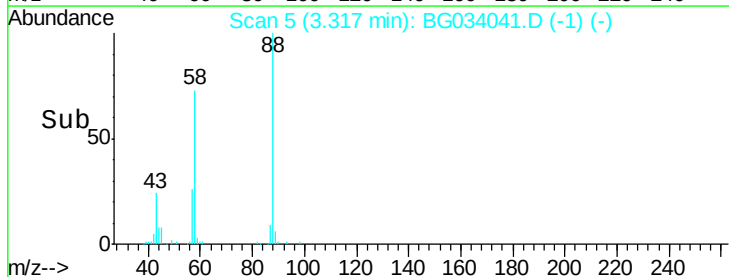
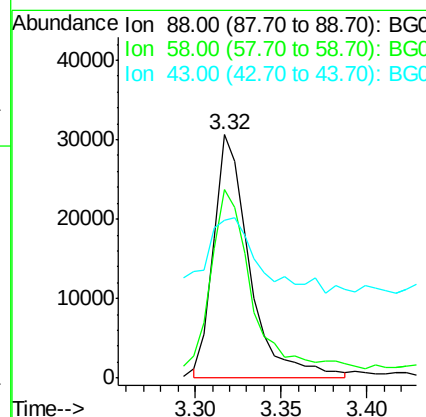
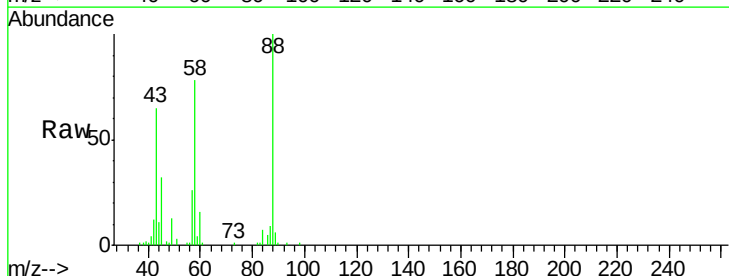
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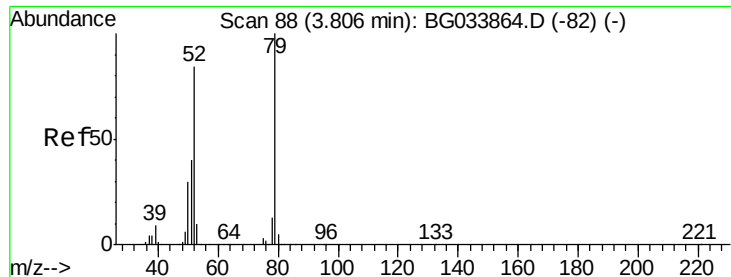


#2

1,4-Dioxane
Concen: 32.060 ng m
RT: 3.32 min Scan# 5
Delta R.T. -0.11 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.2	79.6	119.4#
43	38.0	27.4	41.0





#3

Pvridine

Concen: 18.446 ng

RT: 3.71 min Scan# 72

Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

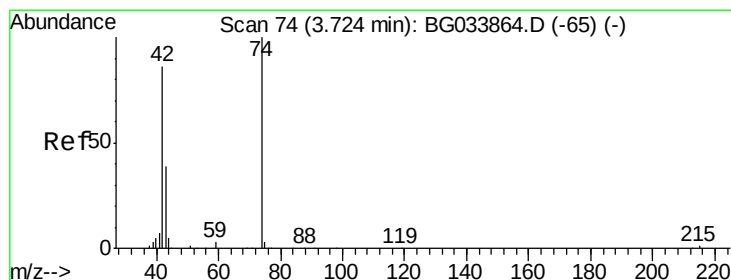
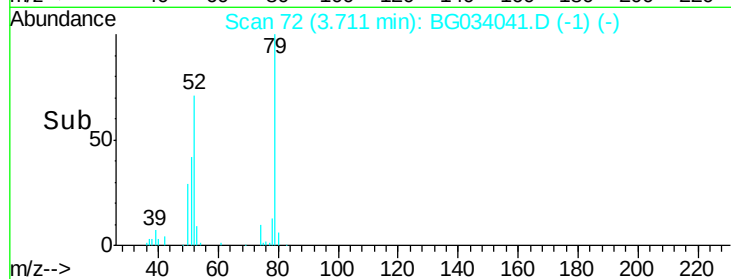
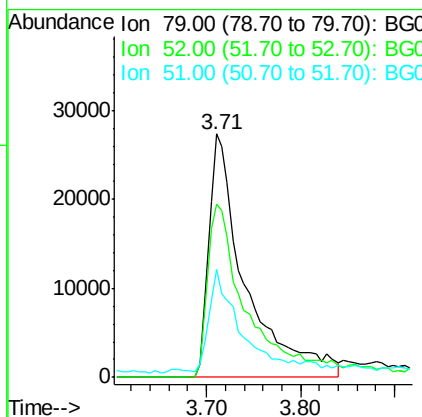
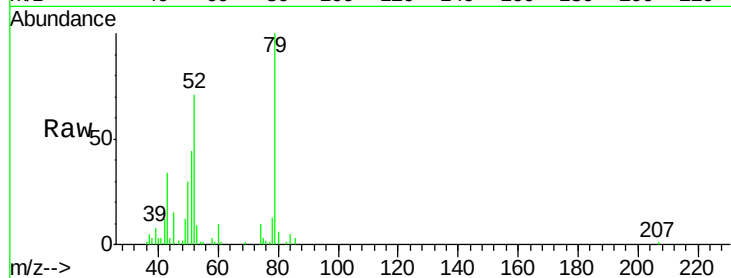
ClientSampleId :

JC-01-042518MSD

Tot Ion:	79	Resp:	74397
Ion	Ratio	Lower	Upper
79	100		
52	71.2	69.9	104.9
51	44.2	34.0	51.0

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 24.275 ng

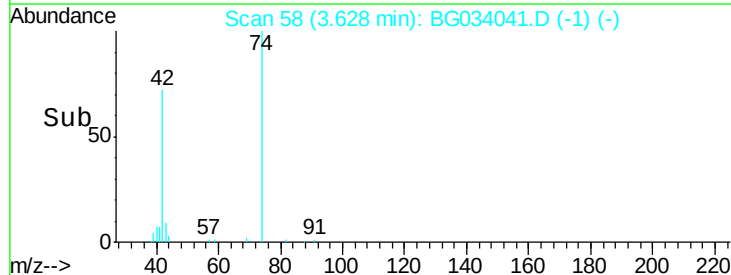
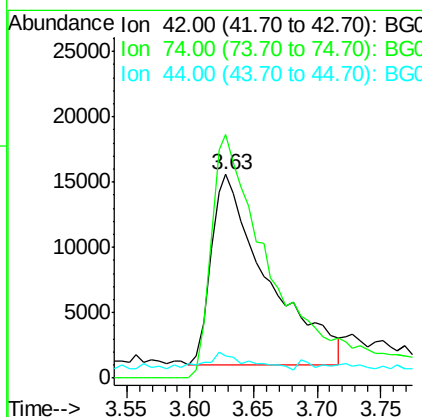
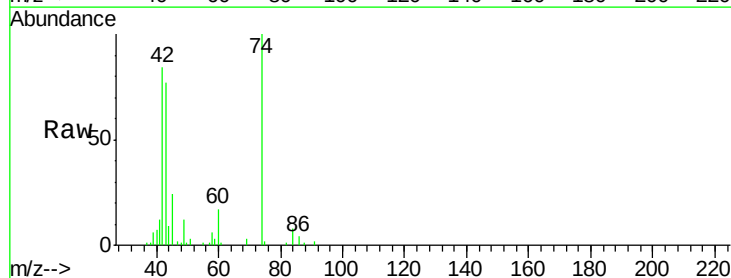
RT: 3.63 min Scan# 58

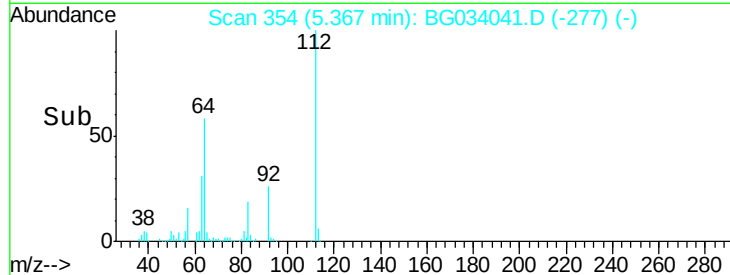
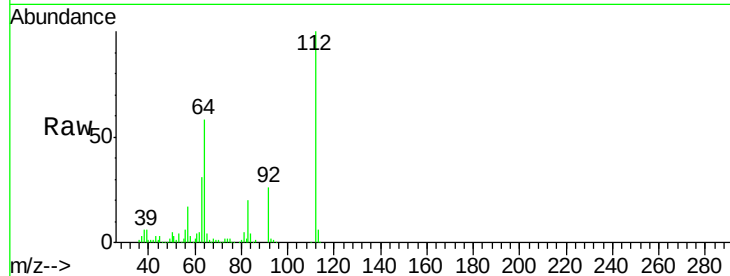
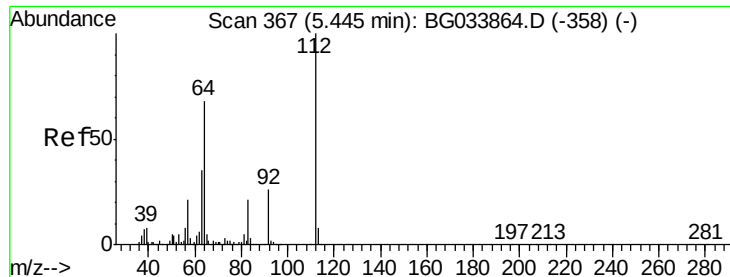
Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	42	Resp:	44604
Ion	Ratio	Lower	Upper
42	100		
74	119.7	102.5	153.7
44	10.7	18.9	28.3#





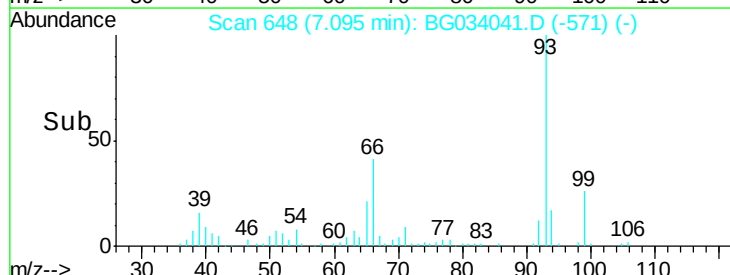
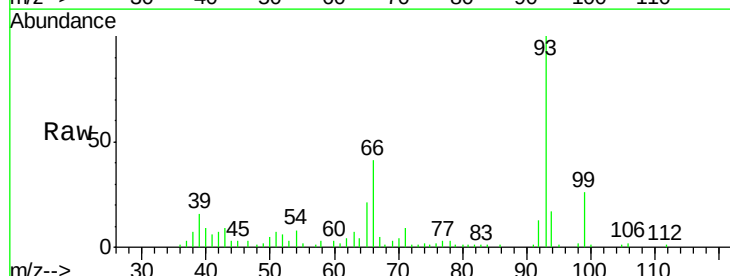
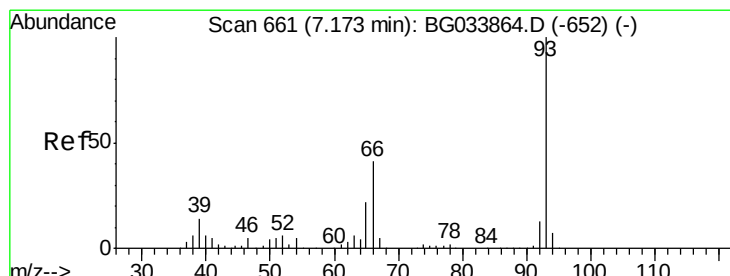
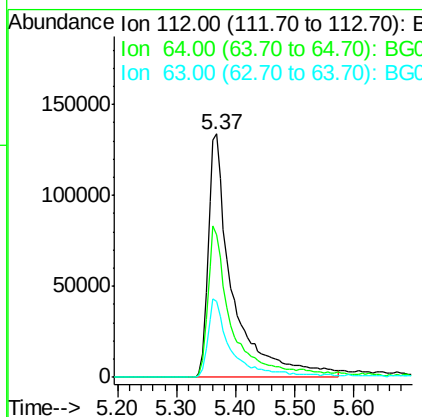
#5
2-Fluorophenol
Concen: 116.764 ng
RT: 5.37 min Scan# 354
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tot Ion:	112	Resp:	385191
Ion Ratio	Lower	Upper	
112	100		
64	58.3	56.3	84.5
63	31.2	30.1	45.1

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

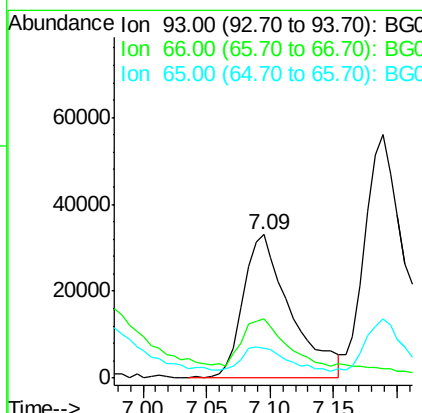
Manual Integrations
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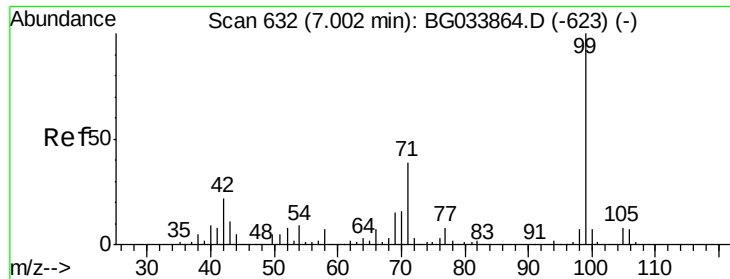
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#6
Aniline
Concen: 13.346 ng
RT: 7.09 min Scan# 648
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion:	93	Resp:	85839
Ion Ratio	Lower	Upper	
93	100		
66	41.2	33.7	50.5
65	20.8	16.1	24.1





#7

Phenol-d6

Concen: 104.454 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

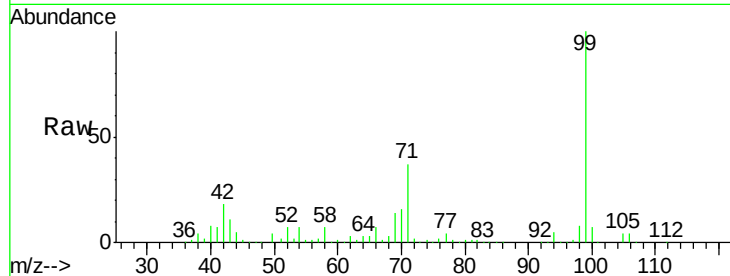
ClientSampleId :

JC-01-042518MSD

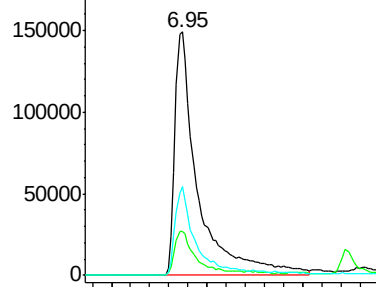
Tot Ion:	99	Resp:	502596
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.1	21.1
71	36.5	26.1	39.1

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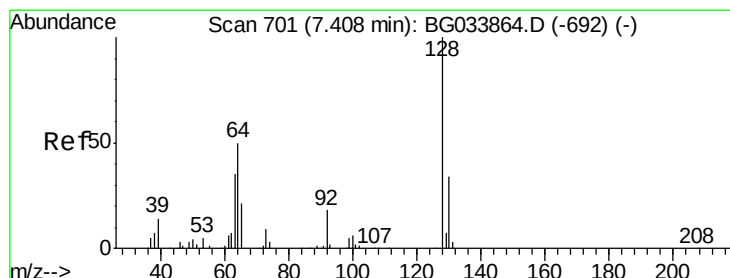
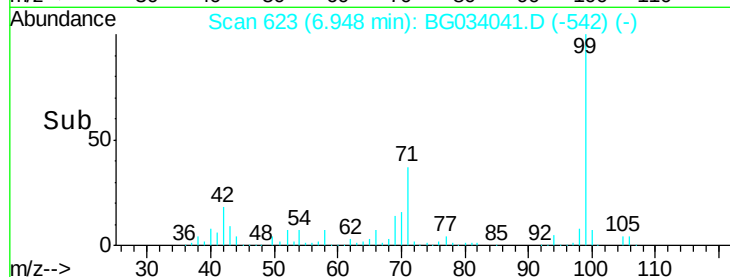
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#8

2-Chlorophenol

Concen: 39.662 ng

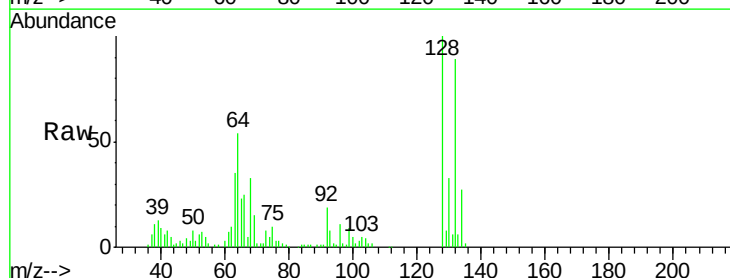
RT: 7.32 min Scan# 687

Delta R.T. -0.08 min

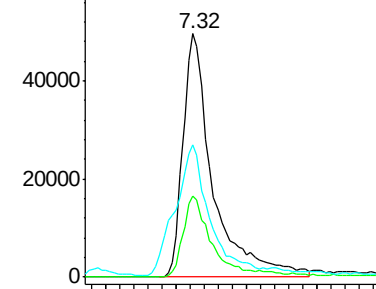
Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

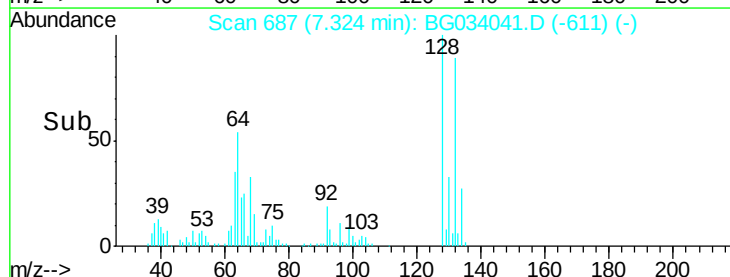
Tgt Ion:	128	Resp:	146606
Ion Ratio	Lower	Upper	
128	100		
130	33.5	14.0	54.0
64	54.4	37.7	77.7

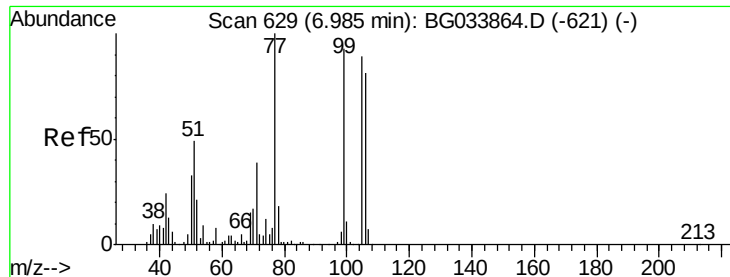


Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC



Time-->





#9

Benzaldehyde

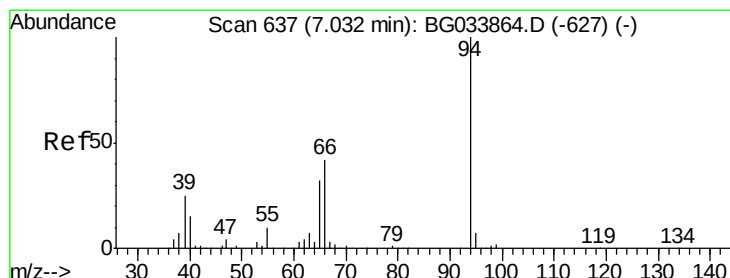
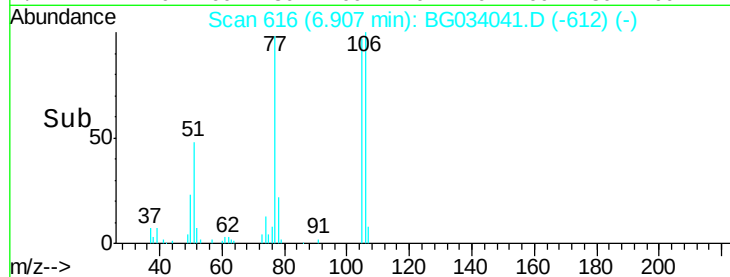
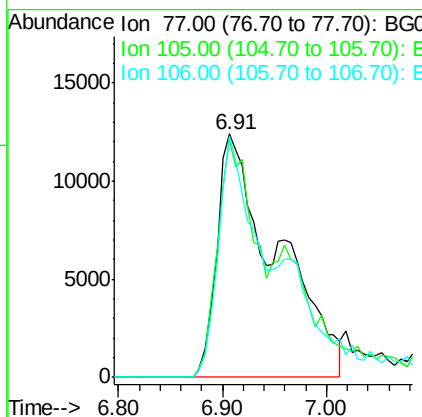
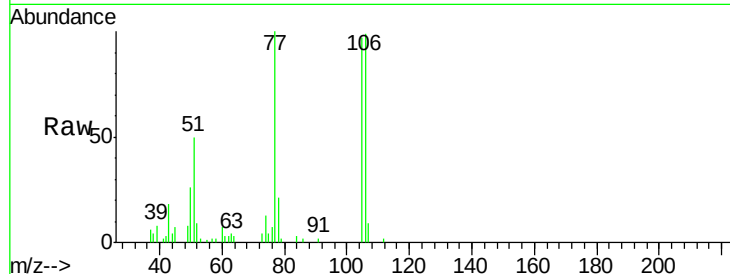
Concen: 16.397 ng/mL
 RT: 6.91 min Scan# 616
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	97.3	71.3	111.3	
106	98.9	64.2	104.2	

Manual Integrations
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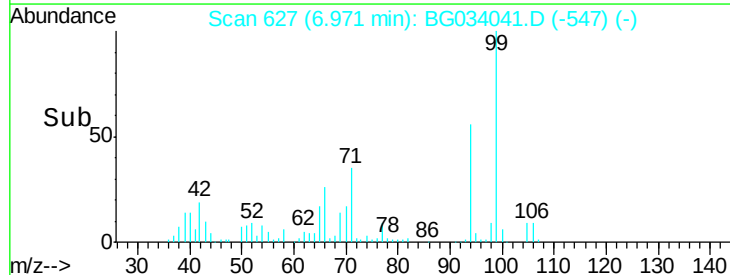
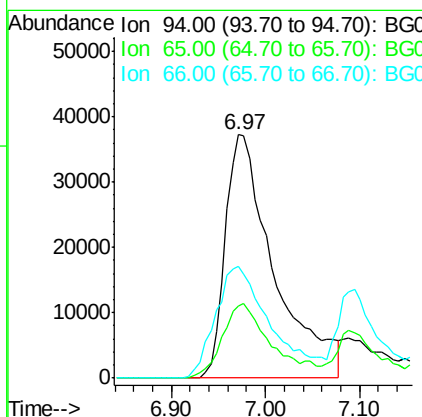
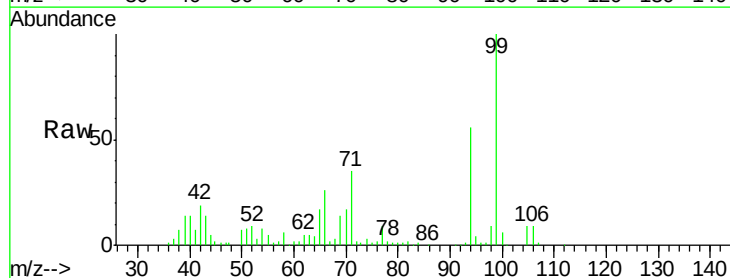


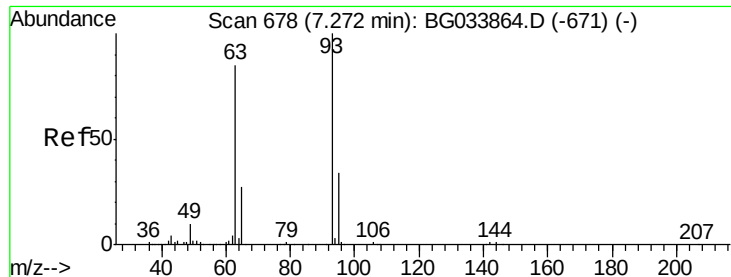
#10

Phenol

Concen: 27.258 ng/mL
 RT: 6.97 min Scan# 627
 Delta R.T. -0.06 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	29.8	11.9	51.9	
66	46.1	22.2	62.2	





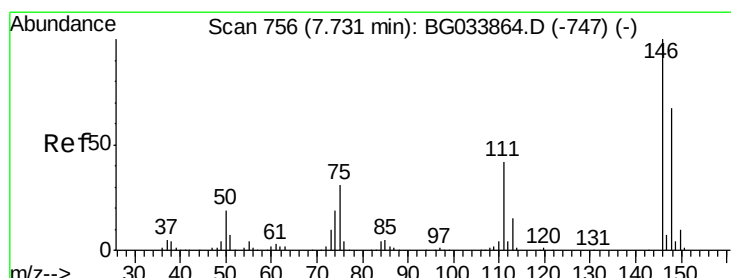
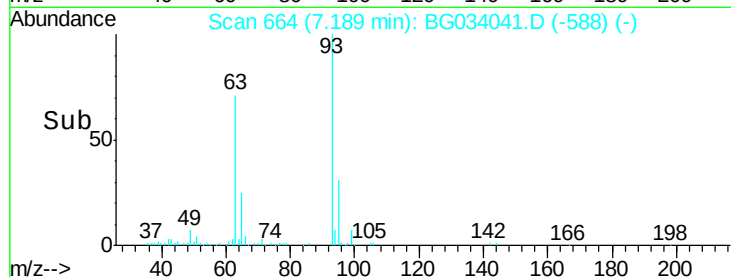
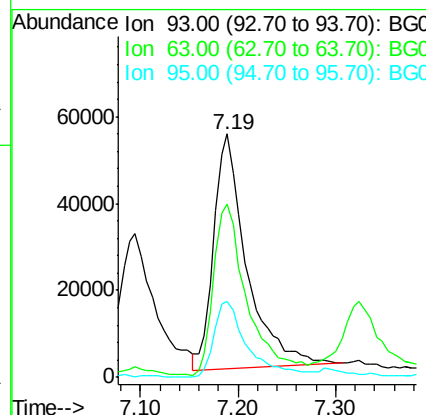
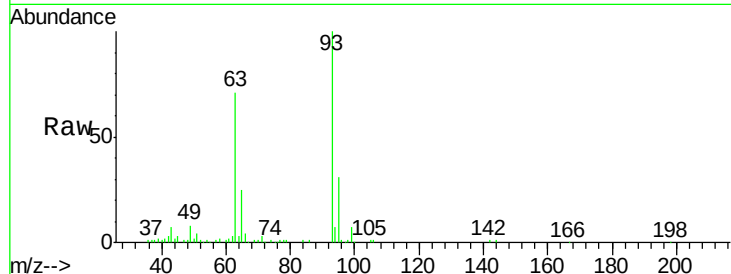
#11
bis(2-Chloroethyl)ether
Concen: 33.740 ng
RT: 7.19 min Scan# 664
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.3	67.1	107.1
95	31.4	11.5	51.5

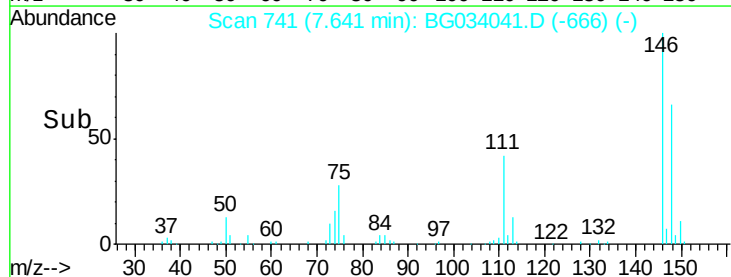
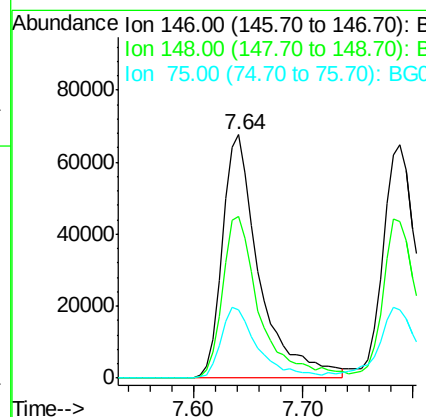
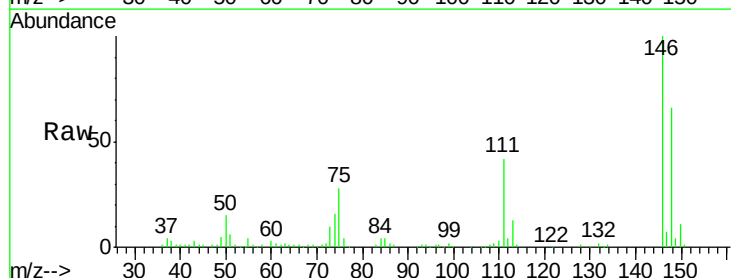
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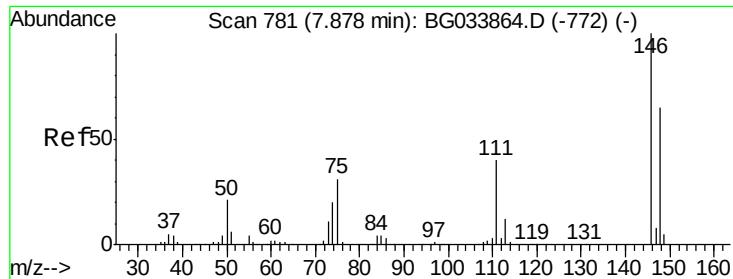
Sohil
4/30/2018 7:02:30 PM



#12
1,3-Dichlorobenzene
Concen: 37.418 ng m
RT: 7.64 min Scan# 741
Delta R.T. -0.09 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.3	51.4	77.2
75	28.2	26.6	39.8





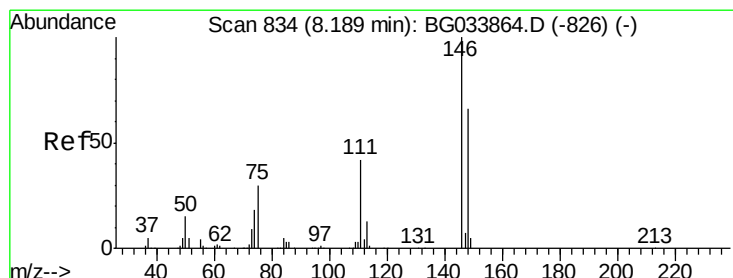
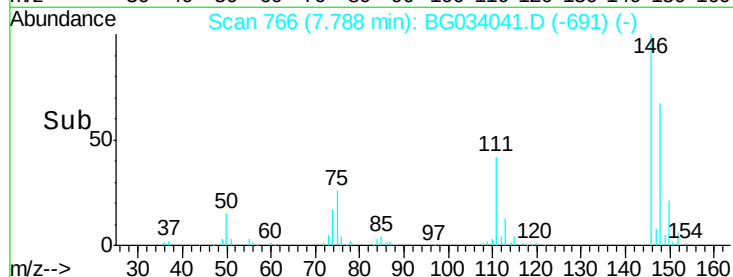
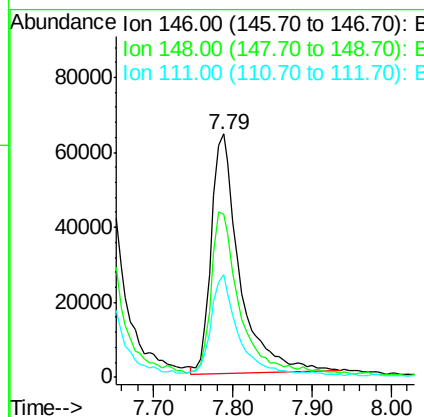
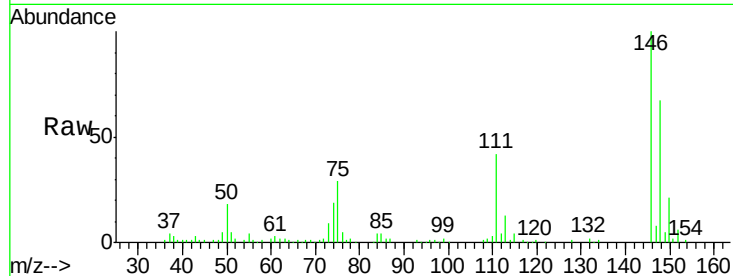
#13
 1,4-Dichlorobenzene
 Concen: 36.683 ng
 RT: 7.79 min Scan# 766
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	67.1	53.7	80.5
111	42.3	35.2	52.8

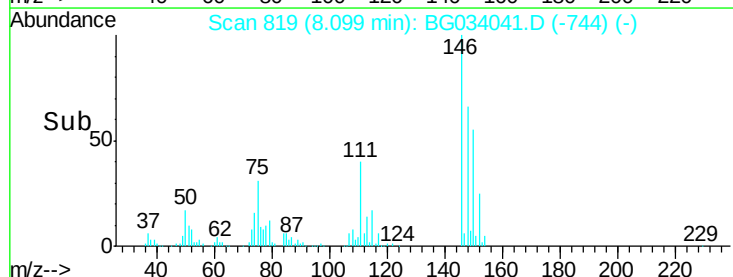
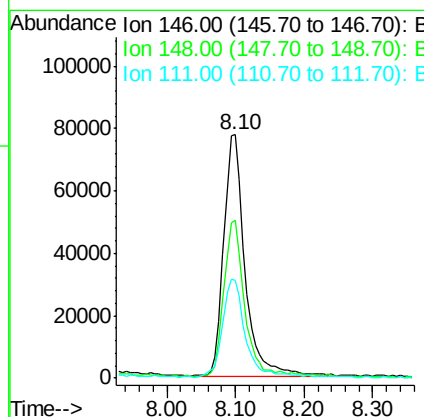
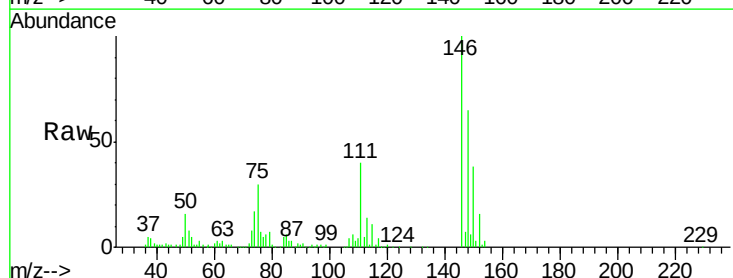
Manual Integrations
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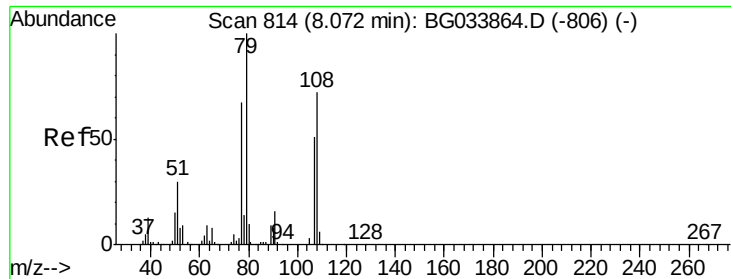
Sohil
 4/30/2018 7:02:30 PM



#14
 1,2-Dichlorobenzene
 Concen: 39.922 ng
 RT: 8.10 min Scan# 819
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.8	49.3	73.9
111	40.0	34.3	51.5





#15

Benzyl Alcohol

Concen: 27.711 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.07 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

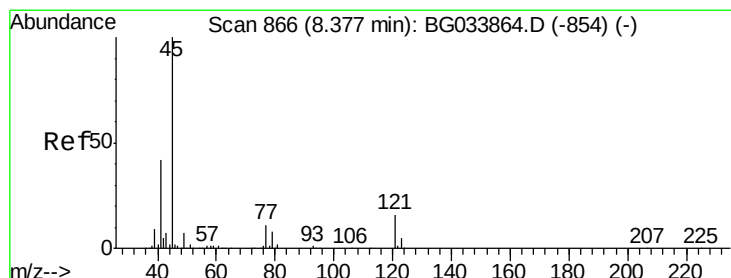
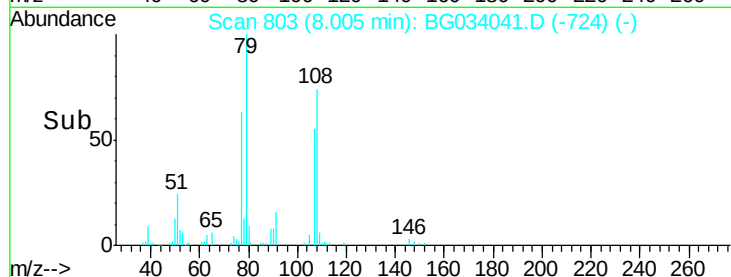
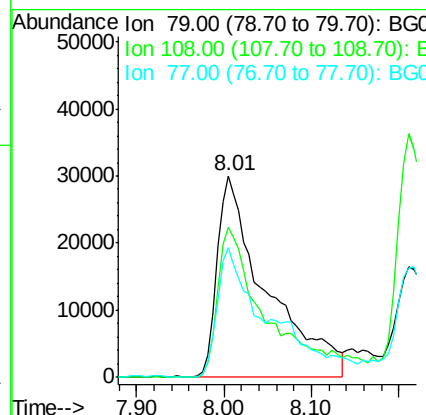
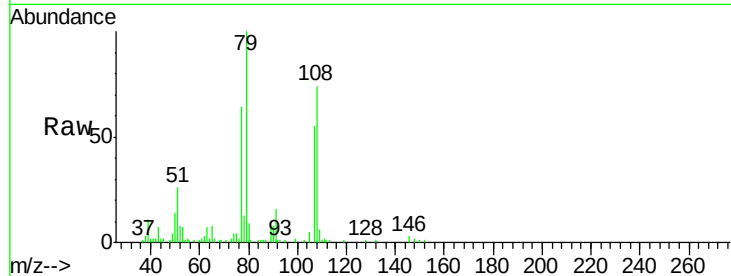
ClientSampleId :

JC-01-042518MSD

Tot Ion:	79	Resp:	116266
Ion Ratio	Lower	Upper	
79	100		
108	74.1	57.2	85.8
77	64.0	46.1	69.1

Manual Integrations
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4/30/2018 7:02:30 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 30.522 ng

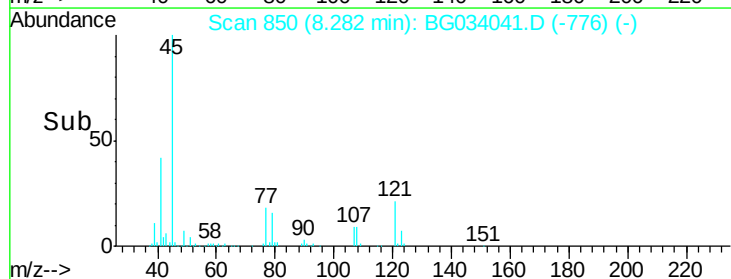
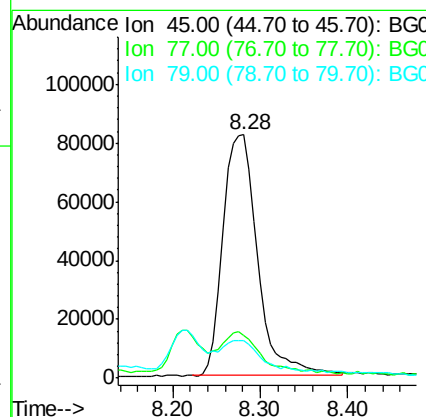
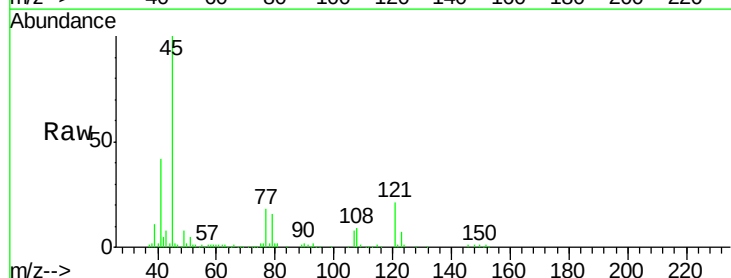
RT: 8.28 min Scan# 850

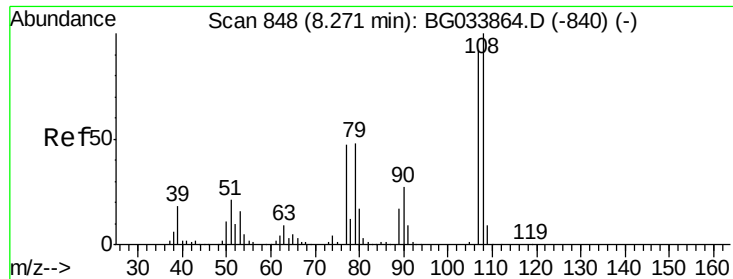
Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	45	Resp:	224426
Ion Ratio	Lower	Upper	
45	100		
77	17.5	0.0	30.2
79	15.7	0.0	27.9





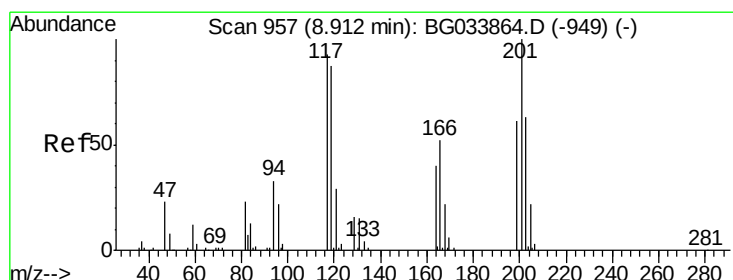
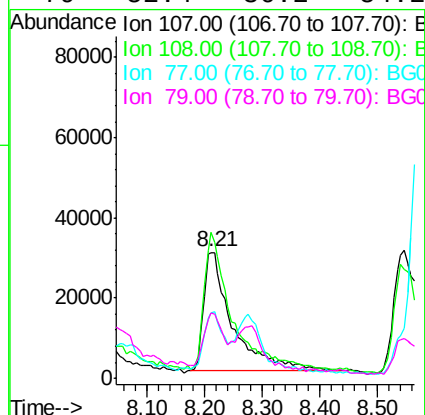
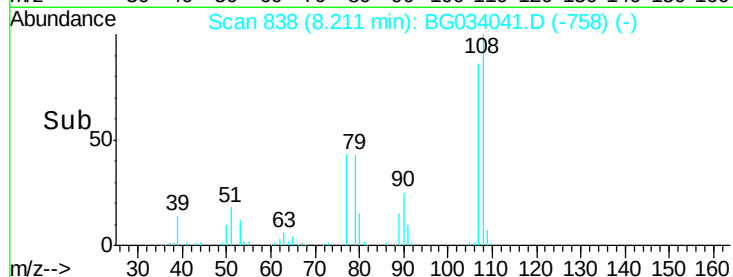
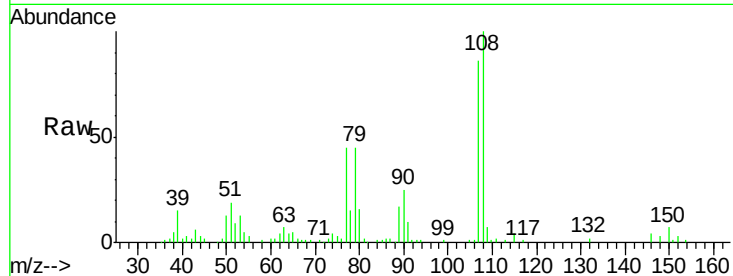
#17
2-Methylphenol
Concen: 28.707 ng
RT: 8.21 min Scan# 838
Delta R.T. -0.06 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.9	83.9	125.9
77	51.8	37.2	55.8
79	52.4	36.2	54.2

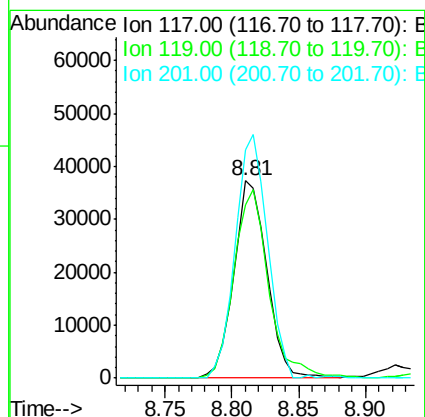
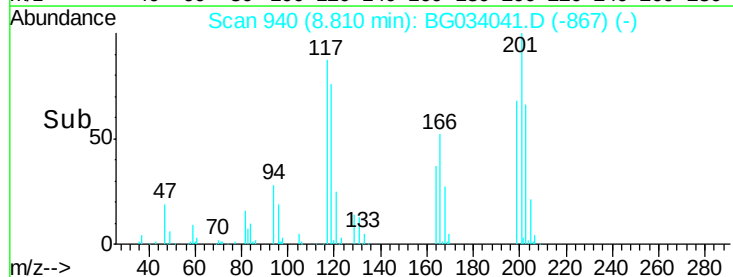
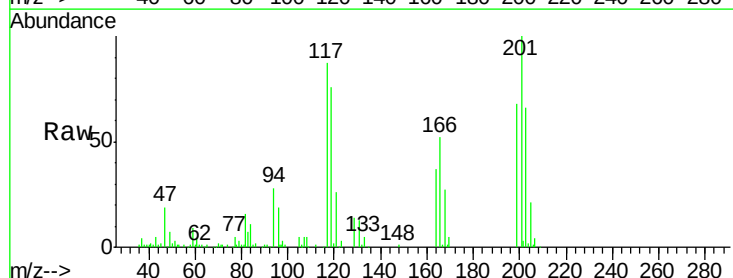
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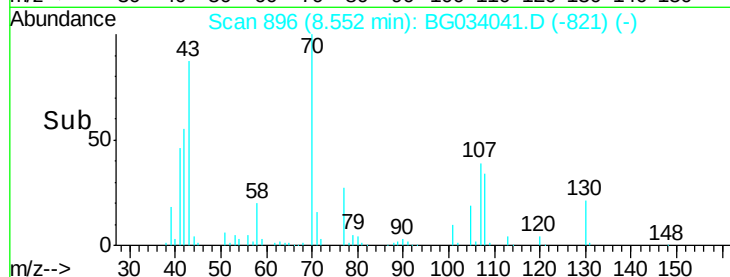
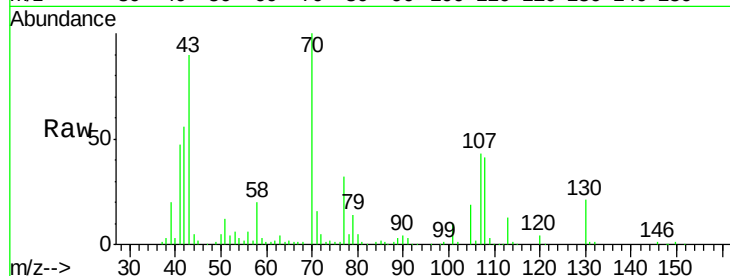
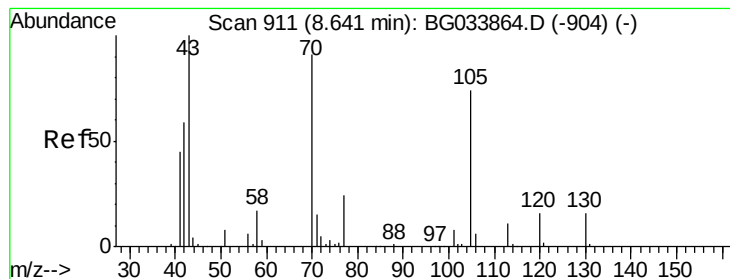
Sohil
4/30/2018 7:02:30 PM



#18
Hexachloroethane
Concen: 40.740 ng
RT: 8.81 min Scan# 940
Delta R.T. -0.10 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.9	76.7	115.1
201	119.0	95.7	143.5





#19

n-Nitroso-di-n-propylamine

Concen: 32.634 ng

RT: 8.55 min Scan# 896

Delta R.T. -0.09 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

ClientSampleId :

JC-01-042518MSD

Tot Ion: 70 Resp: 133848

Ion Ratio Lower Upper

70 100

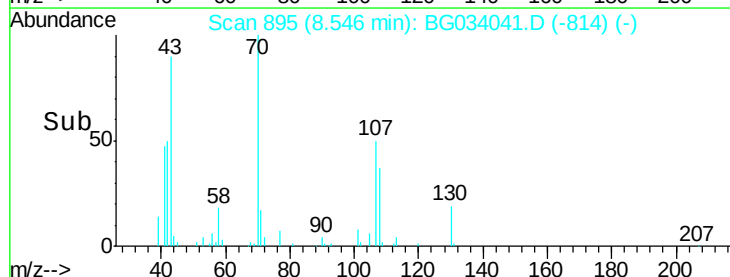
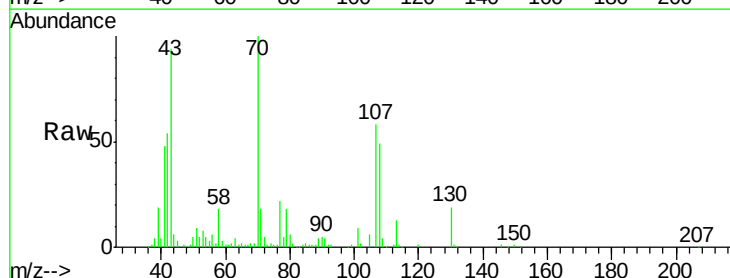
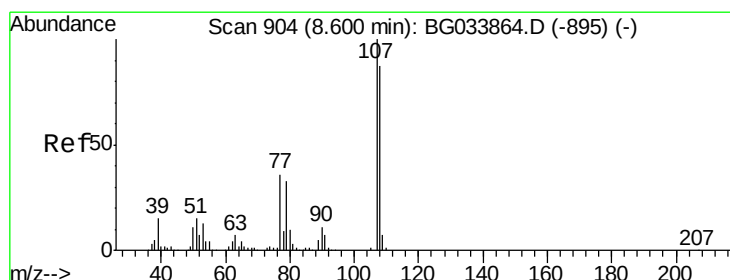
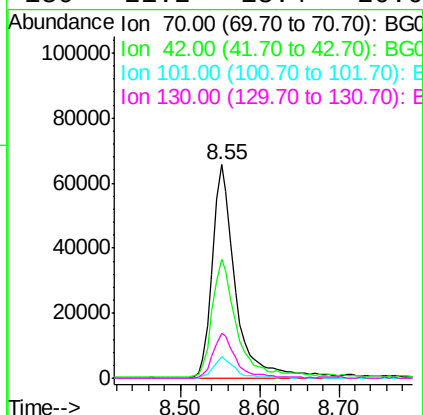
42 55.7 49.1 73.7

101 10.1 8.5 12.7

130 21.2 13.4 20.0#

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#20

3+4-Methylphenols

Concen: 25.024 ng

RT: 8.55 min Scan# 895

Delta R.T. -0.05 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion: 107 Resp: 132816

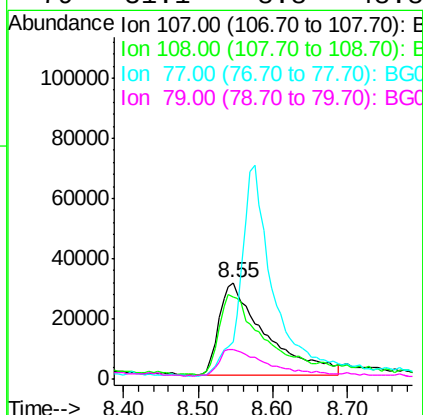
Ion Ratio Lower Upper

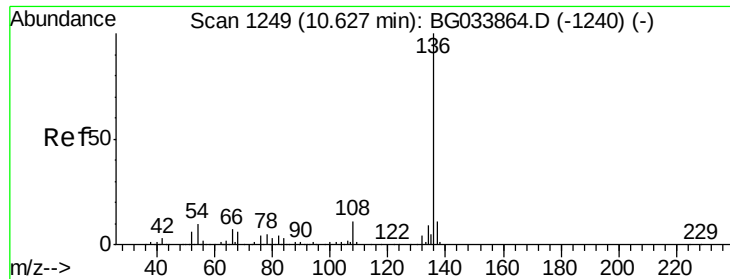
107 100

108 84.8 61.6 101.6

77 38.4 13.9 53.9

79 31.1 8.8 48.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

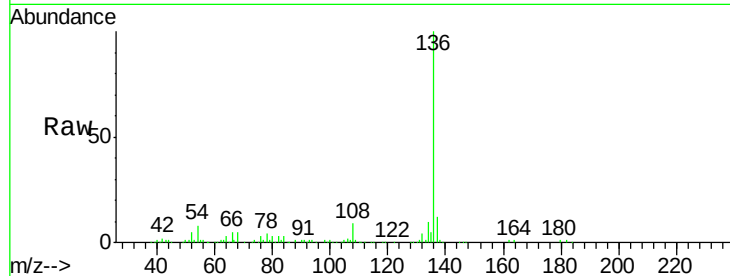
ClientSampleId :

JC-01-042518MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	243815		
137	12.2	9.2	13.8	
54	7.7	10.3	15.5	
68	5.2	4.5	6.7	

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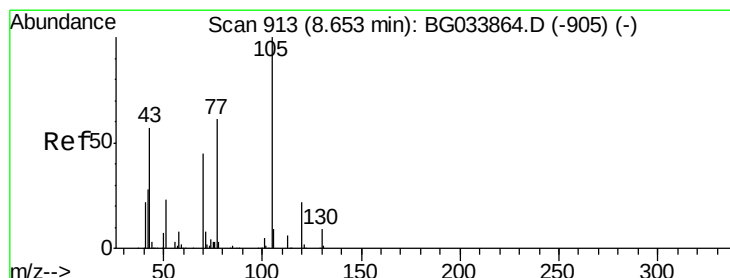
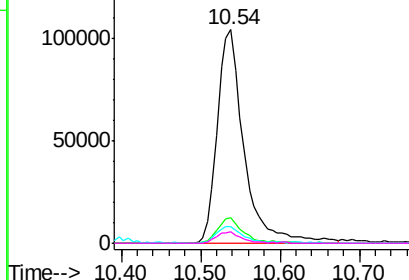
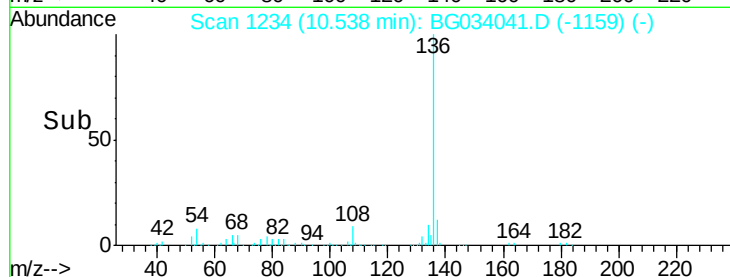


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 34.616 ng

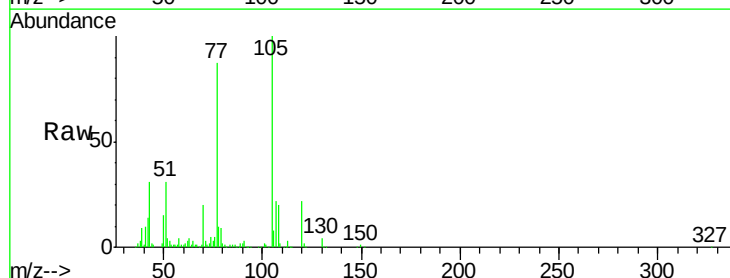
RT: 8.58 min Scan# 900

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229707		
71	3.5	3.0	4.4	
51	30.9	26.1	39.1	
120	21.9	17.4	26.2	

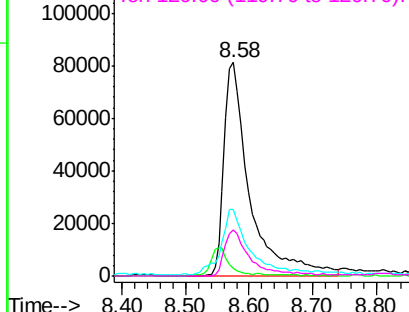
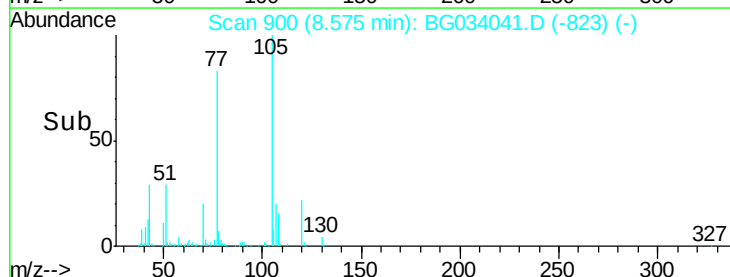


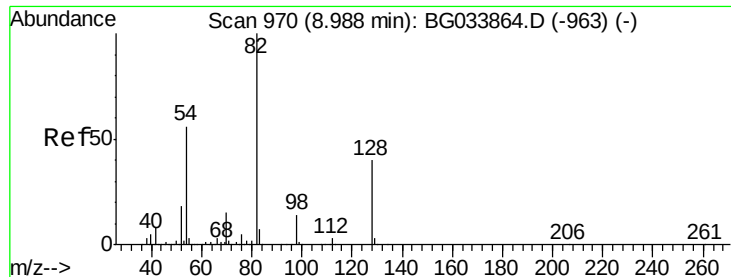
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





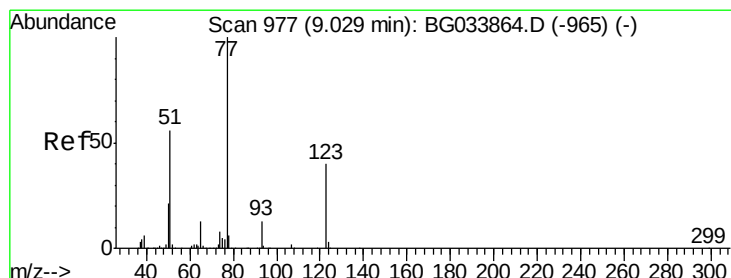
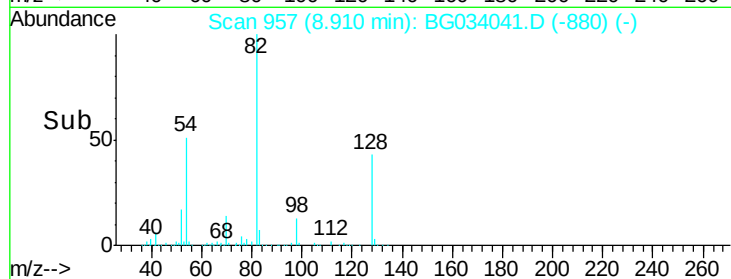
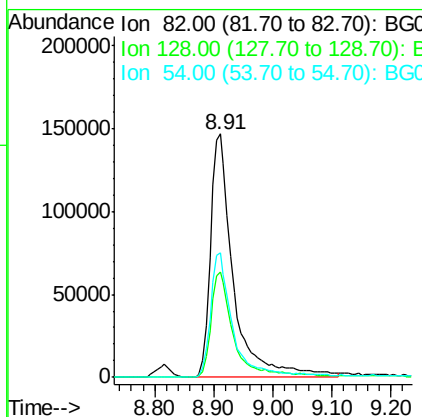
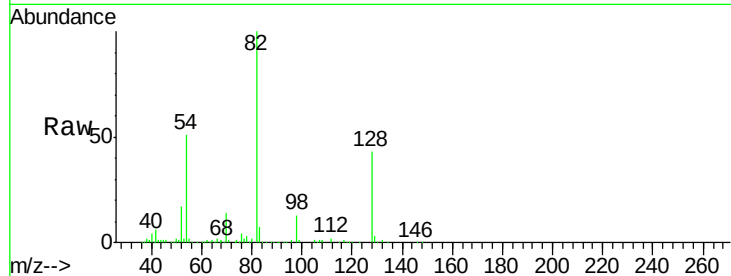
#23
Nitrobenzene-d5
Concen: 93.216 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	29.7	44.5	
54	51.2	43.1	64.7	

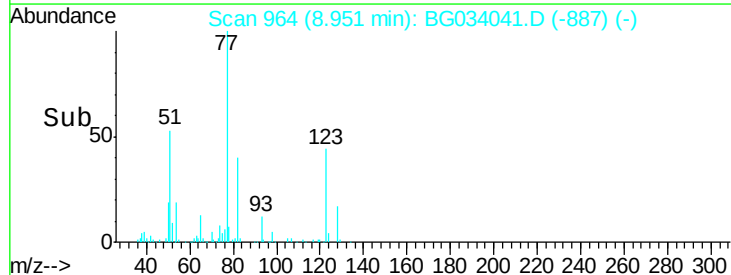
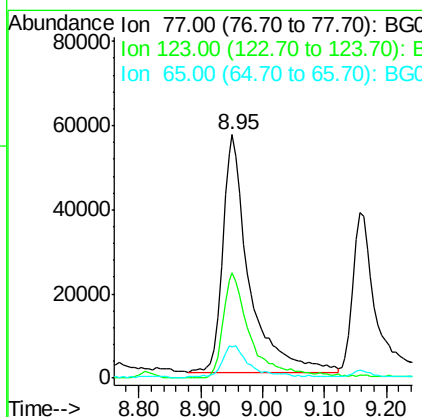
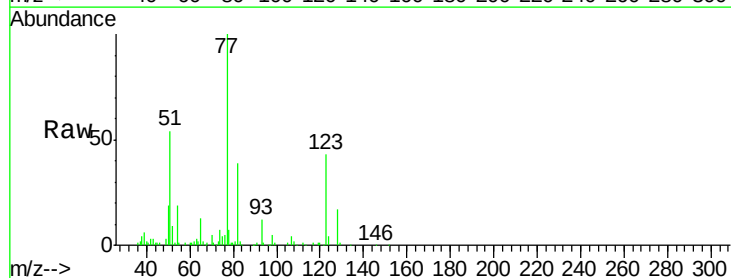
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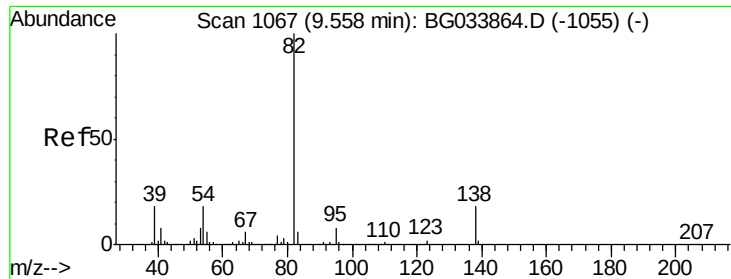
Sohil
4/30/2018 7:02:30 PM



#24
Nitrobenzene
Concen: 35.765 ng
RT: 8.95 min Scan# 964
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	43.3	33.0	49.6	
65	12.6	13.0	19.6	





#25

Isophorone

Concen: 40.560 ng

RT: 9.46 min Scan# 1051

Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

ClientSampleId :

JC-01-042518MSD

Tot Ion: 82 Resp: 390687

Ion Ratio Lower Upper

82 100

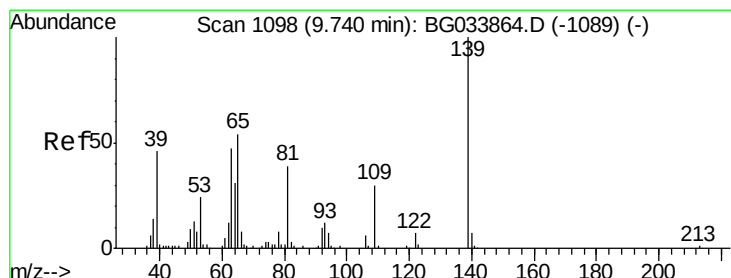
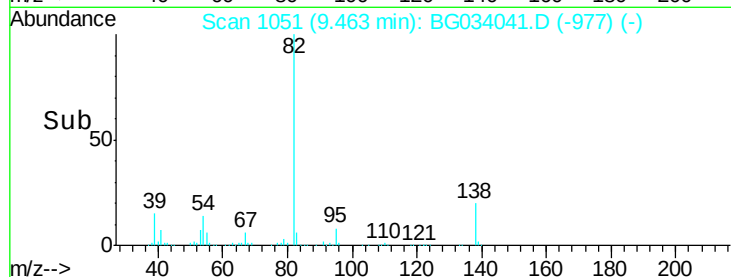
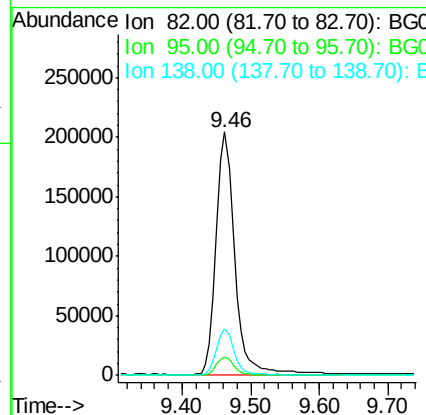
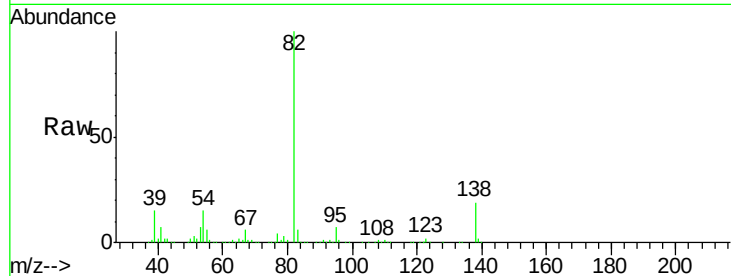
95 7.4 6.2 9.2

138 19.1 12.1 18.1#

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.091 ng

RT: 9.66 min Scan# 1085

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

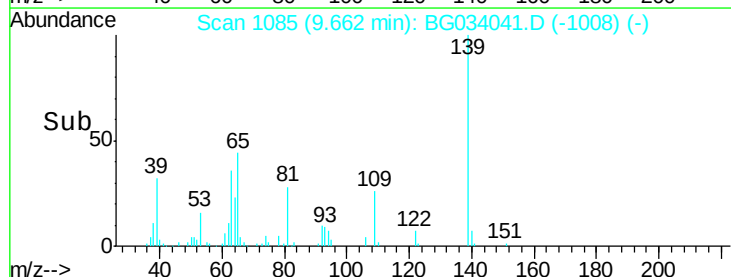
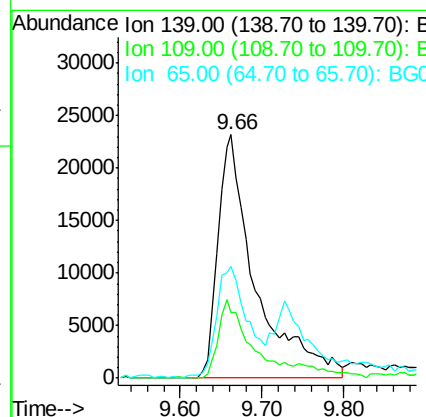
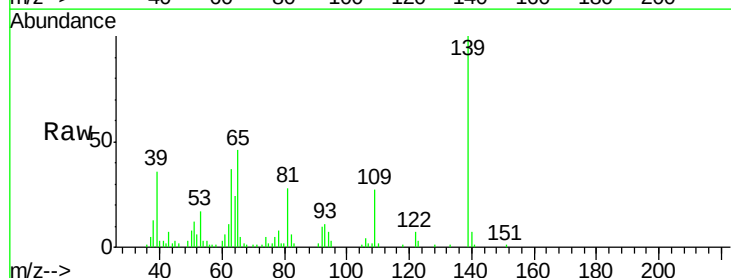
Tgt Ion: 139 Resp: 73954

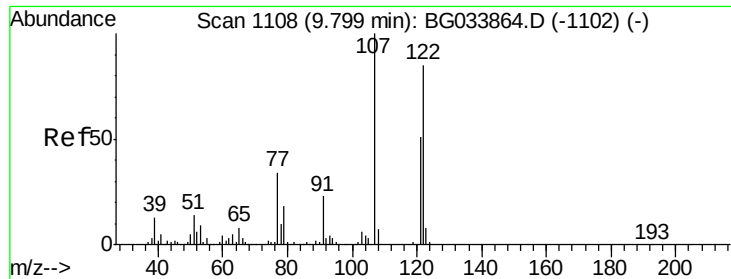
Ion Ratio Lower Upper

139 100

109 26.8 24.2 36.2

65 46.1 47.4 71.0#





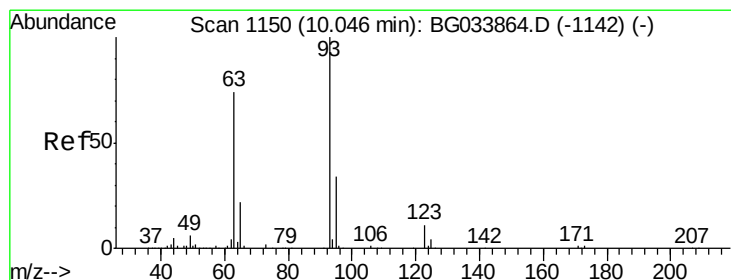
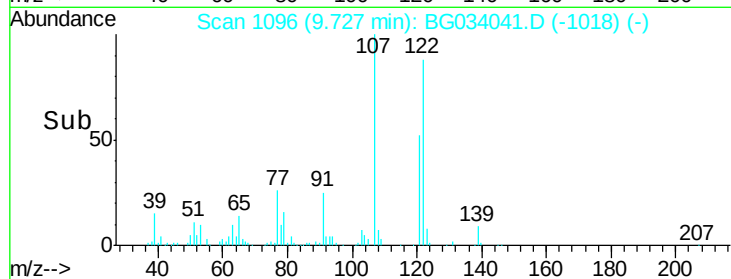
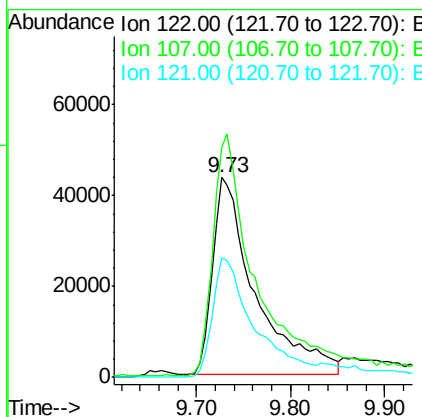
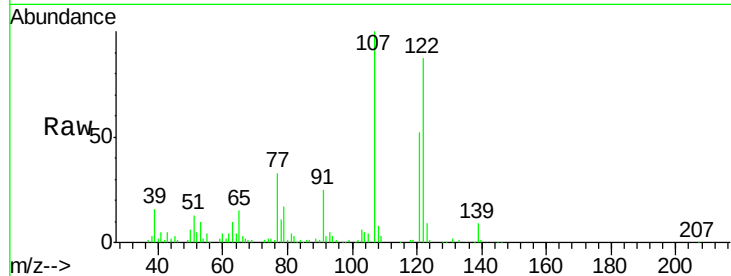
#27
 2,4-Dimethylphenol
 Concen: 39.921 ng
 RT: 9.73 min Scan# 1096
 Delta R.T. -0.07 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	114.9	100.2	150.2
121	59.5	44.4	66.6

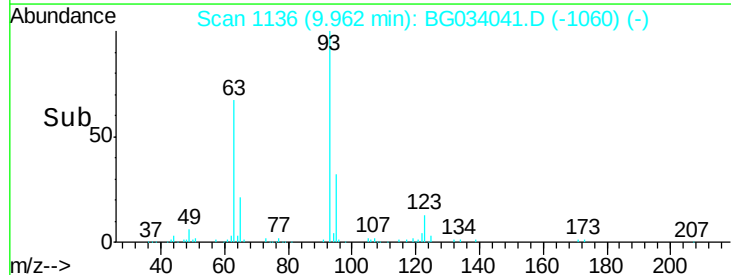
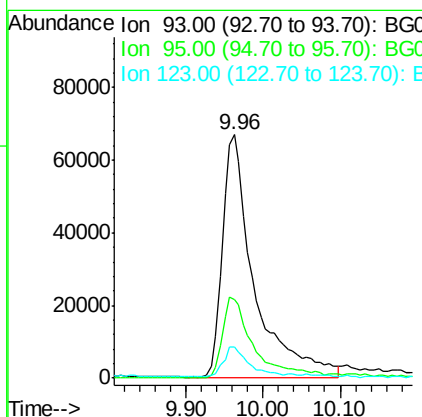
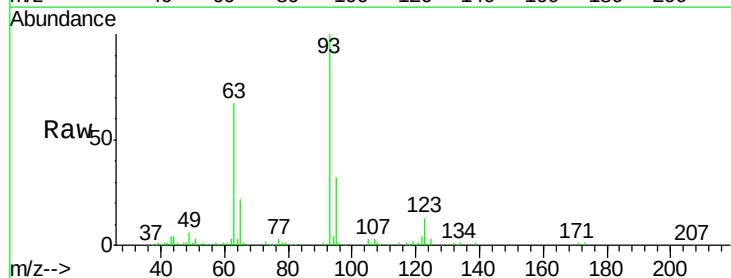
Manual Integrations
 APPROVED

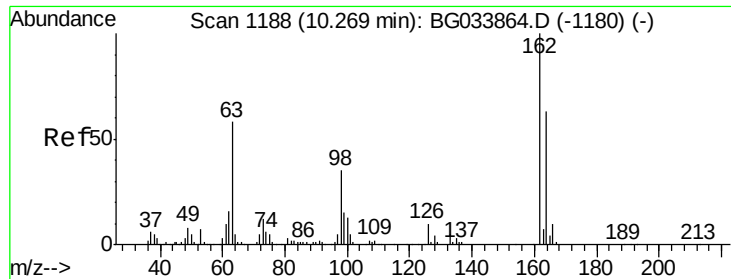
Sohil
 4/30/2018 7:02:30 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.516 ng
 RT: 9.96 min Scan# 1136
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	24.3	36.5
123	13.0	8.4	12.6





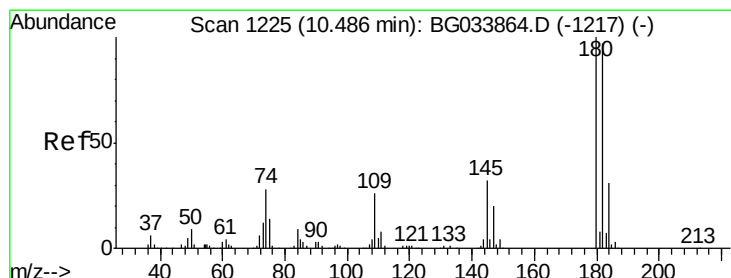
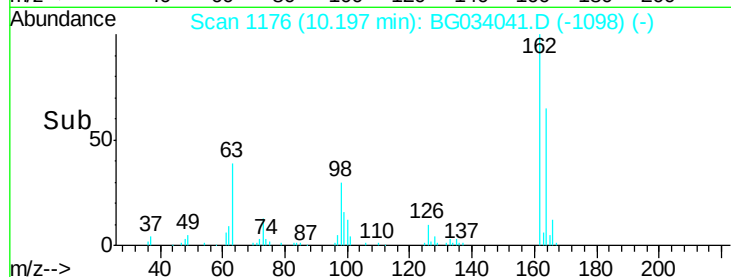
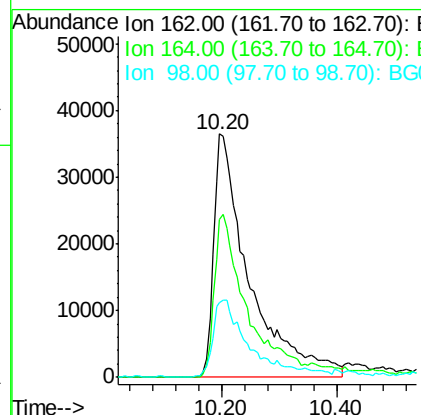
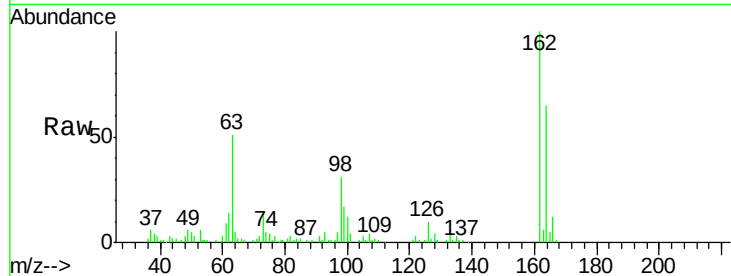
#29
 2,4-Dichlorophenol
 Concen: 40.646 ng
 RT: 10.20 min Scan# 1176
 Delta R.T. -0.07 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		156339		
164	64.7	48.0	88.0		
98	30.7	21.1	61.1		

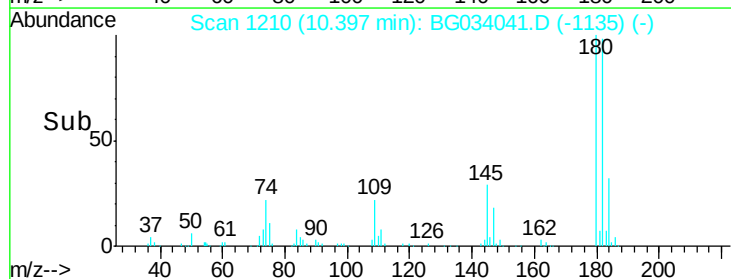
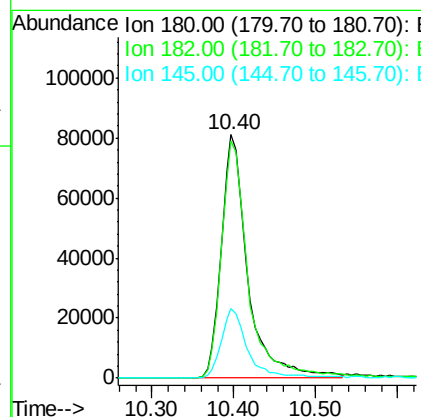
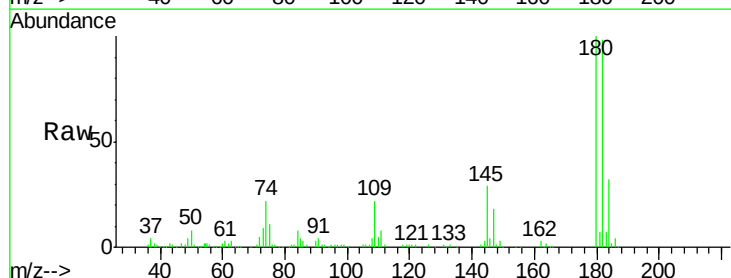
Manual Integrations
 APPROVED

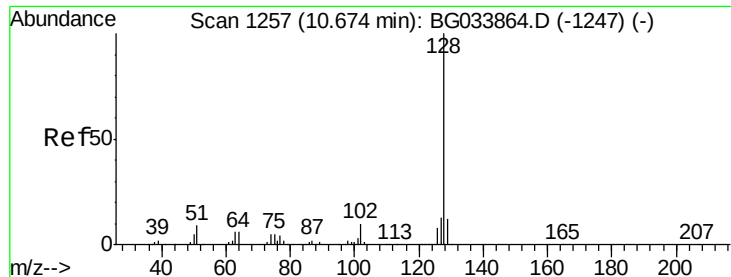
Sohil
 4/30/2018 7:02:30 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 42.667 ng
 RT: 10.40 min Scan# 1210
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		183809		
182	97.5	77.5	116.3		
145	28.7	23.4	35.2		





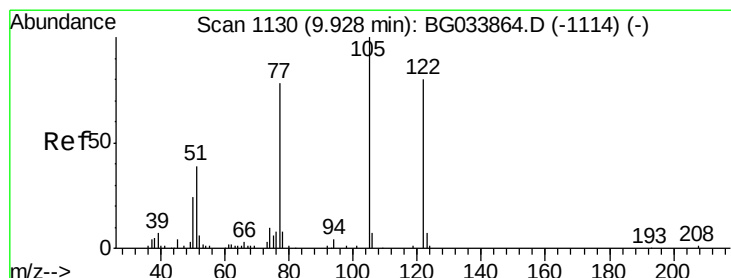
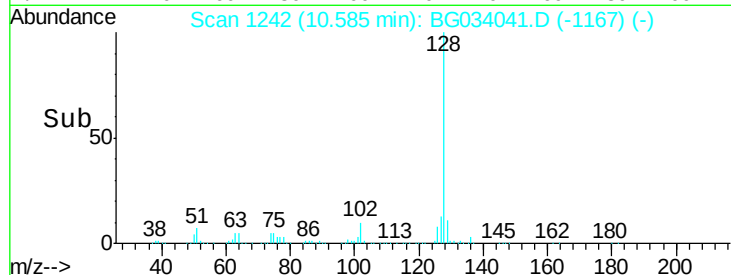
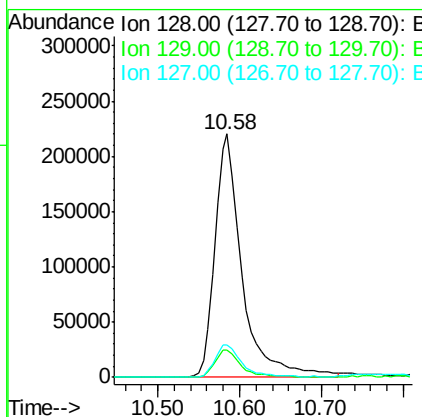
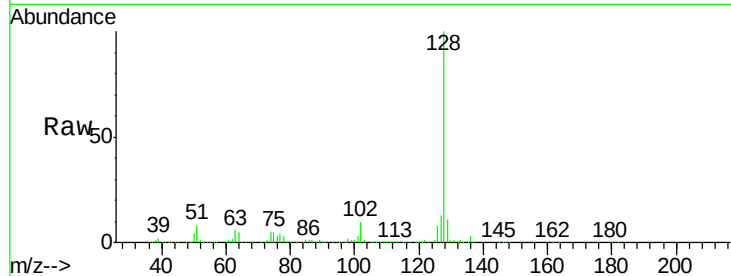
#31
Naphthalene
Concen: 40.334 ng
RT: 10.58 min Scan# 1242
Delta R.T. -0.09 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	505712		
129	11.2		8.6	12.8
127	13.4		11.6	17.4

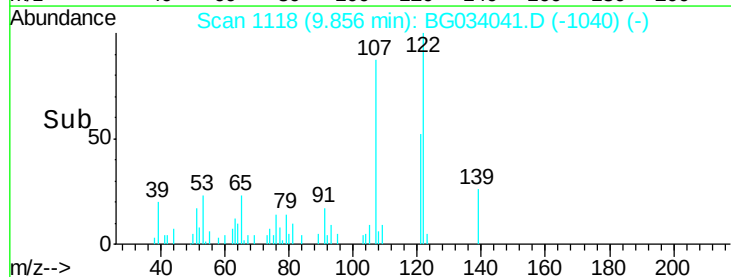
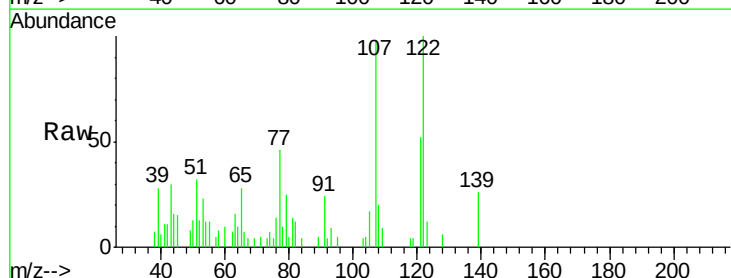
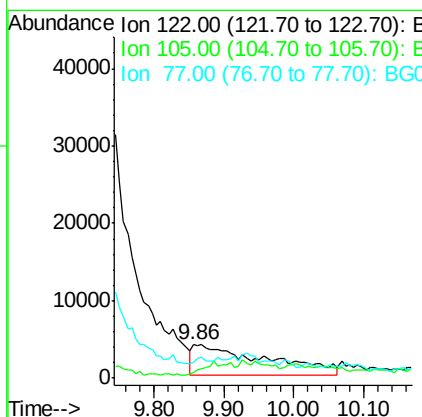
Manual Integrations
APPROVED

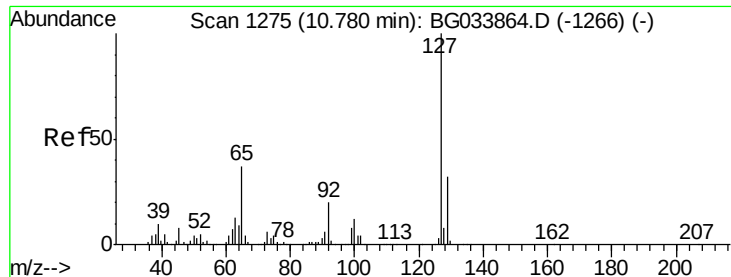
Sohil
4/30/2018 7:02:30 PM



#32
Benzoic acid
Concen: 12.401 ng m
RT: 9.86 min Scan# 1118
Delta R.T. -0.07 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	28142		
105	16.8		123.5	163.5#
77	45.5		85.7	125.7#





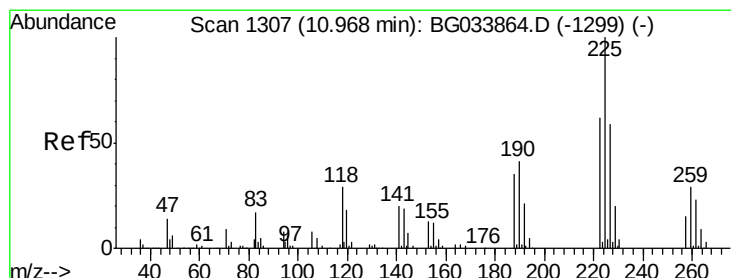
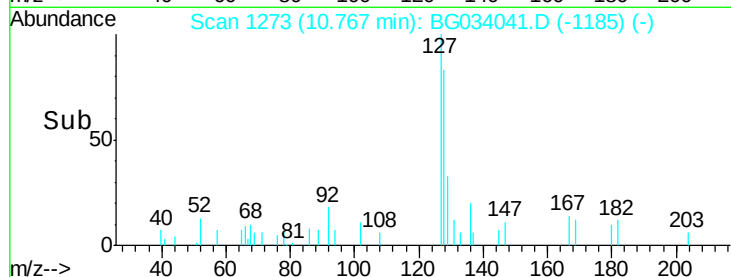
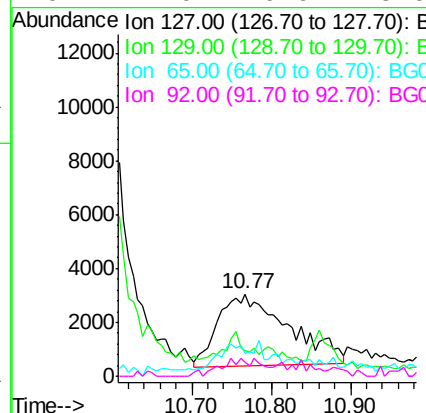
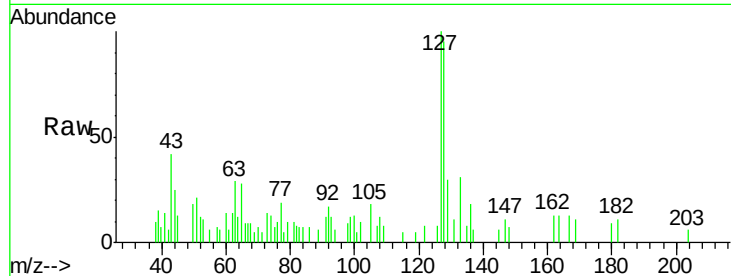
#33
4-Chloroaniline
Concen: 2.754 ng/ml
RT: 10.77 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		16227		
129	30.4	24.0	36.0		
65	27.8	27.0	40.4		
92	17.0	16.6	25.0		

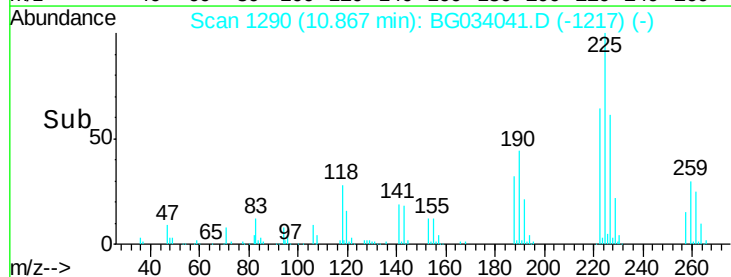
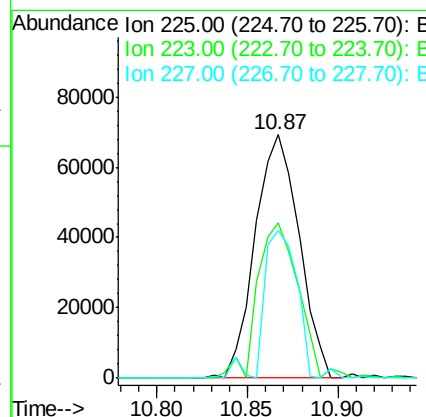
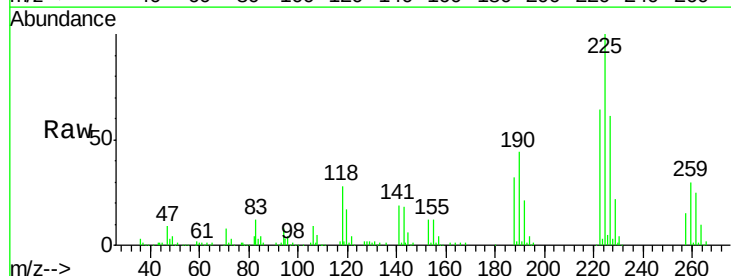
Manual Integrations
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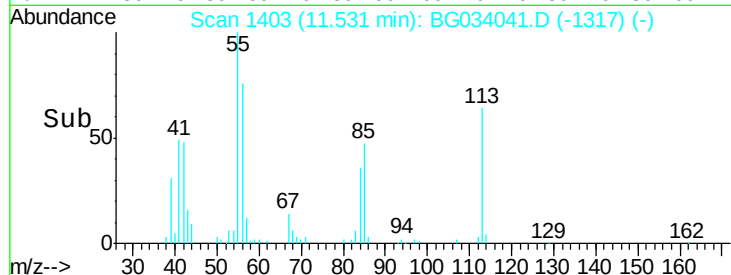
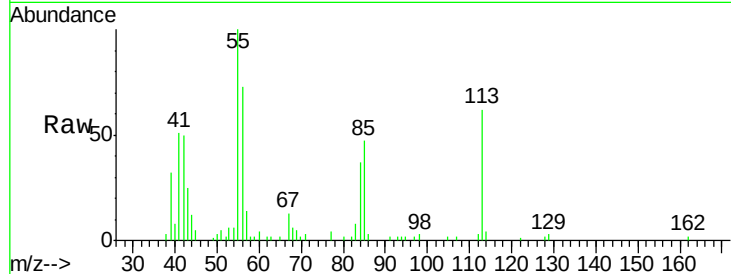
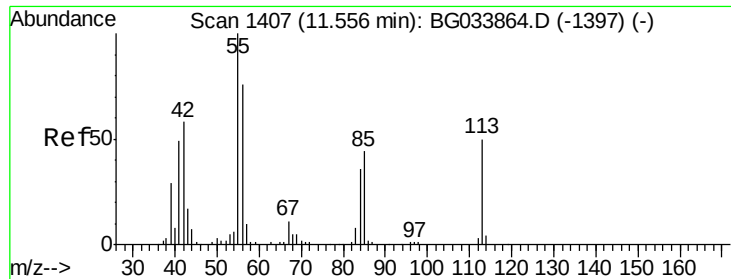
Sohil
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#34
Hexachlorobutadiene
Concen: 45.289 ng
RT: 10.87 min Scan# 1290
Delta R.T. -0.10 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		116715		
223	63.6	49.7	74.5		
227	60.2	48.1	72.1		





#35

Caprolactam

Concen: 27.805 ng

RT: 11.53 min Scan# 1403

Delta R.T. -0.02 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

ClientSampleId :

JC-01-042518MSD

Tot Ion:113 Resp: 45469

Ion Ratio Lower Upper

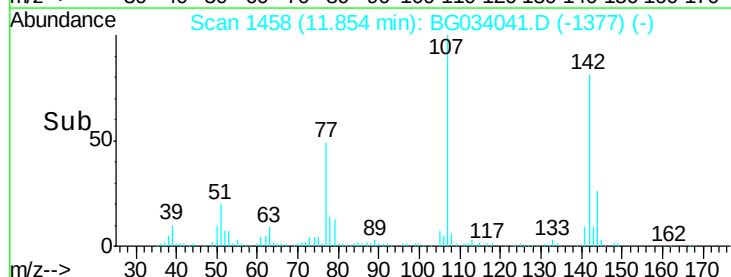
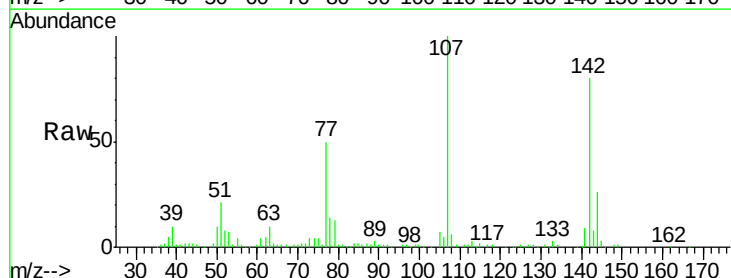
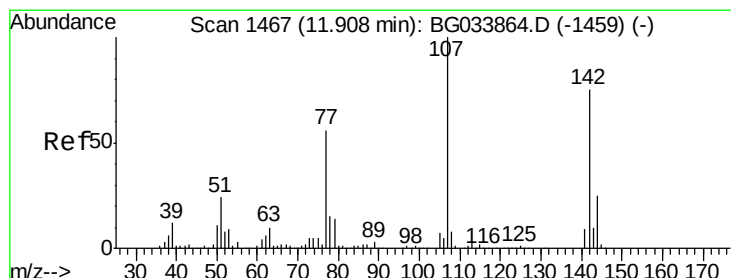
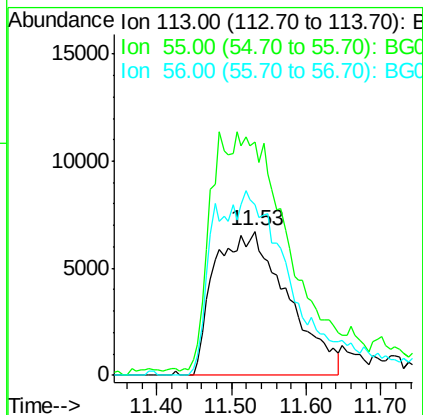
113 100

55 161.9 186.9 226.9#

56 118.4 130.9 170.9#

Manual Integrations
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4/30/2018 7:02:30 PM



#36

4-Chloro-3-methylphenol

Concen: 37.169 ng

RT: 11.85 min Scan# 1458

Delta R.T. -0.05 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

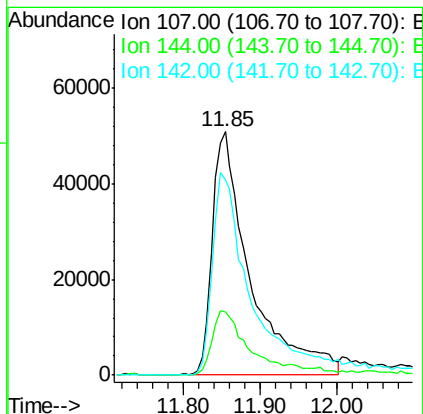
Tgt Ion:107 Resp: 174490

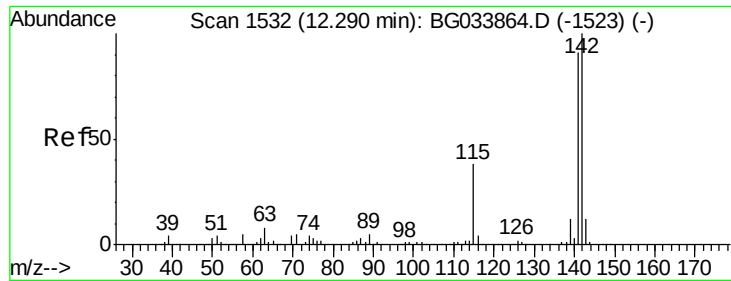
Ion Ratio Lower Upper

107 100

144 26.2 18.2 27.4

142 80.3 59.0 88.4





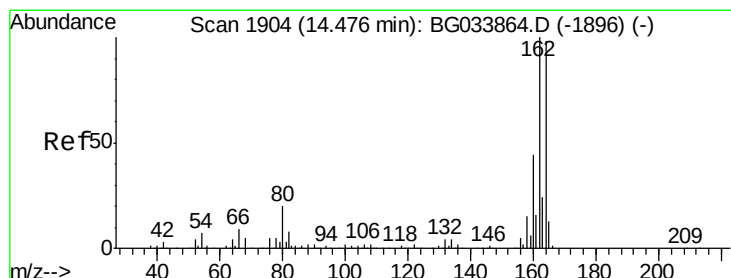
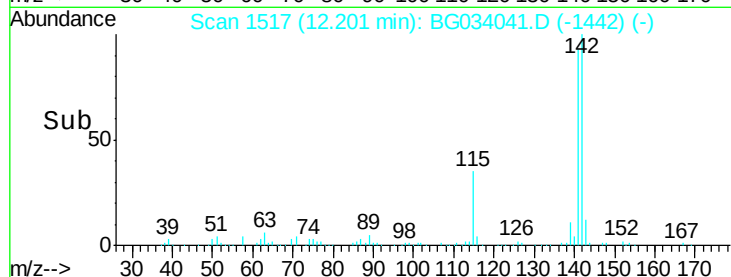
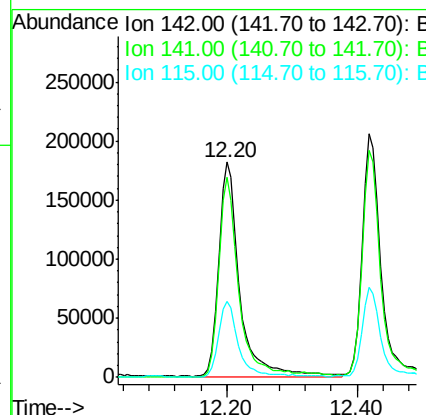
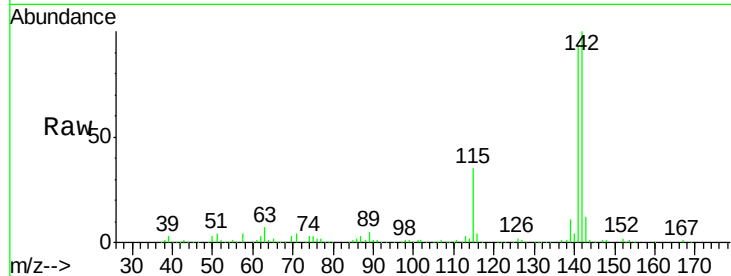
#37
2-Methylnaphthalene
Concen: 41.798 ng
RT: 12.20 min Scan# 1517
Delta R.T. -0.09 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	67.1	100.7
115	35.1	30.7	46.1

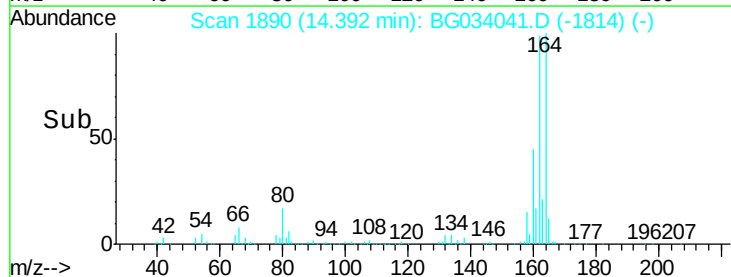
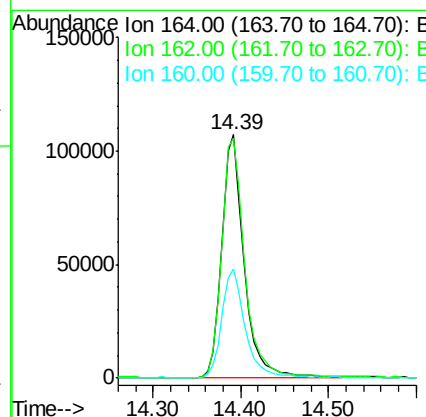
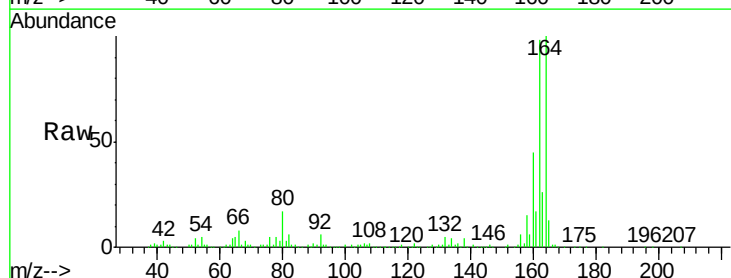
Manual Integrations
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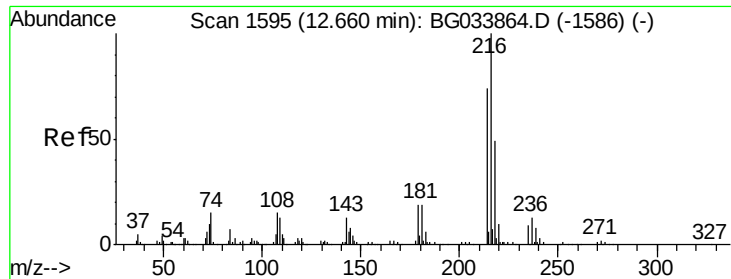
Sohil
4/30/2018 7:02:30 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.39 min Scan# 1890
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.8	118.2
160	44.6	35.4	53.0





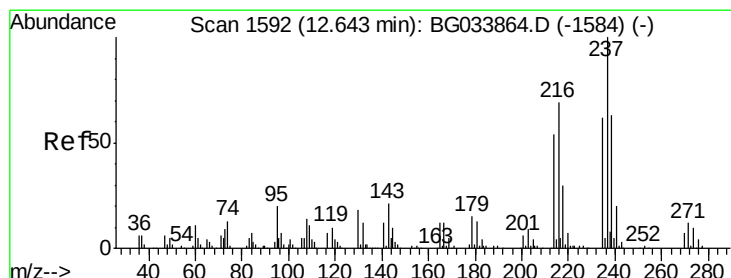
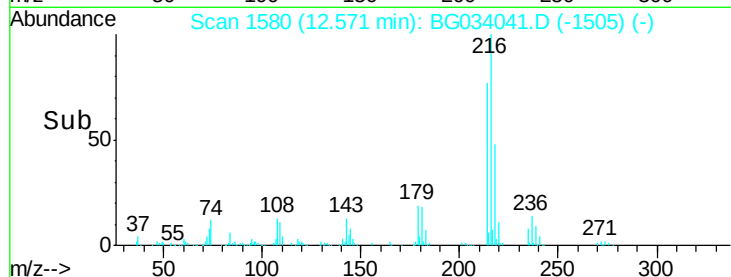
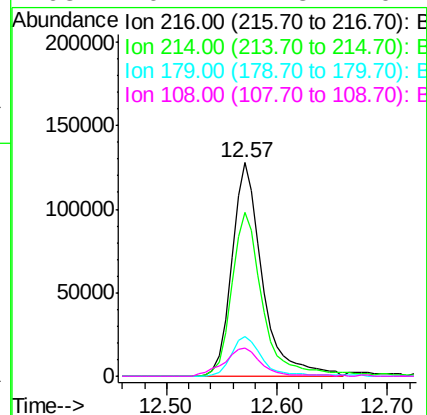
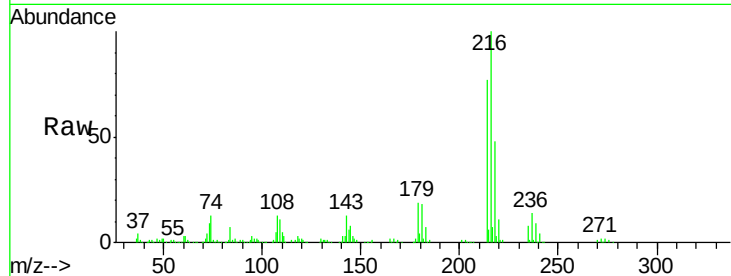
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 38.973 ng
 RT: 12.57 min Scan# 1580
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		246795		
214	78.5		63.0	94.4	
179	18.7		17.0	25.6	
108	16.1		12.8	19.2	

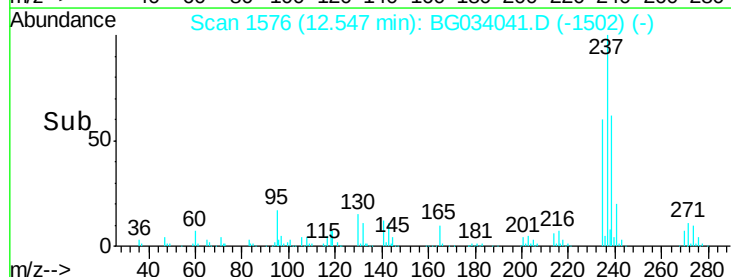
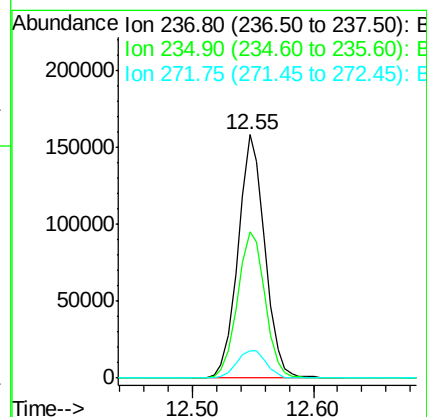
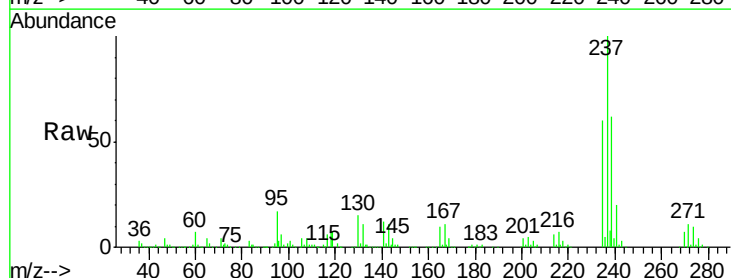
Manual Integrations
 APPROVED

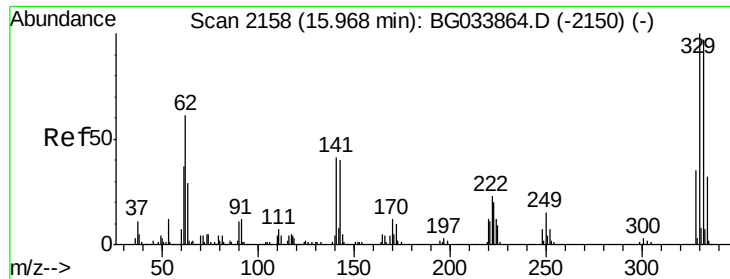
Sohil
 4/30/2018 7:02:30 PM



#40
 Hexachlorocyclopentadiene
 Concen: 70.319 ng
 RT: 12.55 min Scan# 1576
 Delta R.T. -0.10 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		244845		
235	60.0		50.4	90.4	
272	11.4		0.0	31.8	





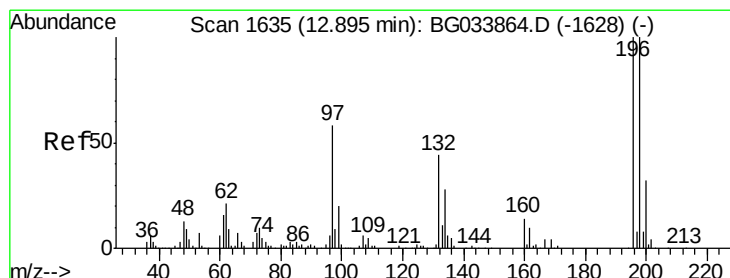
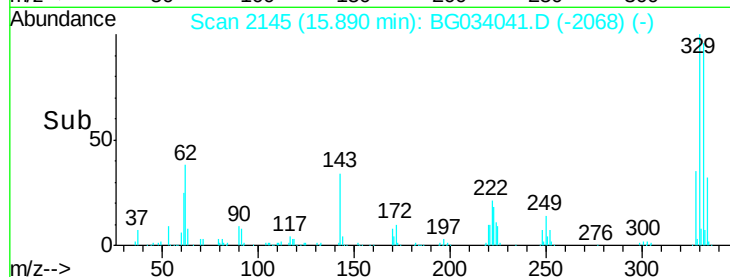
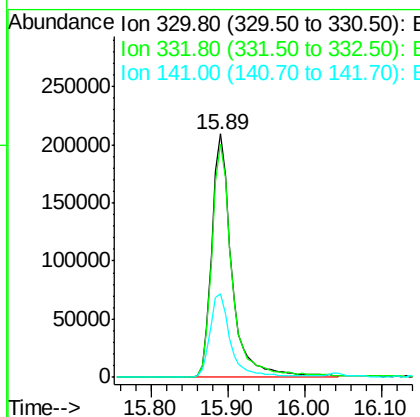
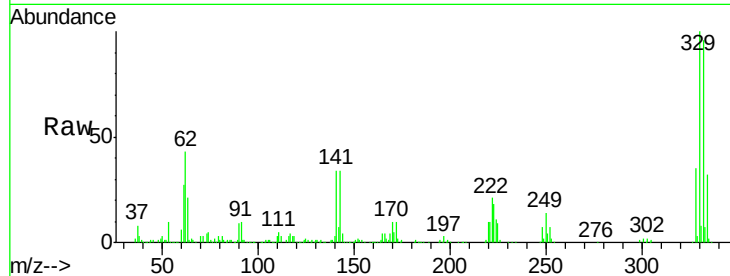
#41
 2,4,6-Tribromophenol
 Concen: 169.203 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	35.1	25.2	37.8

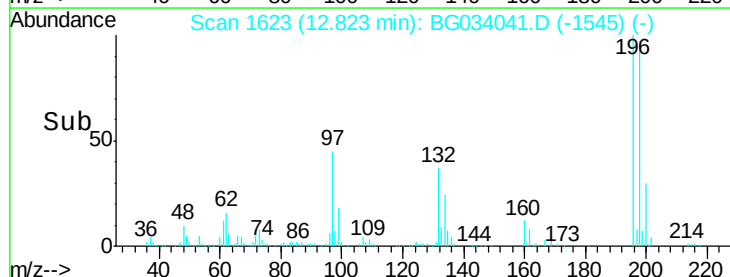
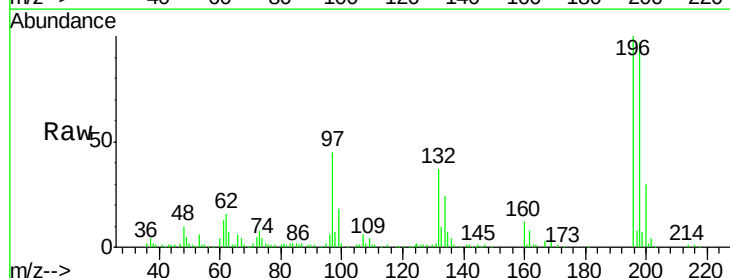
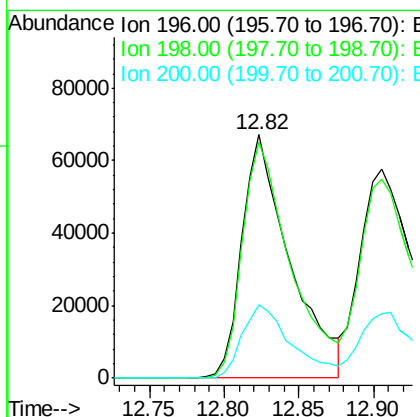
Manual Integrations
 APPROVED

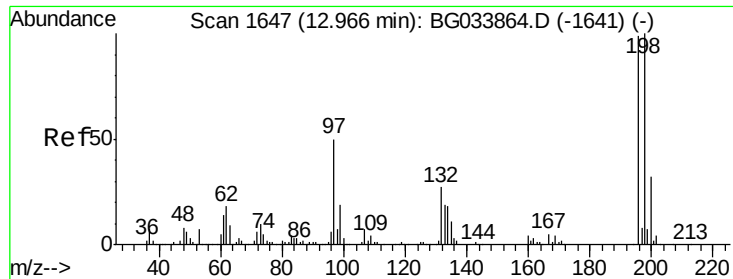
Sohil
 4/30/2018 7:02:30 PM



#42
 2,4,6-Trichlorophenol
 Concen: 38.655 ng
 RT: 12.82 min Scan# 1623
 Delta R.T. -0.07 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
196	100		
198	104.3	78.2	117.2
200	32.1	24.6	36.8





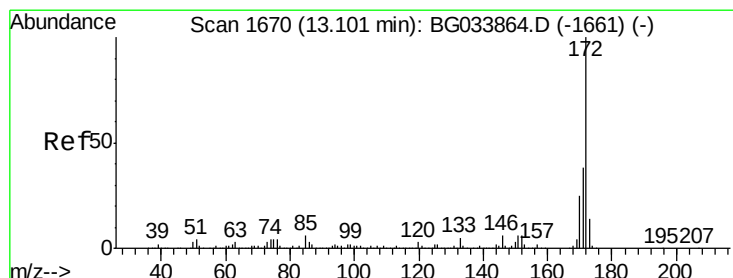
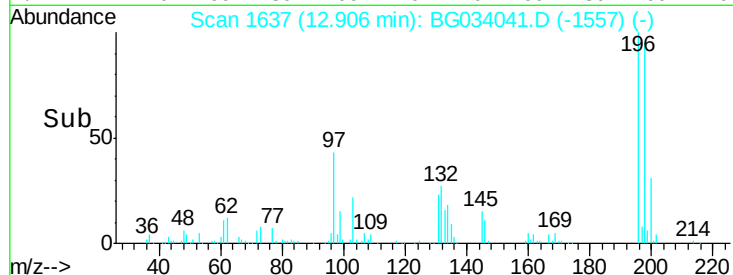
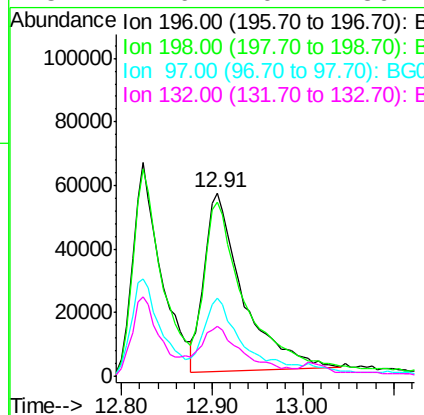
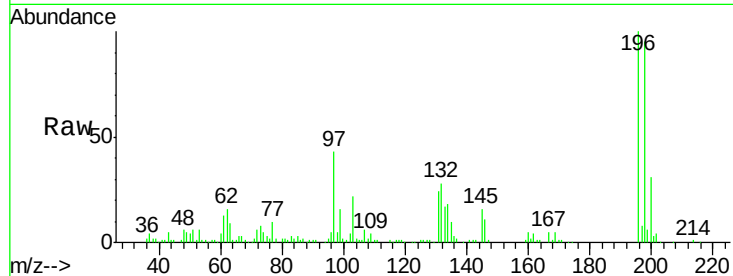
#43
 2,4,5-Trichlorophenol
 Concen: 37.540 ng
 RT: 12.91 min Scan# 1637
 Delta R.T. -0.06 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	196	Resp	166628
Ion Ratio	Lower	Upper	
196	100		
198	94.9	76.2	114.4
97	42.9	38.7	58.1
132	27.6	20.2	30.2

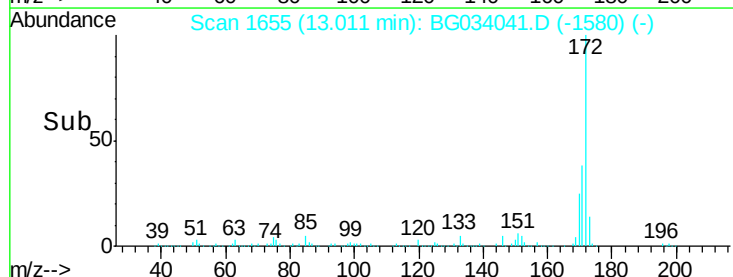
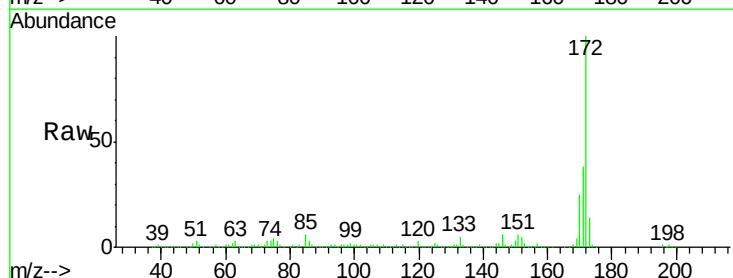
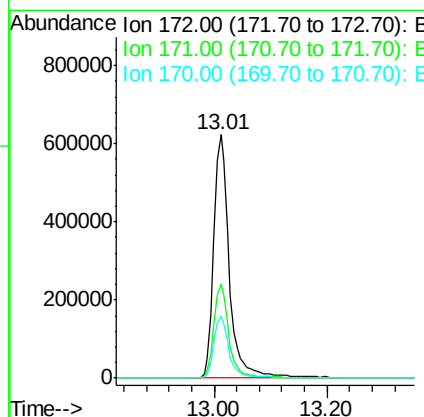
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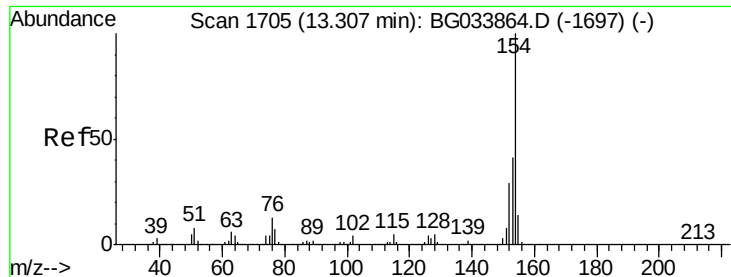
Sohil
 4/30/2018 7:02:30 PM



#44
 2-Fluorobiphenyl
 Concen: 92.785 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	172	Resp	1204499
Ion Ratio	Lower	Upper	
172	100		
171	38.5	30.0	45.0
170	25.2	19.5	29.3





#45

1,1'-Biphenyl

Concen: 38.744 ng

RT: 13.22 min Scan# 1691

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

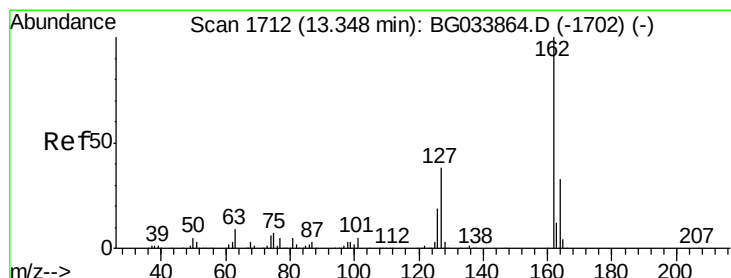
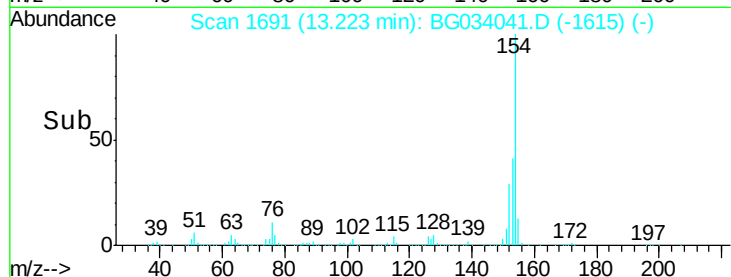
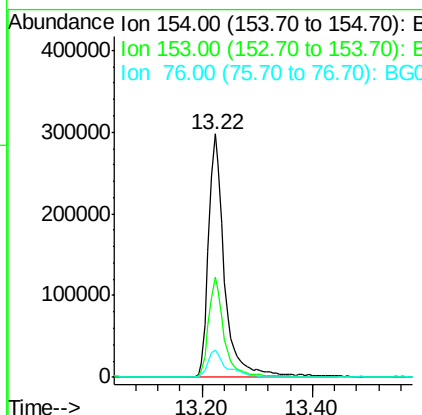
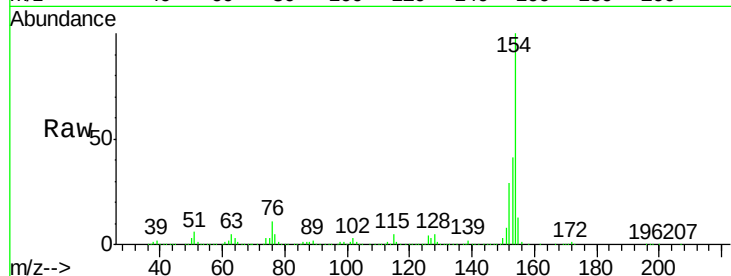
ClientSampleId :

JC-01-042518MSD

Tot Ion:	154	Resp:	598104
Ion Ratio		Lower	Upper
154	100		
153	41.4	19.8	59.8
76	11.2	0.0	31.9

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#46

2-Chloronaphthalene

Concen: 38.456 ng

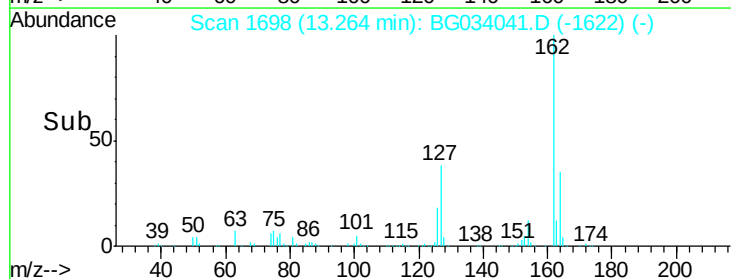
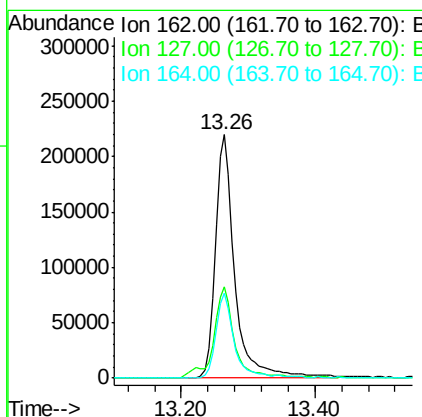
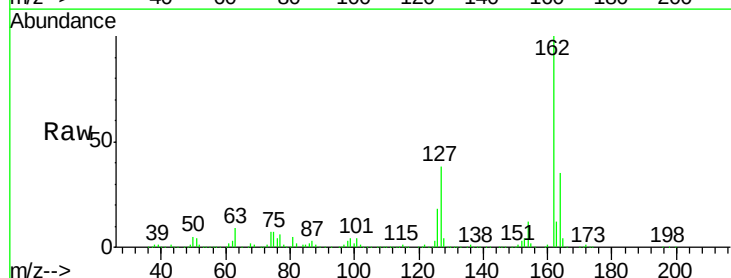
RT: 13.26 min Scan# 1698

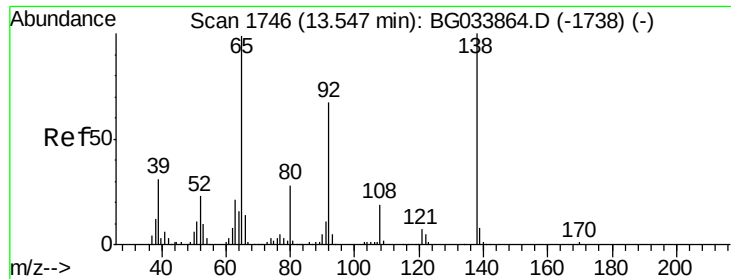
Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	162	Resp:	450141
Ion Ratio		Lower	Upper
162	100		
127	37.7	30.7	46.1
164	34.8	26.0	39.0





#47

2-Nitroaniline

Concen: 33.467 ng

RT: 13.49 min Scan# 1736

Delta R.T. -0.06 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

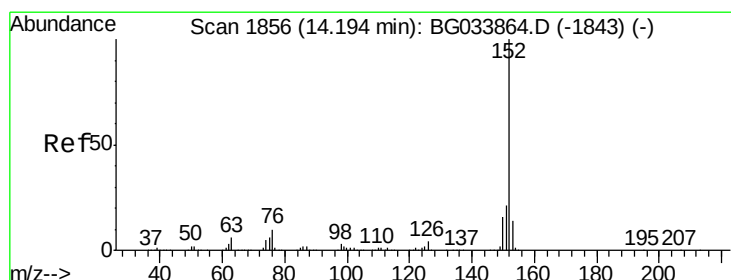
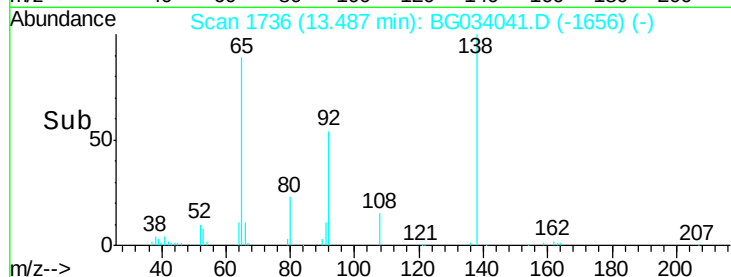
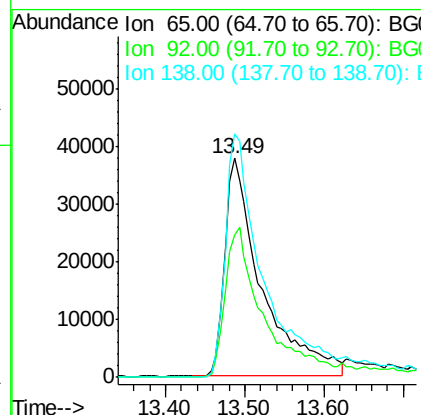
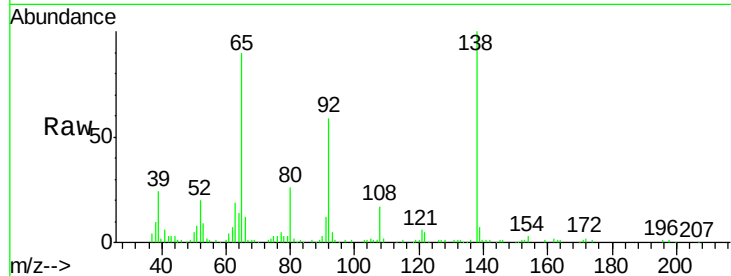
ClientSampleId :

JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.1	54.6	82.0
138	111.3	72.9	109.3

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#48

Acenaphthylene

Concen: 38.496 ng

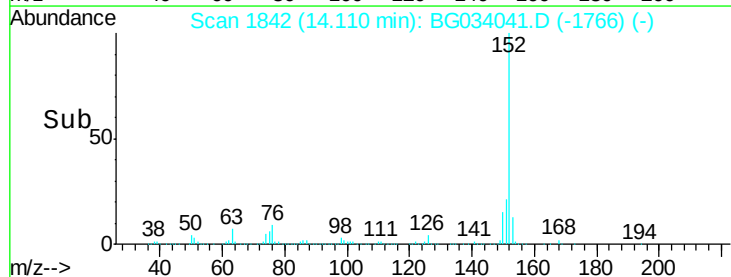
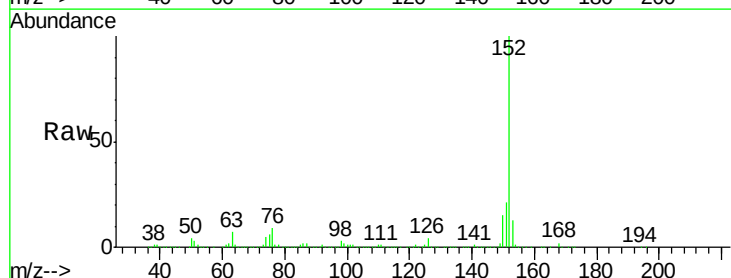
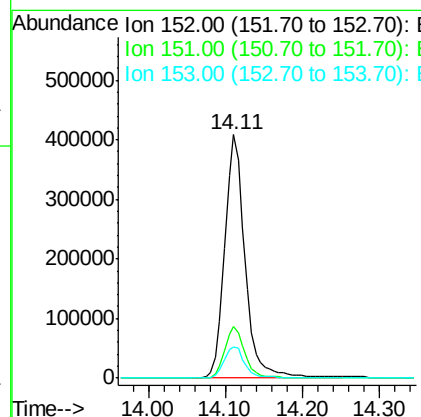
RT: 14.11 min Scan# 1842

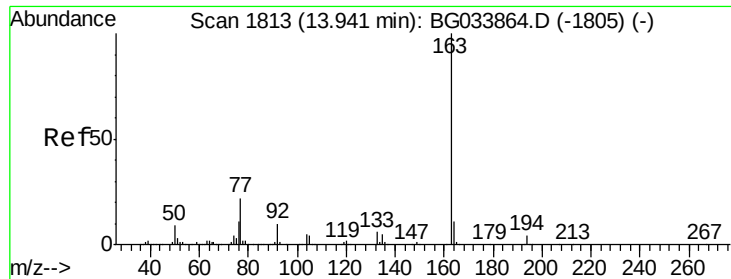
Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.2	25.8
153	12.8	10.2	15.4





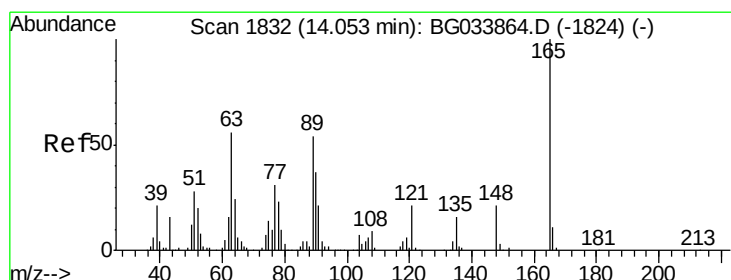
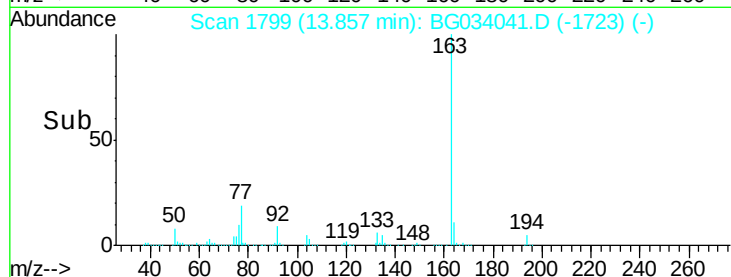
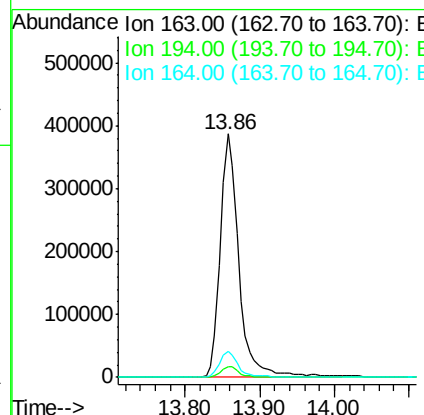
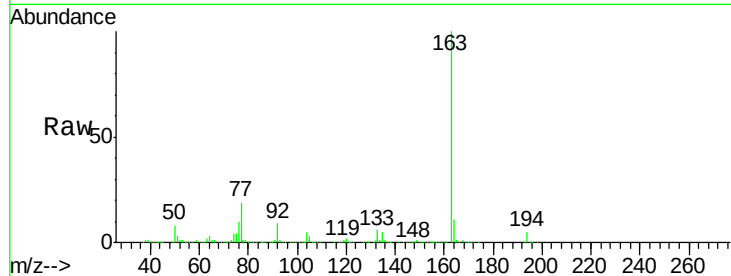
#49
Dimethylphthalate
Concen: 40.040 ng
RT: 13.86 min Scan# 1799
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		671685		
194	4.6		3.4	5.2	
164	10.8		8.2	12.4	

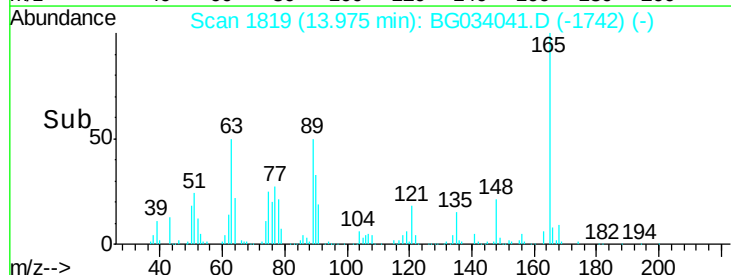
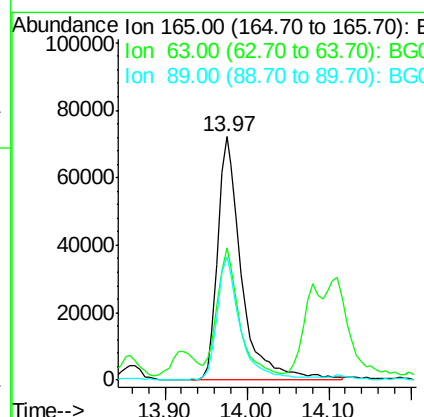
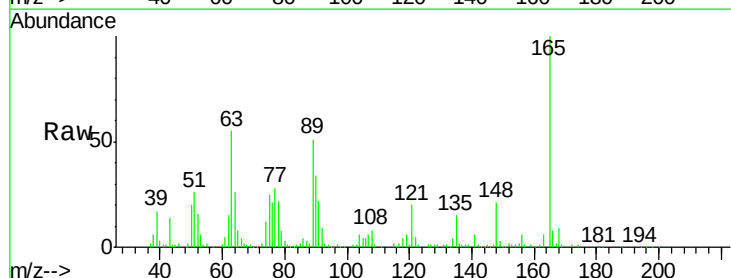
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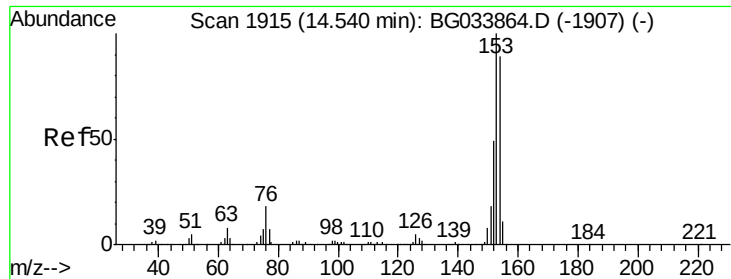
Sohil
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#50
2,6-Dinitrotoluene
Concen: 46.222 ng
RT: 13.97 min Scan# 1819
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
165	100		146943		
63	54.5		52.7	79.1	
89	50.7		49.2	73.8	





#51

Acenaphthene

Concen: 37.707 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

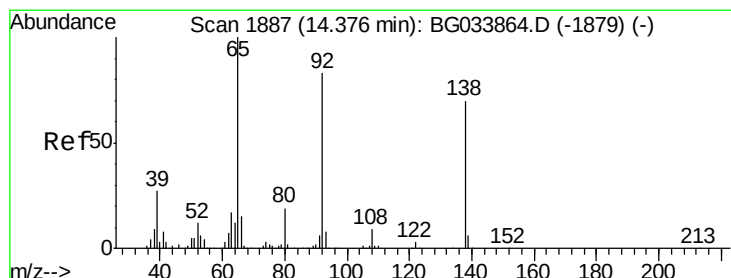
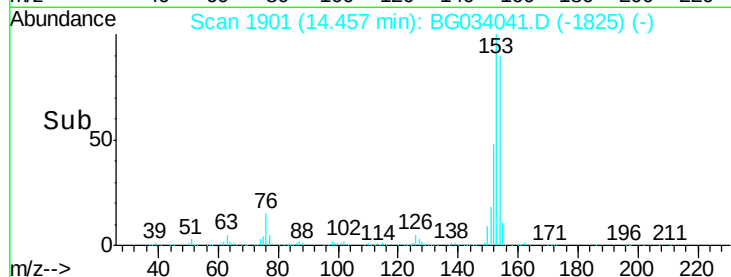
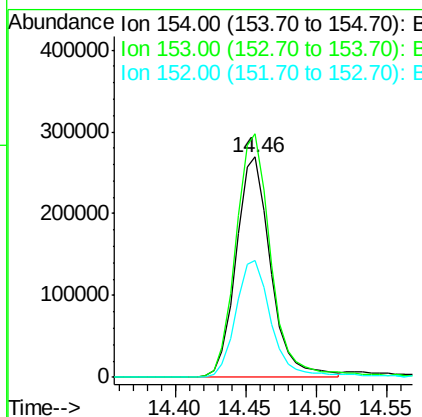
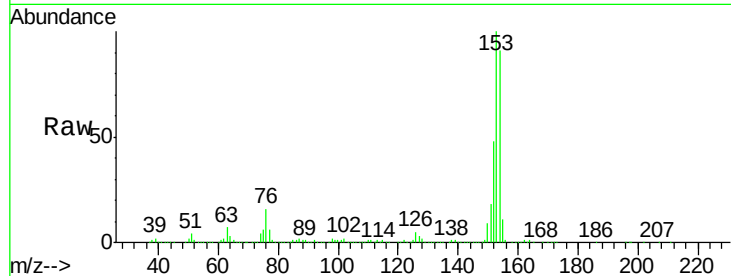
ClientSampleId :

JC-01-042518MSD

Tot Ion:	154	Resp:	460885
Ion Ratio	Lower	Upper	
154	100		
153	110.5	90.4	135.6
152	53.0	41.6	62.4

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#52

3-Nitroaniline

Concen: 10.365 ng

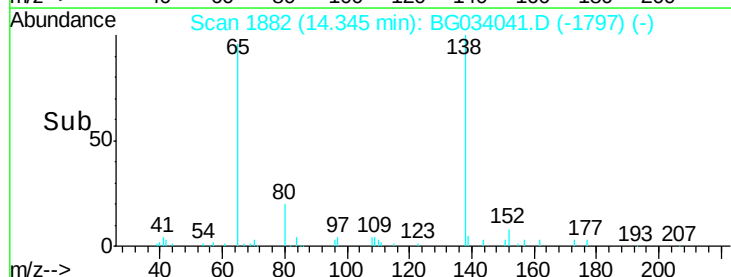
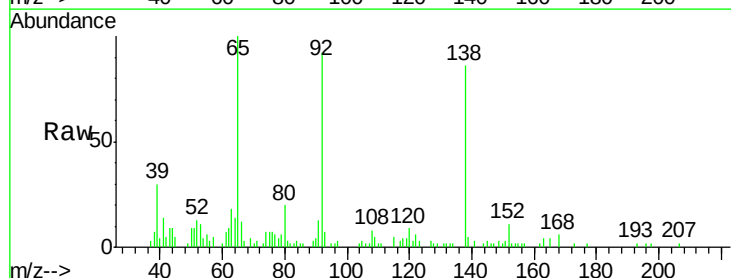
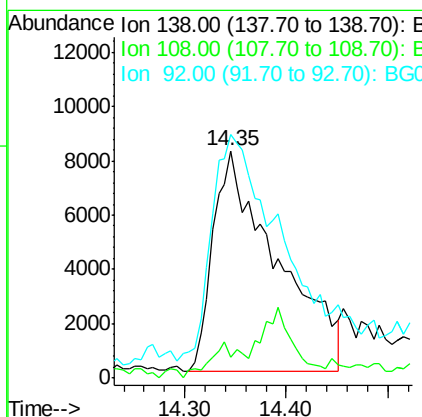
RT: 14.35 min Scan# 1882

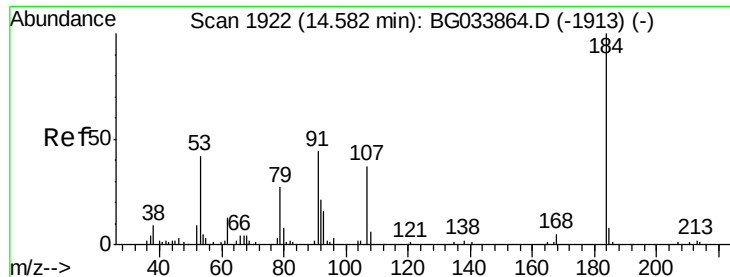
Delta R.T. -0.03 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	138	Resp:	35780
Ion Ratio	Lower	Upper	
138	100		
108	9.1	17.5	26.3#
92	107.2	105.8	158.8





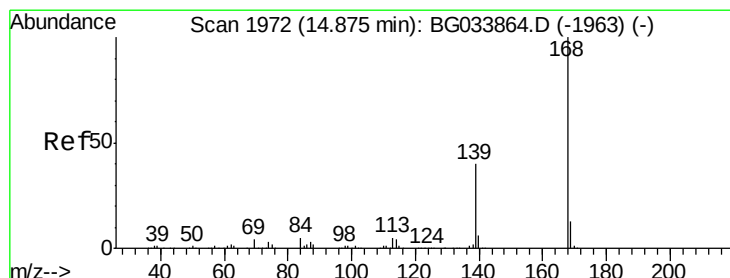
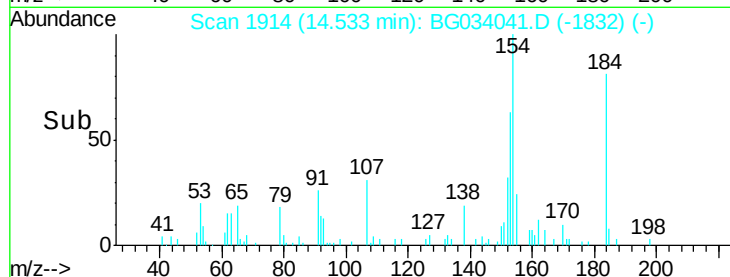
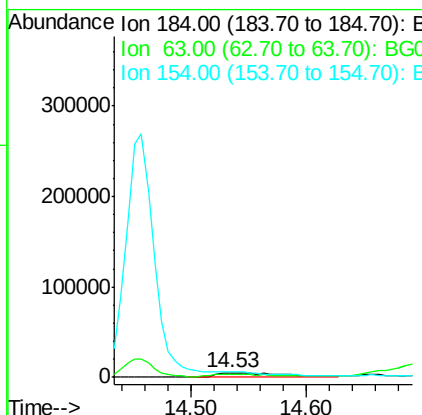
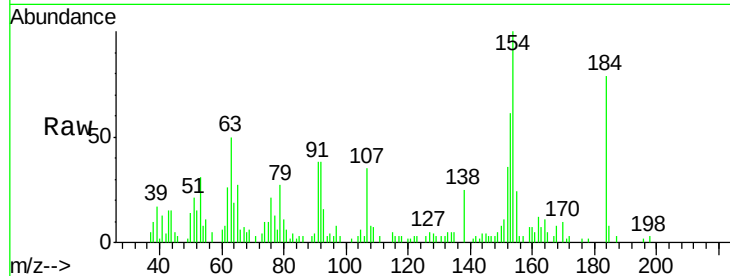
#53
 2,4-Dinitrophenol
 Concen: 18.949 ng
 RT: 14.53 min Scan# 1914
 Delta R.T. -0.05 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	63.2	59.8	89.8
154	126.9	101.8	152.8

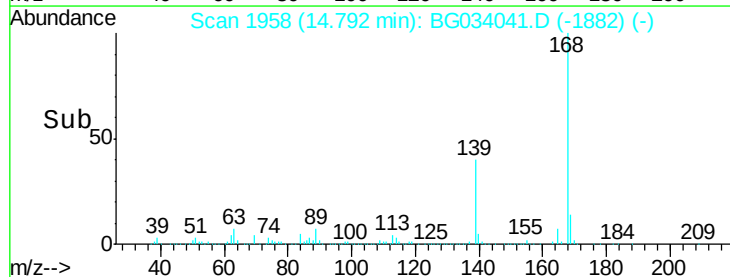
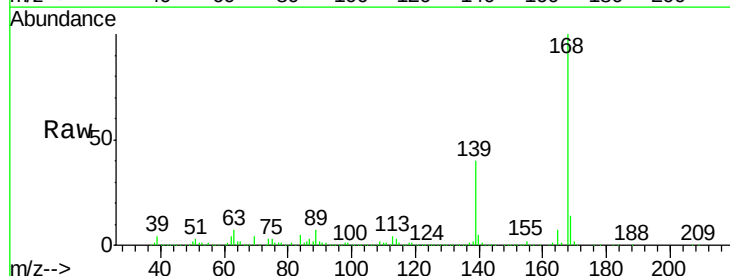
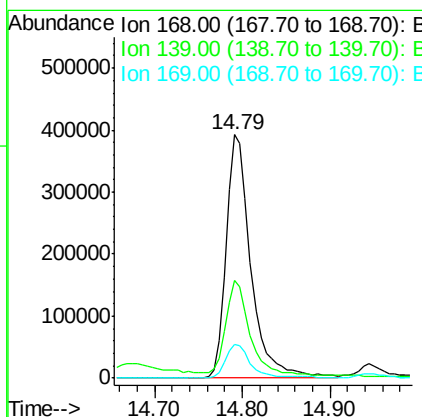
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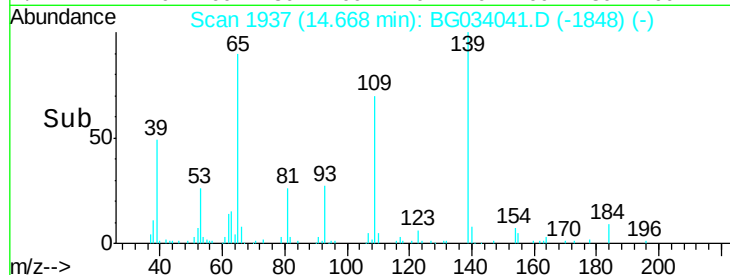
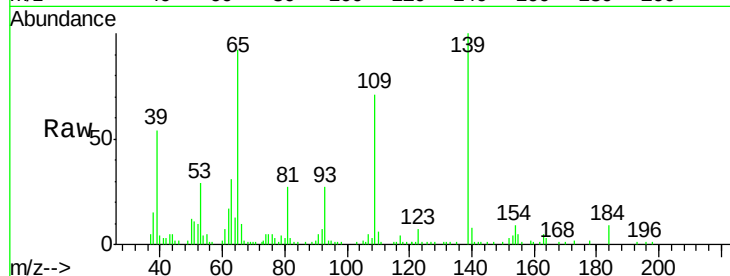
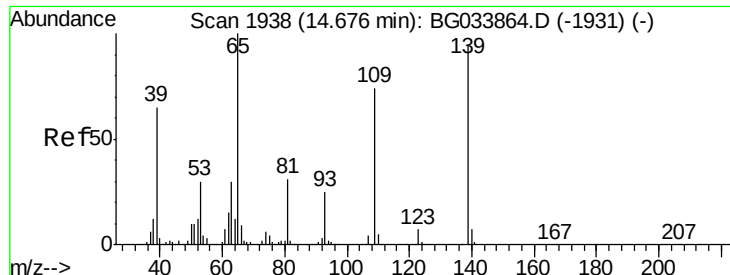
Sohil
 4/30/2018 7:02:30 PM



#54
 Dibenzofuran
 Concen: 41.906 ng
 RT: 14.79 min Scan# 1958
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.2	28.6	43.0
169	14.1	11.2	16.8





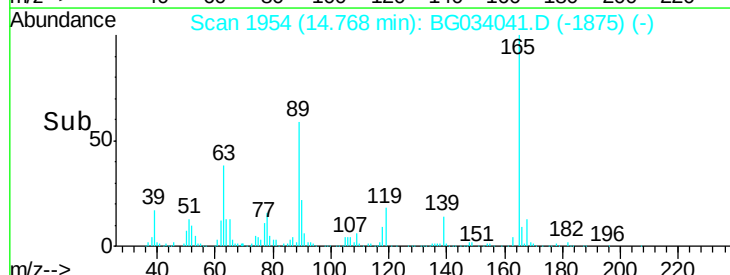
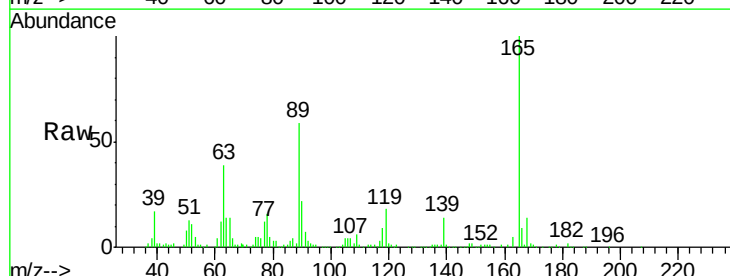
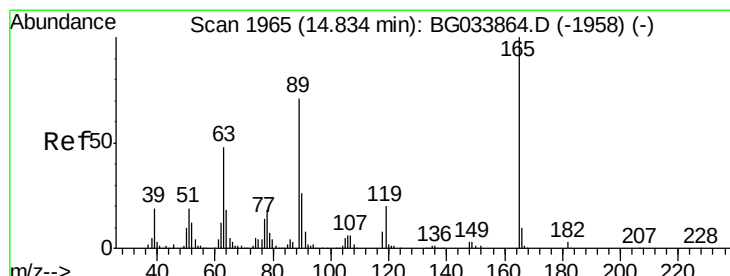
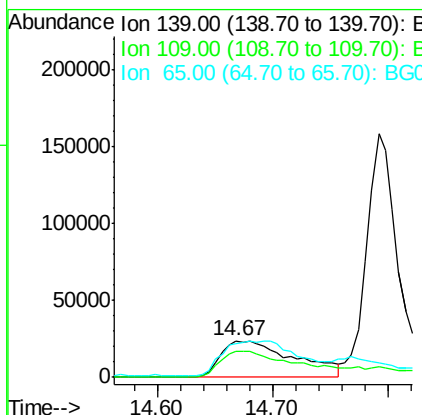
#55
4-Nitrophenol
Concen: 37.681 ng
RT: 14.67 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	70.8	62.2	102.2
65	91.6	97.2	137.2#

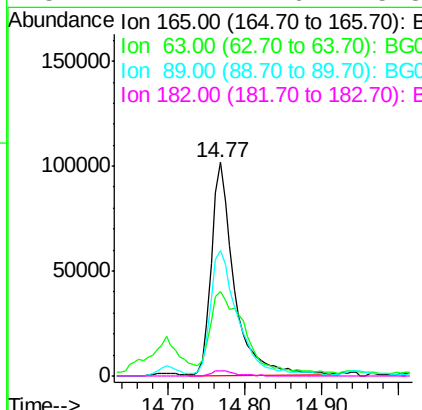
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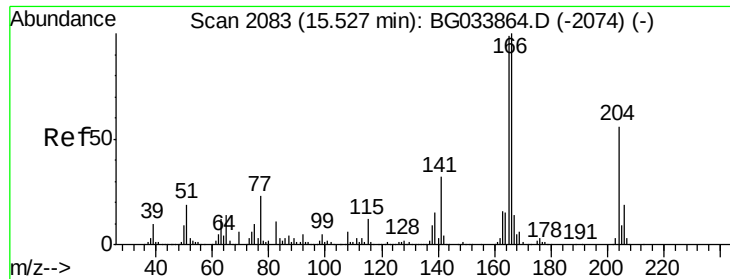
Sohil
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#56
2,4-Dinitrotoluene
Concen: 48.935 ng
RT: 14.77 min Scan# 1954
Delta R.T. -0.07 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	39.3	42.0	63.0#
89	58.9	66.9	100.3#
182	2.4	2.6	3.8#





#57

Fluorene

Concen: 41.964 ng

RT: 15.44 min Scan# 2069

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

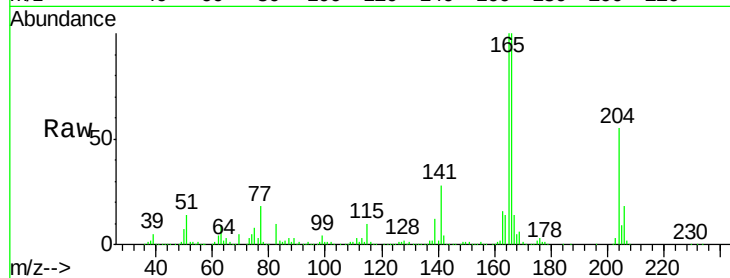
ClientSampleId :

JC-01-042518MSD

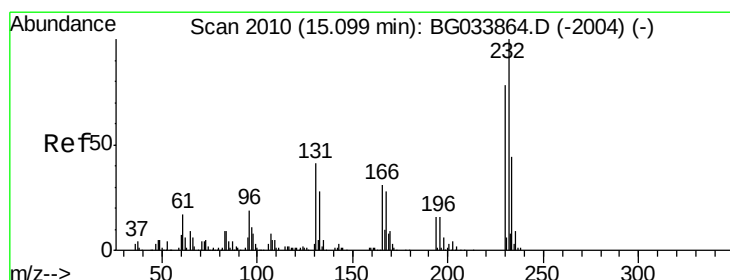
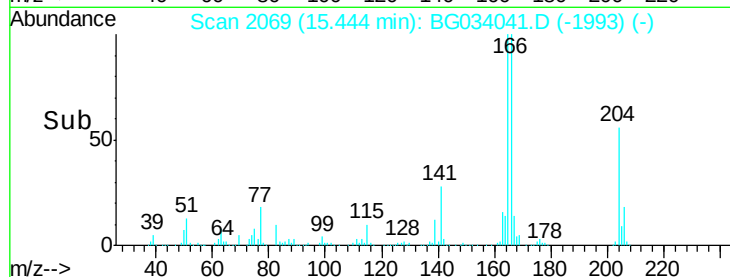
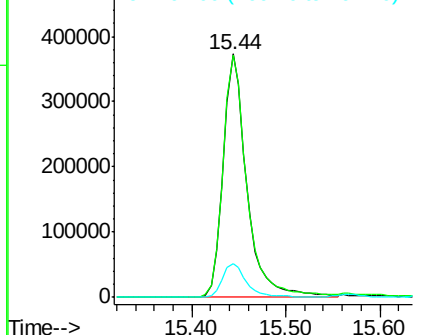
Tot Ion:	166	Resp:	658042
Ion Ratio	Lower	Upper	
166	100		
165	99.7	80.6	121.0
167	13.8	10.4	15.6

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



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.922 ng

RT: 15.03 min Scan# 1998

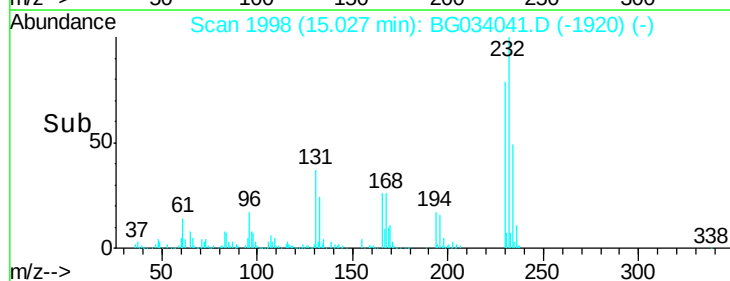
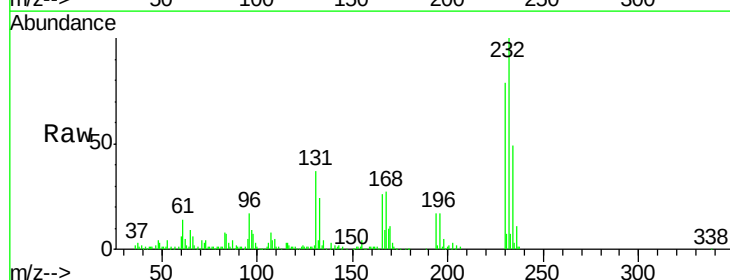
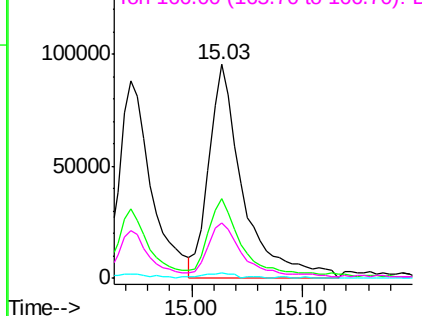
Delta R.T. -0.07 min

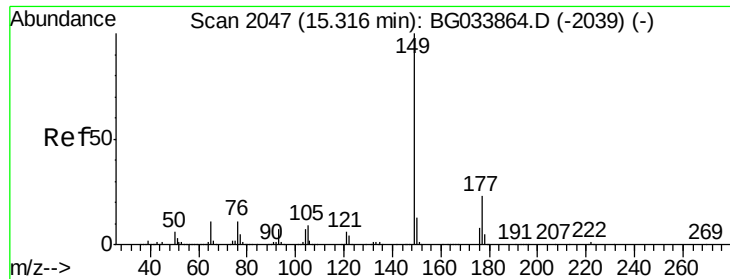
Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	232	Resp:	202891
Ion Ratio	Lower	Upper	
232	100		
131	33.5	33.5	50.3#
130	2.1	2.2	3.2#
166	25.5	24.8	37.2

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





#59

Diethylphthalate

Concen: 40.708 ng

RT: 15.23 min Scan# 2032

Delta R.T. -0.09 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

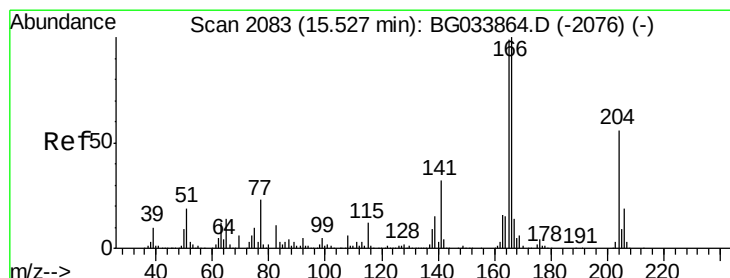
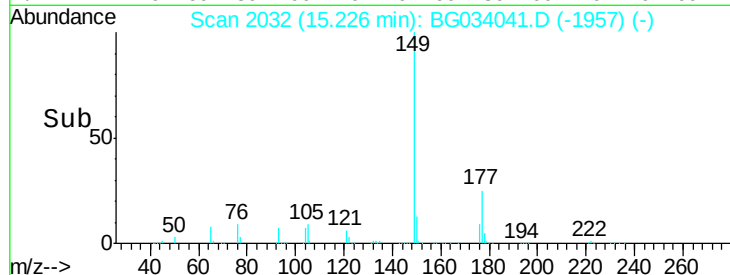
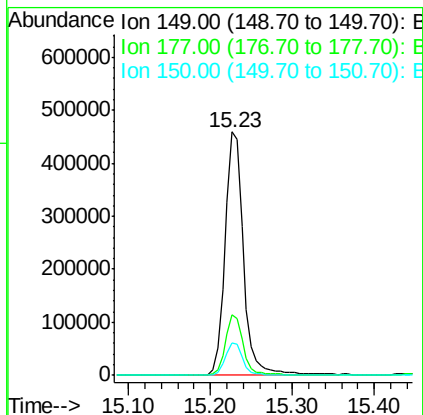
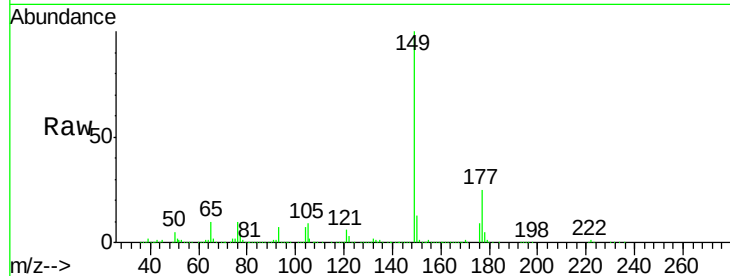
ClientSampleId :

JC-01-042518MSD

Tot Ion:	149	Resp:	721821
Ion Ratio	Lower	Upper	
149	100		
177	24.8	18.5	27.7
150	13.3	10.2	15.2

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#60

4-Chlorophenyl-phenylether

Concen: 44.262 ng

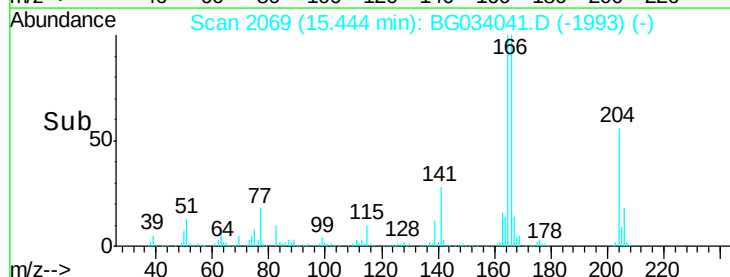
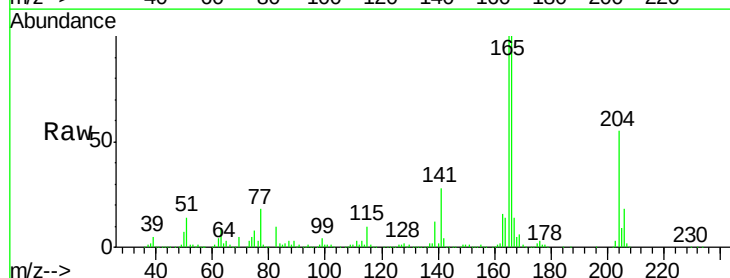
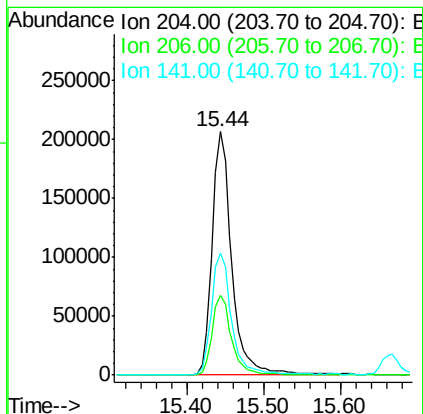
RT: 15.44 min Scan# 2069

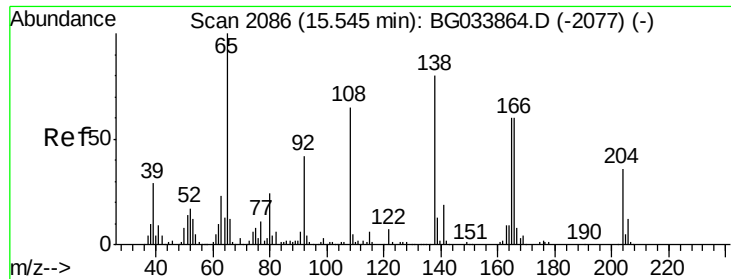
Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	204	Resp:	363030
Ion Ratio	Lower	Upper	
204	100		
206	32.9	26.2	39.2
141	50.1	45.8	68.6





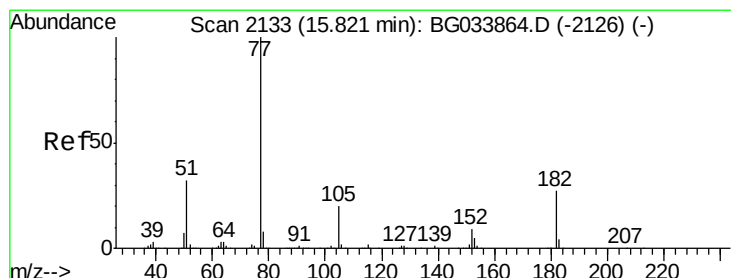
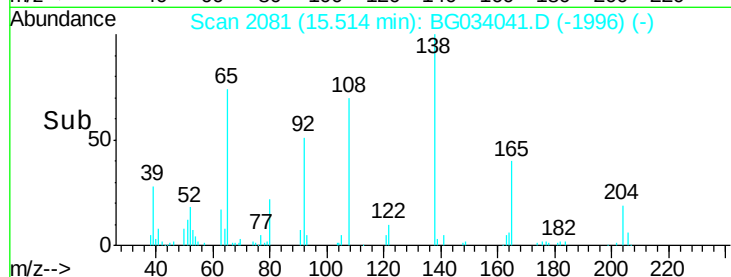
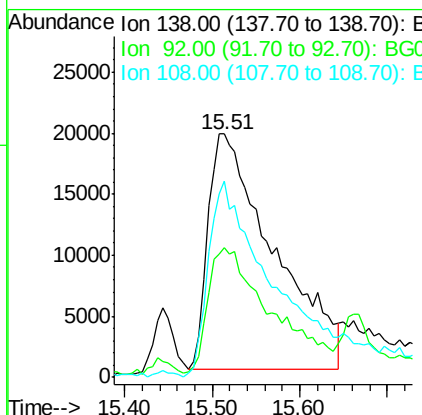
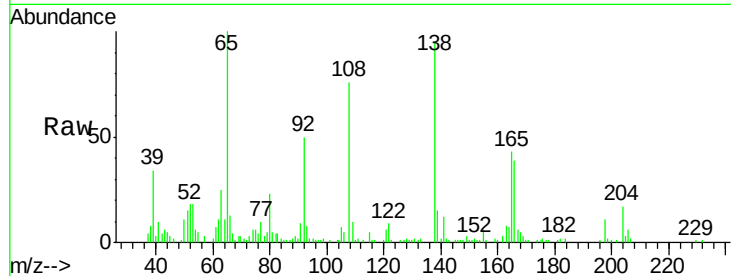
#61
4-Nitroaniline
Concen: 27.265 ng
RT: 15.51 min Scan# 2081
Delta R.T. -0.03 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	53.2	40.1	80.1
108	80.6	65.4	105.4

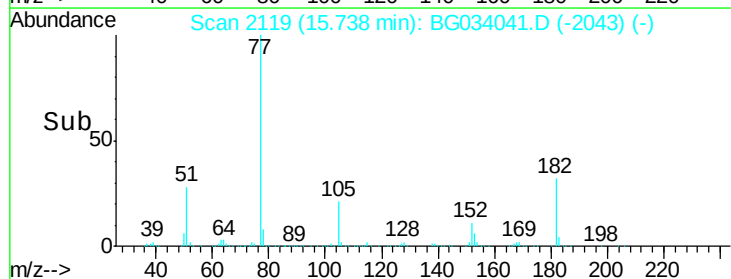
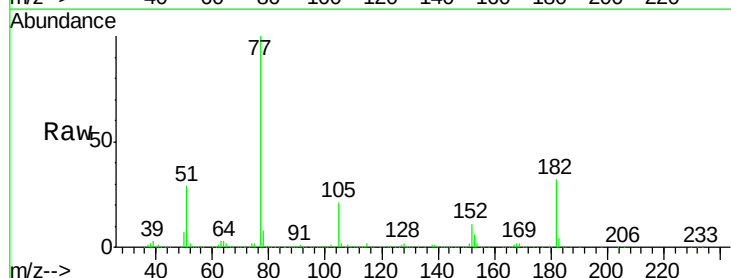
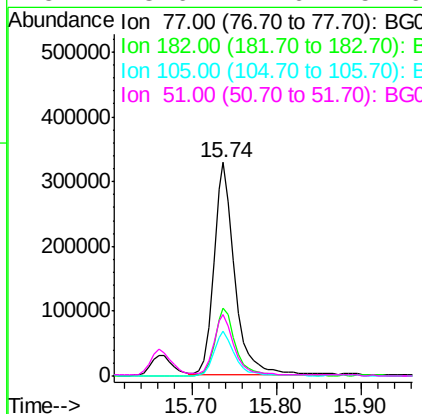
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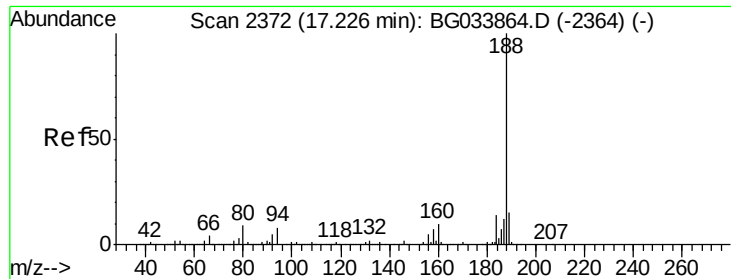
Sohil
4/30/2018 7:02:30 PM



#62
Azobenzene
Concen: 35.817 ng
RT: 15.74 min Scan# 2119
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
77	100		
182	31.7	7.4	47.4
105	20.9	0.3	40.3
51	28.6	11.6	51.6





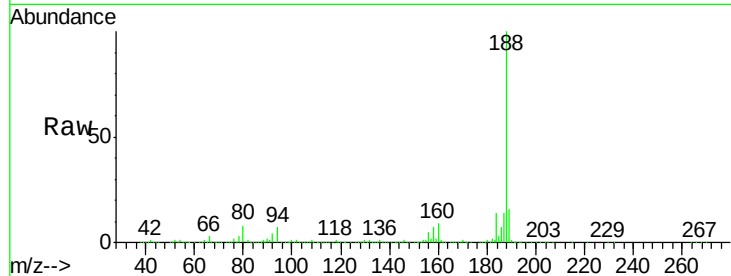
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.15 min Scan# 2359
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	521148		
94	6.7		6.9	10.3#
80	8.4		7.7	11.5

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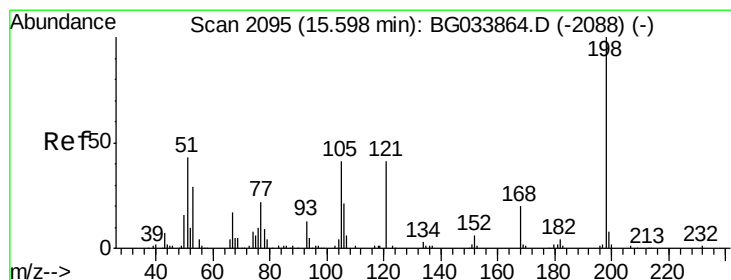
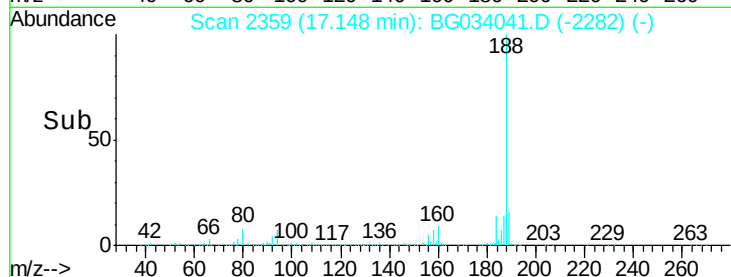
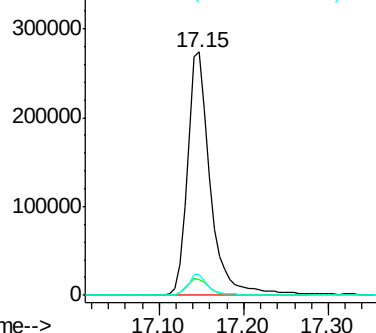
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

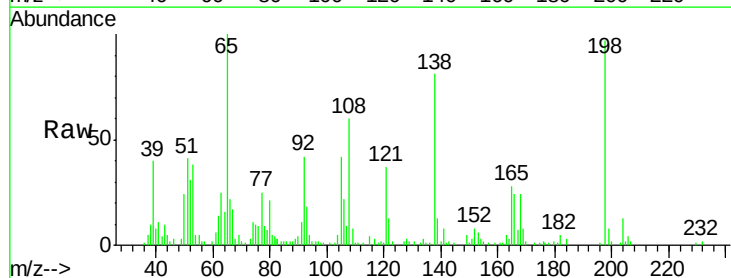
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64
4,6-Dinitro-2-methylphenol
Concen: 23.668 ng
RT: 15.53 min Scan# 2084
Delta R.T. -0.07 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

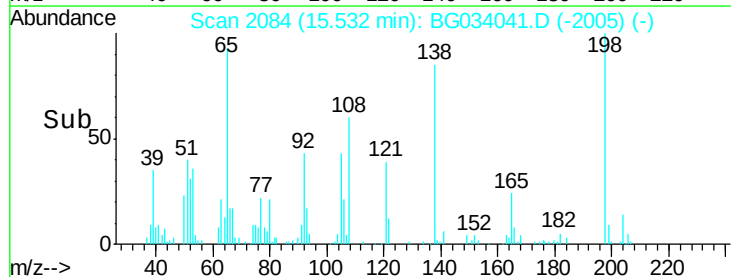
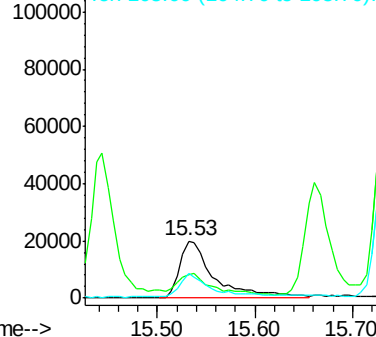
Tgt Ion	Ratio	Resp	Lower	Upper
198	100	49848		
51	41.9		30.6	70.6
105	43.3		23.8	63.8

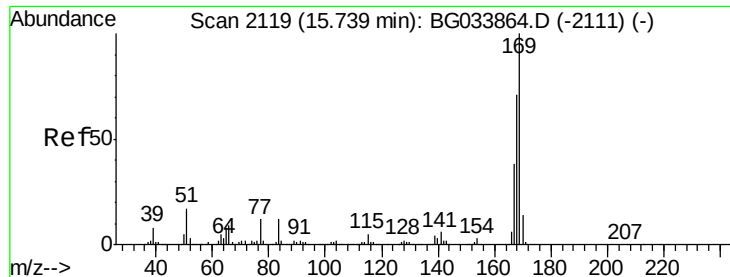


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





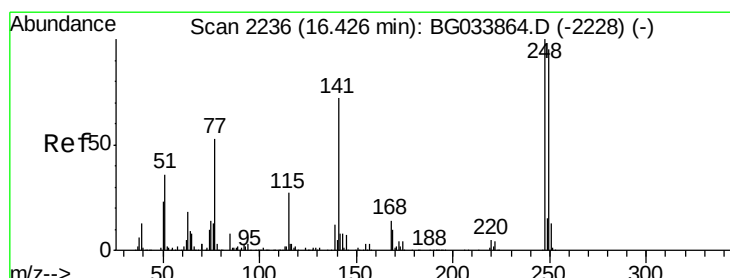
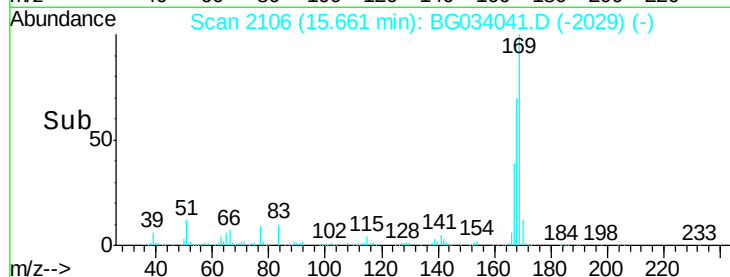
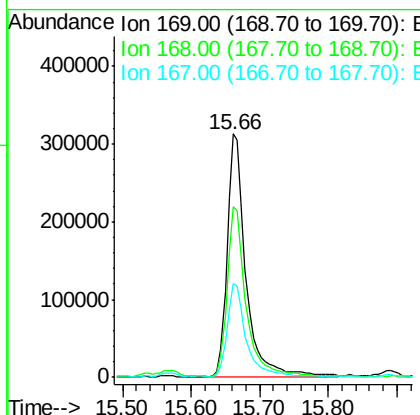
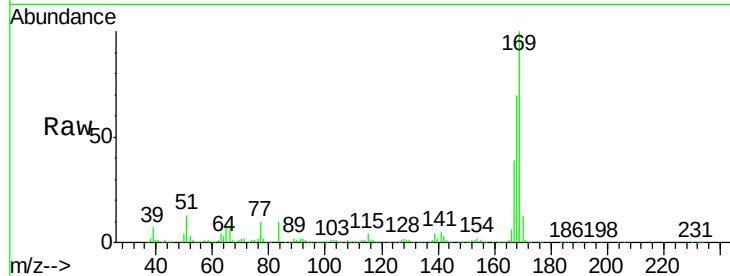
#65
 n-Nitrosodiphenylamine
 Concen: 39.407 ng
 RT: 15.66 min Scan# 2106
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	70.3	55.7	83.5
167	38.6	30.1	45.1

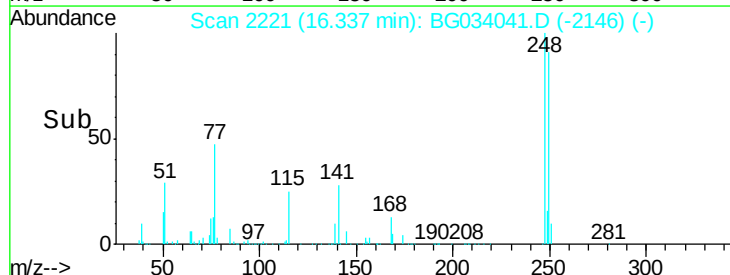
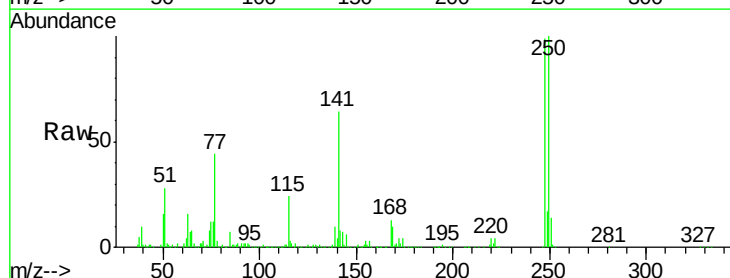
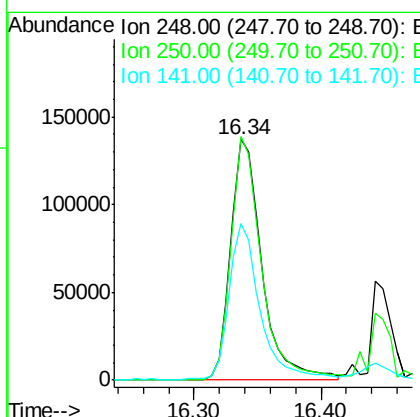
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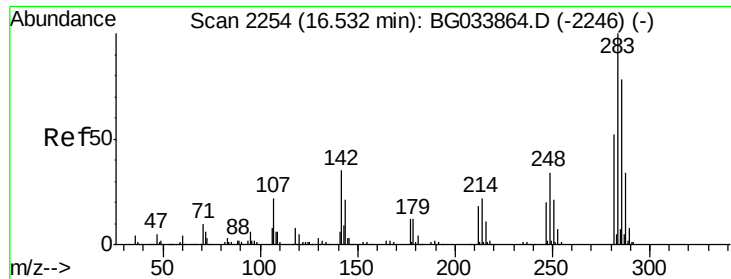
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#66
 4-Bromophenyl-phenylether
 Concen: 40.885 ng
 RT: 16.34 min Scan# 2221
 Delta R.T. -0.09 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
248	100		
250	101.1	77.1	115.7
141	64.9	50.8	76.2





#67

Hexachlorobenzene

Concen: 41.884 ng

RT: 16.44 min Scan# 2239

Delta R.T. -0.09 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

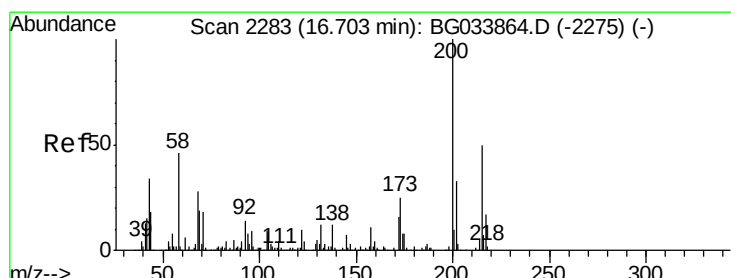
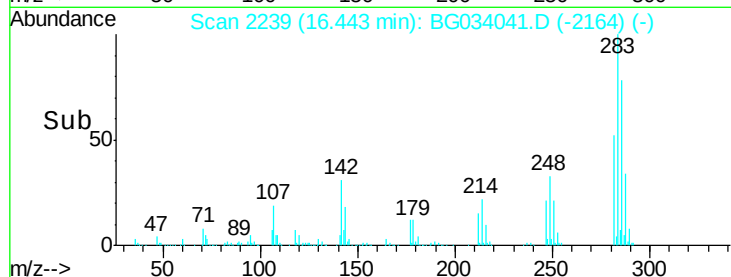
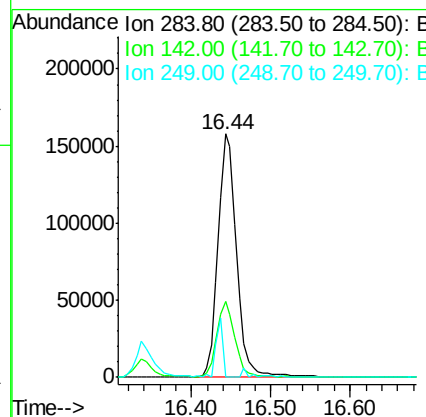
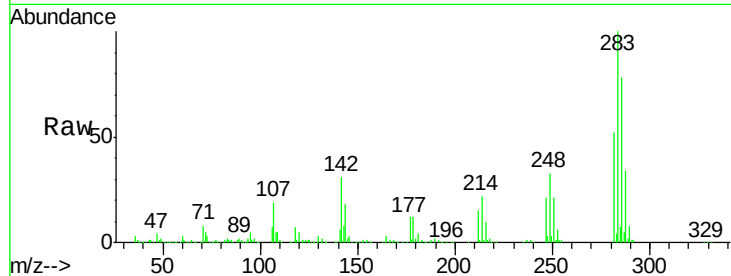
ClientSampleId :

JC-01-042518MSD

Tot Ion:	284	Resp:	255644
Ion Ratio	Lower	Upper	
284	100		
142	31.2	26.8	40.2
249	3.2	26.3	39.5#

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#68

Atrazine

Concen: 43.434 ng

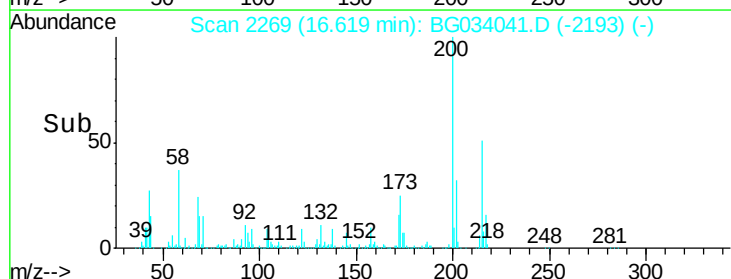
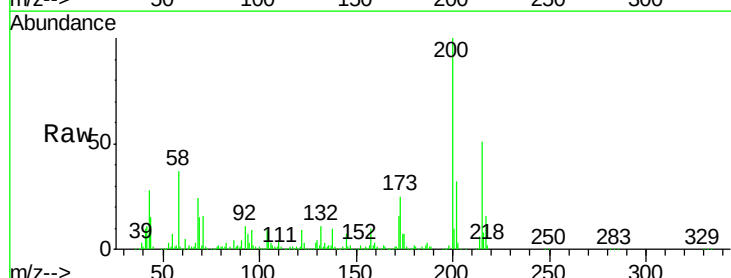
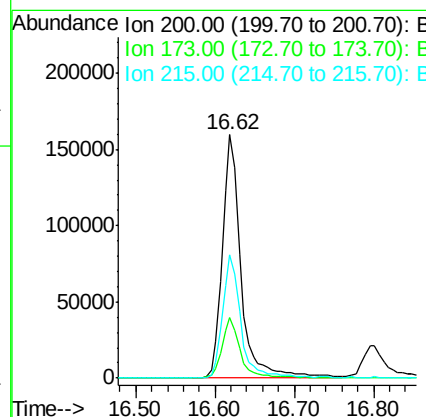
RT: 16.62 min Scan# 2269

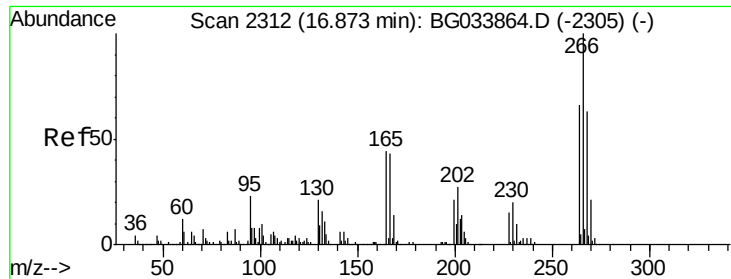
Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion:	200	Resp:	257812
Ion Ratio	Lower	Upper	
200	100		
173	25.0	5.2	45.2
215	50.6	30.4	70.4





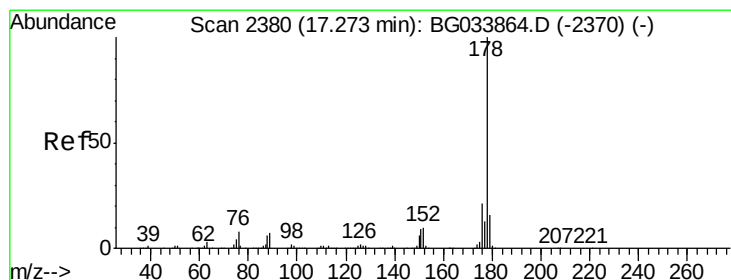
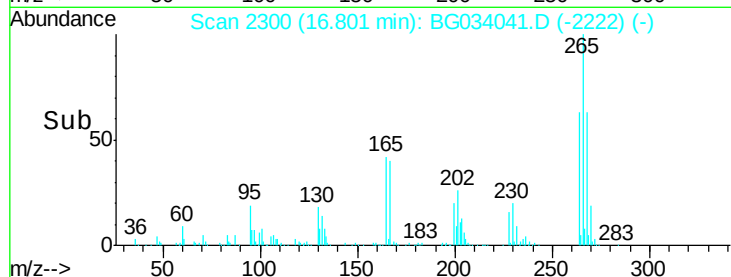
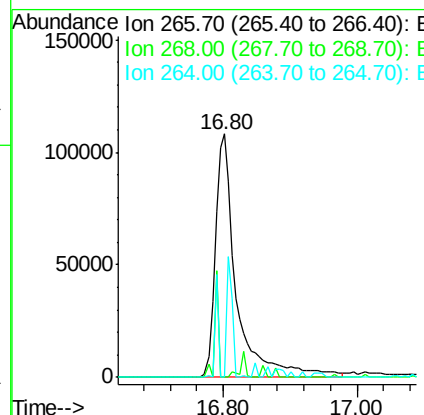
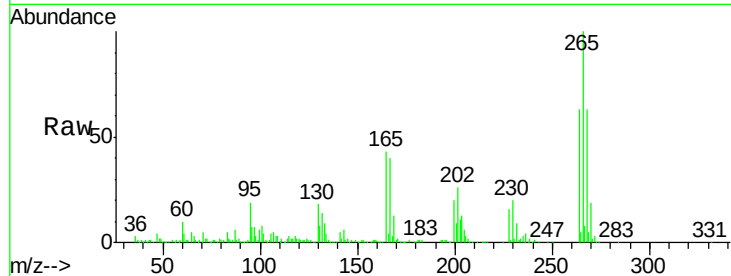
#69
 Pentachlorophenol
 Concen: 57.052 ng
 RT: 16.80 min Scan# 2300
 Delta R.T. -0.07 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	239191		
268	5.2	51.1	76.7#	
264	4.9	49.6	74.4#	

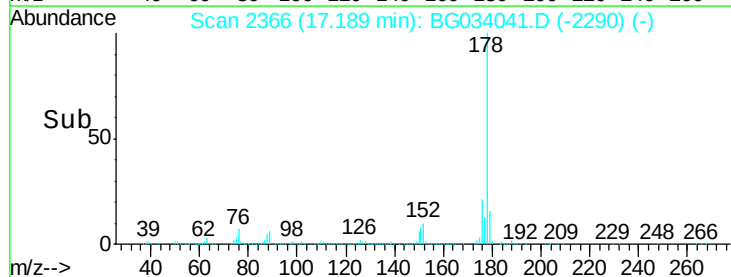
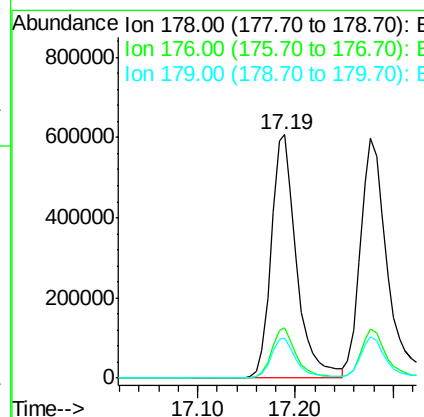
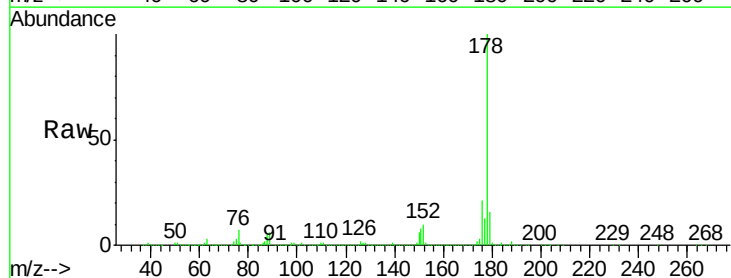
Manual Integrations
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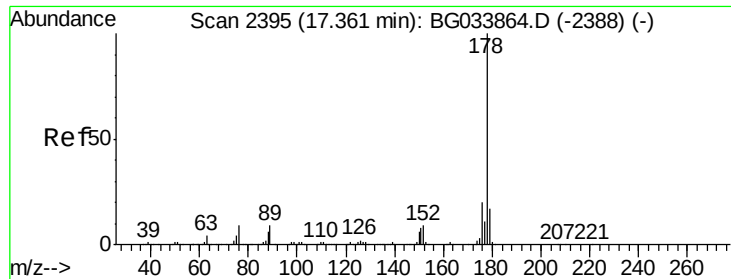
Sohil
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#70
 Phenanthrene
 Concen: 39.498 ng
 RT: 17.19 min Scan# 2366
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1104283		
176	20.6	15.7	23.5	
179	16.3	12.5	18.7	





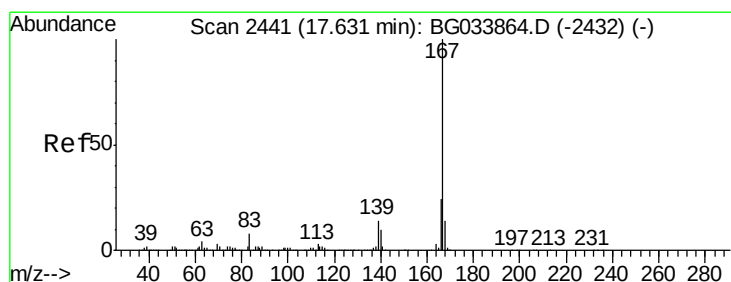
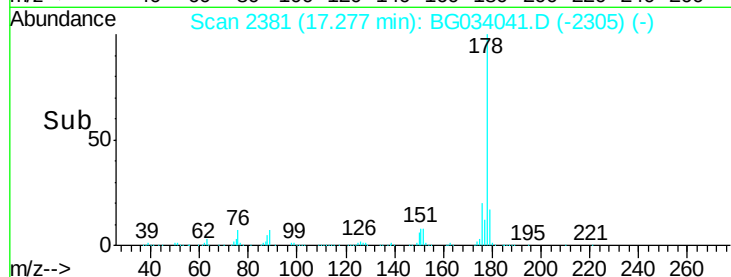
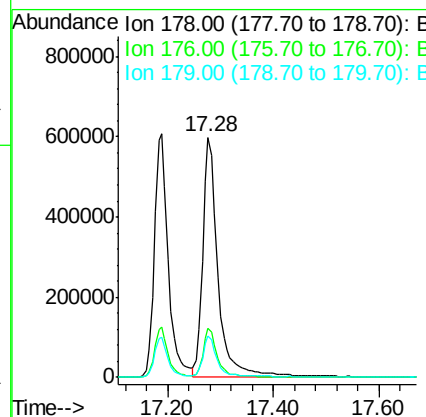
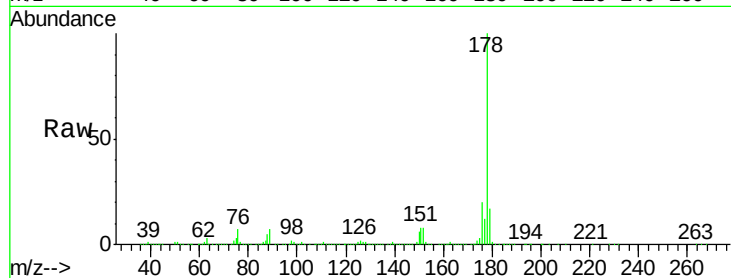
#71
 Anthracene
 Concen: 42.973 ng
 RT: 17.28 min Scan# 2381
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	17.2	12.5	18.7

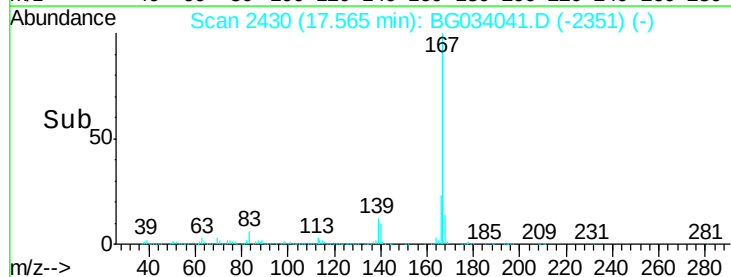
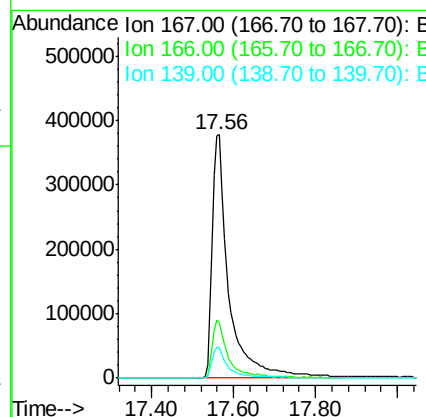
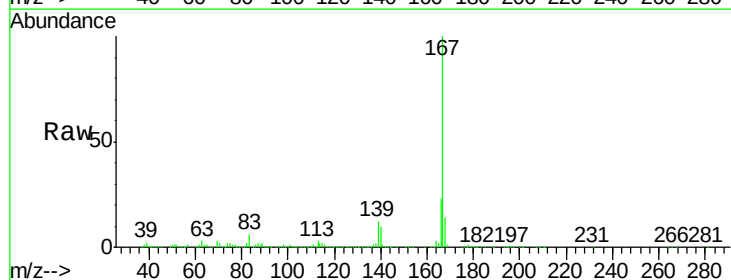
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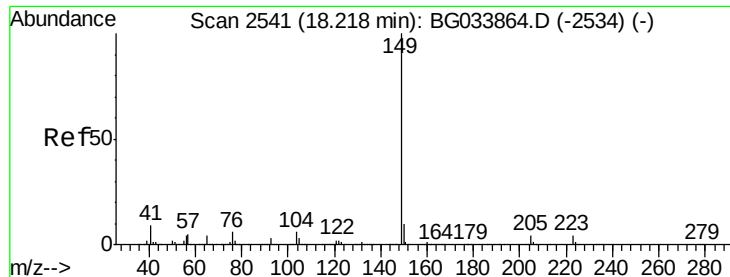
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#72
 Carbazole
 Concen: 39.017 ng
 RT: 17.56 min Scan# 2430
 Delta R.T. -0.07 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.2	27.4
139	12.5	9.4	14.2





#73

Di-n-butylphthalate

Concen: 38.105 ng

RT: 18.12 min Scan# 2525

Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

ClientSampleId :

JC-01-042518MSD

Tot Ion:149 Resp: 1278617

Ion Ratio Lower Upper

149 100

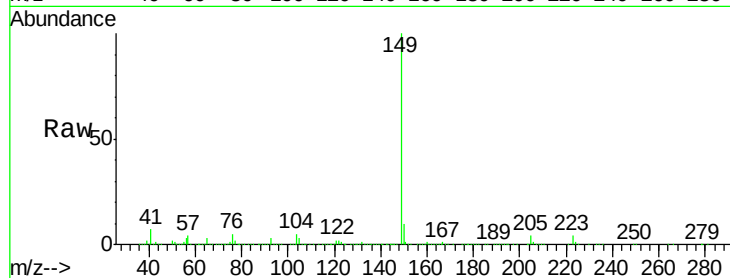
150 10.3 7.8 11.6

104 5.1 3.9 5.9

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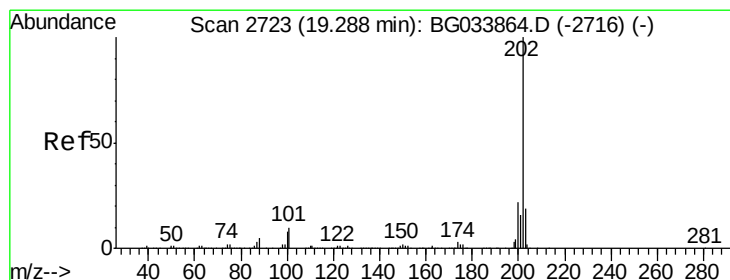
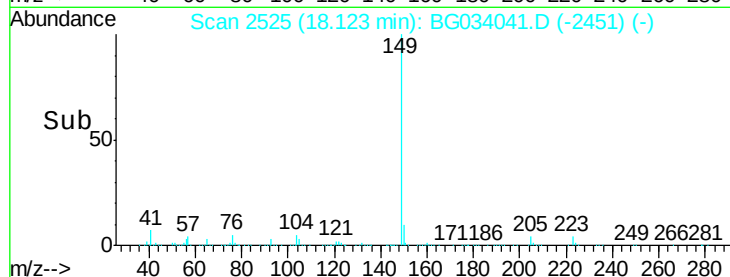
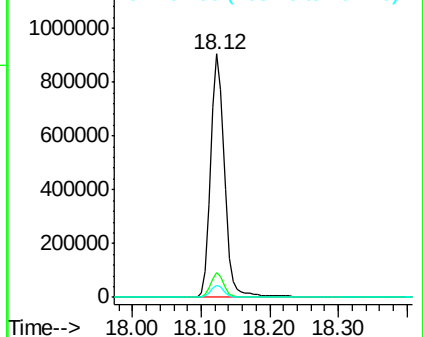
4/30/2018 7:02:30 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 41.568 ng

RT: 19.20 min Scan# 2709

Delta R.T. -0.08 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

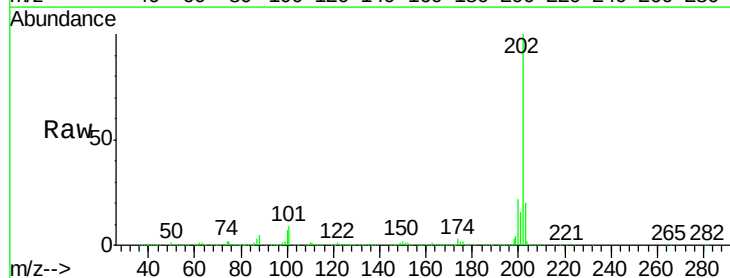
Tgt Ion:202 Resp: 1405765

Ion Ratio Lower Upper

202 100

101 8.7 0.0 28.9

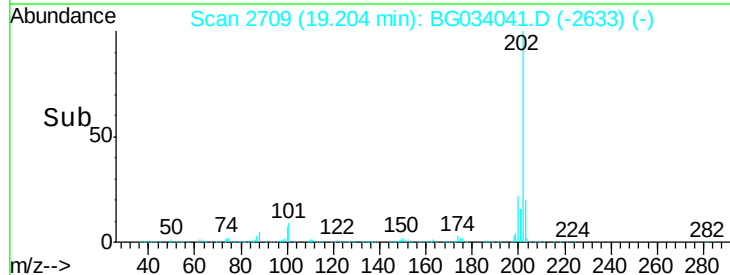
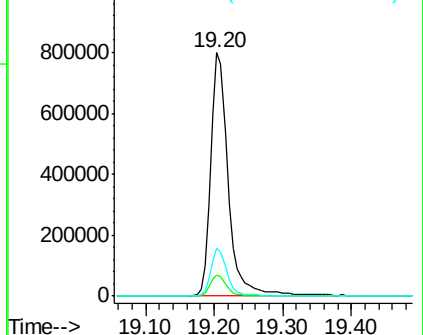
203 19.6 0.0 37.5

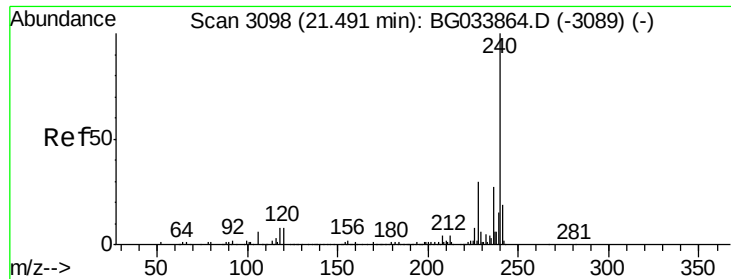


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.39 min Scan# 3081

Delta R.T. -0.10 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

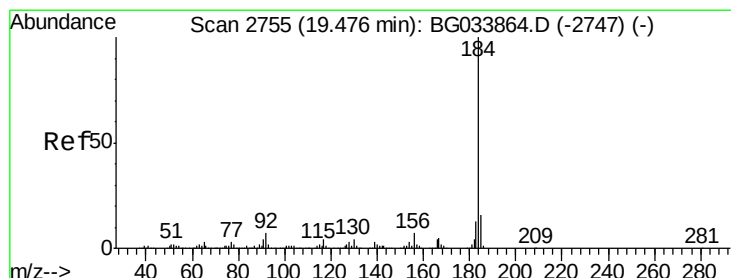
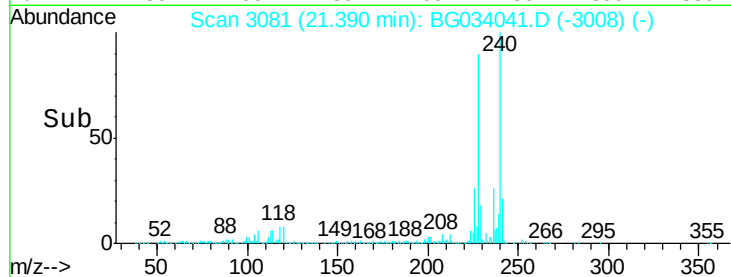
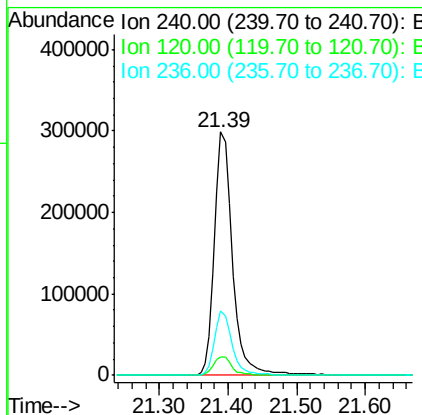
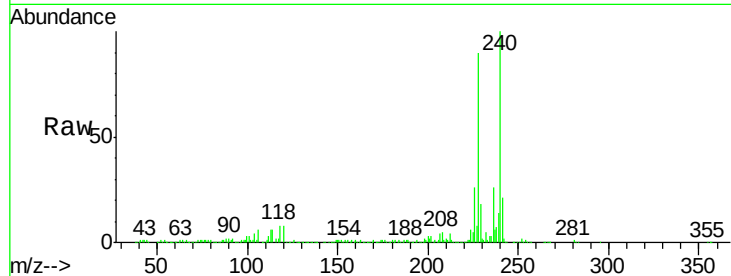
ClientSampleId :

JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.8	10.2
236	26.3	20.9	31.3

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#76

Benzidine

Concen: 16.855 ng

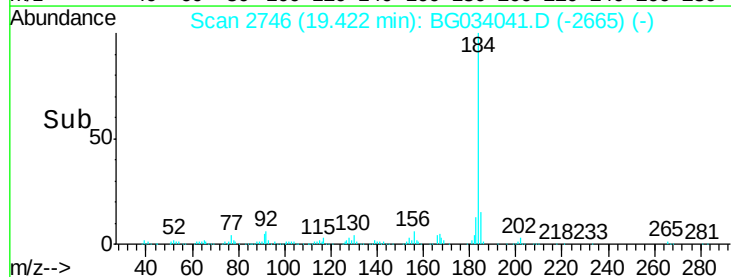
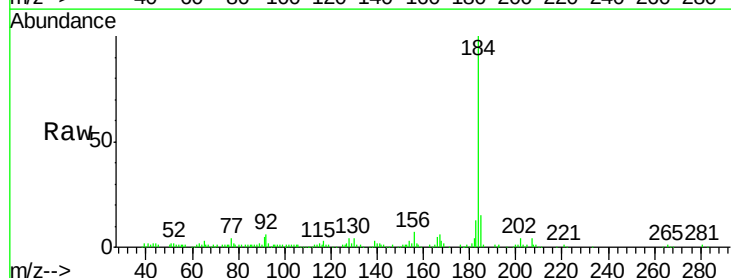
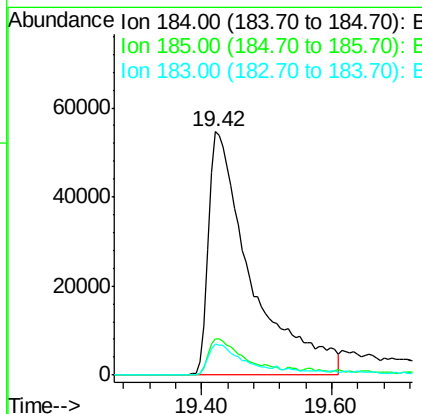
RT: 19.42 min Scan# 2746

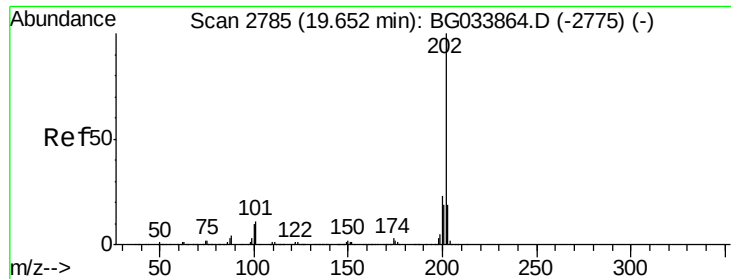
Delta R.T. -0.05 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.1	16.7
183	12.9	10.6	16.0





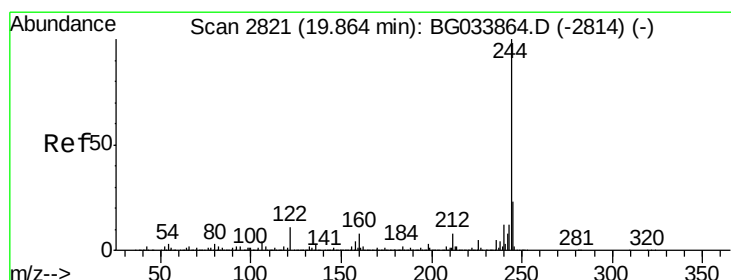
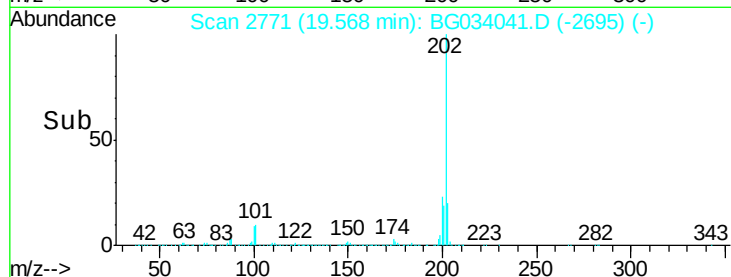
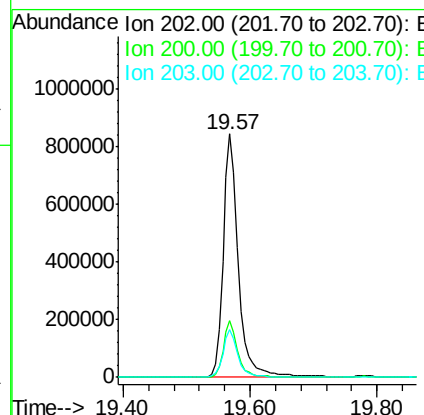
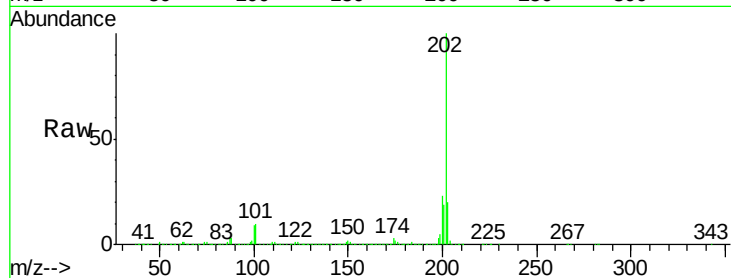
#77
Pvrene
Concen: 39.326 ng
RT: 19.57 min Scan# 2771
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.1	16.9	25.3
203	19.8	13.9	20.9

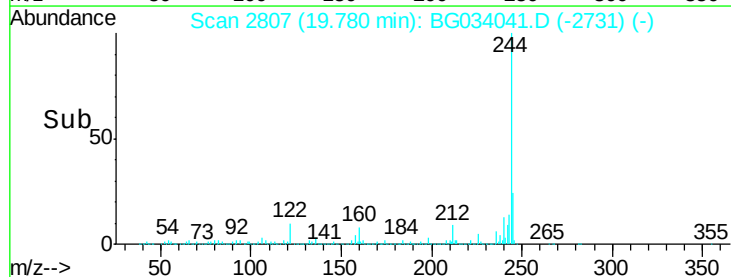
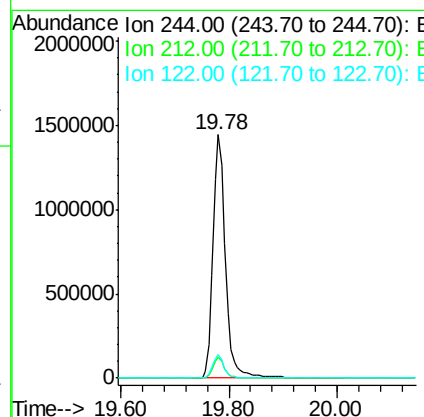
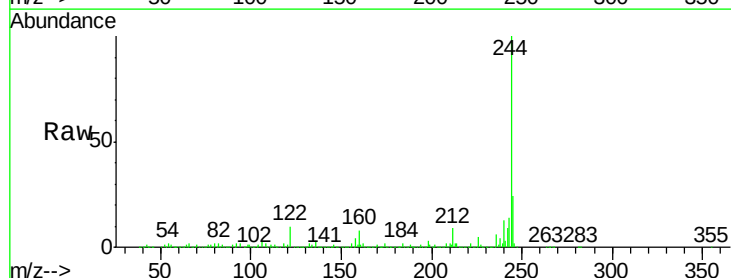
Manual Integrations
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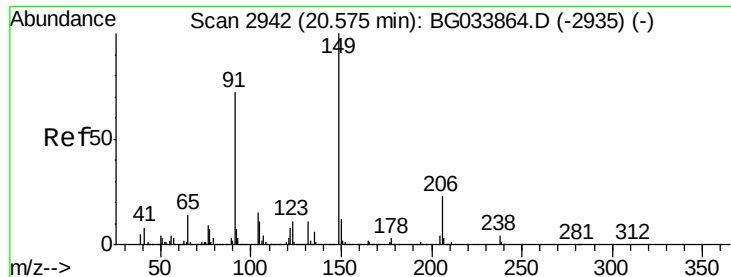
Sohil
4/30/2018 7:02:30 PM



#78
Terphenyl-d14
Concen: 95.612 ng
RT: 19.78 min Scan# 2807
Delta R.T. -0.08 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	5.8	8.8#
122	9.8	7.0	10.4





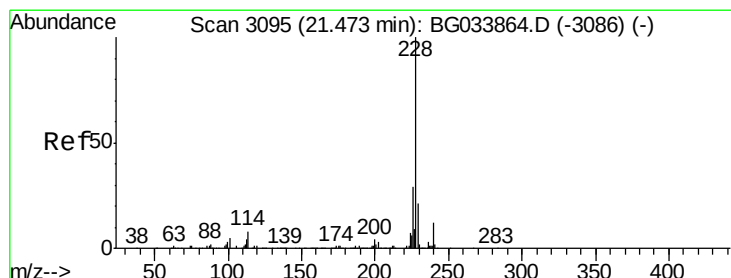
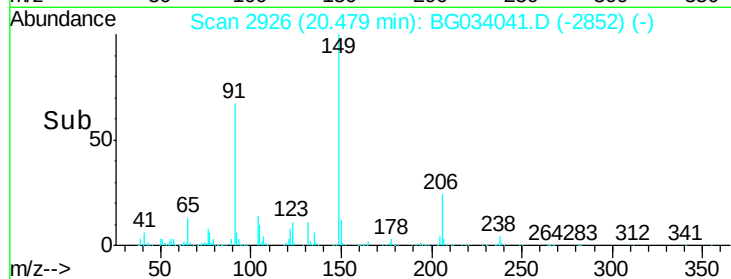
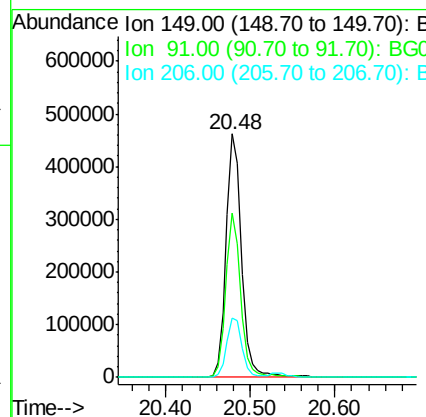
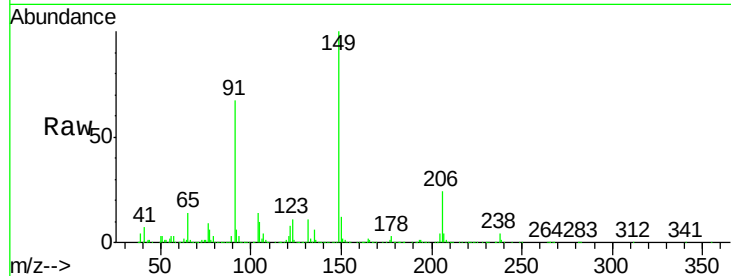
#79
Butylbenzylphthalate
Concen: 37.651 ng
RT: 20.48 min Scan# 2926
Delta R.T. -0.10 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	67.5	62.2	93.2
206	24.1	18.6	27.8

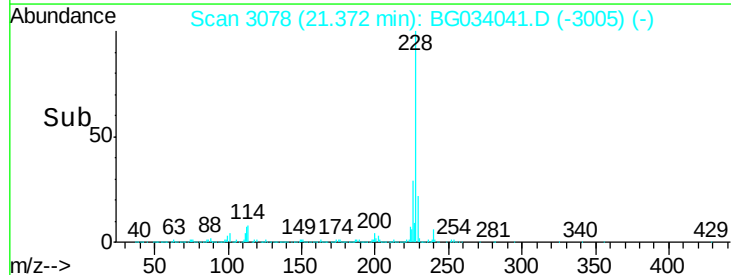
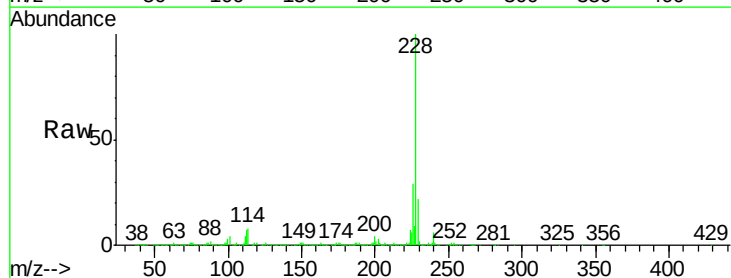
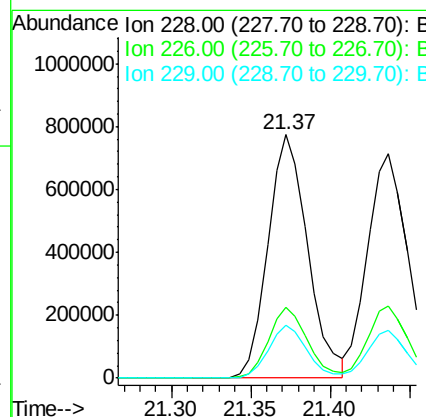
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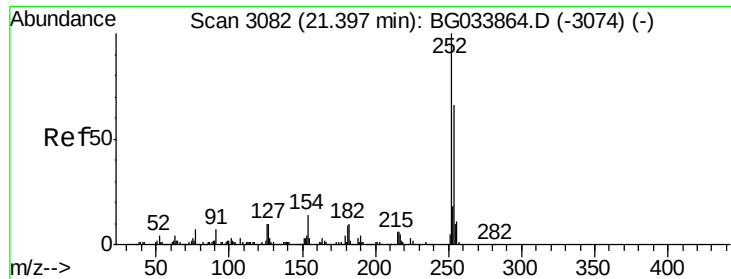
Sohil
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#80
Benzo(a)anthracene
Concen: 39.263 ng
RT: 21.37 min Scan# 3078
Delta R.T. -0.10 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.7	34.1
229	21.8	16.2	24.2





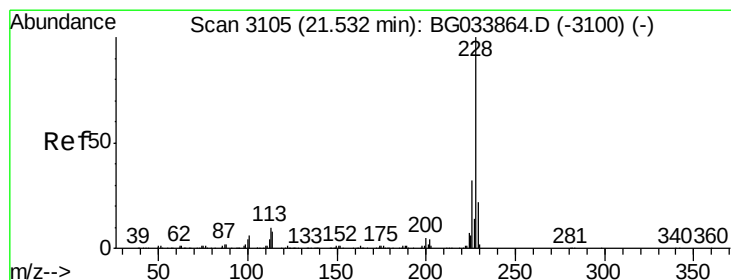
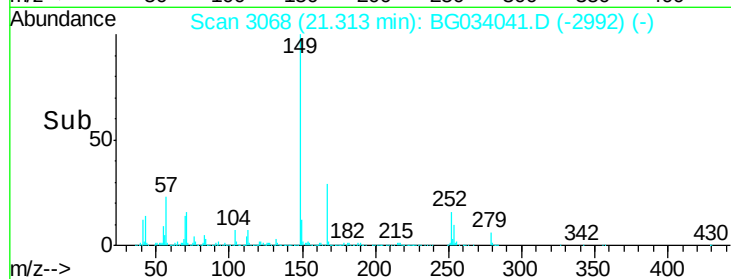
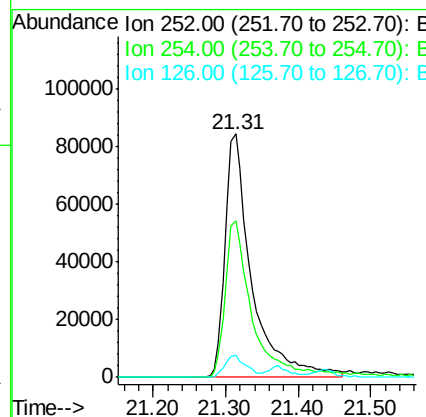
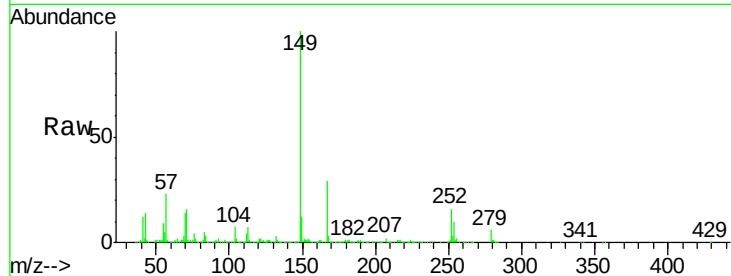
#81
 3,3'-Dichlorobenzidine
 Concen: 16.859 ng
 RT: 21.31 min Scan# 3068
 Delta R.T. -0.08 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.8	76.2
126	9.0	7.4	11.2

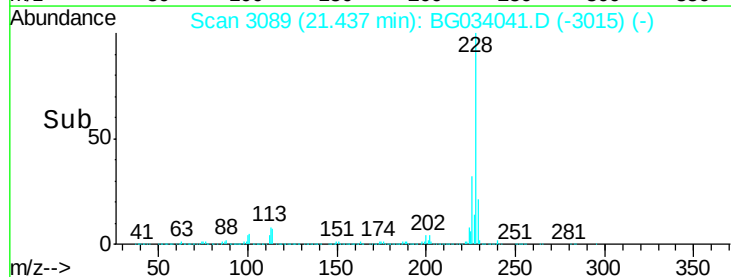
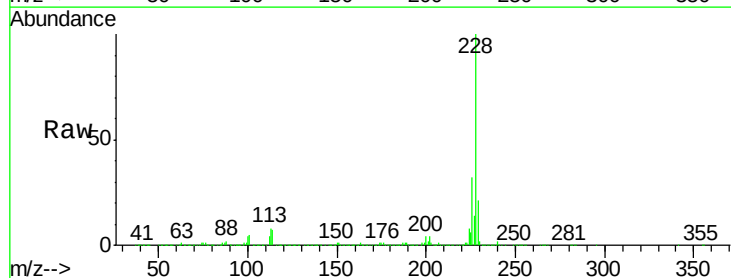
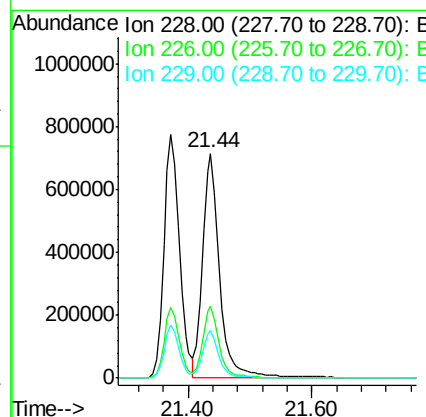
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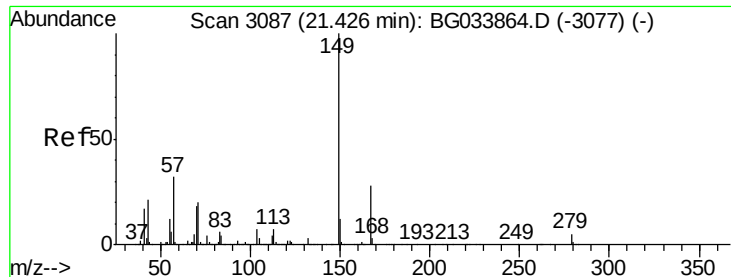
Sohil
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#82
 Chrysene
 Concen: 41.616 ng
 RT: 21.44 min Scan# 3089
 Delta R.T. -0.10 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.9	37.3
229	21.4	15.0	22.4





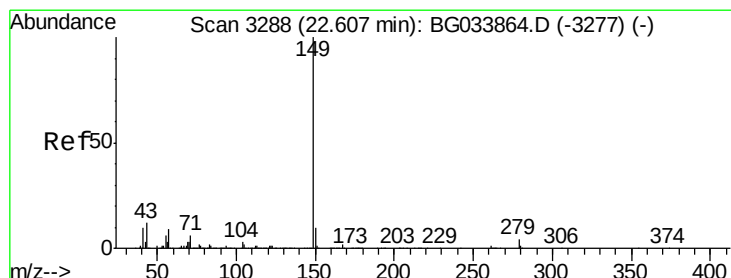
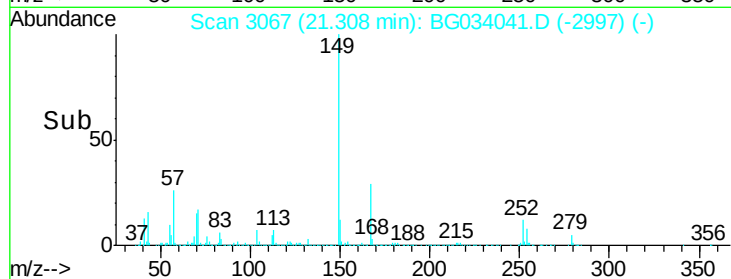
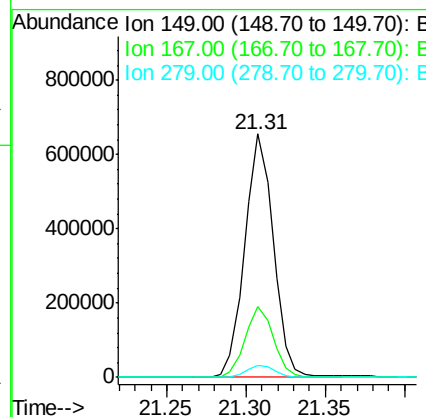
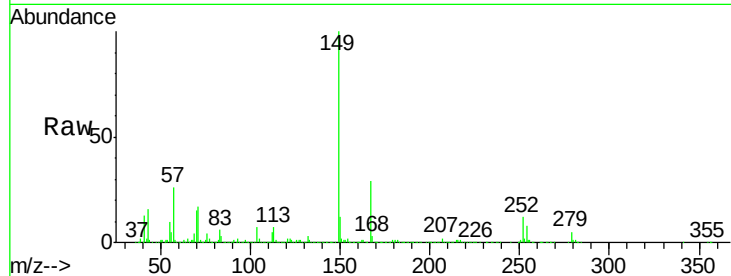
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.057 ng
 RT: 21.31 min Scan# 3067
 Delta R.T. -0.12 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.0	24.3	36.5
279	4.9	4.0	6.0

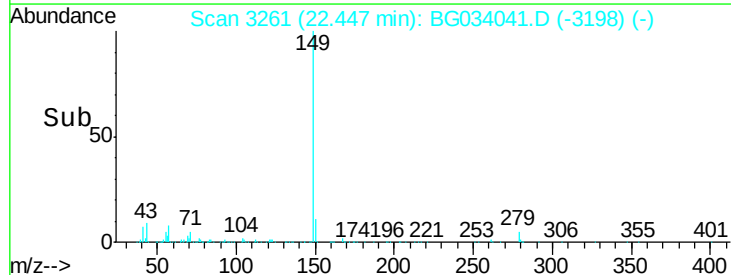
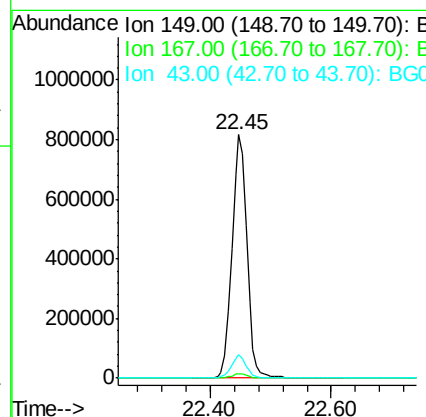
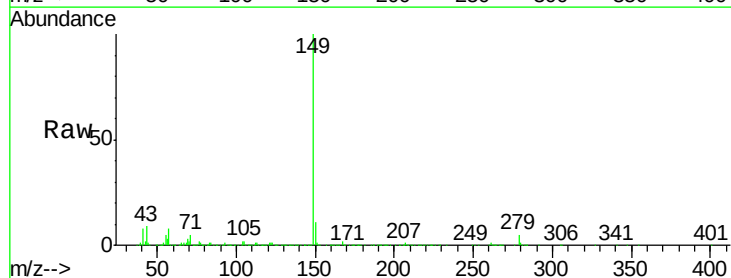
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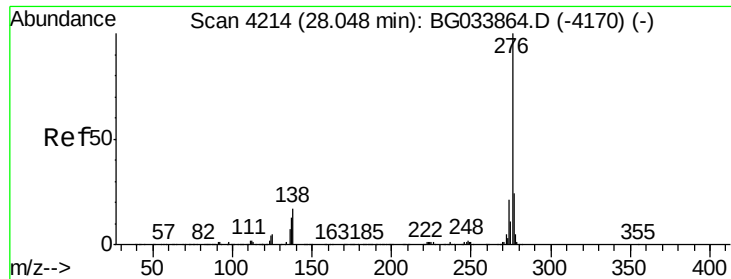
Sohil
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#84
 Di-n-octyl phthalate
 Concen: 40.040 ng
 RT: 22.45 min Scan# 3261
 Delta R.T. -0.16 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.9	8.9	13.3





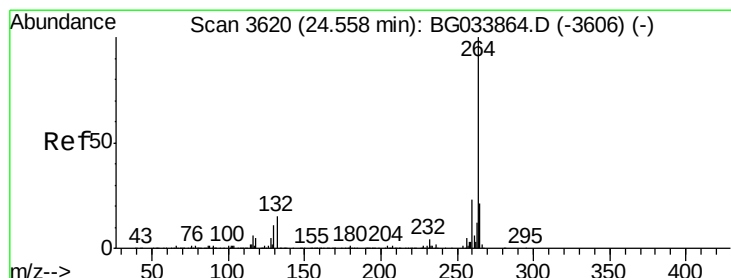
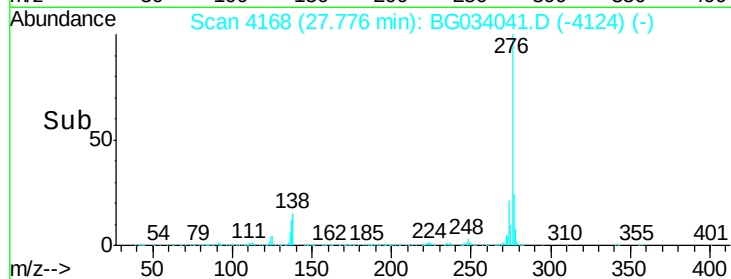
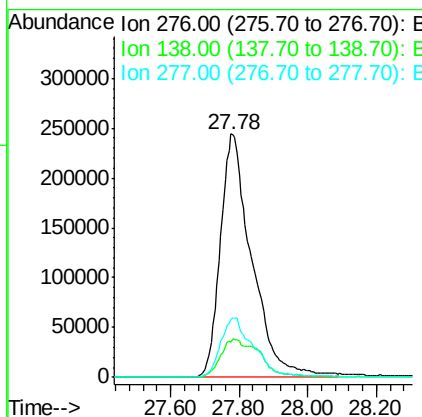
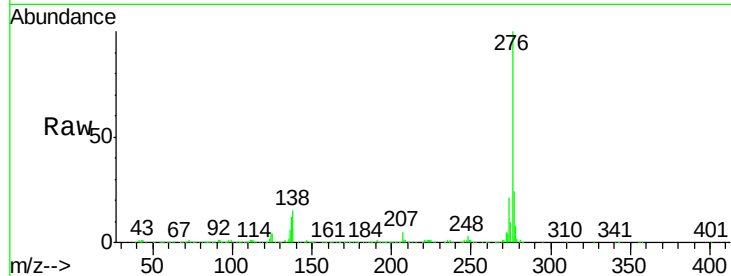
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 41.685 ng
 RT: 27.78 min Scan# 4168
 Delta R.T. -0.27 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Tot Ion:276 Resp: 1558401
 Ion Ratio Lower Upper
 276 100
 138 11.3 16.0 24.0#
 277 25.2 20.0 30.0

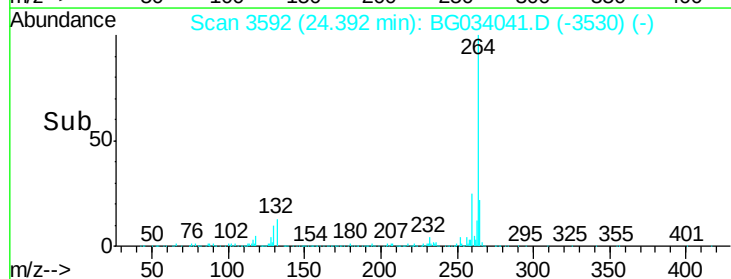
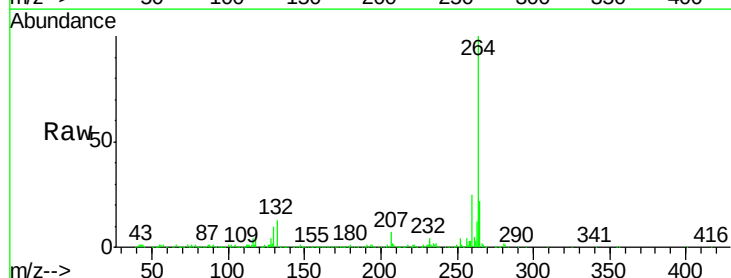
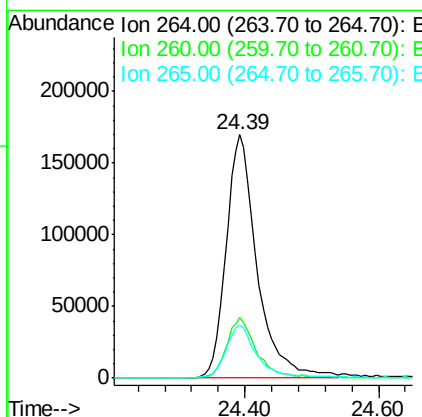
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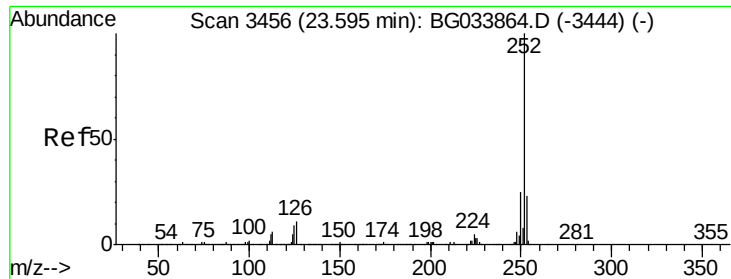
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.39 min Scan# 3592
 Delta R.T. -0.17 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tgt Ion:264 Resp: 549947
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.4 26.0
 265 21.8 17.7 26.5





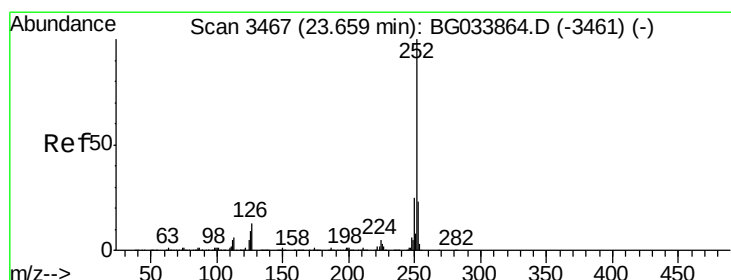
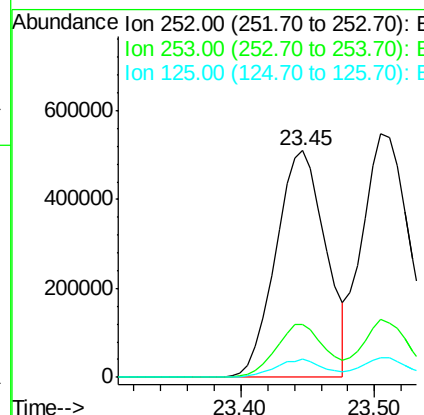
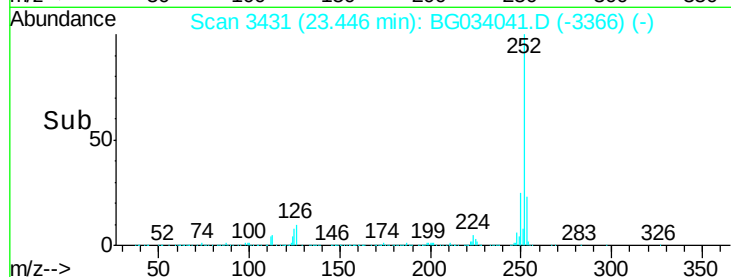
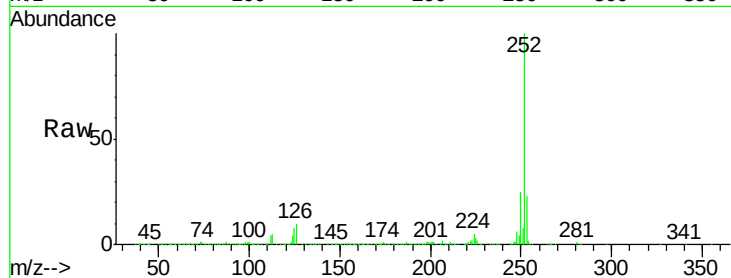
#87
Benzo(b)fluoranthene
Concen: 39.397 ng
RT: 23.45 min Scan# 3431
Delta R.T. -0.15 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Instrument :
BNA_G
ClientSampleId :
JC-01-042518MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	7.9	7.2	10.8

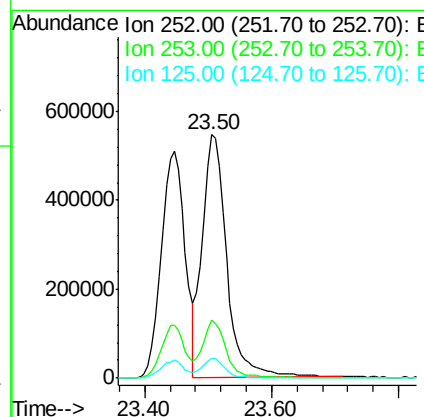
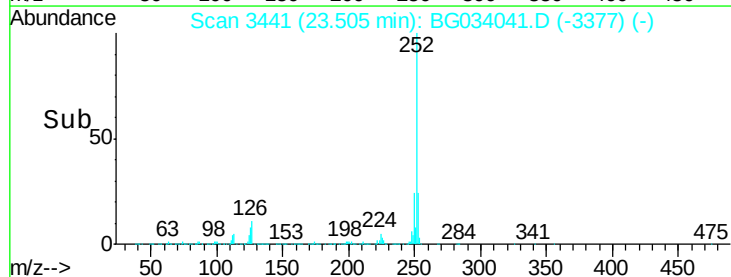
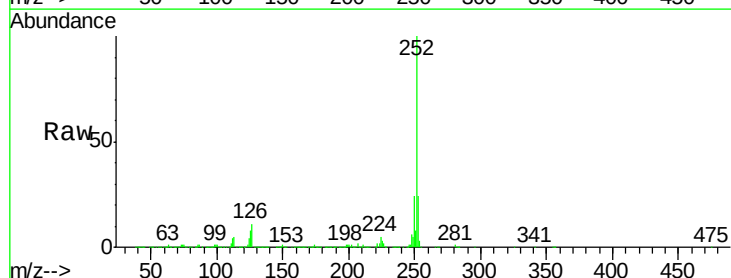
Manual Integrations
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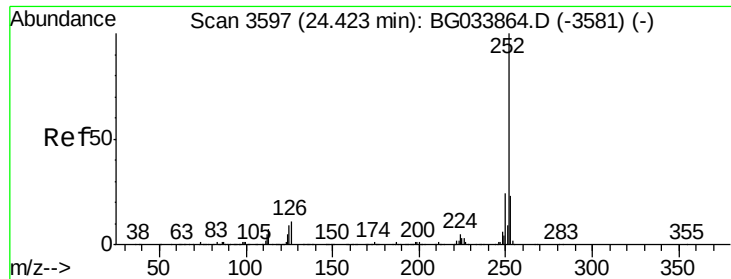
Sohil
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#88
Benzo(k)fluoranthene
Concen: 43.658 ng
RT: 23.50 min Scan# 3441
Delta R.T. -0.15 min
Lab File: BG034041.D
Acq: 27 Apr 2018 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	8.0	6.6	9.8





#89

Benzo(a)pyrene

Concen: 42.188 ng

RT: 24.25 min Scan# 3568

Delta R.T. -0.17 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

Instrument :

BNA_G

ClientSampleId :

JC-01-042518MSD

Tot Ion:252 Resp: 1355528

Ion Ratio Lower Upper

252 100

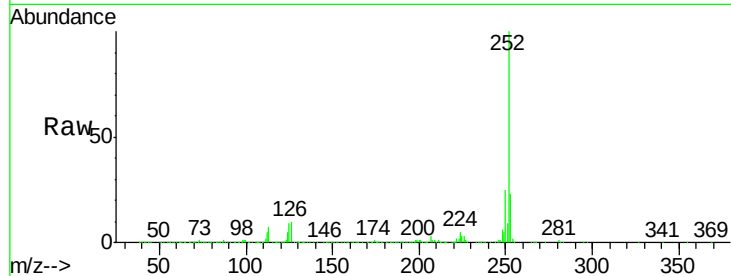
253 23.0 18.3 27.5

125 8.7 7.3 10.9

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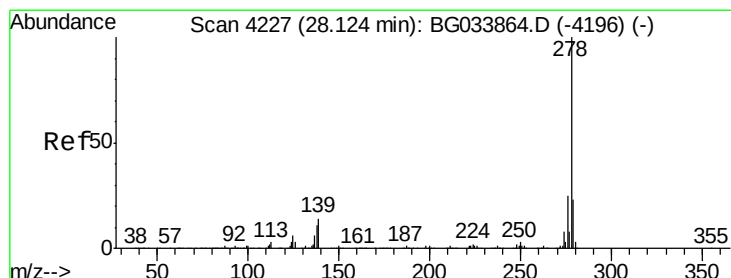
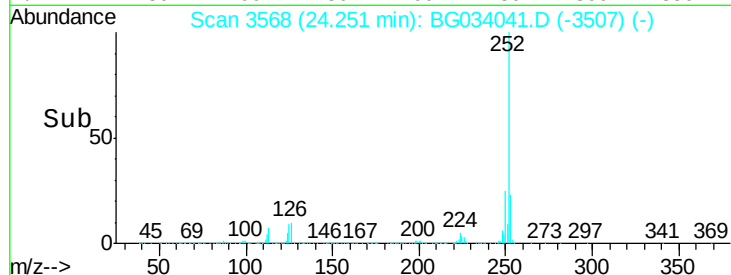
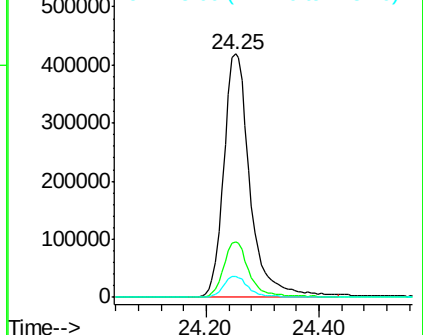
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 40.645 ng

RT: 27.84 min Scan# 4179

Delta R.T. -0.28 min

Lab File: BG034041.D

Acq: 27 Apr 2018 16:21

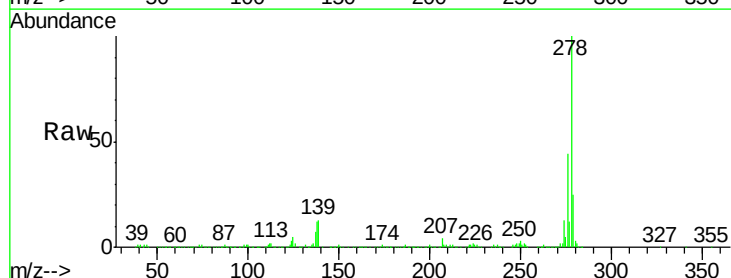
Tgt Ion:278 Resp: 1263670

Ion Ratio Lower Upper

278 100

139 13.0 9.8 14.6

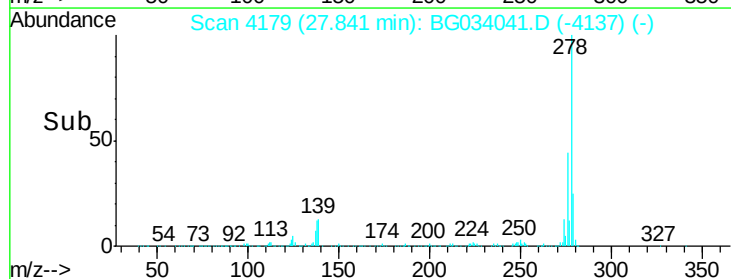
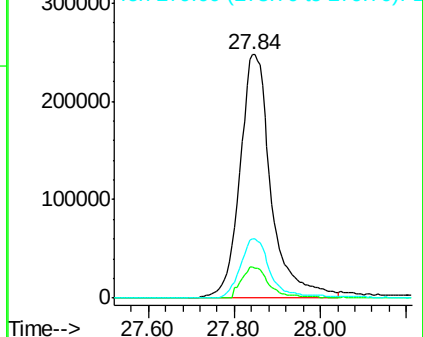
279 24.5 18.4 27.6

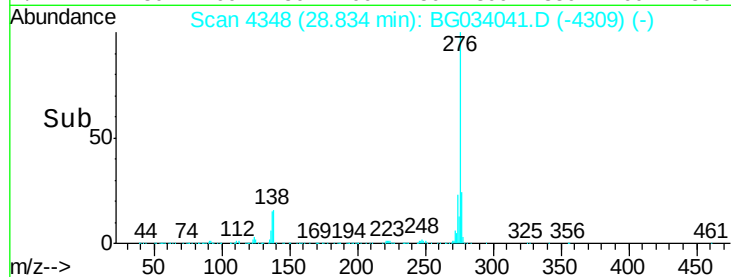
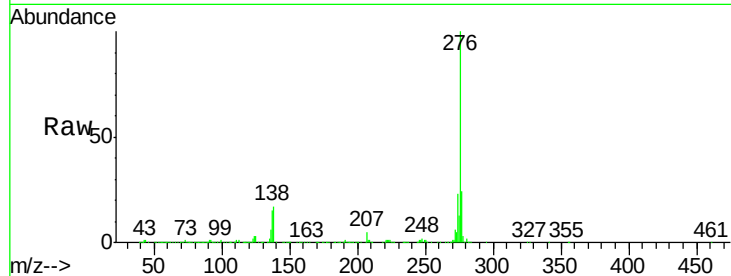
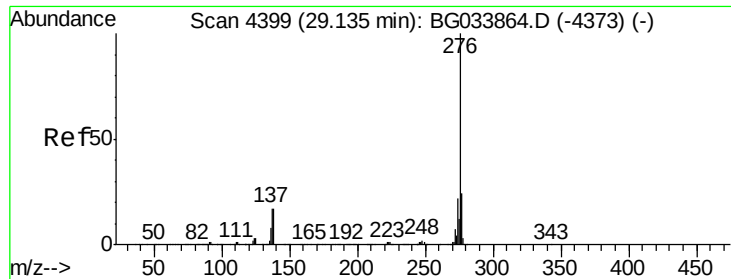


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 42.225 ng
 RT: 28.83 min Scan# 4348
 Delta R.T. -0.30 min
 Lab File: BG034041.D
 Acq: 27 Apr 2018 16:21

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.3	27.5
138	16.5	13.9	20.9

Instrument :
 BNA_G
 ClientSampleId :
 JC-01-042518MSD

Manual Integrations
 APPROVED

Sohil
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