

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046008.D
 Acq On : 10 Jul 2020 15:48
 Operator : CG/JU
 Sample : L3247-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Manual Integrations
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Quant Time: Jul 10 17:30:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	117320	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	488887	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	319141	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	727679	20.00	ng	0.00
76) Chrysene-d12	21.63	240	604173	20.00	ng	0.00
86) Perylene-d12	24.78	264	609515	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	980989	135.60	ng	0.00
7) Phenol-d6	7.16	99	1243684	119.41	ng	0.00
23) Nitrobenzene-d5	9.16	82	1009227	118.82	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	496783	167.72	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1884393	92.10	ng	0.00
79) Terphenyl-d14	19.99	244	2777734	102.32	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.52	88	137164	41.095	ng	# 33
3) Pyridine	3.90	79	412571	40.880	ng	100
4) n-Nitrosodimethylamine	3.81	42	177822	52.107	ng	# 93
6) Aniline	7.33	93	555237	41.671	ng	99
8) 2-Chlorophenol	7.57	128	409755	52.615	ng	97
9) Benzaldehyde	7.14	77	147593	22.366	ng	94
10) Phenol	7.19	94	462230	44.240	ng	98
11) bis(2-Chloroethyl)ether	7.42	93	422478	48.899	ng	98
12) 1,3-Dichlorobenzene	7.90	146	387457	43.163	ng	99
13) 1,4-Dichlorobenzene	8.04	146	393294	44.538	ng	99
14) 1,2-Dichlorobenzene	8.36	146	372967	43.885	ng	99
15) Benzyl Alcohol	8.24	79	428771	52.502	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.53	45	536163	47.564	ng	97
17) 2-Methylphenol	8.44	107	365783	46.657	ng	98
18) Hexachloroethane	9.09	117	148439	43.688	ng	93
19) n-Nitroso-di-n-propylamine	8.81	70	390884	53.421	ng	99
20) 3+4-Methylphenols	8.77	107	497906	46.600	ng	98
22) Acetophenone	8.82	105	645995	49.461	ng	98
24) Nitrobenzene	9.20	77	558483	59.572	ng	98
25) Isophorone	9.73	82	1053189	50.792	ng	98
26) 2-Nitrophenol	9.91	139	212650	69.591	ng	93
27) 2,4-Dimethylphenol	9.97	122	377999	51.215	ng	99
28) bis(2-Chloroethoxy)methane	10.21	93	595247	51.121	ng	100
29) 2,4-Dichlorophenol	10.45	162	396204	51.857	ng	98
30) 1,2,4-Trichlorobenzene	10.67	180	381327	45.044	ng	99
31) Naphthalene	10.85	128	1233981	47.083	ng	99
32) Benzoic acid	10.11	122	253607	55.142	ng	95
33) 4-Chloroaniline	10.95	127	305271	26.066	ng	98
34) Hexachlorobutadiene	11.15	225	202779	41.024	ng	99
35) Caprolactam	11.72	113	133486m	46.016	ng	
36) 4-Chloro-3-methylphenol	12.08	107	486327	55.886	ng	99
37) 2-Methylnaphthalene	12.46	142	936513	50.268	ng	99
38) 1-Methylnaphthalene	12.68	142	902285	51.318	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	405726	45.099	ng	98

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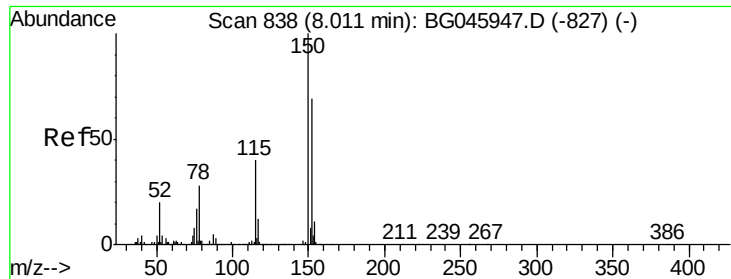
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	438864	82.213	nq	94
43) 2,4,6-Trichlorophenol	13.06	196	326795	53.712	nq	98
44) 2,4,5-Trichlorophenol	13.13	196	343898	49.991	nq	99
46) 1,1'-Biphenyl	13.47	154	1154352	48.083	nq	100
47) 2-Chloronaphthalene	13.51	162	882428	46.585	nq	98
48) 2-Nitroaniline	13.70	65	334412	61.923	nq	98
49) Acenaphthylene	14.35	152	1485132	48.594	nq	99
50) Dimethylphthalate	14.09	163	1217986	50.854	nq	100
51) 2,6-Dinitrotoluene	14.20	165	279588	64.075	nq	94
52) Acenaphthene	14.70	154	1042777	54.094	nq	100
53) 3-Nitroaniline	14.52	138	267281	50.672	nq	# 94
54) 2,4-Dinitrophenol	14.72	184	188183	114.568	nq	# 84
55) Dibenzofuran	15.03	168	1388850	49.149	nq	99
56) 4-Nitrophenol	14.83	139	451684	115.755	nq	99
57) 2,4-Dinitrotoluene	14.98	165	385247	68.253	nq	96
58) Fluorene	15.68	166	1176948	50.772	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.25	232	318780m	60.019	nq	
60) Diethylphthalate	15.45	149	1291235	51.407	nq	99
61) 4-Chlorophenyl-phenylether	15.67	204	561356	48.676	nq	98
62) 4-Nitroaniline	15.69	138	292966	59.183	nq	96
63) Azobenzene	15.96	77	1438214	53.348	nq	99
65) 4,6-Dinitro-2-methylphenol	15.75	198	160693	61.853	nq	96
66) n-Nitrosodiphenylamine	15.88	169	1079382	47.867	nq	99
67) 4-Bromophenyl-phenylether	16.56	248	375705	46.228	nq	95
68) Hexachlorobenzene	16.69	284	393500	48.250	nq	100
69) Atrazine	16.83	200	369248	55.385	nq	96
70) Pentachlorophenol	17.02	266	490348	108.142	nq	98
71) Phenanthrene	17.42	178	1862116	48.404	nq	96
72) Anthracene	17.50	178	1907058	48.847	nq	97
73) Carbazole	17.77	167	1862688	47.599	nq	99
74) Di-n-butylphthalate	18.34	149	2228893	47.134	nq	98
75) Fluoranthene	19.42	202	2164254	48.665	nq	96
77) Benzidine	19.59	184	436874	25.290	nq	99
78) Pyrene	19.78	202	2128726	51.617	nq	98
80) Butylbenzylphthalate	20.68	149	1040983	53.414	nq	97
81) Benzo(a)anthracene	21.61	228	1926620	48.497	nq	99
82) 3,3'-Dichlorobenzidine	21.53	252	527639	35.944	nq	99
83) Chrysene	21.68	228	1857498	49.080	nq	96
84) Bis(2-ethylhexyl)phthalate	21.55	149	1424219	50.344	nq	100
85) Di-n-octyl phthalate	22.75	149	2411195	49.115	nq	99
87) Indeno(1,2,3-cd)pyrene	28.38	276	2440216	54.725	nq	# 92
88) Benzo(b)fluoranthene	23.79	252	2058246	53.195	nq	96
89) Benzo(k)fluoranthene	23.86	252	1978517	54.078	nq	97
90) Benzo(a)pyrene	24.64	252	1894211	52.062	nq	100
91) Dibenzo(a,h)anthracene	28.45	278	1957646	54.432	nq	100
92) Benzo(g,h,i)perylene	29.49	276	1978496	54.665	nq	99

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



#1

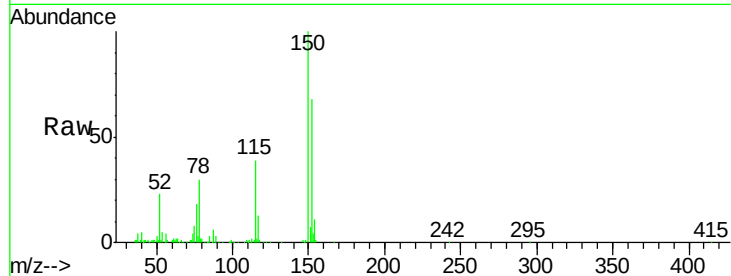
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

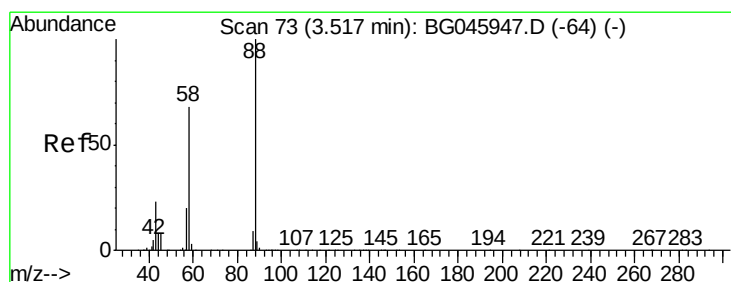
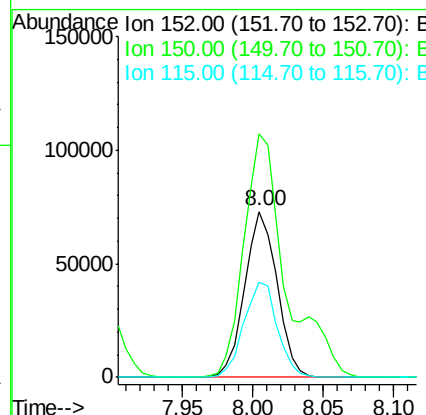
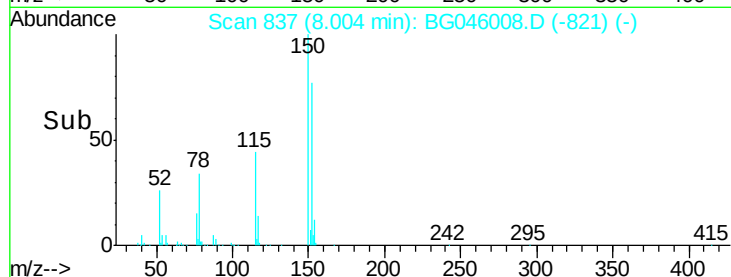
Tot Ion	Ratio	Lower	Upper
152	100		
150	146.9	116.7	175.1
115	57.3	47.4	71.0

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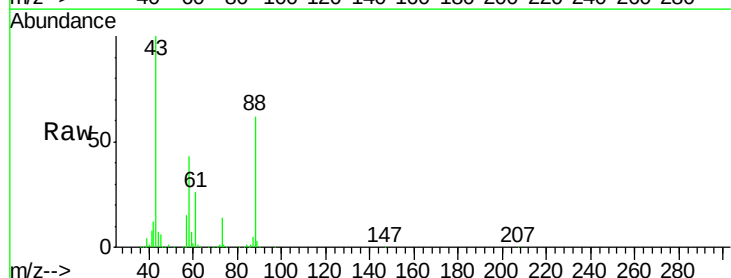
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



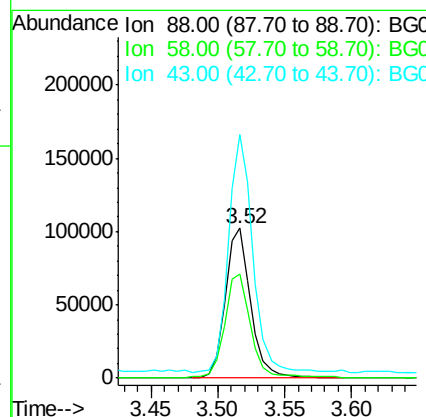
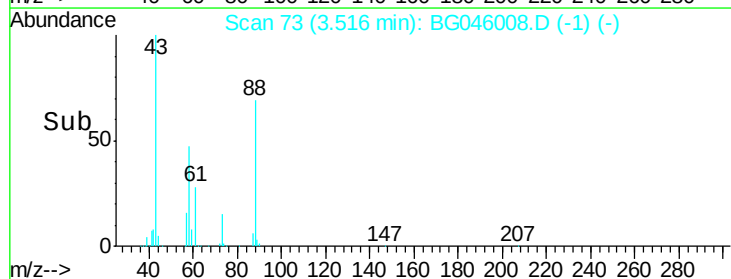
#2

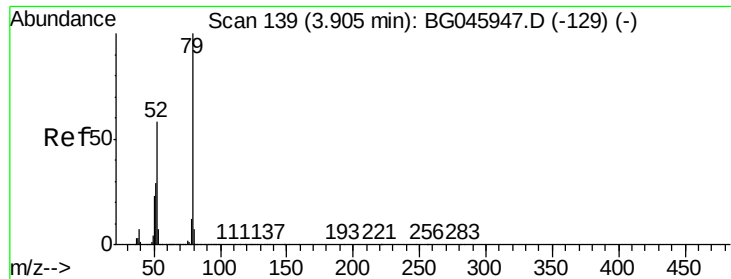
1,4-Dioxane
Concen: 41.095 ng
RT: 3.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.7	55.2	82.8
43	150.3	19.4	29.0



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





#3

Pvridine

Concen: 40.880 ng

RT: 3.90 min Scan# 139

Delta R.T. 0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

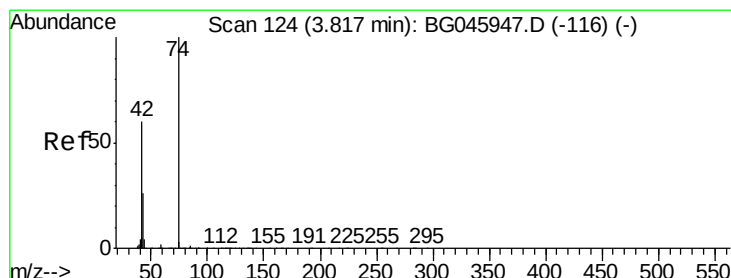
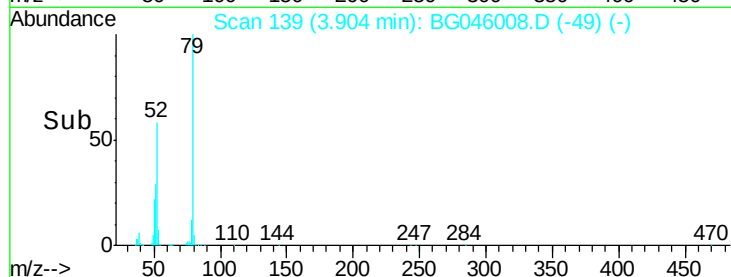
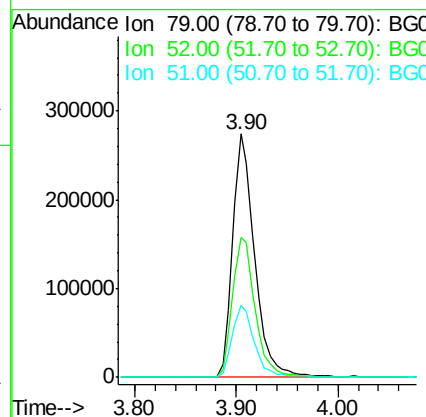
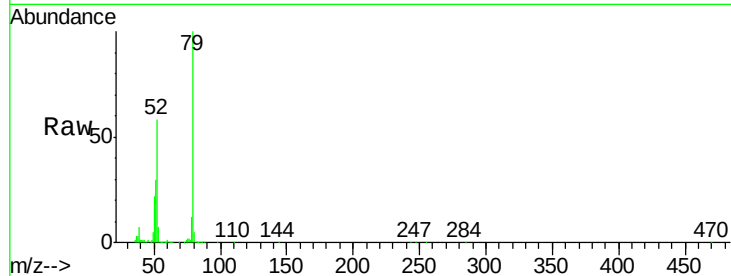
ClientSampleId :

MH-D19MSD

Tot Ion:	79	Resp:	412571
Ion	Ratio	Lower	Upper
79	100		
52	57.6	46.5	69.7
51	29.5	23.5	35.3

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#4

n-Nitrosodimethylamine

Concen: 52.107 ng

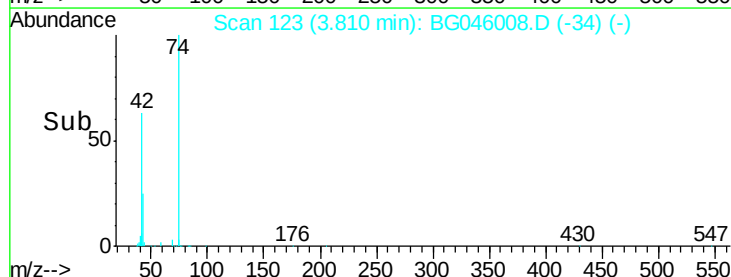
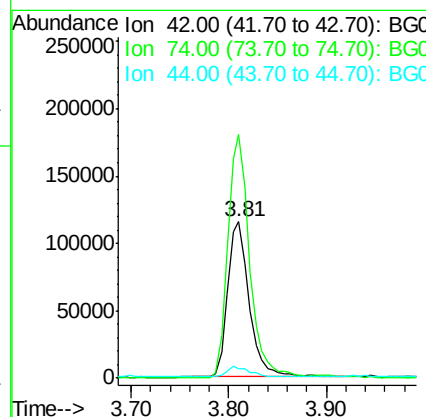
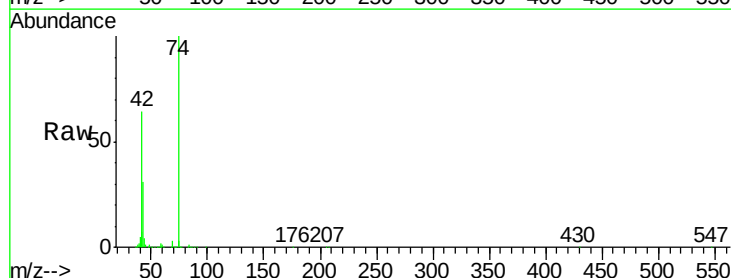
RT: 3.81 min Scan# 123

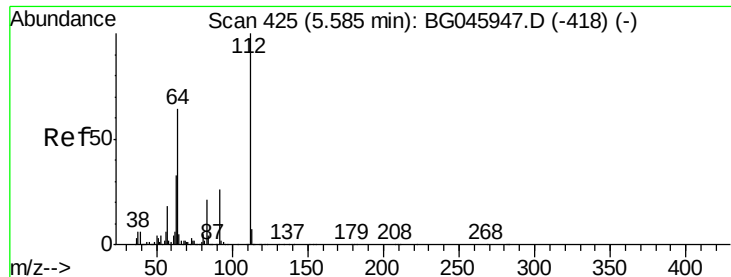
Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion:	42	Resp:	177822
Ion	Ratio	Lower	Upper
42	100		
74	155.6	131.9	197.9
44	5.7	7.7	11.5





#5

2-Fluorophenol

Concen: 135.598 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

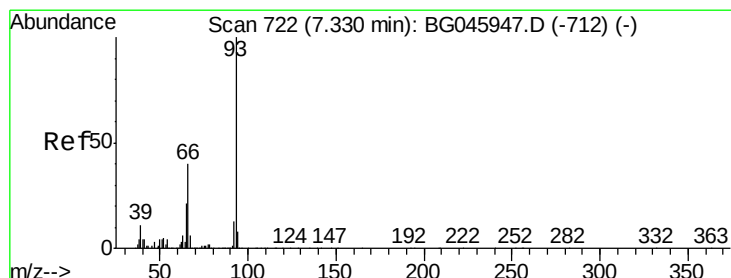
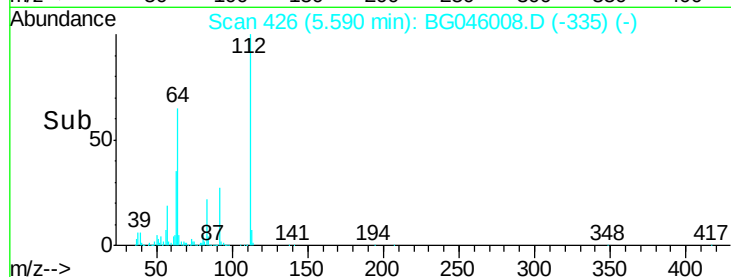
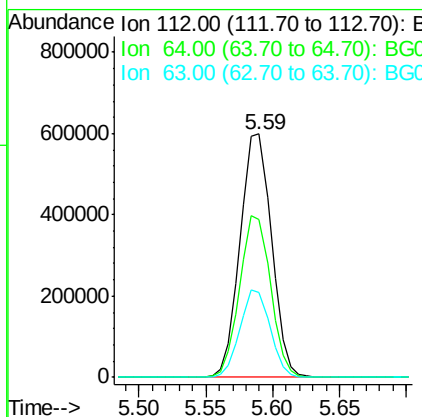
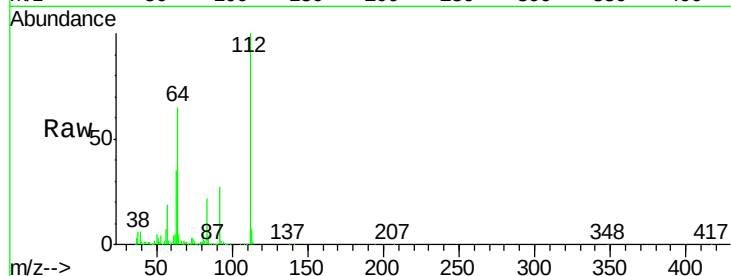
ClientSampleId :

MH-D19MSD

Tot Ion:	112	Resp:	980989
Ion Ratio	Lower	Upper	
112	100		
64	65.1	51.4	77.2
63	35.0	26.6	40.0

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#6

Aniline

Concen: 41.671 ng

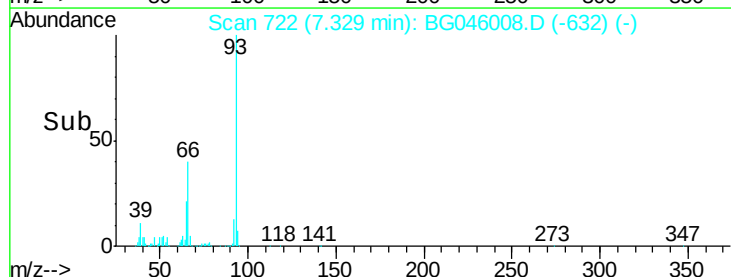
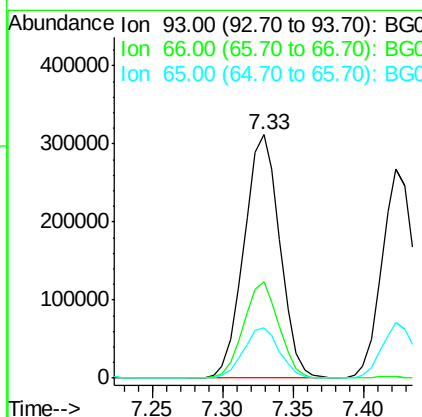
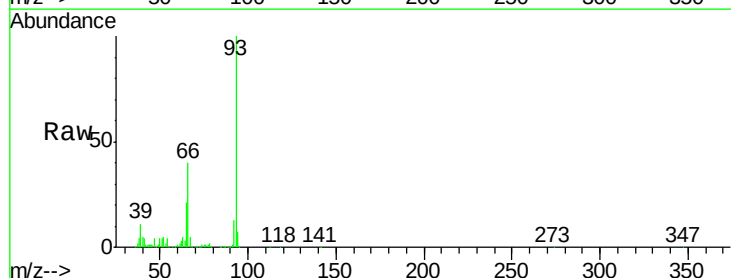
RT: 7.33 min Scan# 722

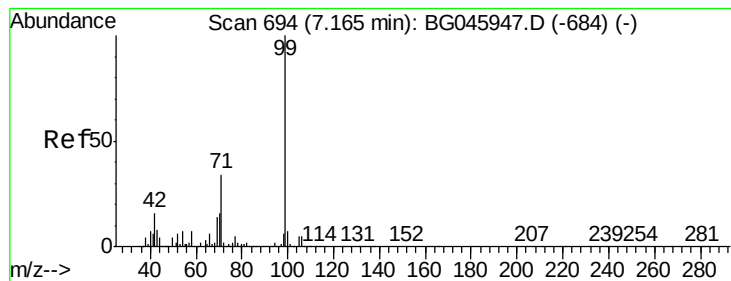
Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion:	93	Resp:	555237
Ion Ratio	Lower	Upper	
93	100		
66	39.7	32.3	48.5
65	20.6	16.6	25.0





#7

Phenol-d6

Concen: 119.405 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

ClientSampleId :

MH-D19MSD

Tot Ion: 99 Resp: 1243684

Ion Ratio Lower Upper

99 100

42 17.2 13.0 19.4

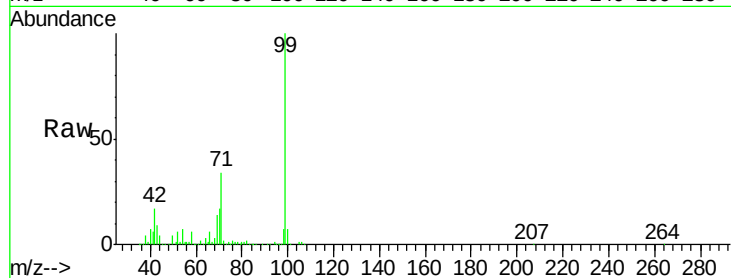
71 34.5 27.5 41.3

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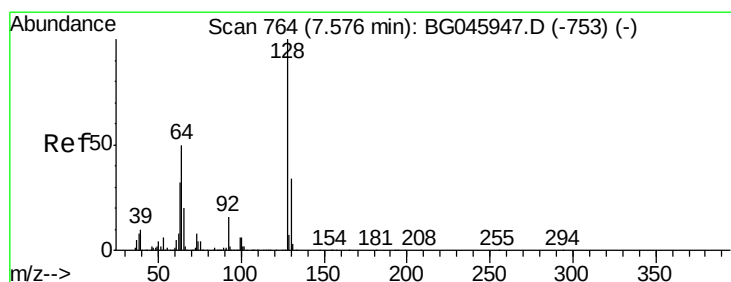
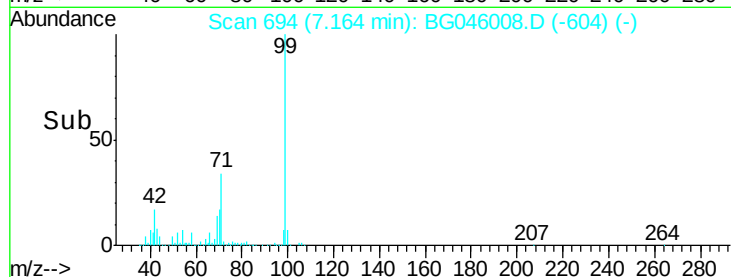
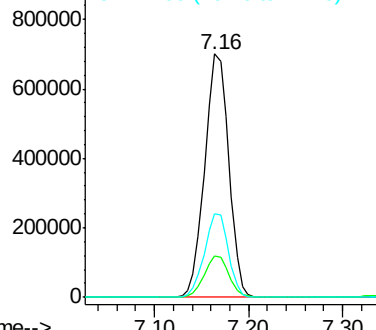
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 52.615 ng

RT: 7.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

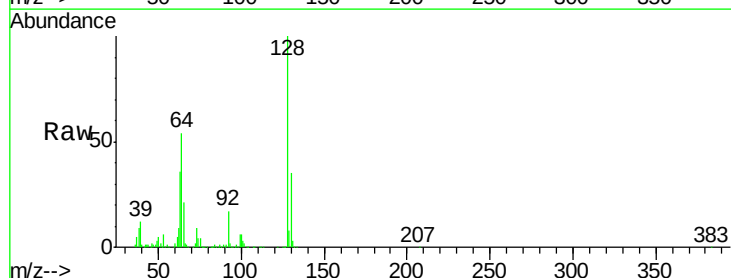
Tgt Ion: 128 Resp: 409755

Ion Ratio Lower Upper

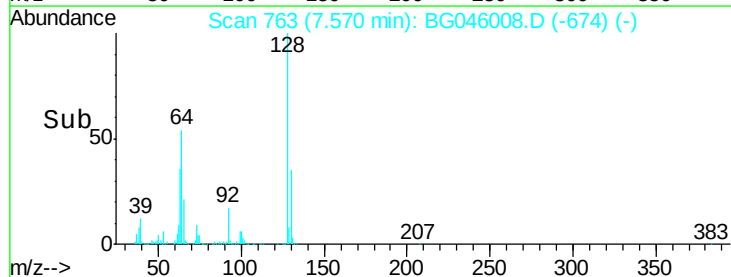
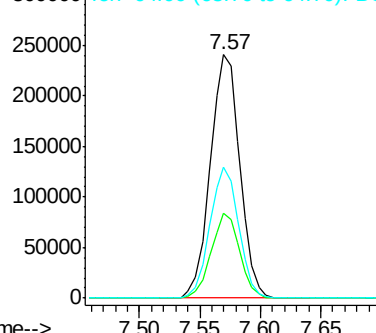
128 100

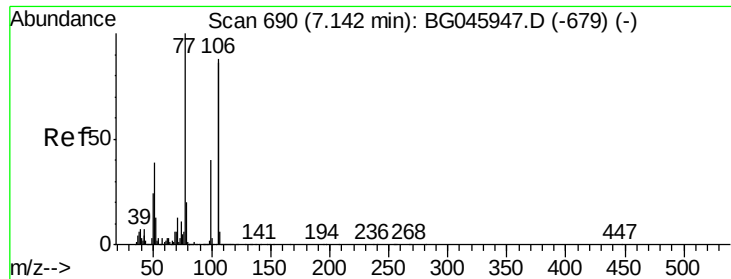
130 34.6 13.6 53.6

64 53.8 30.6 70.6



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





#9

Benzaldehyde

Concen: 22.366 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

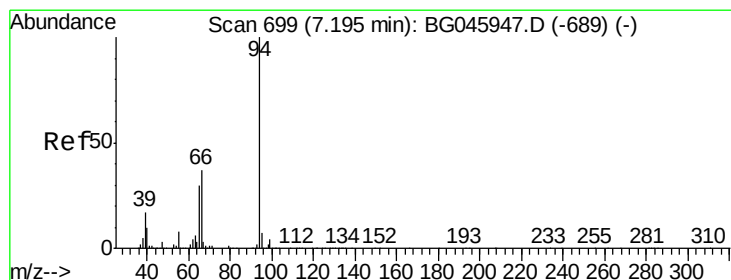
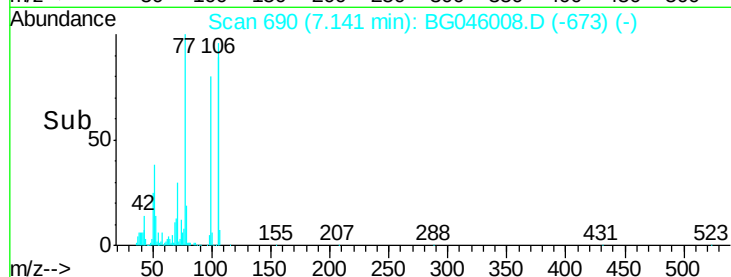
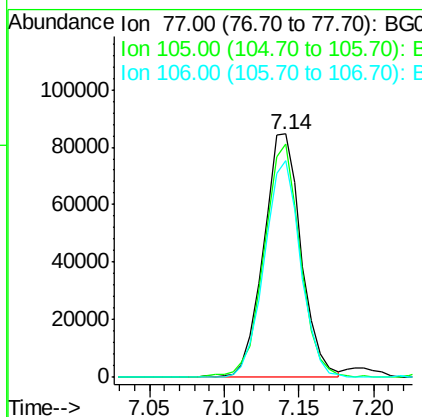
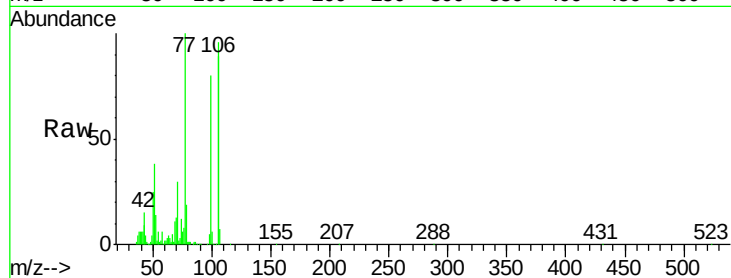
ClientSampleId :

MH-D19MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	96.1	66.0	106.0	
106	89.3	67.7	107.7	

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#10

Phenol

Concen: 44.240 ng

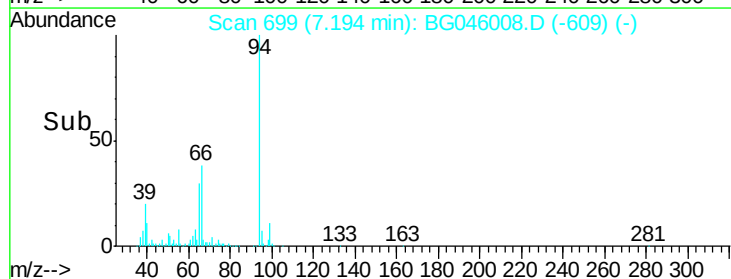
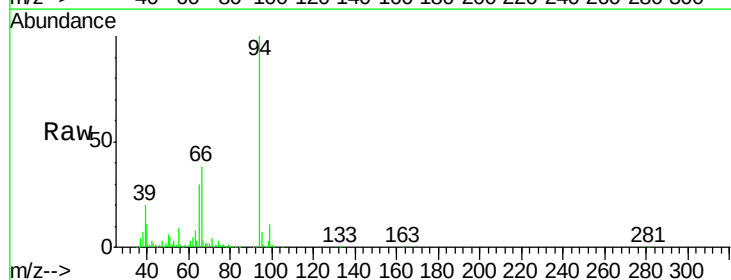
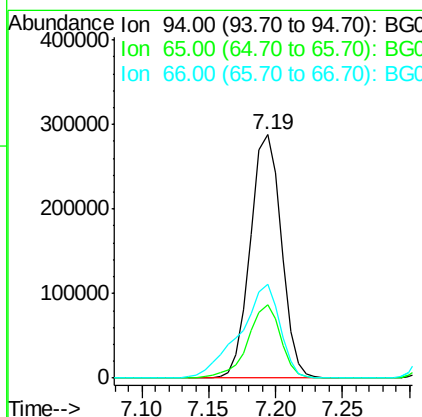
RT: 7.19 min Scan# 699

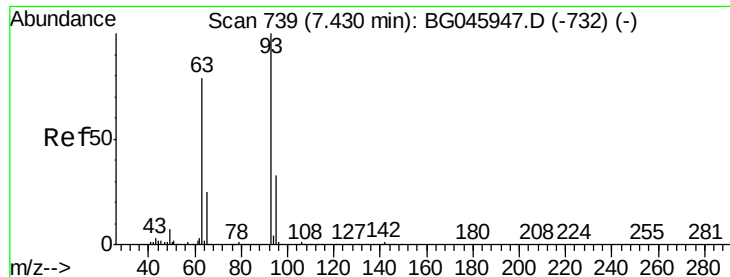
Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	30.2	10.6	50.6	
66	38.4	17.1	57.1	





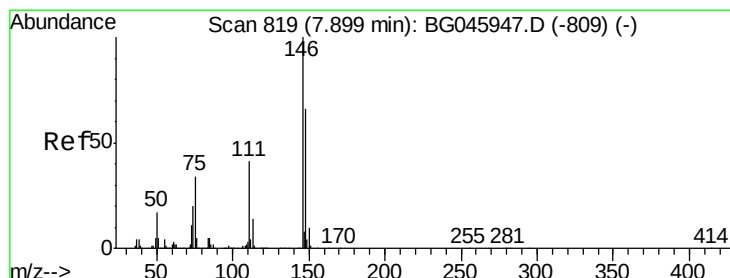
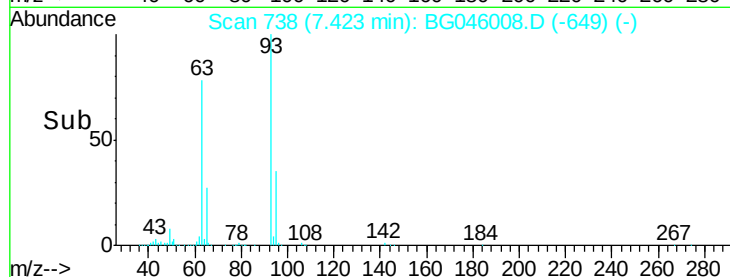
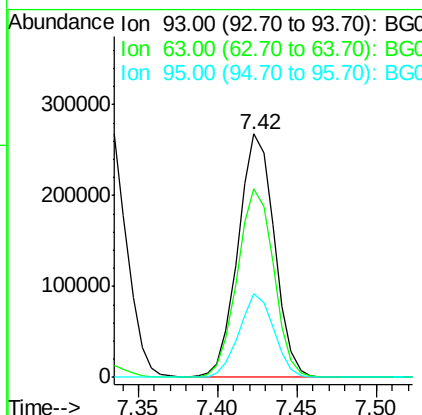
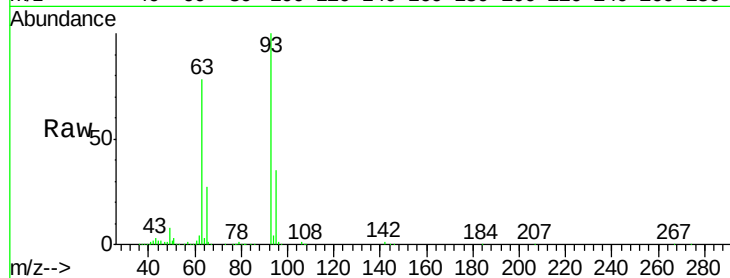
#11
bis(2-Chloroethyl)ether
Concen: 48.899 ng
RT: 7.42 min Scan# 738
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	93	Resp	422478
Ion Ratio	Lower	Upper	
93	100		
63	77.5	58.6	98.6
95	34.6	13.3	53.3

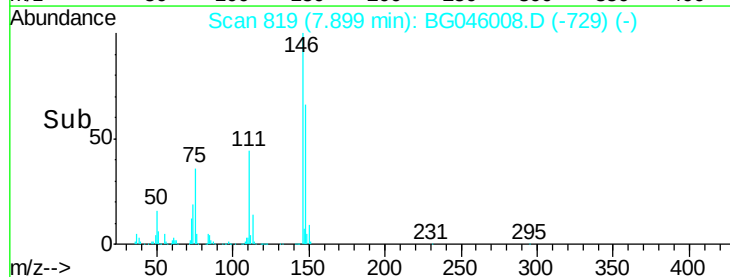
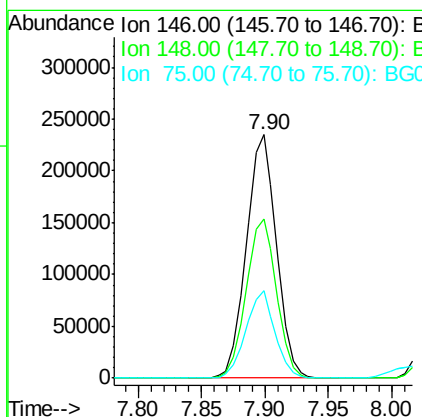
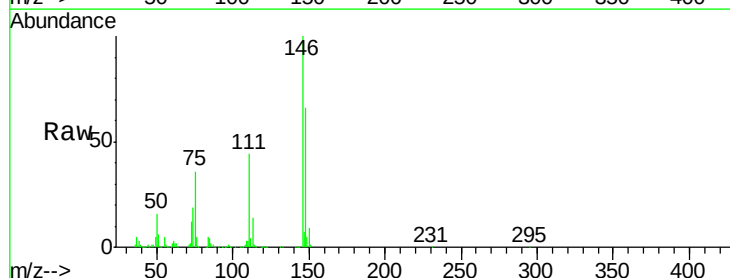
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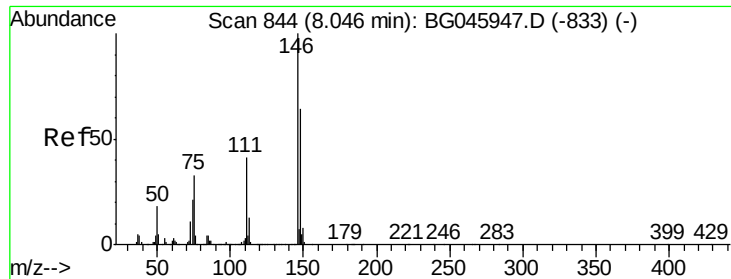
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.163 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	146	Resp	387457
Ion Ratio	Lower	Upper	
146	100		
148	65.6	52.8	79.2
75	35.9	27.2	40.8





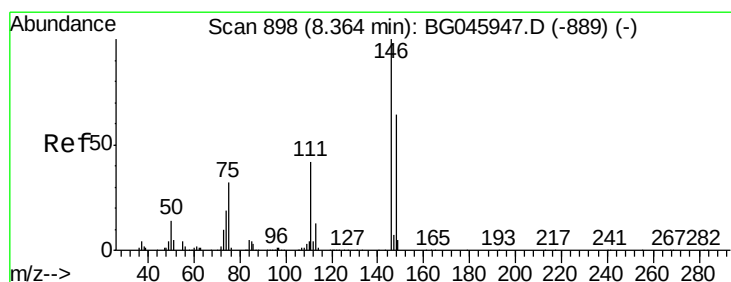
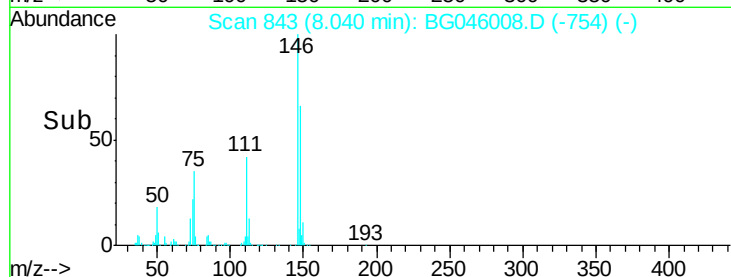
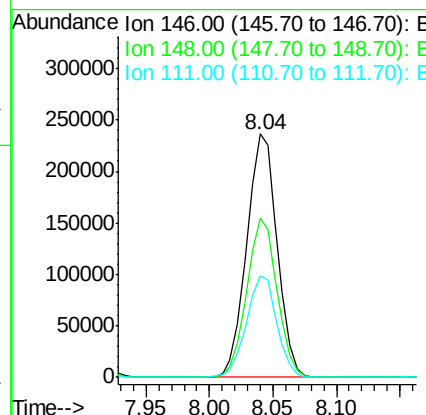
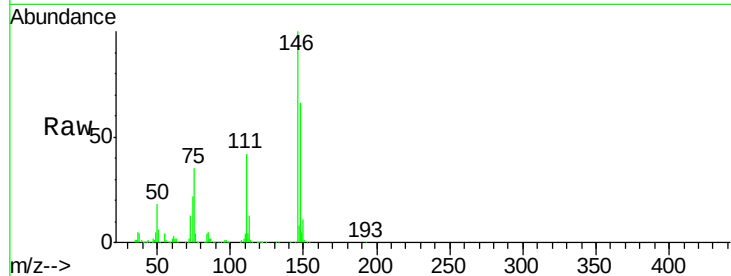
#13
1,4-Dichlorobenzene
Concen: 44.538 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.7	77.5
111	41.5	33.3	49.9

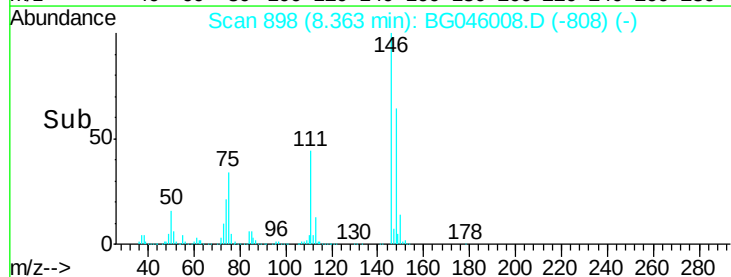
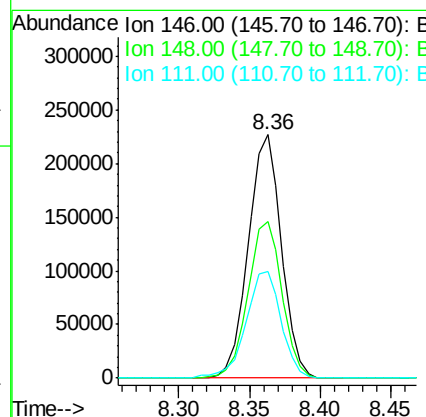
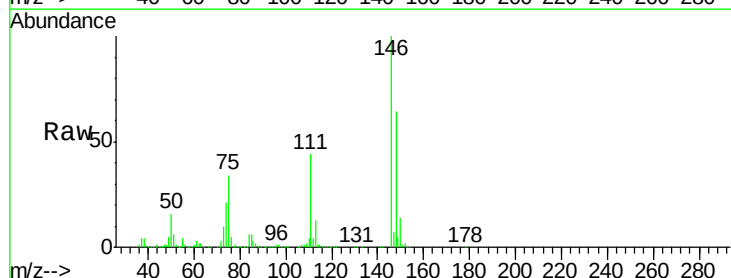
Manual Integrations
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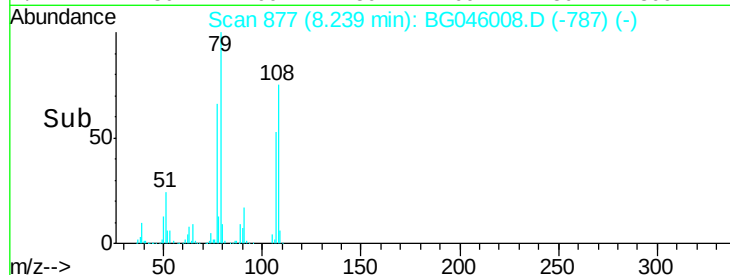
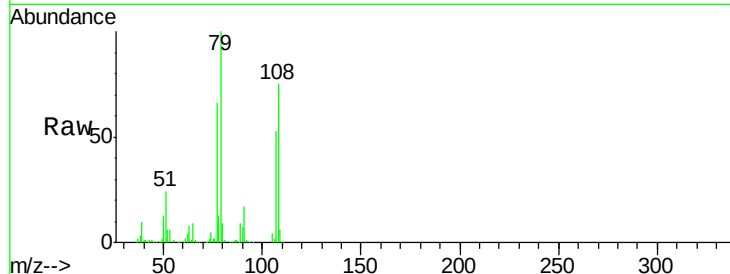
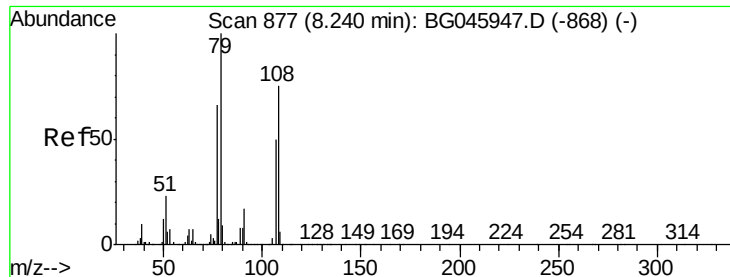
mohammad
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#14
1,2-Dichlorobenzene
Concen: 43.885 ng
RT: 8.36 min Scan# 898
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
111	43.6	34.0	51.0





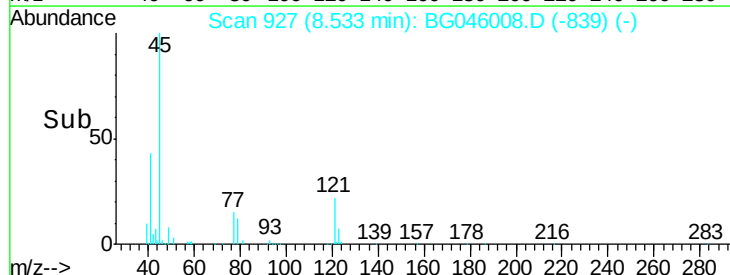
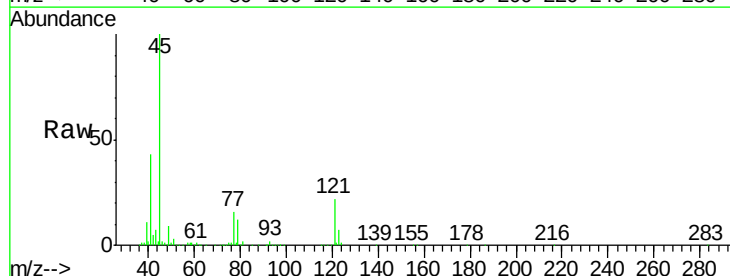
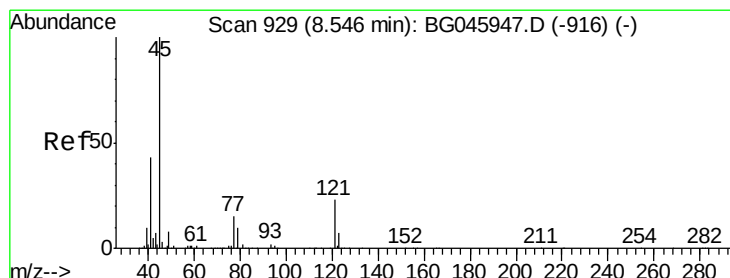
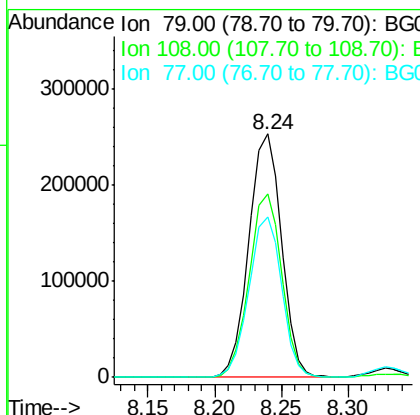
#15
Benzyl Alcohol
Concen: 52.502 ng
RT: 8.24 min Scan# 877
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.2	90.4
77	66.1	52.9	79.3

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

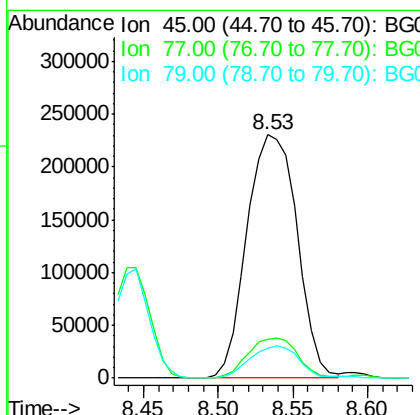
Manual Integrations
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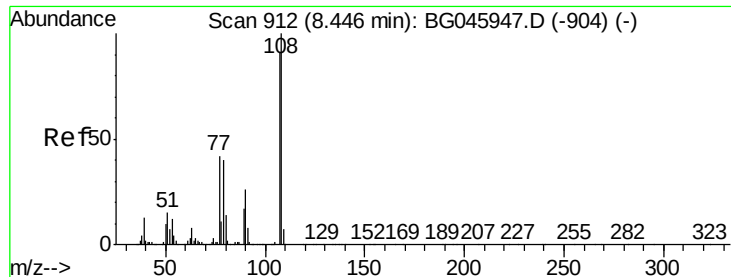
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.564 ng
RT: 8.53 min Scan# 927
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	37.6
79	12.3	0.0	32.6





#17

2-Methylphenol

Concen: 46.657 ng

RT: 8.44 min Scan# 912

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

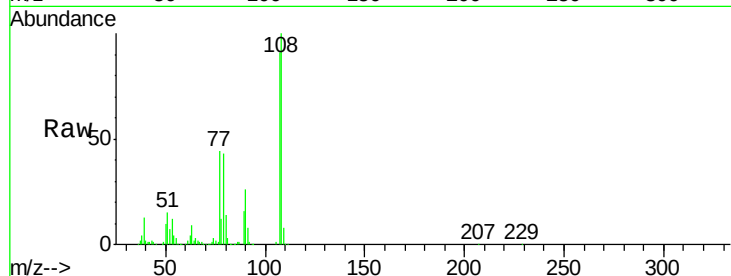
ClientSampleId :

MH-D19MSD

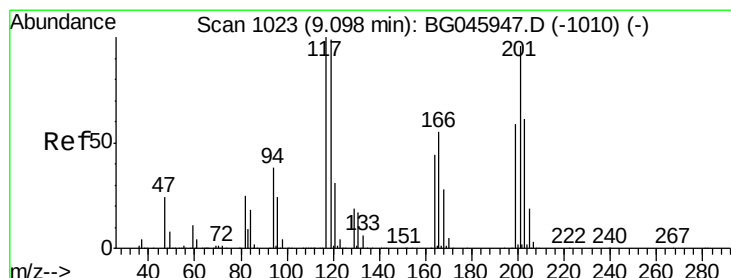
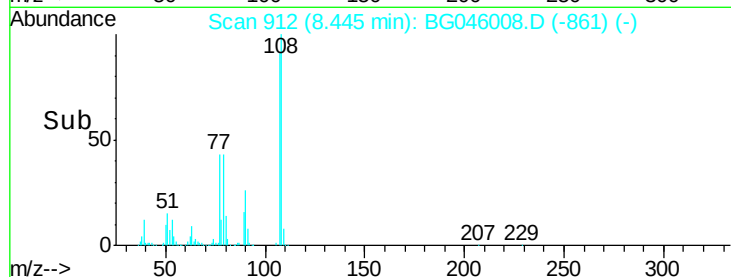
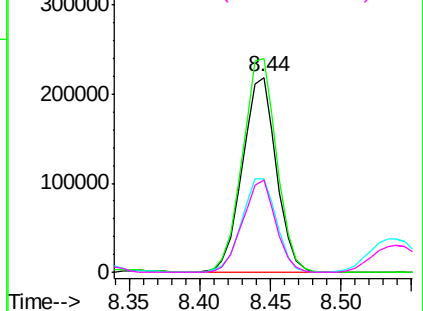
Tot Ion	107	Resp	365783
Ion Ratio	Lower	Upper	
107	100		
108	109.6	88.2	132.4
77	47.7	37.0	55.4
79	47.0	35.4	53.0

Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 43.688 ng

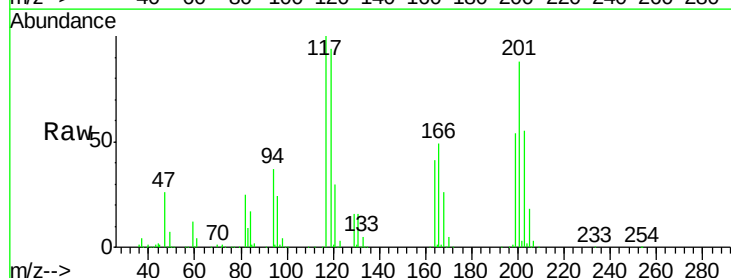
RT: 9.09 min Scan# 1022

Delta R.T. -0.01 min

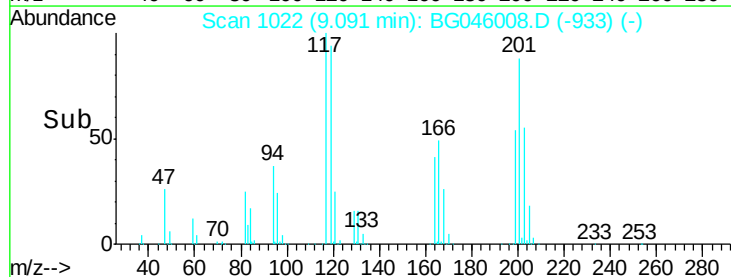
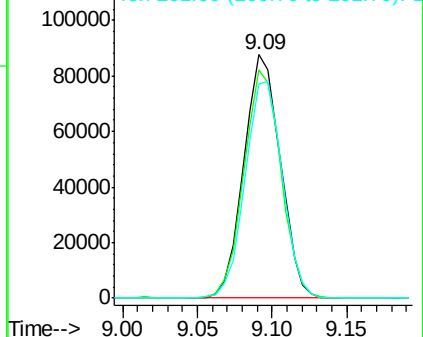
Lab File: BG046008.D

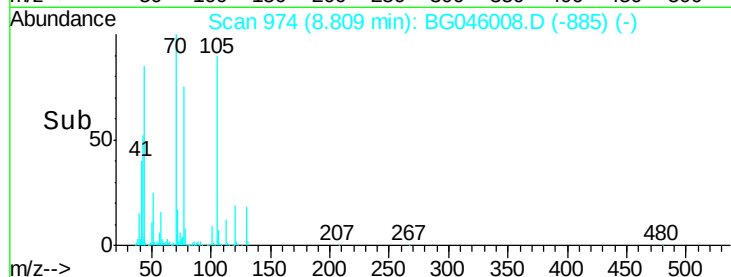
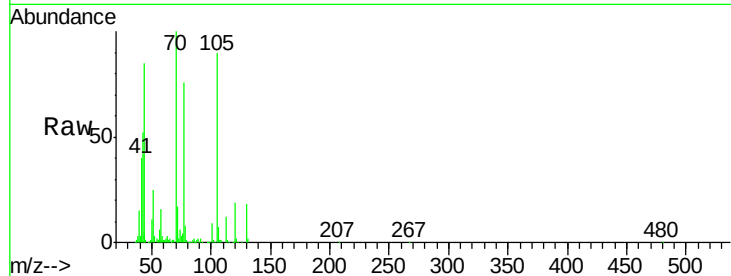
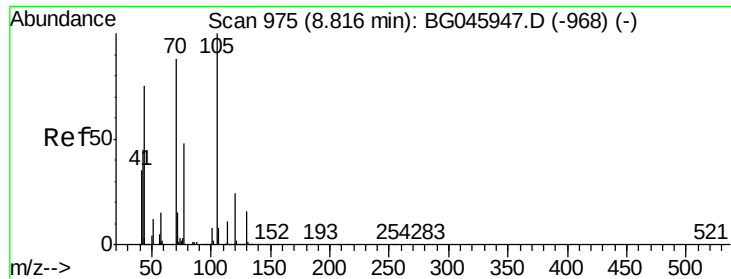
Acq: 10 Jul 2020 15:48

Tgt Ion	117	Resp	148439
Ion Ratio	Lower	Upper	
117	100		
119	93.6	79.5	119.3
201	88.0	77.0	115.4



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





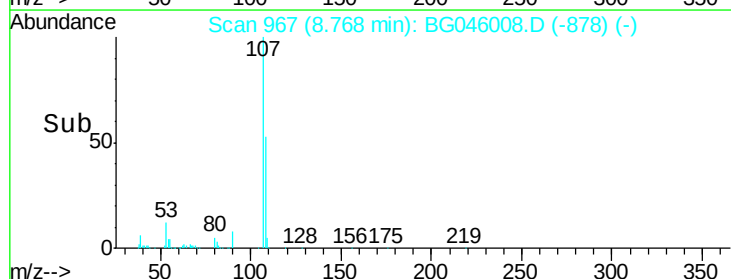
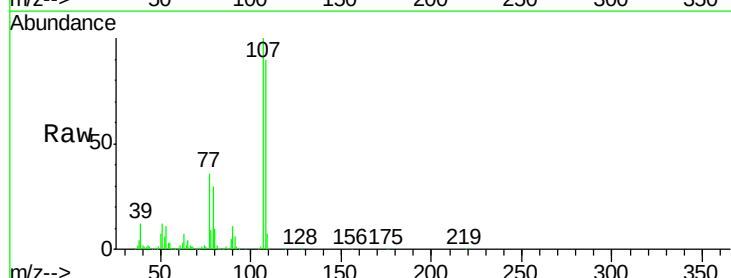
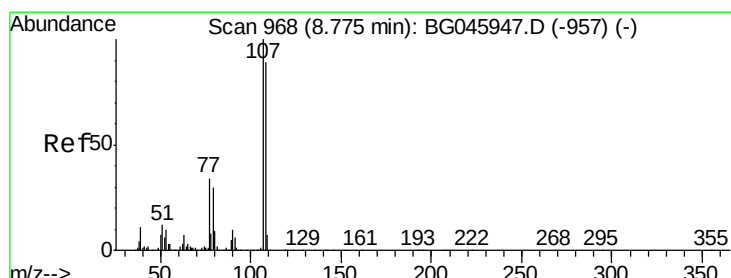
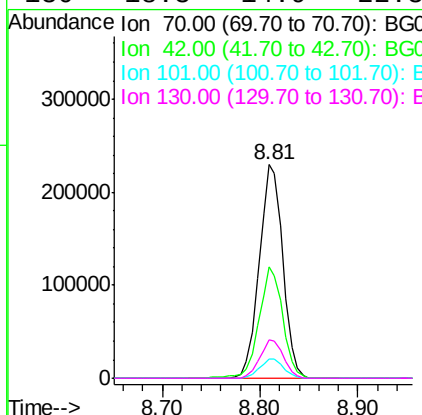
#19
n-Nitroso-di-n-propylamine
Concen: 53.421 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		390884		
42	52.3	41.4	62.0		
101	9.1	7.1	10.7		
130	18.3	14.9	22.3		

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

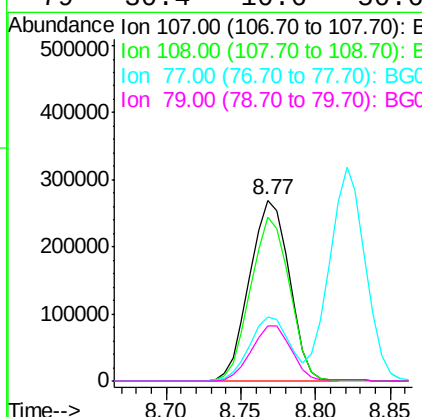
Manual Integrations
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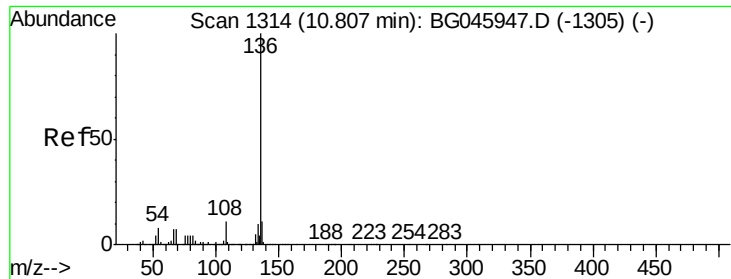
mohammad
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#20
3+4-Methylphenols
Concen: 46.600 ng
RT: 8.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		497906		
108	90.4	68.7	108.7		
77	35.7	14.6	54.6		
79	30.4	10.6	50.6		





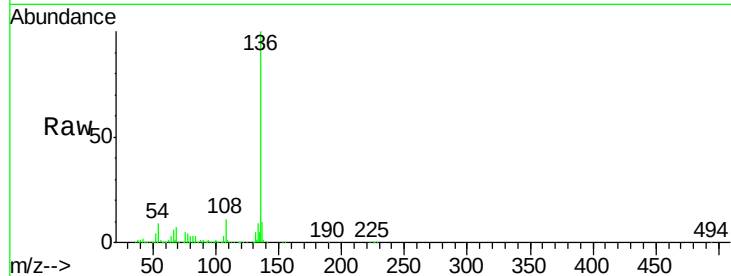
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		488887		
137	10.5		9.2	13.8	
54	9.2		6.2	9.4	
68	6.9		5.8	8.8	

Manual Integrations
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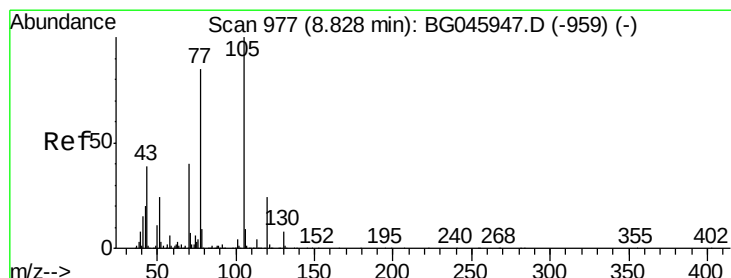
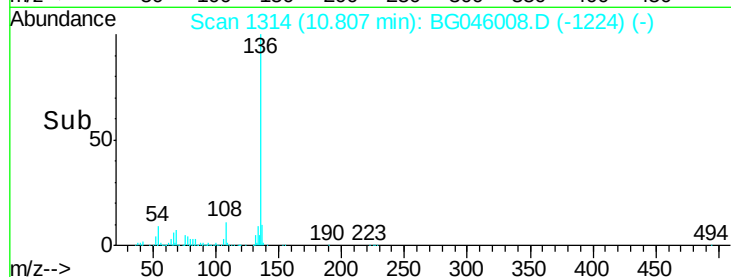
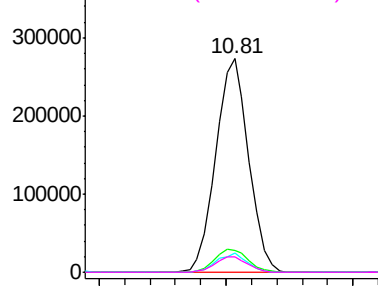
Abundance

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: 49.461 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		645995		
71	7.0		6.2	9.2	
51	26.1		19.7	29.5	
120	23.5		19.2	28.8	

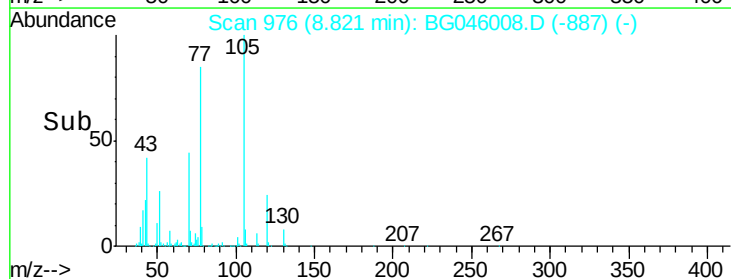
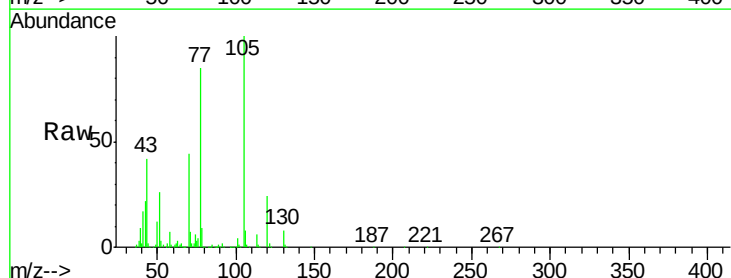
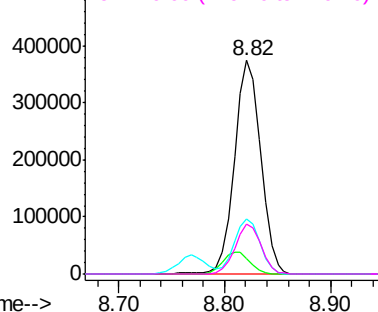
Abundance

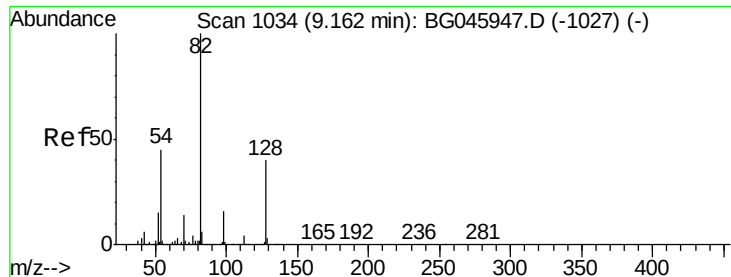
Ion 105.00 (104.70 to 105.70): E

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





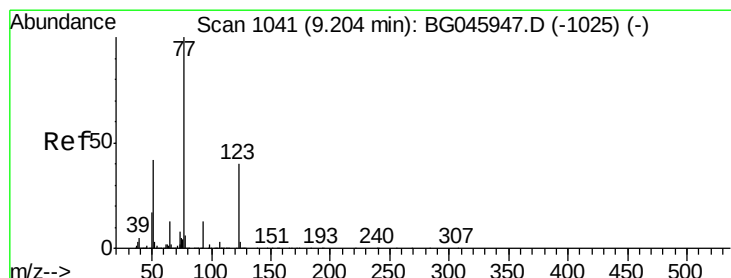
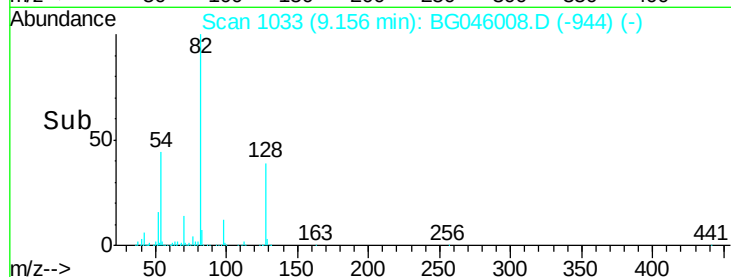
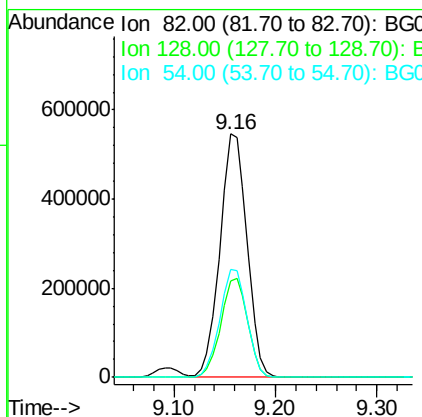
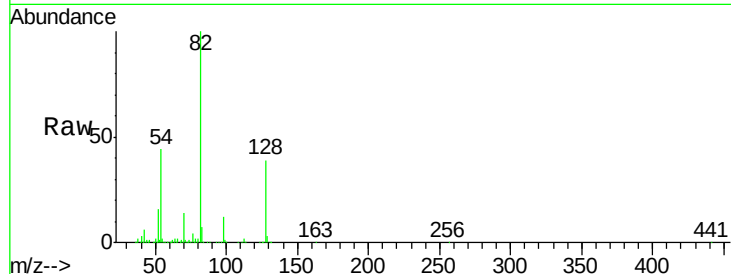
#23
Nitrobenzene-d5
Concen: 118.819 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	82	Resp	1009227
Ion	Ratio	Lower	Upper
82	100		
128	39.4	32.2	48.4
54	44.5	35.8	53.6

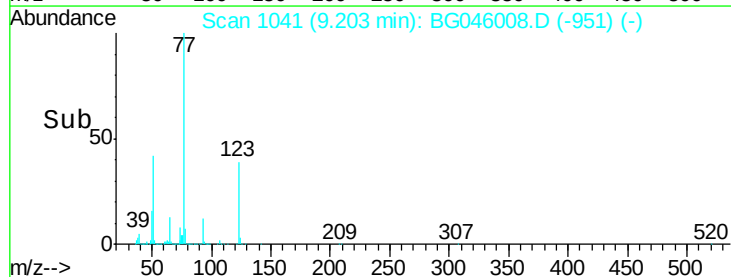
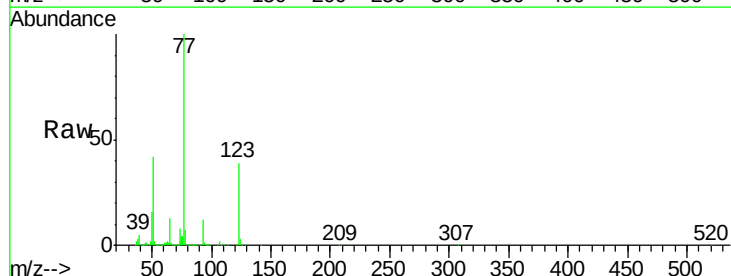
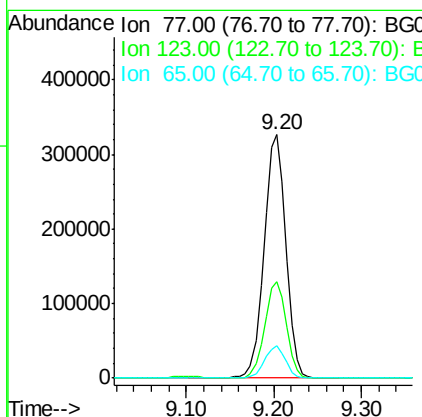
Manual Integrations
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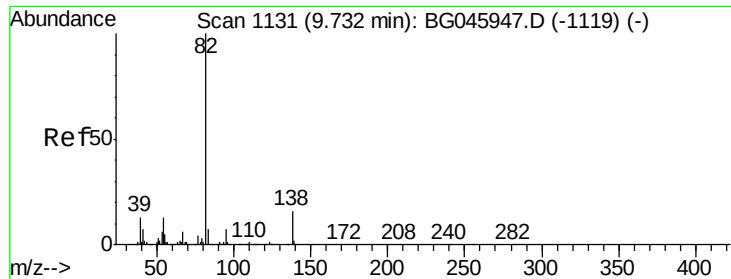
mohammad
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#24
Nitrobenzene
Concen: 59.572 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	77	Resp	558483
Ion	Ratio	Lower	Upper
77	100		
123	39.4	32.7	49.1
65	13.1	10.2	15.4





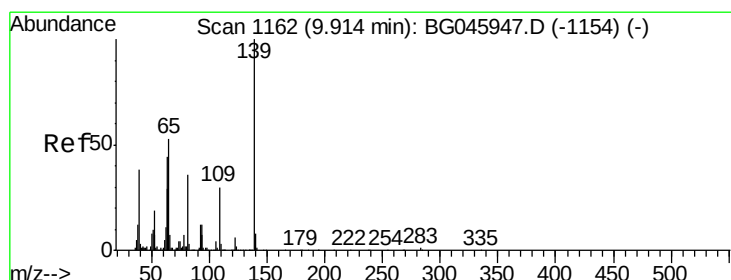
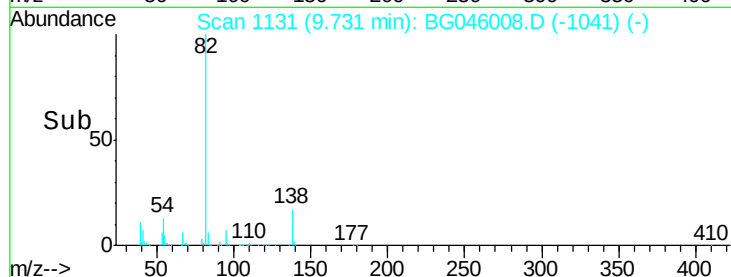
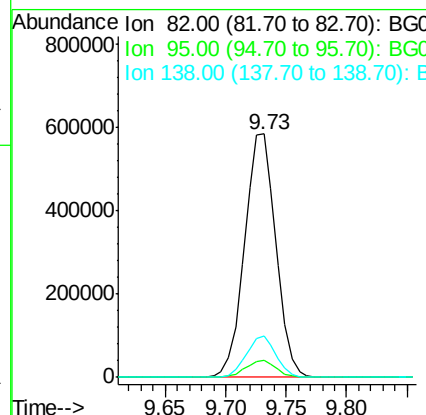
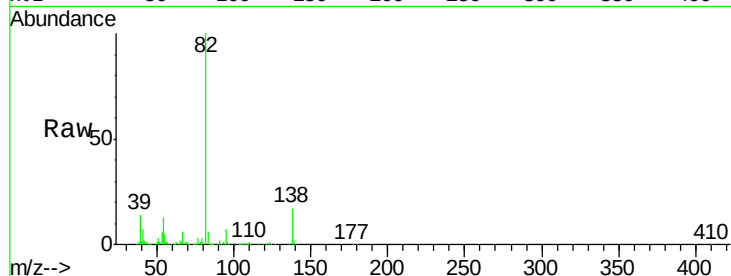
#25
Isophorone
Concen: 50.792 ng
RT: 9.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.6
138	17.2	12.9	19.3

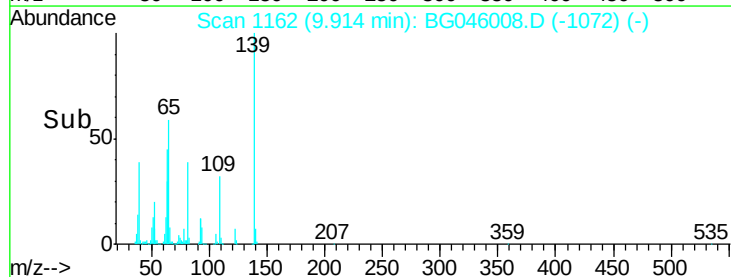
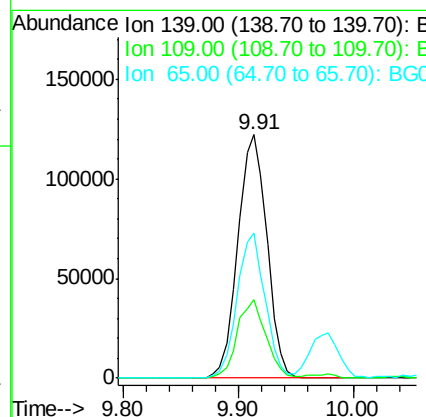
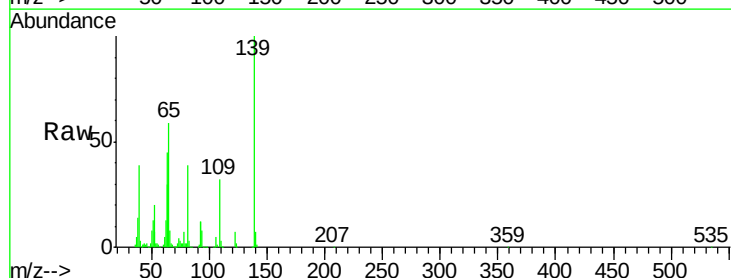
Manual Integrations
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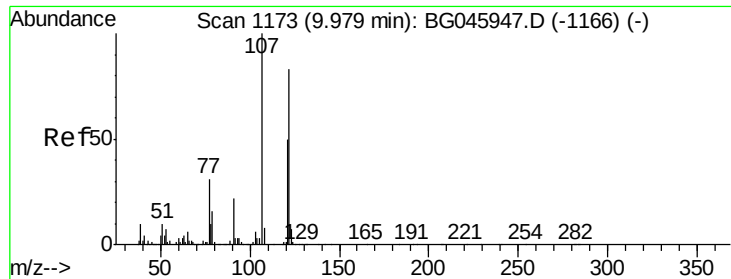
mohammad
7/13/2020 1:03:57 PM



#26
2-Nitrophenol
Concen: 69.591 ng
RT: 9.91 min Scan# 1162
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	32.4	24.6	37.0
65	59.5	42.6	64.0





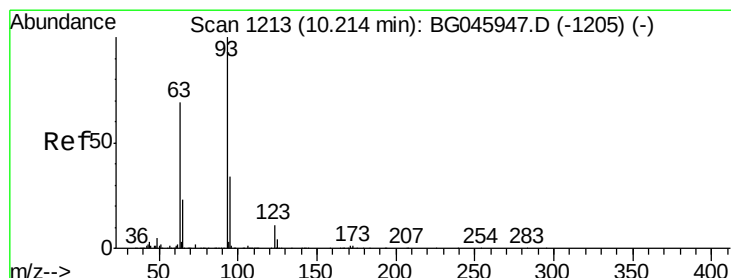
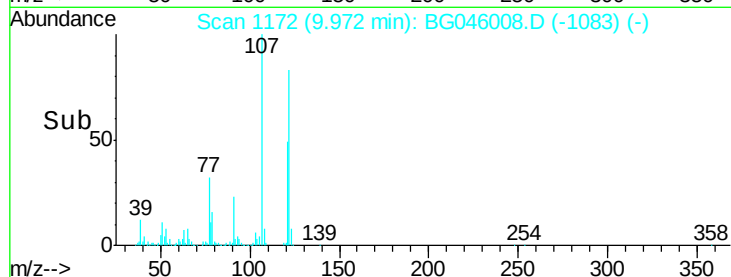
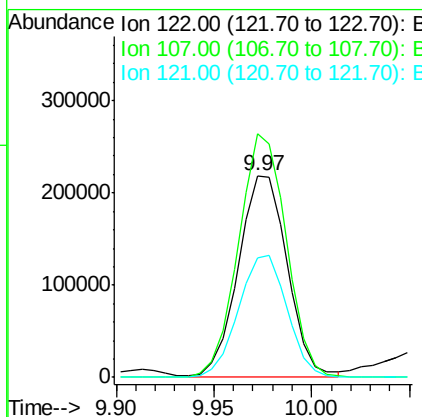
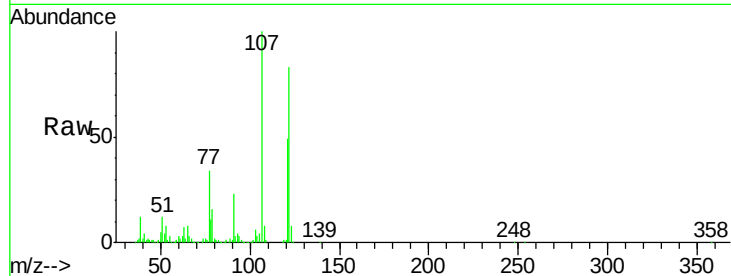
#27
2,4-Dimethylphenol
Concen: 51.215 ng
RT: 9.97 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	377999		
107	120.8	95.6	143.4	
121	59.5	47.7	71.5	

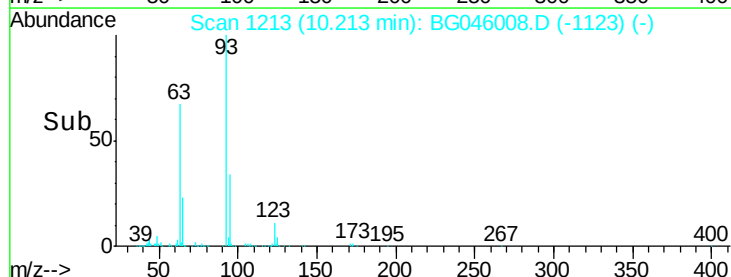
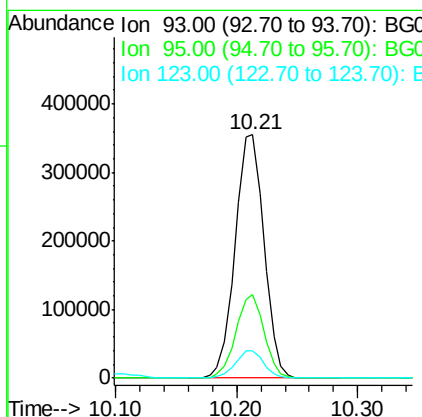
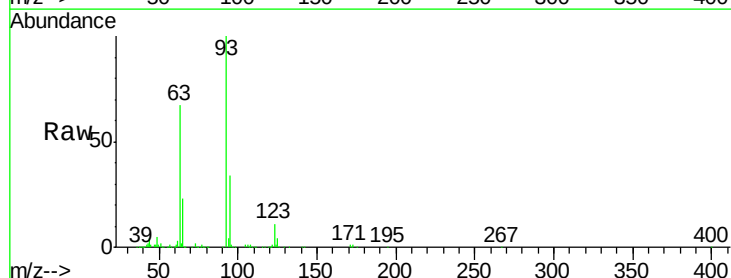
Manual Integrations
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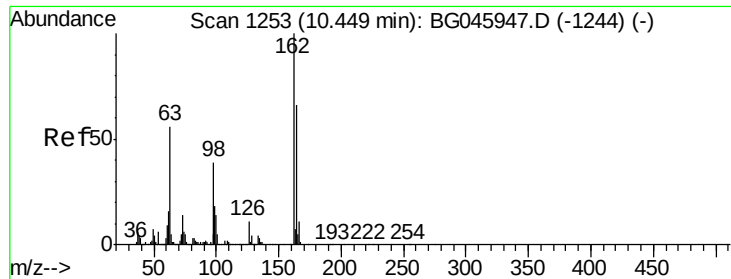
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 51.121 ng
RT: 10.21 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	595247		
95	34.3	27.5	41.3	
123	11.0	9.2	13.8	





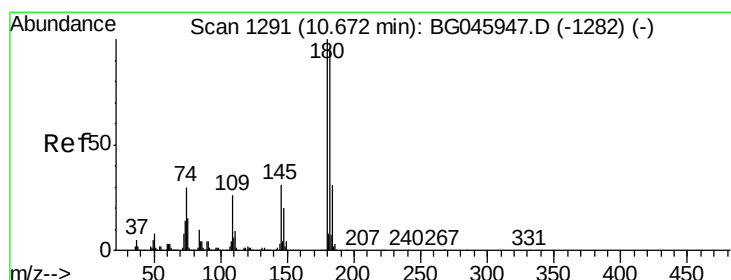
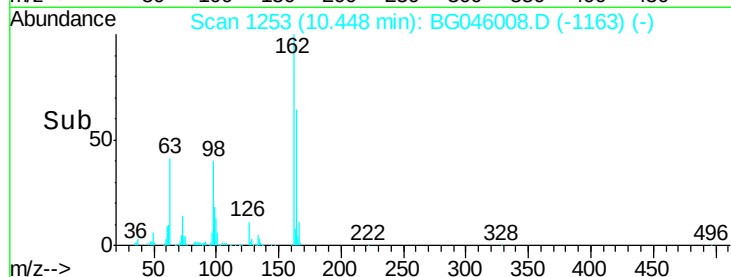
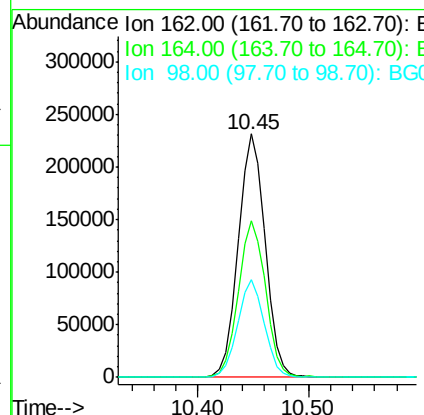
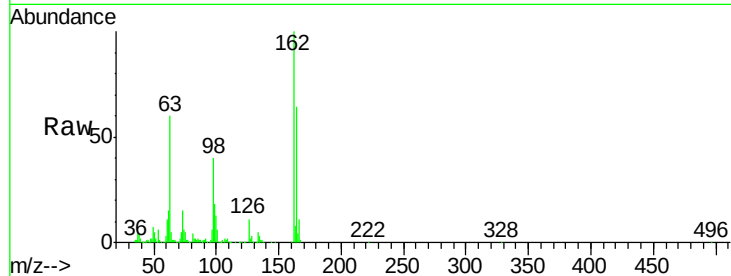
#29
2,4-Dichlorophenol
Concen: 51.857 ng
RT: 10.45 min Scan# 1253
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	396204		
164	64.1	46.0	86.0	
98	40.2	19.2	59.2	

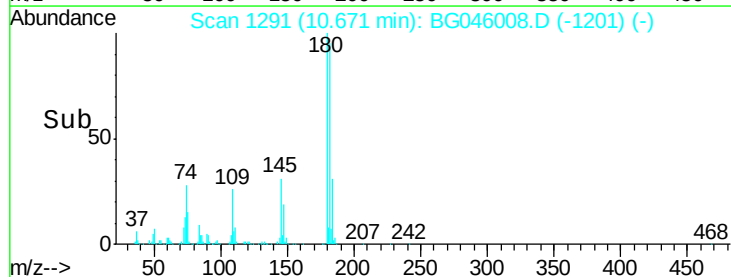
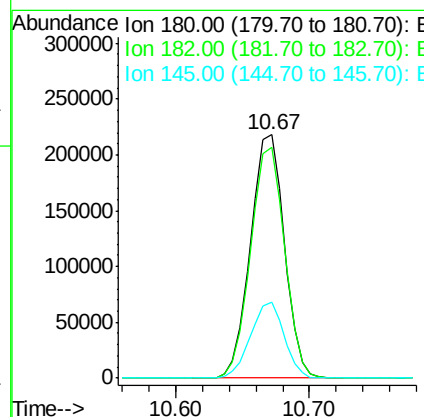
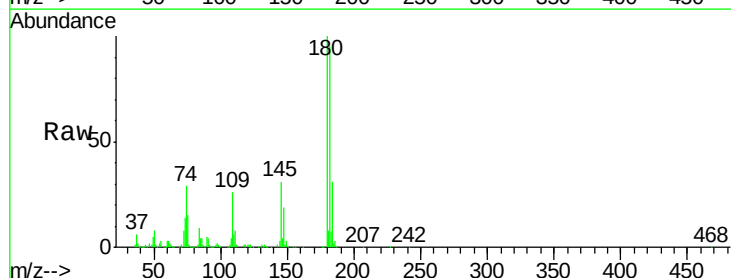
Manual Integrations
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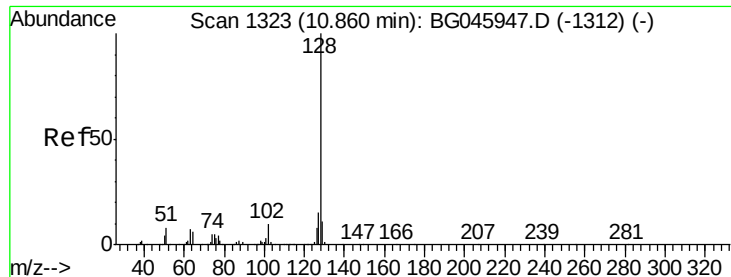
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#30
1,2,4-Trichlorobenzene
Concen: 45.044 ng
RT: 10.67 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	381327		
182	94.6	76.3	114.5	
145	31.4	24.8	37.2	





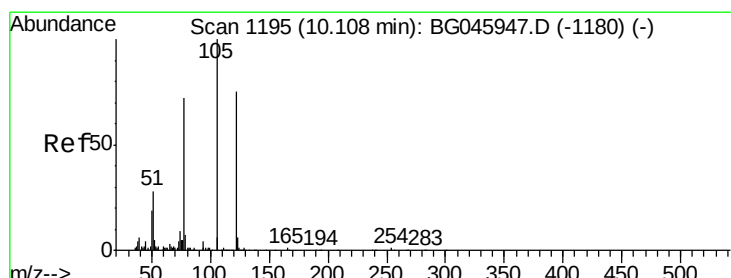
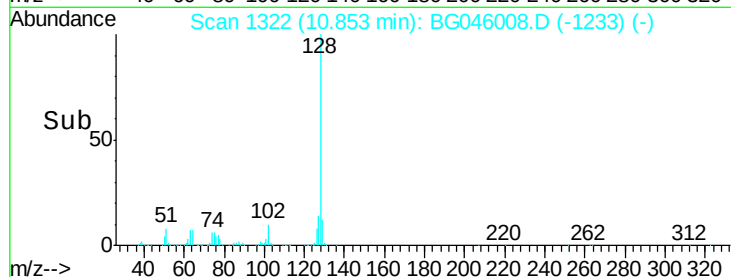
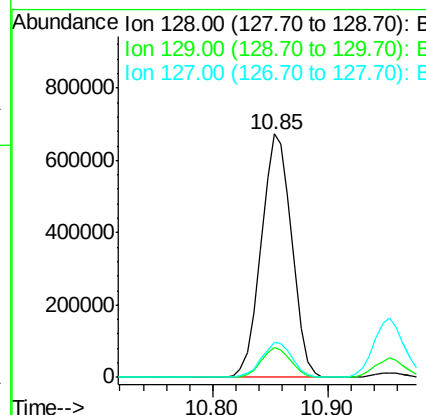
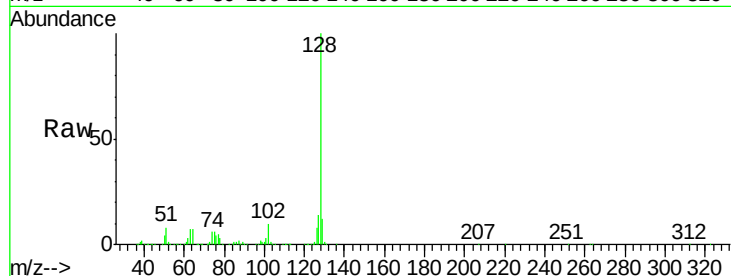
#31
Naphthalene
Concen: 47.083 ng
RT: 10.85 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8
127	14.3	11.8	17.6

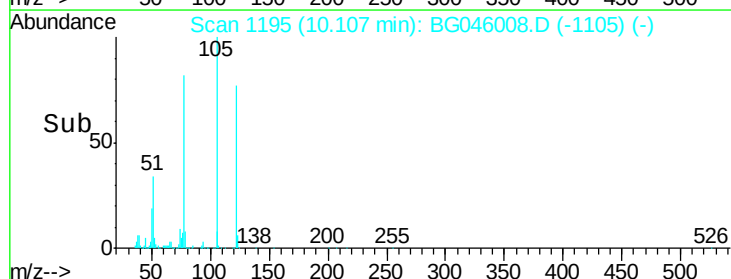
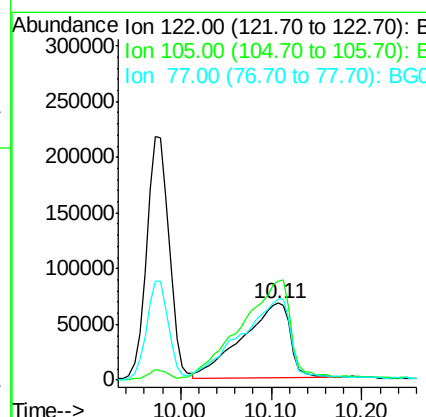
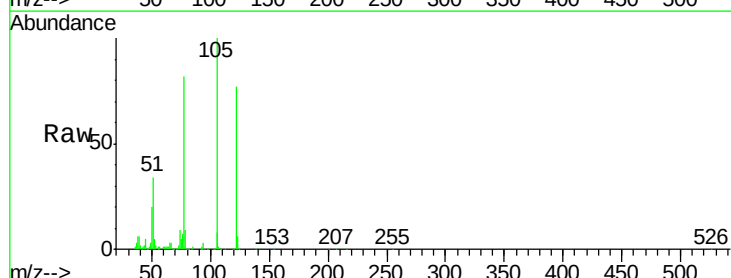
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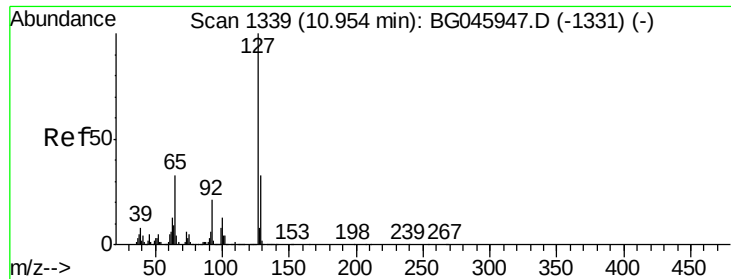
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#32
Benzoic acid
Concen: 55.142 ng
RT: 10.11 min Scan# 1195
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	129.1	110.8	150.8
77	106.0	76.4	116.4





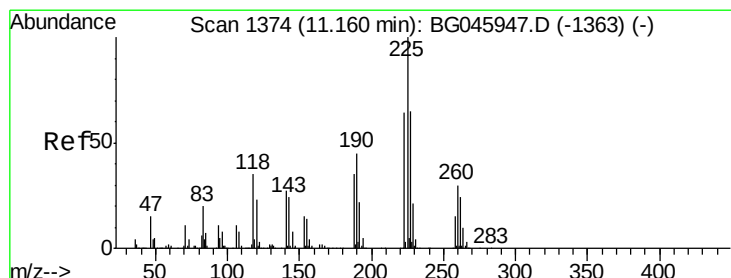
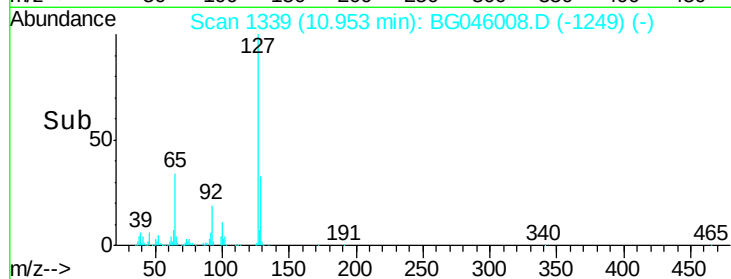
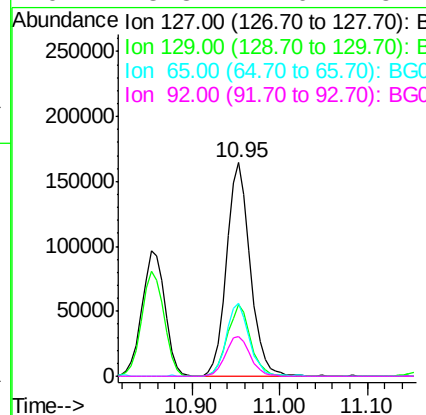
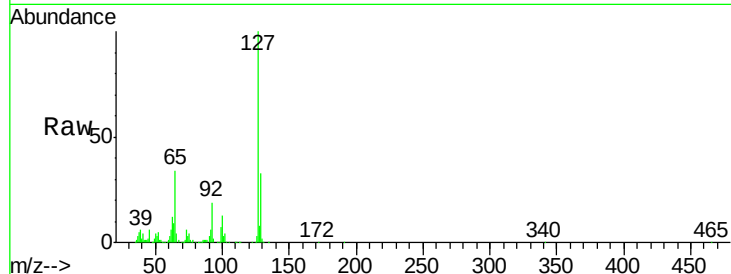
#33
4-Chloroaniline
Concen: 26.066 ng
RT: 10.95 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		305271		
129	33.3	26.6	39.8		
65	34.1	26.8	40.2		
92	18.8	17.0	25.4		

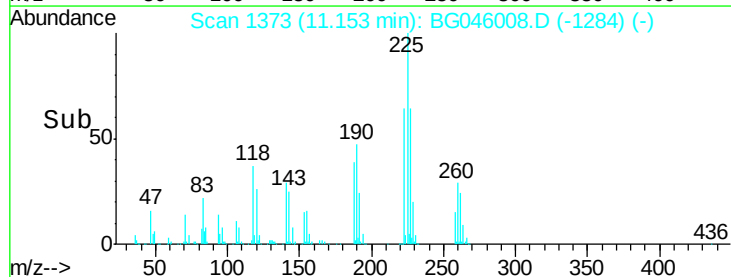
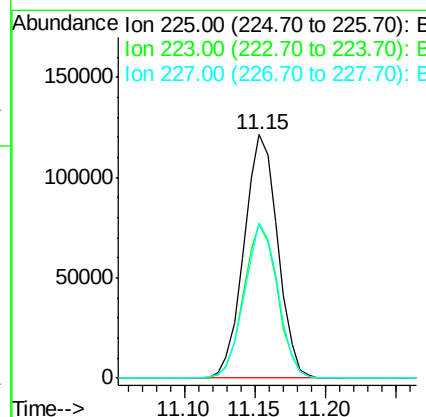
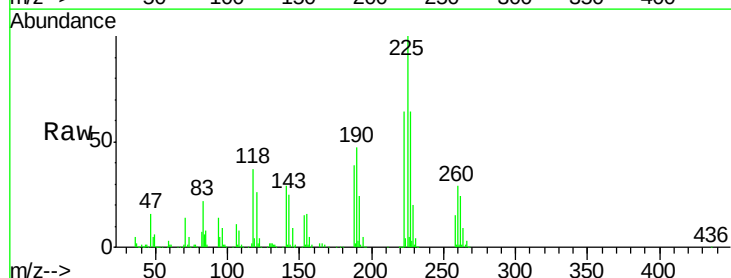
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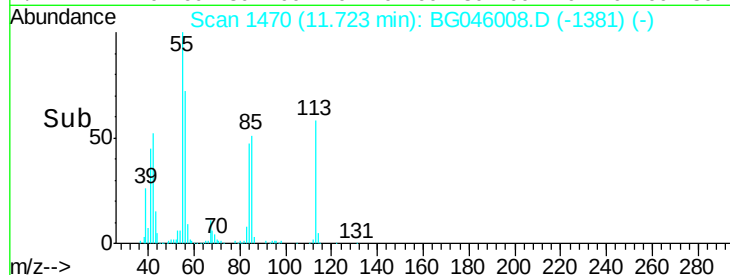
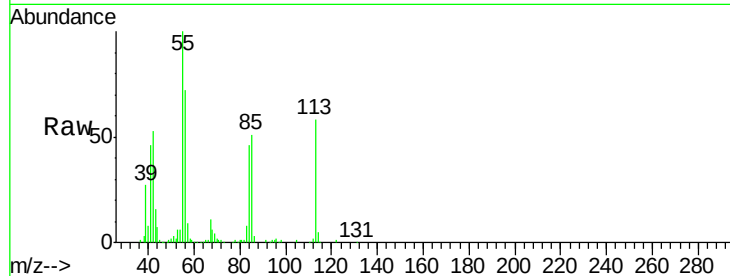
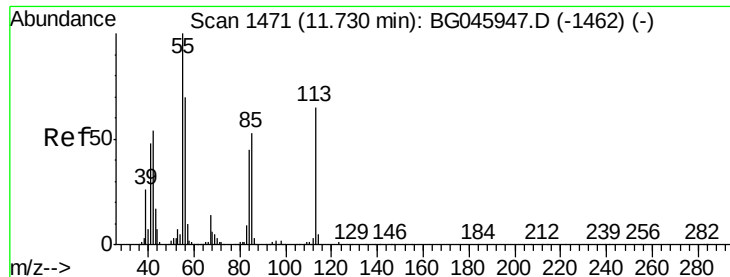
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#34
Hexachlorobutadiene
Concen: 41.024 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		202779		
223	63.5	51.2	76.8		
227	64.0	52.3	78.5		





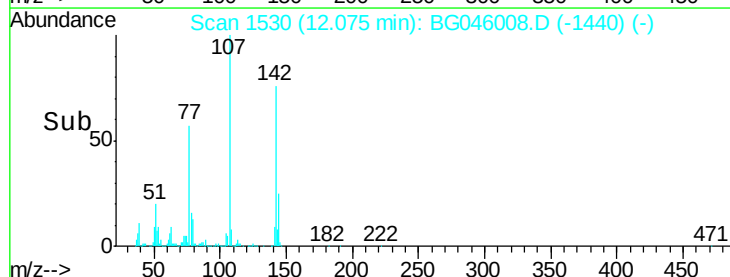
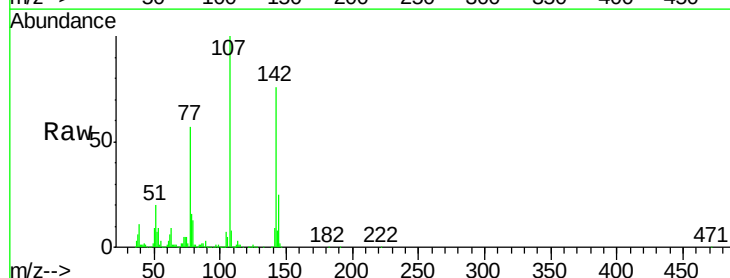
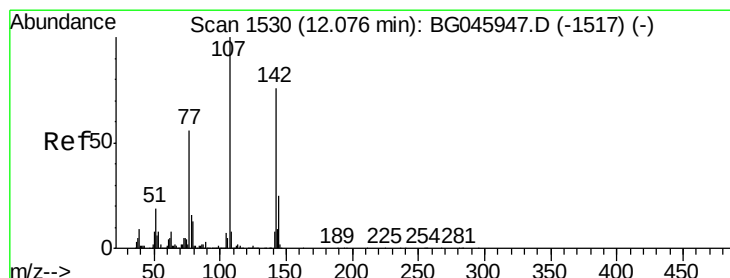
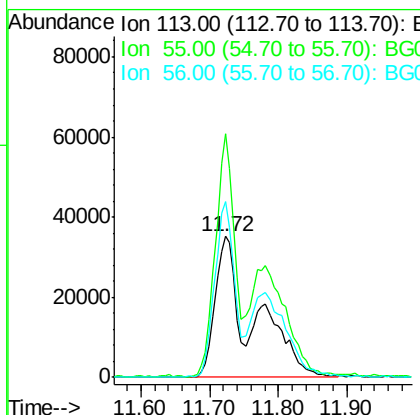
#35
Caprolactam
Concen: 46.016 ng/ml
RT: 11.72 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	172.7	141.6	181.6
56	124.8	89.6	129.6

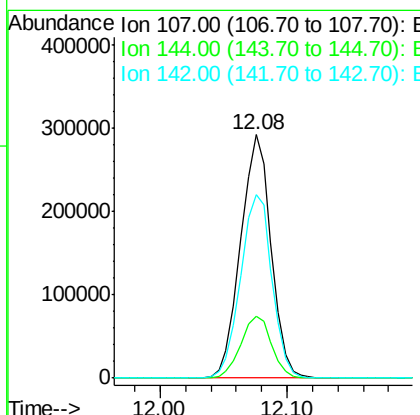
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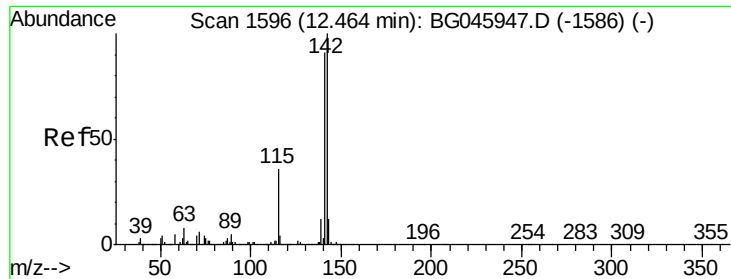
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#36
4-Chloro-3-methylphenol
Concen: 55.886 ng/ml
RT: 12.08 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	75.5	61.1	91.7





#37

2-Methylnaphthalene

Concen: 50.268 ng

RT: 12.46 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

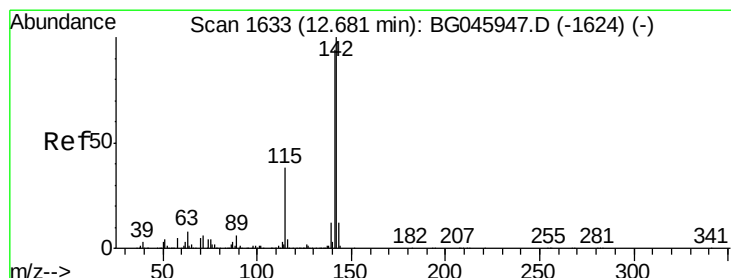
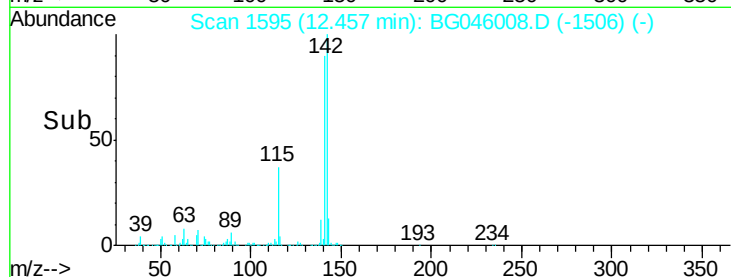
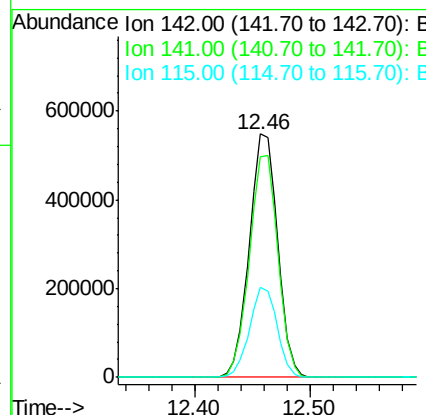
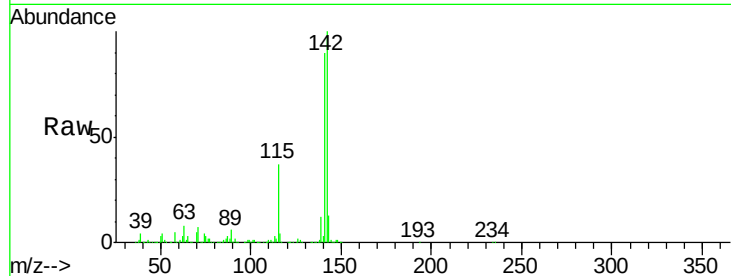
ClientSampleId :

MH-D19MSD

Tot Ion:	142	Resp:	936513
Ion Ratio	Lower	Upper	
142	100		
141	90.5	73.0	109.6
115	37.2	28.8	43.2

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#38

1-Methylnaphthalene

Concen: 51.318 ng

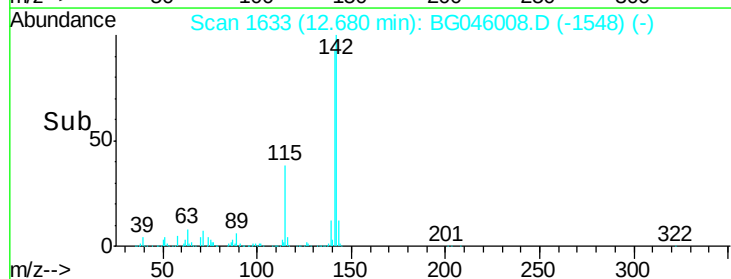
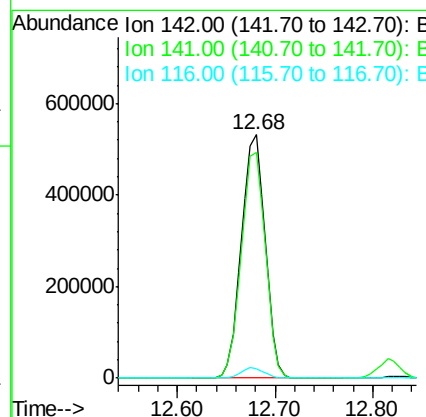
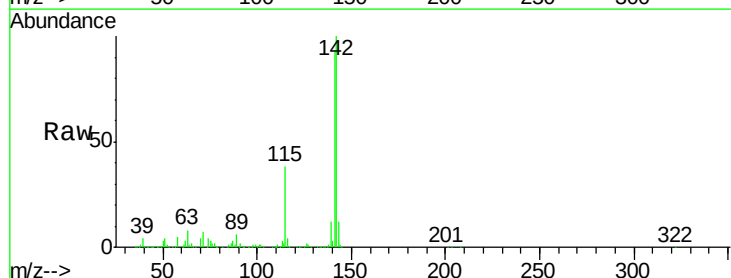
RT: 12.68 min Scan# 1633

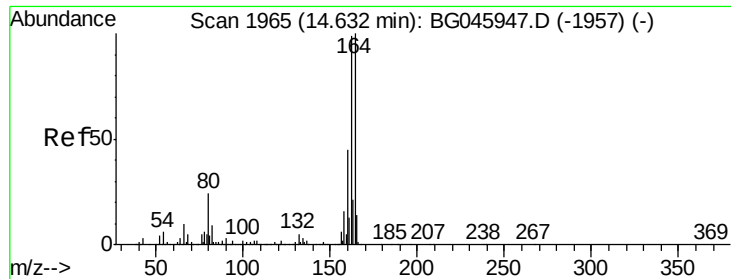
Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion:	142	Resp:	902285
Ion Ratio	Lower	Upper	
142	100		
141	92.8	75.2	112.8
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

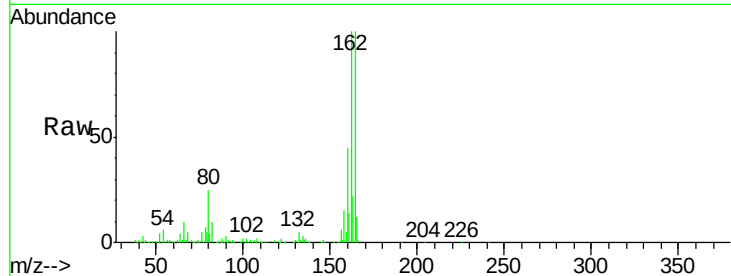
ClientSampleId :

MH-D19MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.3	118.9
160	45.3	35.7	53.5

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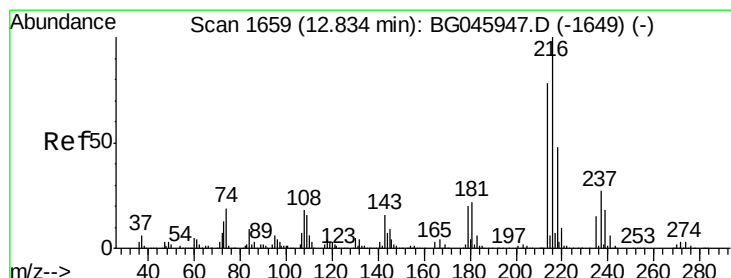
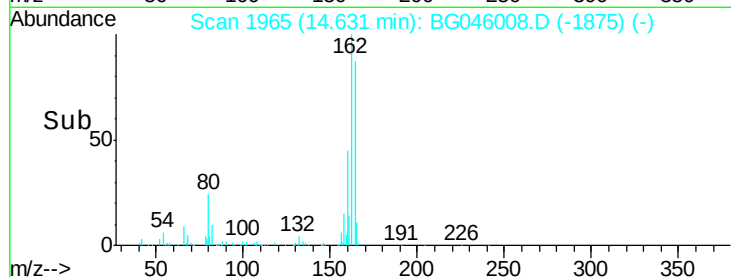
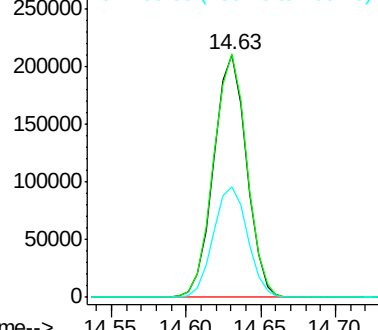


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.099 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.0	94.4
179	22.0	17.0	25.6
108	24.2	17.3	25.9

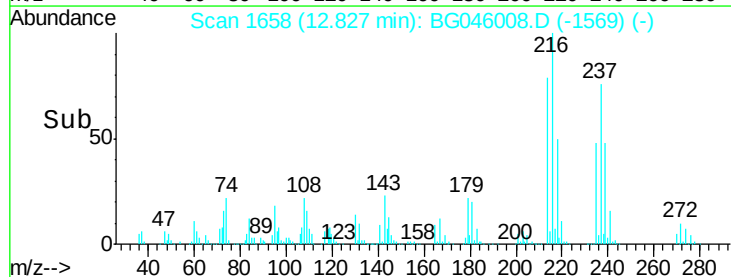
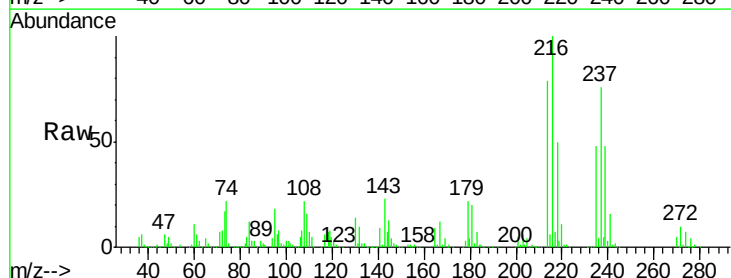
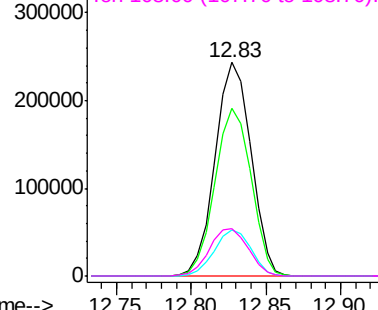
Abundance

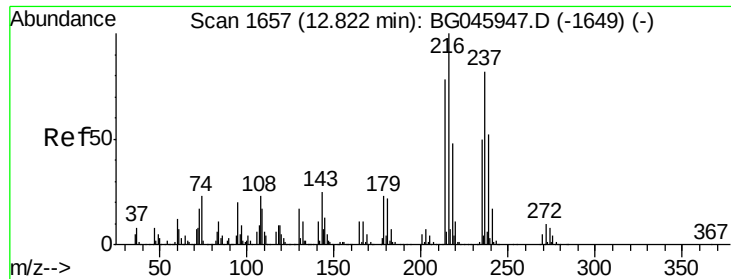
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





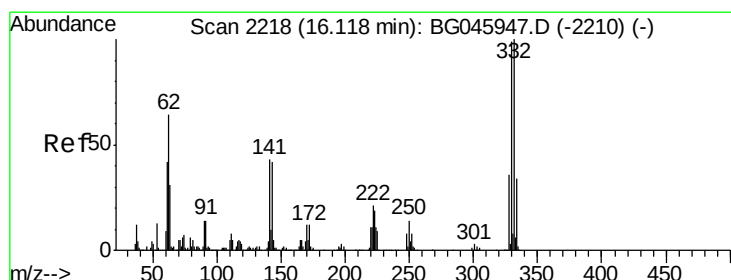
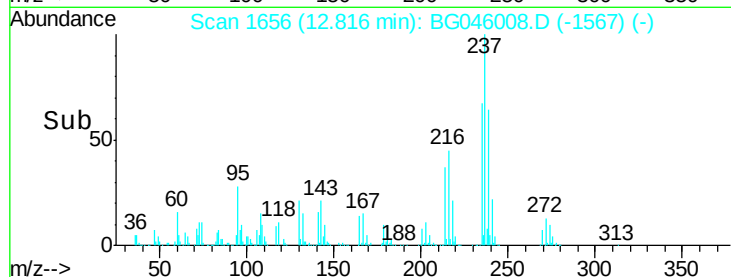
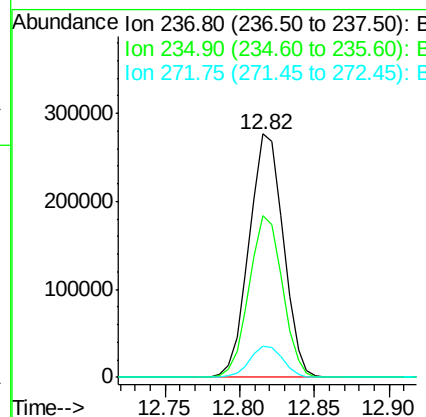
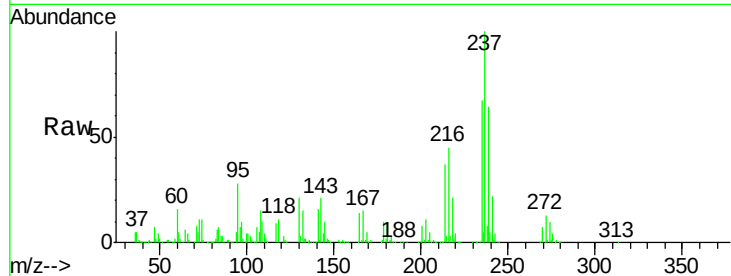
#41
Hexachlorocyclopentadiene
Concen: 82.213 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	66.6	41.5	81.5
272	12.6	0.0	31.7

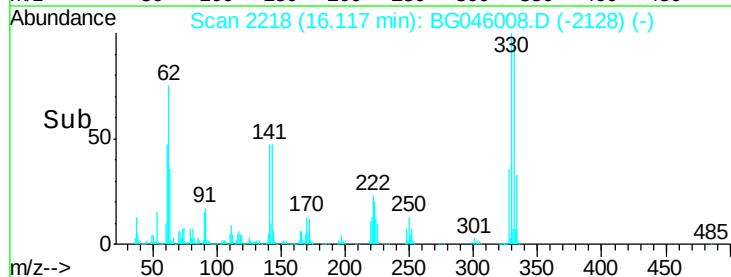
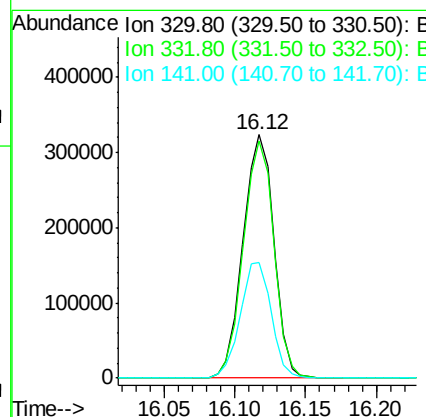
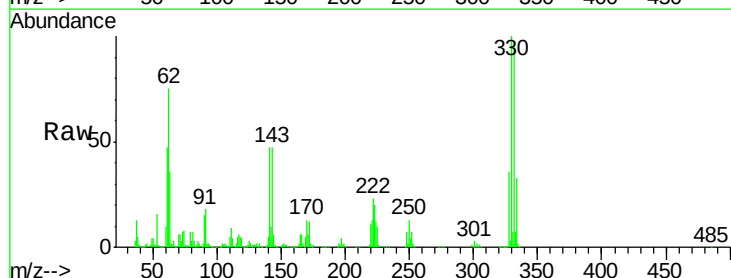
Manual Integrations
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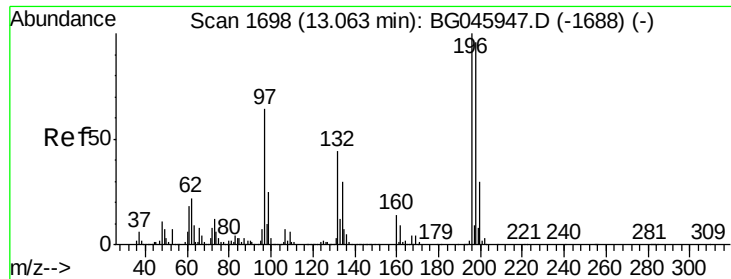
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#42
2,4,6-Tribromophenol
Concen: 167.721 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.3	117.5
141	47.7	36.6	54.8





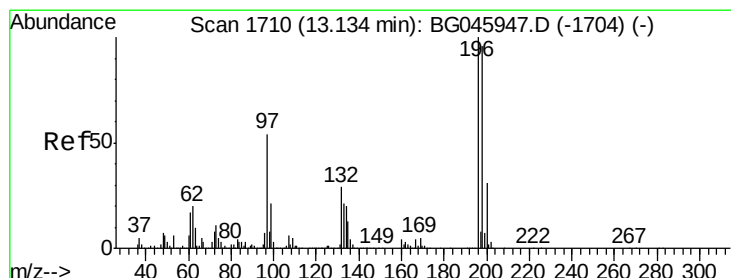
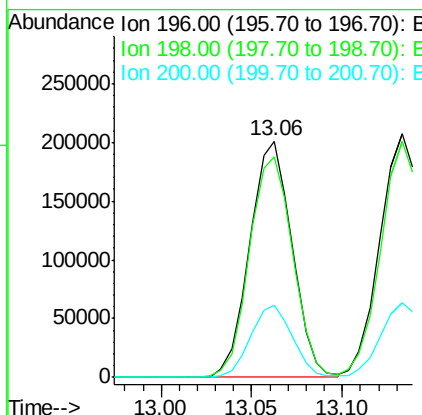
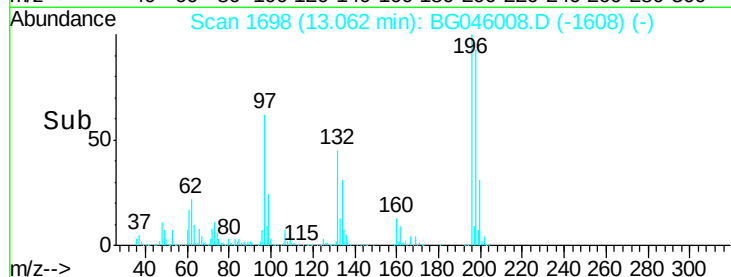
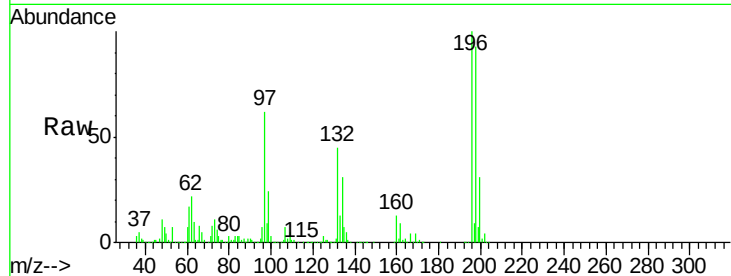
#43
2,4,6-Trichlorophenol
Concen: 53.712 ng
RT: 13.06 min Scan# 1698
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	326795		
198	93.4	76.7	115.1	
200	30.5	24.3	36.5	

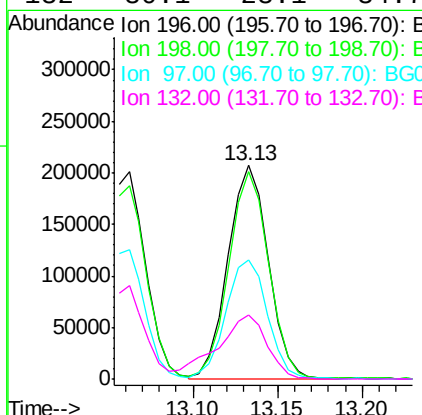
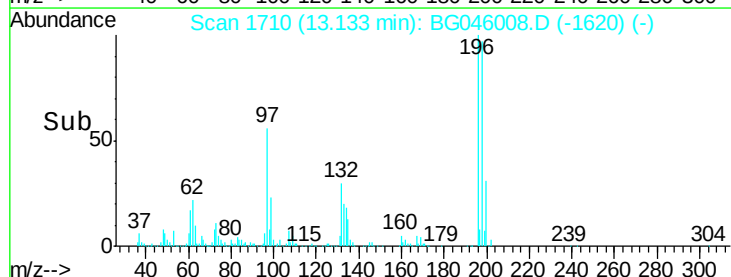
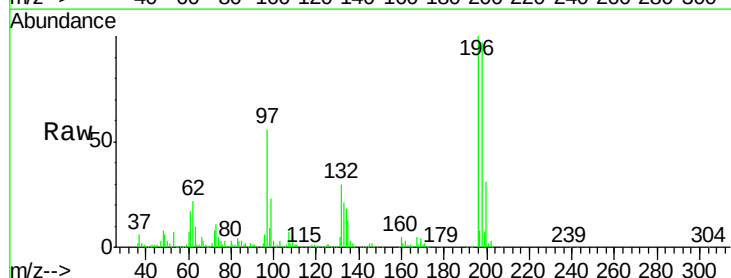
Manual Integrations
APPROVED

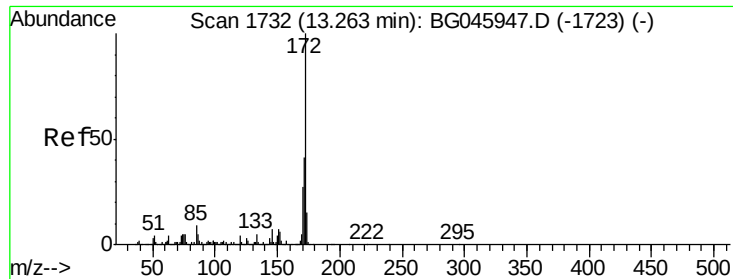
mohammad
7/13/2020 1:03:57 PM



#44
2,4,5-Trichlorophenol
Concen: 49.991 ng
RT: 13.13 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	343898		
198	96.9	77.0	115.6	
97	55.7	44.3	66.5	
132	30.1	23.1	34.7	





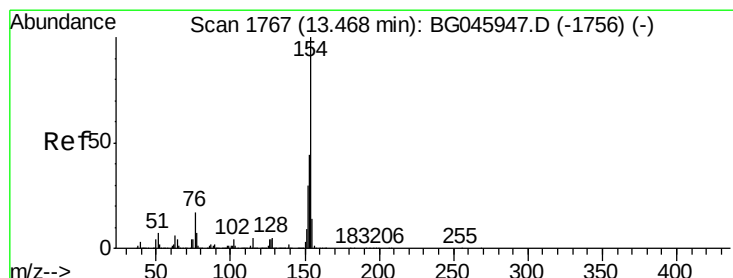
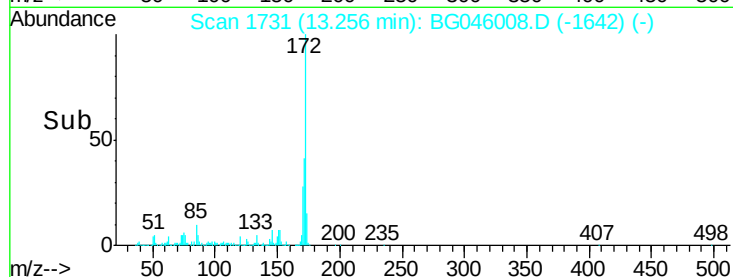
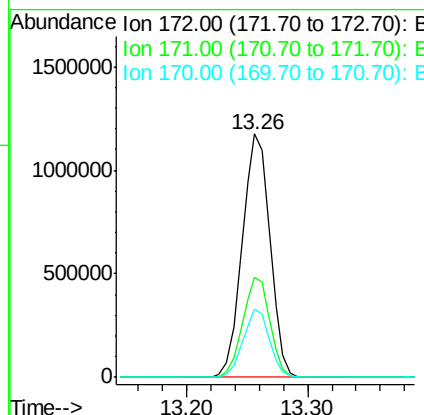
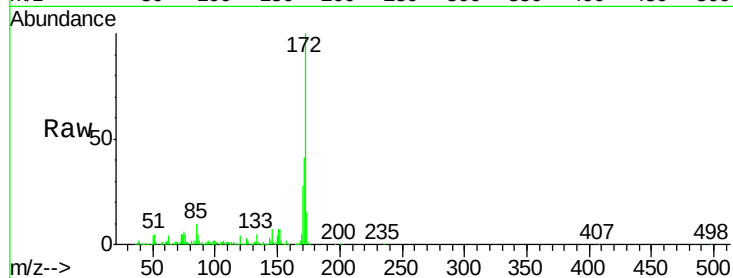
#45
2-Fluorobiphenyl
Concen: 92.101 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.9	32.9	49.3
170	27.8	21.8	32.6

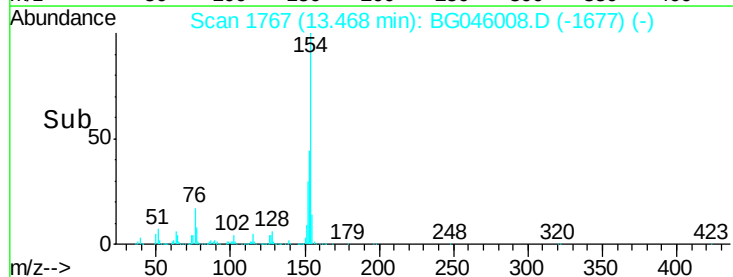
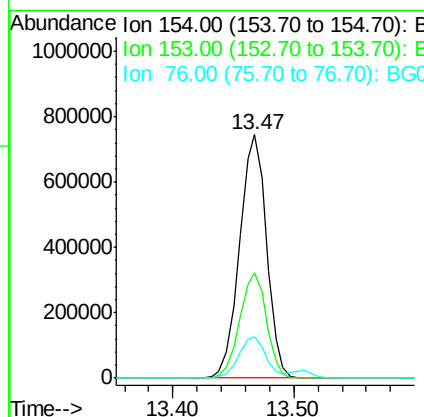
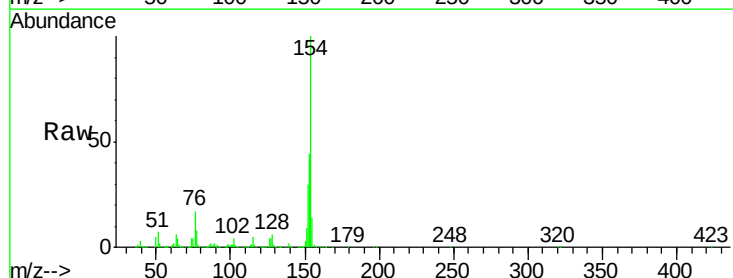
Manual Integrations
APPROVED

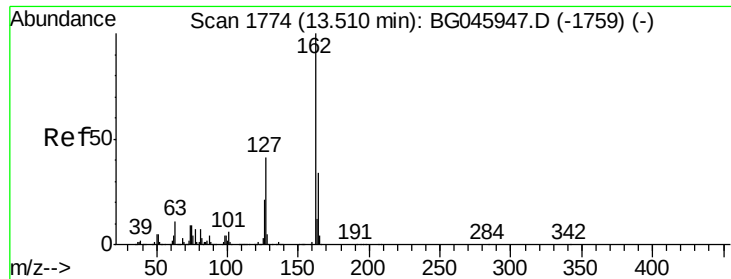
mohammad
7/13/2020 1:03:57 PM



#46
1,1'-Biphenyl
Concen: 48.083 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.5	23.6	63.6
76	17.1	0.0	36.9





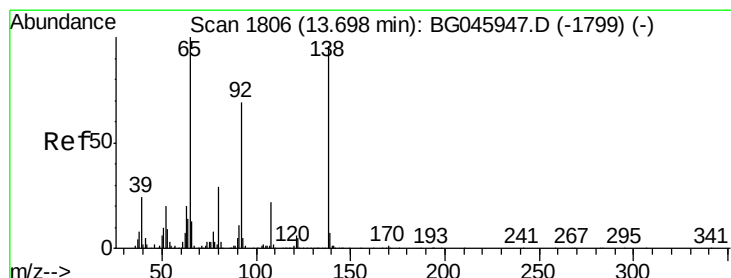
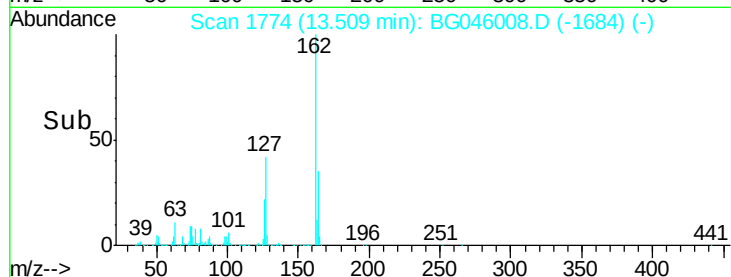
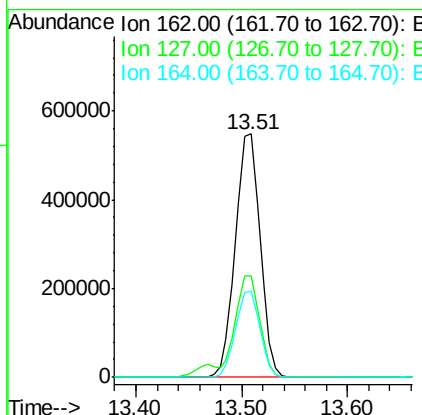
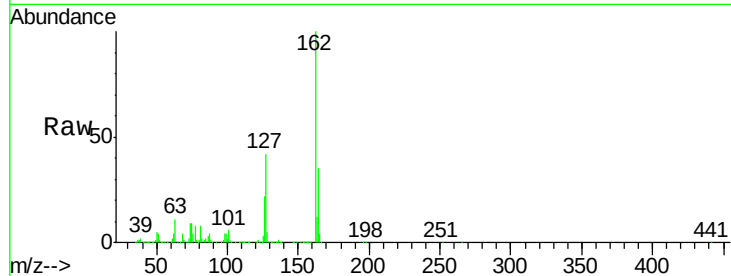
#47
 2-Chloronaphthalene
 Concen: 46.585 ng
 RT: 13.51 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.6	32.5	48.7
164	35.3	27.2	40.8

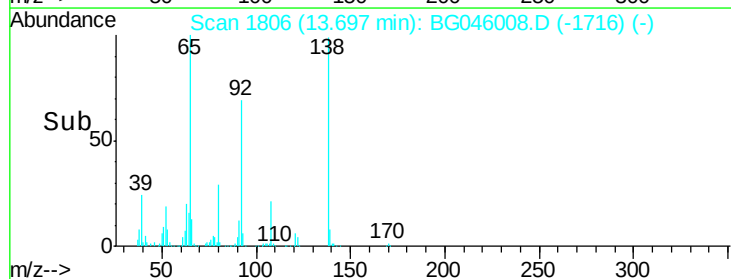
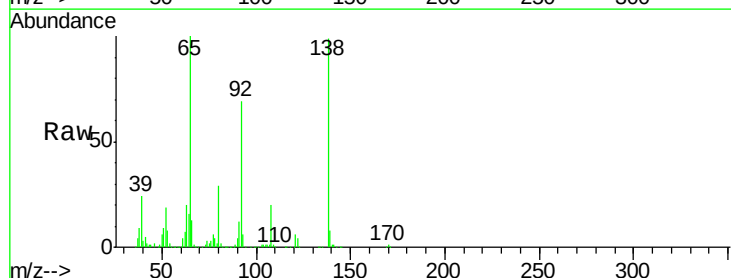
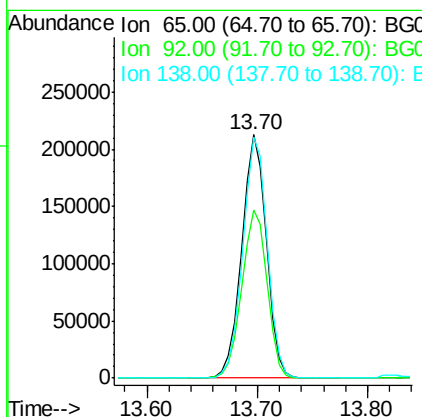
Manual Integrations
 APPROVED

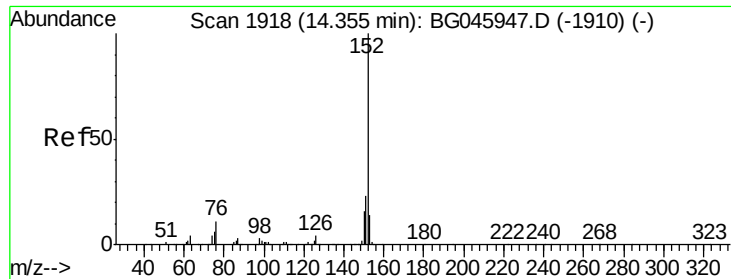
mohammad
 7/13/2020 1:03:57 PM



#48
 2-Nitroaniline
 Concen: 61.923 ng
 RT: 13.70 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.0	55.4	83.0
138	98.8	77.0	115.4





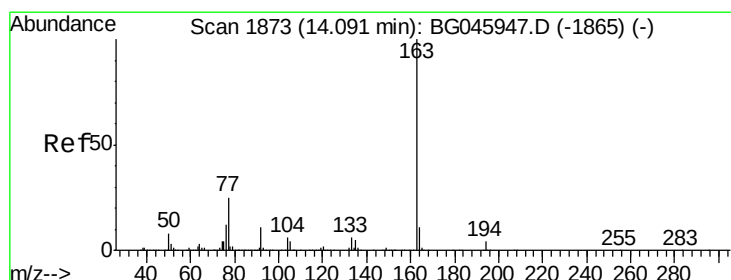
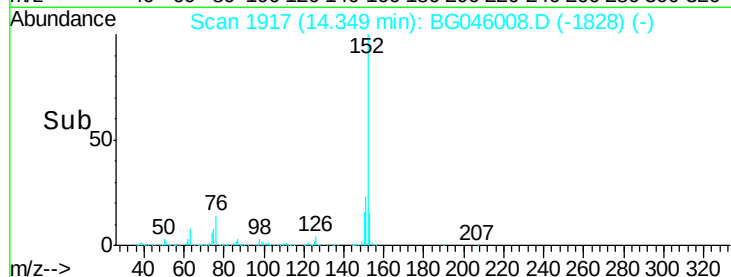
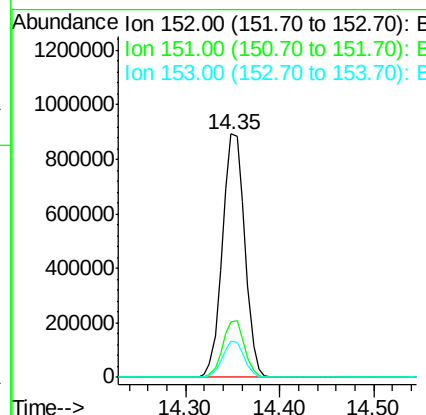
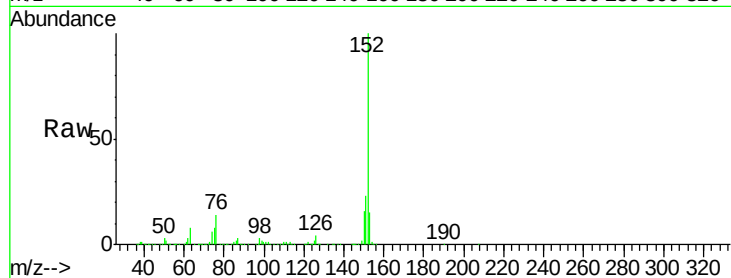
#49
Acenaphthylene
Concen: 48.594 ng
RT: 14.35 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.0	18.1	27.1
153	14.9	11.5	17.3

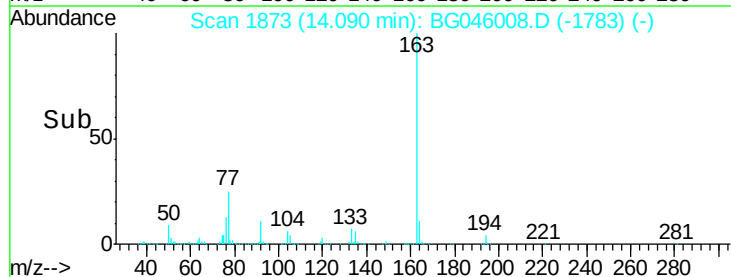
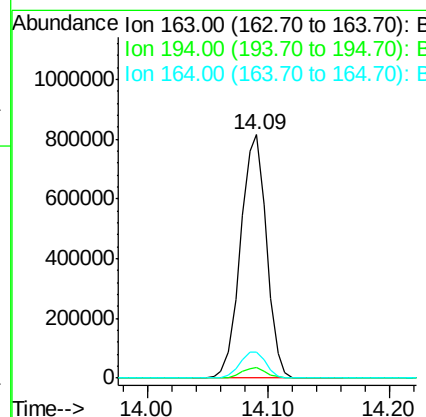
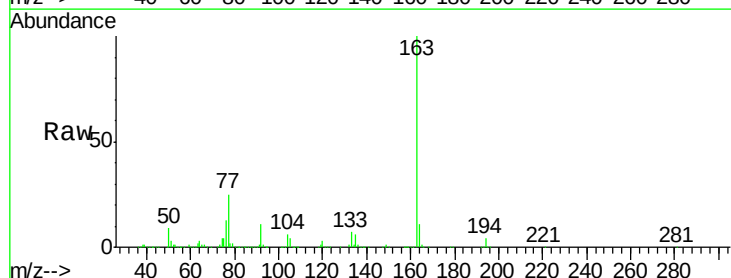
Manual Integrations
APPROVED

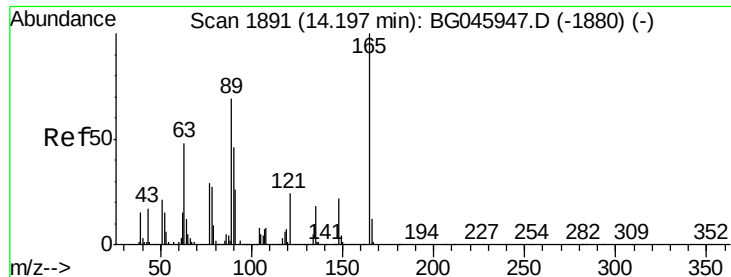
mohammad
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#50
Dimethylphthalate
Concen: 50.854 ng
RT: 14.09 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.9	8.9	13.3





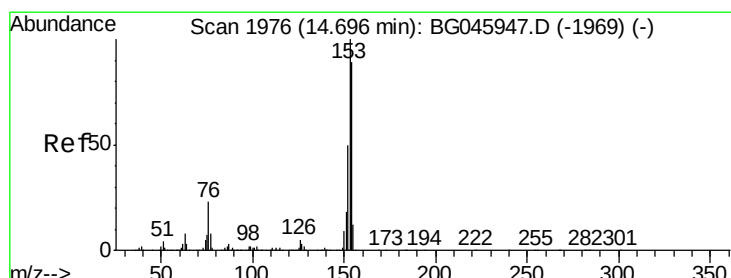
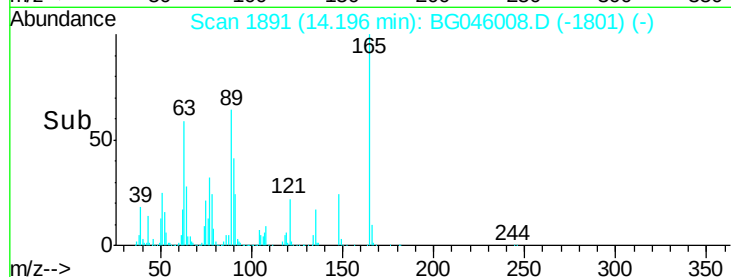
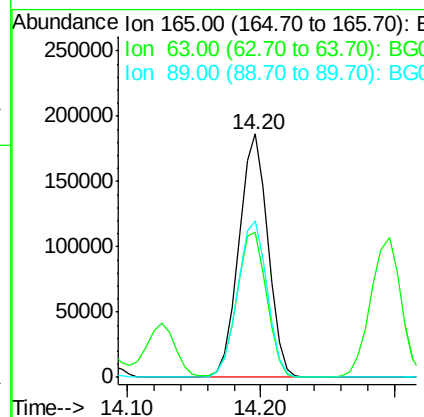
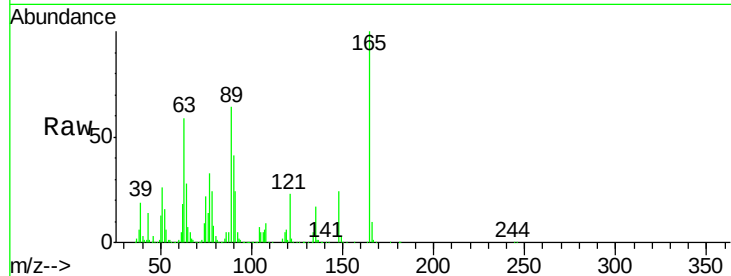
#51
2,6-Dinitrotoluene
Concen: 64.075 ng
RT: 14.20 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.5	51.0	76.4
89	64.4	55.7	83.5

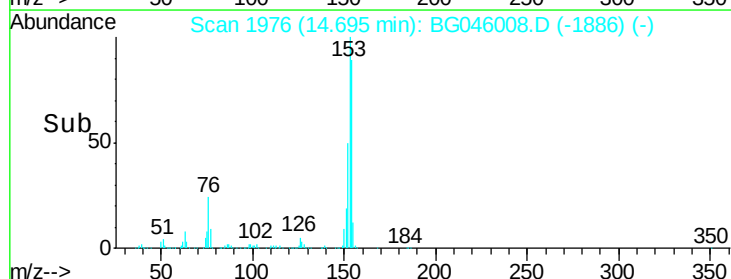
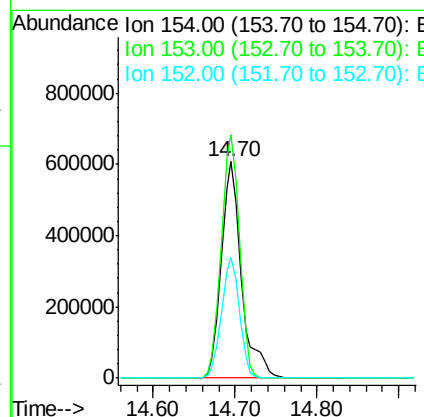
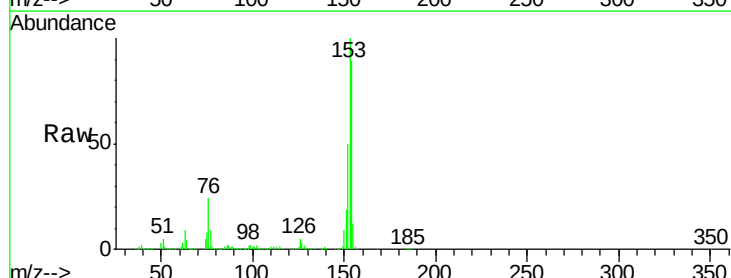
Manual Integrations
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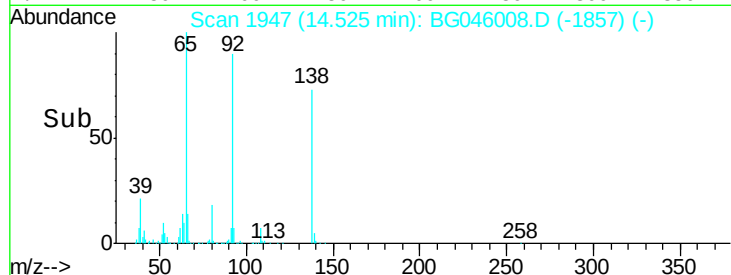
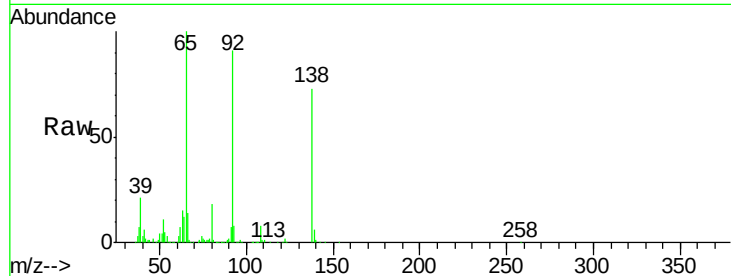
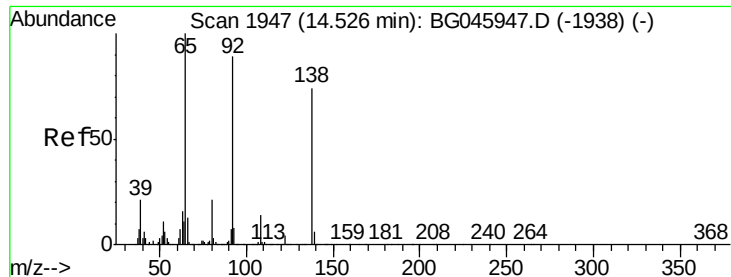
mohammad
7/13/2020 1:03:57 PM



#52
Acenaphthene
Concen: 54.094 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.7	134.5
152	55.9	44.7	67.1





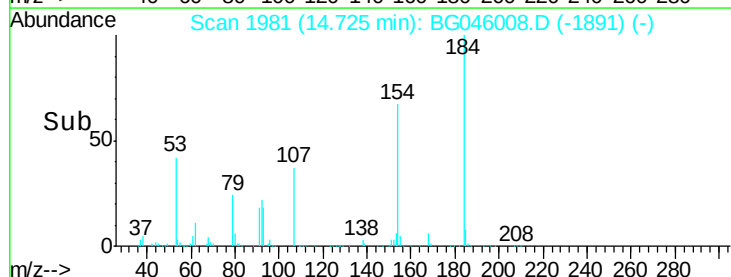
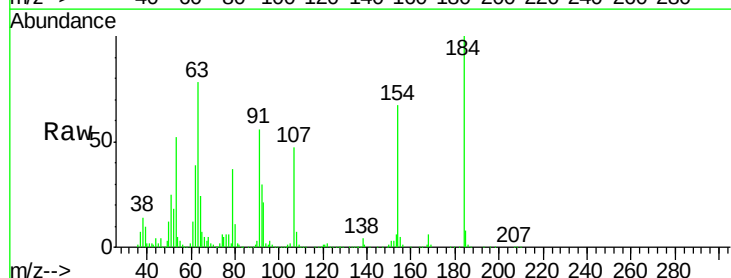
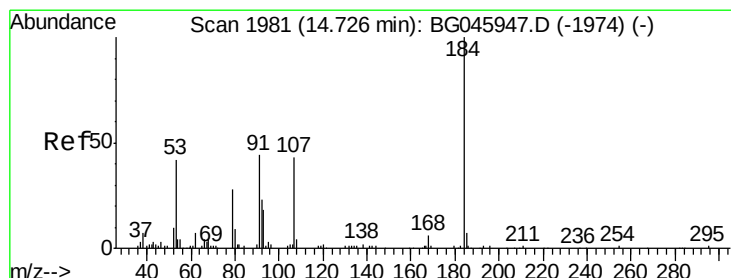
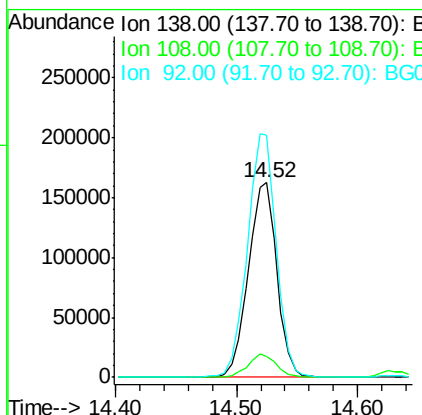
#53
3-Nitroaniline
Concen: 50.672 ng
RT: 14.52 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	15.4	23.2#
92	124.8	95.9	143.9

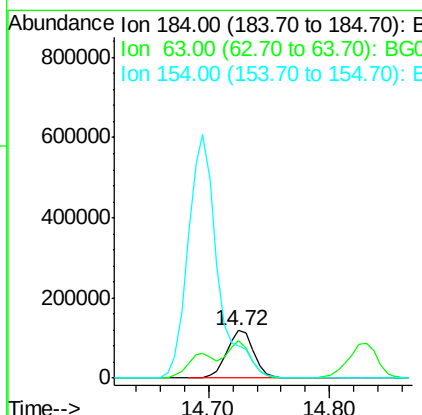
Manual Integrations
APPROVED

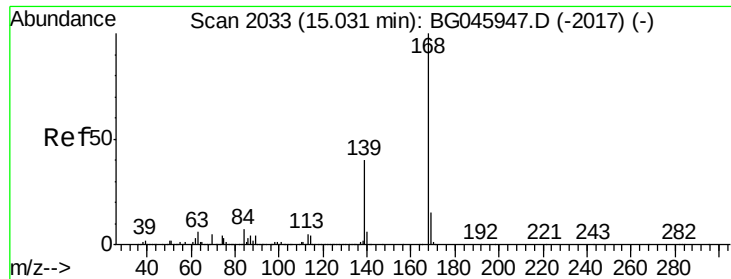
mohammad
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#54
2,4-Dinitrophenol
Concen: 114.568 ng
RT: 14.72 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	78.4	46.0	69.0#
154	66.9	58.2	87.2





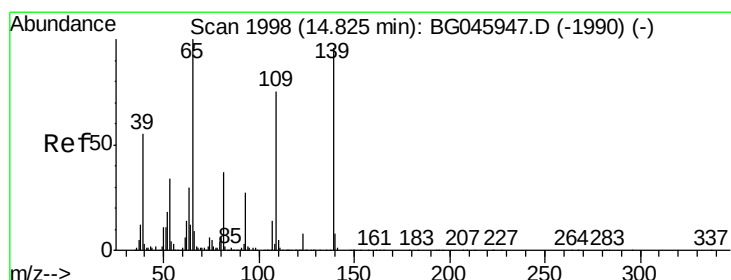
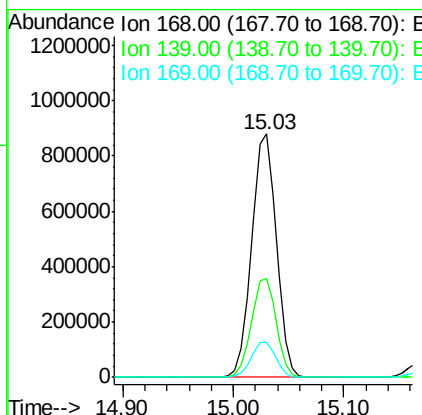
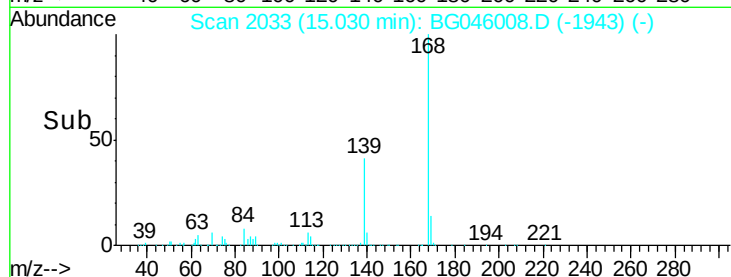
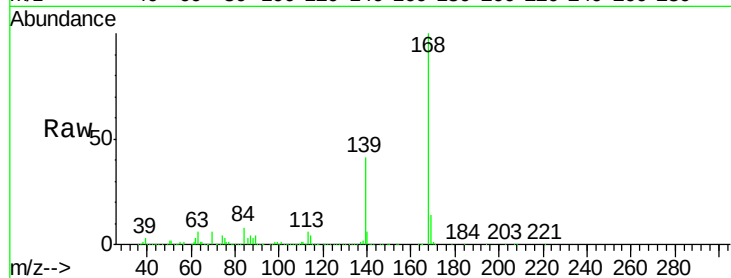
#55
Dibenzofuran
Concen: 49.149 ng
RT: 15.03 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.9	32.2	48.2
169	14.5	11.8	17.8

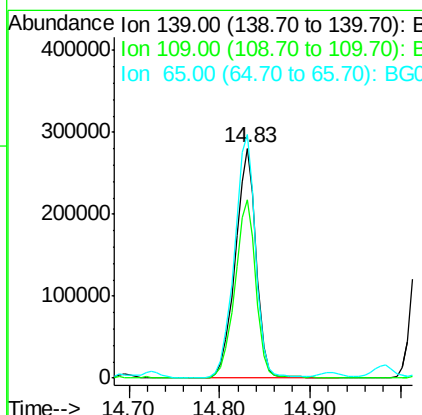
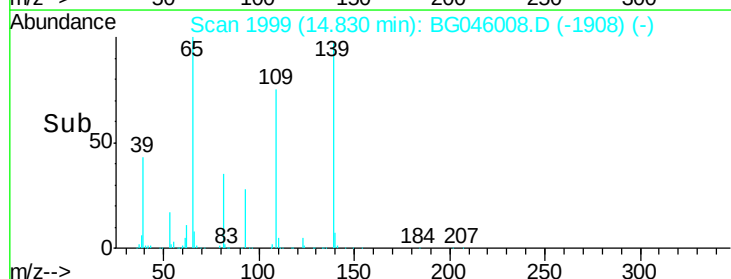
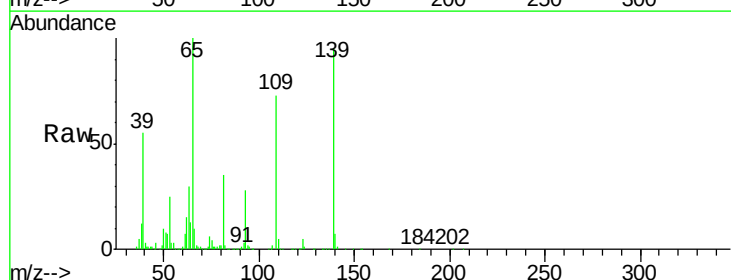
Manual Integrations
APPROVED

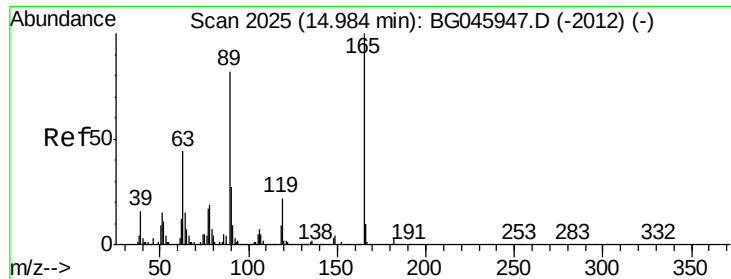
mohammad
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#56
4-Nitrophenol
Concen: 115.755 ng
RT: 14.83 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	77.6	58.5	98.5
65	105.8	84.7	124.7





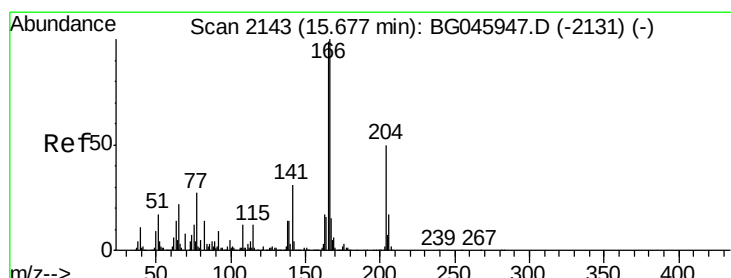
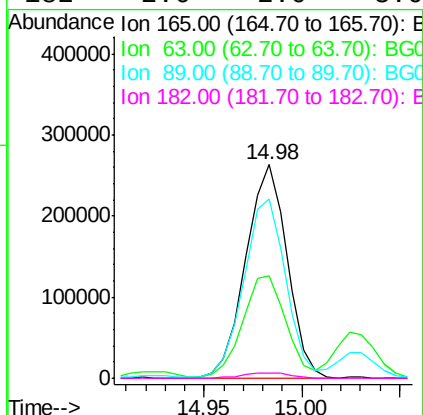
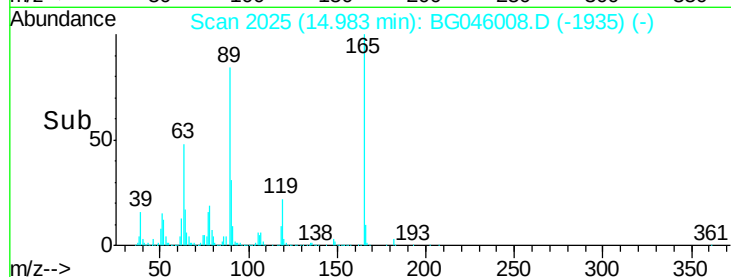
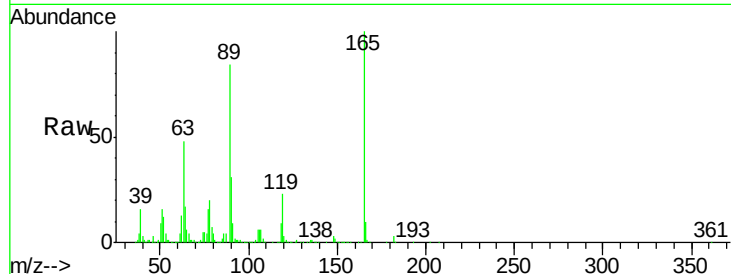
#57
2,4-Dinitrotoluene
Concen: 68.253 ng
RT: 14.98 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	48.1	35.4	53.0	
89	84.1	65.4	98.2	
182	2.6	2.0	3.0	

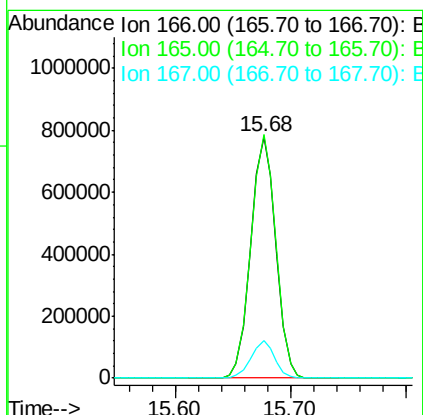
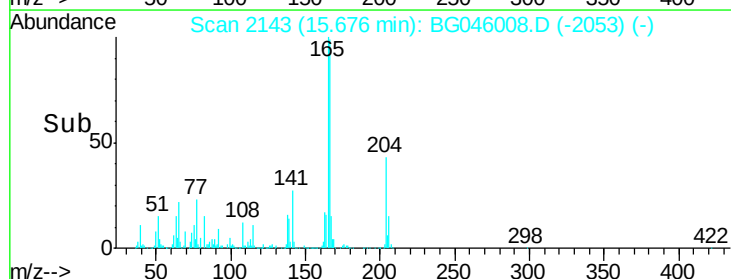
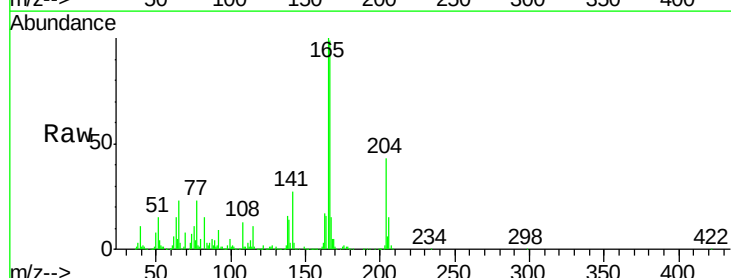
Manual Integrations
APPROVED

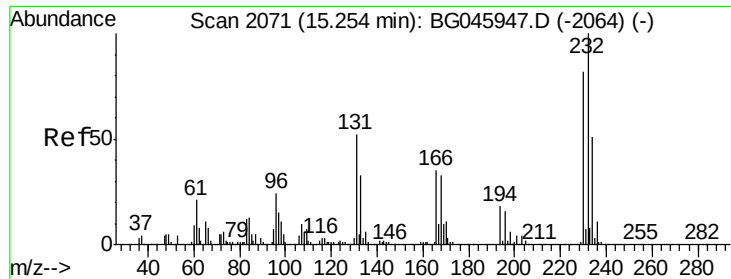
mohammad
7/13/2020 1:03:57 PM



#58
Fluorene
Concen: 50.772 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.8	78.9	118.3	
167	15.5	12.1	18.1	





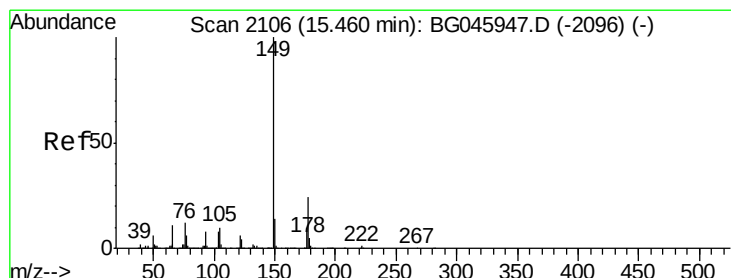
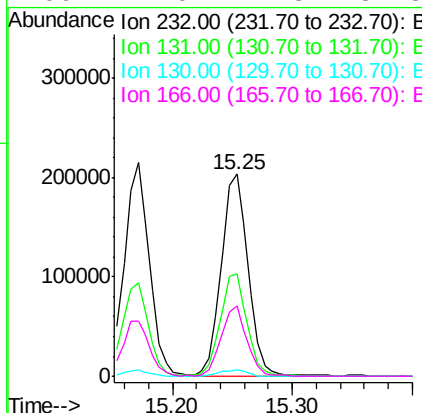
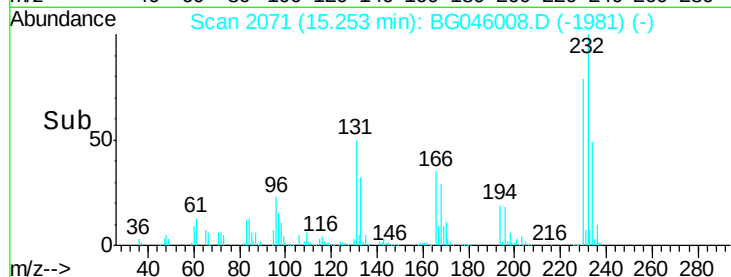
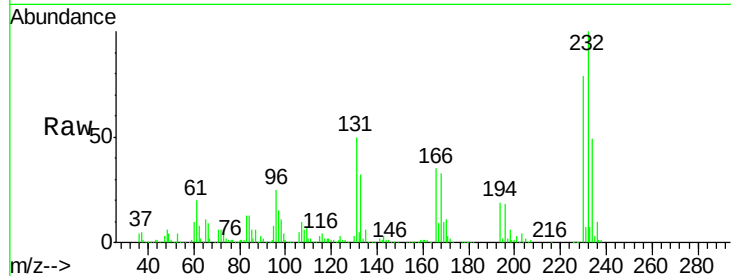
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 60.019 ng/ml
 RT: 15.25 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	318780		
131	44.4		35.8	53.6
130	2.9		2.5	3.7
166	27.0		21.8	32.8

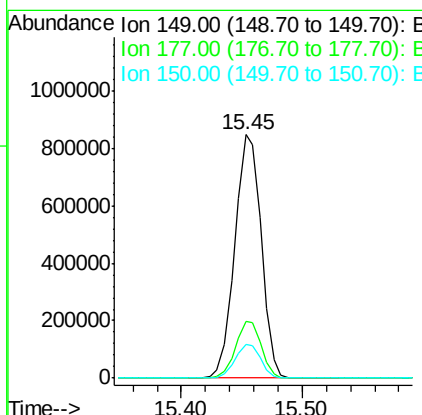
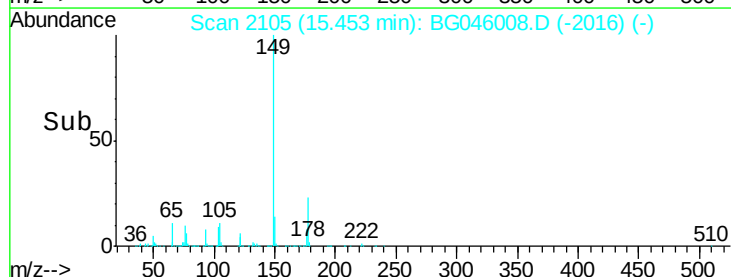
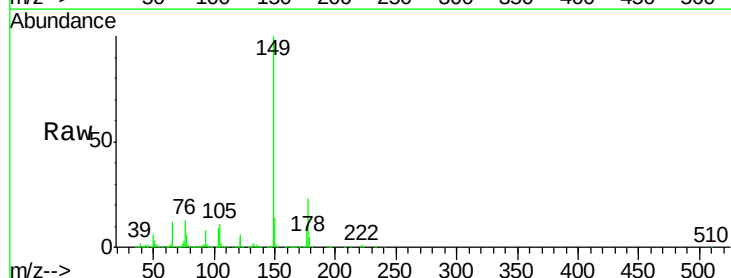
Manual Integrations
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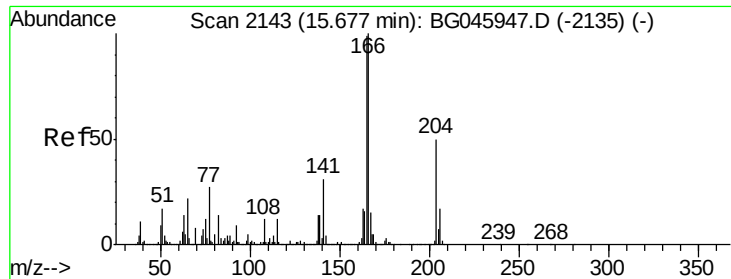
mohammad
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#60
 Diethylphthalate
 Concen: 51.407 ng/ml
 RT: 15.45 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1291235		
177	23.2		19.0	28.4
150	13.8		11.0	16.4





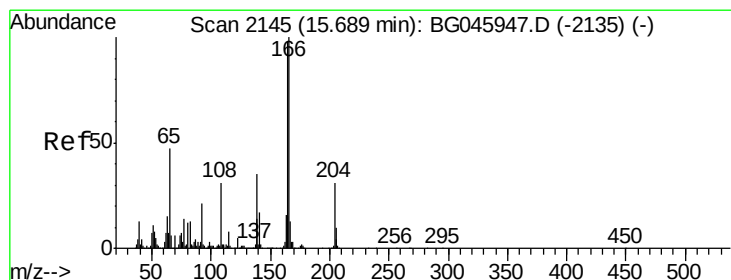
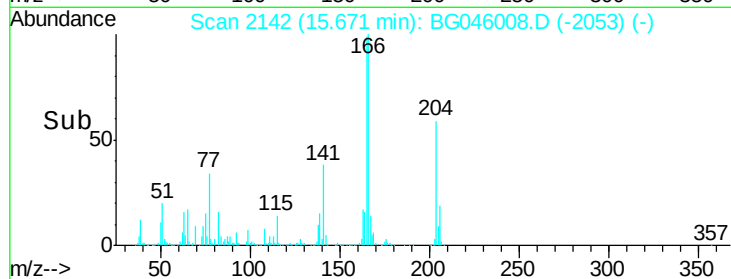
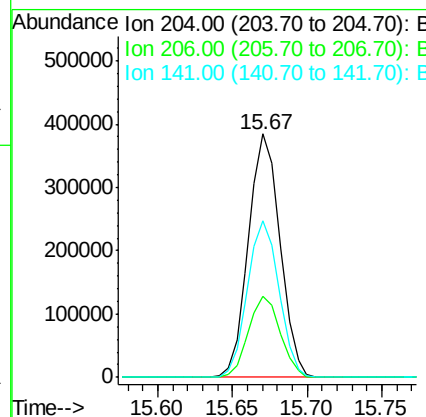
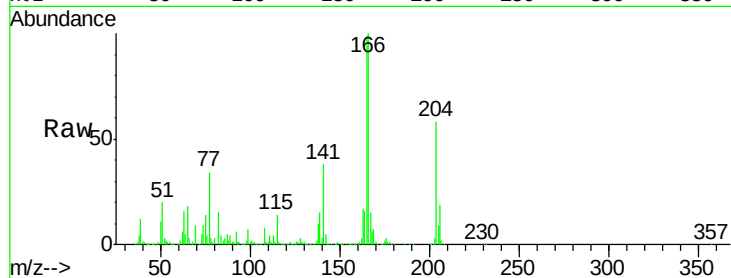
#61
4-Chlorophenyl-phenylether
Concen: 48.676 ng
RT: 15.67 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	27.1	40.7
141	64.3	49.8	74.8

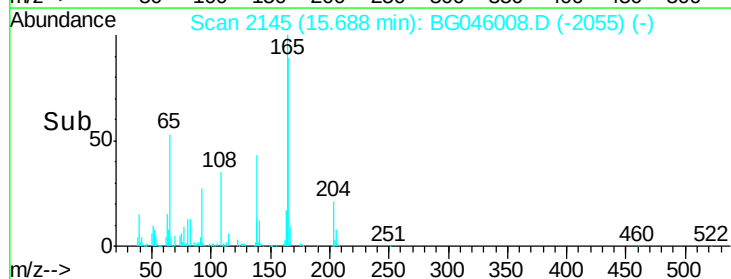
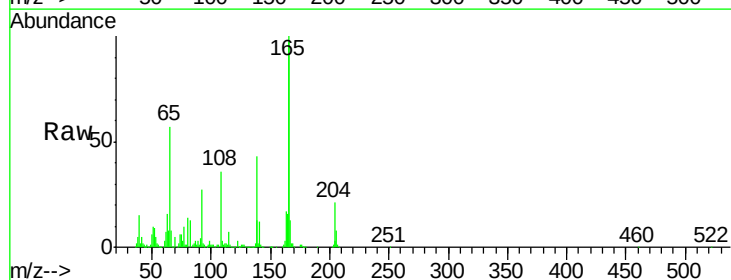
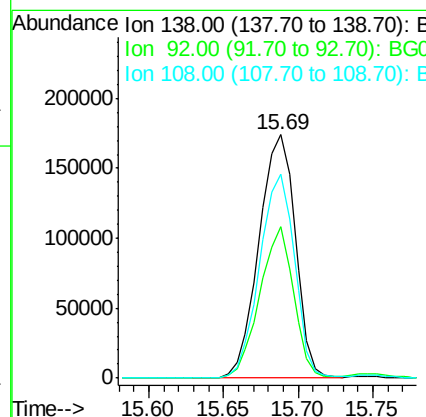
Manual Integrations
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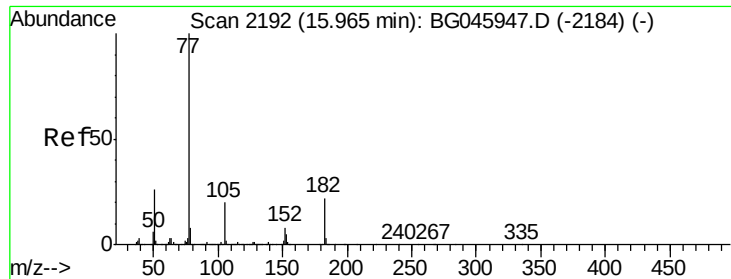
mohammad
7/13/2020 1:03:57 PM



#62
4-Nitroaniline
Concen: 59.183 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
138	100		
92	62.4	40.3	80.3
108	84.0	68.0	108.0





#63

Azobenzene

Concen: 53.348 ng

RT: 15.96 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

ClientSampleId :

MH-D19MSD

Tot Ion: 77 Resp: 1438214

Ion Ratio Lower Upper

77 100

182 22.8 2.4 42.4

105 20.3 0.3 40.3

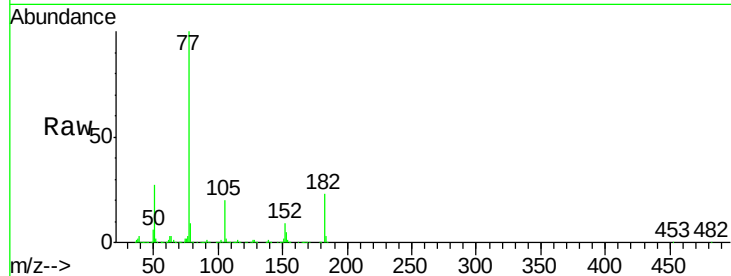
51 26.9 6.3 46.3

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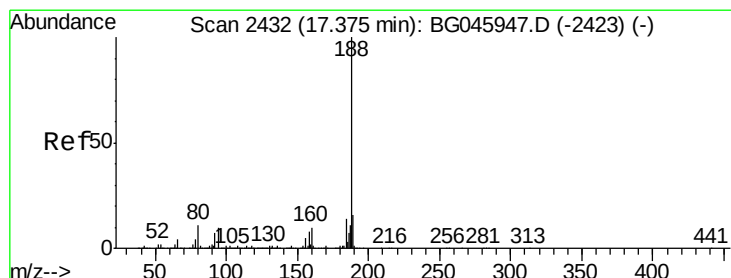
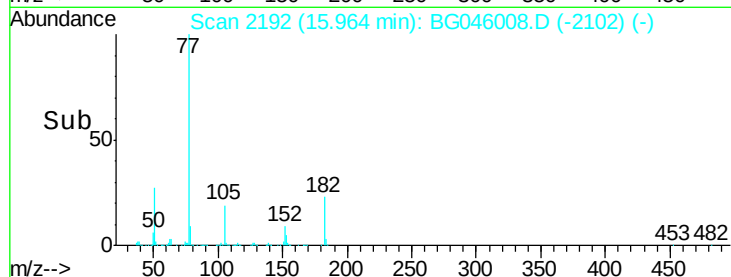
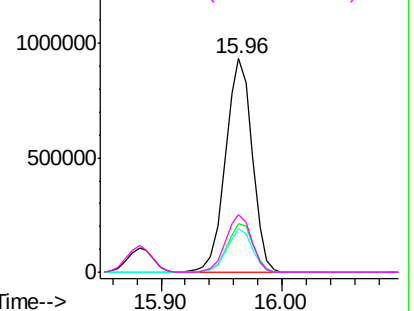


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

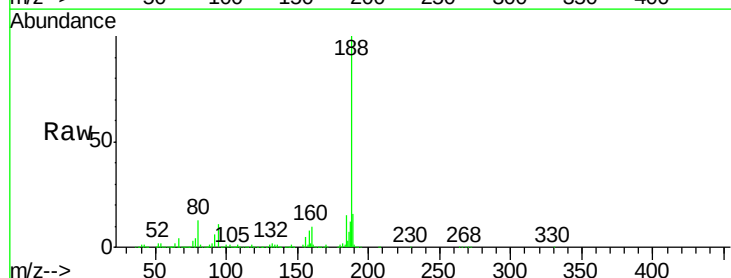
Tgt Ion: 188 Resp: 727679

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

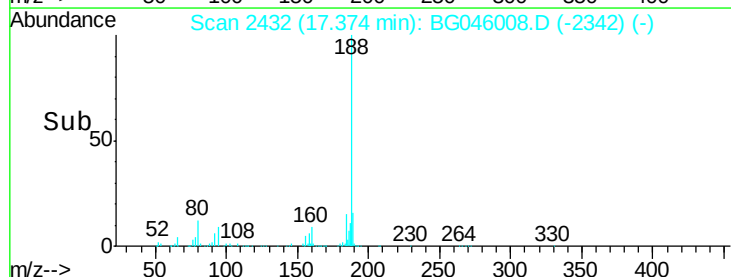
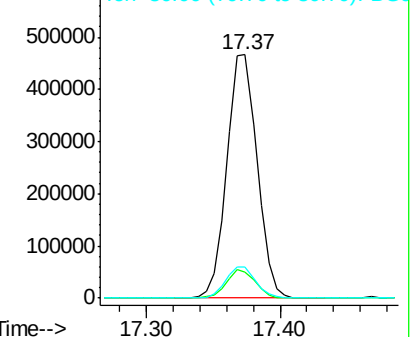
80 12.6 9.0 13.6

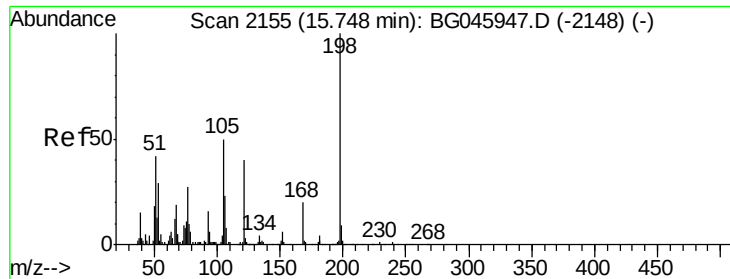


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 61.853 ng

RT: 15.75 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

ClientSampleId :

MH-D19MSD

Tot Ion:198 Resp: 160693

Ion Ratio Lower Upper

198 100

51 43.4 24.5 64.5

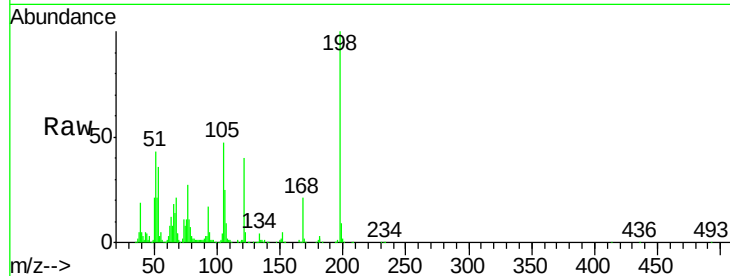
105 46.7 30.9 70.9

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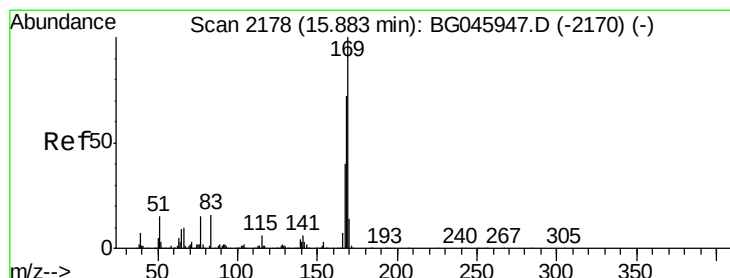
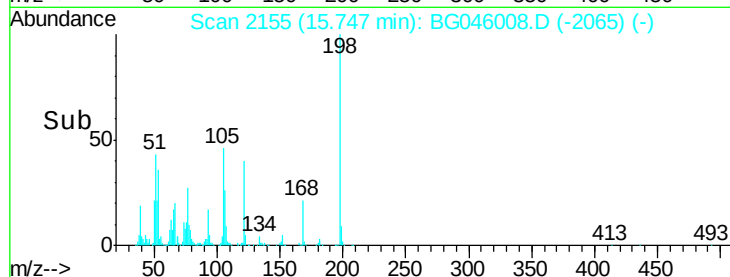
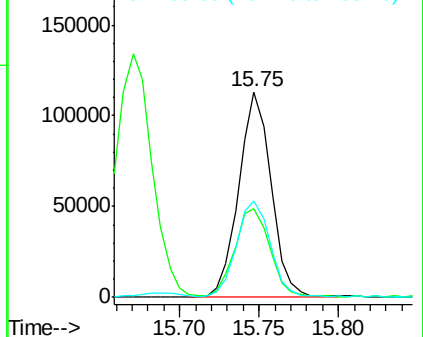
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 47.867 ng

RT: 15.88 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

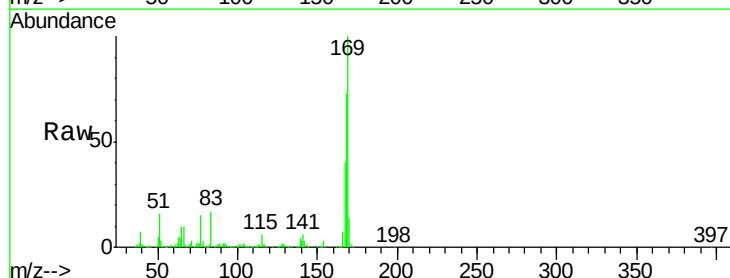
Tgt Ion:169 Resp: 1079382

Ion Ratio Lower Upper

169 100

168 72.8 57.3 85.9

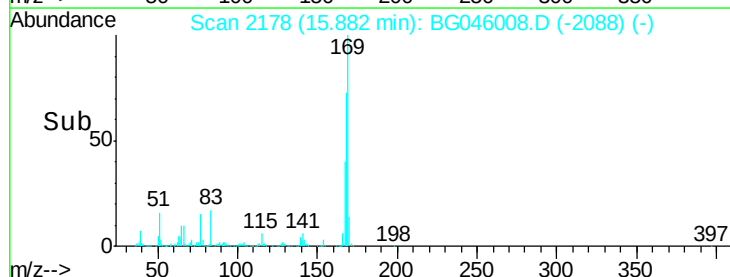
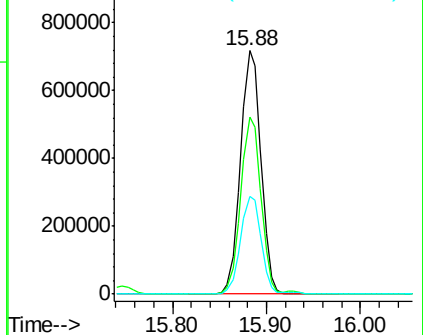
167 40.4 32.1 48.1

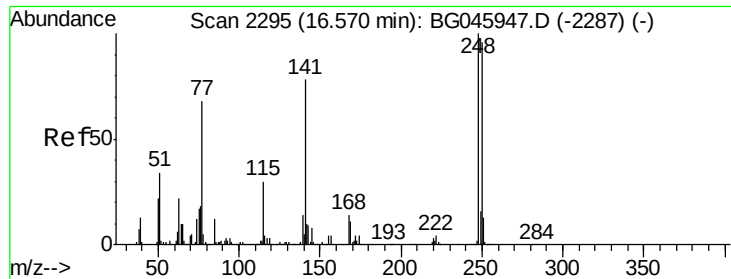


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





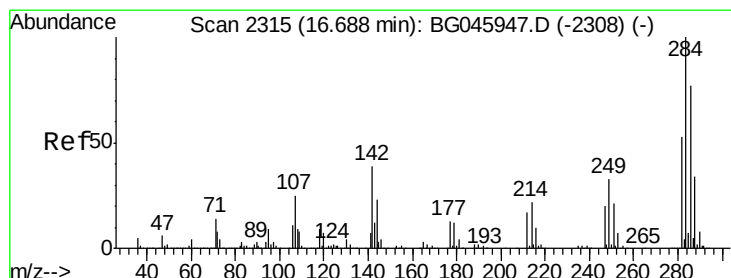
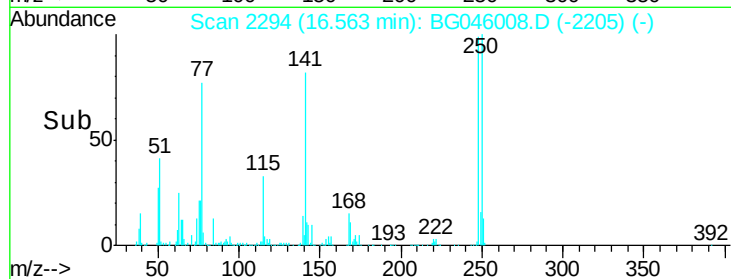
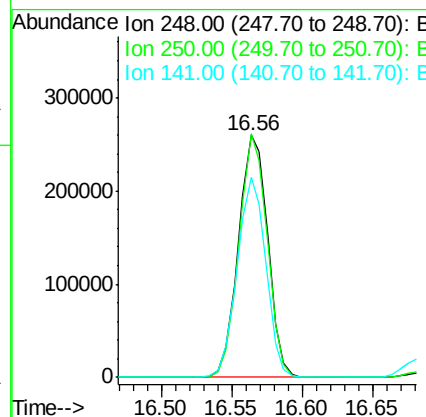
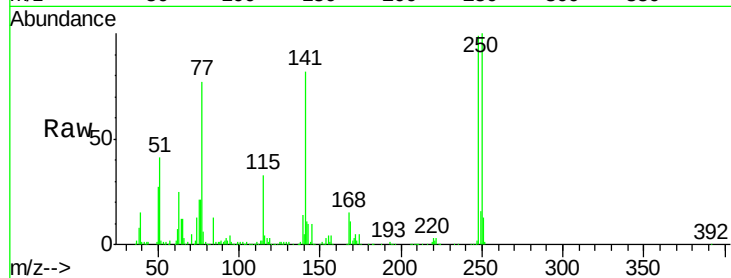
#67
 4-Bromophenyl-phenylether
 Concen: 46.228 ng
 RT: 16.56 min Scan# 2294
 Delta R.T. -0.01 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.7	76.6	114.8
141	83.0	62.7	94.1

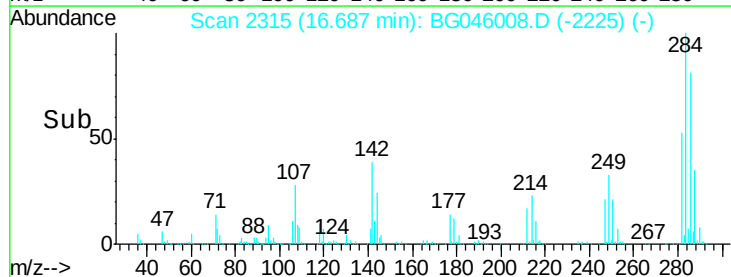
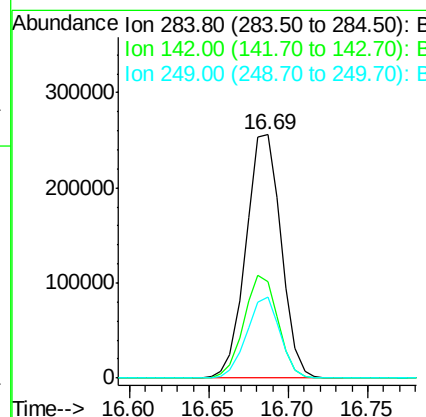
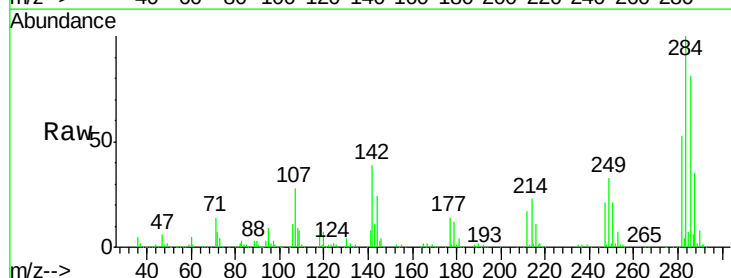
Manual Integrations
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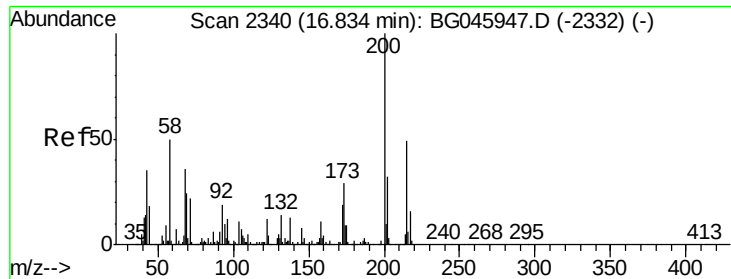
mohammad
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#68
 Hexachlorobenzene
 Concen: 48.250 ng
 RT: 16.69 min Scan# 2315
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.4	31.3	46.9
249	33.3	26.8	40.2





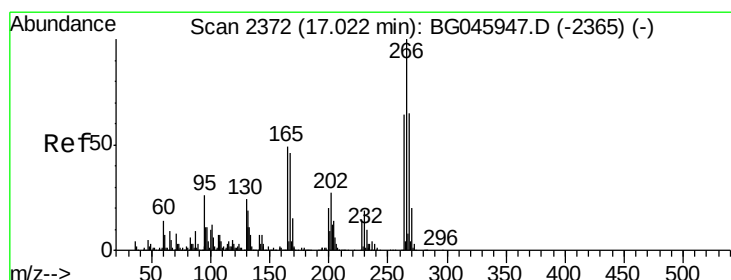
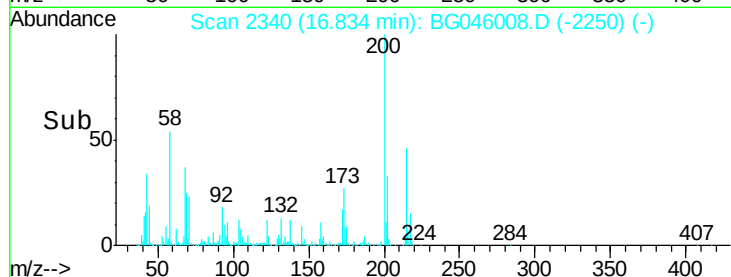
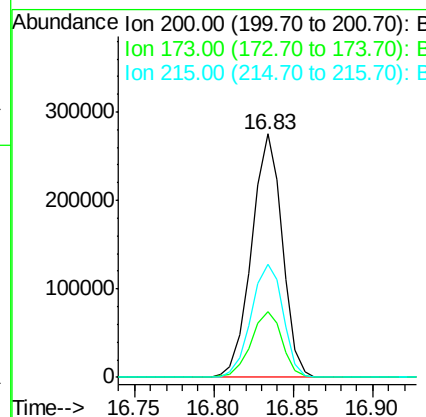
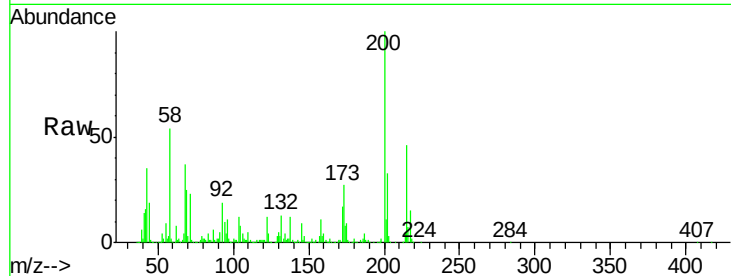
#69
 Atrazine
 Concen: 55.385 ng
 RT: 16.83 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.8	9.1	49.1
215	46.4	28.8	68.8

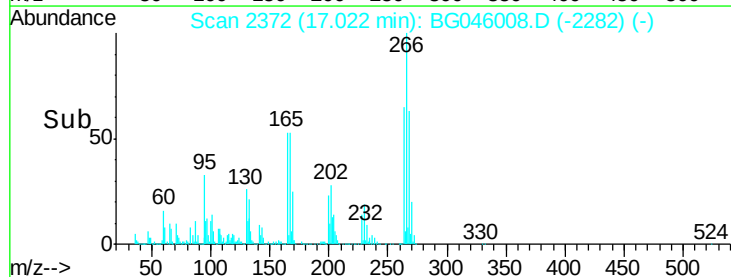
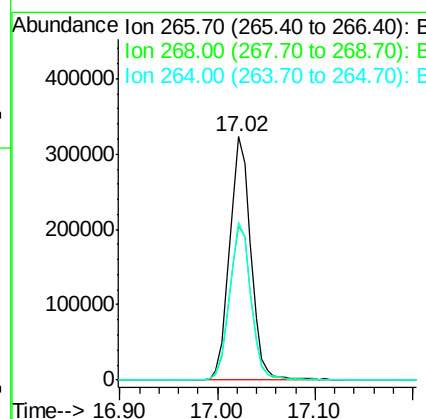
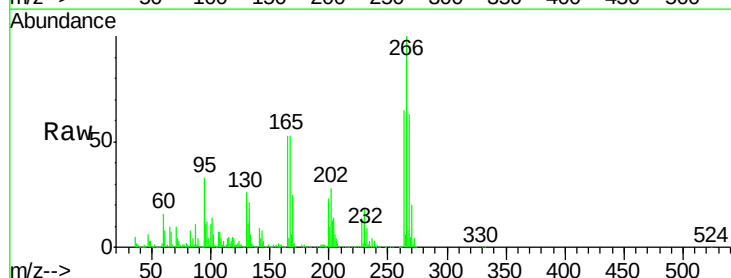
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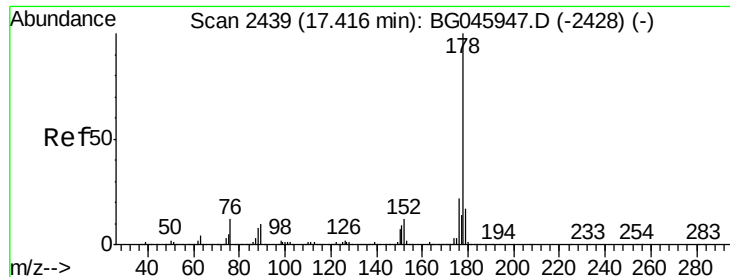
mohammad
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#70
 Pentachlorophenol
 Concen: 108.142 ng
 RT: 17.02 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.1	51.8	77.8
264	65.0	51.4	77.0





#71

Phenanthrene

Concen: 48.404 ng

RT: 17.42 min Scan# 2439

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

ClientSampleId :

MH-D19MSD

Tot Ion:178 Resp: 1862116

Ion Ratio Lower Upper

178 100

176 23.8 17.4 26.2

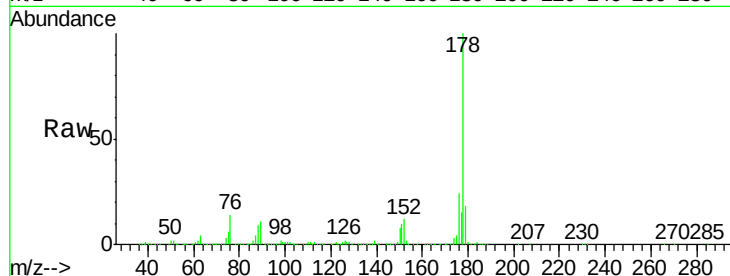
179 18.1 13.4 20.2

Manual Integrations

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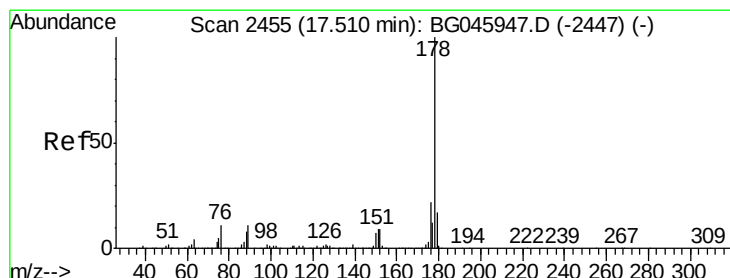
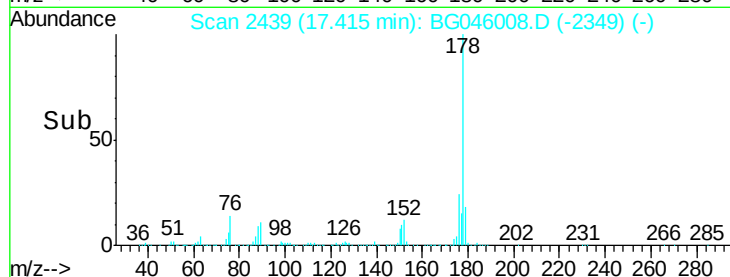
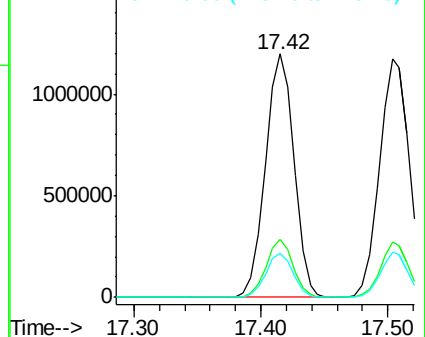
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.847 ng

RT: 17.50 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

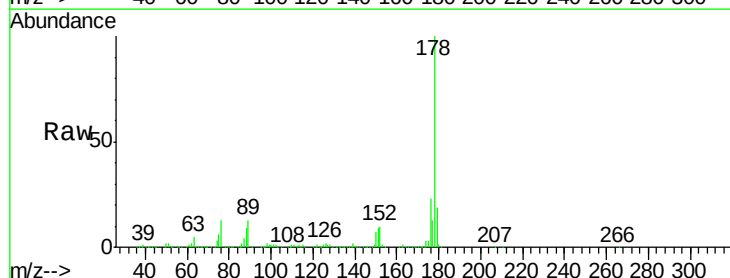
Tgt Ion:178 Resp: 1907058

Ion Ratio Lower Upper

178 100

176 23.4 17.2 25.8

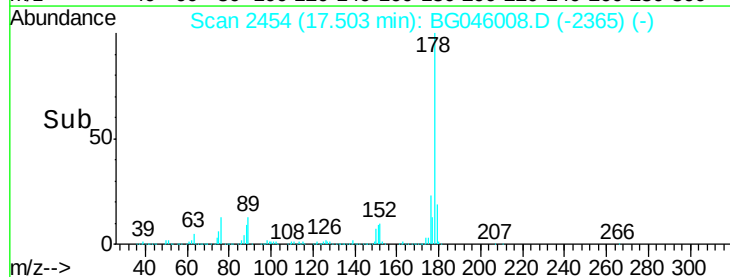
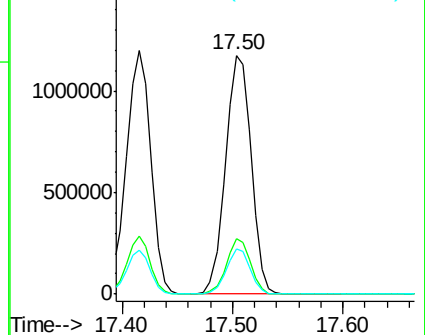
179 18.8 14.0 21.0

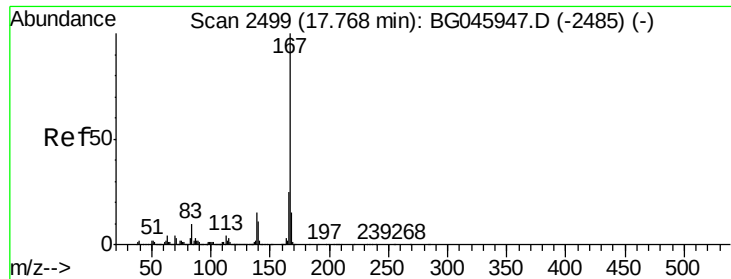


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





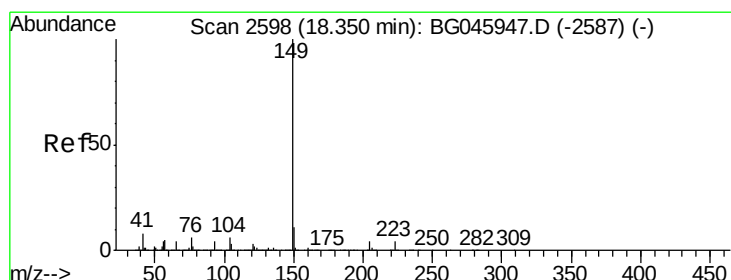
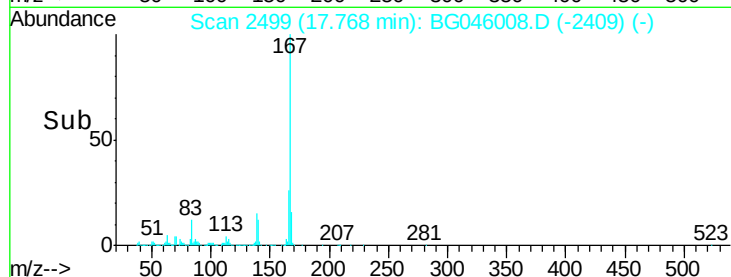
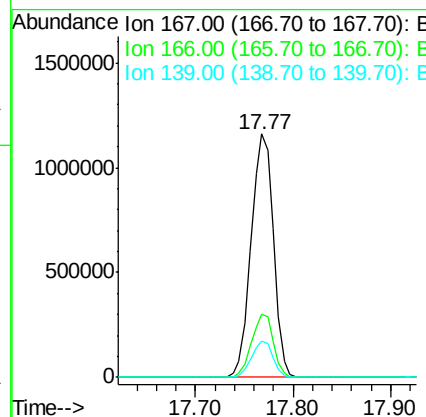
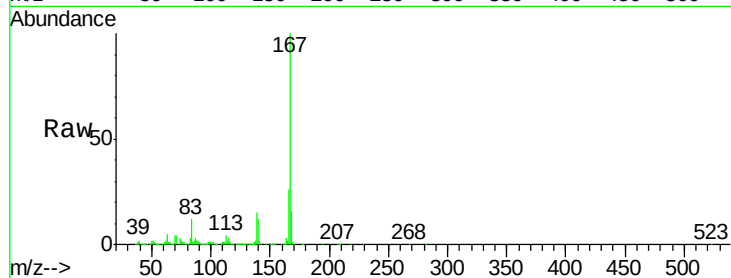
#73
 Carbazole
 Concen: 47.599 ng
 RT: 17.77 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	26.0	20.4	30.6
139	15.0	11.8	17.8

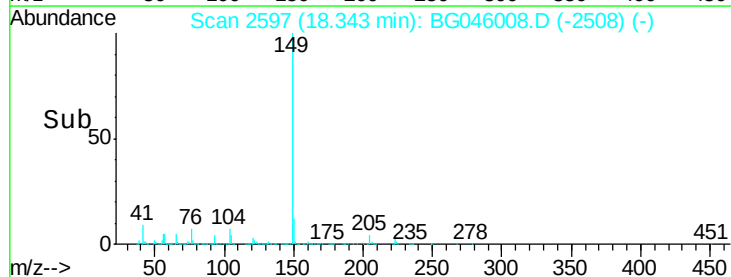
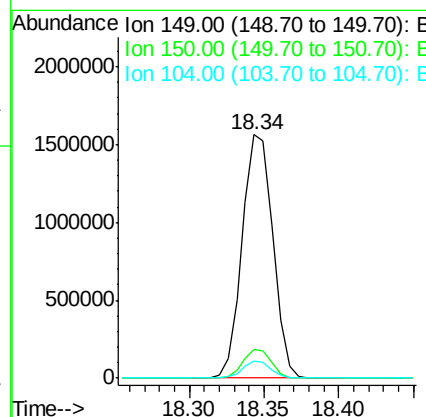
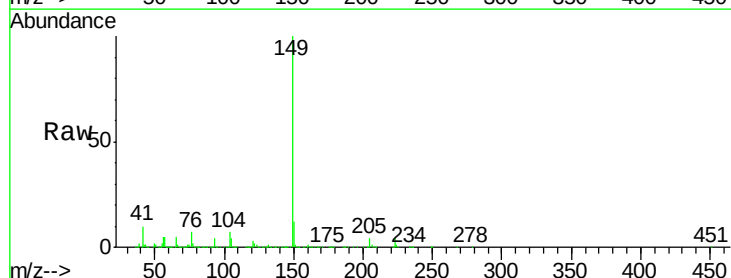
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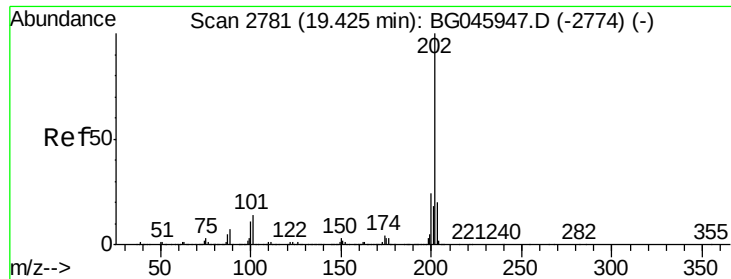
mohammad
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#74
 Di-n-butylphthalate
 Concen: 47.134 ng
 RT: 18.34 min Scan# 2597
 Delta R.T. -0.01 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.0	9.0	13.4
104	7.0	5.2	7.8





#75

Fluoranthene

Concen: 48.665 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

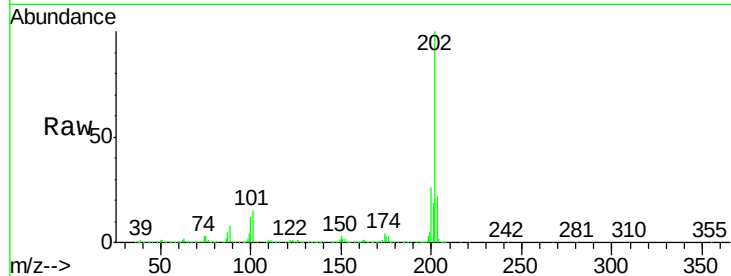
ClientSampleId :

MH-D19MSD

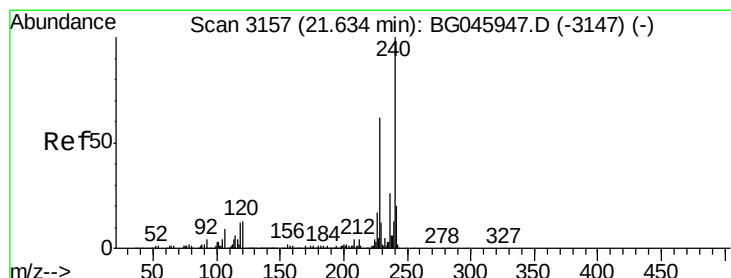
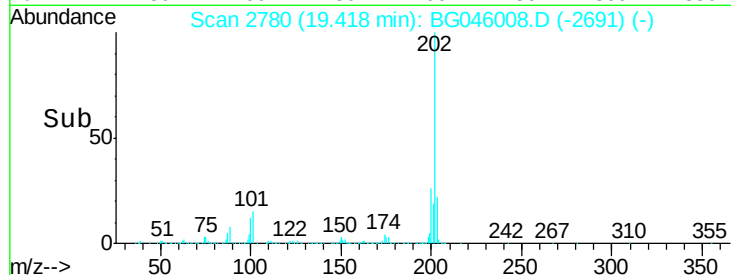
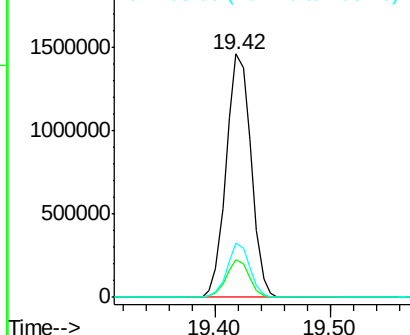
Tot Ion:	202	Resp:	2164254
Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	33.8
203	22.2	0.4	40.4

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

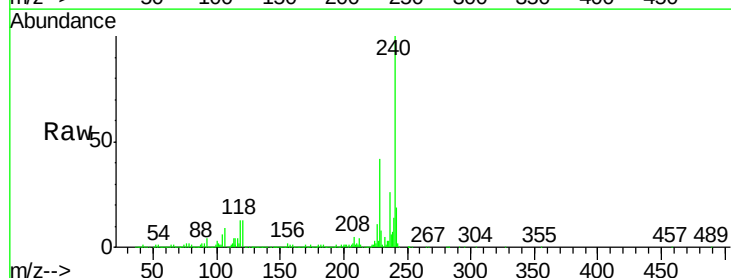
RT: 21.63 min Scan# 3157

Delta R.T. -0.00 min

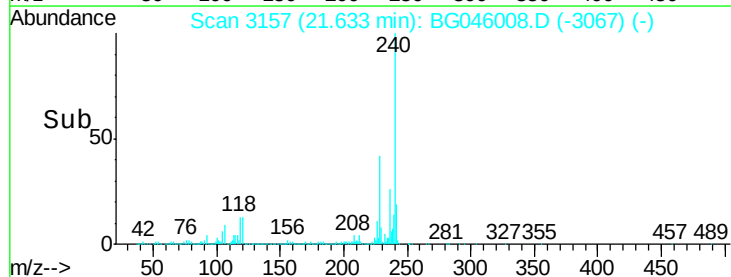
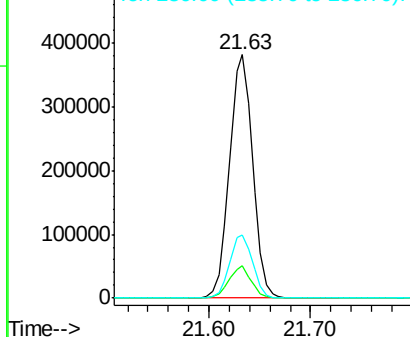
Lab File: BG046008.D

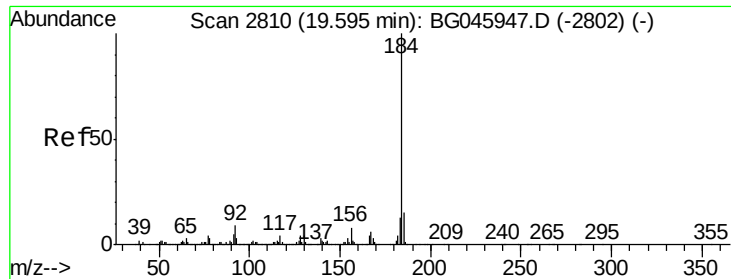
Acq: 10 Jul 2020 15:48

Tgt Ion:	240	Resp:	604173
Ion	Ratio	Lower	Upper
240	100		
120	13.3	10.6	16.0
236	25.7	20.4	30.6



Abundance Ion 240.00 (239.70 to 240.70): E
500000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.290 ng

RT: 19.59 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

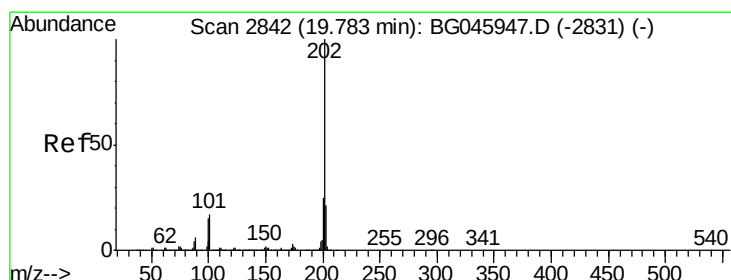
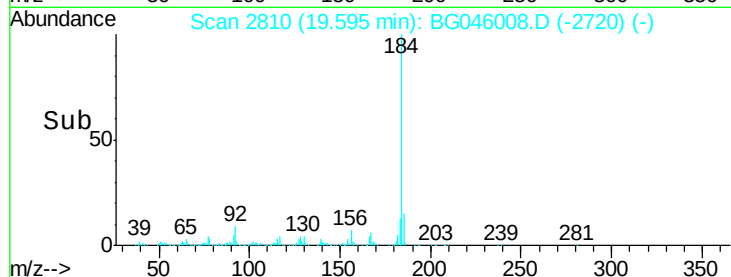
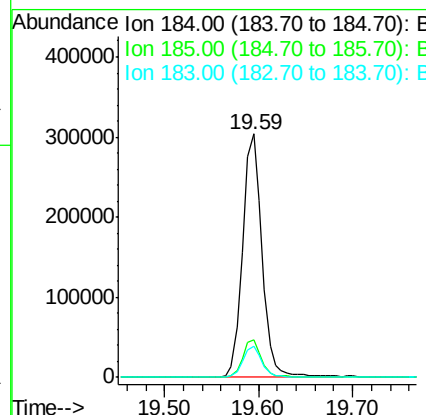
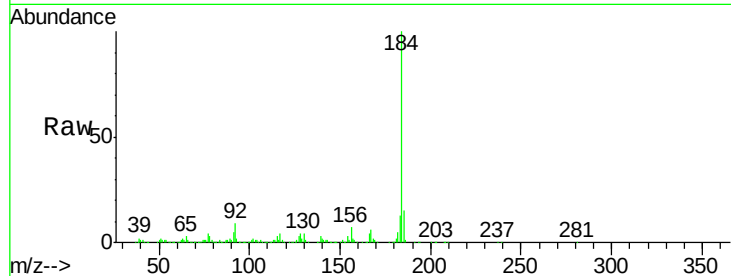
ClientSampleId :

MH-D19MSD

Tot Ion:	184	Resp:	436874
Ion Ratio	Lower	Upper	
184	100		
185	15.2	11.6	17.4
183	12.8	10.4	15.6

Manual Integrations
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#78

Pyrene

Concen: 51.617 ng

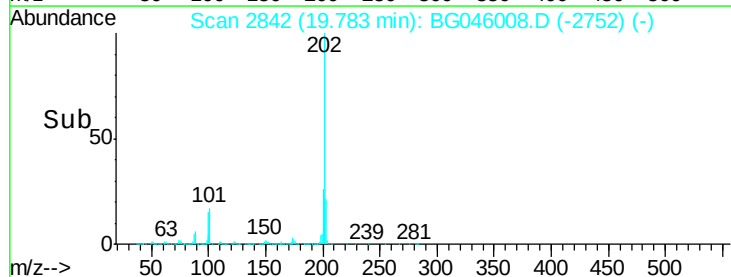
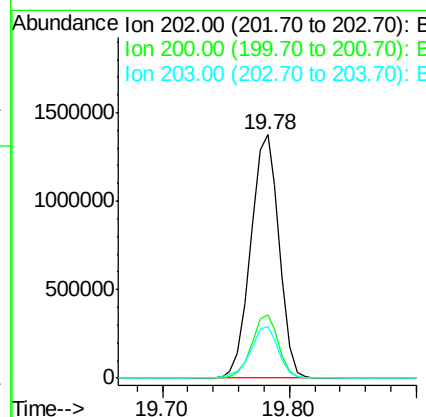
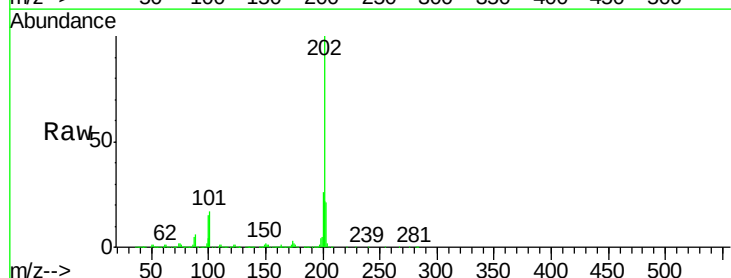
RT: 19.78 min Scan# 2842

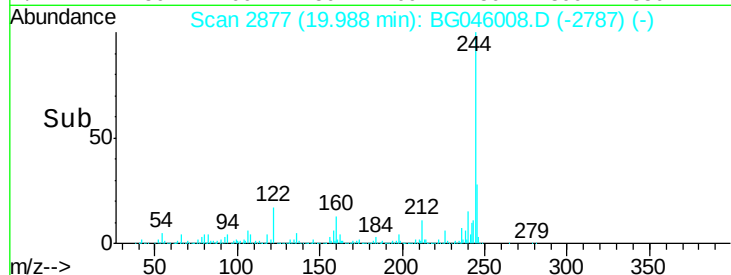
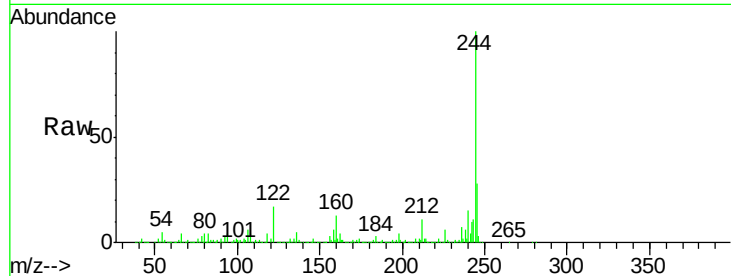
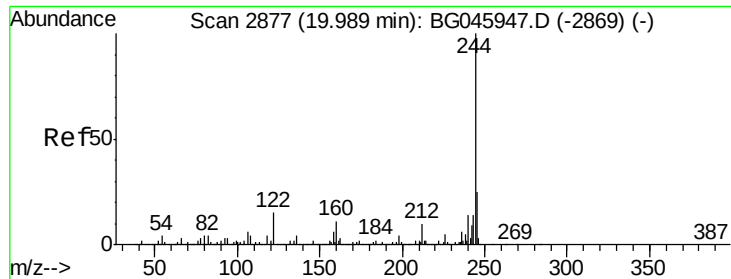
Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion:	202	Resp:	2128726
Ion Ratio	Lower	Upper	
202	100		
200	26.0	20.1	30.1
203	21.3	16.5	24.7





#79

Terphenyl-d14

Concen: 102.320 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tot Ion:	244	Resp:	2777734
Ion	Ratio	Lower	Upper
244	100		
212	11.2	8.3	12.5
122	16.5	12.1	18.1

Instrument :

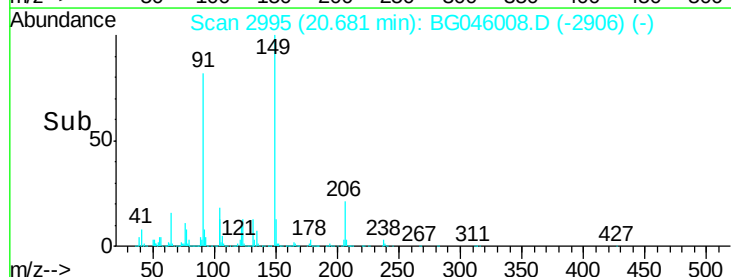
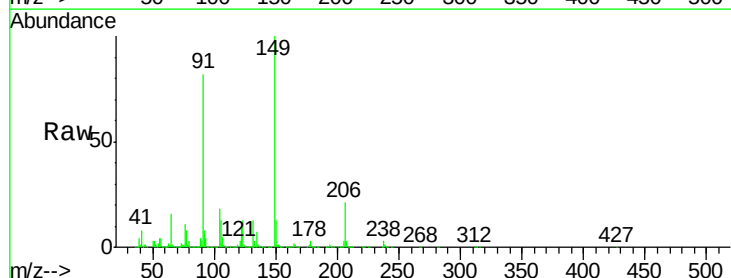
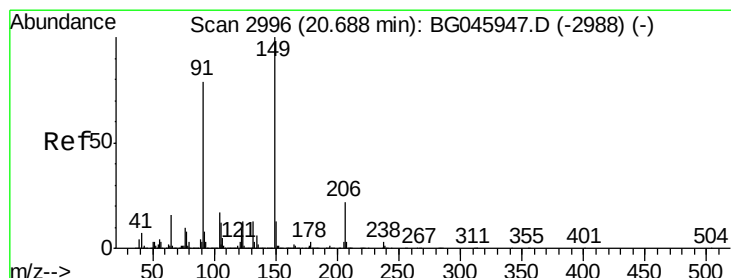
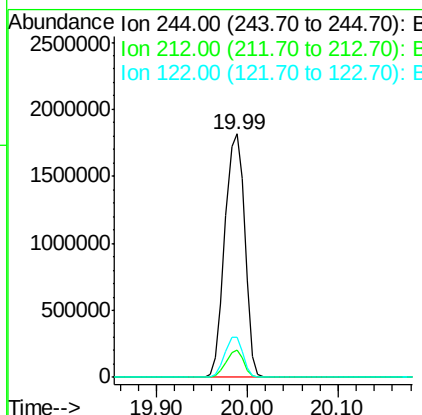
BNA_G

ClientSampleId :

MH-D19MSD

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 53.414 ng

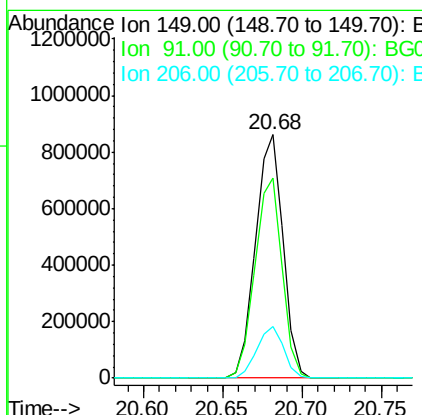
RT: 20.68 min Scan# 2995

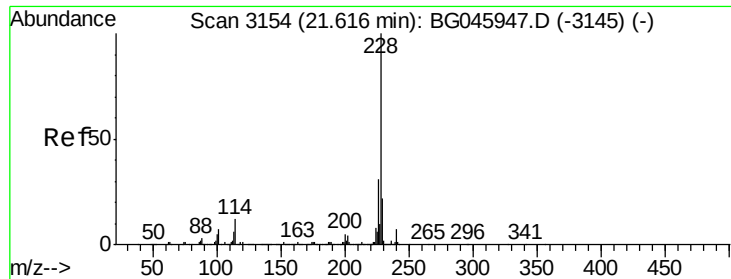
Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Tgt Ion:	149	Resp:	1040983
Ion	Ratio	Lower	Upper
149	100		
91	82.0	63.1	94.7
206	21.1	17.4	26.0





#81

Benzo(a)anthracene

Concen: 48.497 ng

RT: 21.61 min Scan# 3153

Delta R.T. -0.01 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

Instrument :

BNA_G

ClientSampled :

MH-D19MSD

Tot Ion:228 Resp: 1926620

Ion Ratio Lower Upper

228 100

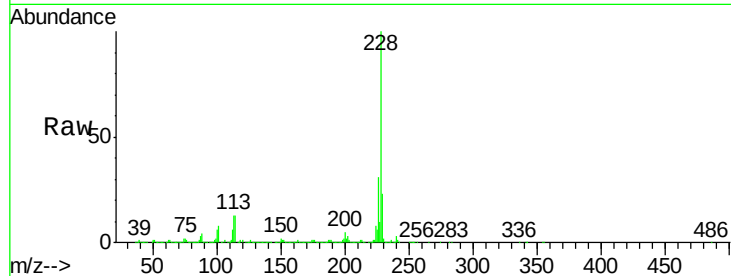
226 31.4 24.8 37.2

229 23.4 17.8 26.8

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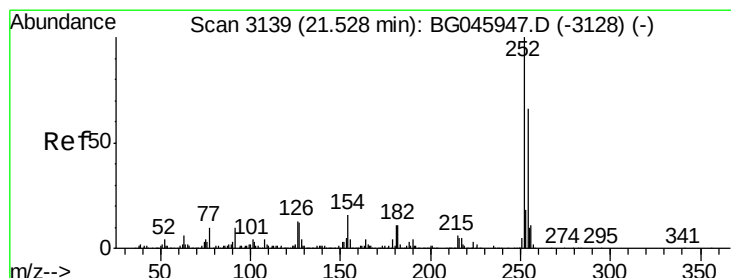
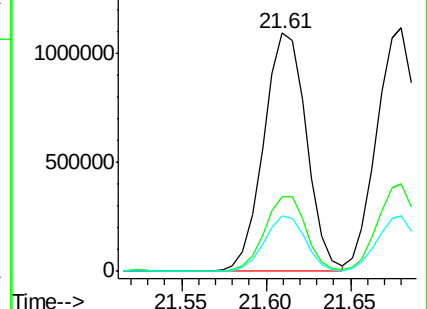
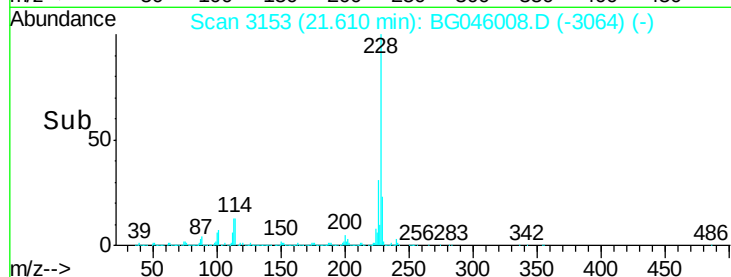
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 35.944 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG046008.D

Acq: 10 Jul 2020 15:48

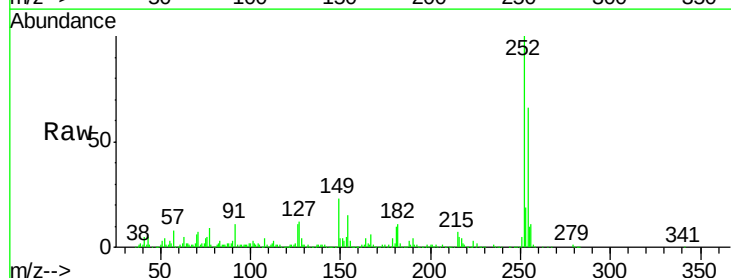
Tgt Ion:252 Resp: 527639

Ion Ratio Lower Upper

252 100

254 66.3 52.9 79.3

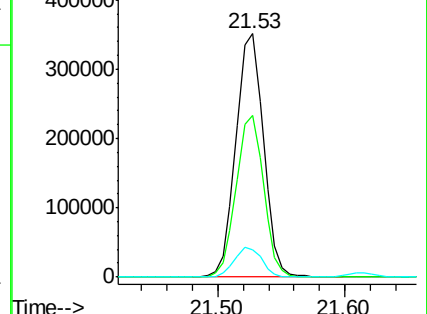
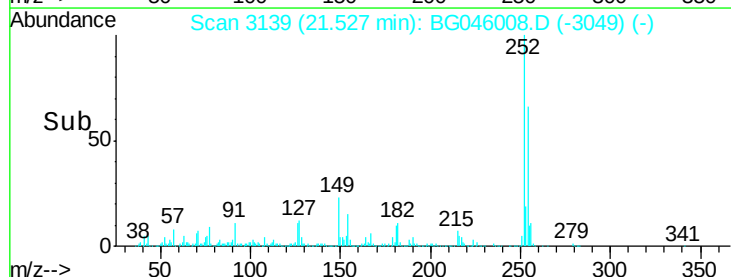
126 11.3 10.4 15.6

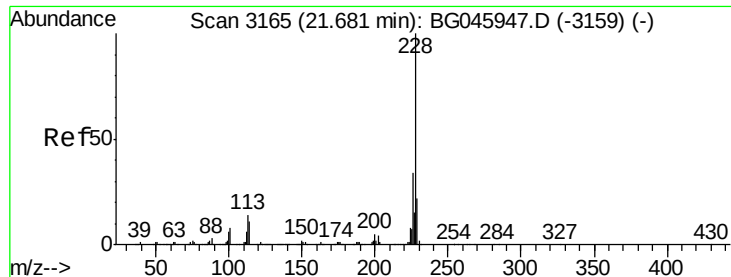


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





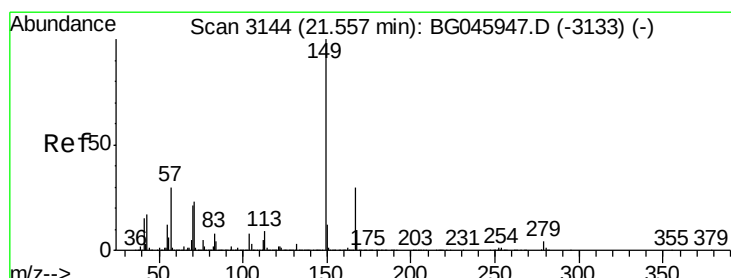
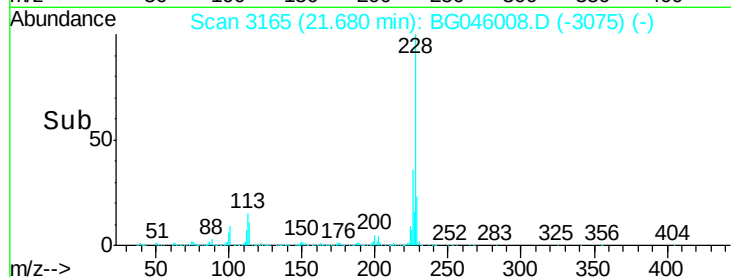
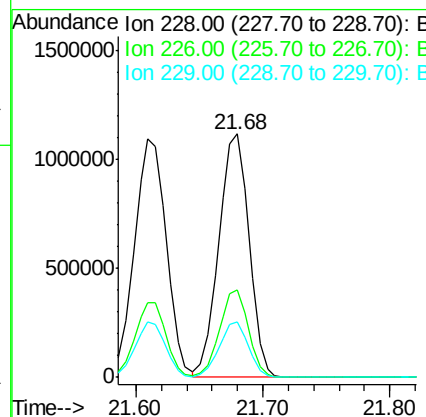
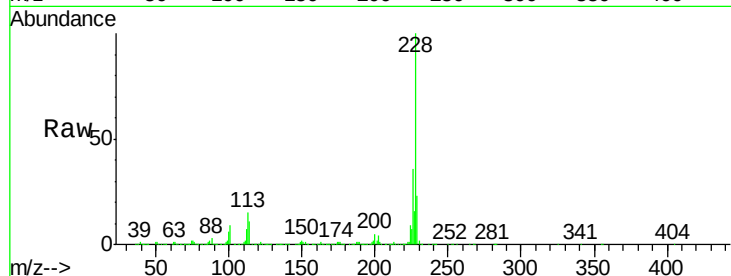
#83
Chrysene
Concen: 49.080 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.00 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampled :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.9	26.7	40.1
229	22.9	17.3	25.9

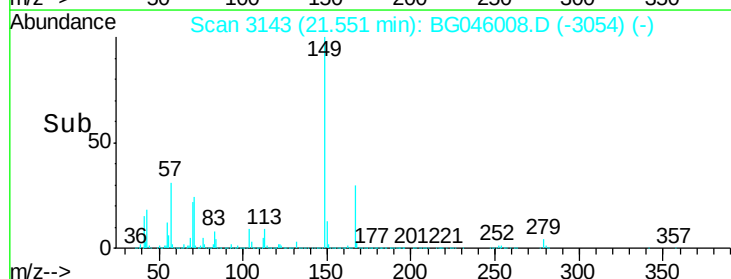
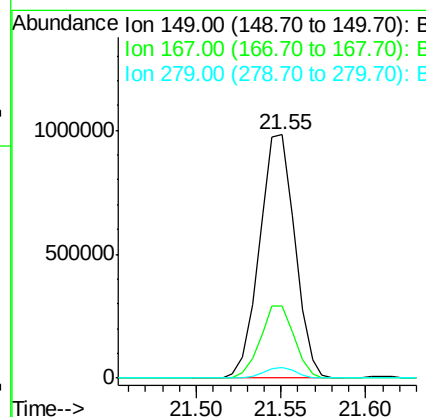
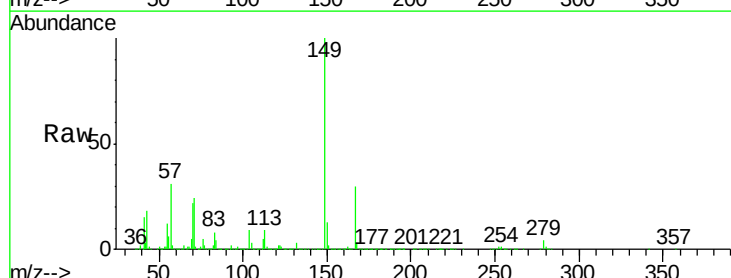
Manual Integrations
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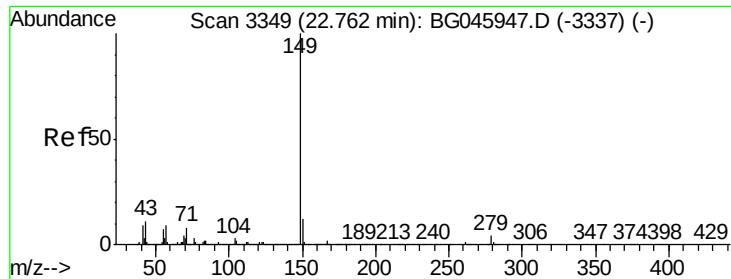
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 50.344 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.8
279	4.1	3.5	5.3





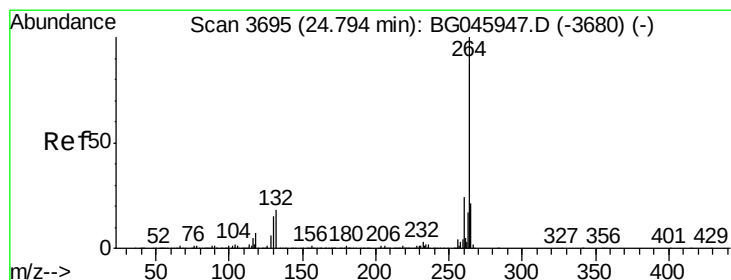
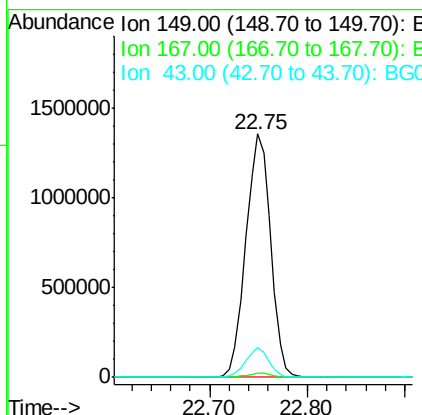
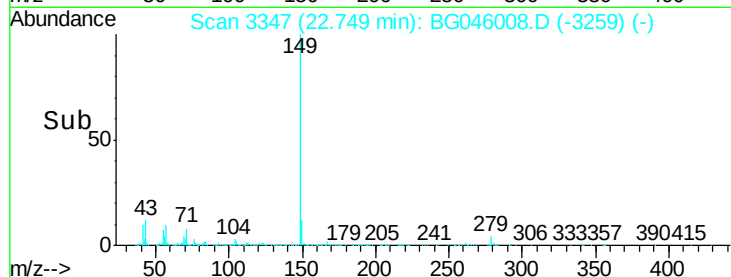
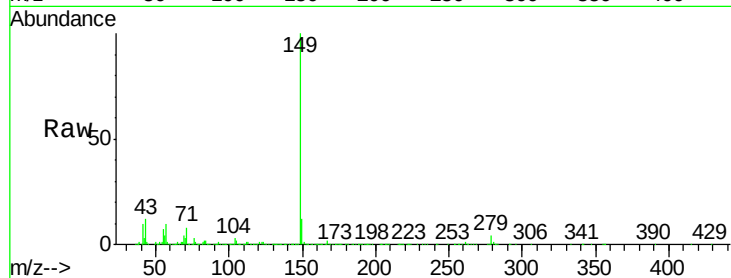
#85
Di-n-octyl phthalate
Concen: 49.115 ng
RT: 22.75 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.4	2.0
43	11.2	8.6	12.8

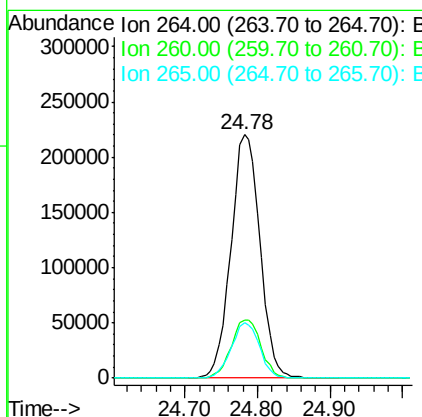
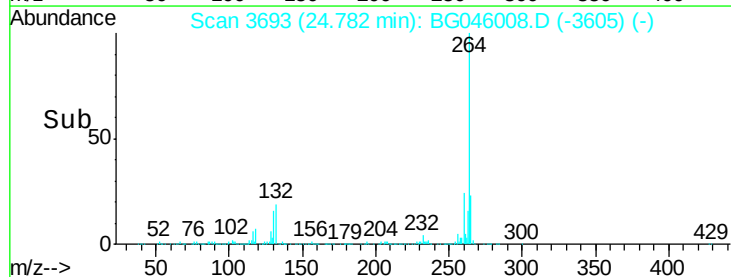
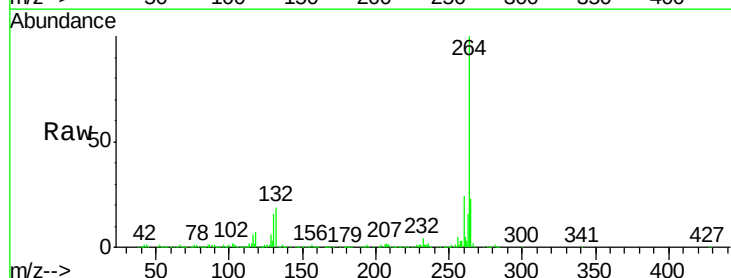
Manual Integrations
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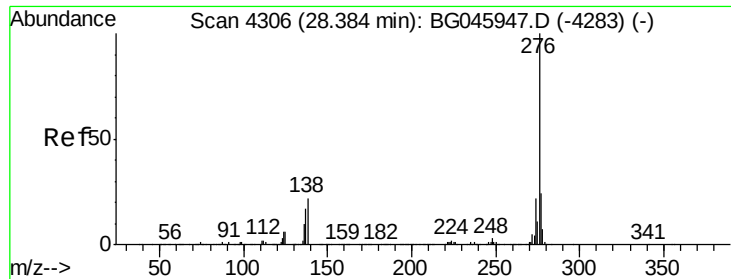
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.6	16.9	25.3





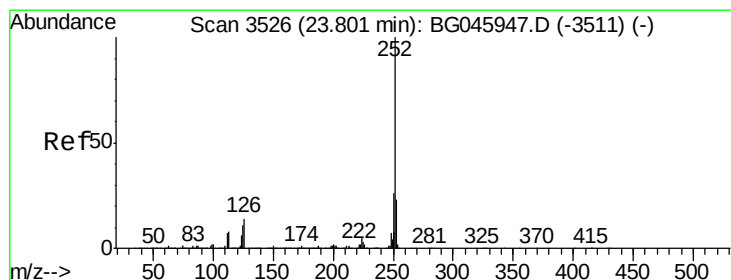
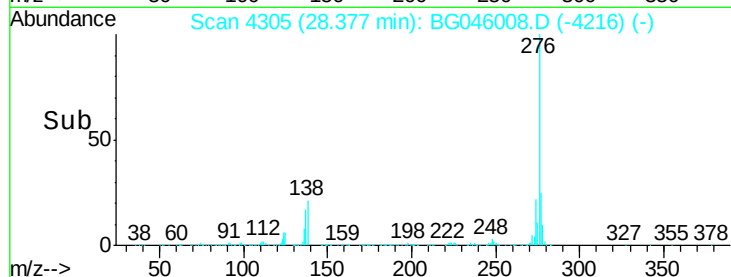
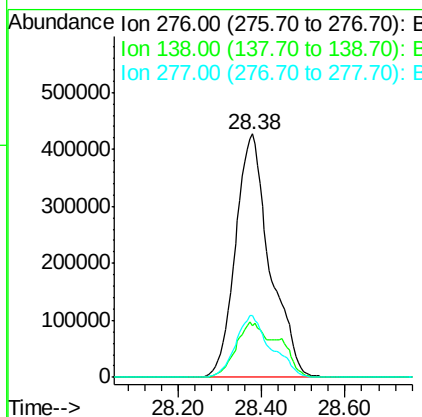
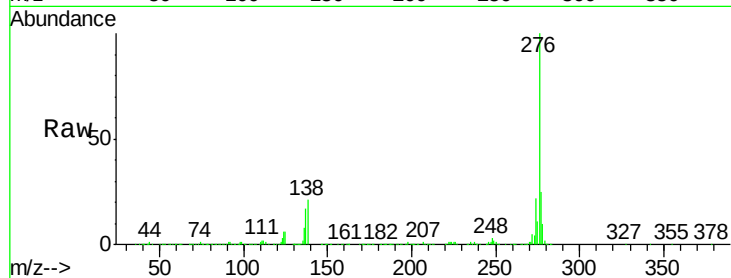
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 54.725 ng
 RT: 28.38 min Scan# 4305
 Delta R.T. -0.01 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 MH-D19MSD

Tot Ion:276 Resp: 2440216
 Ion Ratio Lower Upper
 276 100
 138 28.1 16.4 24.6#
 277 26.2 20.6 31.0

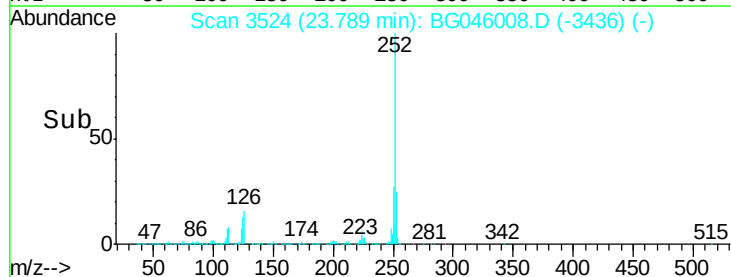
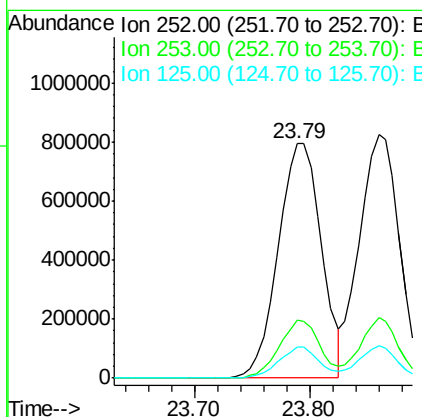
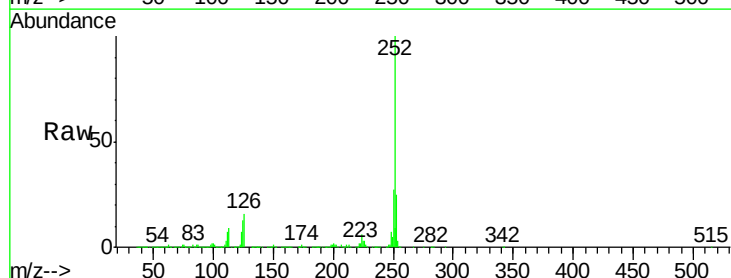
Manual Integrations
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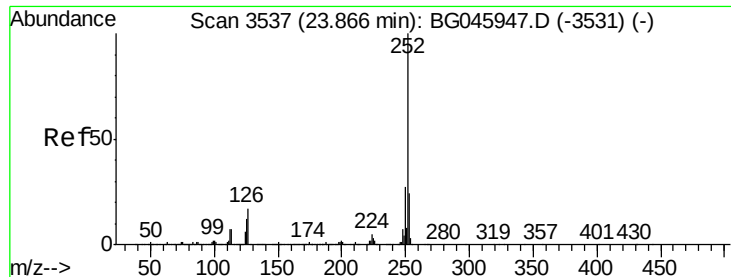
mohammad
 7/13/2020 1:03:57 PM



#88
 Benzo(b)fluoranthene
 Concen: 53.195 ng
 RT: 23.79 min Scan# 3524
 Delta R.T. -0.01 min
 Lab File: BG046008.D
 Acq: 10 Jul 2020 15:48

Tgt Ion:252 Resp: 2058246
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.5 27.7
 125 13.3 9.2 13.8





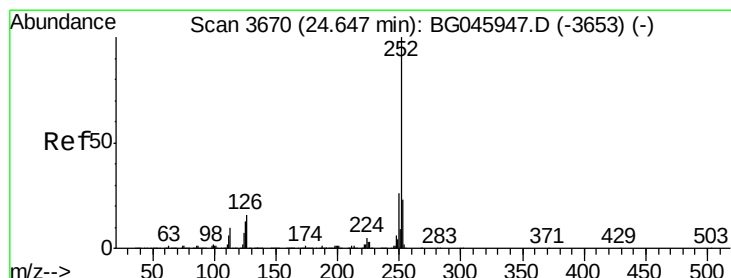
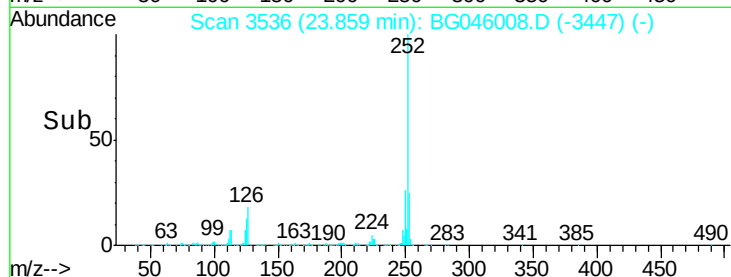
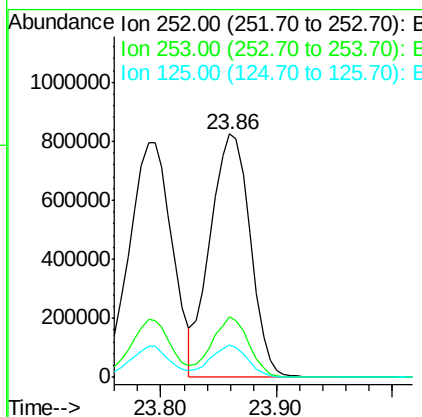
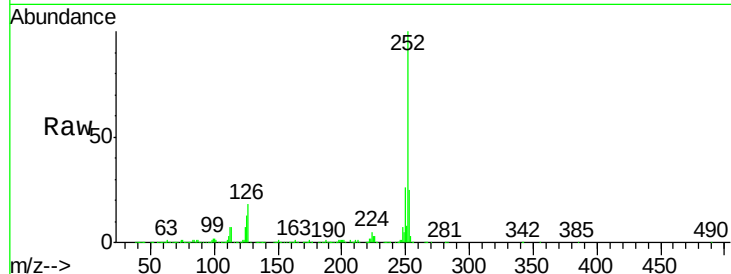
#89
Benzo(k)fluoranthene
Concen: 54.078 ng
RT: 23.86 min Scan# 3536
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	13.2	9.6	14.4

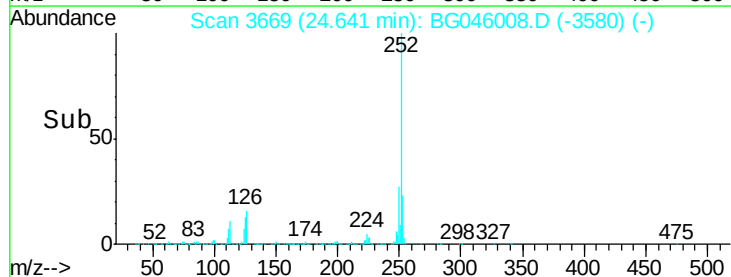
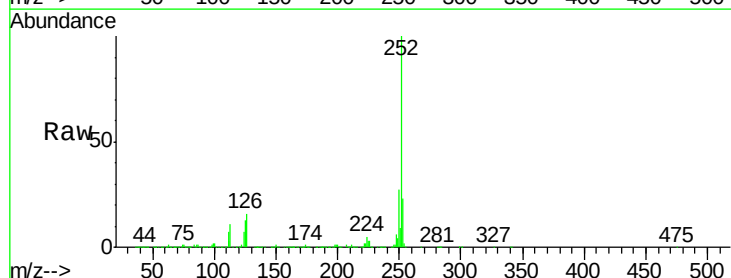
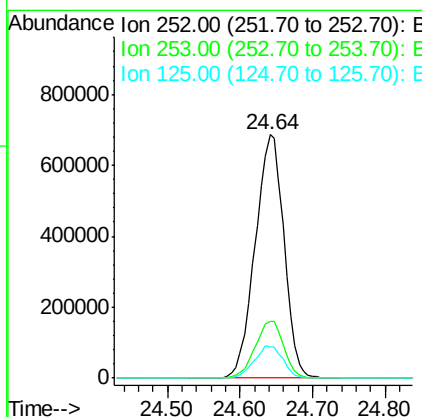
Manual Integrations
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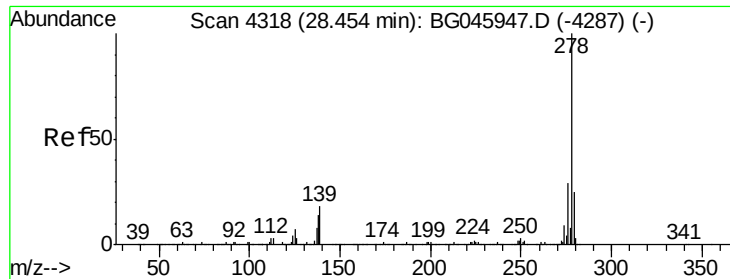
mohammad
7/13/2020 1:03:57 PM



#90
Benzo(a)pyrene
Concen: 52.062 ng
RT: 24.64 min Scan# 3669
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	13.0	10.5	15.7





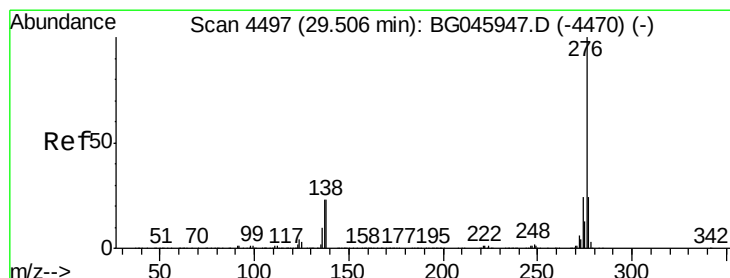
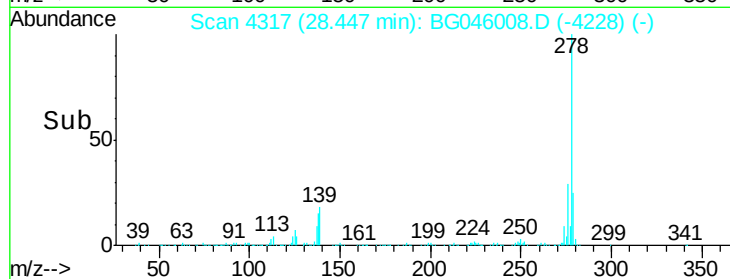
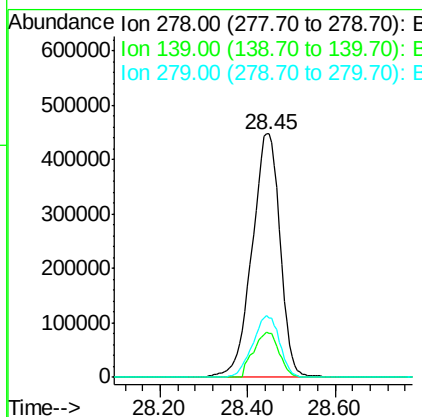
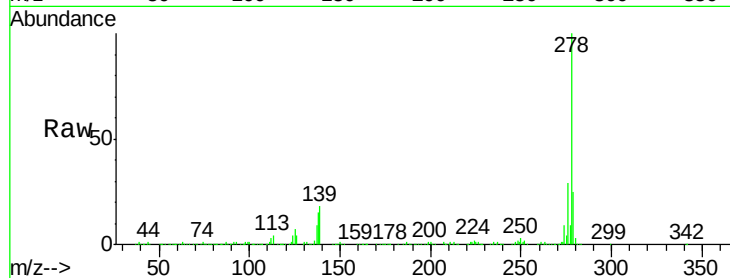
#91
Dibenzo(a,h)anthracene
Concen: 54.432 ng
RT: 28.45 min Scan# 4317
Delta R.T. -0.01 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Instrument :
BNA_G
ClientSampleId :
MH-D19MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.3	21.5
279	24.6	19.8	29.6

Manual Integrations
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7/13/2020 1:03:57 PM



#92
Benzo(g,h,i)perylene
Concen: 54.665 ng
RT: 29.49 min Scan# 4494
Delta R.T. -0.02 min
Lab File: BG046008.D
Acq: 10 Jul 2020 15:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.0
138	23.2	18.6	28.0

