

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072219\
 Data File : BG041744.D
 Acq On : 22 Jul 2019 11:31
 Operator : HP/JU
 Sample : K3615-02MS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Manual Integrations
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mohammad
 7/23/2019 4:23:40 PM

Quant Time: Jul 22 15:23:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	136567	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	547967	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	348079	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	851079	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	830056	20.00	ng	-0.01
87) Perylene-d12	24.84	264	954465	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	915249	109.56	ng	0.00
7) Phenol-d6	7.20	99	1127105	100.31	ng	0.00
23) Nitrobenzene-d5	9.21	82	840421	93.27	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	577832	147.30	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1902058	84.62	ng	0.00
79) Terphenyl-d14	20.00	244	2829272	79.65	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.50	88	109028	27.479	ng	# 15
3) Pyridine	3.91	79	253268	23.913	ng	93
4) n-Nitrosodimethylamine	3.81	42	148842	30.432	ng	99
6) Aniline	7.37	93	220677	14.613	ng	96
8) 2-Chlorophenol	7.61	128	363010	38.383	ng	98
9) Benzaldehyde	7.17	77	148929	18.683	ng	99
10) Phenol	7.23	94	376274	31.784	ng	100
11) bis(2-Chloroethyl)ether	7.46	93	353785	37.002	ng	97
12) 1,3-Dichlorobenzene	7.94	146	379217	33.604	ng	97
13) 1,4-Dichlorobenzene	8.08	146	383478	33.933	ng	98
14) 1,2-Dichlorobenzene	8.40	146	368033	34.541	ng	96
15) Benzyl Alcohol	8.28	79	314657	35.174	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.58	45	631475	31.874	ng	98
17) 2-Methylphenol	8.48	107	303327	37.050	ng	98
18) Hexachloroethane	9.14	117	137443	33.204	ng	98
19) n-Nitroso-di-n-propylamine	8.85	70	290823	35.411	ng	94
20) 3+4-Methylphenols	8.81	107	412301	36.749	ng	99
22) Acetophenone	8.87	105	540375	40.490	ng	# 95
24) Nitrobenzene	9.25	77	401584	40.856	ng	100
25) Isophorone	9.77	82	760493	38.545	ng	100
26) 2-Nitrophenol	9.96	139	200460	44.800	ng	95
27) 2,4-Dimethylphenol	10.02	122	347377	44.498	ng	99
28) bis(2-Chloroethoxy)methane	10.25	93	473105	38.905	ng	99
29) 2,4-Dichlorophenol	10.49	162	389633	43.777	ng	98
30) 1,2,4-Trichlorobenzene	10.72	180	410337	39.265	ng	98
31) Naphthalene	10.90	128	1063673	39.428	ng	98
32) Benzoic acid	10.13	122	157731	29.293	ng	97
33) 4-Chloroaniline	11.00	127	64497	5.183	ng	98
34) Hexachlorobutadiene	11.20	225	256360	38.167	ng	99
35) Caprolactam	11.77	113	99408m	30.386	ng	
36) 4-Chloro-3-methylphenol	12.11	107	391718	42.011	ng	99
37) 2-Methylnaphthalene	12.50	142	827822	40.164	ng	99
38) 1-Methylnaphthalene	12.72	142	791101	40.261	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.87	216	487684	40.903	ng	99

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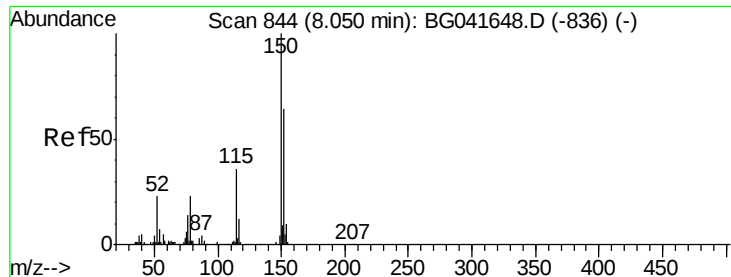
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
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 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.86	237	509621	75.560	nq	98
43) 2,4,6-Trichlorophenol	13.10	196	335066	43.251	nq	99
44) 2,4,5-Trichlorophenol	13.17	196	356045	43.620	nq	98
46) 1,1'-Biphenyl	13.50	154	1053237	40.389	nq	99
47) 2-Chloronaphthalene	13.54	162	860338	39.586	nq	99
48) 2-Nitroaniline	13.74	65	269600	42.605	nq	94
49) Acenaphthylene	14.39	152	1342110	39.557	nq	99
50) Dimethylphthalate	14.12	163	1184343	43.323	nq	99
51) 2,6-Dinitrotoluene	14.23	165	266242	45.914	nq	94
52) Acenaphthene	14.73	154	913999	42.748	nq	98
53) 3-Nitroaniline	14.55	138	123072	19.443	nq	93
54) 2,4-Dinitrophenol	14.76	184	218780	75.170	nq	92
55) Dibenzofuran	15.06	168	1304081	40.646	nq	99
56) 4-Nitrophenol	14.86	139	418474	81.656	nq	96
57) 2,4-Dinitrotoluene	15.01	165	364258	47.521	nq	98
58) Fluorene	15.70	166	1054877	40.407	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.28	232	347477	46.112	nq	98
60) Diethylphthalate	15.48	149	1123293	40.787	nq	99
61) 4-Chlorophenyl-phenylether	15.70	204	613087	41.545	nq	97
62) 4-Nitroaniline	15.72	138	278548	41.492	nq	99
63) Azobenzene	15.99	77	967813	38.870	nq	98
65) 4,6-Dinitro-2-methylphenol	15.78	198	180139	45.061	nq	94
66) n-Nitrosodiphenylamine	15.91	169	1014395	40.587	nq	99
67) 4-Bromophenyl-phenylether	16.59	248	418997	41.375	nq	100
68) Hexachlorobenzene	16.71	284	417161	40.908	nq	99
69) Atrazine	16.86	200	405736	44.734	nq	99
70) Pentachlorophenol	17.05	266	537019	84.223	nq	99
71) Phenanthrene	17.44	178	1735874	40.501	nq	99
72) Anthracene	17.53	178	1760277	41.202	nq	99
73) Carbazole	17.80	167	1645405	41.527	nq	99
74) Di-n-butylphthalate	18.36	149	1862593	38.542	nq	99
75) Fluoranthene	19.44	202	2107317	40.041	nq	99
77) Benzidine	19.61	184	204403	4.560	nq	97
78) Pyrene	19.80	202	2113951	37.656	nq	99
80) Butylbenzylphthalate	20.69	149	923749	39.598	nq	95
81) Benzo(a)anthracene	21.63	228	2085908	38.894	nq	100
82) 3,3'-Dichlorobenzidine	21.55	252	441250	20.908	nq	98
83) Chrysene	21.70	228	2033717	39.685	nq	100
84) Bis(2-ethylhexyl)phthalate	21.55	149	1281207	38.898	nq	99
85) Di-n-octyl phthalate	22.76	149	2199838	39.218	nq	95
86) Indeno(1,2,3-cd)pyrene	28.49	276	2768829	40.948	nq	# 92
88) Benzo(b)fluoranthene	23.84	252	2326342	40.182	nq	100
89) Benzo(k)fluoranthene	23.90	252	2268643	42.289	nq	99
90) Benzo(a)pyrene	24.69	252	2294352	41.885	nq	99
91) Dibenzo(a,h)anthracene	28.55	278	2246495	42.298	nq	99
92) Benzo(g,h,i)perylene	29.64	276	2288687	43.001	nq	99

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



#1

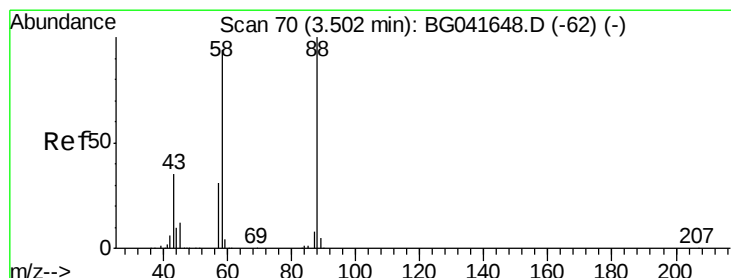
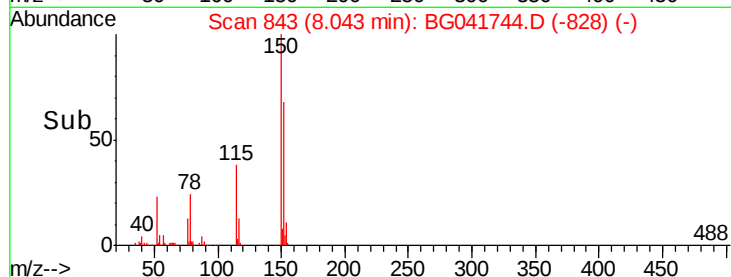
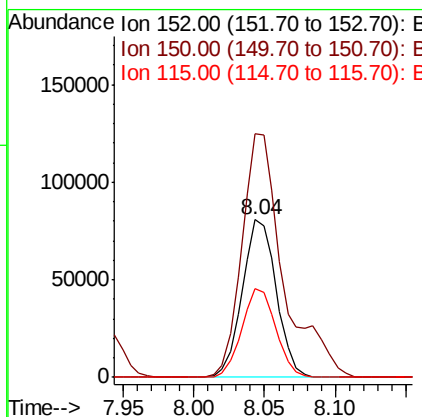
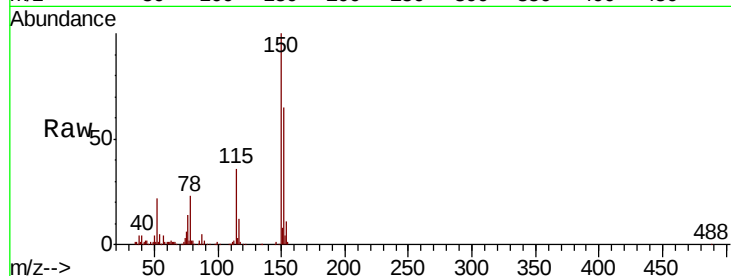
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.9	190.3
115	56.1	45.0	67.6

Manual Integrations
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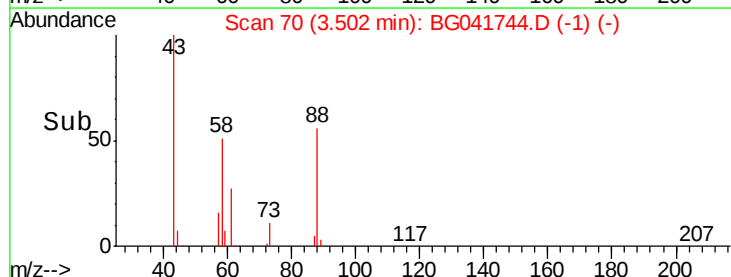
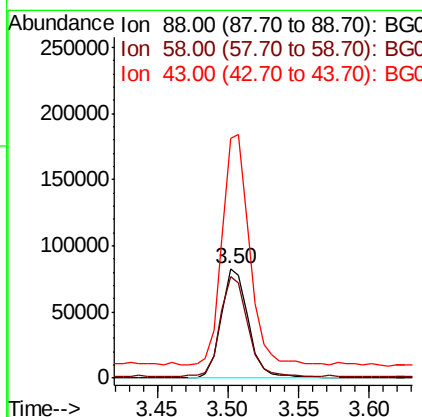
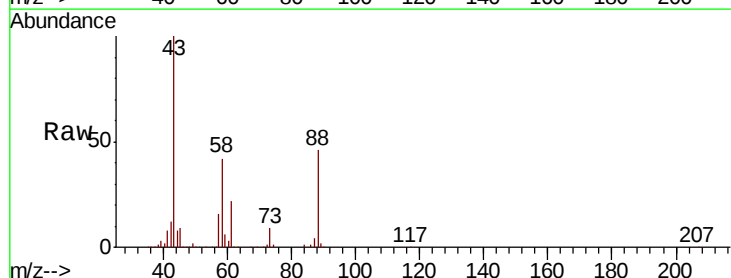
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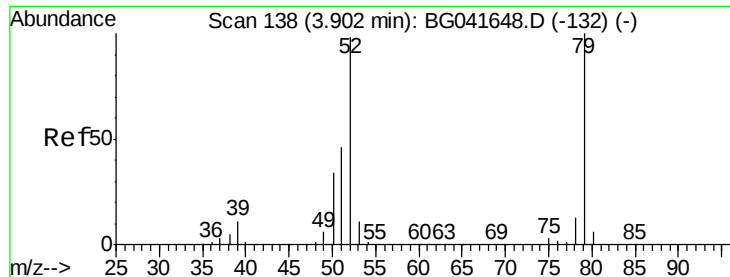


#2

1,4-Dioxane
Concen: 27.479 ng
RT: 3.50 min Scan# 70
Delta R.T. 0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.5	76.2	114.2
43	214.8	27.2	40.8#





#3

Pvridine

Concen: 23.913 ng

RT: 3.91 min Scan# 139

Delta R.T. 0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

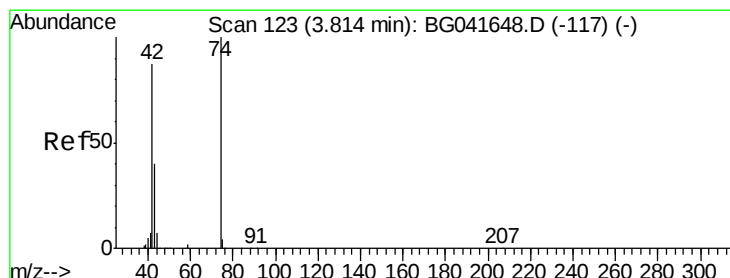
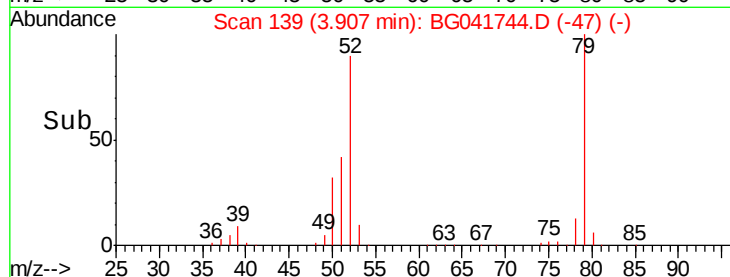
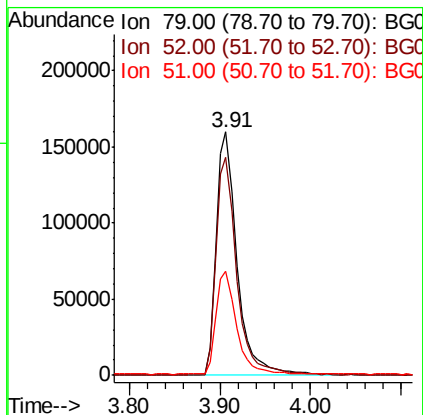
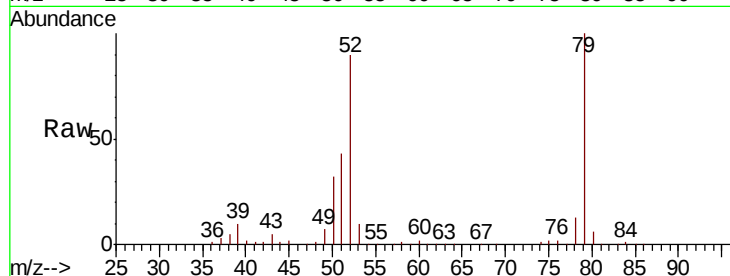
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	79	Resp:	253268
Ion	Ratio	Lower	Upper
79	100		
52	89.6	77.1	115.7
51	42.7	37.8	56.8

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#4

n-Nitrosodimethylamine

Concen: 30.432 ng

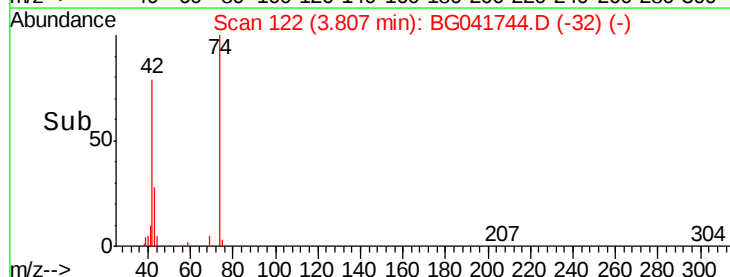
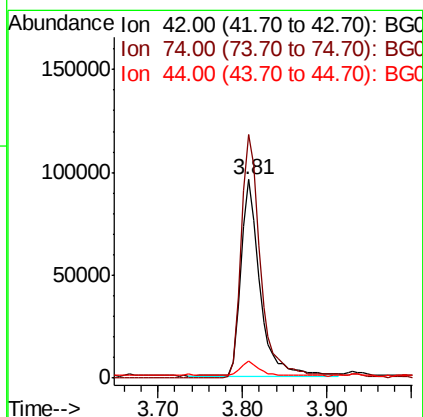
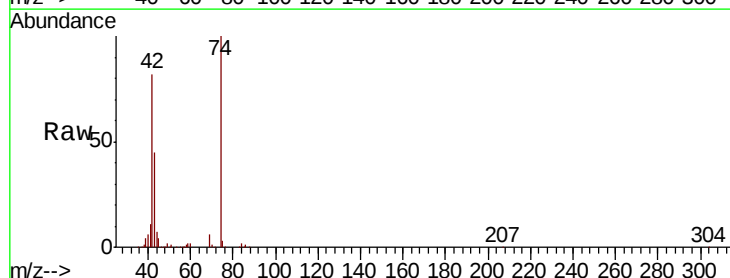
RT: 3.81 min Scan# 122

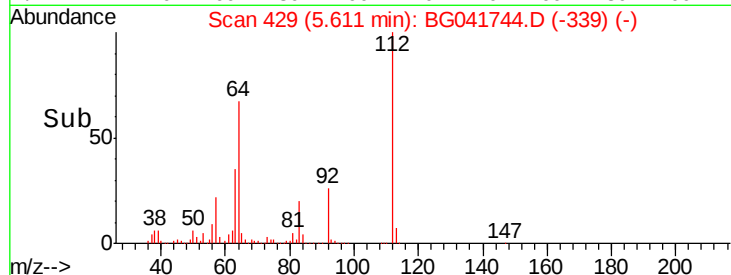
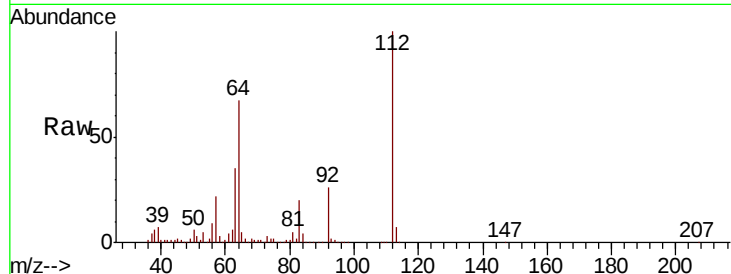
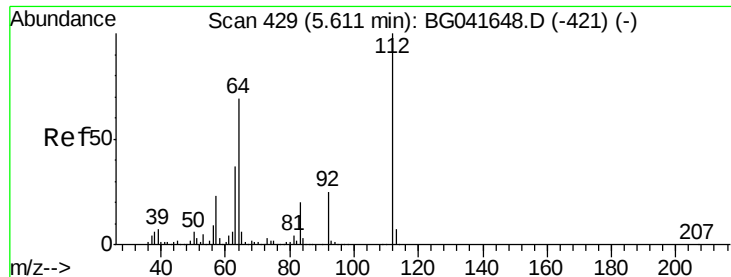
Delta R.T. 0.00 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	42	Resp:	148842
Ion	Ratio	Lower	Upper
42	100		
74	122.5	97.4	146.2
44	8.5	6.6	9.8





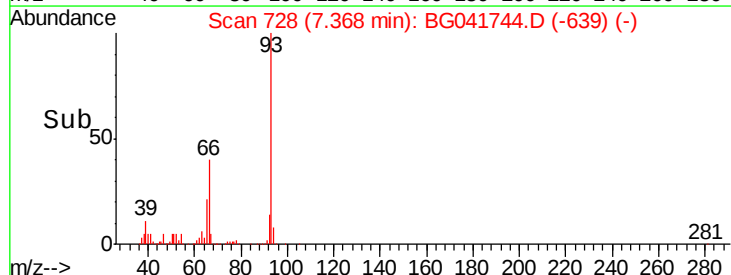
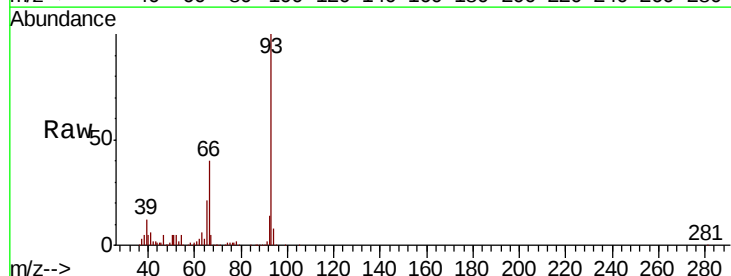
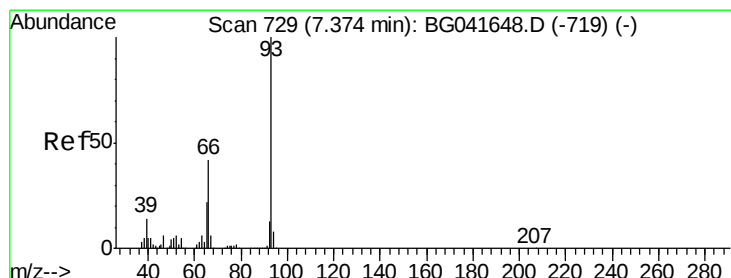
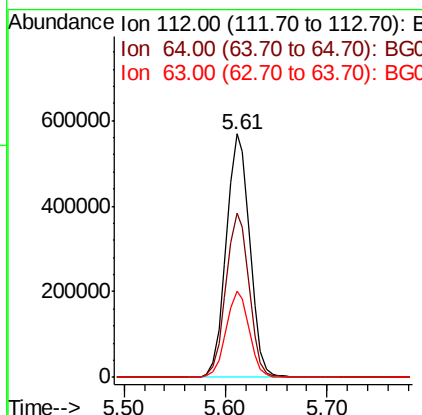
#5
2-Fluorophenol
Concen: 109.558 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.00 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	67.3	55.4	83.2
63	35.3	29.1	43.7

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

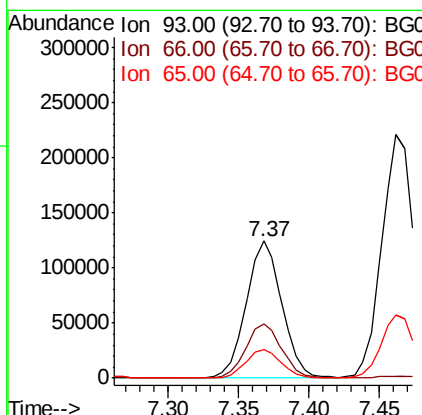
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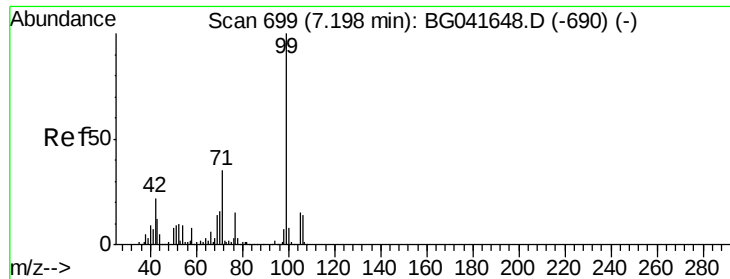
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#6
Aniline
Concen: 14.613 ng
RT: 7.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	40.0	34.2	51.2
65	20.8	18.2	27.2





#7

Phenol-d6

Concen: 100.307 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion: 99 Resp: 1127105

Ion Ratio Lower Upper

99 100

42 20.5 17.6 26.4

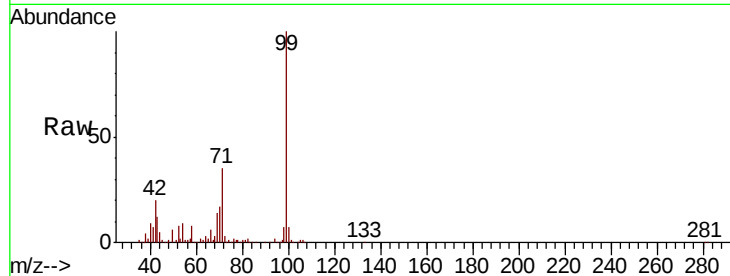
71 34.8 27.8 41.6

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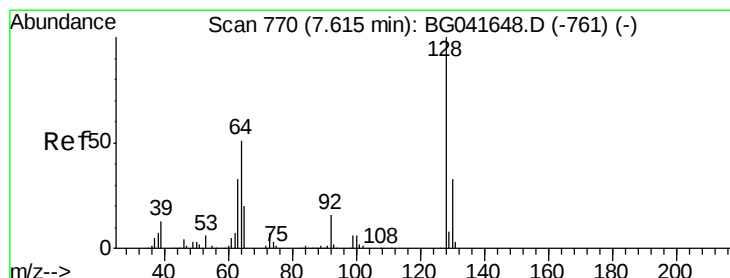
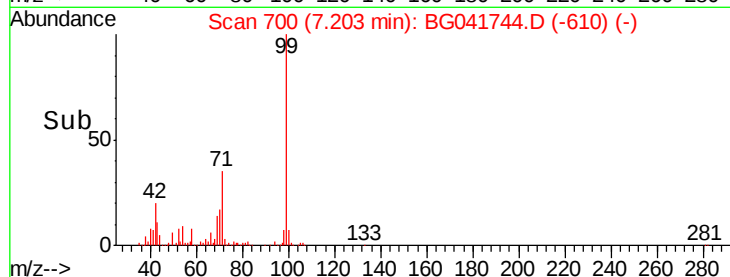
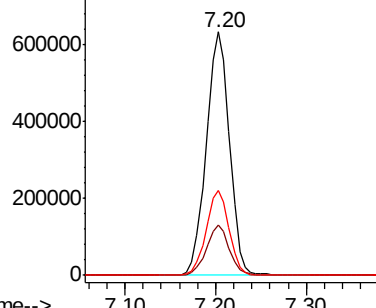


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 38.383 ng

RT: 7.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

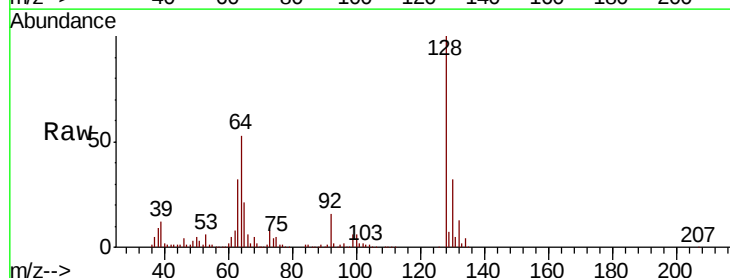
Tgt Ion: 128 Resp: 363010

Ion Ratio Lower Upper

128 100

130 32.0 12.4 52.4

64 52.6 34.9 74.9

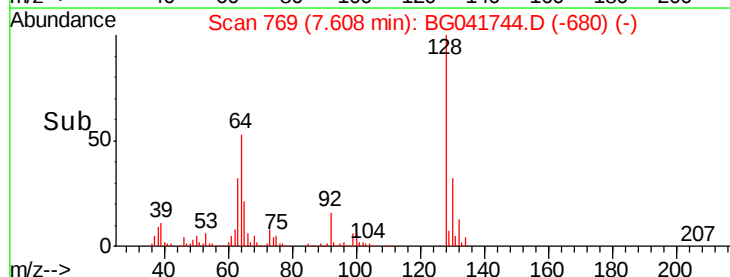
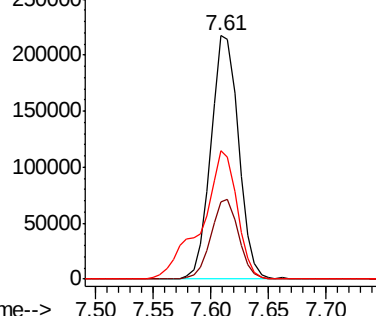


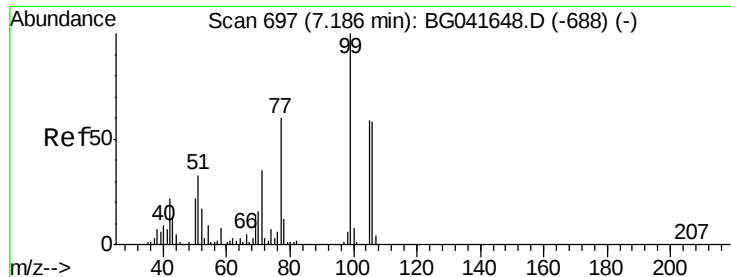
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 18.683 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

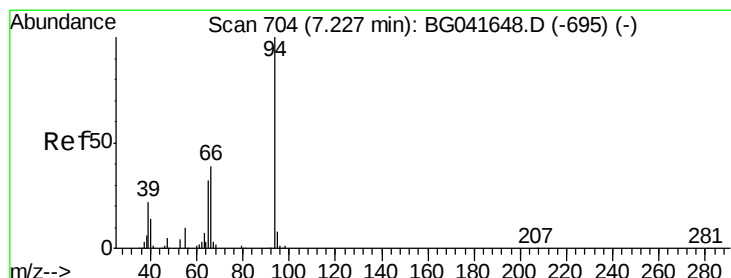
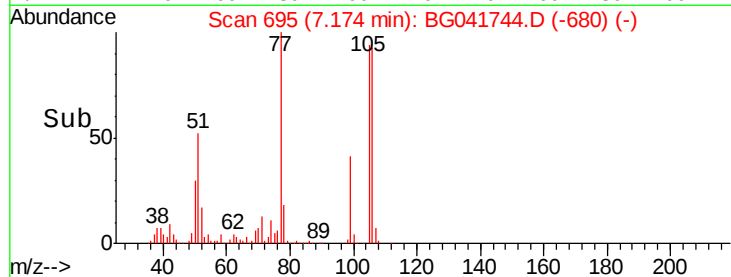
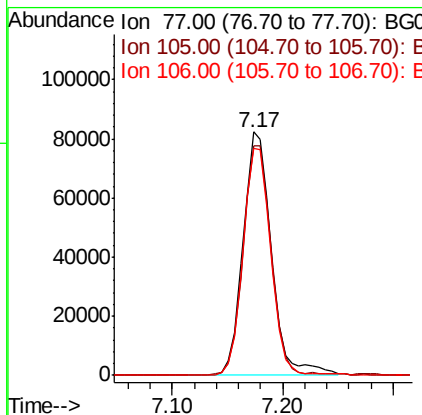
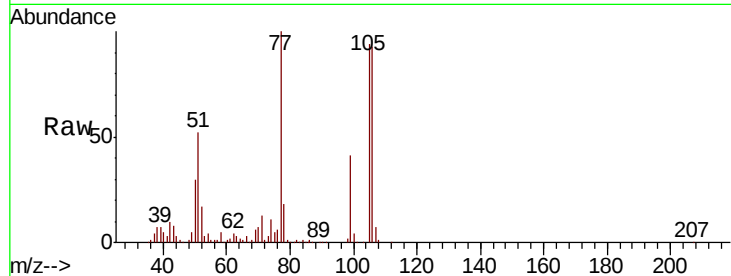
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	77	Resp:	148929
Ion Ratio	Lower	Upper	
77	100		
105	94.1	74.6	114.6
106	93.1	71.1	111.1

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#10

Phenol

Concen: 31.784 ng

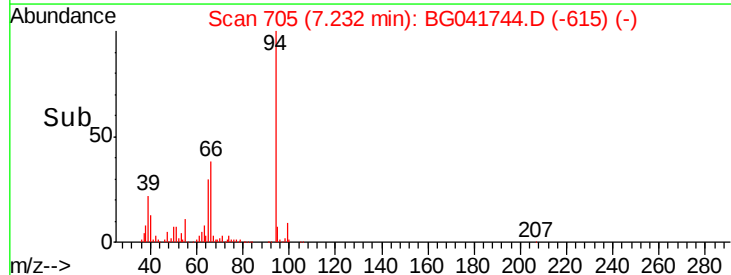
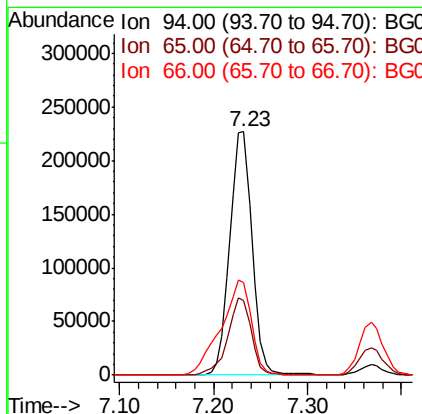
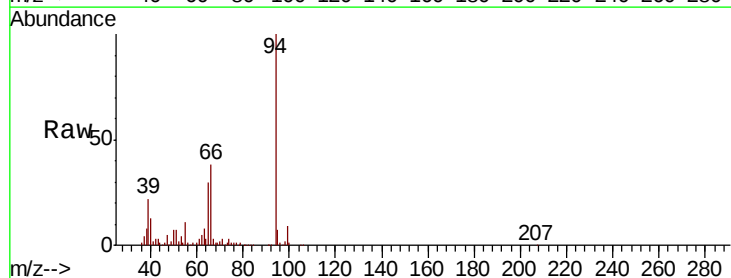
RT: 7.23 min Scan# 705

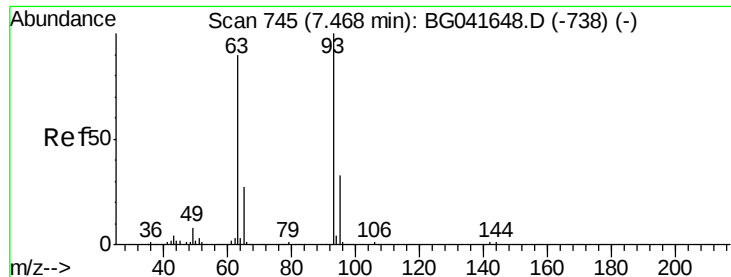
Delta R.T. 0.00 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	94	Resp:	376274
Ion Ratio	Lower	Upper	
94	100		
65	30.5	10.6	50.6
66	38.1	18.2	58.2





#11

bis(2-Chloroethyl)ether

Concen: 37.002 ng

RT: 7.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

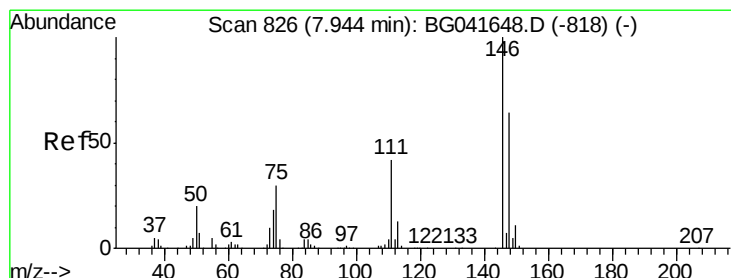
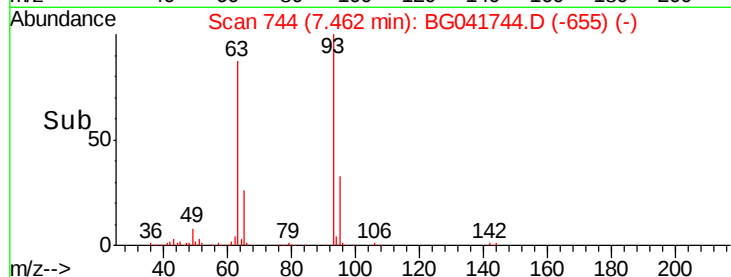
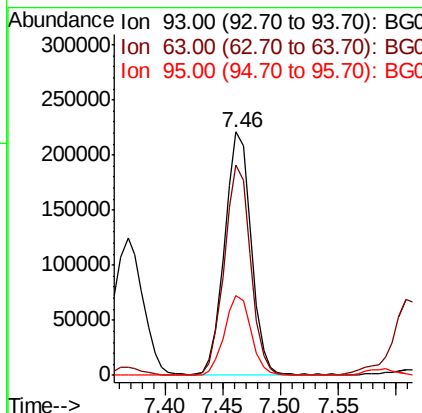
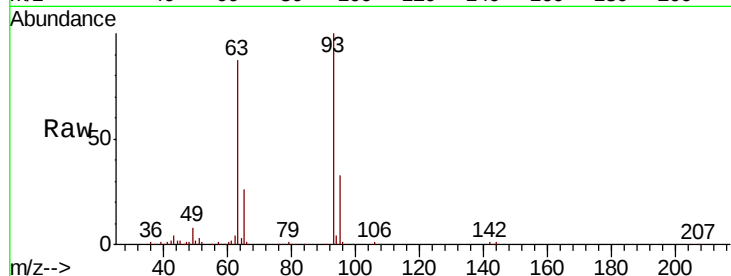
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	93	Resp:	353785
Ion	Ratio	Lower	Upper
93	100		
63	86.5	70.4	110.4
95	32.6	12.8	52.8

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#12

1,3-Dichlorobenzene

Concen: 33.604 ng

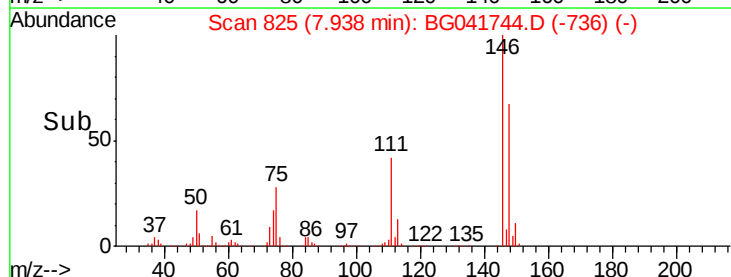
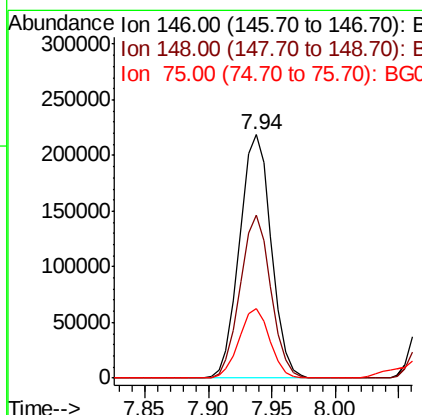
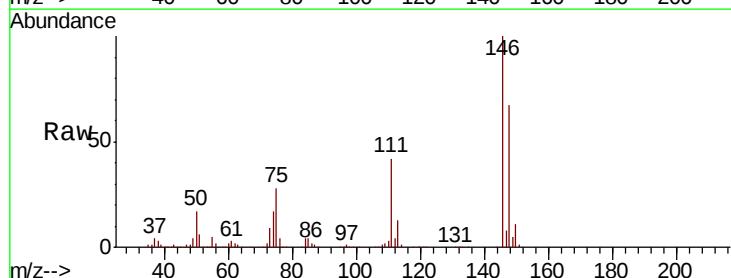
RT: 7.94 min Scan# 825

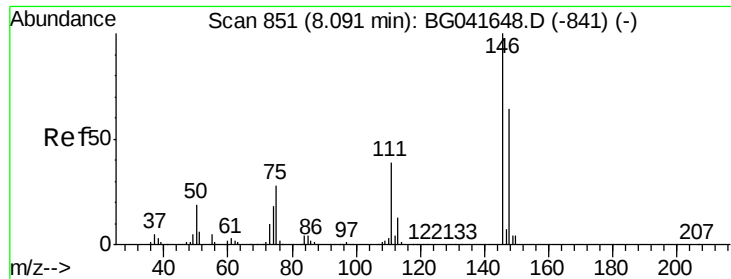
Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	146	Resp:	379217
Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.5	77.3
75	28.4	23.2	34.8





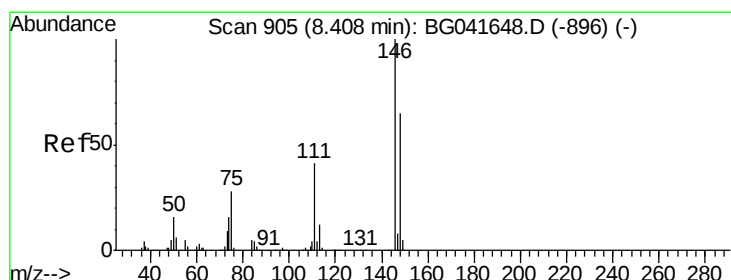
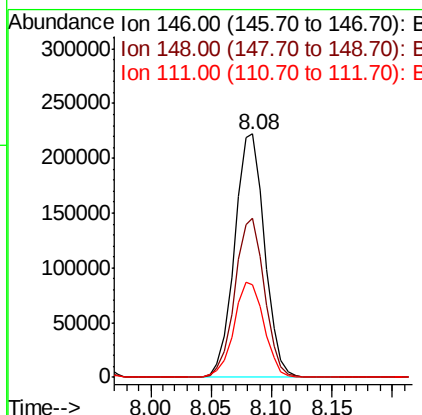
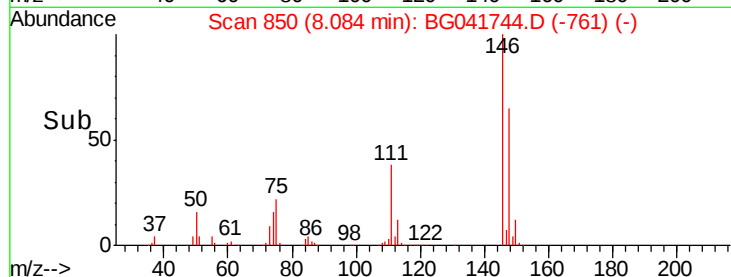
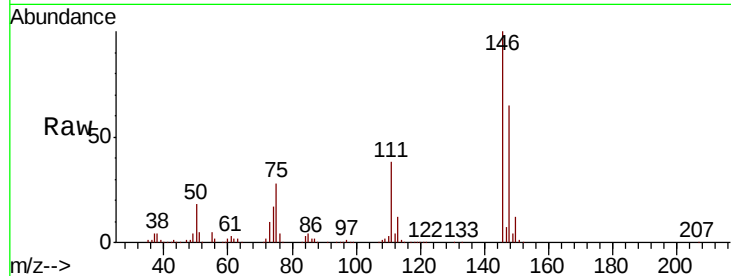
#13
1,4-Dichlorobenzene
Concen: 33.933 ng
RT: 8.08 min Scan# 850
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.6	79.0
111	37.8	32.5	48.7

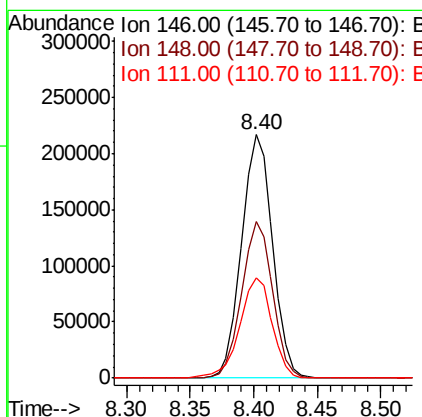
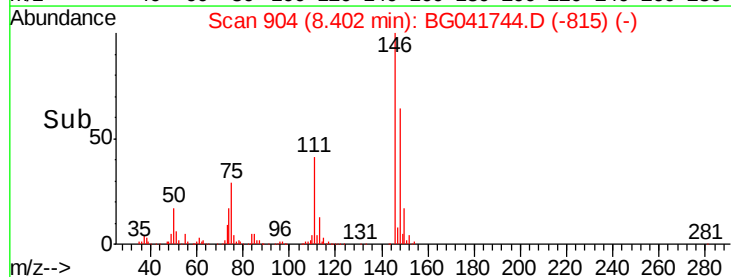
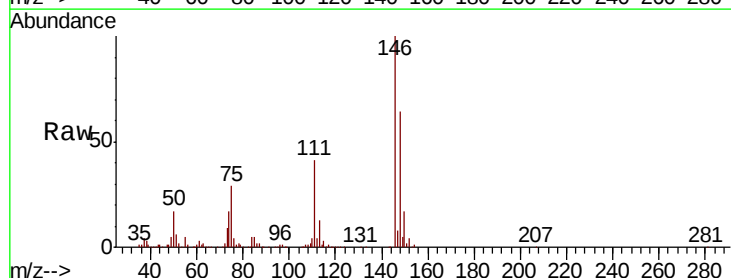
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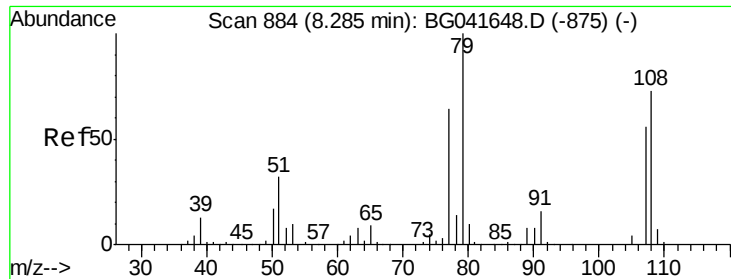
mohammad
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#14
1,2-Dichlorobenzene
Concen: 34.541 ng
RT: 8.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	53.5	80.3
111	41.2	35.4	53.0





#15

Benzyl Alcohol

Concen: 35.174 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

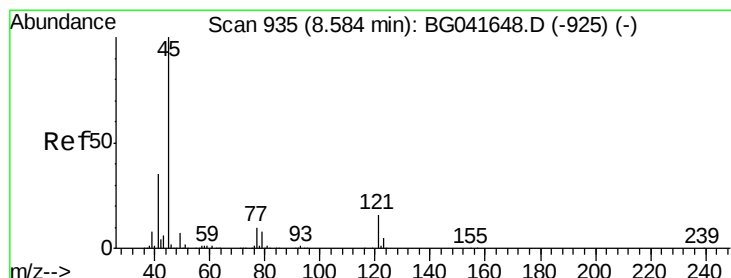
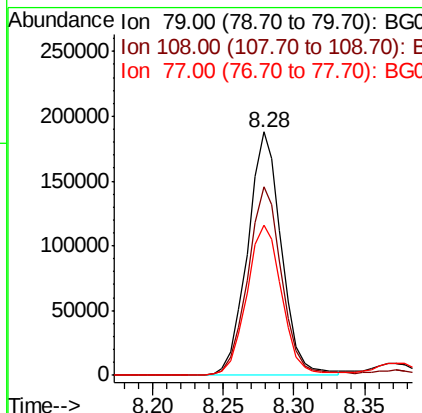
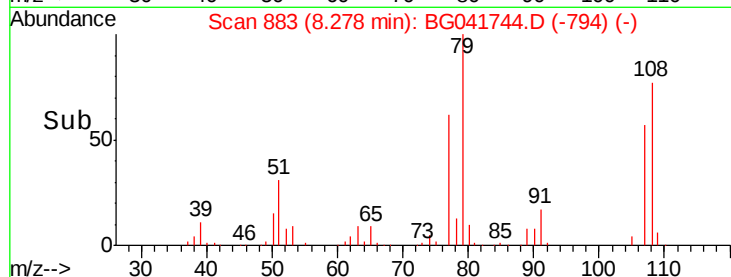
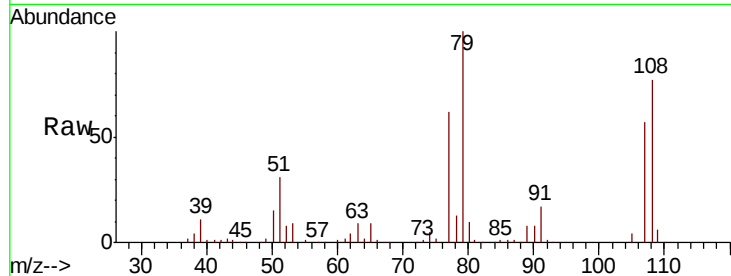
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	79	Resp:	314657
Ion Ratio	Lower	Upper	
79	100		
108	77.3	60.5	90.7
77	61.7	50.6	75.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.874 ng

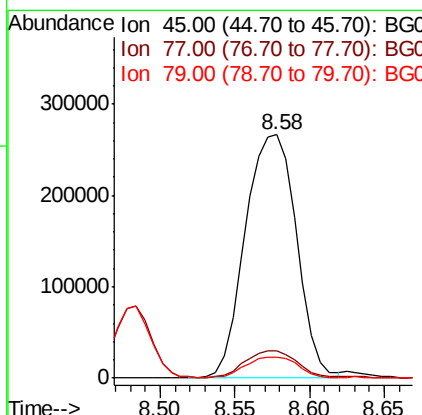
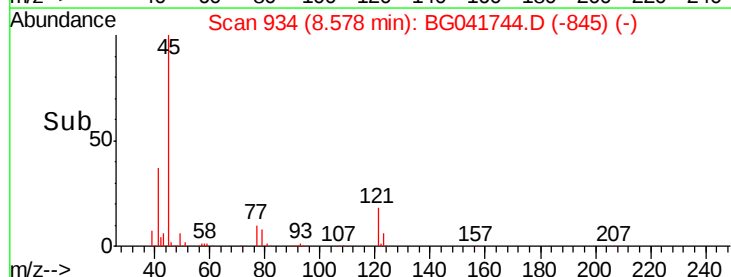
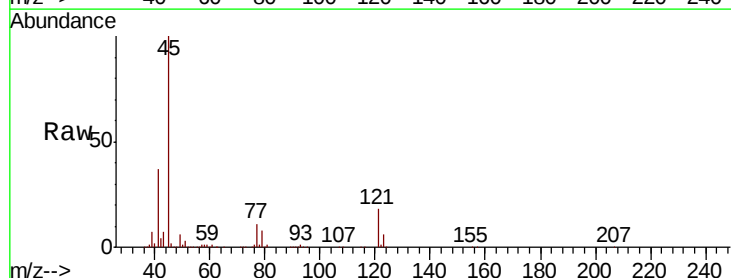
RT: 8.58 min Scan# 934

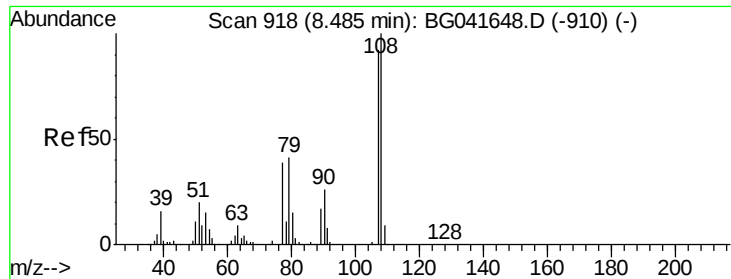
Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	45	Resp:	631475
Ion Ratio	Lower	Upper	
45	100		
77	11.1	0.0	30.4
79	8.3	0.0	27.9





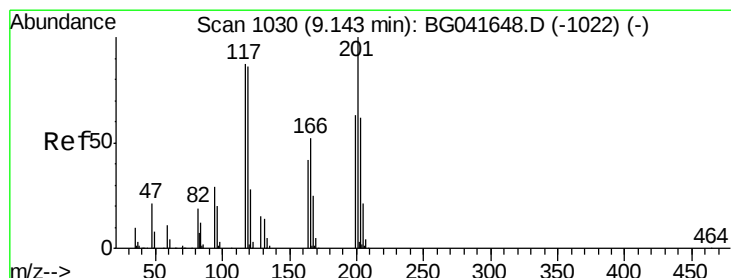
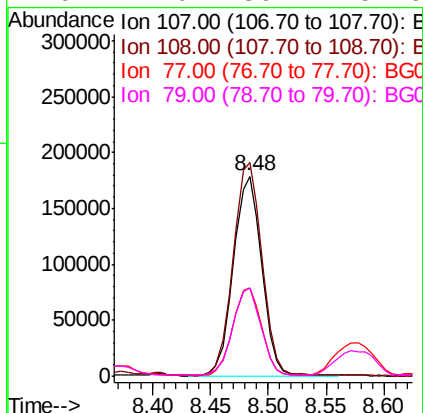
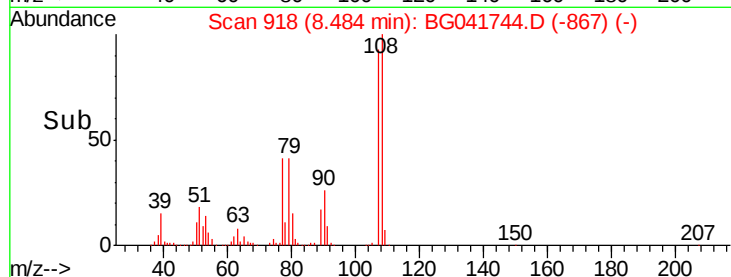
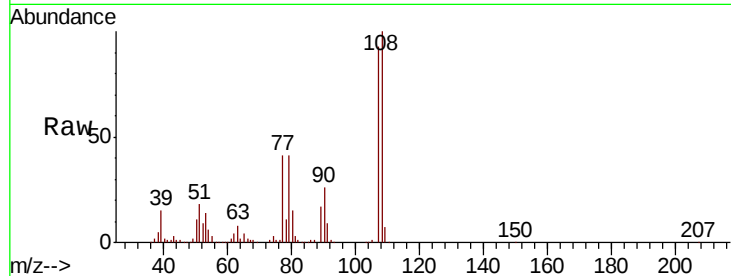
#17
2-Methylphenol
Concen: 37.050 ng
RT: 8.48 min Scan# 918
Delta R.T. 0.00 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.0	87.6	131.4	
77	44.3	36.1	54.1	
79	44.0	36.4	54.6	

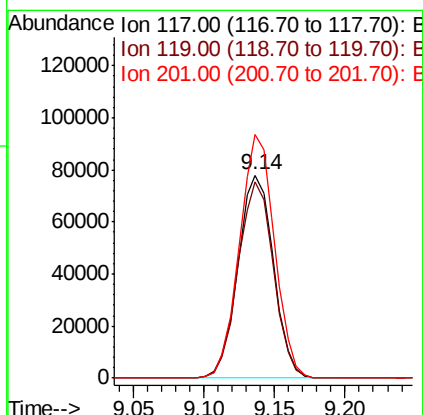
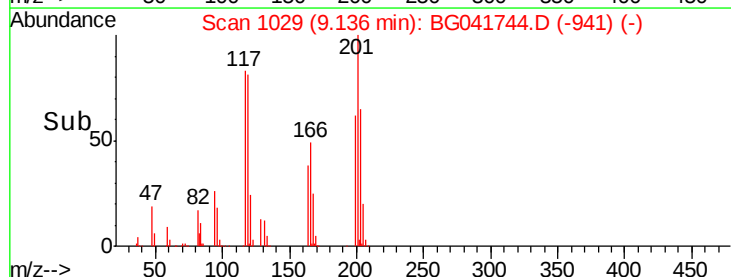
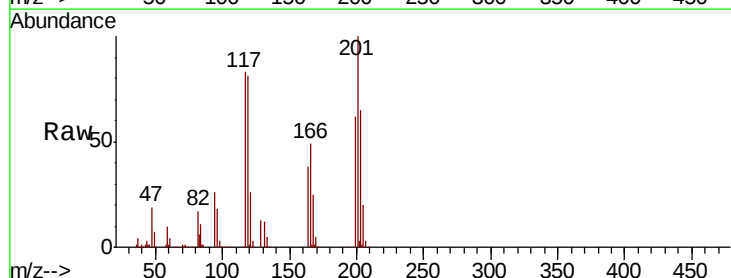
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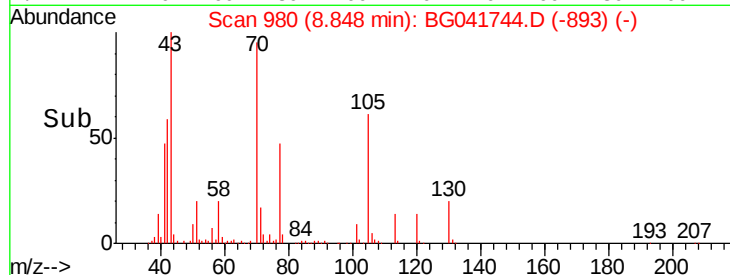
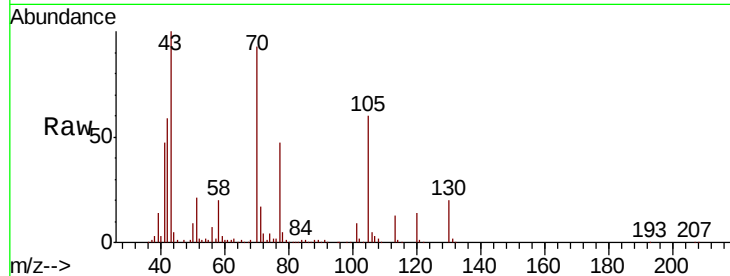
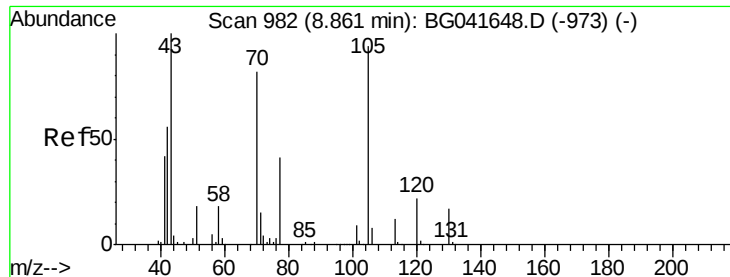
mohammad
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#18
Hexachloroethane
Concen: 33.204 ng
RT: 9.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.9	76.2	114.2	
201	120.1	94.1	141.1	





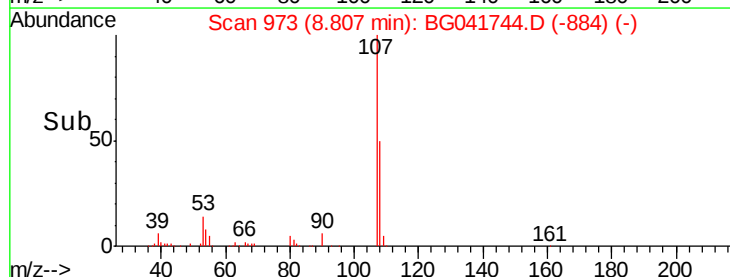
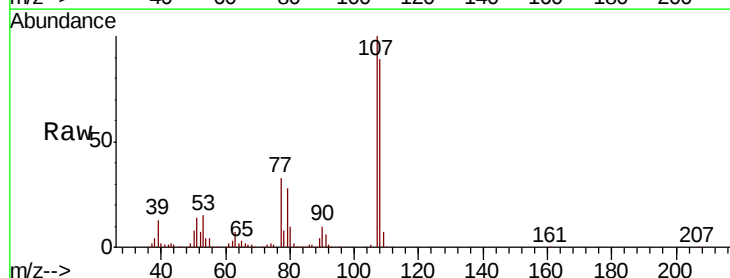
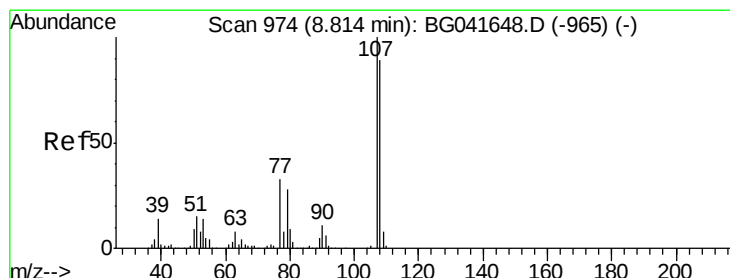
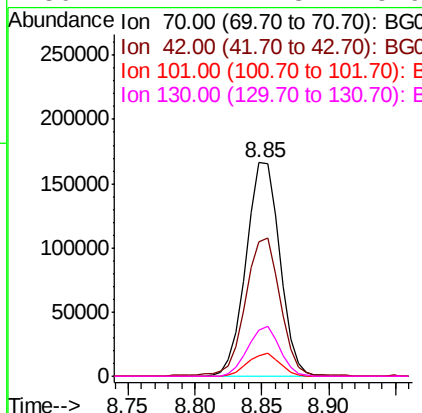
#19
n-Nitroso-di-n-propylamine
Concen: 35.411 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.02 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		290823		
42	62.8	55.8	83.6		
101	9.8	8.1	12.1		
130	21.7	17.3	25.9		

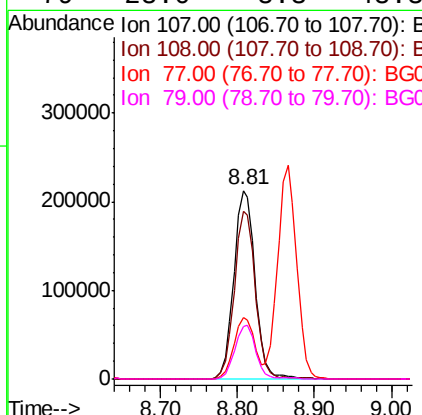
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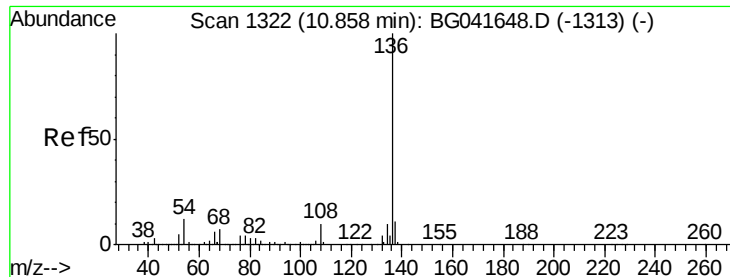
mohammad
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#20
3+4-Methylphenols
Concen: 36.749 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		412301		
108	89.1	67.5	107.5		
77	32.9	12.3	52.3		
79	28.0	8.3	48.3		





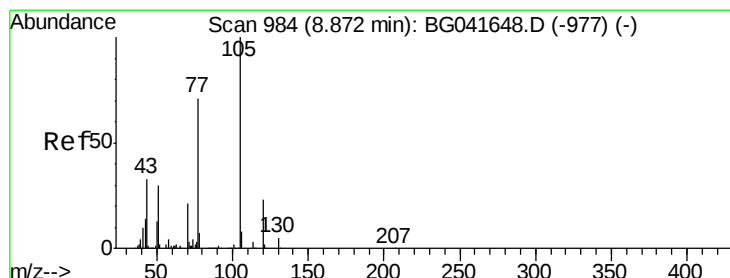
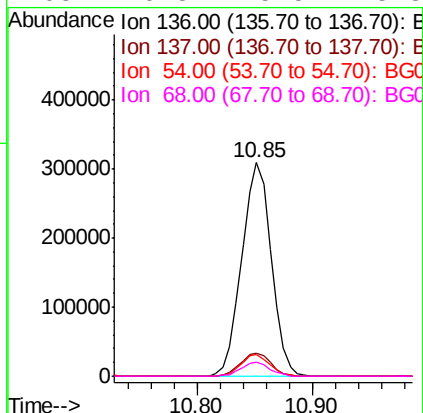
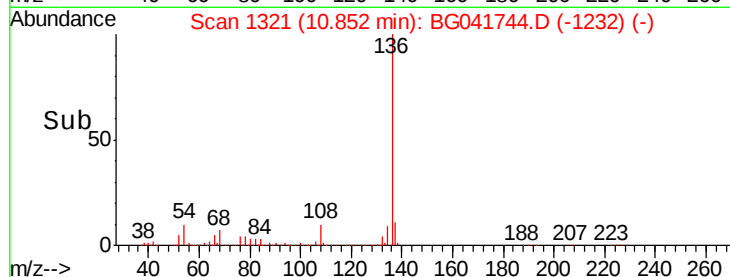
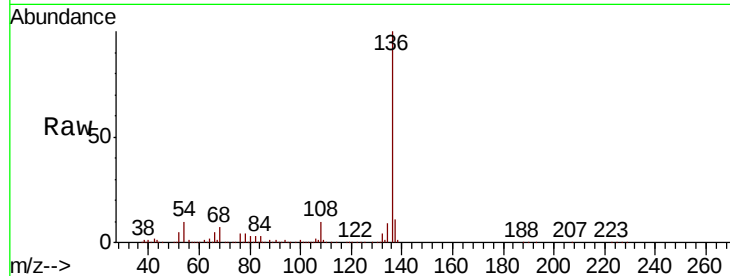
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		547967		
137	10.6		9.2	13.8	
54	10.5		8.7	13.1	
68	6.8		5.5	8.3	

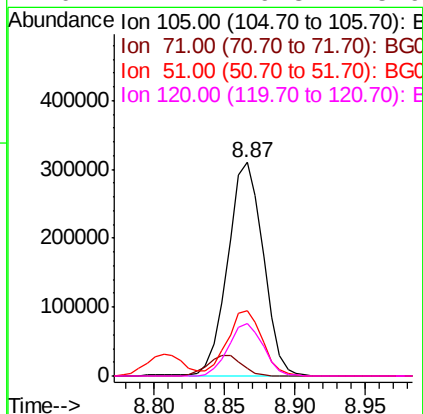
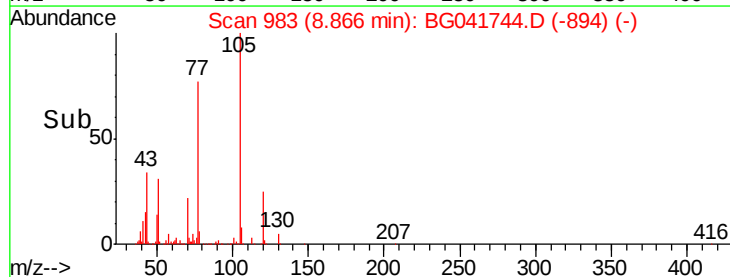
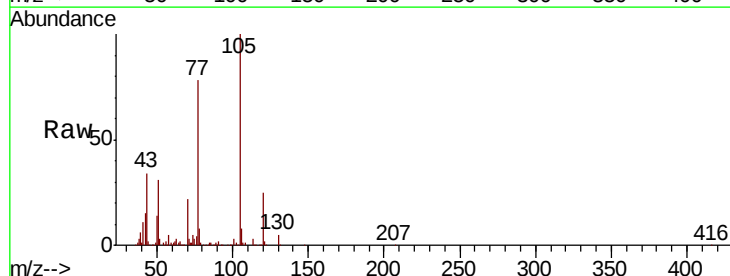
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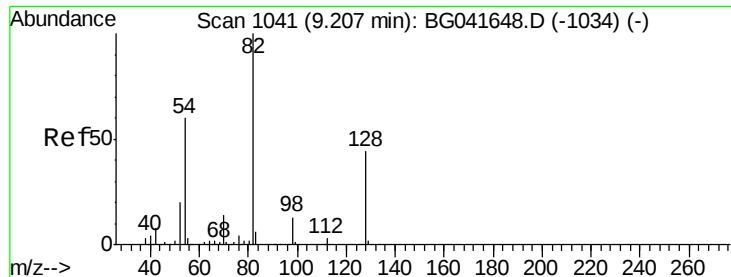
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#22
Acetophenone
Concen: 40.490 ng
RT: 8.87 min Scan# 983
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		540375		
71	3.4		5.9	8.9#	
51	30.8		27.7	41.5	
120	24.7		19.3	28.9	





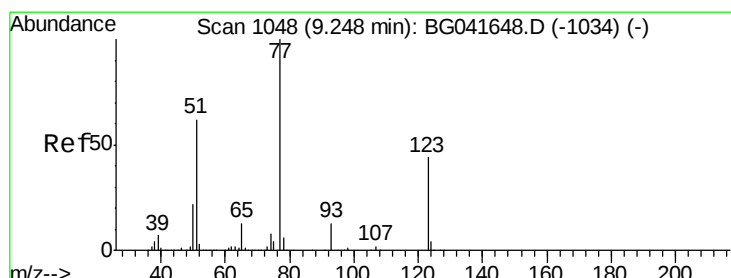
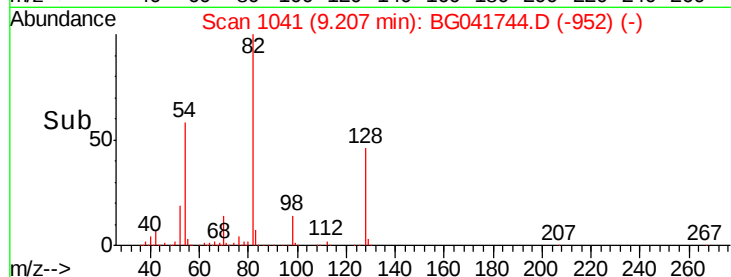
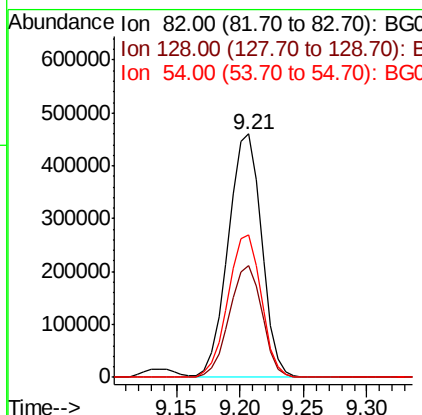
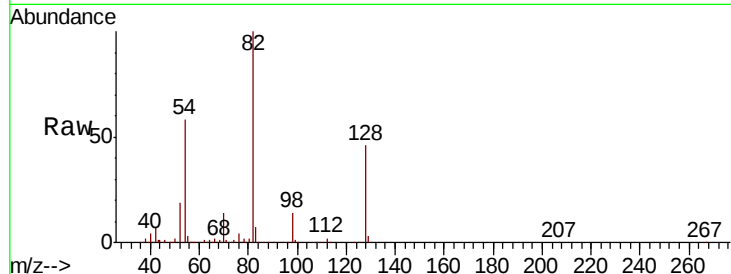
#23
 Nitrobenzene-d5
 Concen: 93.272 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	35.1	52.7
54	58.3	48.7	73.1

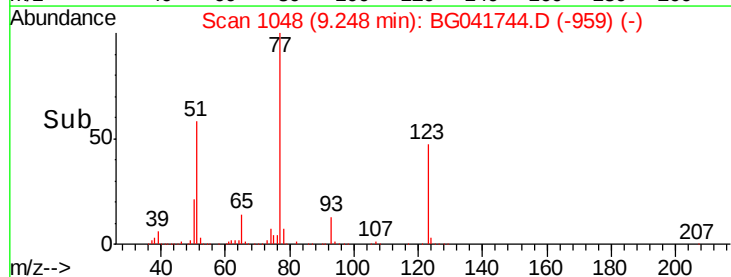
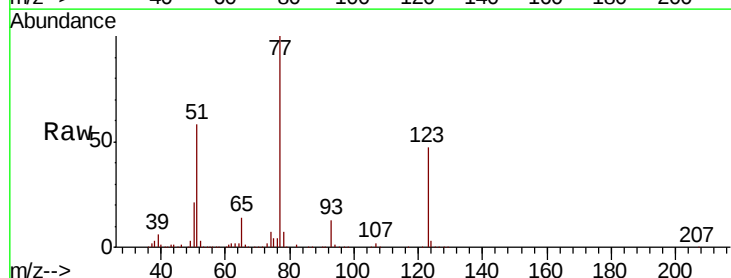
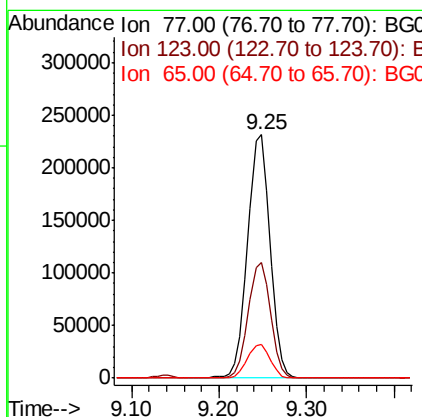
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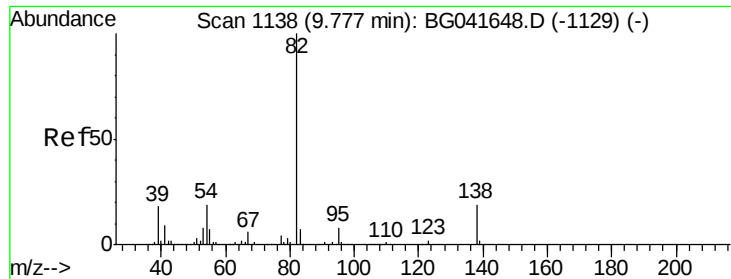
mohammad
 7/23/2019 4:23:40 PM



#24
 Nitrobenzene
 Concen: 40.856 ng
 RT: 9.25 min Scan# 1048
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.4	38.1	57.1
65	14.0	11.0	16.6





#25

Isophorone

Concen: 38.545 ng

RT: 9.77 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

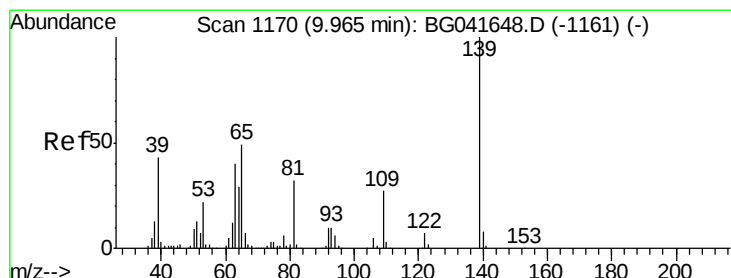
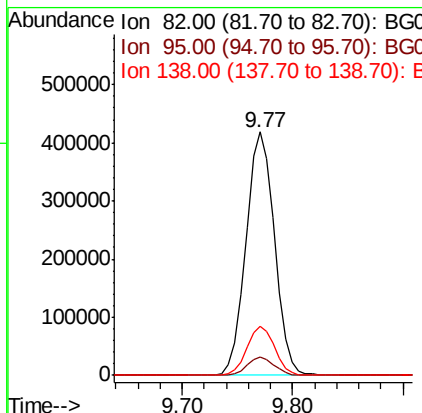
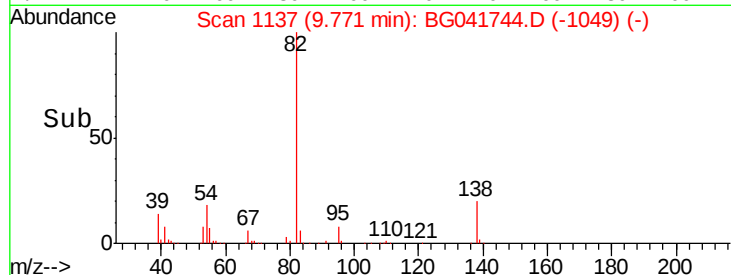
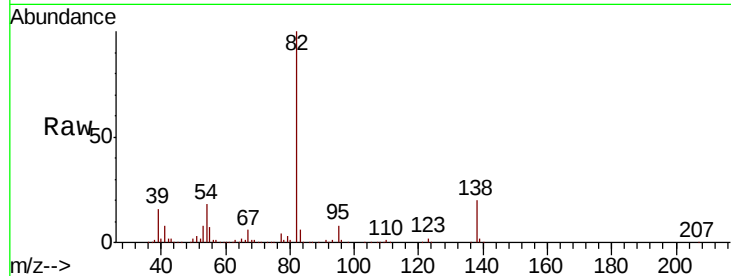
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	82	Resp:	760493
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.9	8.9
138	20.3	16.3	24.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.800 ng

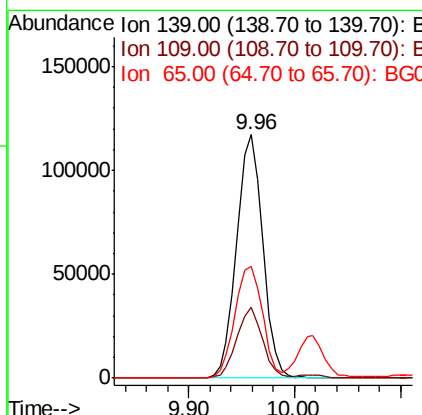
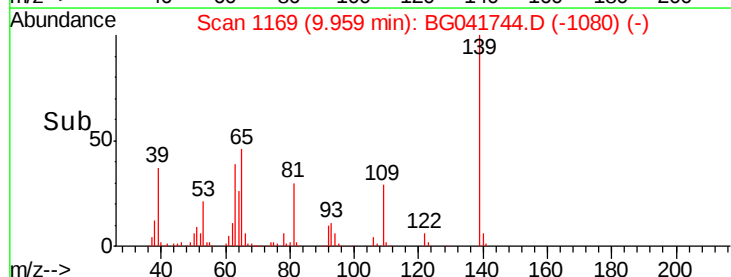
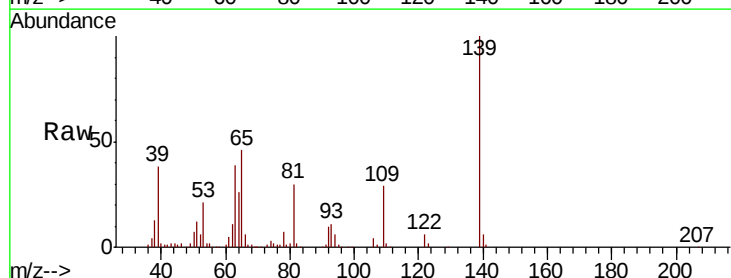
RT: 9.96 min Scan# 1169

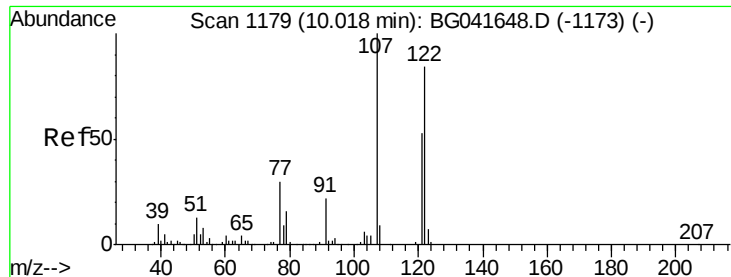
Delta R.T. -0.00 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	139	Resp:	200460
Ion Ratio	Lower	Upper	
139	100		
109	29.1	22.7	34.1
65	46.1	41.1	61.7





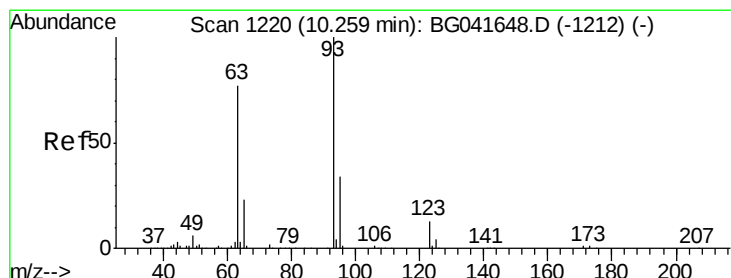
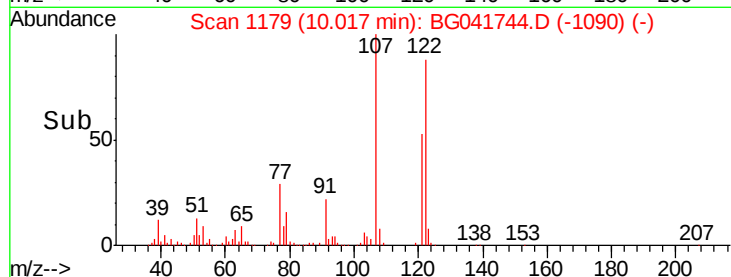
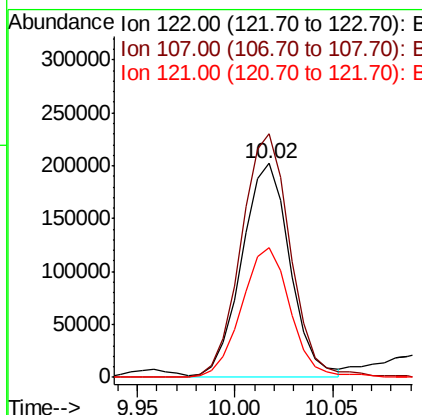
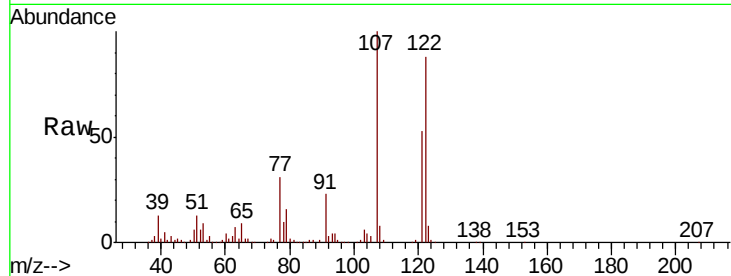
#27
2,4-Dimethylphenol
Concen: 44.498 ng
RT: 10.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.3	136.9
121	60.6	49.2	73.8

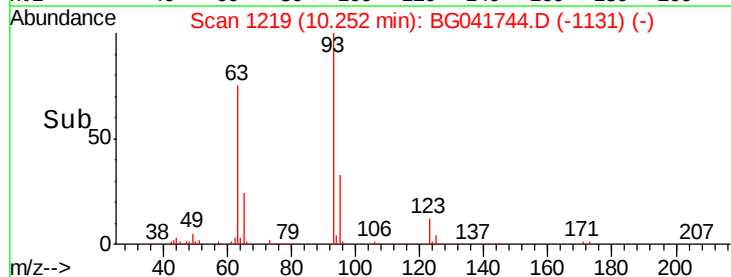
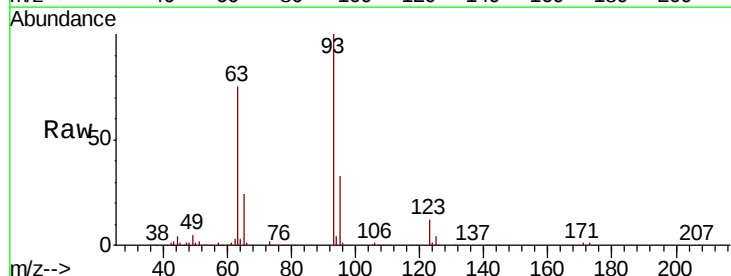
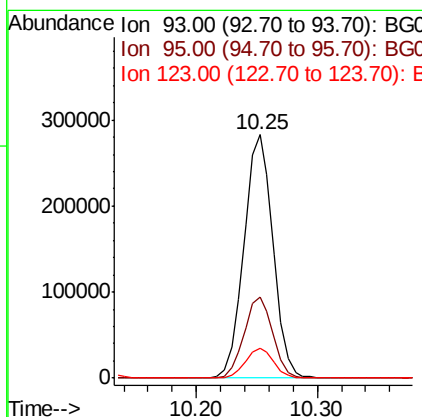
Manual Integrations
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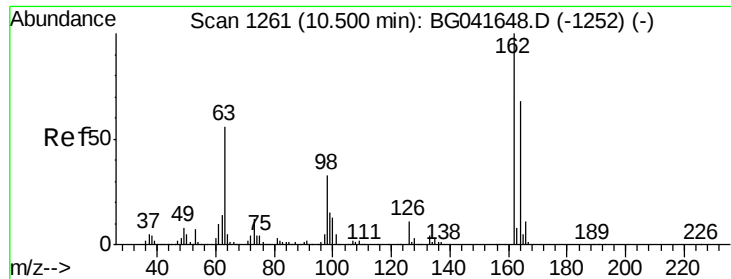
mohammad
7/23/2019 4:23:40 PM



#28
bis(2-Chloroethoxy)methane
Concen: 38.905 ng
RT: 10.25 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.4
123	12.3	9.9	14.9





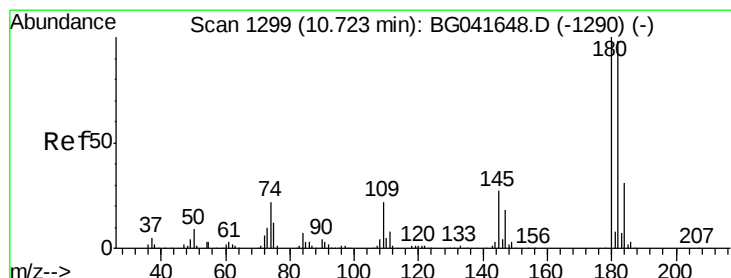
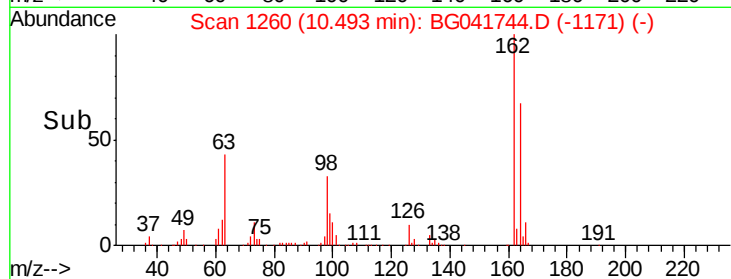
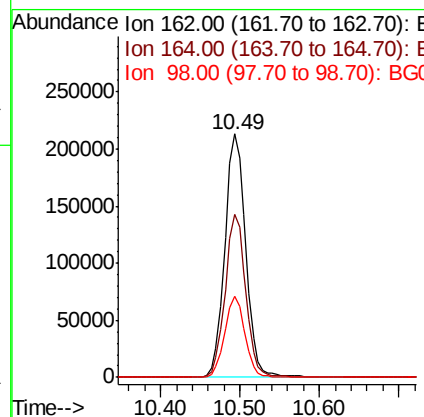
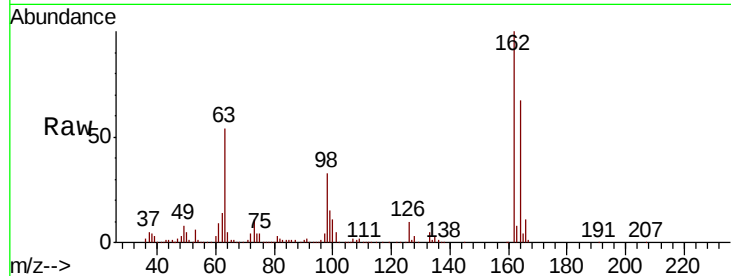
#29
2,4-Dichlorophenol
Concen: 43.777 ng
RT: 10.49 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	389633		
164	67.1	46.1	86.1	
98	33.1	14.7	54.7	

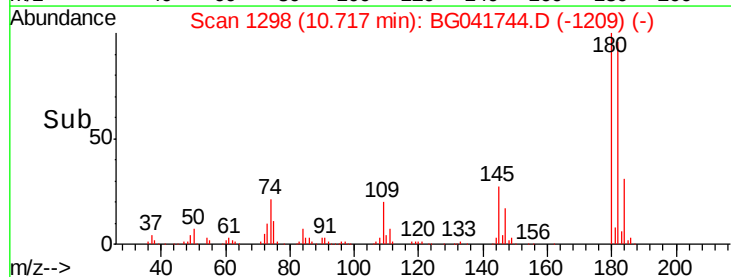
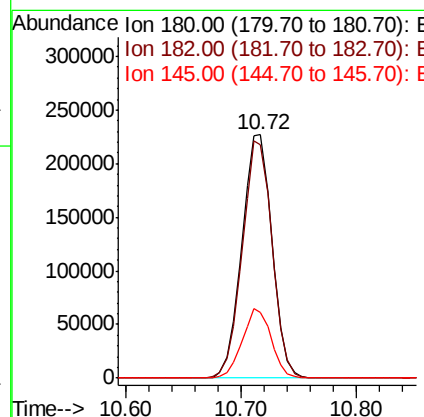
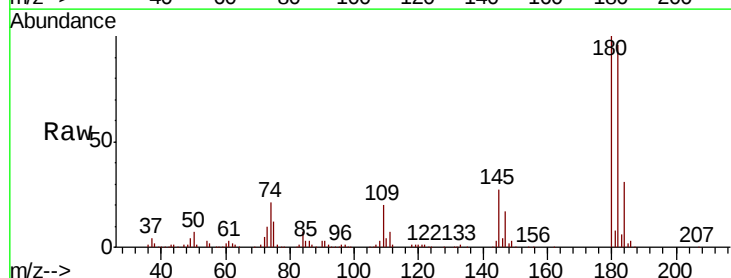
Manual Integrations
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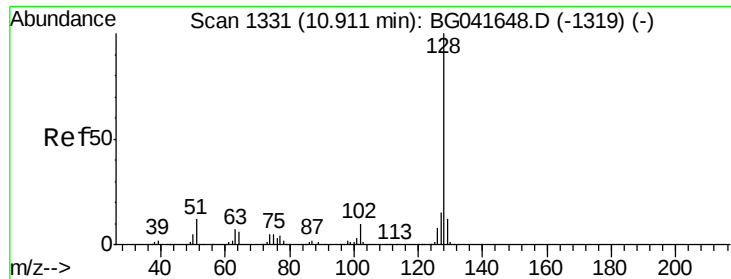
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 39.265 ng
RT: 10.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	410337		
182	95.6	76.2	114.2	
145	27.0	23.8	35.8	





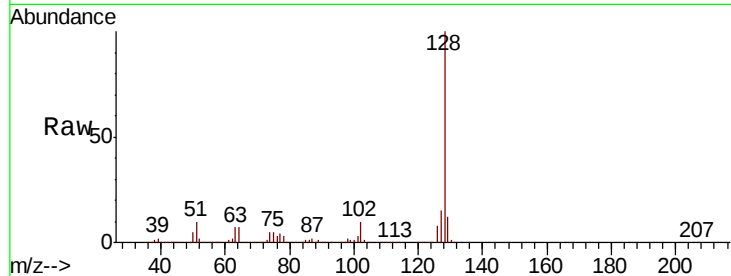
#31
Naphthalene
Concen: 39.428 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	10.0	15.0
127	14.6	12.3	18.5

Manual Integrations
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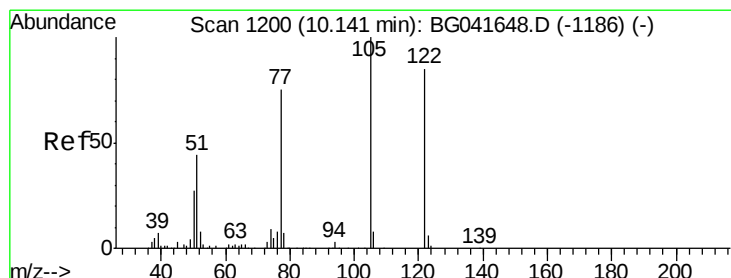
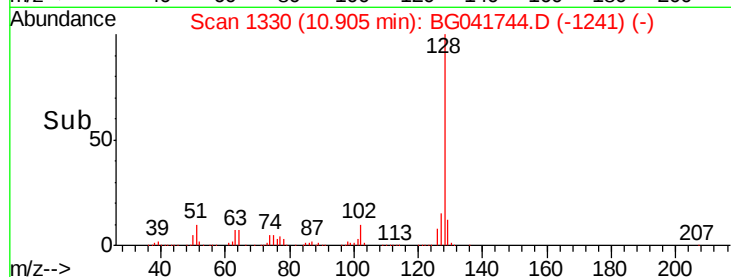
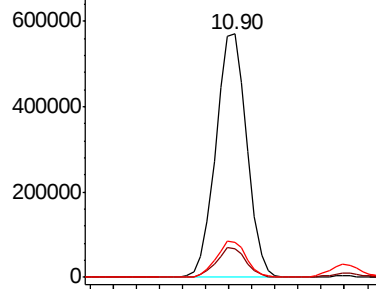


Abundance

Ion 128.00 (127.70 to 128.70): E

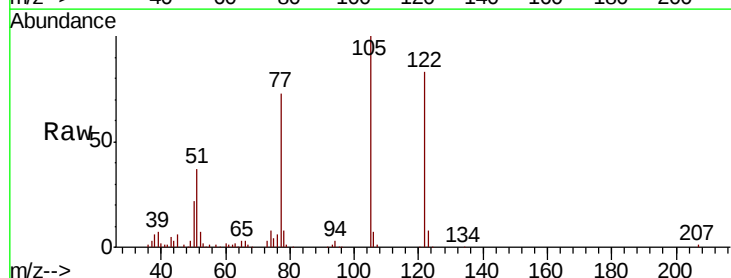
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 29.293 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.04 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.6	101.5	141.5
77	87.5	73.0	113.0

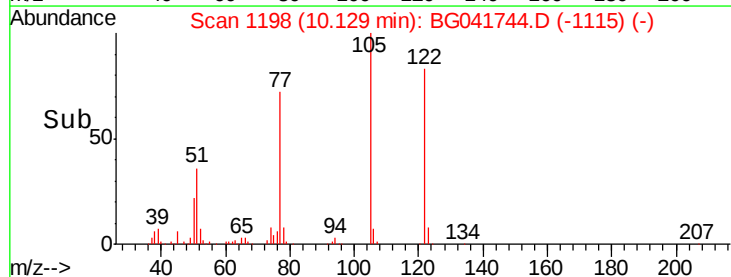
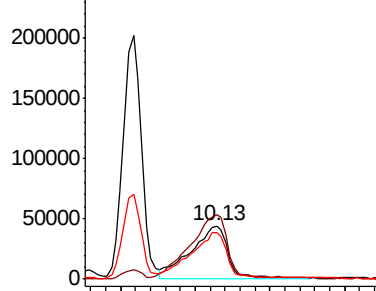


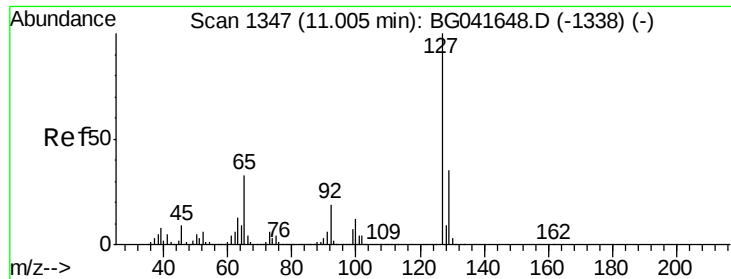
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





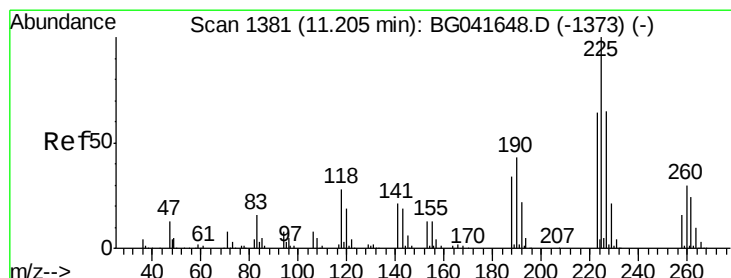
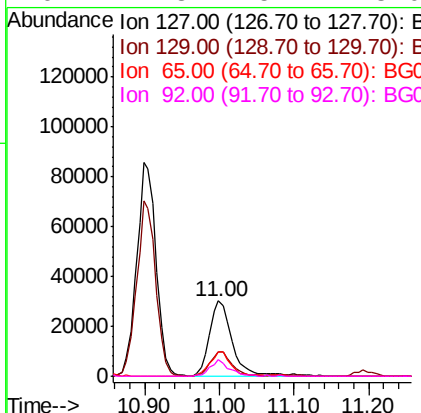
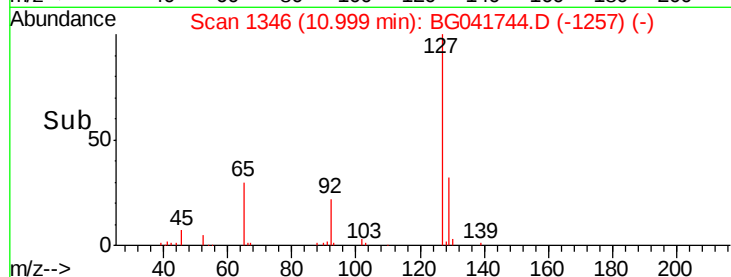
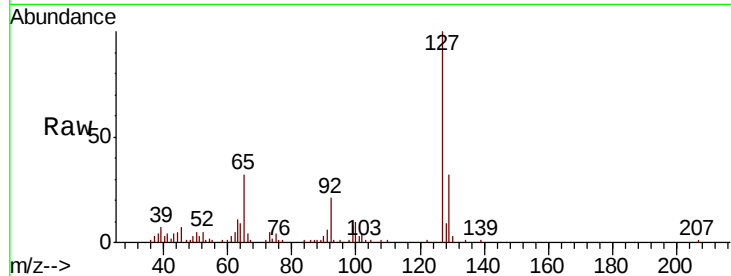
#33
4-Chloroaniline
Concen: 5.183 ng
RT: 11.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.8
65	31.7	26.7	40.1
92	21.3	15.4	23.0

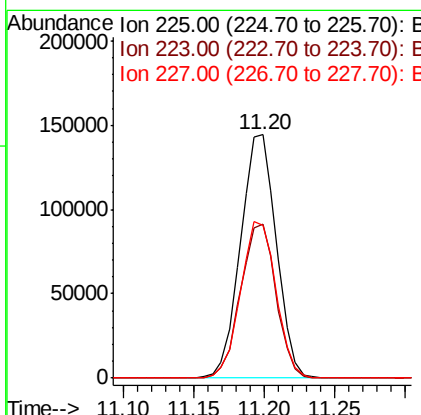
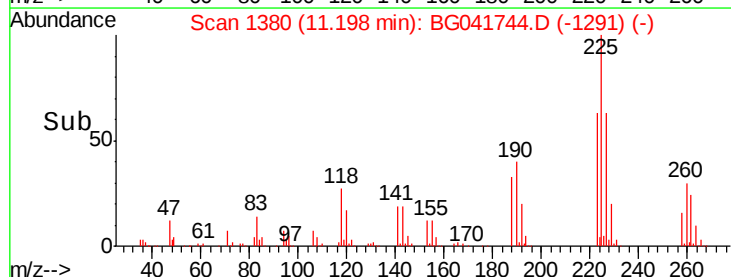
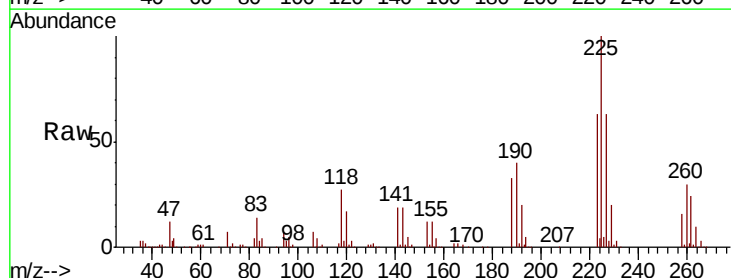
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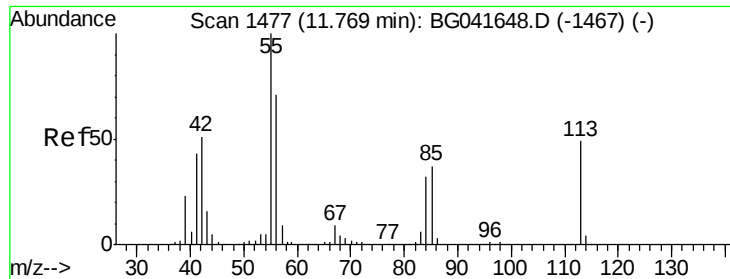
mohammad
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#34
Hexachlorobutadiene
Concen: 38.167 ng
RT: 11.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.1	76.7
227	63.0	50.9	76.3





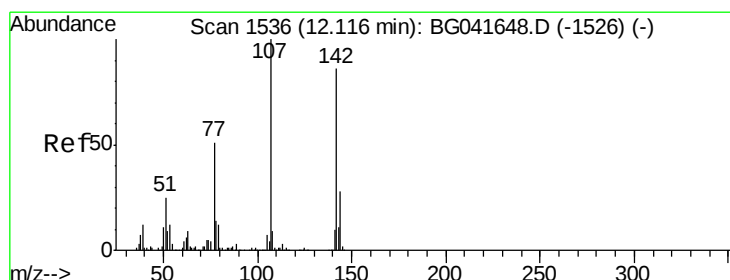
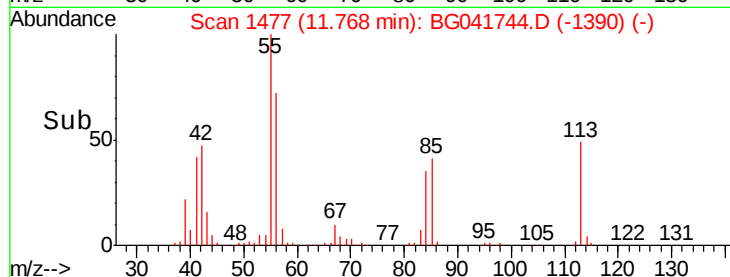
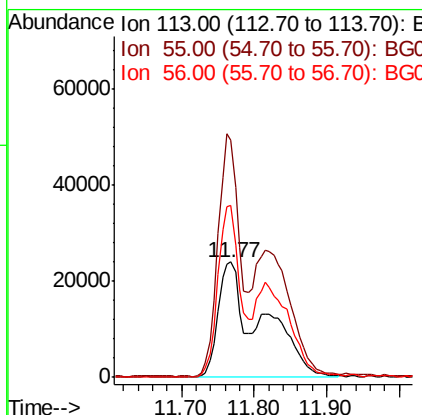
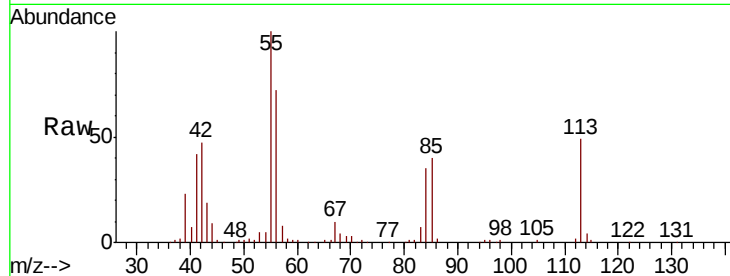
#35
 Caprolactam
 Concen: 30.386 ng/ml
 RT: 11.77 min Scan# 1477
 Delta R.T. -0.02 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	205.8	199.4	239.4	
56	148.7	133.6	173.6	

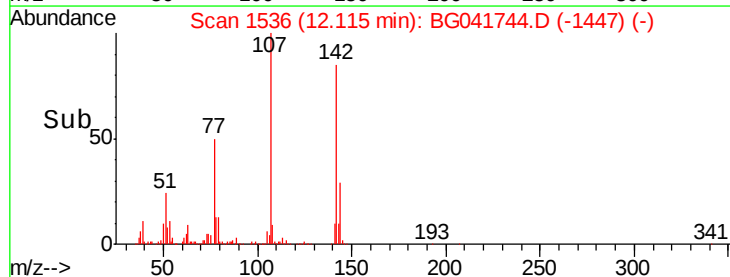
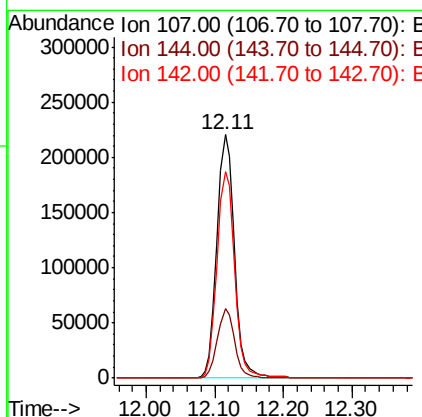
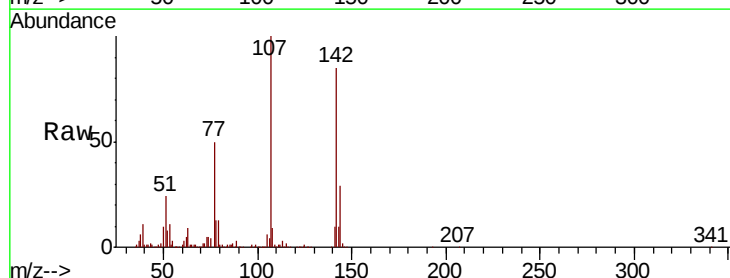
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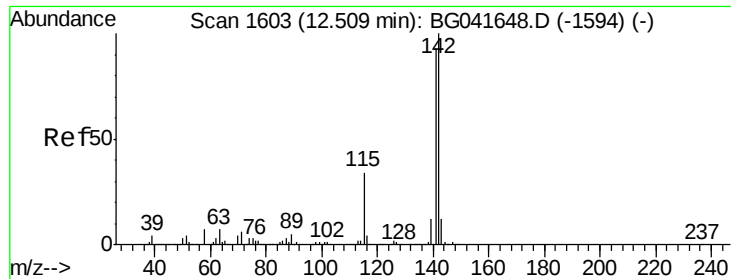
mohammad
 7/23/2019 4:23:40 PM



#36
 4-Chloro-3-methylphenol
 Concen: 42.011 ng
 RT: 12.11 min Scan# 1536
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	28.7	22.2	33.2	
142	84.6	67.3	100.9	





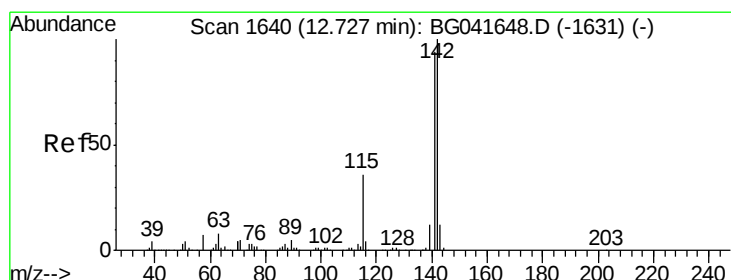
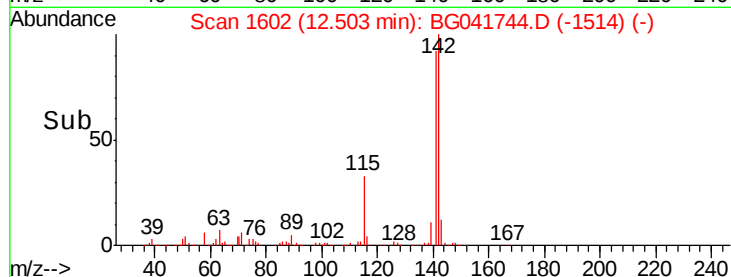
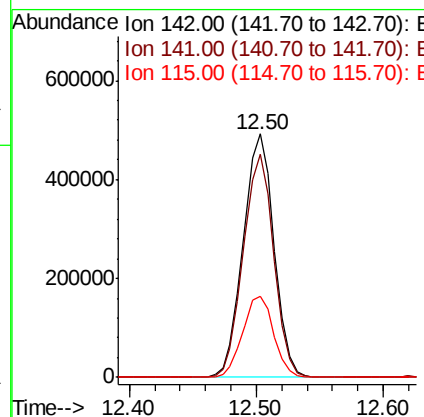
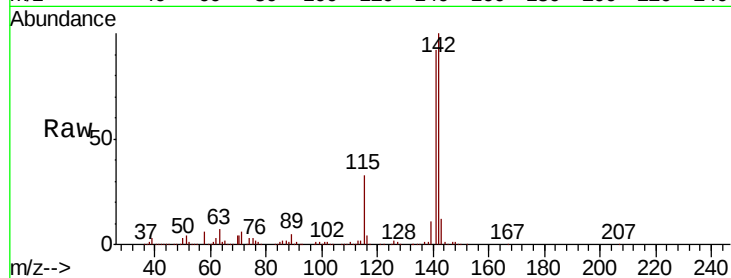
#37
2-Methylnaphthalene
Concen: 40.164 ng
RT: 12.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.7	109.1
115	33.5	27.0	40.4

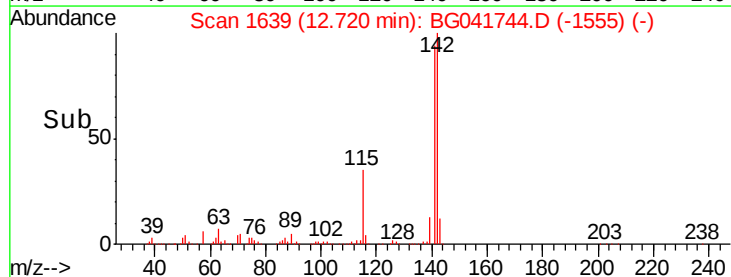
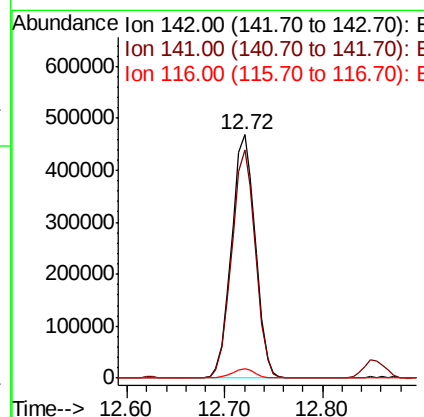
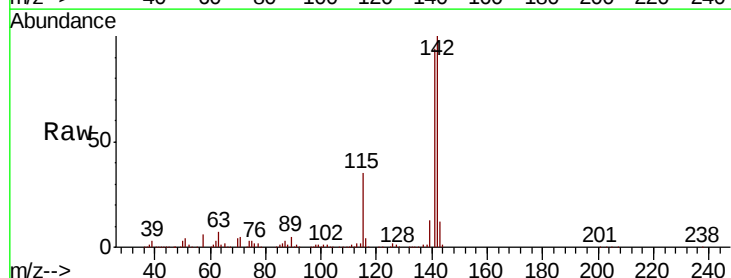
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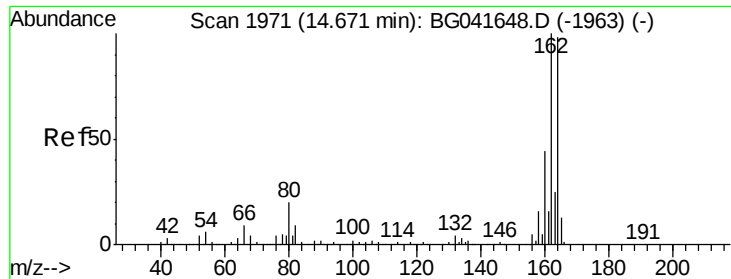
mohammad
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#38
1-Methylnaphthalene
Concen: 40.261 ng
RT: 12.72 min Scan# 1639
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	75.4	113.2
116	3.8	3.2	4.8





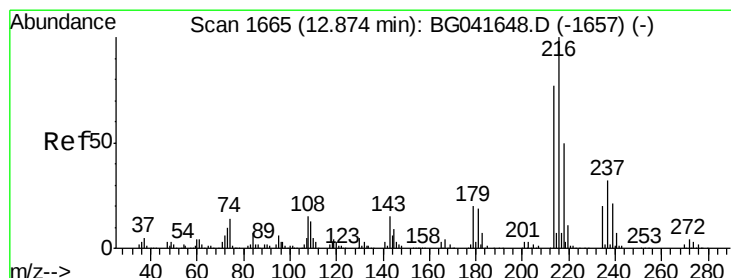
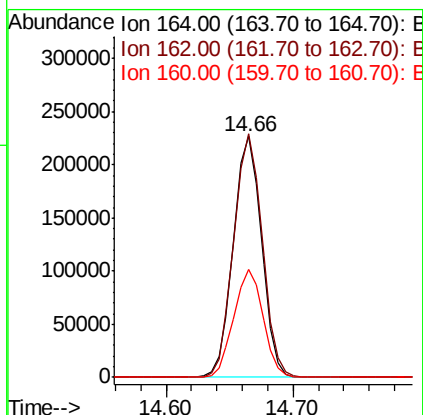
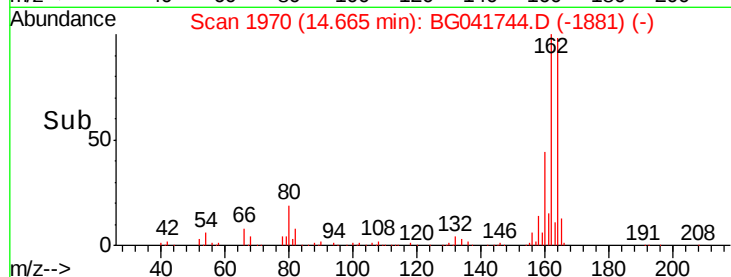
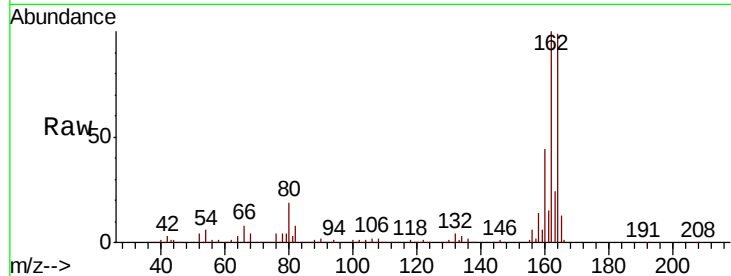
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.6	119.4
160	44.6	35.4	53.0

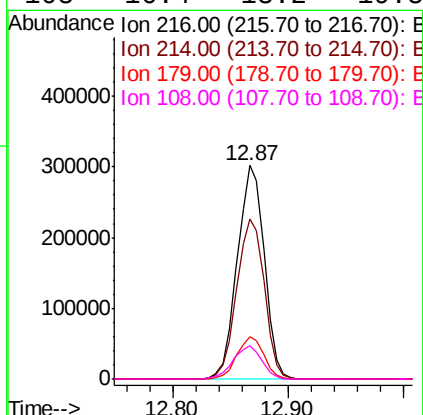
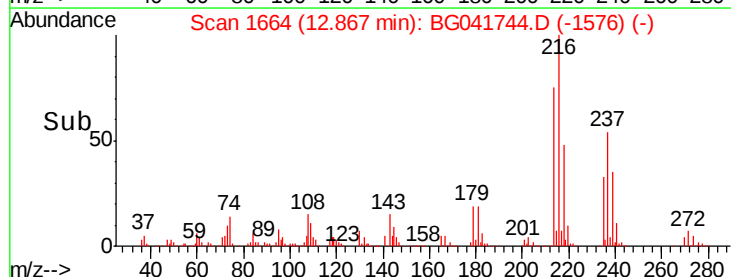
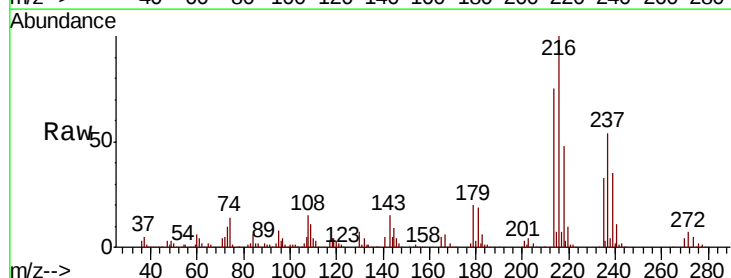
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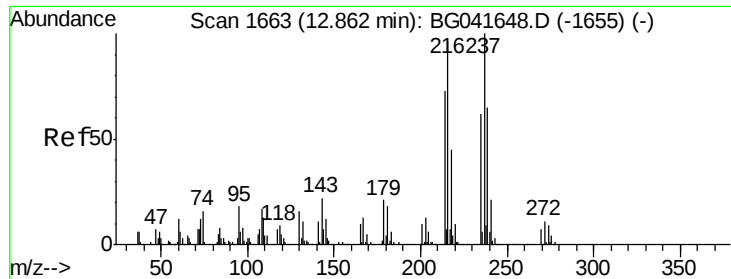
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.903 ng
RT: 12.87 min Scan# 1664
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.5	61.5	92.3
179	19.6	16.2	24.2
108	16.4	13.2	19.8





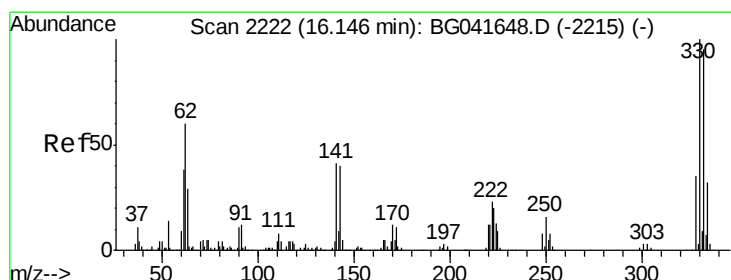
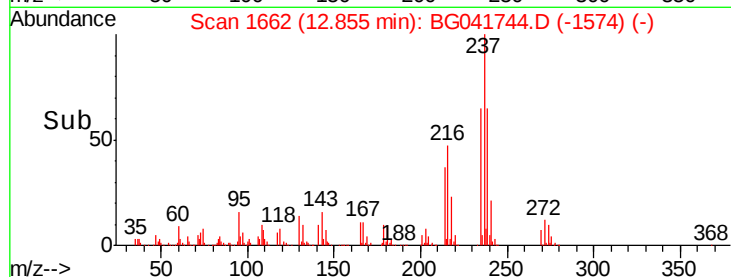
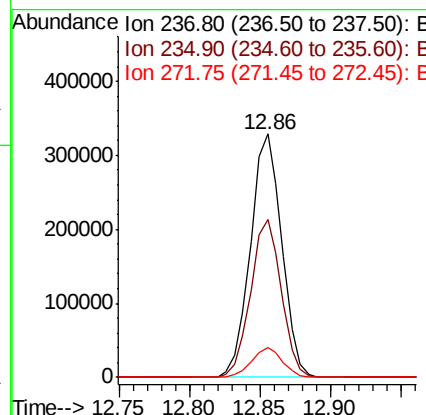
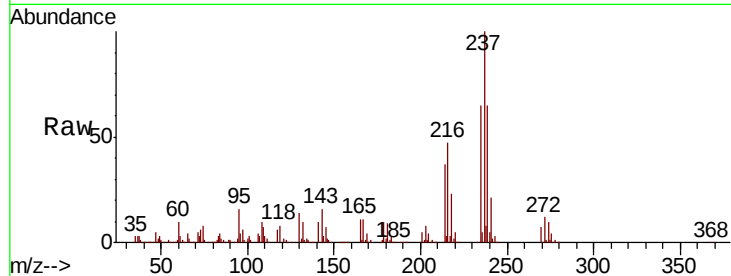
#41
Hexachlorocyclopentadiene
Concen: 75.560 ng
RT: 12.86 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	64.7	43.5	83.5	
272	12.3	0.0	31.2	

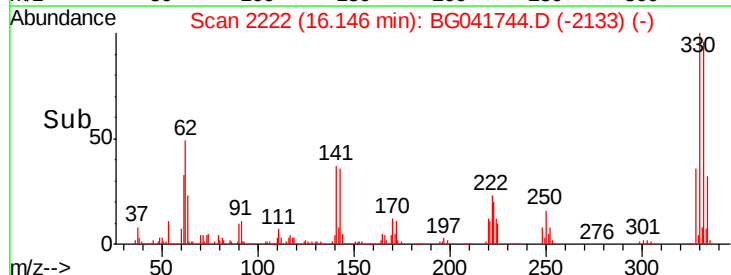
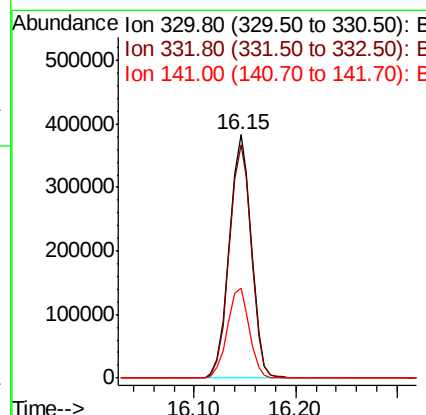
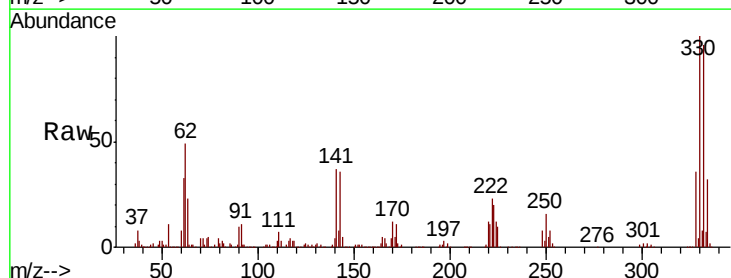
Manual Integrations
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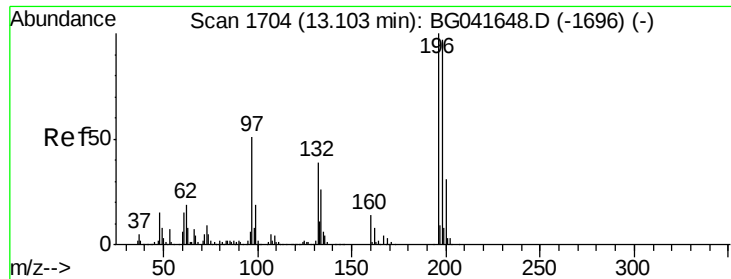
mohammad
7/23/2019 4:23:40 PM



#42
2,4,6-Tribromophenol
Concen: 147.301 ng
RT: 16.15 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.4	116.0	
141	37.0	31.9	47.9	





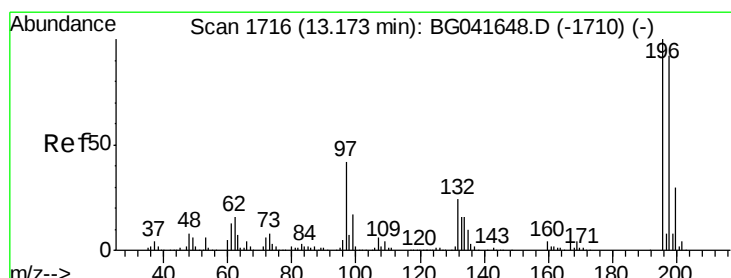
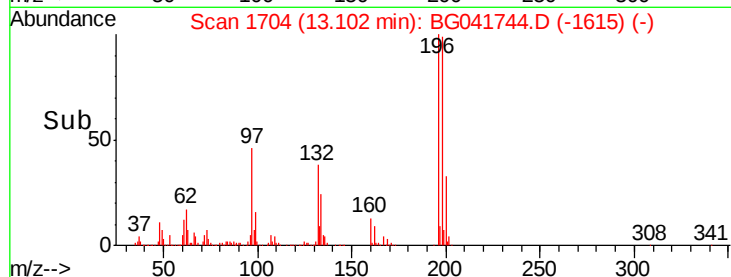
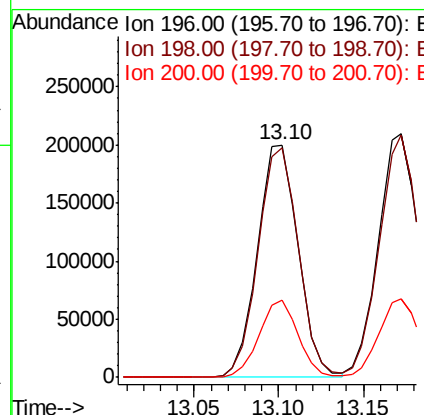
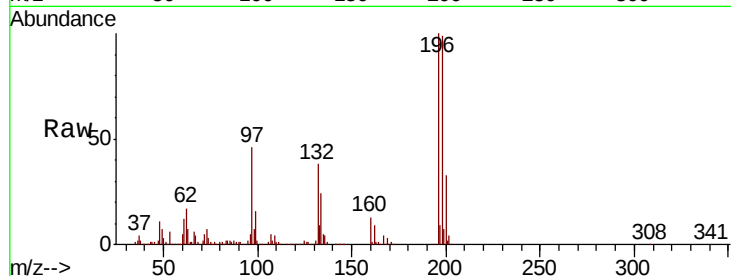
#43
 2,4,6-Trichlorophenol
 Concen: 43.251 ng
 RT: 13.10 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	335066		
198	98.8	79.6	119.4	
200	33.4	25.2	37.8	

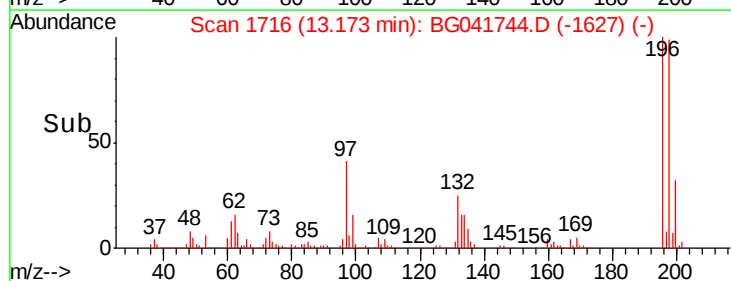
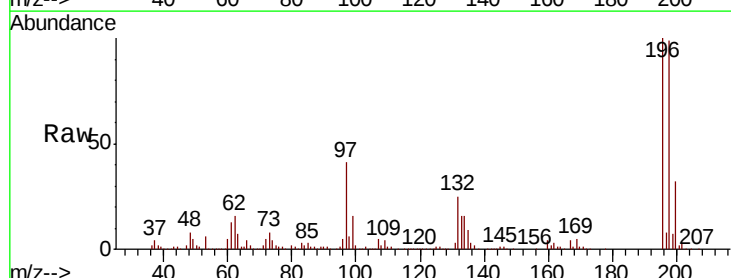
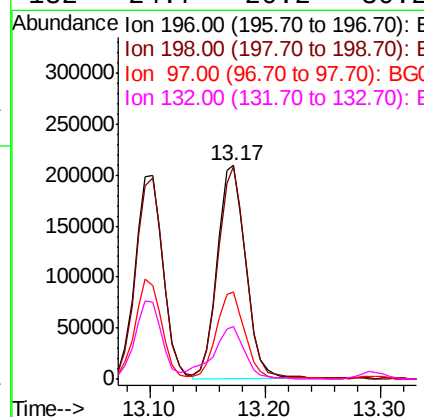
Manual Integrations
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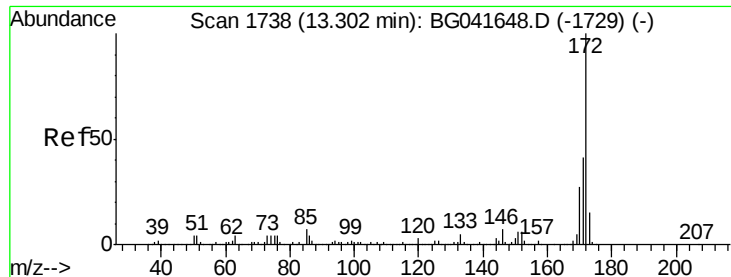
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 43.620 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	356045		
198	99.4	80.6	121.0	
97	41.1	33.9	50.9	
132	24.7	20.2	30.2	





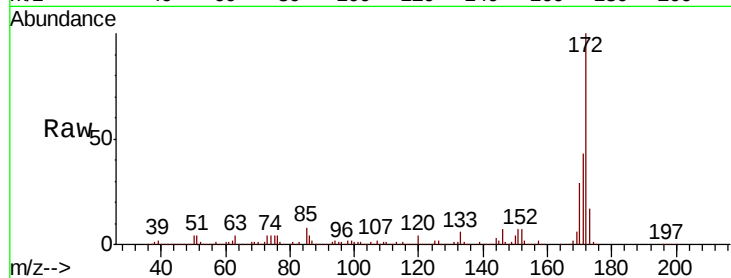
#45
2-Fluorobiphenyl
Concen: 84.617 ng
RT: 13.30 min Scan# 1737
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.4	35.0	52.4
170	29.4	23.5	35.3

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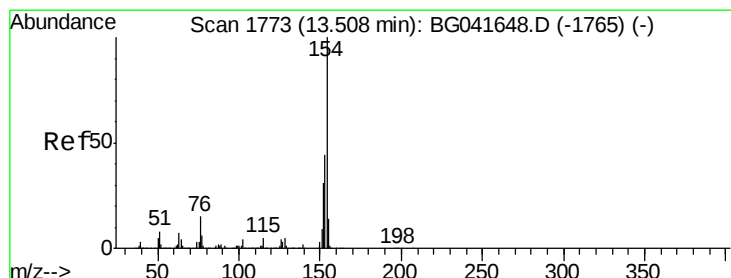
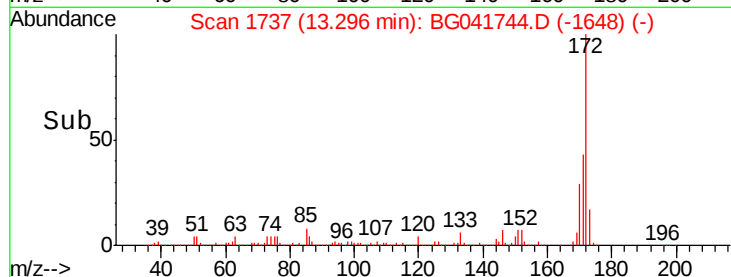
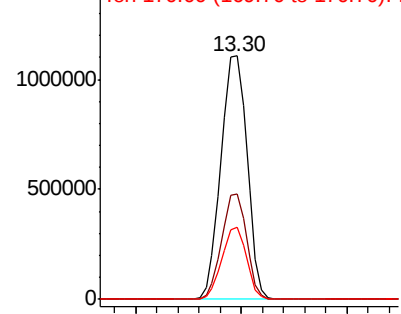


Abundance

Ion 172.00 (171.70 to 172.70): E

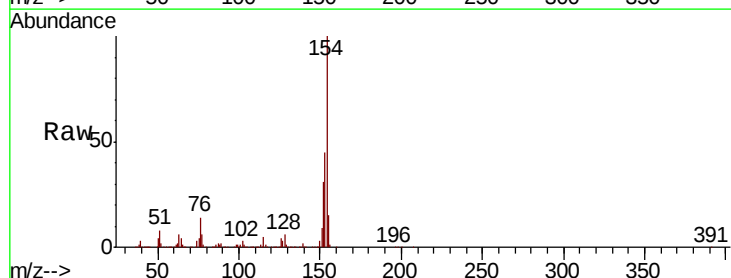
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 40.389 ng
RT: 13.50 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.7	25.0	65.0
76	13.8	0.0	34.5

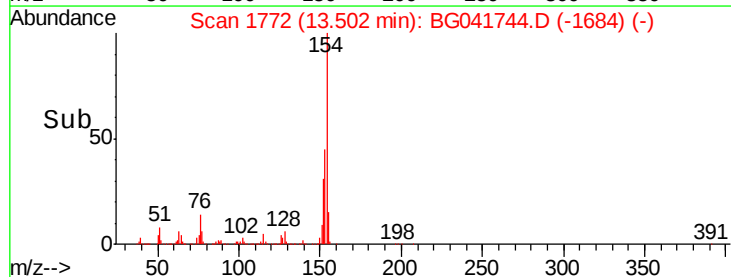
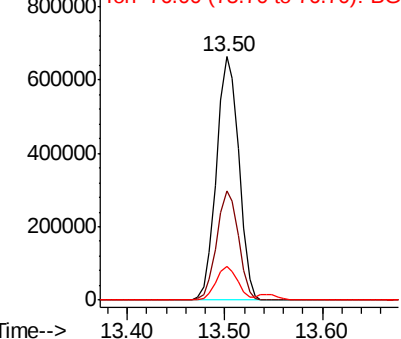


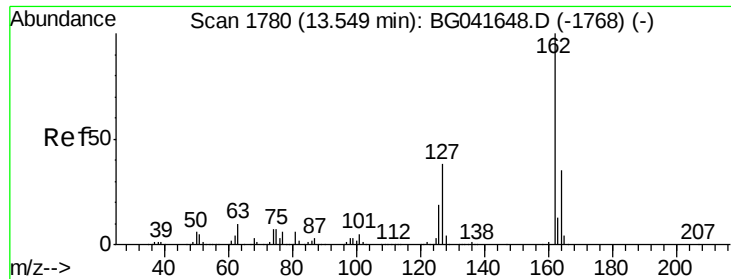
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





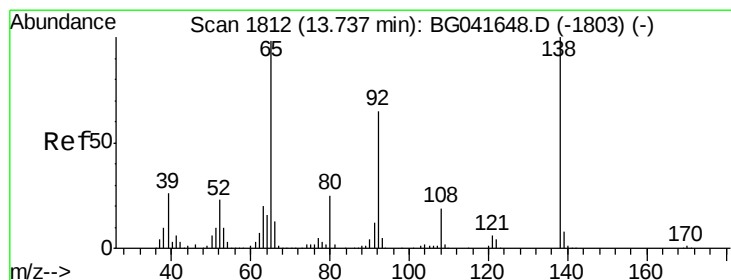
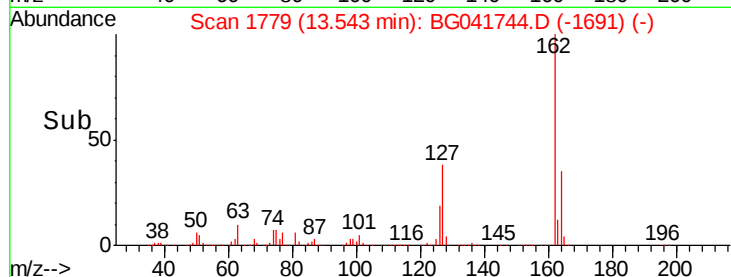
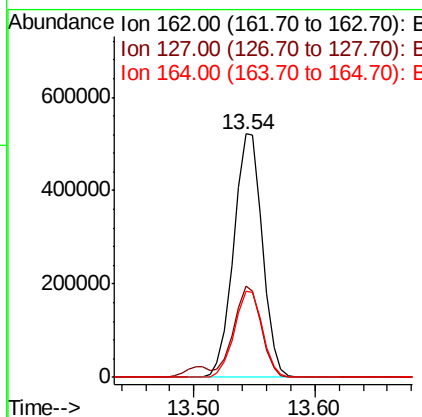
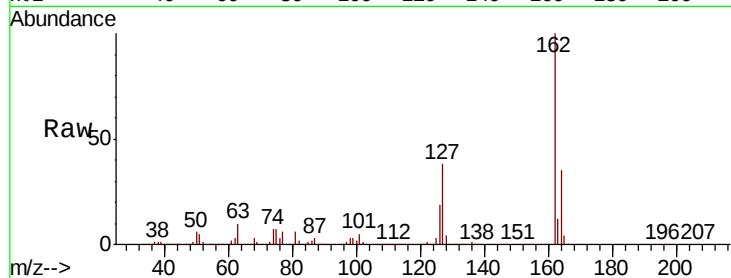
#47
2-Chloronaphthalene
Concen: 39.586 ng
RT: 13.54 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	860338		
127	37.6		30.4	45.6
164	35.2		28.6	42.8

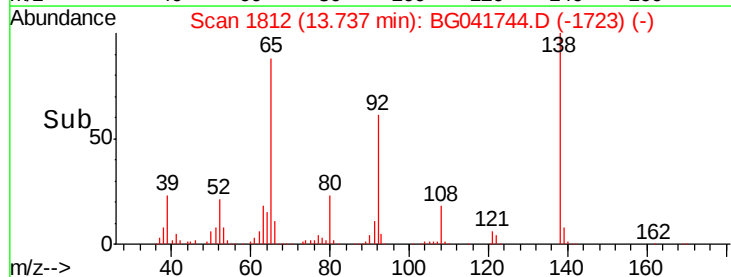
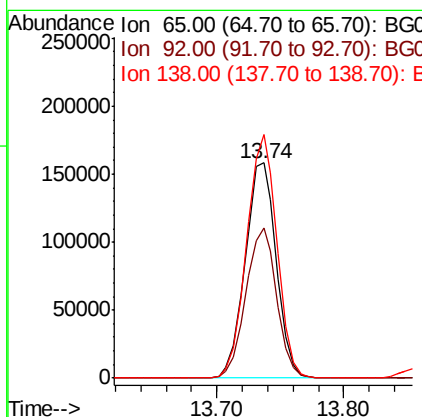
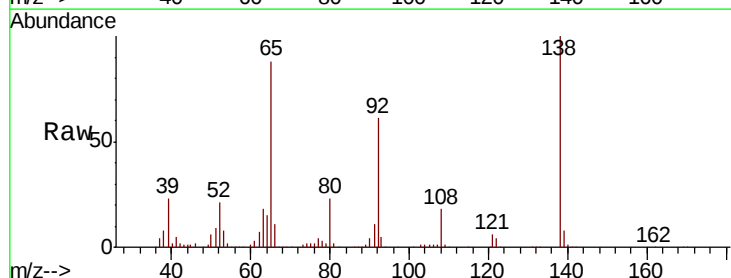
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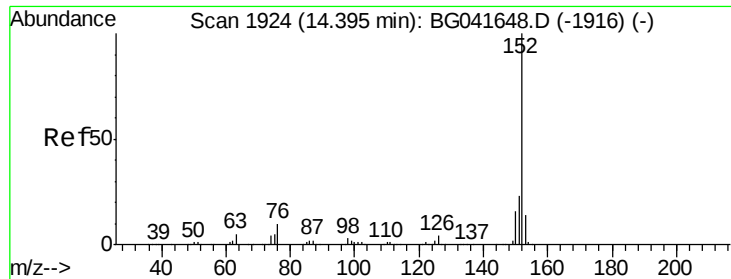
mohammad
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#48
2-Nitroaniline
Concen: 42.605 ng
RT: 13.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	269600		
92	69.6		53.9	80.9
138	113.3		83.5	125.3





#49

Acenaphthylene

Concen: 39.557 ng

RT: 14.39 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion:152 Resp: 1342110

Ion Ratio Lower Upper

152 100

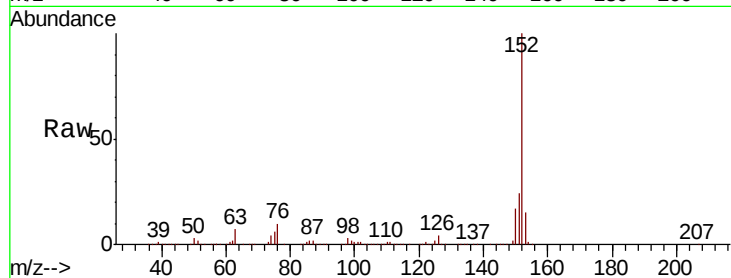
151 23.5 18.7 28.1

153 15.0 12.4 18.6

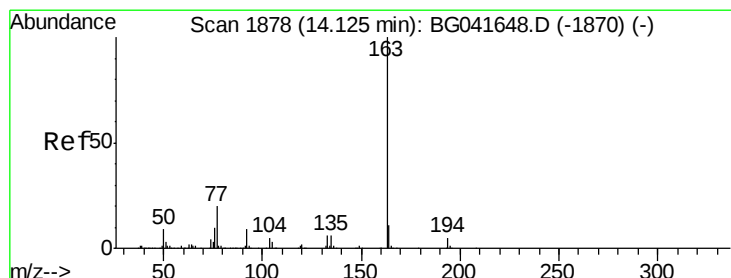
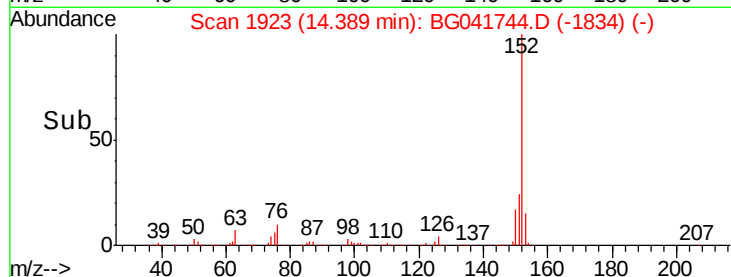
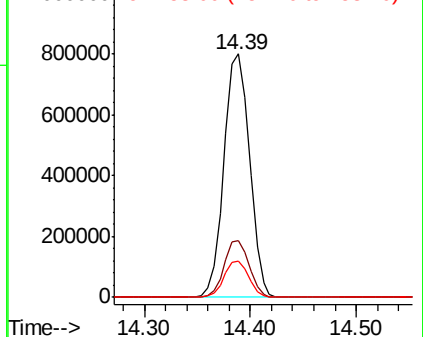
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 43.323 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

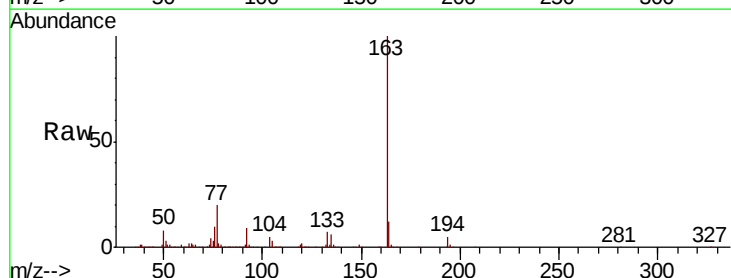
Tgt Ion:163 Resp: 1184343

Ion Ratio Lower Upper

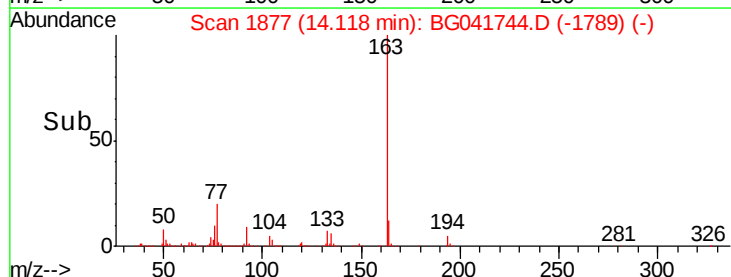
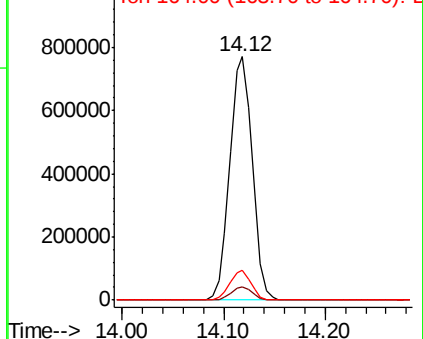
163 100

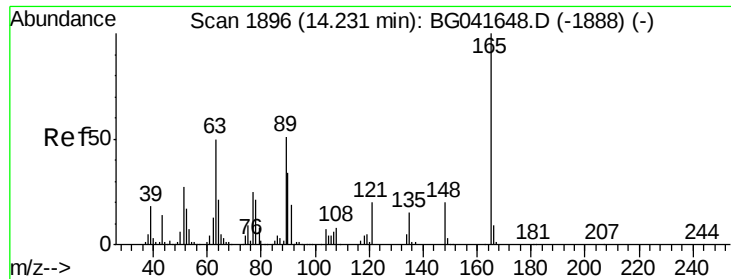
194 5.4 4.2 6.2

164 12.1 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 45.914 ng

RT: 14.23 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

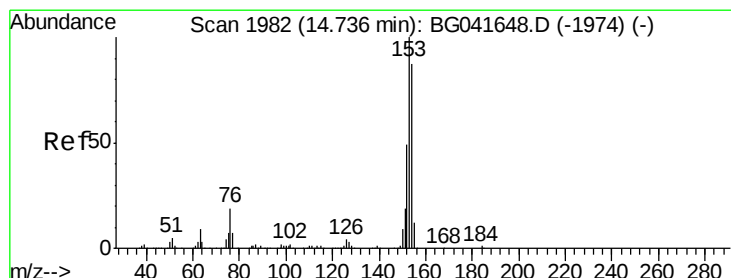
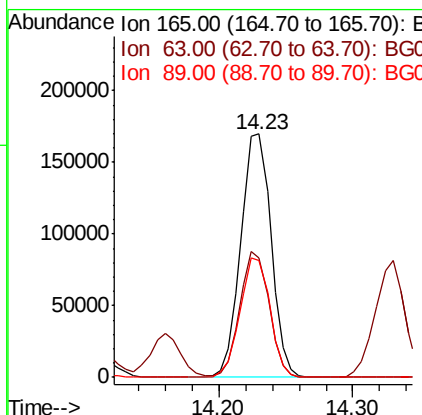
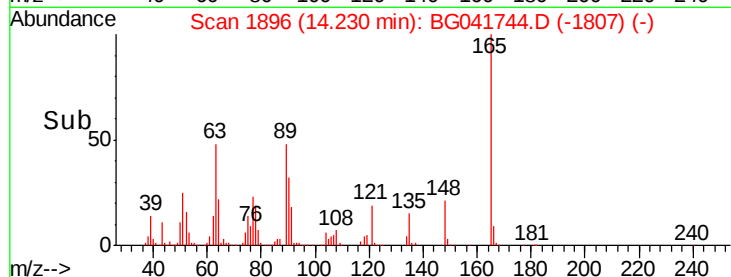
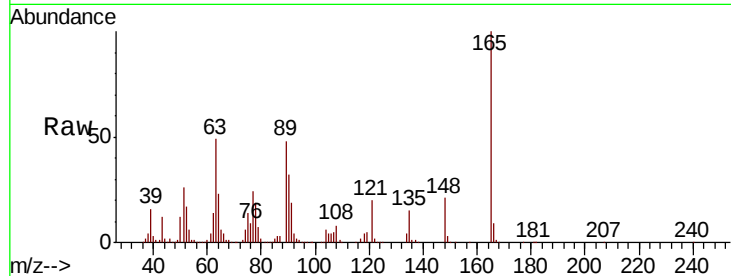
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	165	Resp:	266242
Ion Ratio	Lower	Upper	
165	100		
63	49.3	42.4	63.6
89	48.3	42.1	63.1

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#52

Acenaphthene

Concen: 42.748 ng

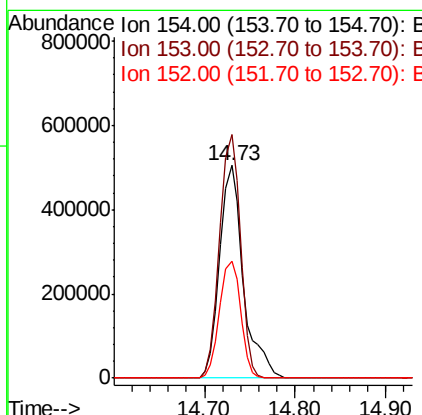
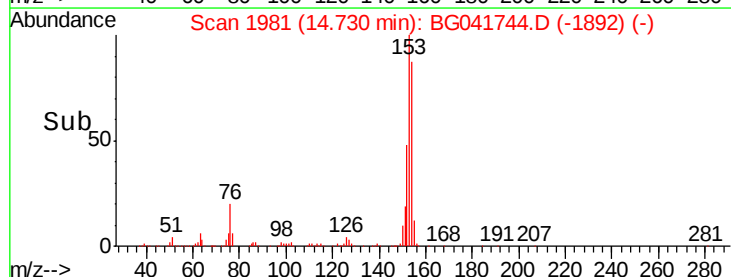
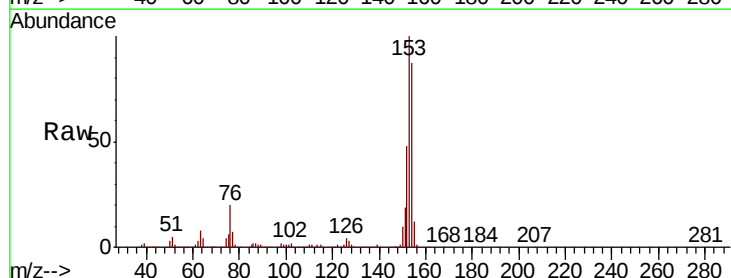
RT: 14.73 min Scan# 1981

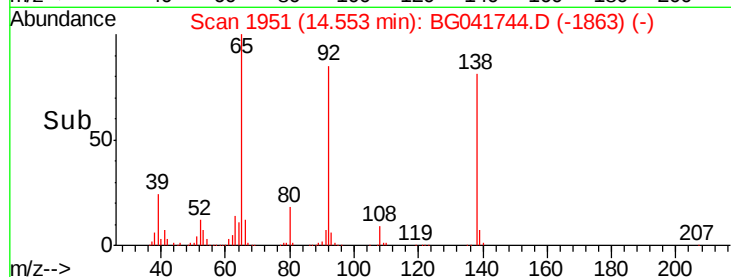
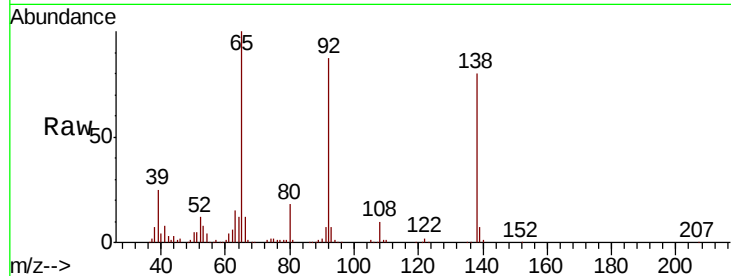
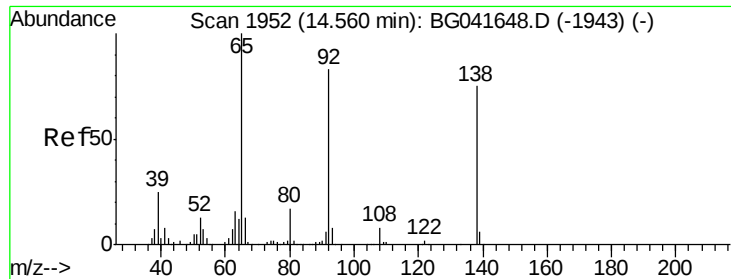
Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	154	Resp:	913999
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.8	134.6
152	55.1	44.9	67.3





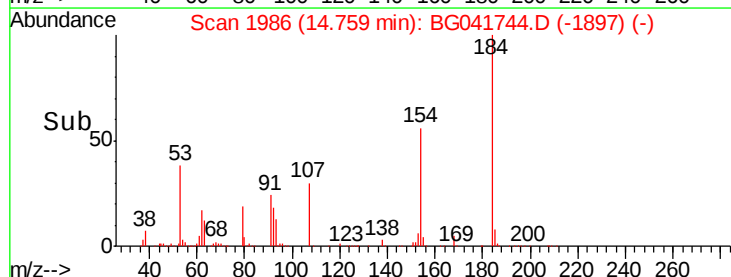
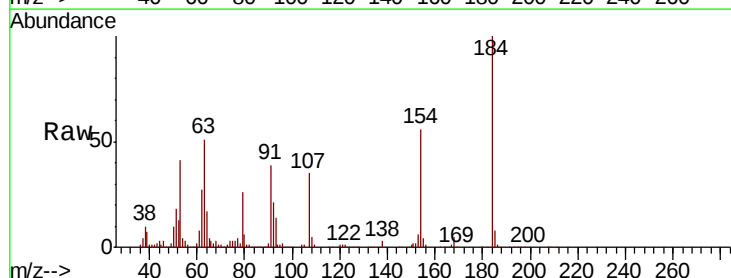
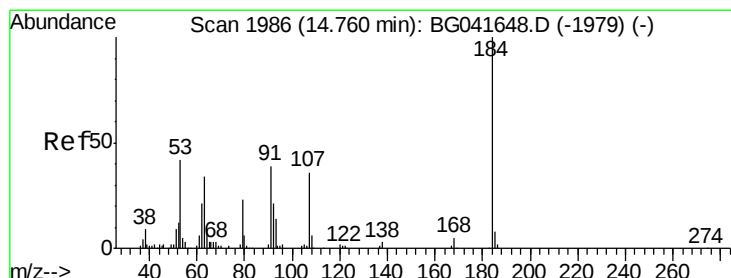
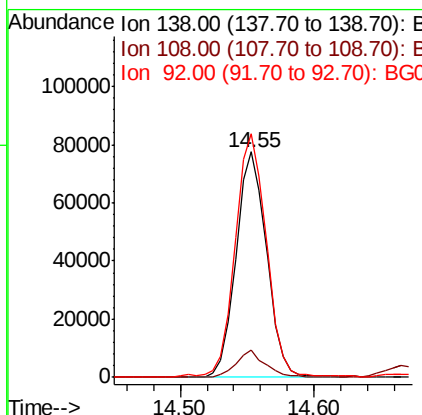
#53
3-Nitroaniline
Concen: 19.443 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	10.3	15.5
92	107.9	93.0	139.4

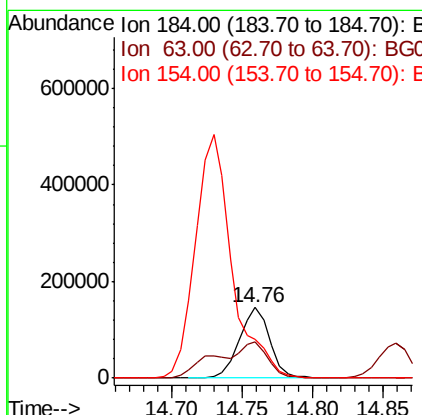
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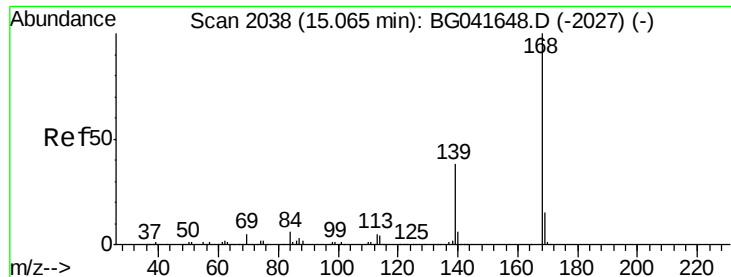
mohammad
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#54
2,4-Dinitrophenol
Concen: 75.170 ng
RT: 14.76 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
184	100		
63	51.3	43.2	64.8
154	55.5	51.4	77.2





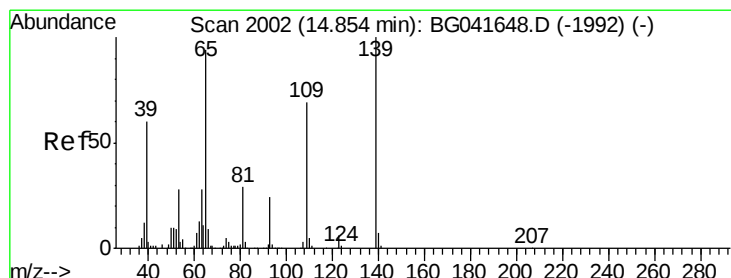
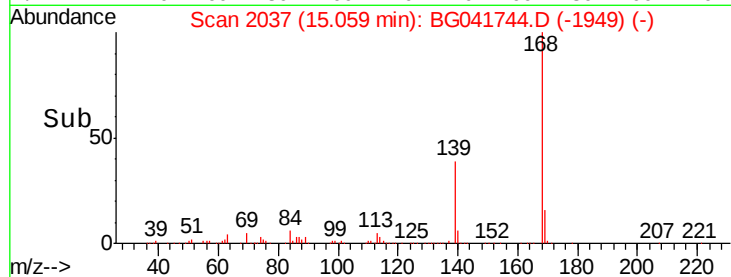
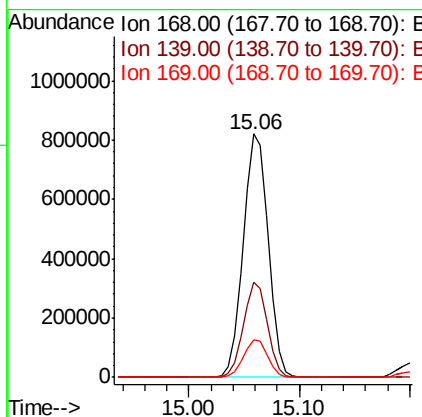
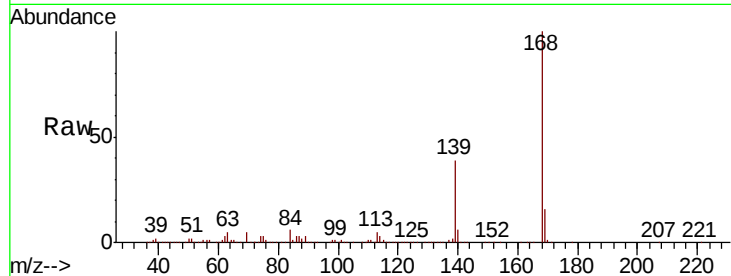
#55
Dibenzenofuran
Concen: 40.646 ng
RT: 15.06 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.9	47.9
169	15.7	12.5	18.7

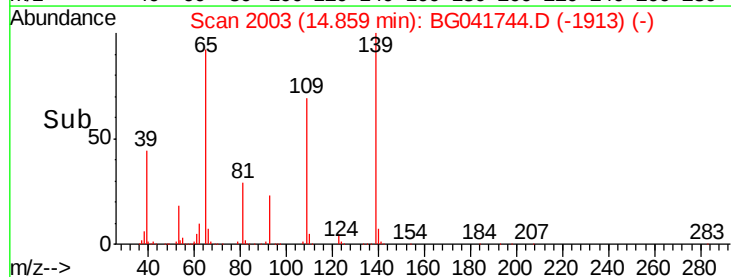
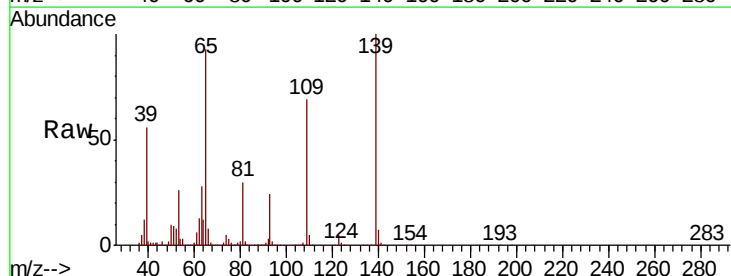
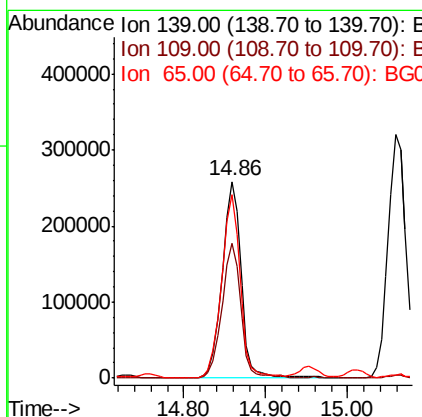
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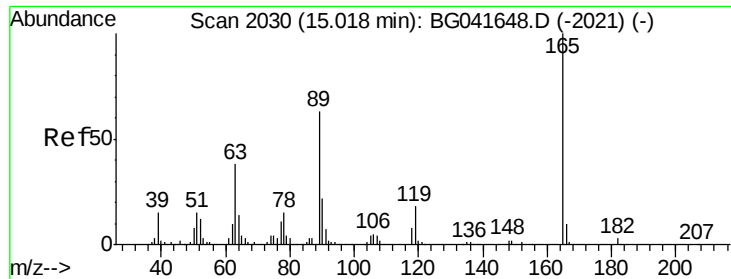
mohammad
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#56
4-Nitrophenol
Concen: 81.656 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.7	51.3	91.3
65	93.3	77.6	117.6





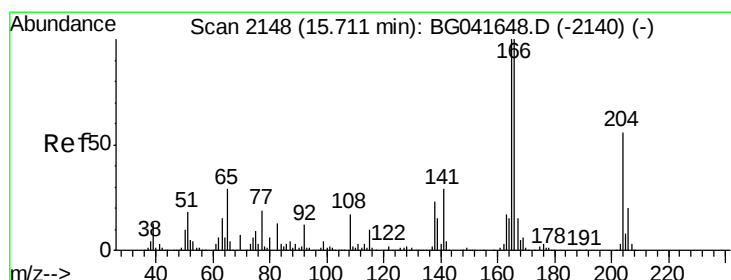
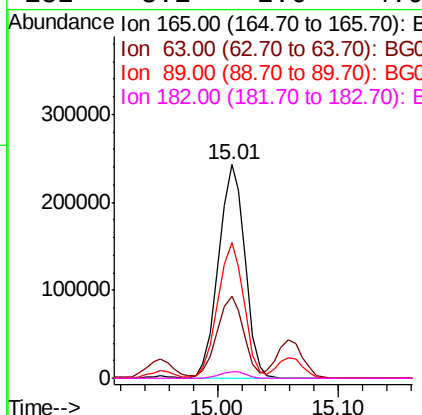
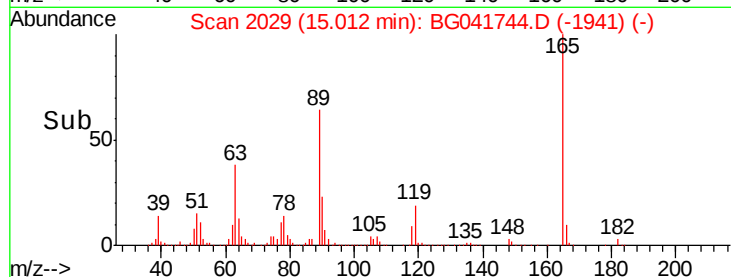
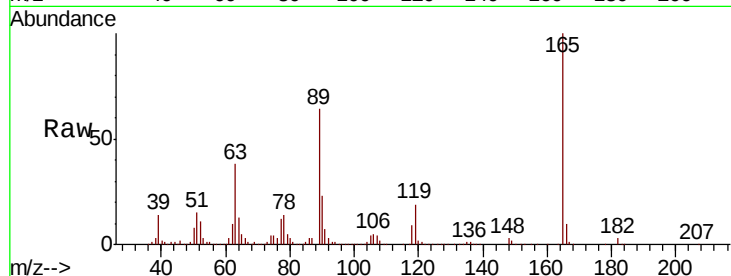
#57
2,4-Dinitrotoluene
Concen: 47.521 ng
RT: 15.01 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		364258		
63	38.1	31.7	47.5		
89	63.8	50.2	75.4		
182	3.1	2.6	4.0		

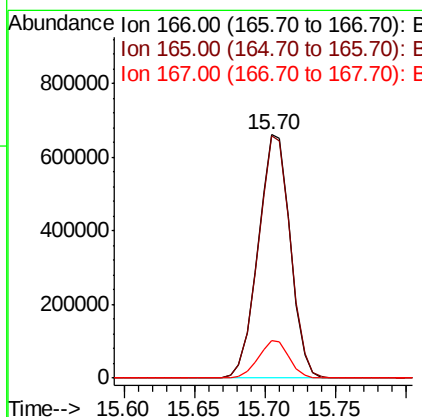
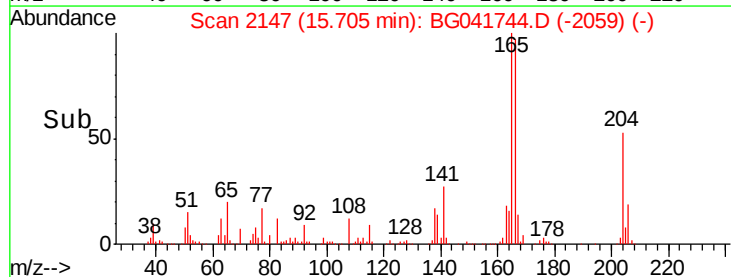
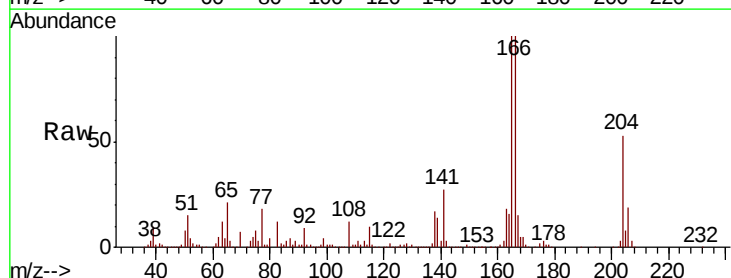
Manual Integrations
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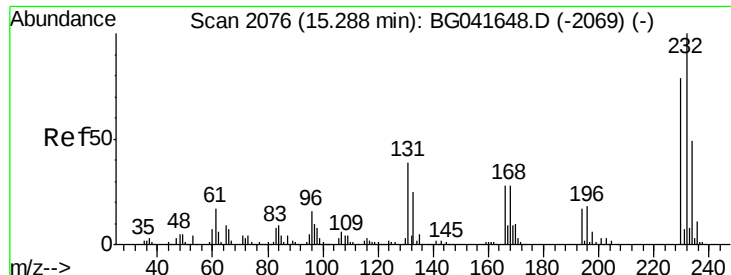
mohammad
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#58
Fluorene
Concen: 40.407 ng
RT: 15.70 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1054877		
165	99.5	80.5	120.7		
167	15.2	12.4	18.6		





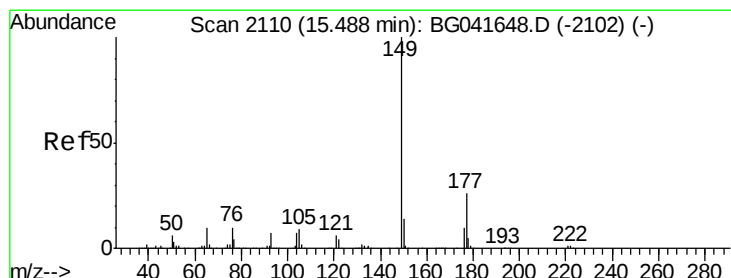
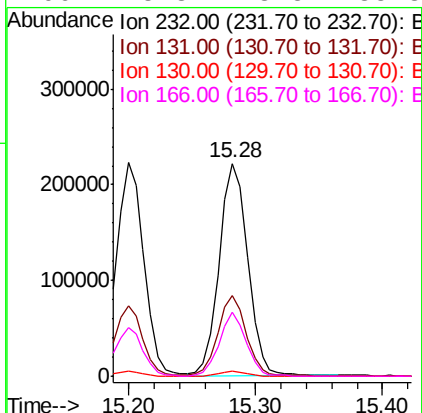
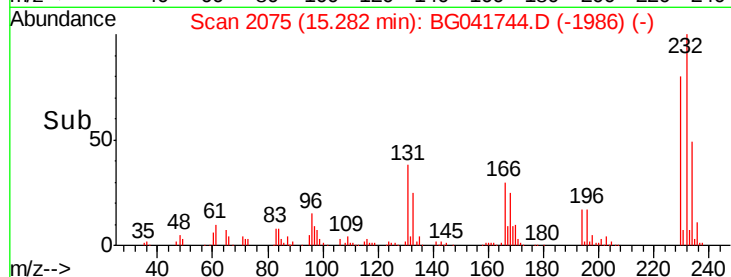
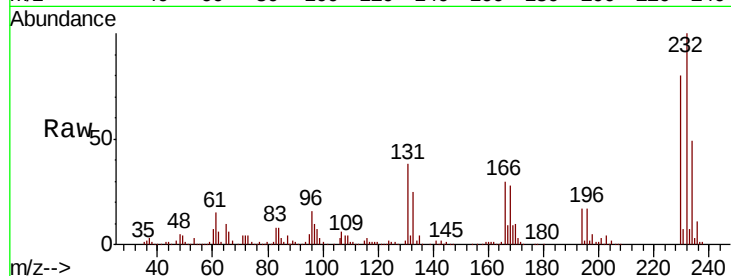
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.112 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	347477		
131	37.9		31.8	47.6
130	2.2		1.8	2.8
166	28.3		23.5	35.3

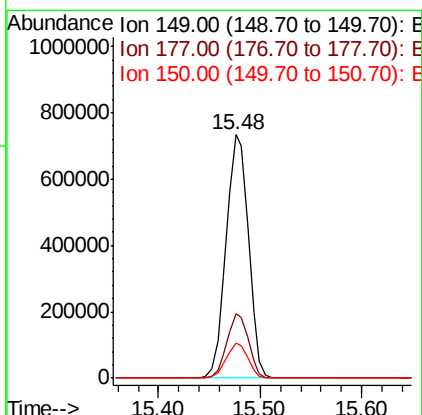
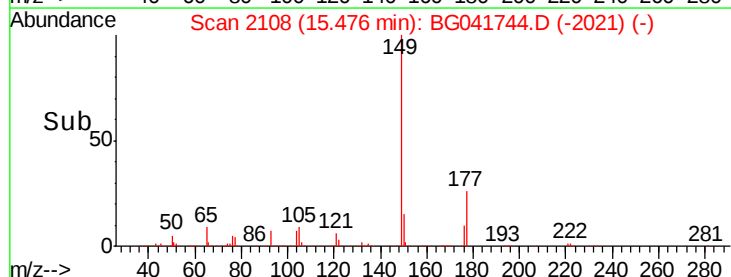
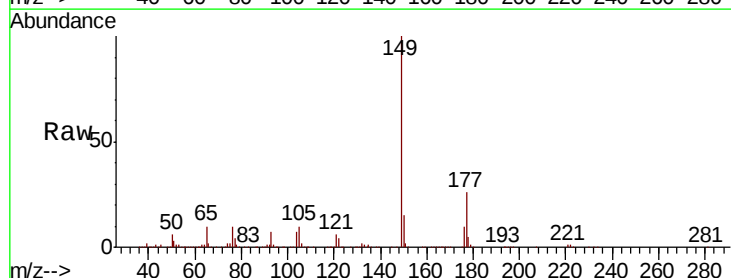
Manual Integrations
 APPROVED

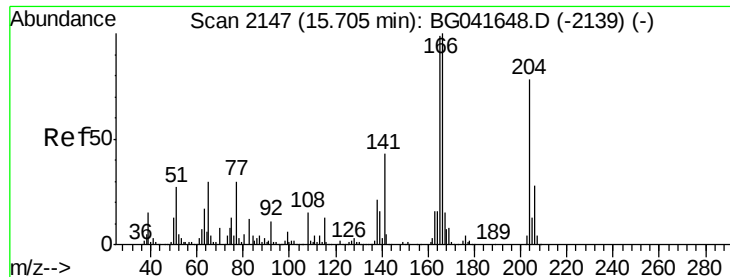
mohammad
 7/23/2019 4:23:40 PM



#60
 Diethylphthalate
 Concen: 40.787 ng
 RT: 15.48 min Scan# 2108
 Delta R.T. -0.02 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1123293		
177	26.3		20.7	31.1
150	14.6		11.5	17.3





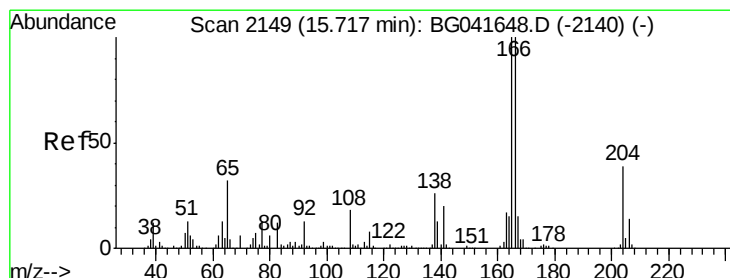
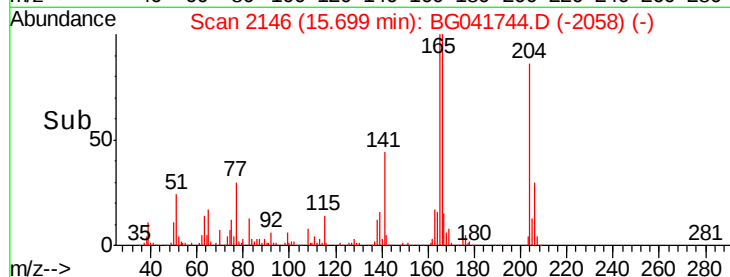
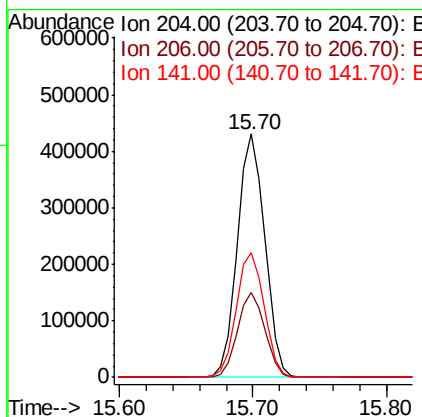
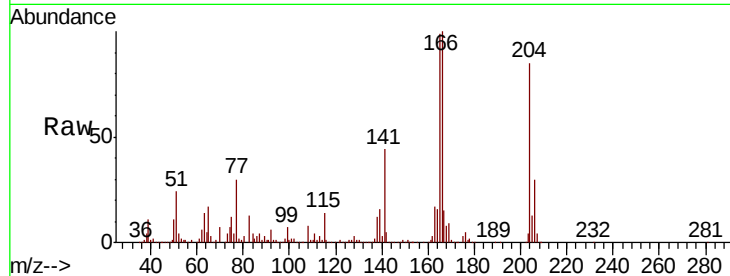
#61
 4-Chlorophenyl-phenylether
 Concen: 41.545 ng
 RT: 15.70 min Scan# 2146
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.7	28.6	42.8
141	51.3	42.9	64.3

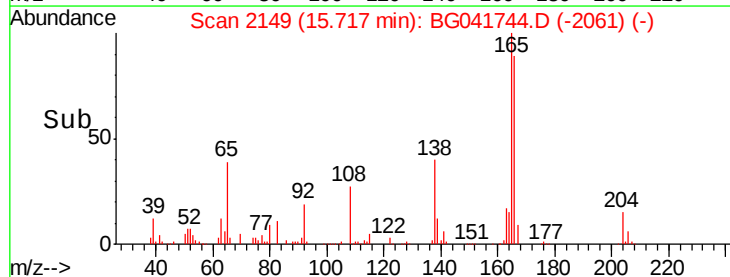
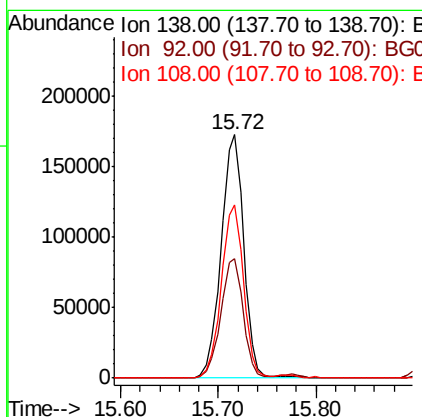
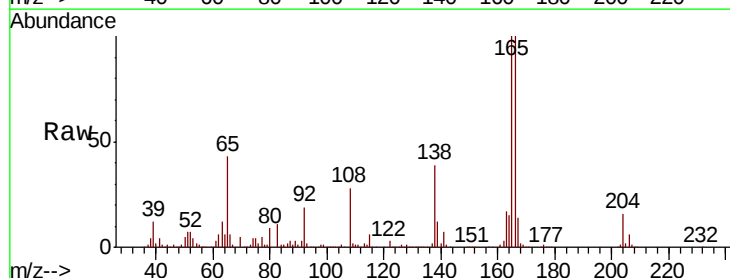
Manual Integrations
 APPROVED

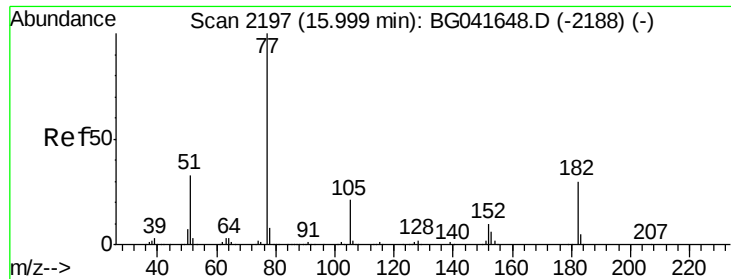
mohammad
 7/23/2019 4:23:40 PM



#62
 4-Nitroaniline
 Concen: 41.492 ng
 RT: 15.72 min Scan# 2149
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.2	29.8	69.8
108	71.3	52.2	92.2





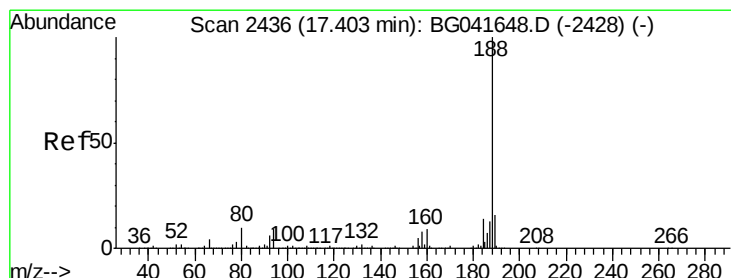
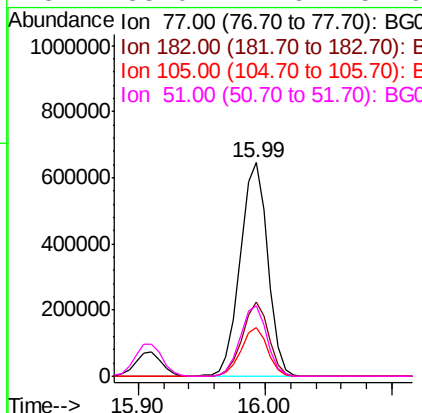
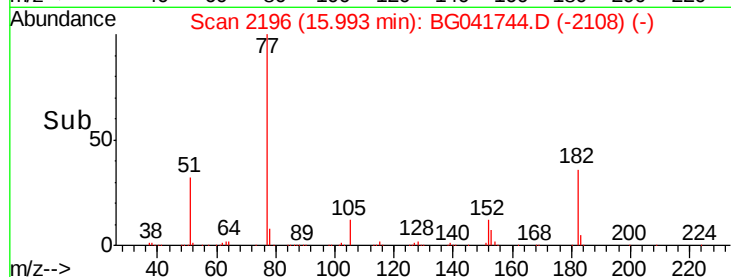
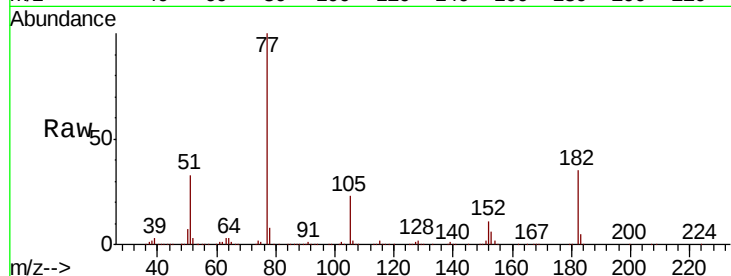
#63
Azobenzene
Concen: 38.870 ng
RT: 15.99 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	34.5	13.2	53.2	
105	22.6	2.2	42.2	
51	33.0	14.6	54.6	

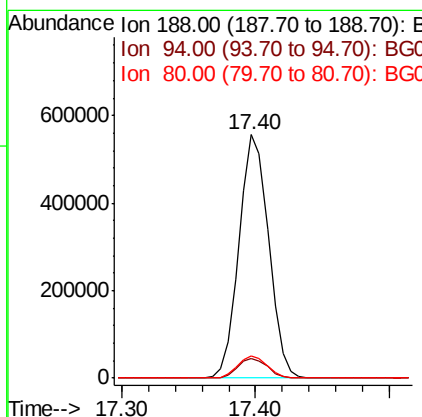
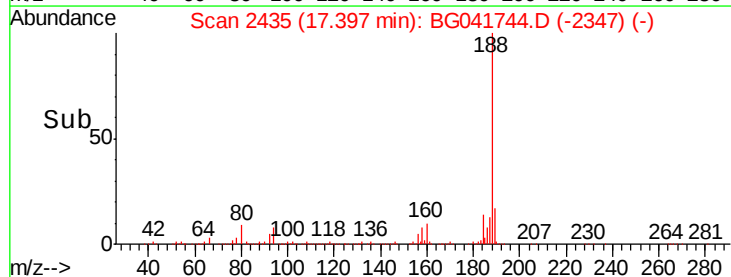
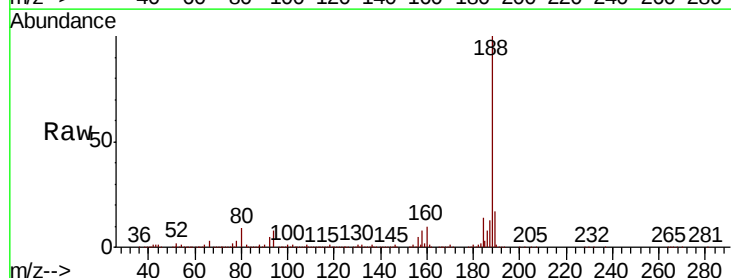
Manual Integrations
APPROVED

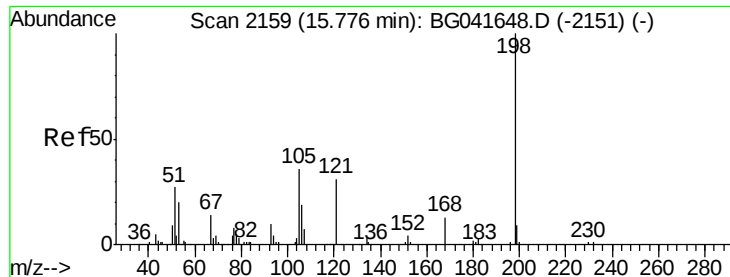
mohammad
7/23/2019 4:23:40 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.3	6.9	10.3	
80	9.3	8.0	12.0	





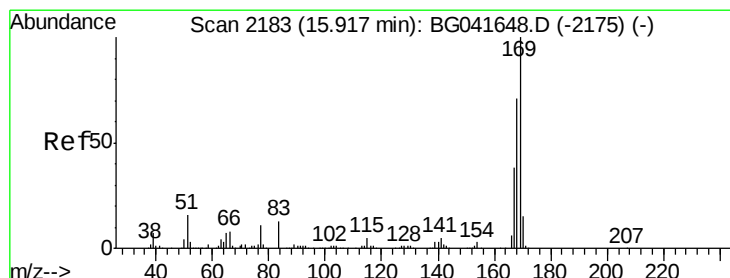
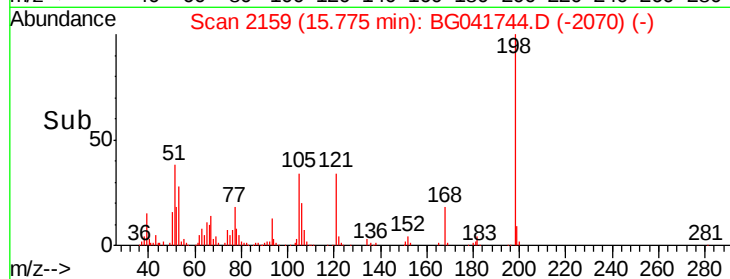
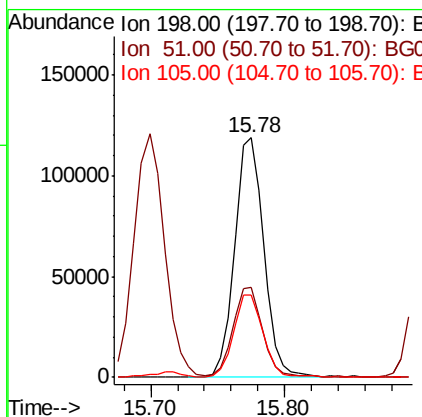
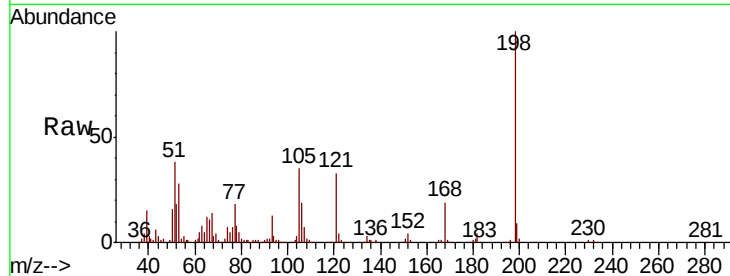
#65
4,6-Dinitro-2-methylphenol
Concen: 45.061 ng
RT: 15.78 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	180139		
51	37.8	22.3	62.3	
105	34.5	18.0	58.0	

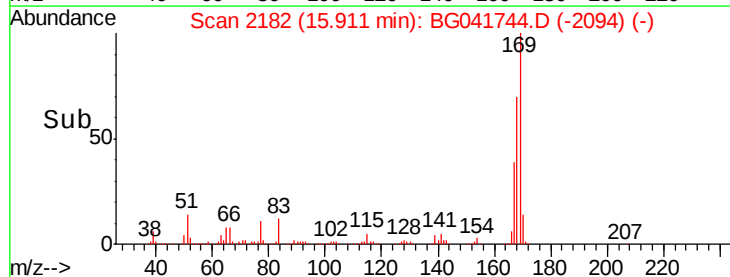
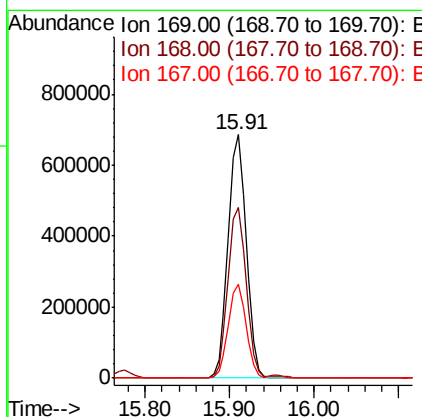
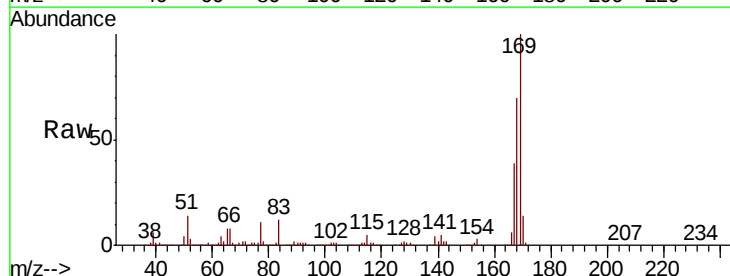
Manual Integrations
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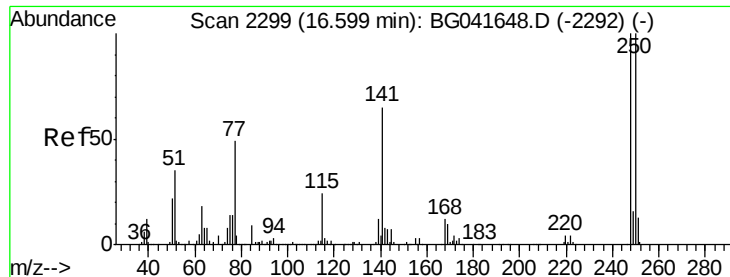
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 40.587 ng
RT: 15.91 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1014395		
168	70.1	56.9	85.3	
167	38.5	31.5	47.3	





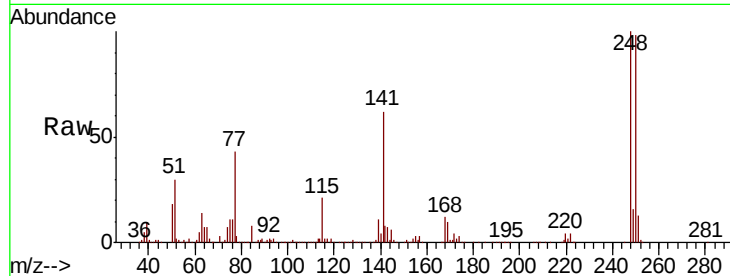
#67
4-Bromophenyl-phenylether
Concen: 41.375 ng
RT: 16.59 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	61.9	49.6	74.4

Manual Integrations
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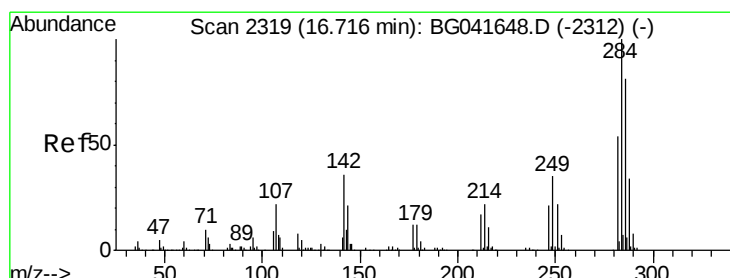
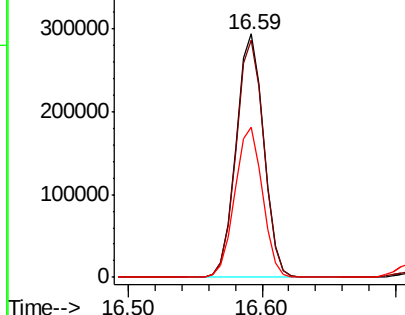
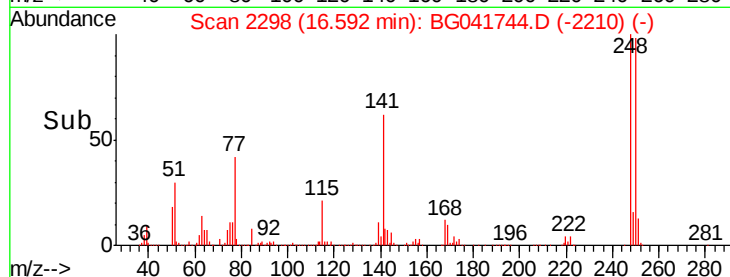


Abundance

Ion 248.00 (247.70 to 248.70): E

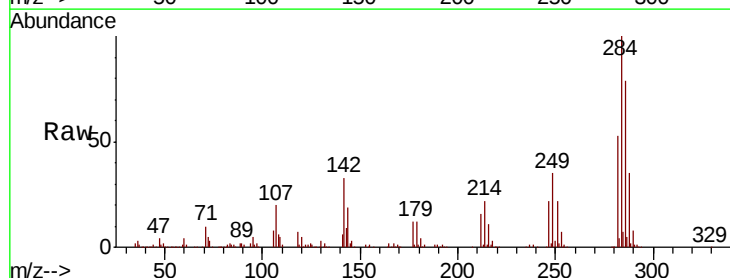
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 40.908 ng
RT: 16.71 min Scan# 2318
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.2	27.0	40.6
249	34.6	28.4	42.6

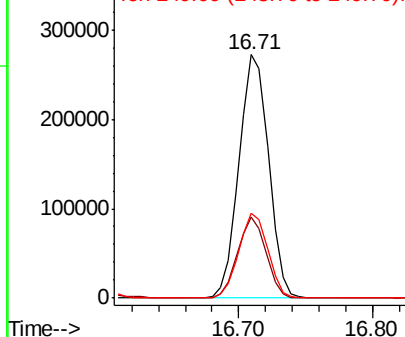
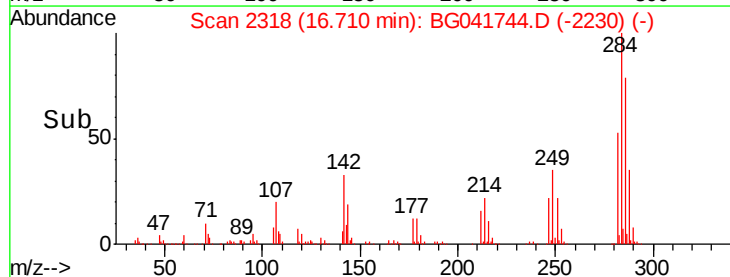


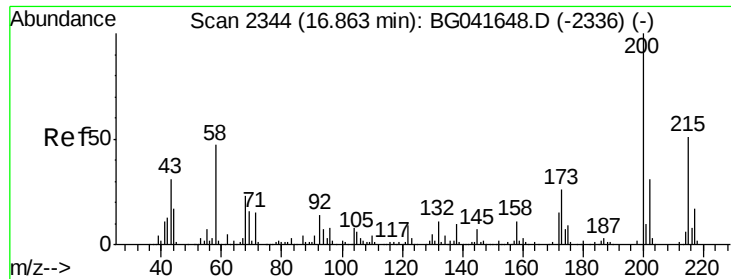
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





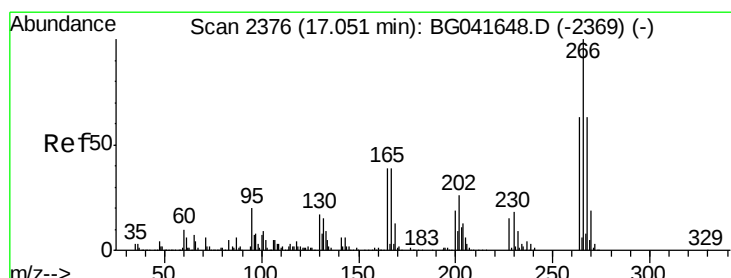
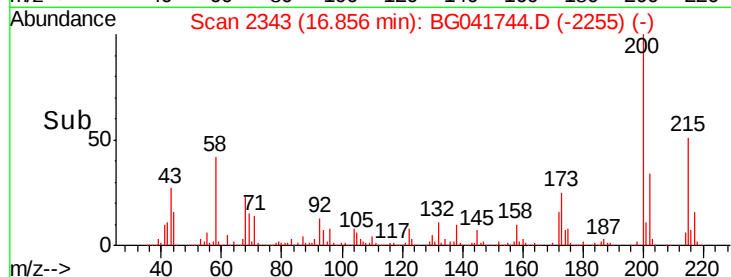
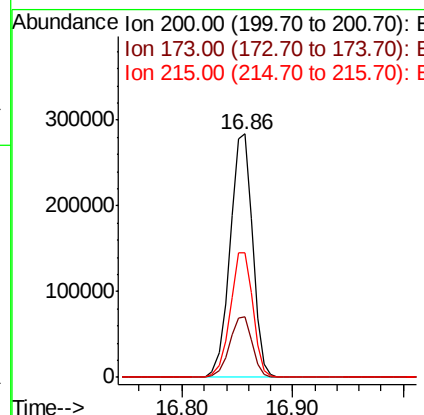
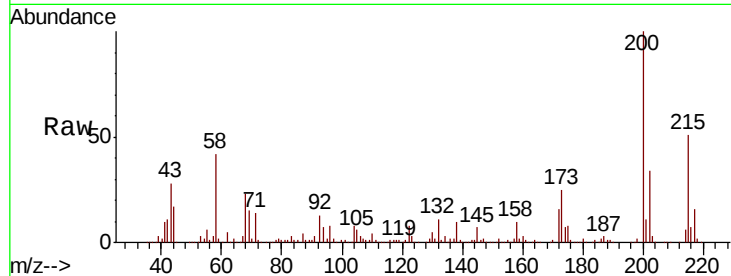
#69
Atrazine
Concen: 44.734 ng
RT: 16.86 min Scan# 2343
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.3	45.3
215	51.0	31.8	71.8

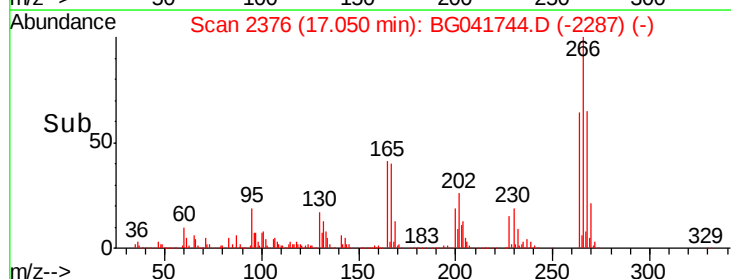
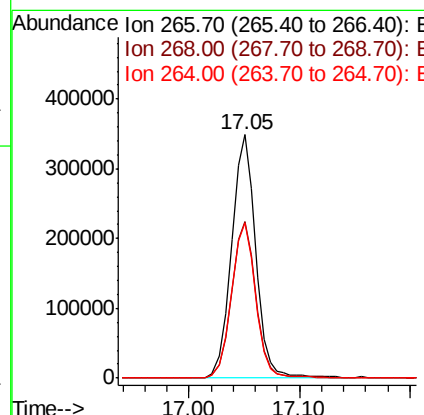
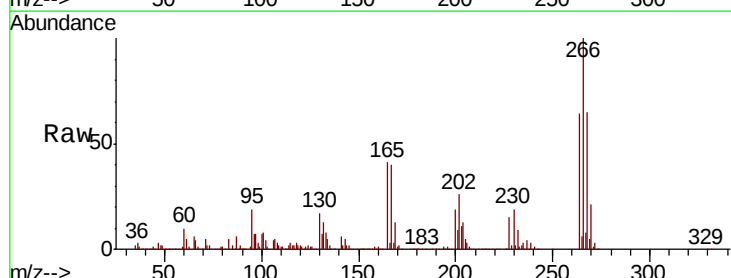
Manual Integrations
APPROVED

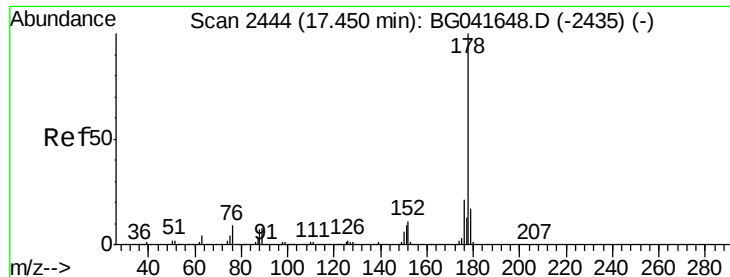
mohammad
7/23/2019 4:23:40 PM



#70
Pentachlorophenol
Concen: 84.223 ng
RT: 17.05 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	52.9	79.3
264	63.8	51.4	77.2





#71

Phenanthrene

Concen: 40.501 ng

RT: 17.44 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion:178 Resp: 1735874

Ion Ratio Lower Upper

178 100

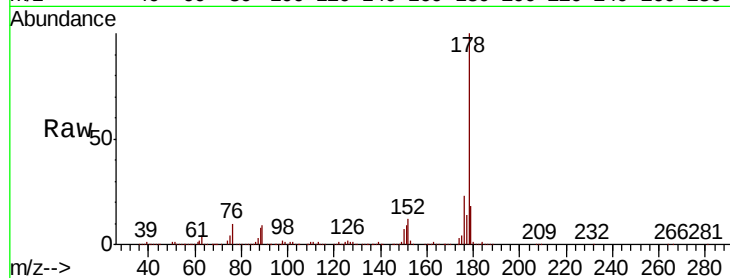
176 23.1 18.6 28.0

179 18.5 15.4 23.0

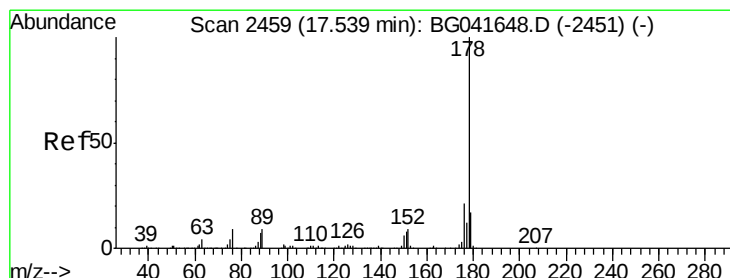
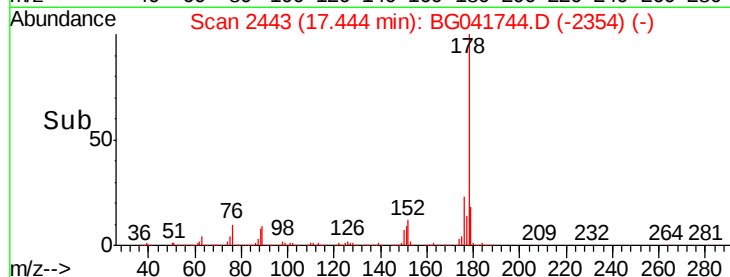
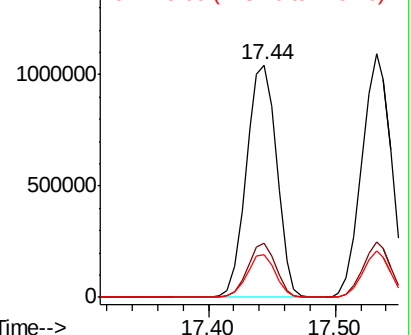
Manual Integrations
APPROVED

mohammad

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Abundance Ion 178.00 (177.70 to 178.70): E
1500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 41.202 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

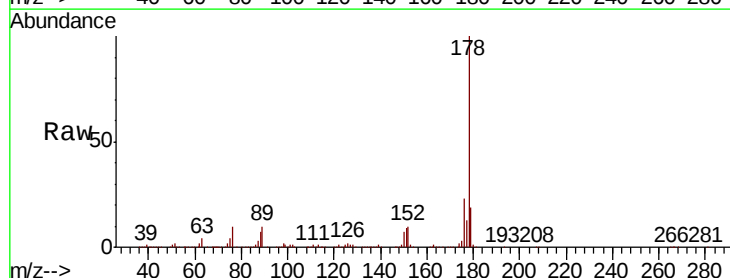
Tgt Ion:178 Resp: 1760277

Ion Ratio Lower Upper

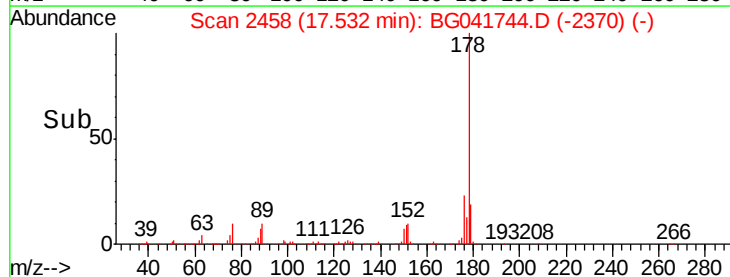
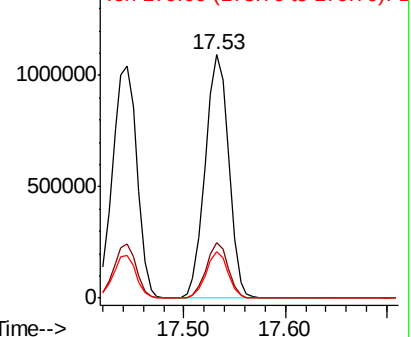
178 100

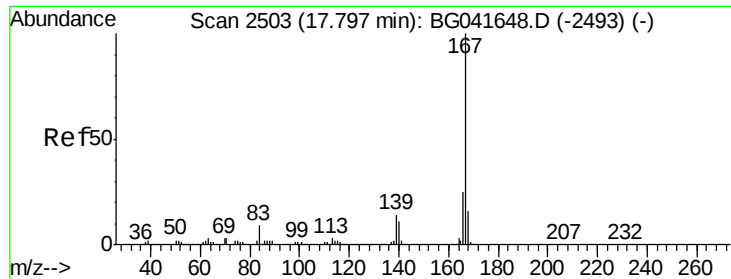
176 22.7 18.6 28.0

179 19.3 15.1 22.7



Abundance Ion 178.00 (177.70 to 178.70): E
1500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





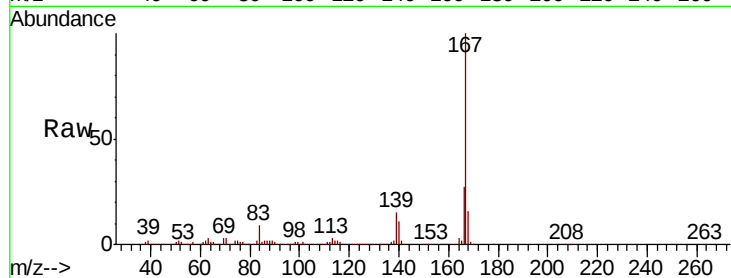
#73
 Carbazole
 Concen: 41.527 ng
 RT: 17.80 min Scan# 2503
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

Instrument :
 BNA_G
 ClientSampleId :
 HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	27.1	21.4	32.2
139	14.6	12.1	18.1

Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:23:40 PM

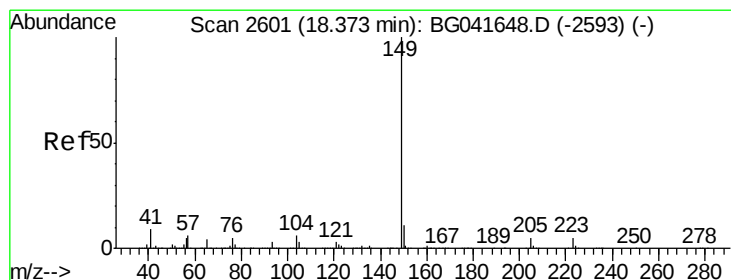
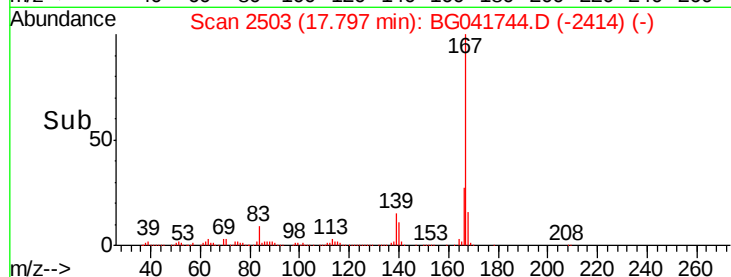
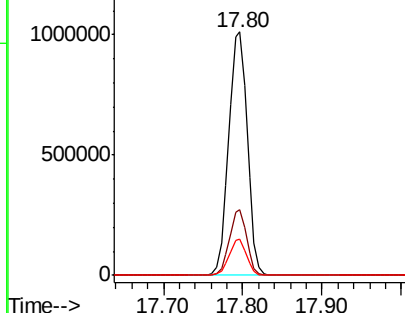


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 38.542 ng
 RT: 18.36 min Scan# 2599
 Delta R.T. -0.01 min
 Lab File: BG041744.D
 Acq: 22 Jul 2019 11:31

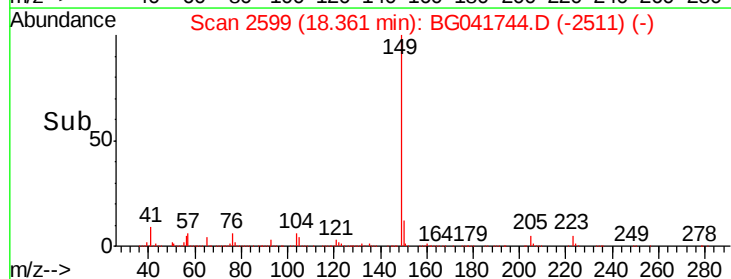
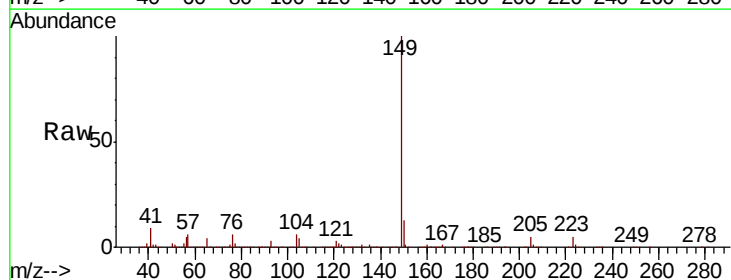
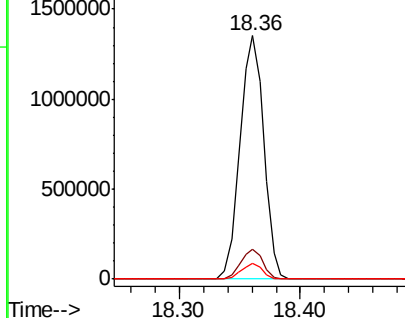
Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.5	10.2	15.2
104	6.3	5.3	7.9

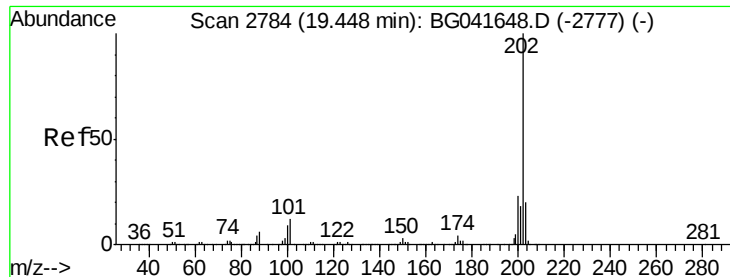
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 40.041 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

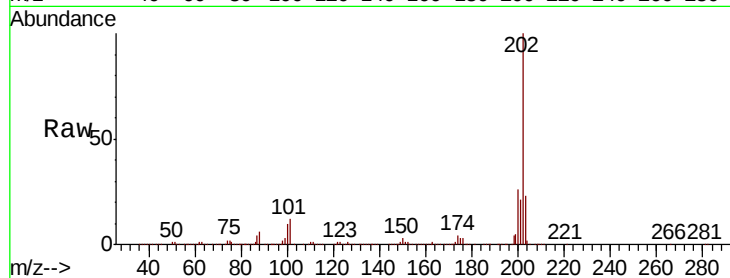
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	202	Resp:	2107317
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.8
203	23.1	3.7	43.7

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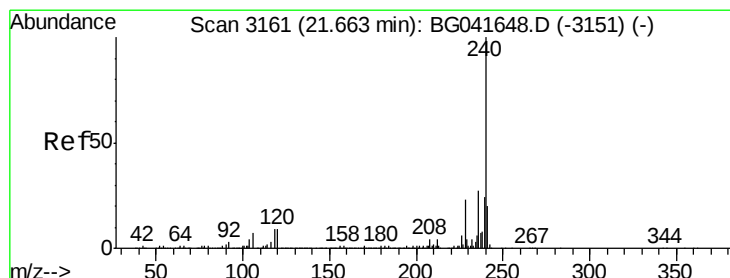
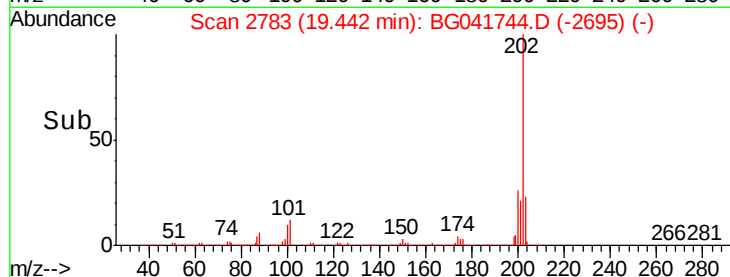
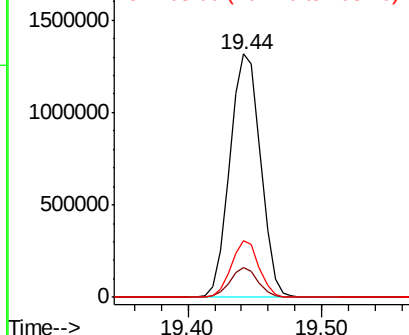


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

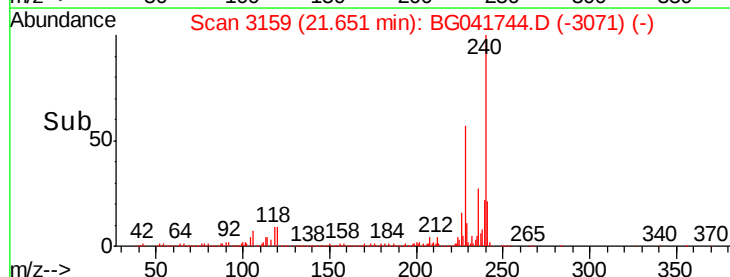
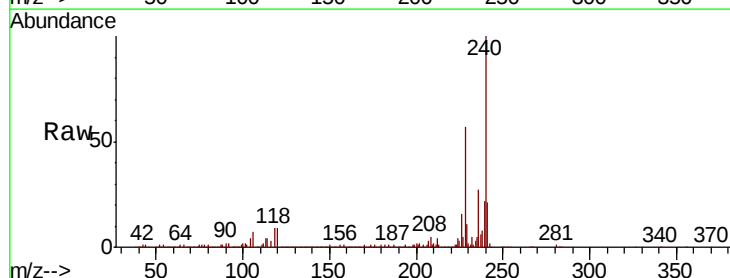
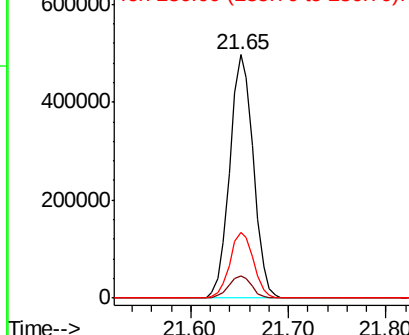
Tgt Ion:	240	Resp:	830056
Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.0	12.0
236	27.0	22.6	33.8

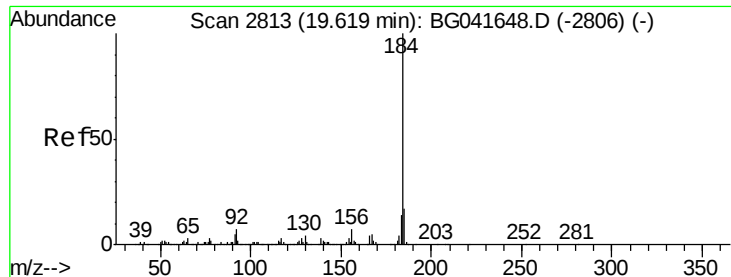
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 4.560 ng

RT: 19.61 min Scan# 2812

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

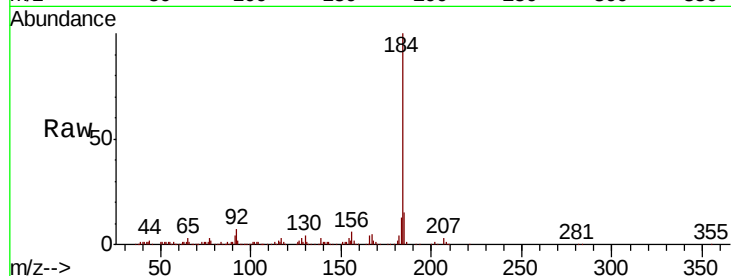
ClientSampleId :

HR-06-071719-AMS

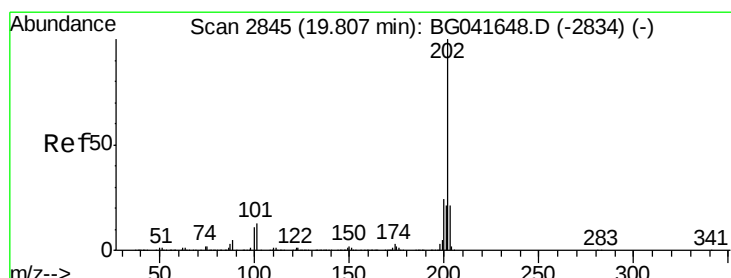
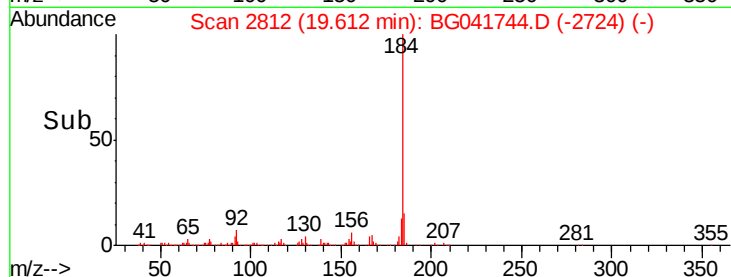
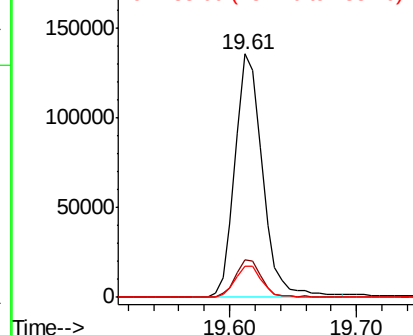
Tot Ion:	184	Resp:	204403
Ion Ratio	Lower	Upper	
184	100		
185	15.3	13.0	19.4
183	12.7	11.8	17.6

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.656 ng

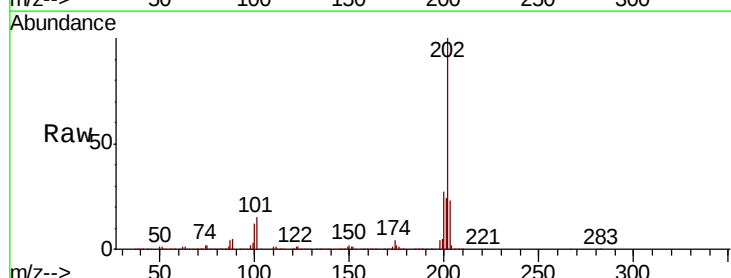
RT: 19.80 min Scan# 2844

Delta R.T. -0.01 min

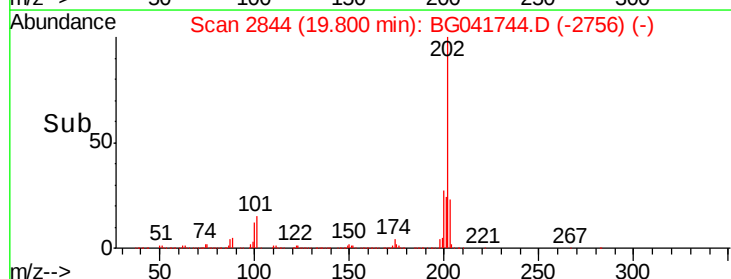
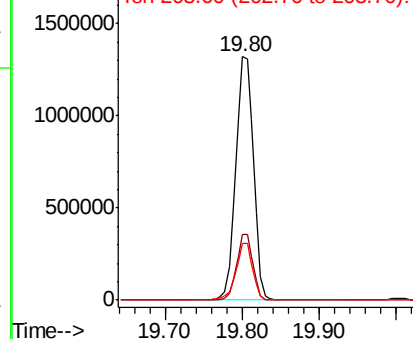
Lab File: BG041744.D

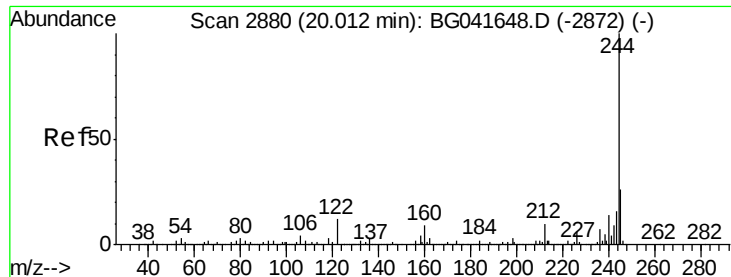
Acq: 22 Jul 2019 11:31

Tgt Ion:	202	Resp:	2113951
Ion Ratio	Lower	Upper	
202	100		
200	27.1	22.2	33.2
203	23.4	18.9	28.3



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





#79

Terphenyl-d14

Concen: 79.653 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion:244 Resp: 2829272

Ion Ratio Lower Upper

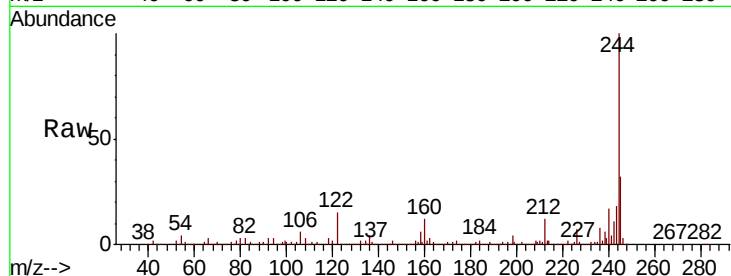
244 100

212 12.3 9.7 14.5

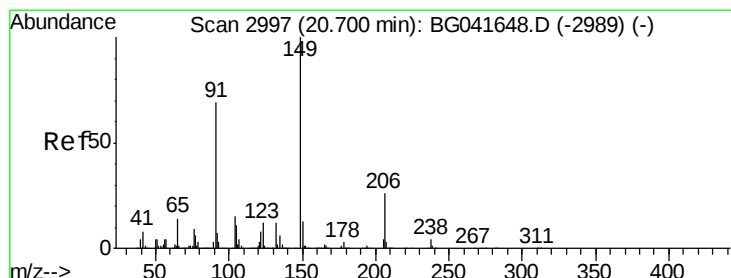
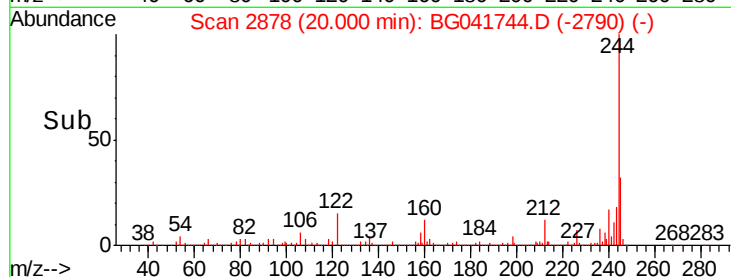
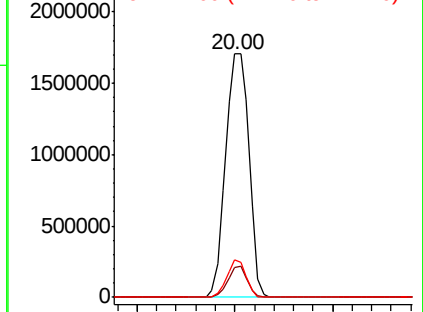
122 15.4 12.5 18.7

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 39.598 ng

RT: 20.69 min Scan# 2995

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

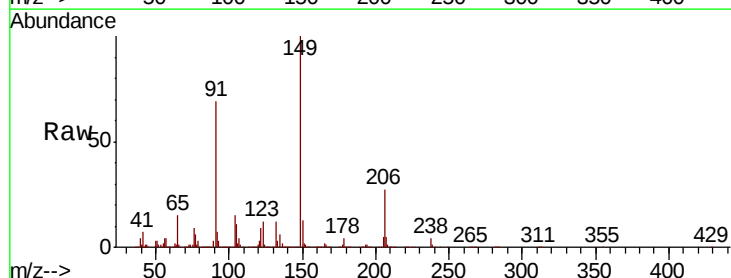
Tgt Ion:149 Resp: 923749

Ion Ratio Lower Upper

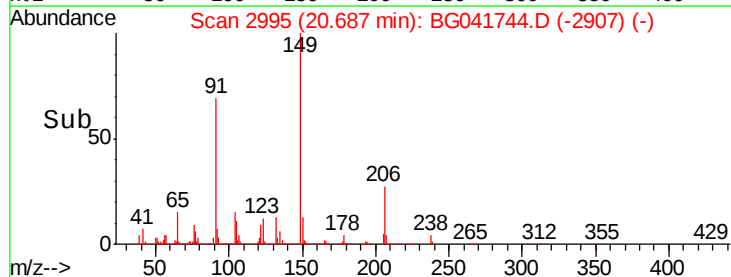
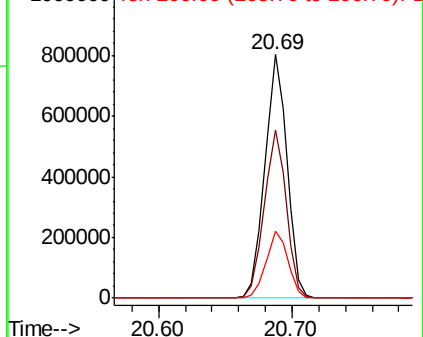
149 100

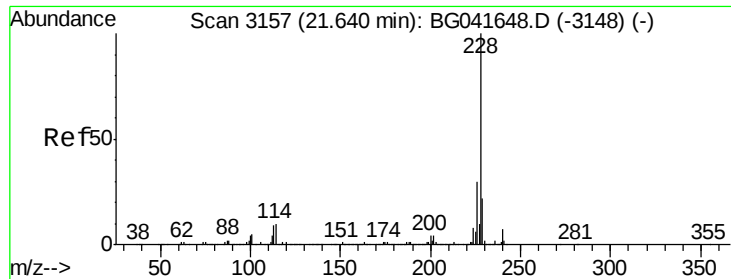
91 69.0 58.9 88.3

206 27.3 20.8 31.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 38.894 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion:228 Resp: 2085908

Ion Ratio Lower Upper

228 100

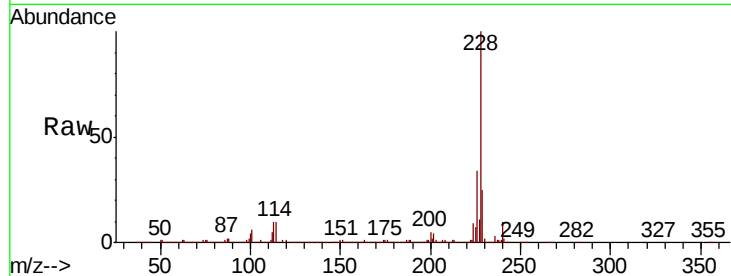
226 33.9 27.3 40.9

229 24.6 19.7 29.5

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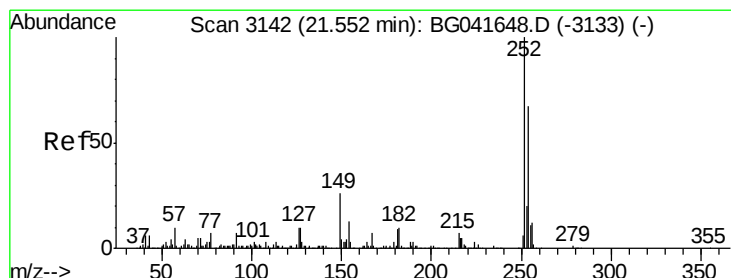
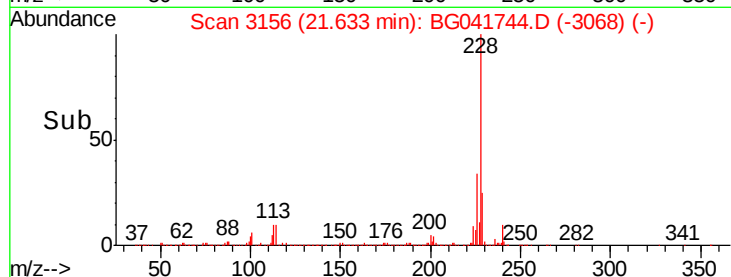
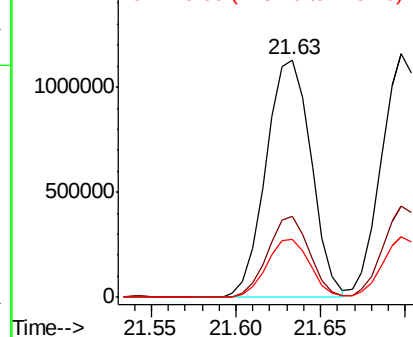


Abundance

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: 20.908 ng

RT: 21.55 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

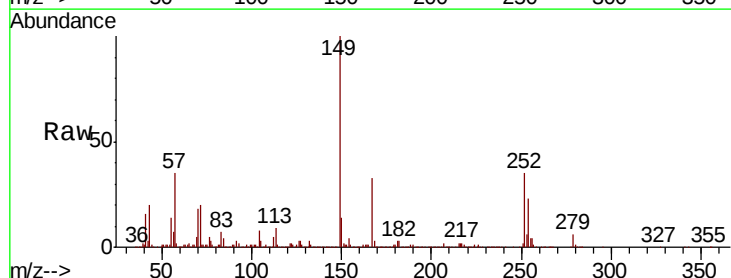
Tgt Ion:252 Resp: 441250

Ion Ratio Lower Upper

252 100

254 66.0 53.8 80.6

126 9.3 7.8 11.8

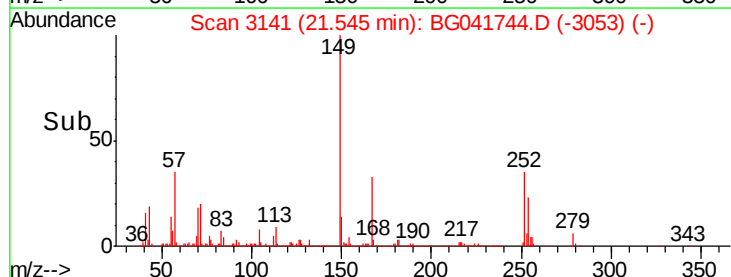
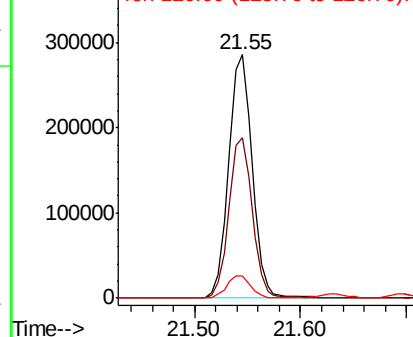


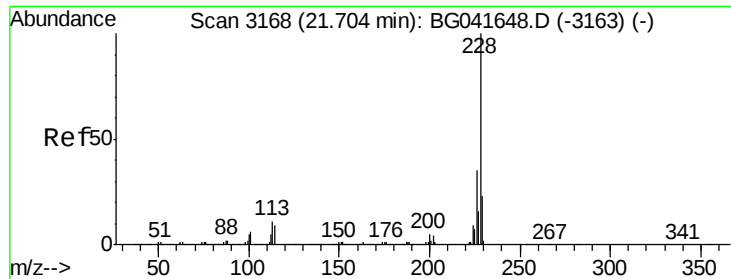
Abundance

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





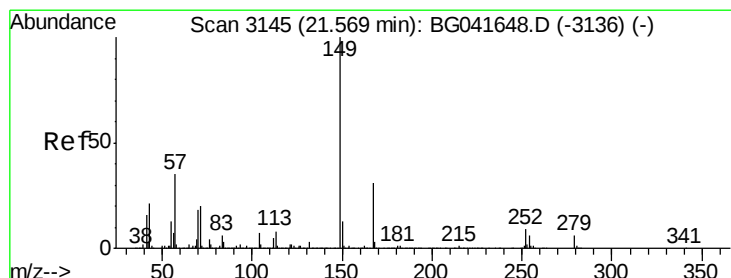
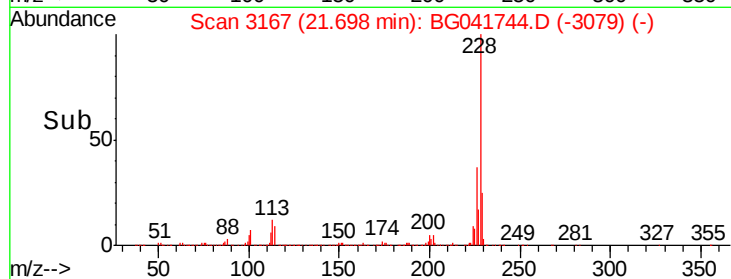
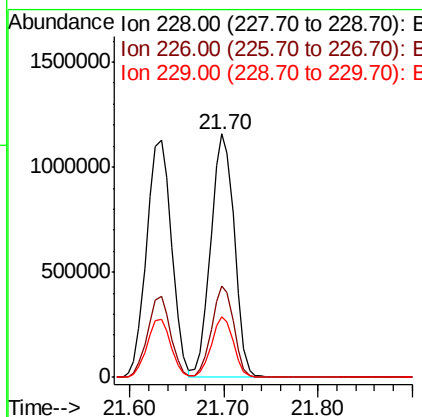
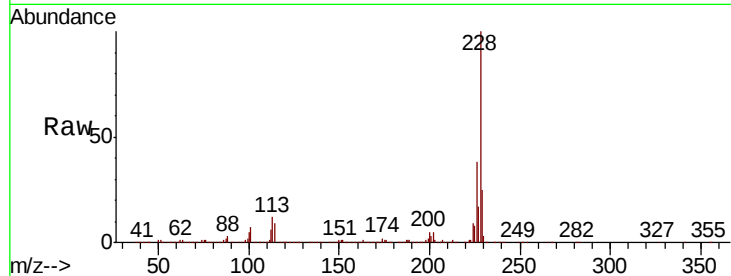
#83
Chrysene
Concen: 39.685 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion:228 Resp: 2033717
Ion Ratio Lower Upper
228 100
226 37.6 30.1 45.1
229 24.6 19.8 29.6

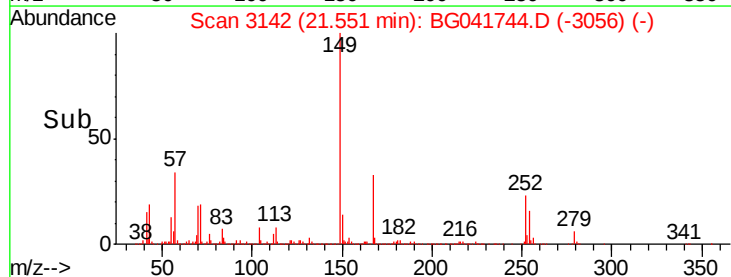
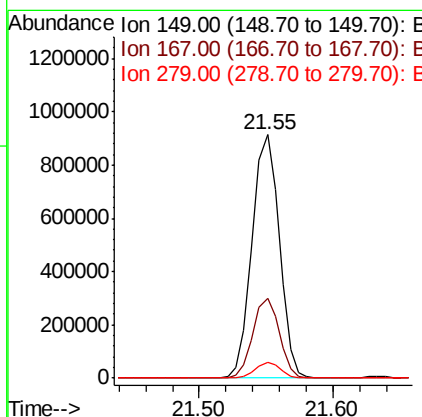
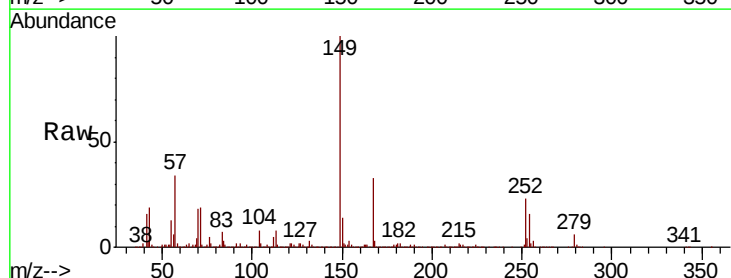
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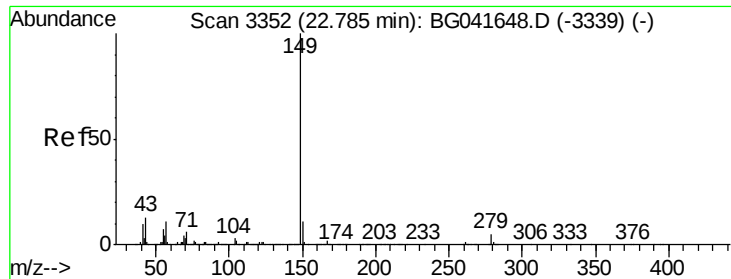
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 38.898 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.02 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion:149 Resp: 1281207
Ion Ratio Lower Upper
149 100
167 32.9 27.0 40.4
279 6.3 5.0 7.6





#85

Di-n-octyl phthalate

Concen: 39.218 ng

RT: 22.76 min Scan# 3347

Delta R.T. -0.03 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

ClientSampleId :

HR-06-071719-AMS

Tot Ion:149 Resp: 2199838

Ion Ratio Lower Upper

149 100

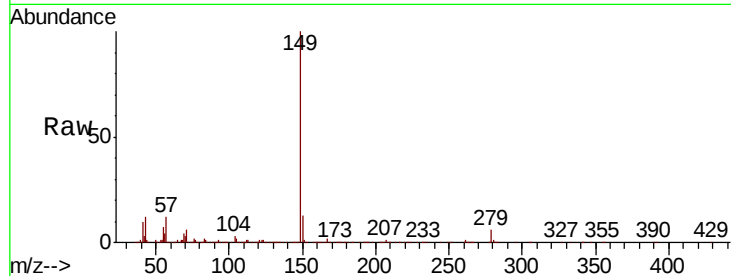
167 1.9 1.6 2.4

43 11.2 10.6 16.0

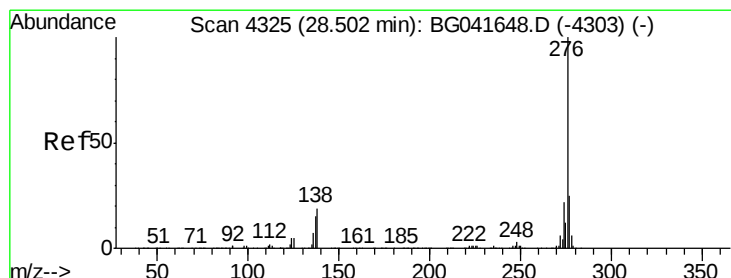
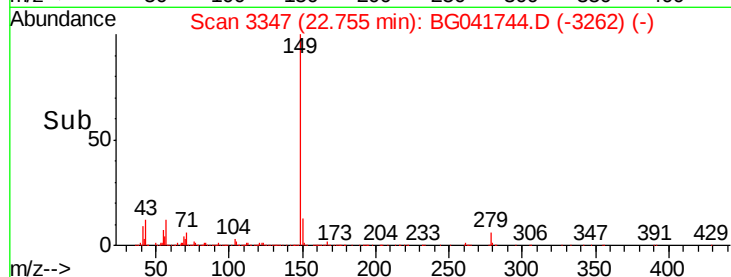
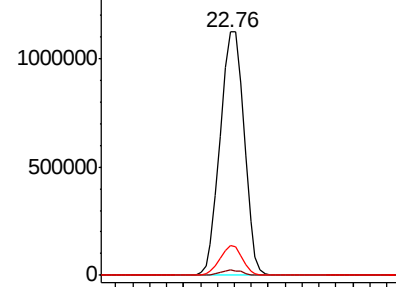
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Abundance Ion 149.00 (148.70 to 149.70): E
1500000 Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 40.948 ng

RT: 28.49 min Scan# 4323

Delta R.T. -0.03 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

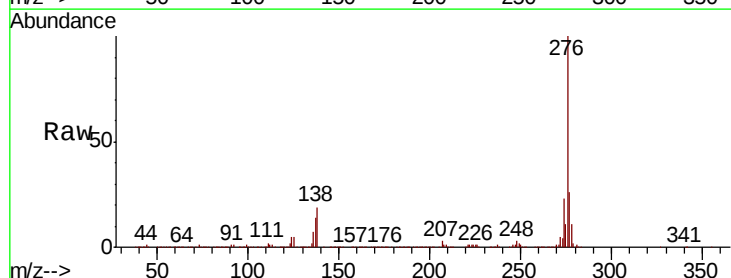
Tgt Ion:276 Resp: 2768829

Ion Ratio Lower Upper

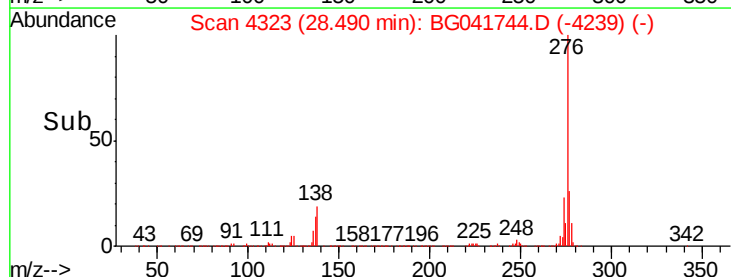
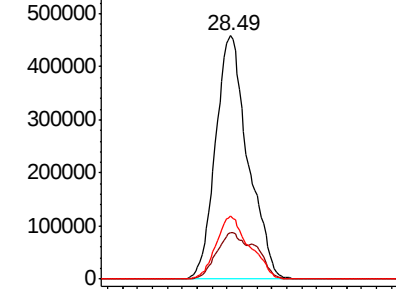
276 100

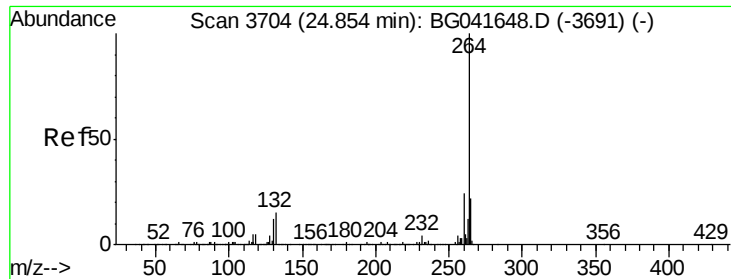
138 15.7 19.4 29.0#

277 26.7 21.2 31.8



Abundance Ion 276.00 (275.70 to 276.70): E
600000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.84 min Scan# 3702

Delta R.T. -0.02 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

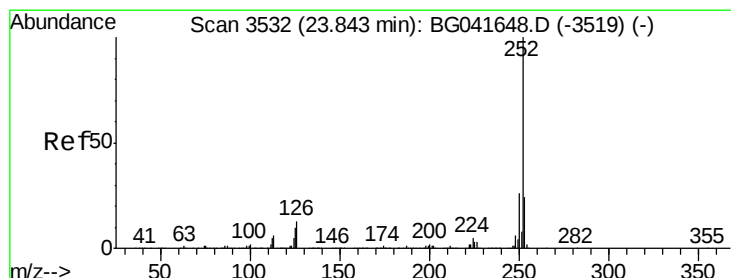
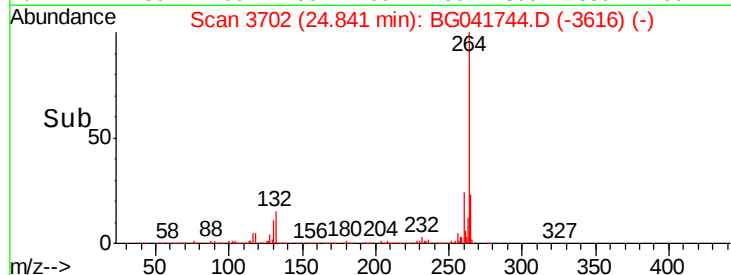
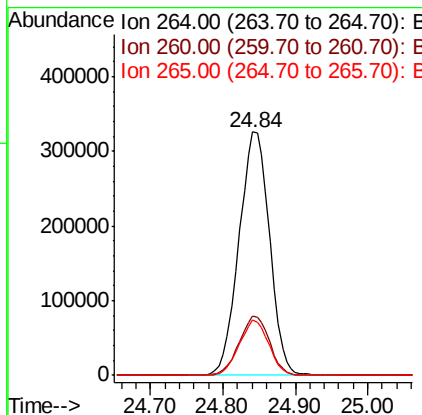
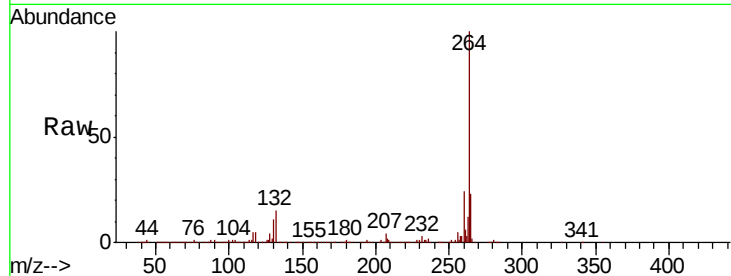
ClientSampleId :

HR-06-071719-AMS

Tot Ion:	264	Resp:	954465
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	22.9	18.0	27.0

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#88

Benzo(b)fluoranthene

Concen: 40.182 ng

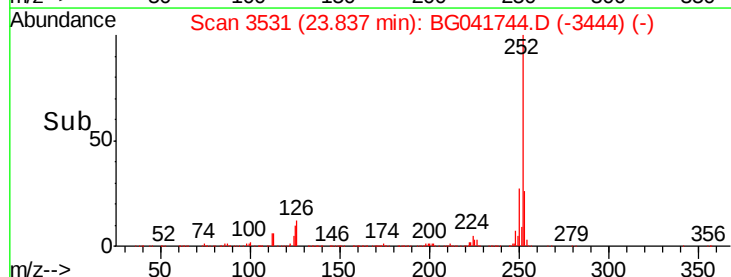
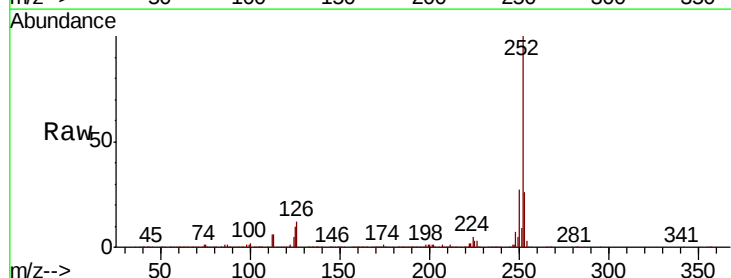
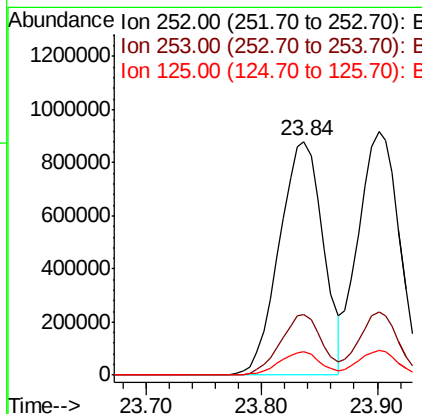
RT: 23.84 min Scan# 3531

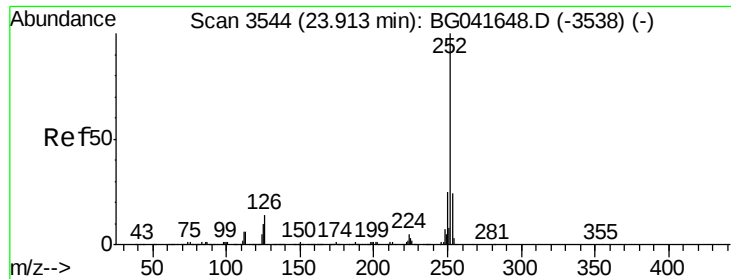
Delta R.T. -0.02 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion:	252	Resp:	2326342
Ion Ratio	Lower	Upper	
252	100		
253	25.9	20.6	30.8
125	9.8	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 42.289 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.02 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Instrument :

BNA_G

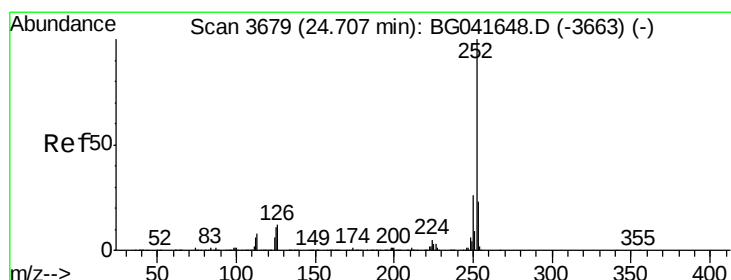
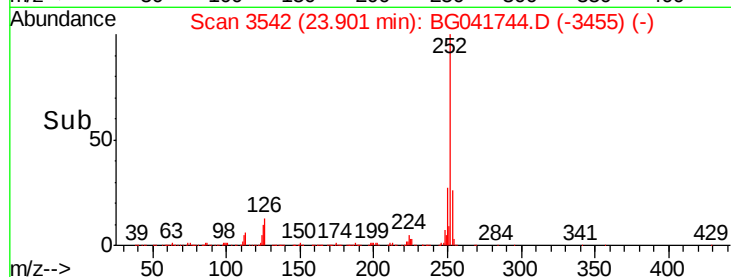
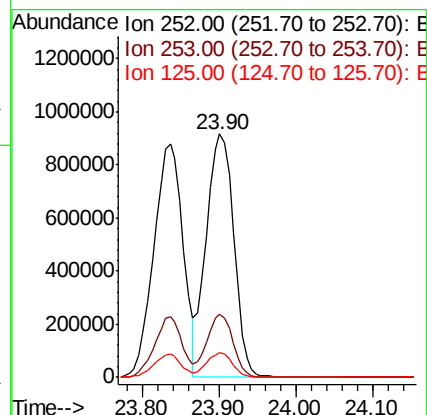
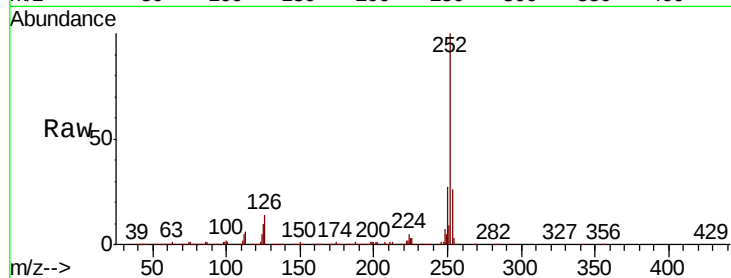
ClientSampleId :

HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	20.5	30.7
125	10.2	8.4	12.6

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 41.885 ng

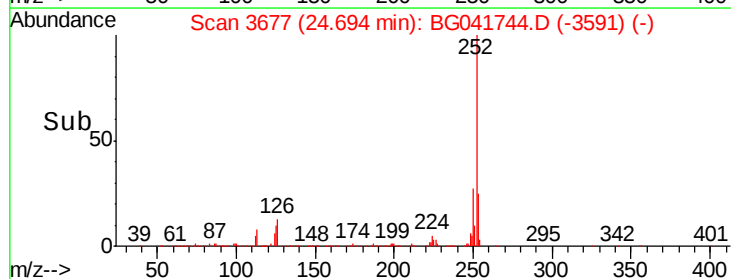
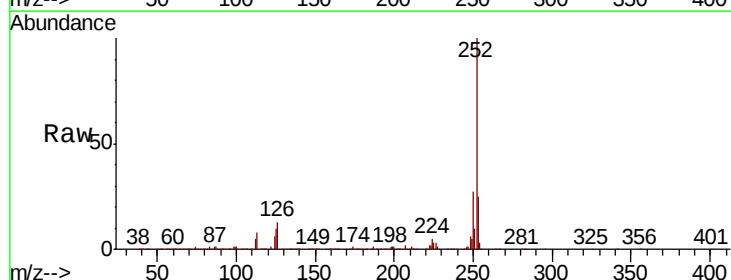
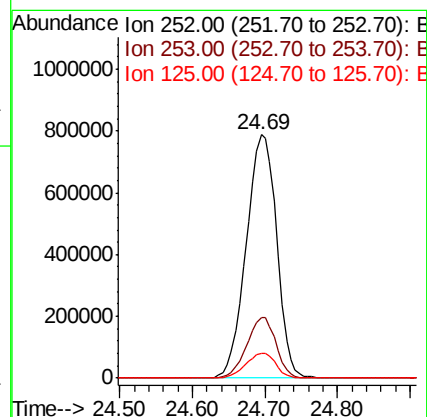
RT: 24.69 min Scan# 3677

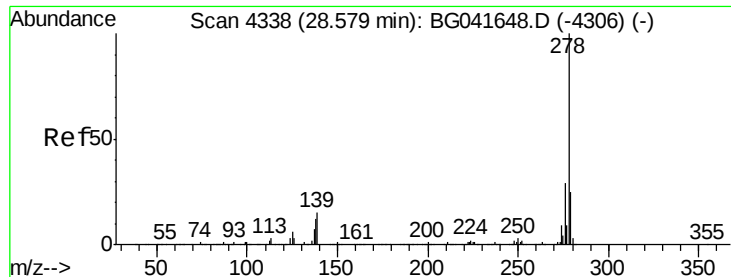
Delta R.T. -0.02 min

Lab File: BG041744.D

Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.8	29.8
125	10.4	8.8	13.2





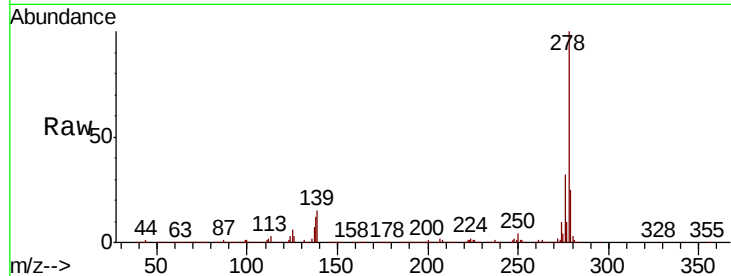
#91
Dibenzo(a,h)anthracene
Concen: 42.298 ng
RT: 28.55 min Scan# 4334
Delta R.T. -0.04 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Instrument :
BNA_G
ClientSampleId :
HR-06-071719-AMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.6	19.0
279	25.1	20.5	30.7

Manual Integrations
APPROVED

mohammad
7/23/2019 4:23:40 PM

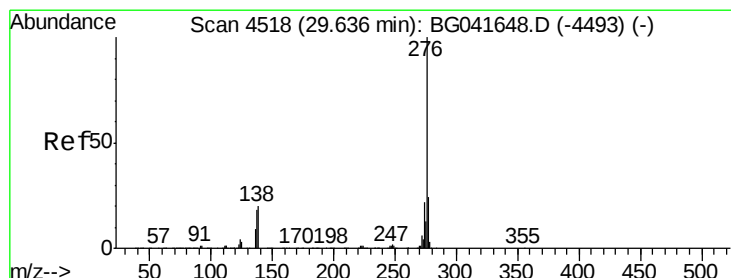
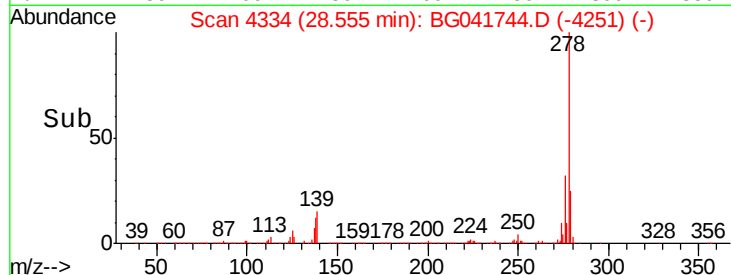
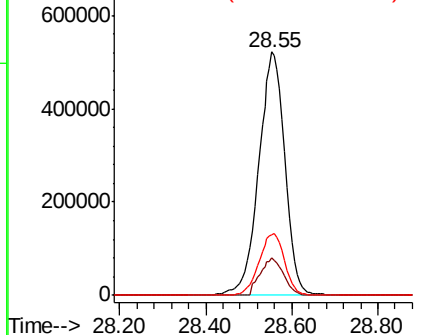


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 43.001 ng
RT: 29.64 min Scan# 4518
Delta R.T. -0.03 min
Lab File: BG041744.D
Acq: 22 Jul 2019 11:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	19.6	16.6	25.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

