

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073119\
 Data File : BG041839.D
 Acq On : 31 Jul 2019 18:50
 Operator : HP/JU
 Sample : K3621-08MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Manual Integrations
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mohammad
 8/1/2019 5:10:16 PM

Quant Time: Aug 01 02:25:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	29289	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	154056	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	175008	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	609525	20.00	ng	0.00
76) Chrysene-d12	21.74	240	695381	20.00	ng	0.00
87) Perylene-d12	25.01	264	770428	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	251277	166.92	ng	0.00
7) Phenol-d6	7.19	99	377852	186.18	ng	0.00
23) Nitrobenzene-d5	9.20	82	249154	111.30	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	477626	240.27	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	850027	85.67	ng	0.00
79) Terphenyl-d14	20.07	244	2920532	96.10	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.46	88	18431	26.013	ng	# 47
3) Pyridine	3.88	79	74031	38.102	ng	90
4) n-Nitrosodimethylamine	3.78	42	33414	43.381	ng	# 88
6) Aniline	7.35	93	93847	32.840	ng	94
8) 2-Chlorophenol	7.60	128	109120	63.302	ng	92
9) Benzaldehyde	7.17	77	56345	39.456	ng	93
10) Phenol	7.22	94	127336	60.309	ng	98
11) bis(2-Chloroethyl)ether	7.45	93	84393	48.620	ng	93
12) 1,3-Dichlorobenzene	7.94	146	91672	40.746	ng	97
13) 1,4-Dichlorobenzene	8.08	146	97520	43.319	ng	95
14) 1,2-Dichlorobenzene	8.40	146	98990	46.083	ng	94
15) Benzyl Alcohol	8.28	79	112350	70.366	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.57	45	135785	43.970	ng	98
17) 2-Methylphenol	8.48	107	102719	66.895	ng	98
18) Hexachloroethane	9.14	117	31086	40.324	ng	92
19) n-Nitroso-di-n-propylamine	8.85	70	88558	60.103	ng	94
20) 3+4-Methylphenols	8.81	107	151059	71.889	ng	99
22) Acetophenone	8.86	105	169575	49.211	ng	# 92
24) Nitrobenzene	9.25	77	122935	52.126	ng	99
25) Isophorone	9.77	82	277676	57.019	ng	99
26) 2-Nitrophenol	9.97	139	69598	63.584	ng	95
27) 2,4-Dimethylphenol	10.03	122	131629	68.136	ng	98
28) bis(2-Chloroethoxy)methane	10.26	93	148371	48.755	ng	98
29) 2,4-Dichlorophenol	10.51	162	156924	66.703	ng	98
30) 1,2,4-Trichlorobenzene	10.73	180	131979	44.239	ng	97
31) Naphthalene	10.91	128	358353	50.825	ng	97
32) Benzoic acid	10.13	122	52376	39.778	ng	90
33) 4-Chloroaniline	11.02	127	48322	14.452	ng	97
34) Hexachlorobutadiene	11.21	225	74917	37.208	ng	95
35) Caprolactam	11.83	113	85866m	105.024	ng	
36) 4-Chloro-3-methylphenol	12.14	107	202909	86.997	ng	98
37) 2-Methylnaphthalene	12.52	142	327411	58.666	ng	98
38) 1-Methylnaphthalene	12.75	142	319656	60.440	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	208858	37.702	ng	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	185583	59.585	nq	99
43) 2,4,6-Trichlorophenol	13.13	196	183392	52.378	nq	99
44) 2,4,5-Trichlorophenol	13.20	196	222712	61.209	nq	97
46) 1,1'-Biphenyl	13.54	154	478304	42.516	nq	94
47) 2-Chloronaphthalene	13.58	162	402162	41.987	nq	96
48) 2-Nitroaniline	13.77	65	158310	65.169	nq	89
49) Acenaphthylene	14.42	152	731178	51.033	nq	97
50) Dimethylphthalate	14.15	163	702706	58.793	nq	98
51) 2,6-Dinitrotoluene	14.26	165	173106	69.263	nq #	85
52) Acenaphthene	14.76	154	487289	52.293	nq	98
53) 3-Nitroaniline	14.59	138	76959	28.783	nq	85
54) 2,4-Dinitrophenol	14.80	184	120111	79.426	nq	87
55) Dibenzofuran	15.10	168	775977	54.443	nq	95
56) 4-Nitrophenol	14.90	139	411623	202.814	nq	95
57) 2,4-Dinitrotoluene	15.05	165	284210	82.691	nq	92
58) Fluorene	15.75	166	687201	60.079	nq	96
59) 2,3,4,6-Tetrachlorophenol	15.33	232	278940	77.404	nq #	92
60) Diethylphthalate	15.52	149	759182	64.697	nq	99
61) 4-Chlorophenyl-phenylether	15.74	204	381239	54.596	nq	95
62) 4-Nitroaniline	15.76	138	251431	86.819	nq	97
63) Azobenzene	16.03	77	570089	59.474	nq	94
65) 4,6-Dinitro-2-methylphenol	15.82	198	137327	46.314	nq	83
66) n-Nitrosodiphenylamine	15.96	169	713457	42.971	nq	98
67) 4-Bromophenyl-phenylether	16.64	248	301050	40.096	nq	98
68) Hexachlorobenzene	16.76	284	326661	41.587	nq	94
69) Atrazine	16.90	200	369837	56.694	nq	100
70) Pentachlorophenol	17.10	266	370652	83.065	nq	98
71) Phenanthrene	17.50	178	1456257	49.844	nq	97
72) Anthracene	17.58	178	1504882	51.646	nq	97
73) Carbazole	17.85	167	1594807	60.980	nq	98
74) Di-n-butylphthalate	18.42	149	1712907	57.772	nq	98
75) Fluoranthene	19.50	202	2182650	61.461	nq	98
77) Benzidine	19.68	184	330016	14.540	nq	95
78) Pyrene	19.87	202	2206836	53.564	nq	100
80) Butylbenzylphthalate	20.76	149	905128	57.300	nq	90
81) Benzo(a)anthracene	21.72	228	1996905	48.537	nq	99
82) 3,3'-Dichlorobenzidine	21.63	252	378576	22.919	nq #	97
83) Chrysene	21.78	228	1959739	49.692	nq	99
84) Bis(2-ethylhexyl)phthalate	21.63	149	1168260	53.616	nq	98
85) Di-n-octyl phthalate	22.87	149	1839481	50.162	nq #	92
86) Indeno(1,2,3-cd)pyrene	28.76	276	2531269	48.486	nq #	95
88) Benzo(b)fluoranthene	23.97	252	2105807	49.965	nq	98
89) Benzo(k)fluoranthene	24.05	252	2067001	50.348	nq #	97
90) Benzo(a)pyrene	24.86	252	2096622	51.870	nq #	98
91) Dibenzo(a,h)anthracene	28.83	278	2062181	51.958	nq #	97
92) Benzo(g,h,i)perylene	29.93	276	2103057	53.036	nq	96

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



#1

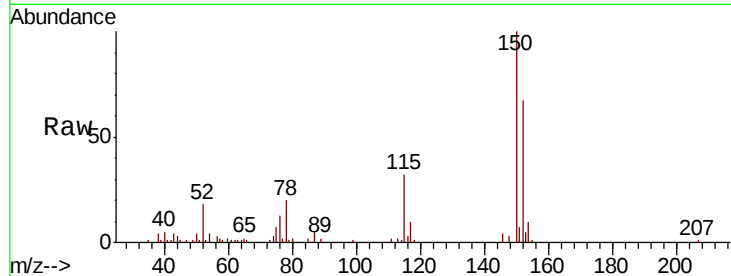
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	126.9	190.3
115	47.8	45.0	67.6

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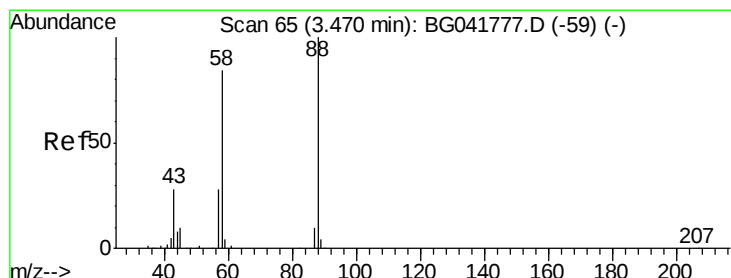
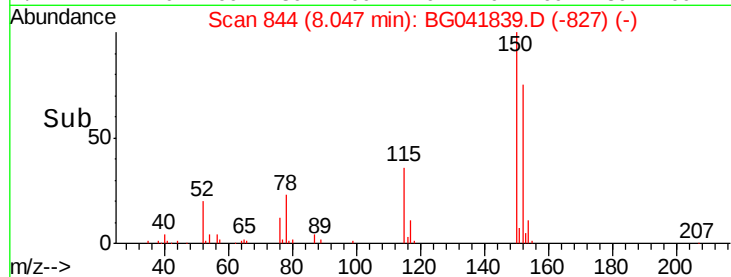
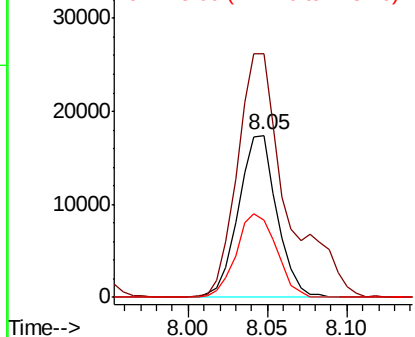


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

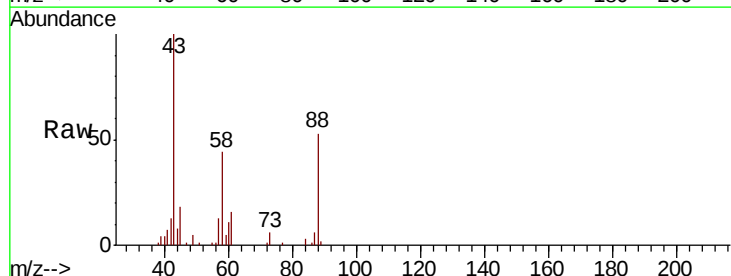
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 26.013 ng
RT: 3.46 min Scan# 64
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.4	76.2	114.2
43	133.9	27.2	40.8#

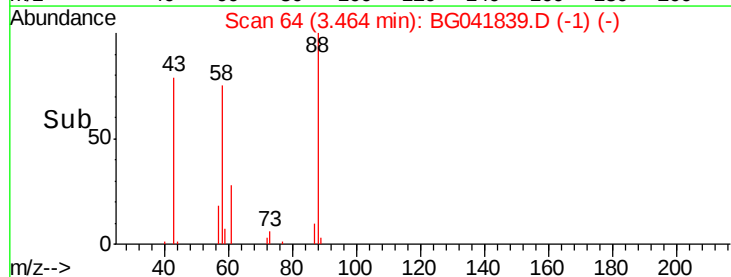
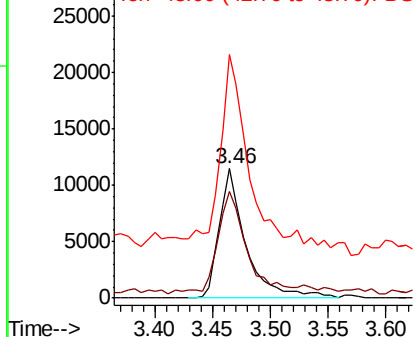


Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 38.102 ng

RT: 3.88 min Scan# 134

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

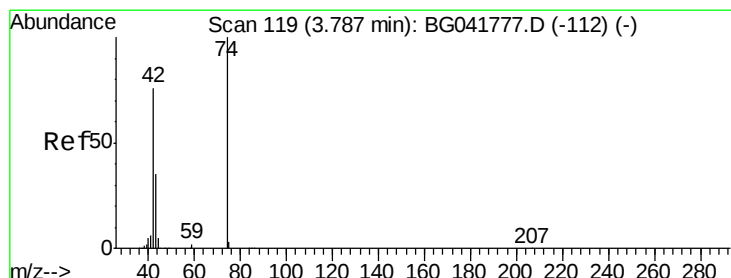
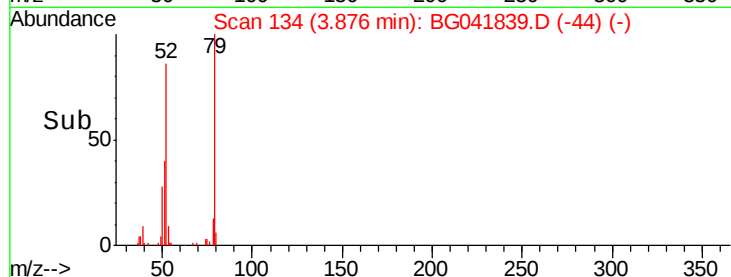
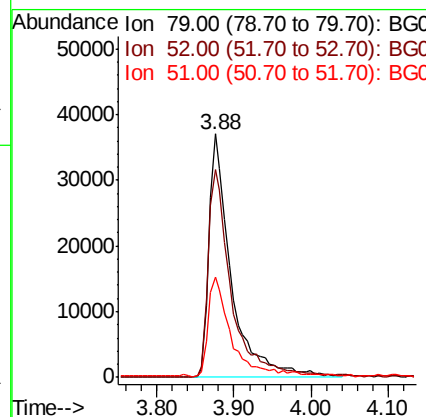
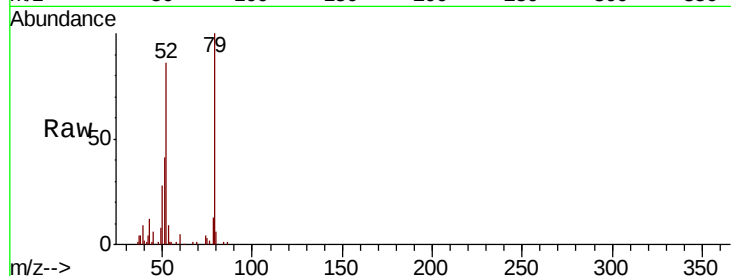
ClientSampleId :

OK-01-072919MSD

Tot Ion:	79	Resp:	74031
Ion Ratio	Lower	Upper	
79	100		
52	85.6	77.1	115.7
51	41.3	37.8	56.8

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#4

n-Nitrosodimethylamine

Concen: 43.381 ng

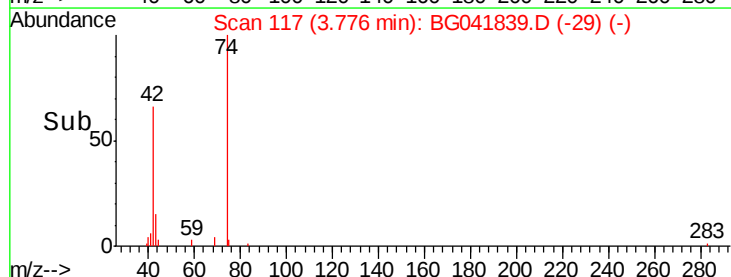
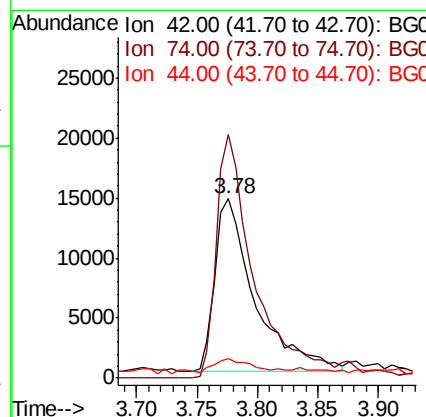
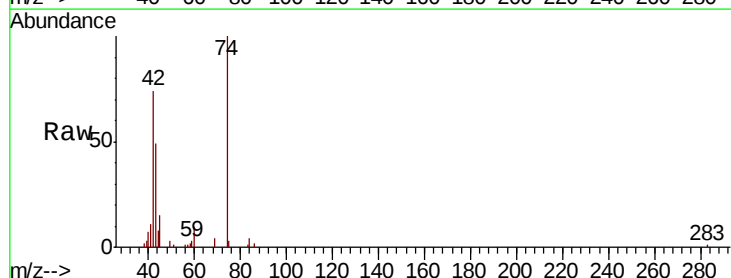
RT: 3.78 min Scan# 117

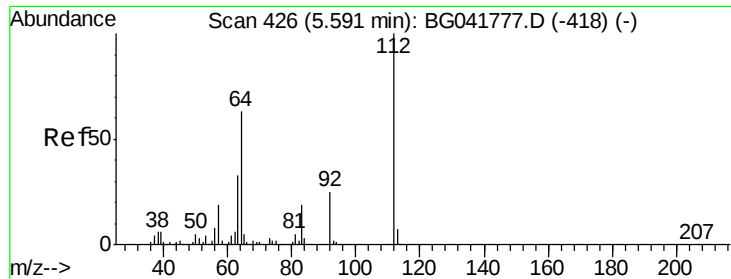
Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	42	Resp:	33414
Ion Ratio	Lower	Upper	
42	100		
74	135.9	97.4	146.2
44	11.2	6.6	9.8#





#5

2-Fluorophenol

Concen: 166.919 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

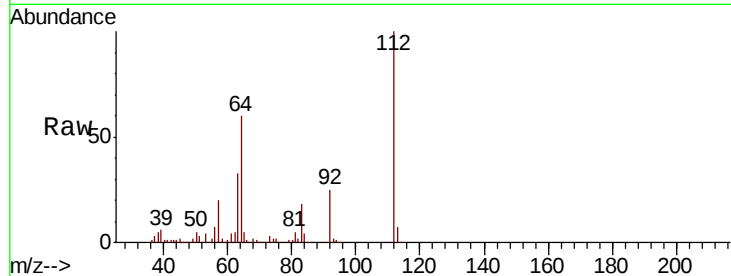
ClientSampleId :

OK-01-072919MSD

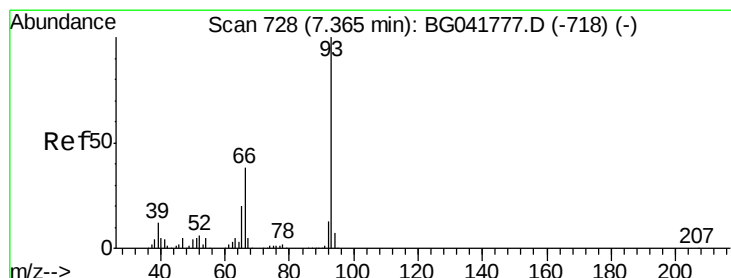
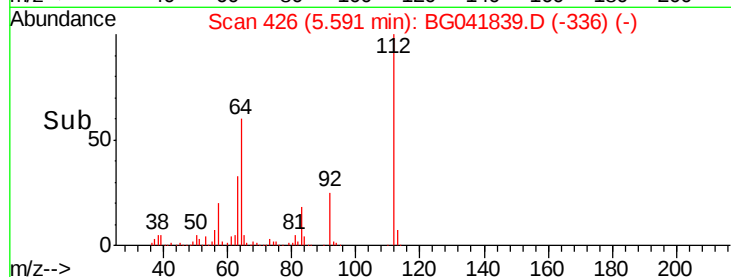
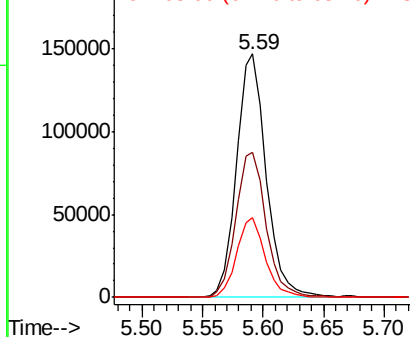
Tot Ion	Ratio	Resp	Lower	Upper
112	100	251277		
64	59.6		55.4	83.2
63	32.6		29.1	43.7

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



#6

Aniline

Concen: 32.840 ng

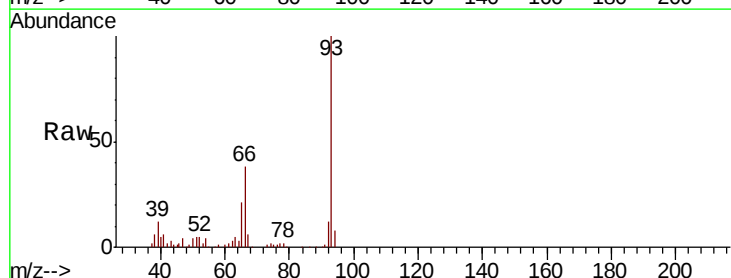
RT: 7.35 min Scan# 726

Delta R.T. -0.01 min

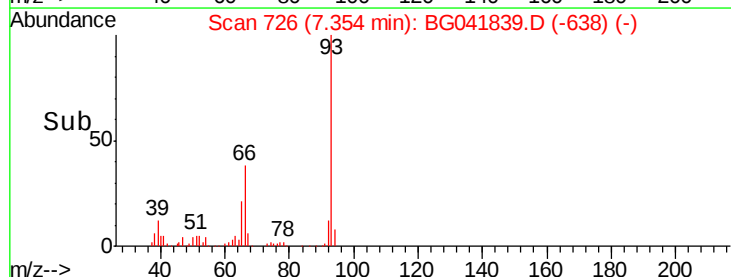
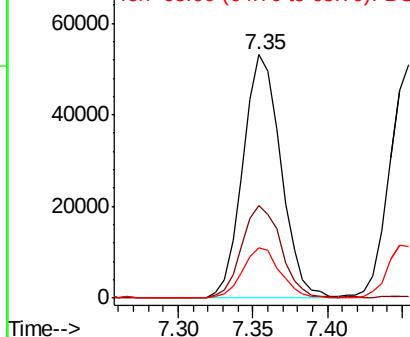
Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	93847		
66	38.3		34.2	51.2
65	20.7		18.2	27.2



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





#7

Phenol-d6

Concen: 186.180 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

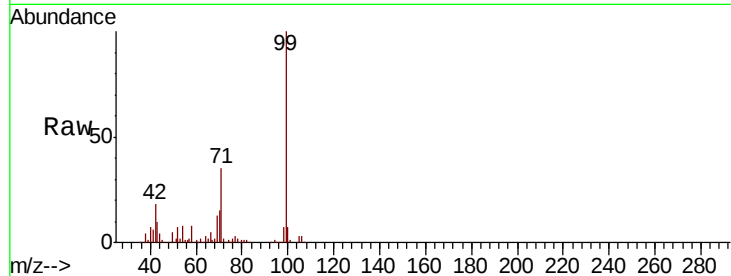
ClientSampleId :

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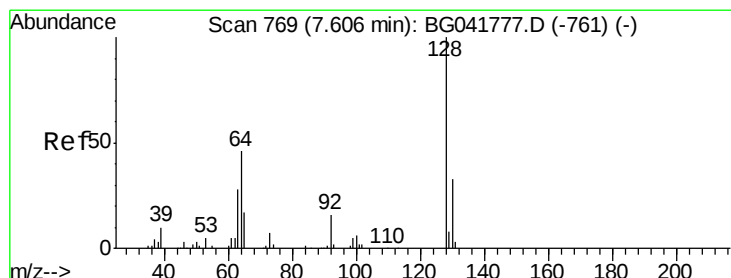
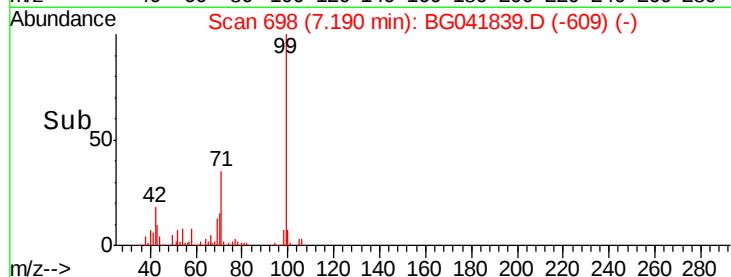
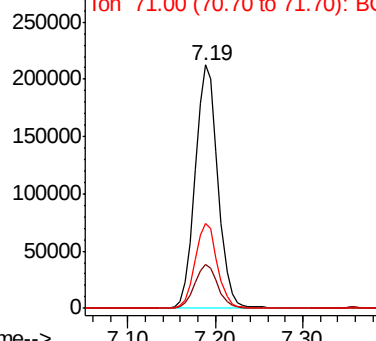
Tot Ion:	99	Resp:	377852
Ion	Ratio	Lower	Upper
99	100		
42	18.3	17.6	26.4
71	34.9	27.8	41.6

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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: 63.302 ng

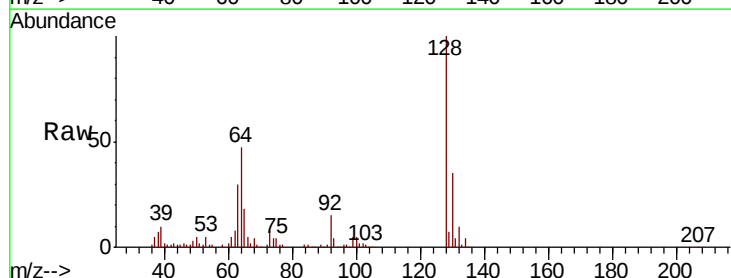
RT: 7.60 min Scan# 768

Delta R.T. -0.01 min

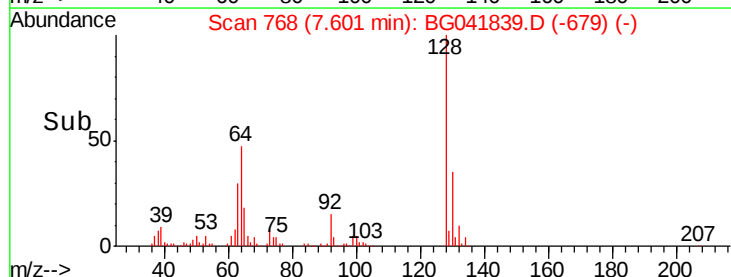
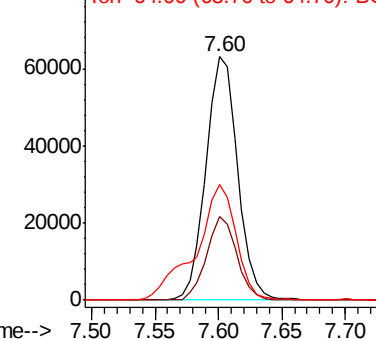
Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	128	Resp:	109120
Ion	Ratio	Lower	Upper
128	100		
130	34.6	12.4	52.4
64	47.4	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: 39.456 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

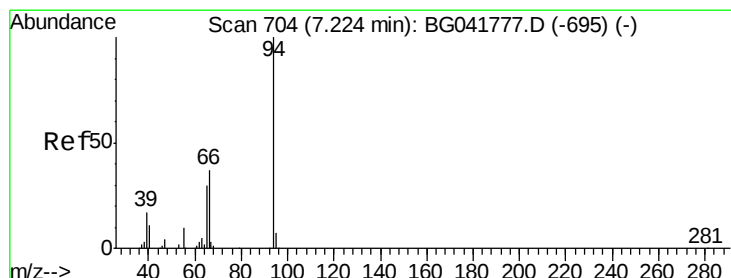
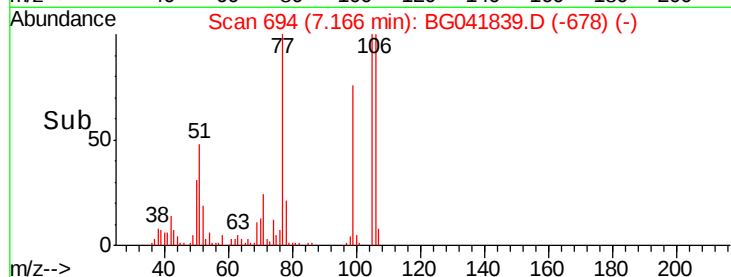
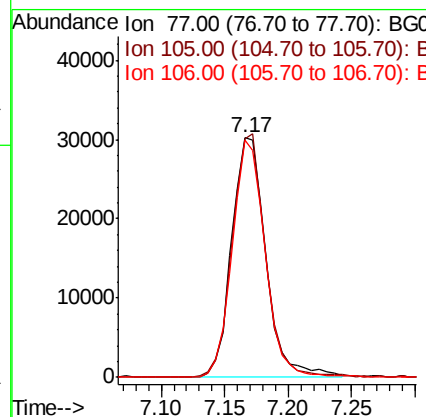
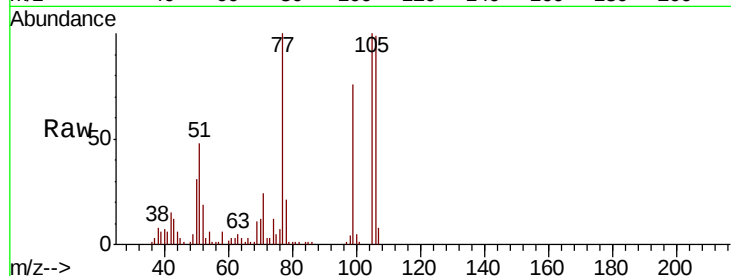
ClientSampleId :

OK-01-072919MSD

Tot Ion:	77	Resp:	56345
Ion	Ratio	Lower	Upper
77	100		
105	99.6	74.6	114.6
106	99.2	71.1	111.1

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#10

Phenol

Concen: 60.309 ng

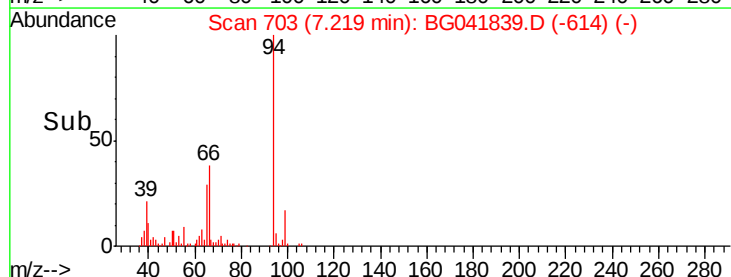
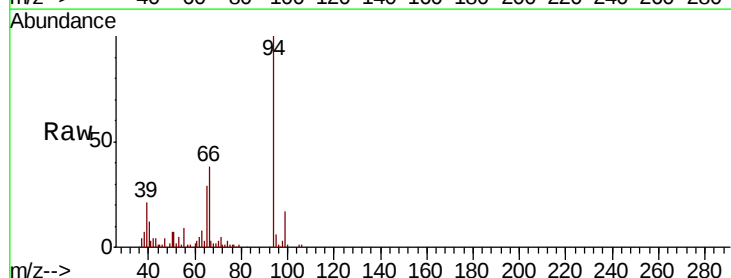
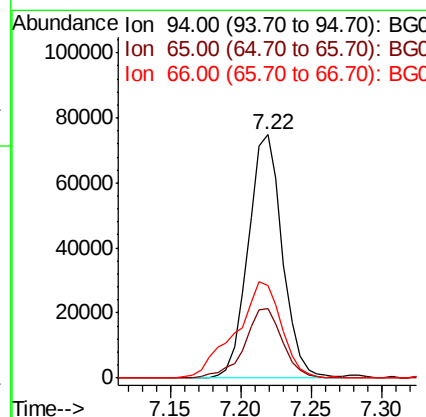
RT: 7.22 min Scan# 703

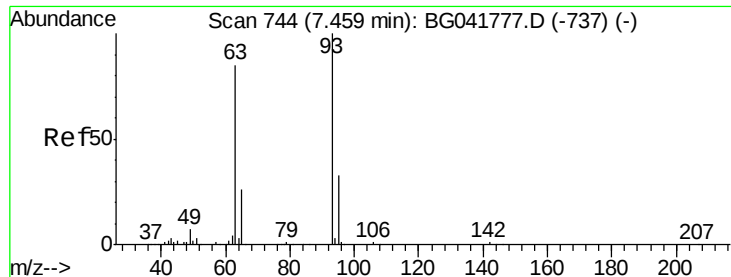
Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	94	Resp:	127336
Ion	Ratio	Lower	Upper
94	100		
65	28.7	10.6	50.6
66	38.1	18.2	58.2





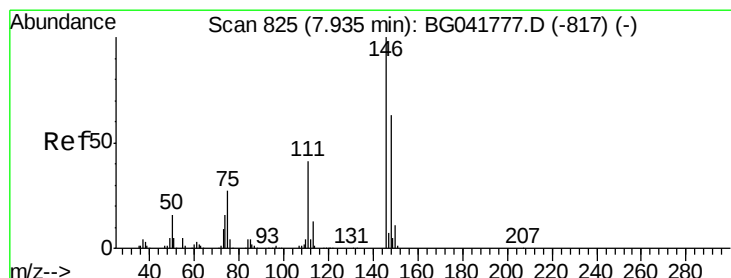
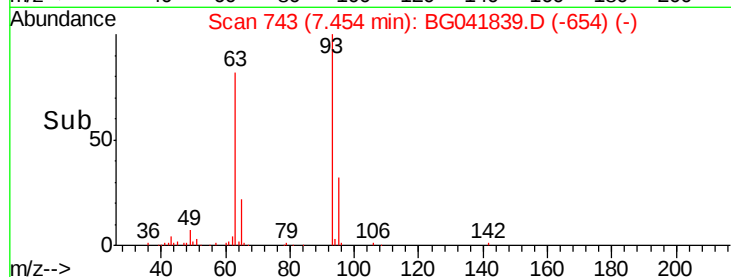
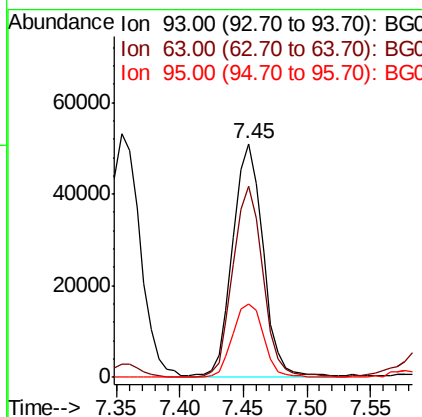
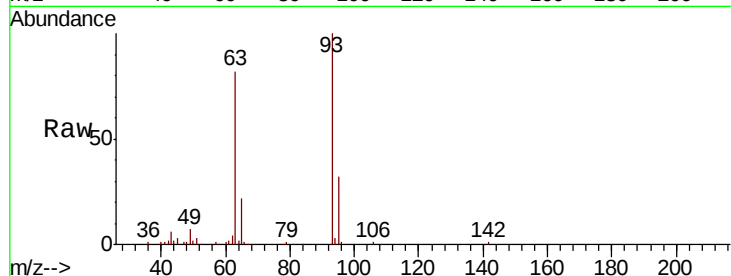
#11
bis(2-Chloroethyl)ether
Concen: 48.620 ng
RT: 7.45 min Scan# 743
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.0	70.4	110.4
95	31.6	12.8	52.8

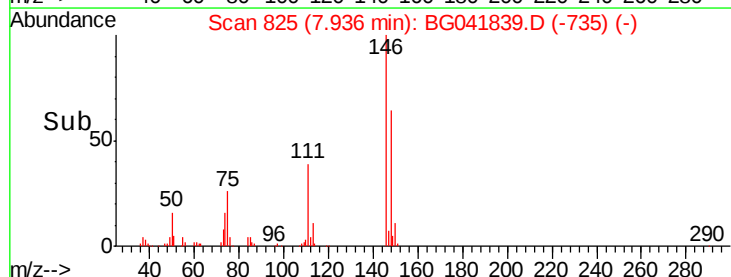
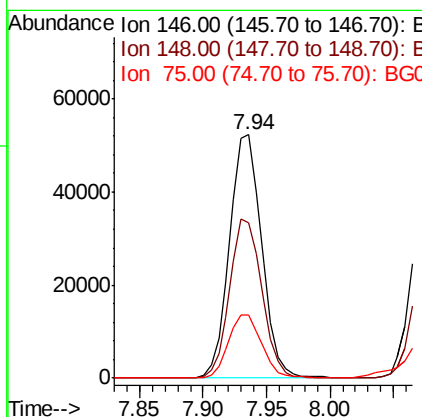
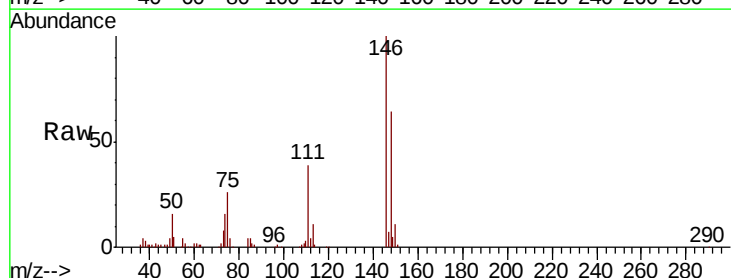
Manual Integrations
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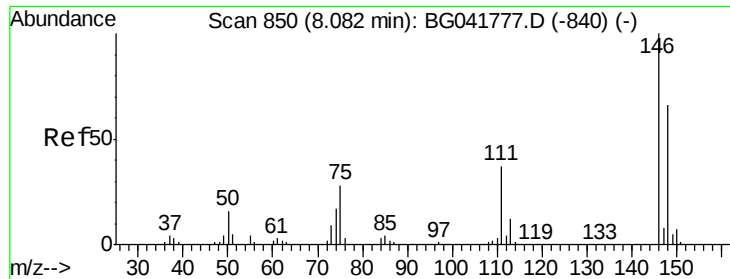
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.746 ng
RT: 7.94 min Scan# 825
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.5	77.3
75	25.8	23.2	34.8





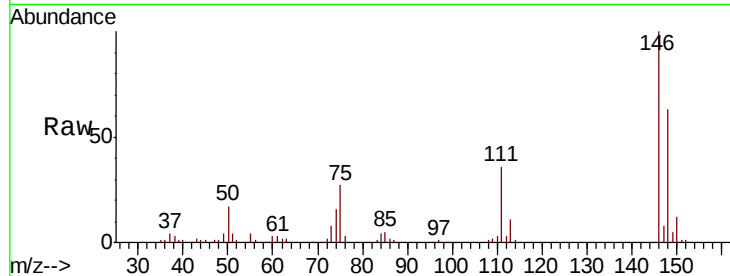
#13
1,4-Dichlorobenzene
Concen: 43.319 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.6	79.0
111	35.8	32.5	48.7

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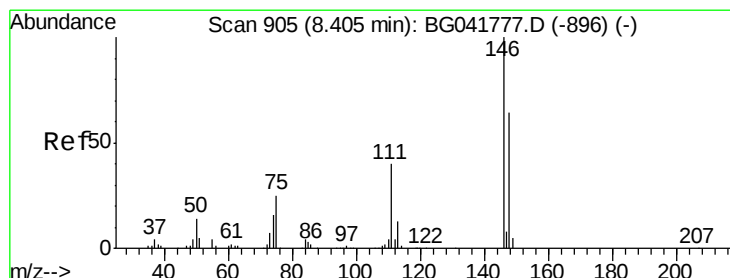
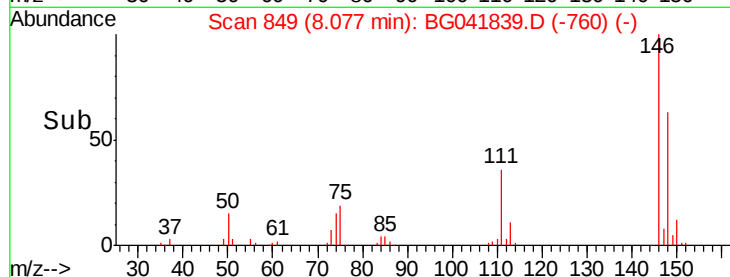
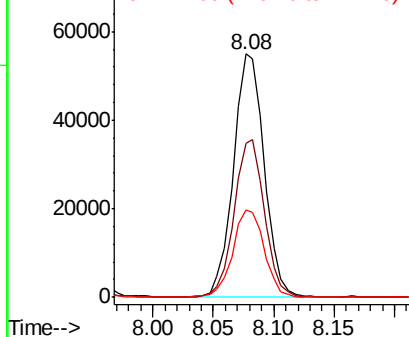


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
1,2-Dichlorobenzene
Concen: 46.083 ng
RT: 8.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

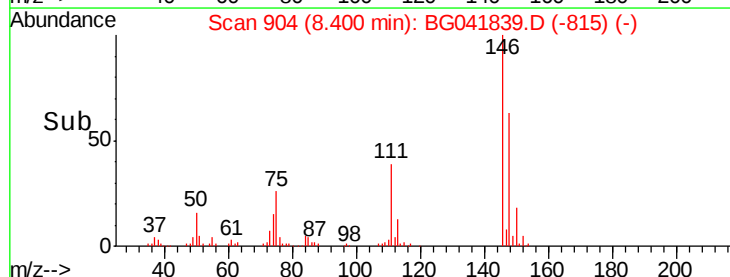
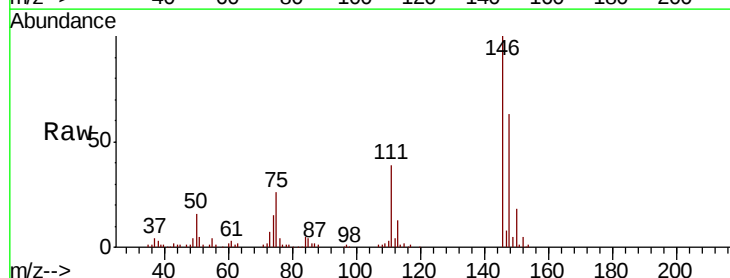
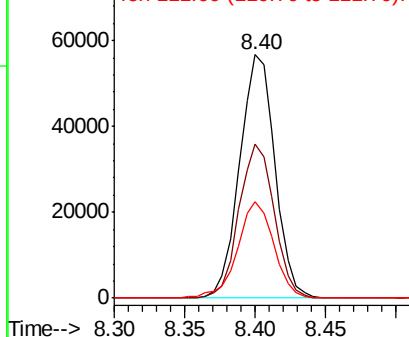
Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	53.5	80.3
111	39.4	35.4	53.0

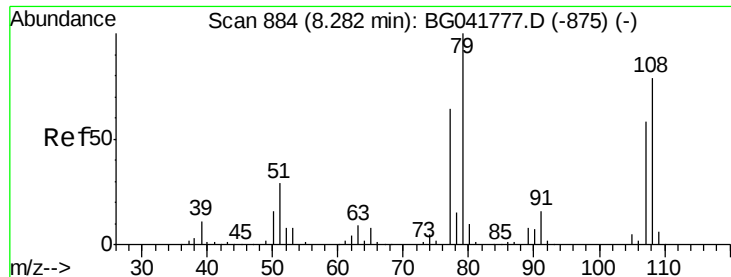
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 70.366 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

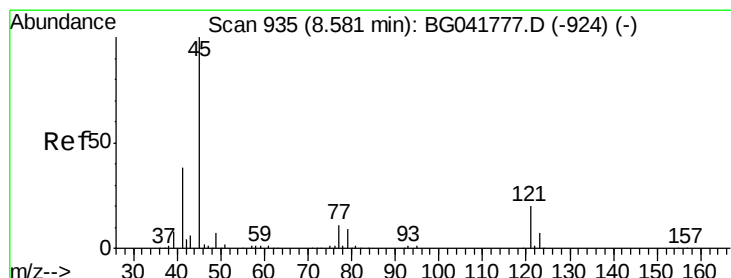
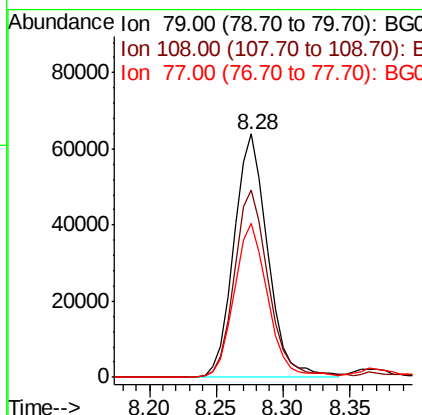
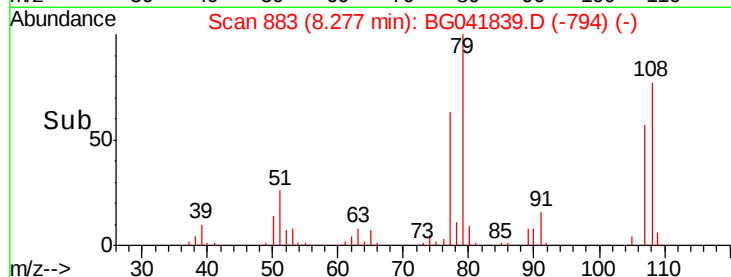
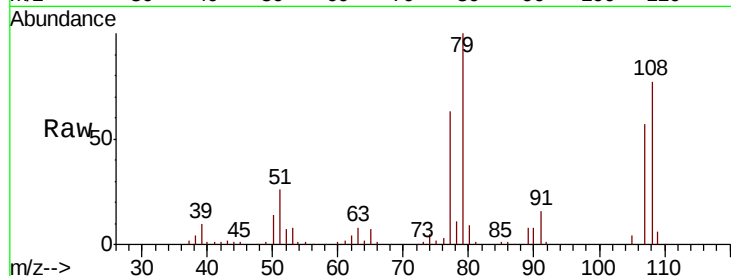
ClientSampleId :

OK-01-072919MSD

Tot Ion:	79	Resp:	112350
Ion Ratio	Lower	Upper	
79	100		
108	76.8	60.5	90.7
77	63.1	50.6	75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.970 ng

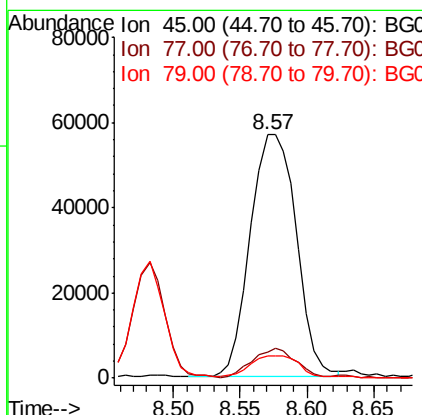
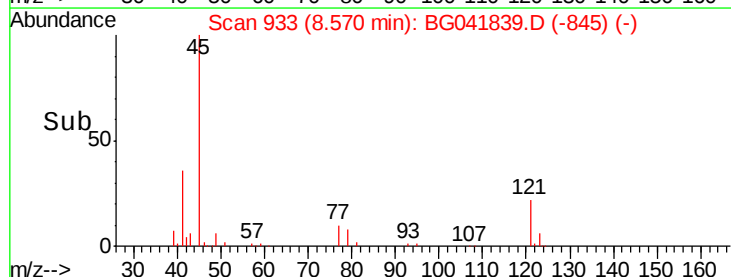
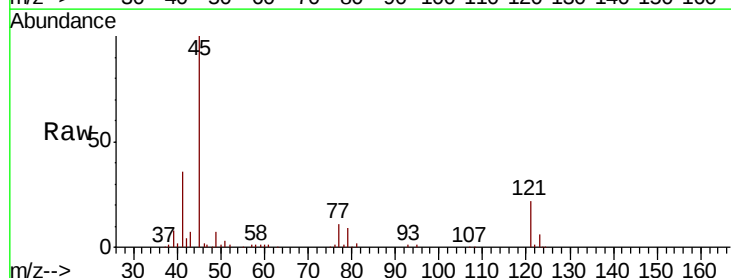
RT: 8.57 min Scan# 933

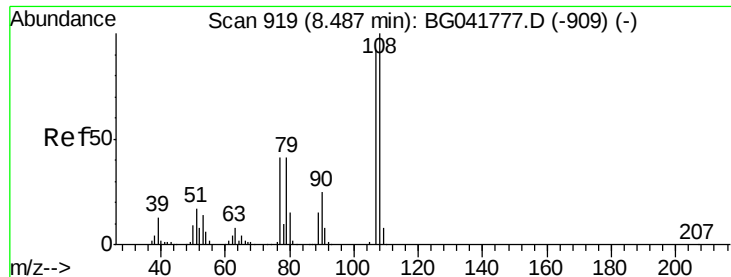
Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	45	Resp:	135785
Ion Ratio	Lower	Upper	
45	100		
77	10.7	0.0	30.4
79	8.9	0.0	27.9





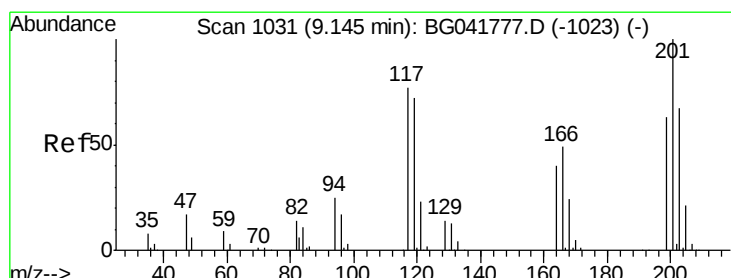
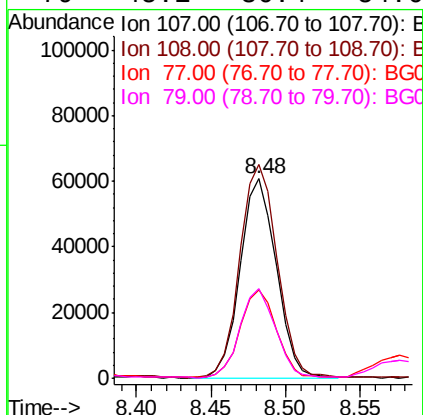
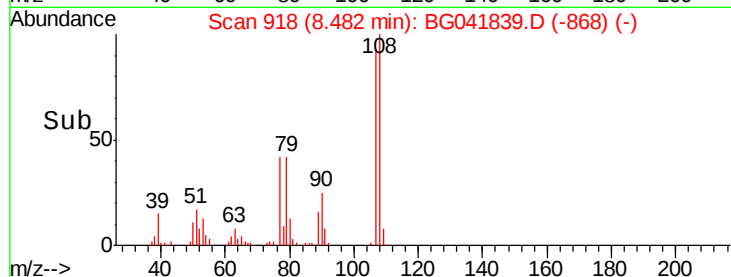
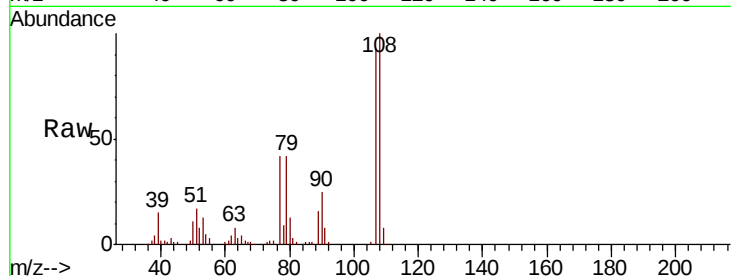
#17
2-Methylphenol
Concen: 66.895 ng
RT: 8.48 min Scan# 918
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	107.1	87.6	131.4	
77	44.5	36.1	54.1	
79	45.1	36.4	54.6	

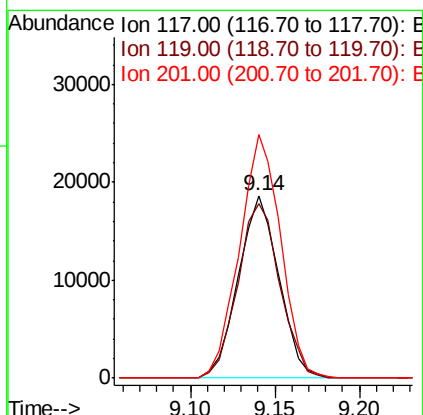
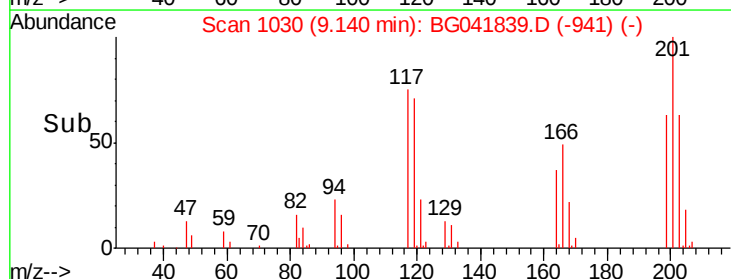
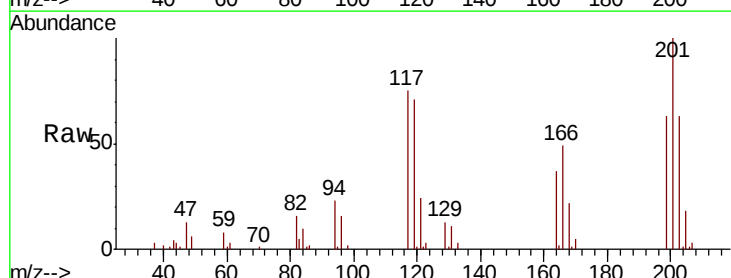
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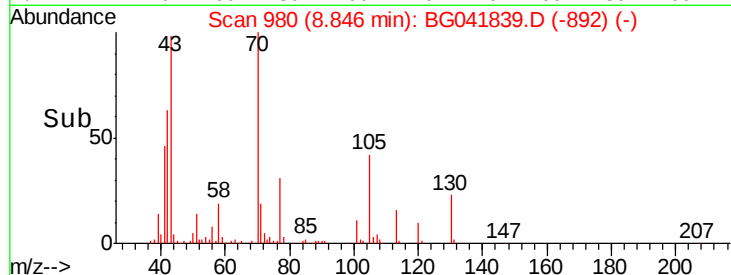
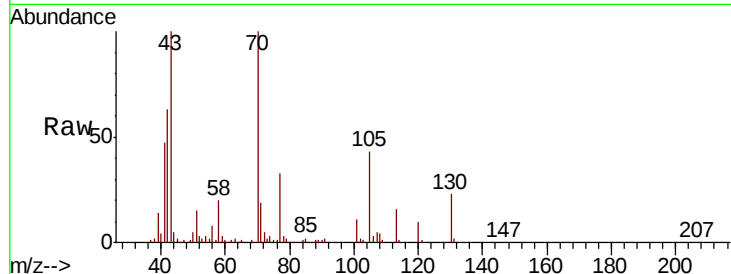
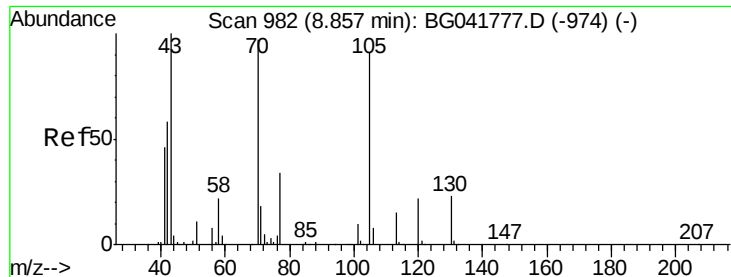
mohammad
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#18
Hexachloroethane
Concen: 40.324 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.2	76.2	114.2	
201	133.2	94.1	141.1	





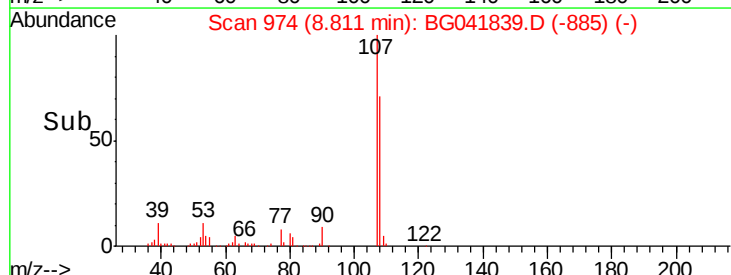
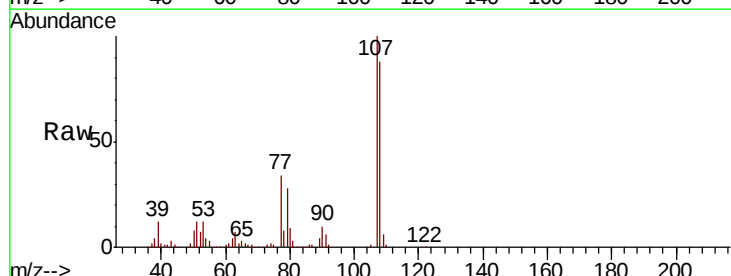
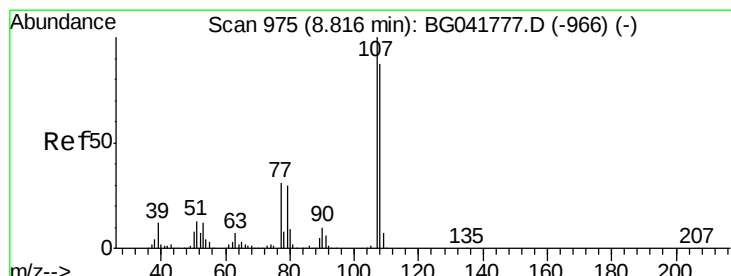
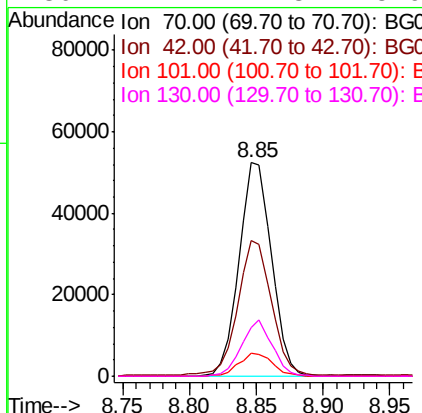
#19
n-Nitroso-di-n-propylamine
Concen: 60.103 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.4	55.8	83.6
101	11.1	8.1	12.1
130	22.7	17.3	25.9

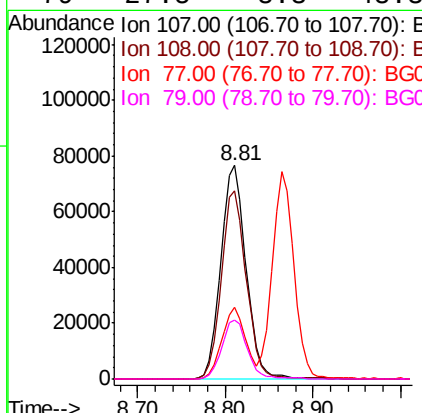
Manual Integrations
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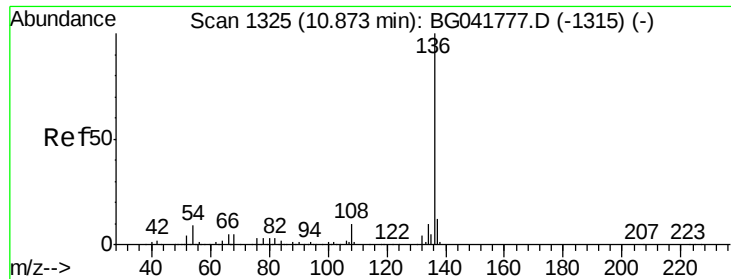
mohammad
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#20
3+4-Methylphenols
Concen: 71.889 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	67.5	107.5
77	33.7	12.3	52.3
79	27.5	8.3	48.3





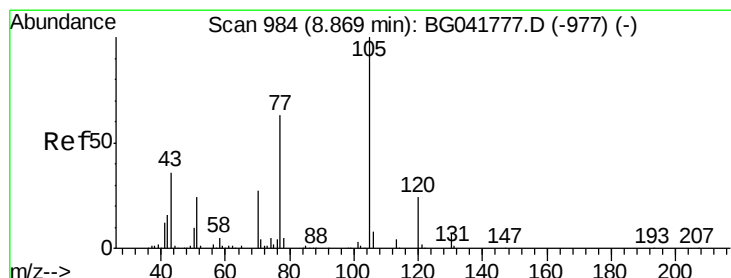
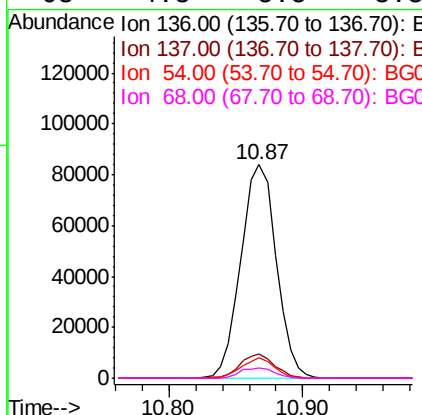
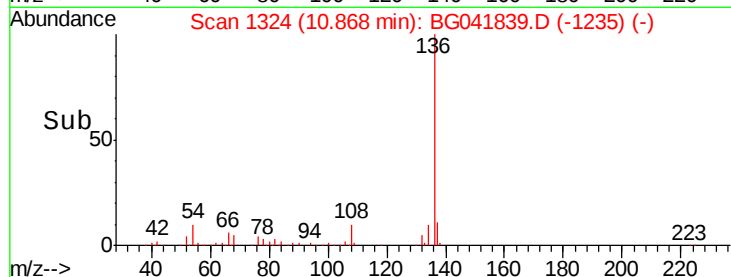
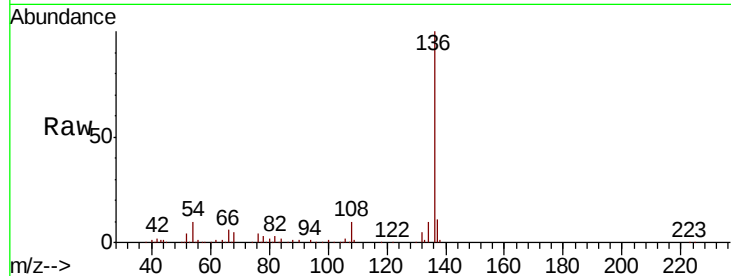
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	154056		
137	11.5	9.2	13.8	
54	9.8	8.7	13.1	
68	4.8	5.5	8.3#	

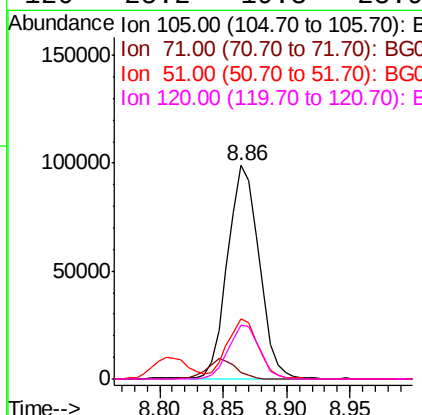
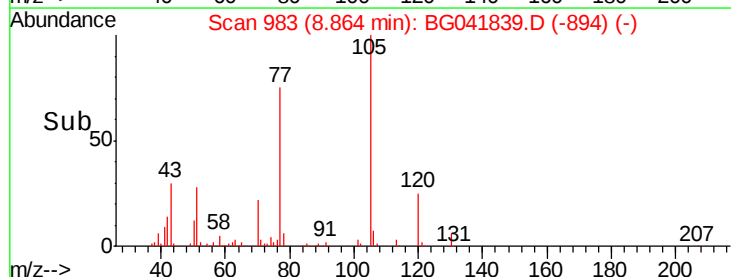
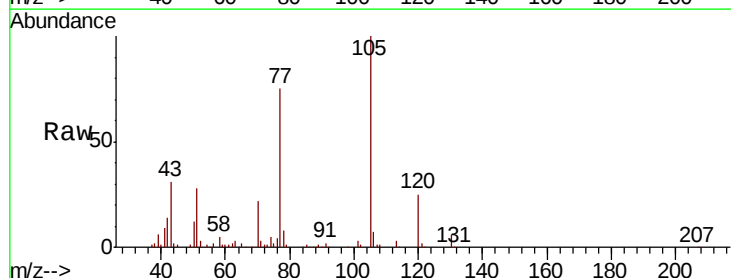
Manual Integrations
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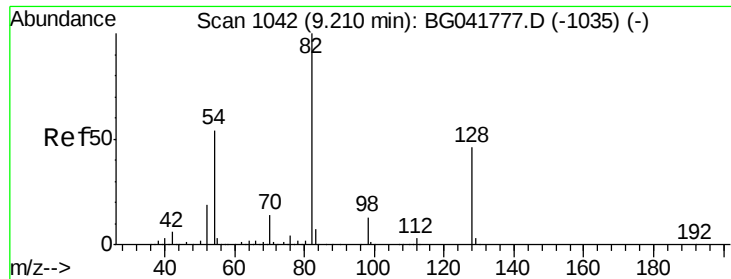
mohammad
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#22
Acetophenone
Concen: 49.211 ng
RT: 8.86 min Scan# 983
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	169575		
71	3.2	5.9	8.9#	
51	28.4	27.7	41.5	
120	25.2	19.3	28.9	





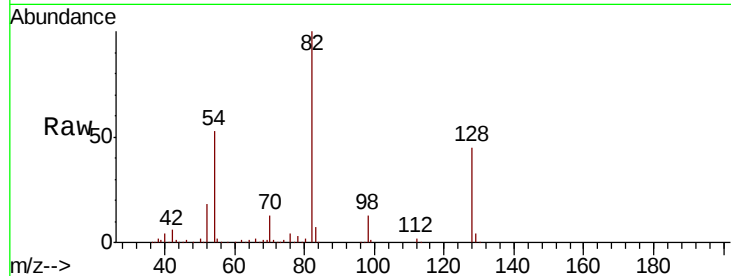
#23
 Nitrobenzene-d5
 Concen: 111.296 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

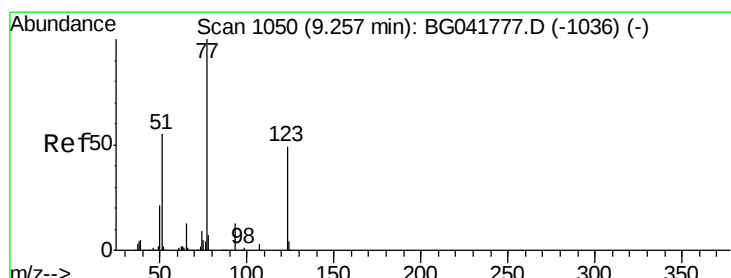
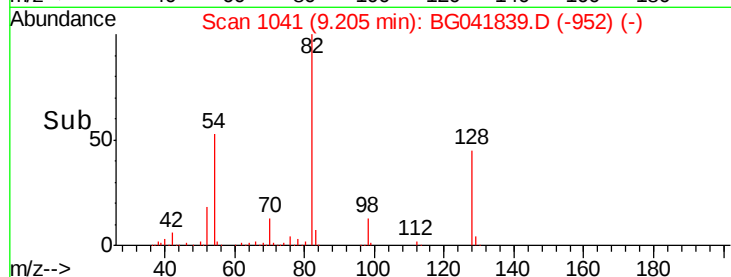
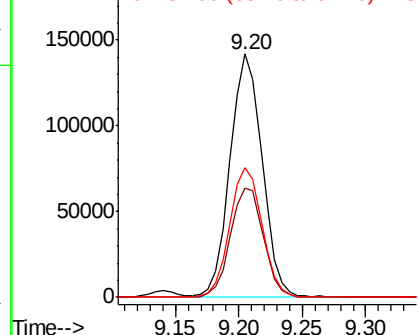
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	53.1	48.7	73.1

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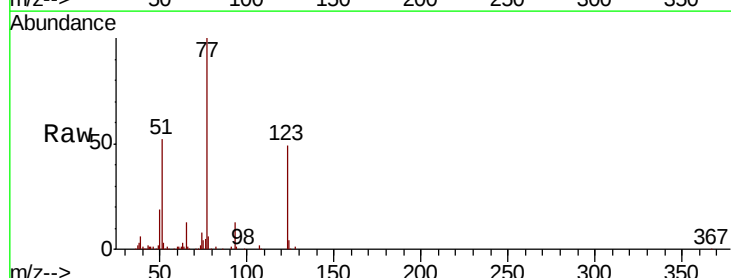


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

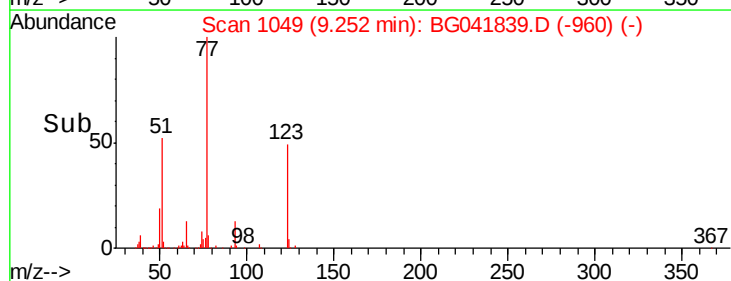
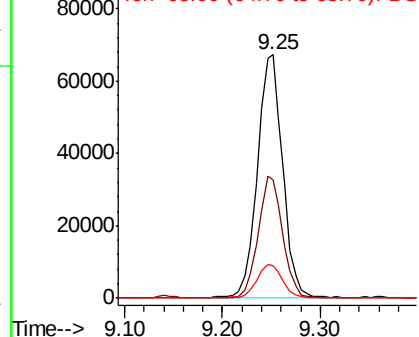


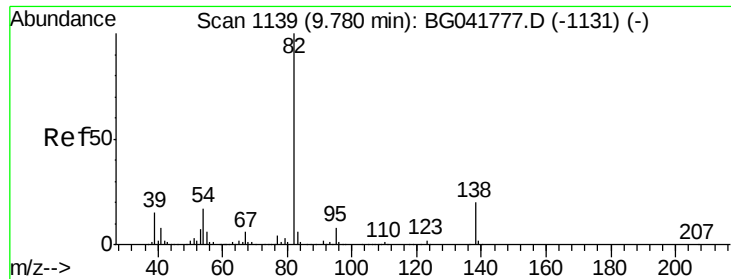
#24
 Nitrobenzene
 Concen: 52.126 ng
 RT: 9.25 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.6	38.1	57.1
65	13.3	11.0	16.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
 Ion 123.00 (122.70 to 123.70): BGC
 Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 57.019 ng

RT: 9.77 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

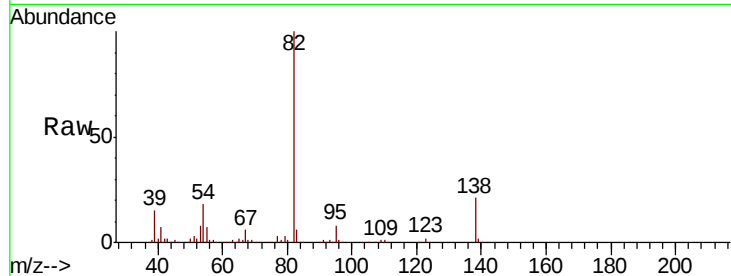
ClientSampleId :

OK-01-072919MSD

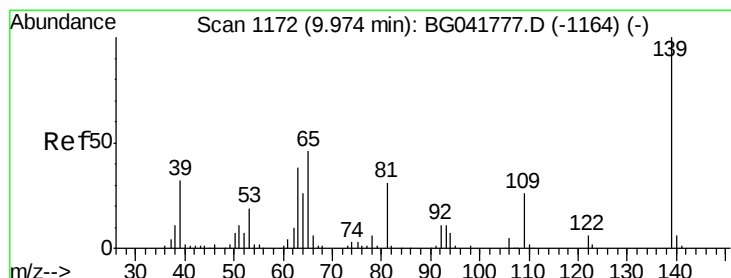
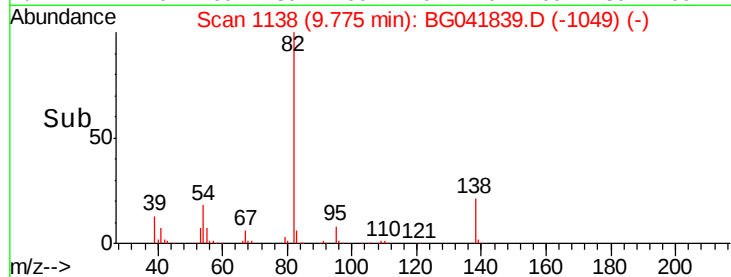
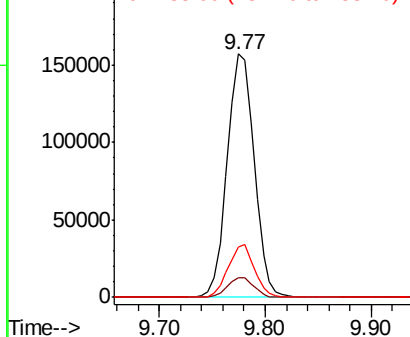
Tot Ion:	82	Resp:	277676
Ion Ratio	Lower	Upper	
82	100		
95	7.9	5.9	8.9
138	20.6	16.3	24.5

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Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 63.584 ng

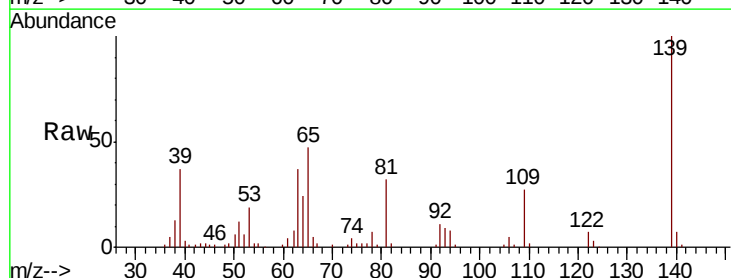
RT: 9.97 min Scan# 1171

Delta R.T. -0.01 min

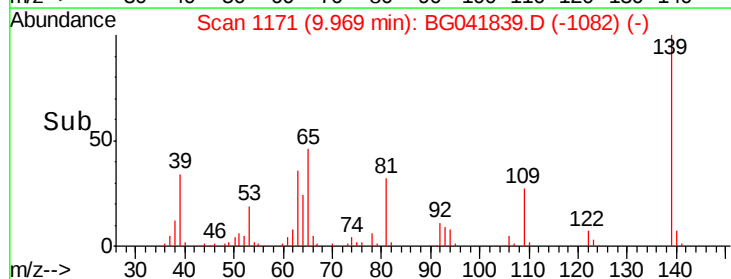
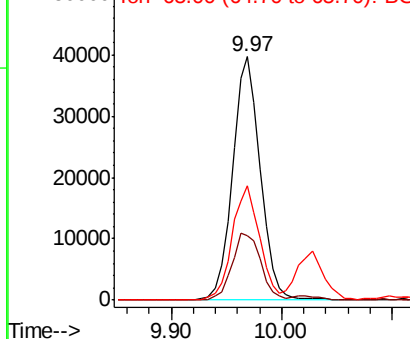
Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	139	Resp:	69598
Ion Ratio	Lower	Upper	
139	100		
109	26.5	22.7	34.1
65	47.1	41.1	61.7



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





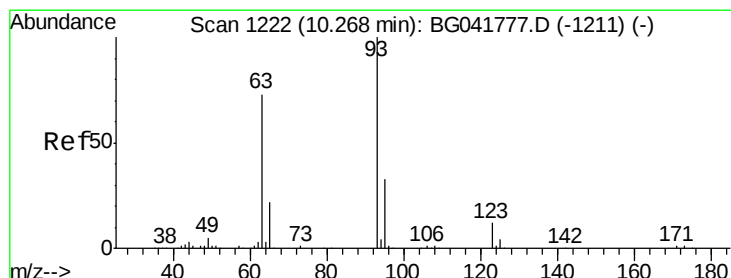
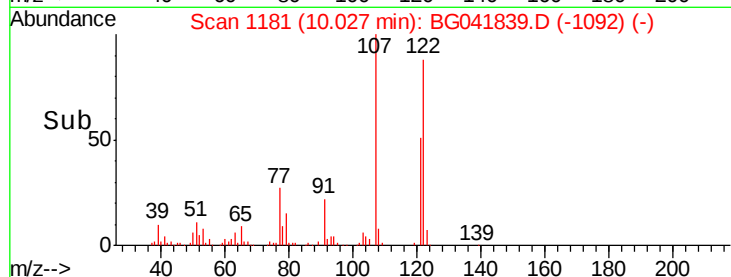
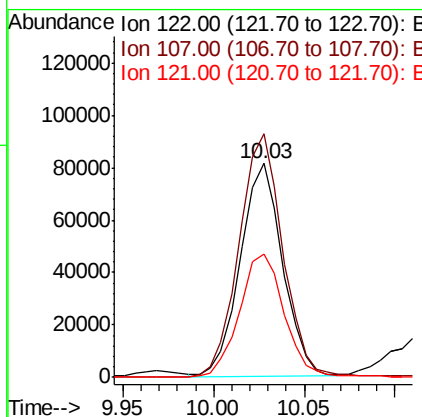
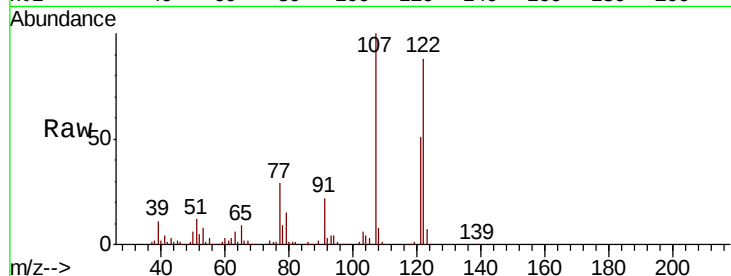
#27
2,4-Dimethylphenol
Concen: 68.136 ng
RT: 10.03 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.3	136.9
121	57.6	49.2	73.8

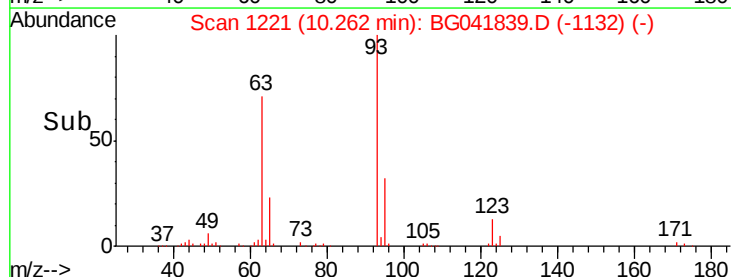
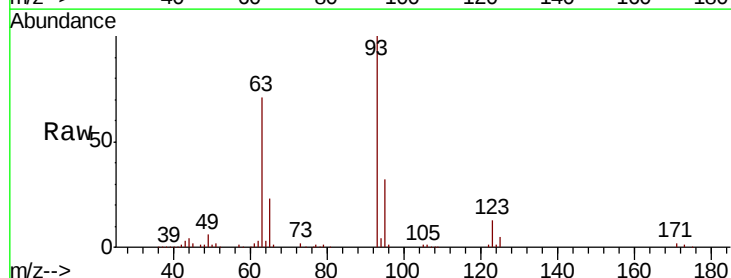
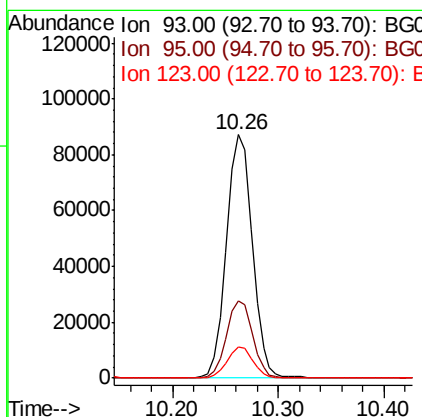
Manual Integrations
APPROVED

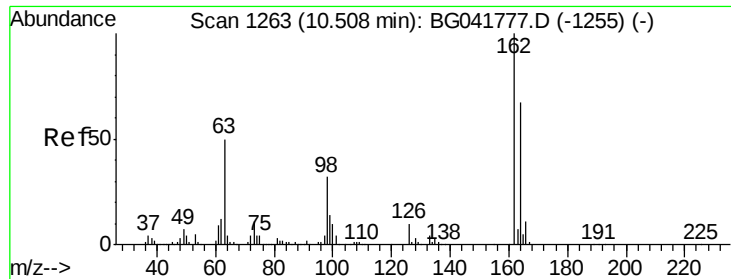
mohammad
8/1/2019 5:10:16 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.755 ng
RT: 10.26 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	31.6	26.2	39.4
123	13.0	9.9	14.9





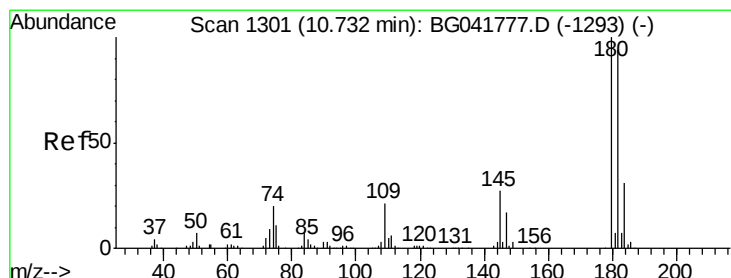
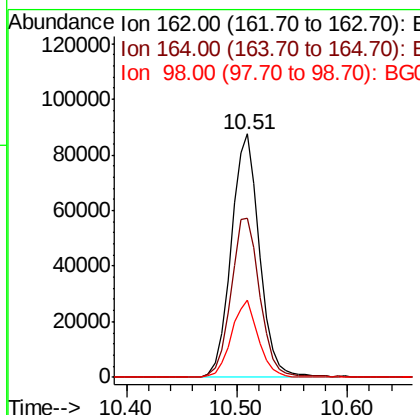
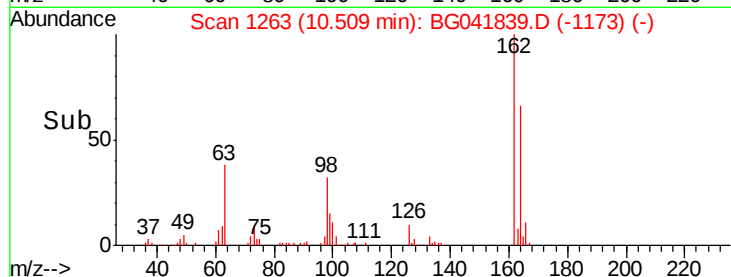
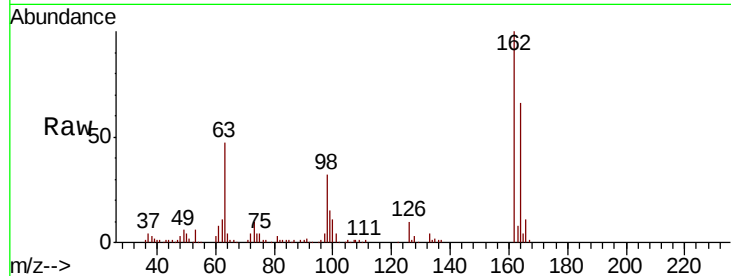
#29
2,4-Dichlorophenol
Concen: 66.703 ng
RT: 10.51 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.6	46.1	86.1
98	31.8	14.7	54.7

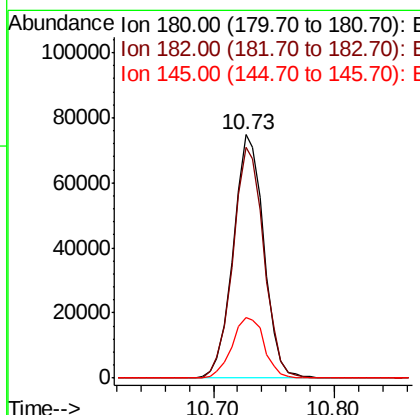
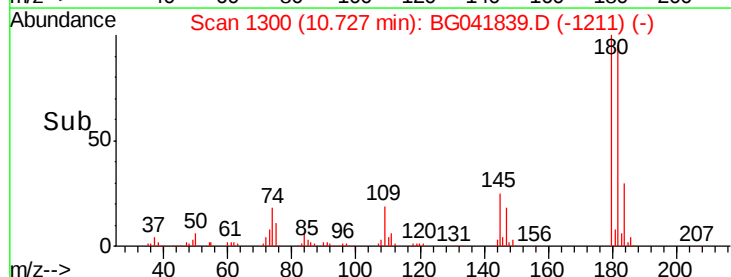
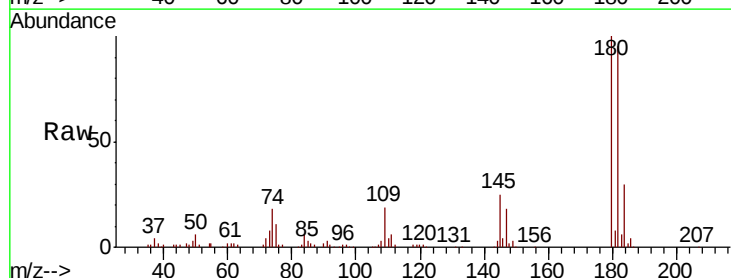
Manual Integrations
APPROVED

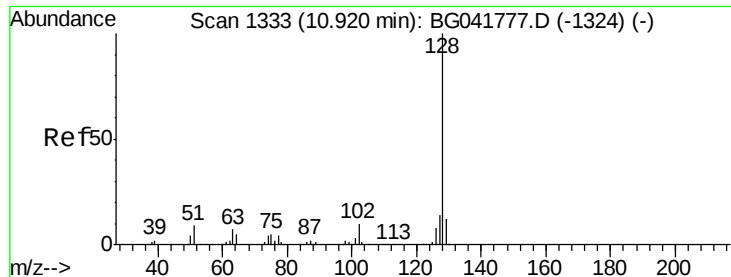
mohammad
8/1/2019 5:10:16 PM



#30
1,2,4-Trichlorobenzene
Concen: 44.239 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.2
145	25.1	23.8	35.8





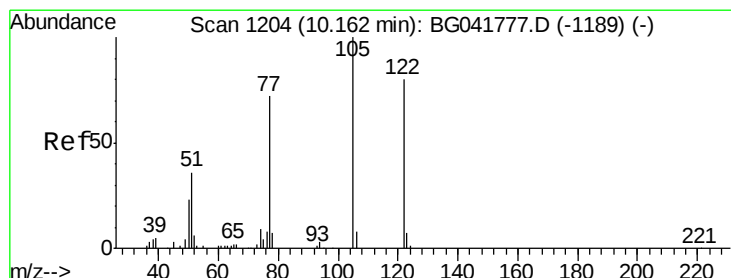
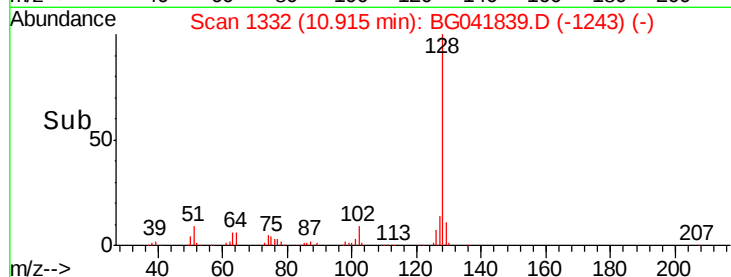
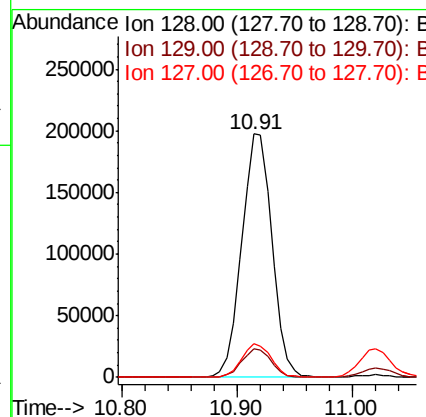
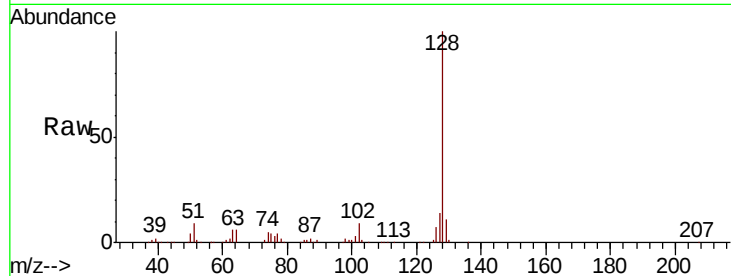
#31
Naphthalene
Concen: 50.825 ng
RT: 10.91 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	10.0	15.0
127	14.1	12.3	18.5

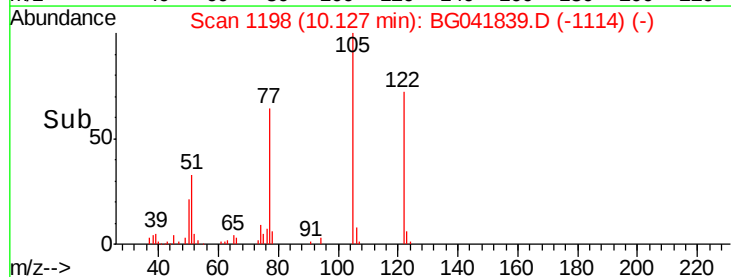
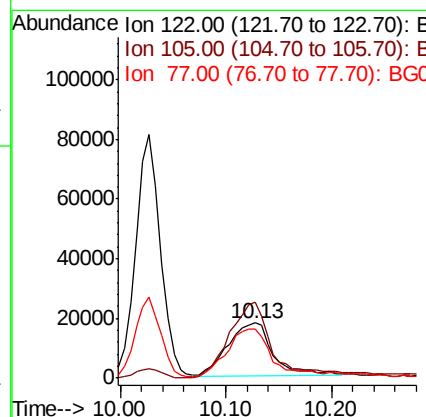
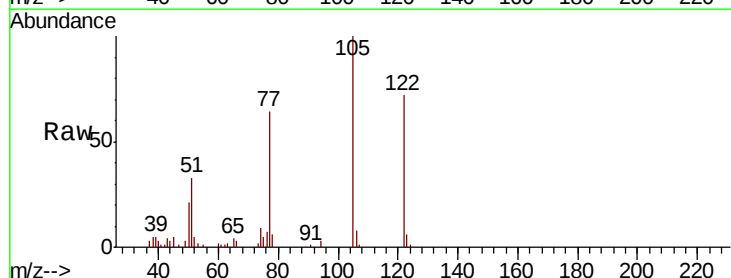
Manual Integrations
APPROVED

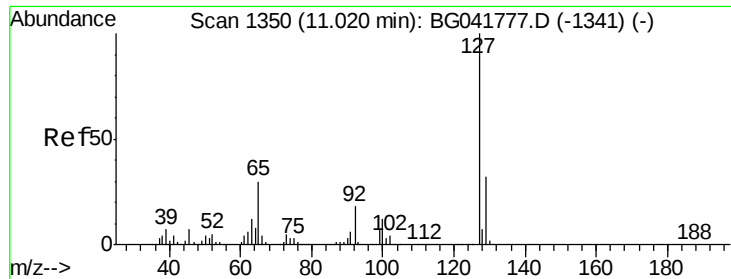
mohammad
8/1/2019 5:10:16 PM



#32
Benzoic acid
Concen: 39.778 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.03 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
122	100		
105	138.4	101.5	141.5
77	88.7	73.0	113.0





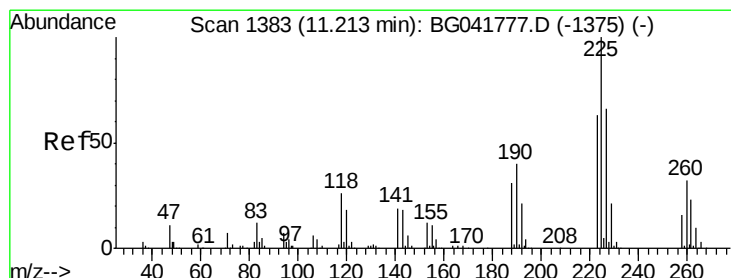
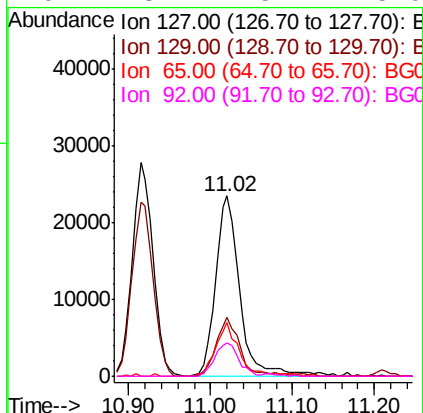
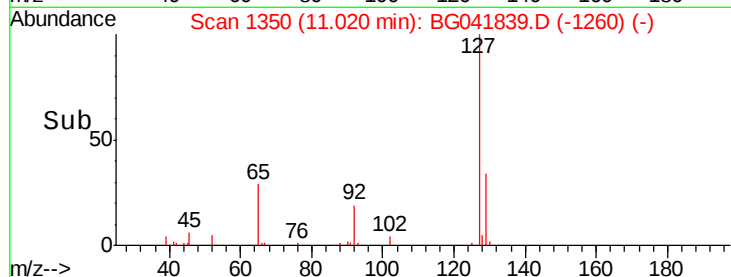
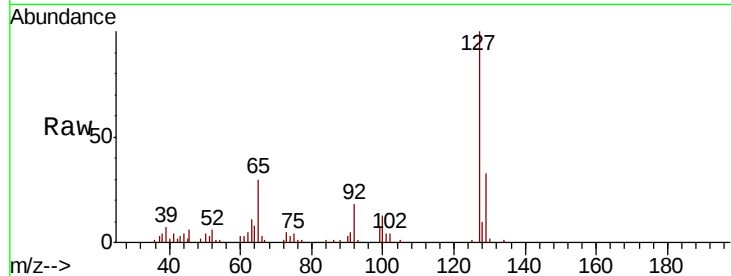
#33
4-Chloroaniline
Concen: 14.452 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.0	25.8	38.8
65	29.7	26.7	40.1
92	18.2	15.4	23.0

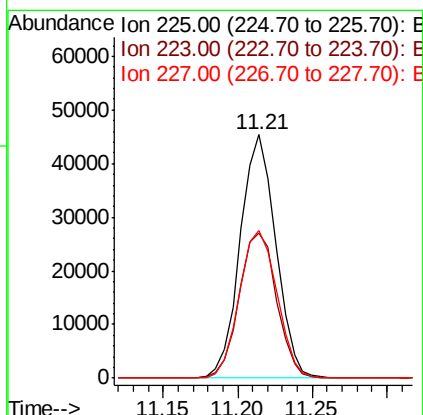
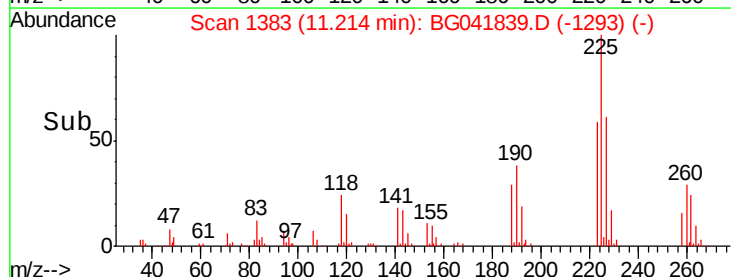
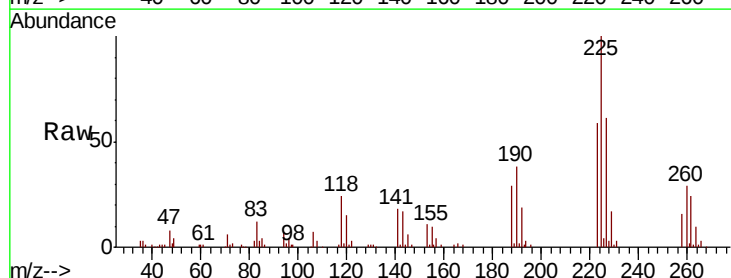
Manual Integrations
APPROVED

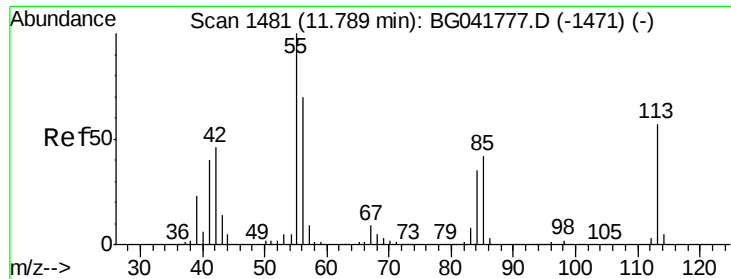
mohammad
8/1/2019 5:10:16 PM



#34
Hexachlorobutadiene
Concen: 37.208 ng
RT: 11.21 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	51.1	76.7
227	60.9	50.9	76.3





#35

Caprolactam

Concen: 105.024 ng/mL

RT: 11.83 min Scan# 1488

Delta R.T. 0.04 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:113 Resp: 85866

Ion Ratio Lower Upper

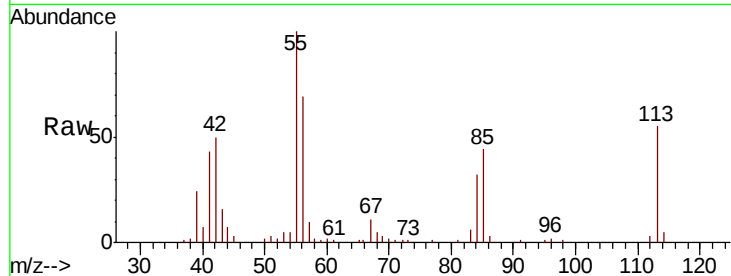
113 100

55 182.5 199.4 239.4#

56 126.3 133.6 173.6#

Manual Integrations
APPROVED

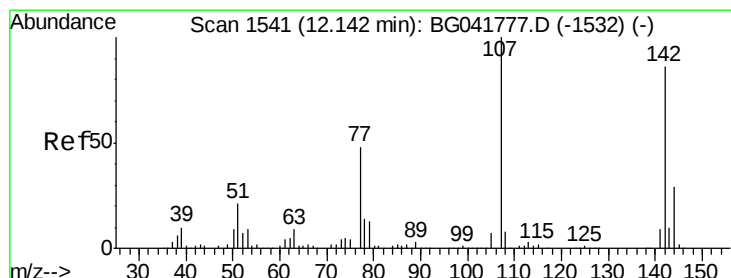
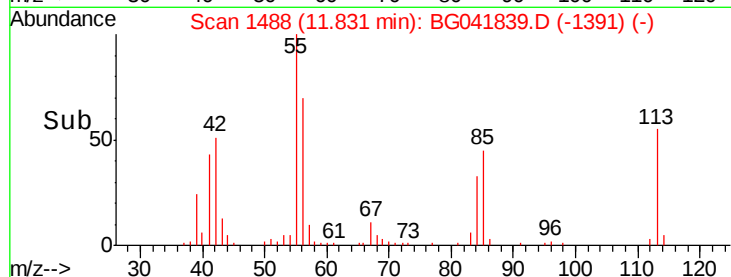
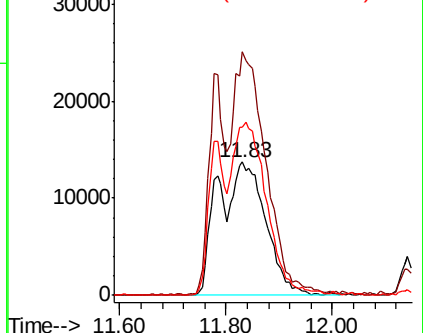
mohammad
8/1/2019 5:10:16 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG041777.D (-1471) (-)

Ion 56.00 (55.70 to 56.70): BG041777.D (-1471) (-)



#36

4-Chloro-3-methylphenol

Concen: 86.997 ng/mL

RT: 12.14 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

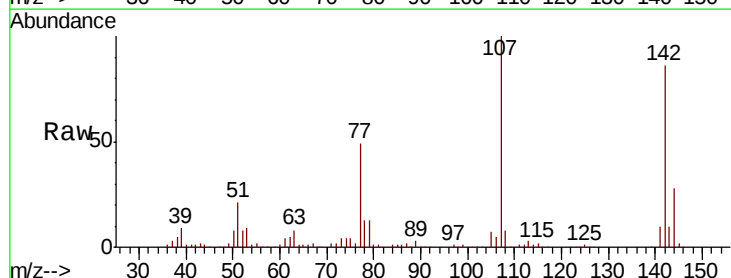
Tgt Ion:107 Resp: 202909

Ion Ratio Lower Upper

107 100

144 28.2 22.2 33.2

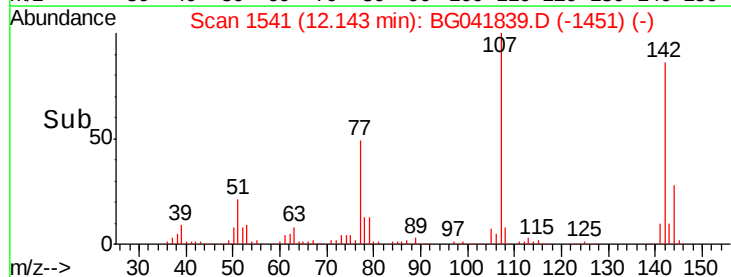
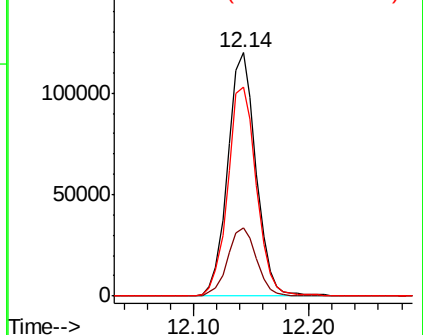
142 86.0 67.3 100.9

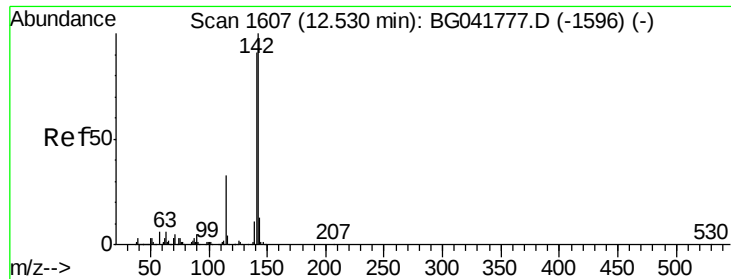


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





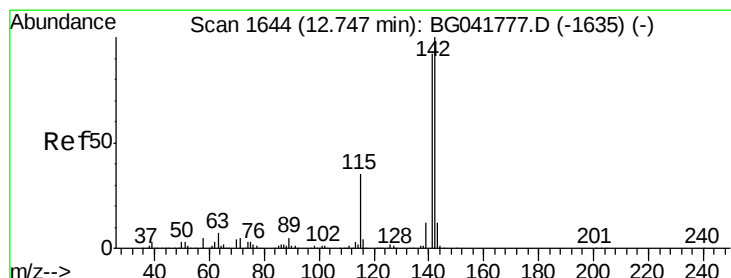
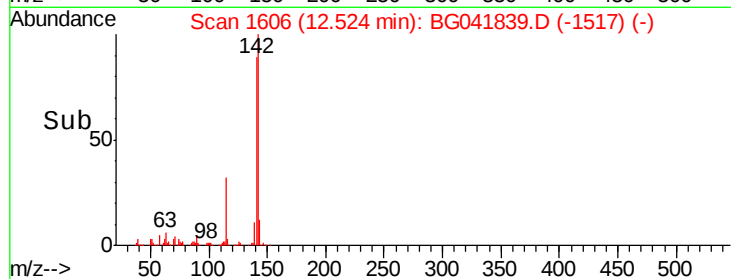
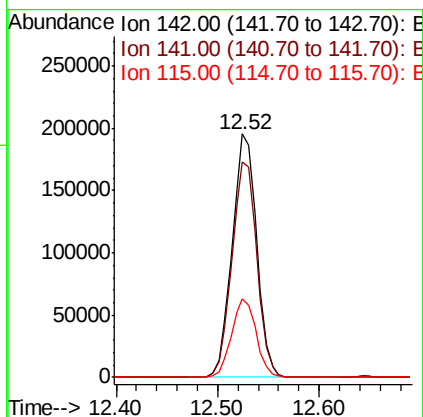
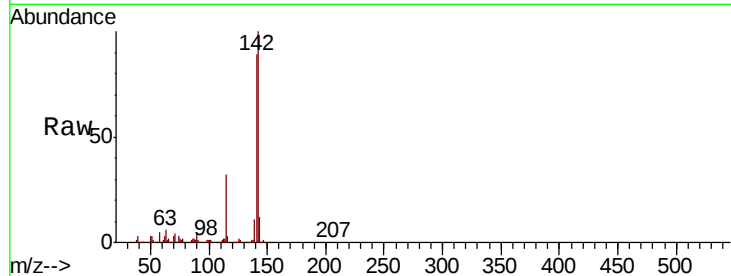
#37
2-Methylnaphthalene
Concen: 58.666 ng
RT: 12.52 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.7	109.1
115	32.4	27.0	40.4

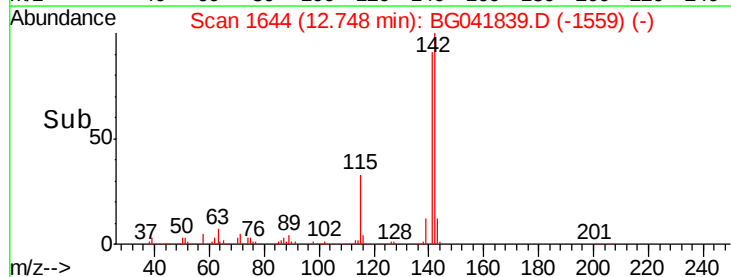
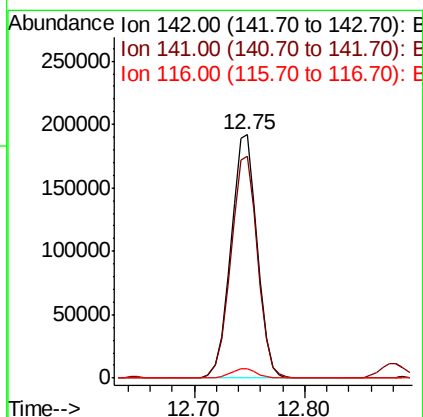
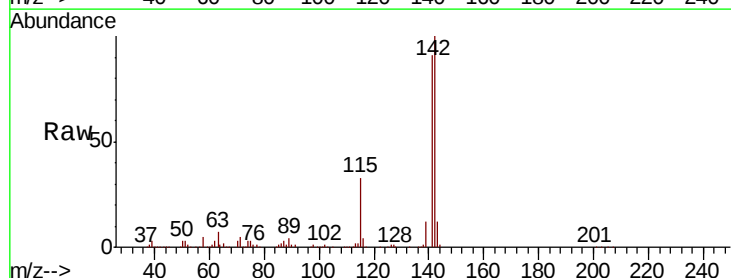
Manual Integrations
APPROVED

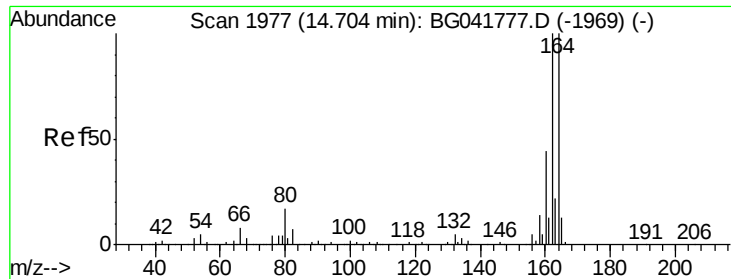
mohammad
8/1/2019 5:10:16 PM



#38
1-Methylnaphthalene
Concen: 60.440 ng
RT: 12.75 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	75.4	113.2
116	3.7	3.2	4.8





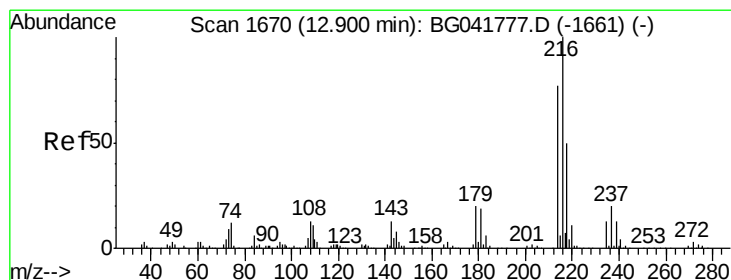
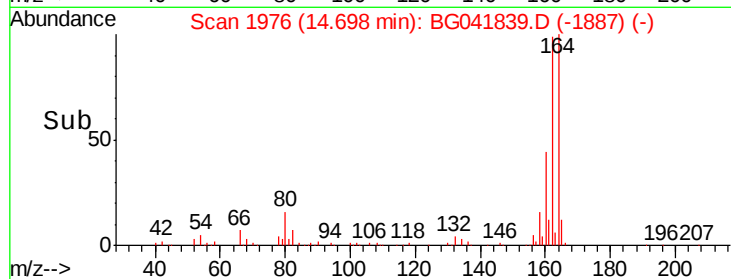
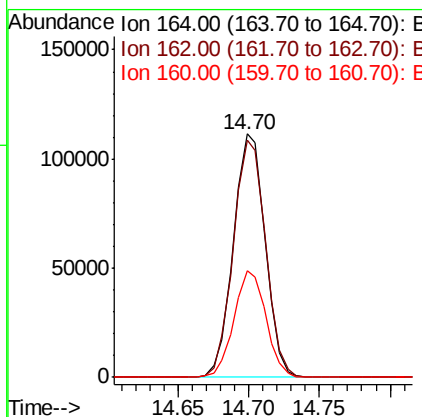
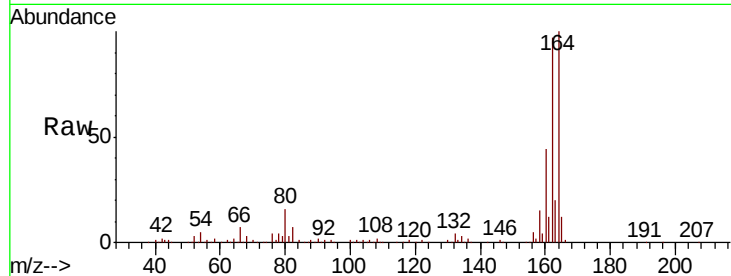
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.6	119.4
160	43.7	35.4	53.0

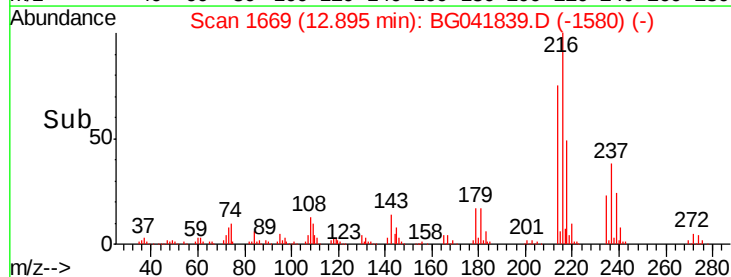
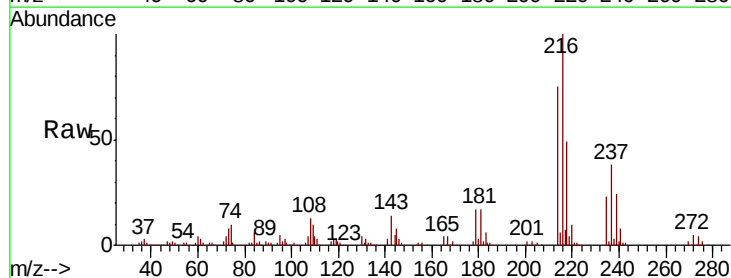
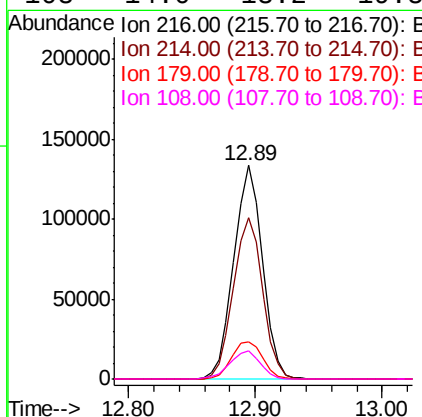
Manual Integrations
APPROVED

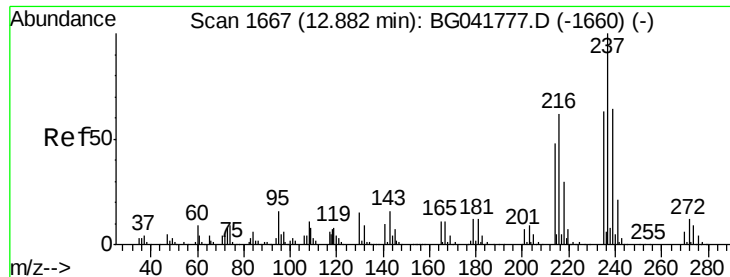
mohammad
8/1/2019 5:10:16 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.702 ng
RT: 12.89 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.9	61.5	92.3
179	18.6	16.2	24.2
108	14.0	13.2	19.8





#41

Hexachlorocyclopentadiene

Concen: 59.585 ng

RT: 12.88 min Scan# 1667

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

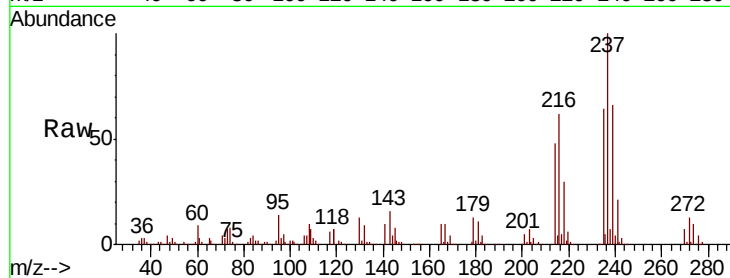
ClientSampleId :

OK-01-072919MSD

Tot Ion:	237	Resp:	185583
Ion Ratio	Lower	Upper	
237	100		
235	64.0	43.5	83.5
272	13.2	0.0	31.2

Manual Integrations
APPROVED

mohammad
8/1/2019 5:10:16 PM

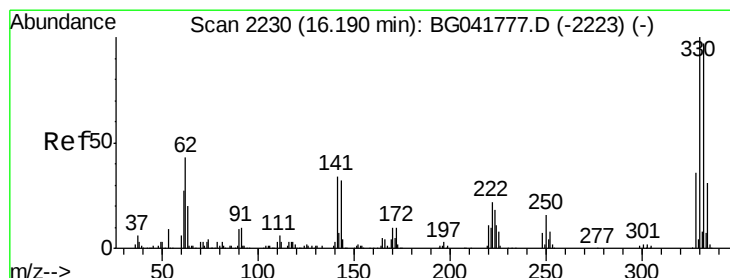
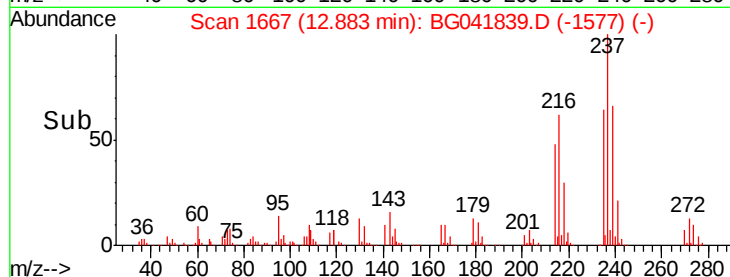
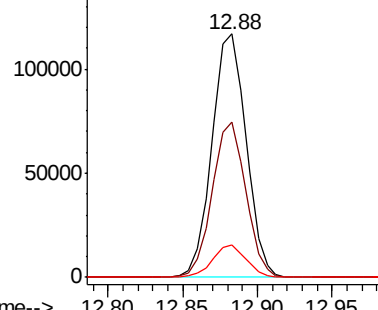


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 240.273 ng

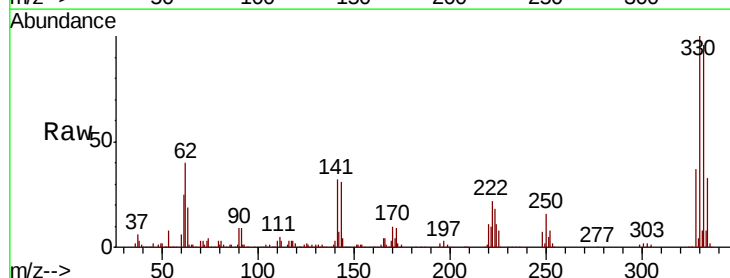
RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	330	Resp:	477626
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.4	116.0
141	32.5	31.9	47.9

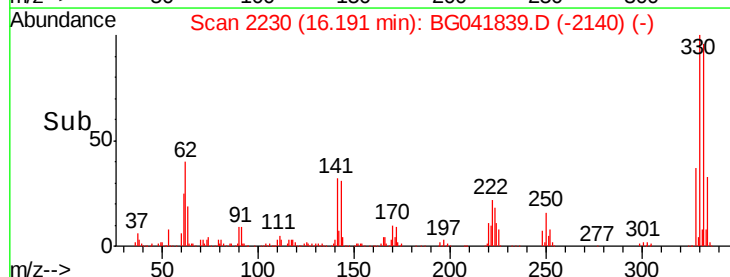
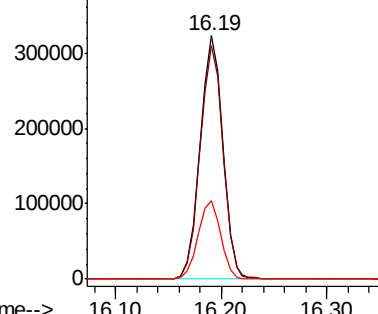


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





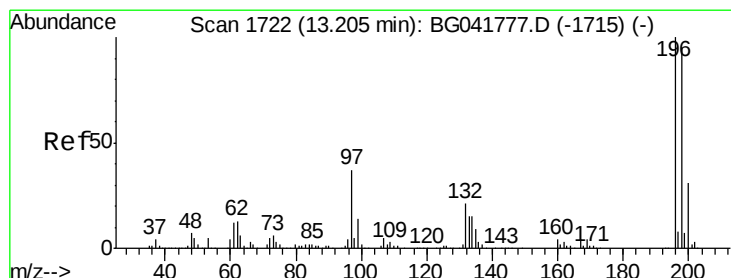
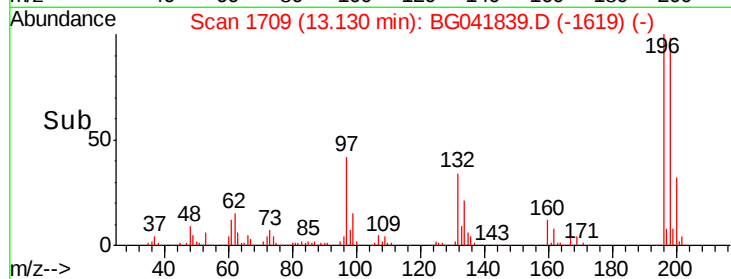
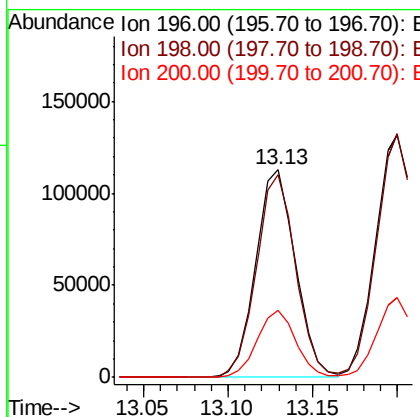
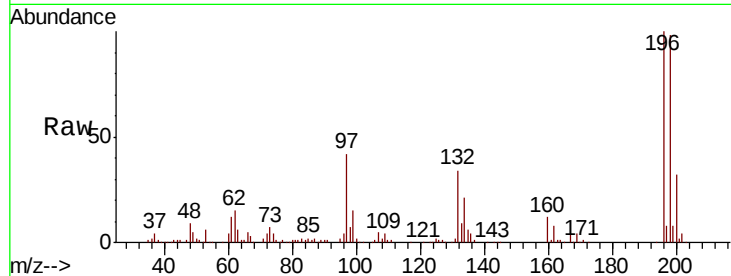
#43
 2,4,6-Trichlorophenol
 Concen: 52.378 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	183392		
198	98.0	79.6	119.4	
200	32.1	25.2	37.8	

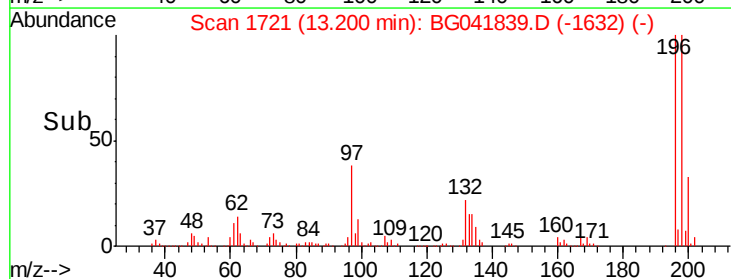
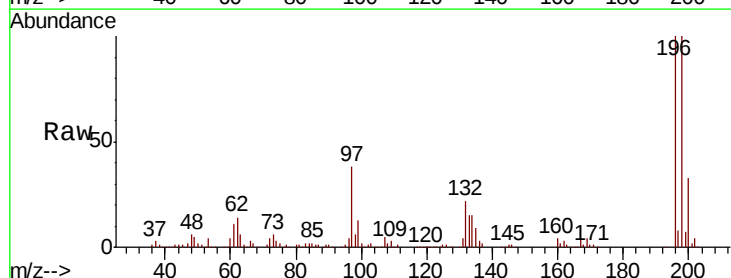
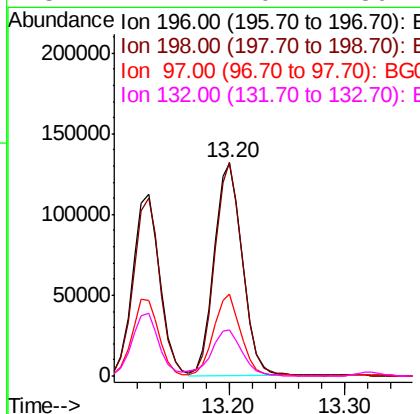
Manual Integrations
 APPROVED

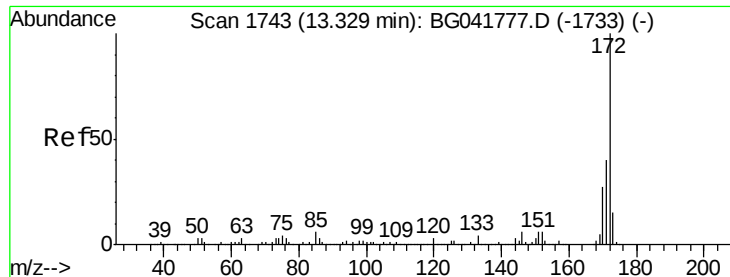
mohammad
 8/1/2019 5:10:16 PM



#44
 2,4,5-Trichlorophenol
 Concen: 61.209 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	222712		
198	100.4	80.6	121.0	
97	38.4	33.9	50.9	
132	21.7	20.2	30.2	





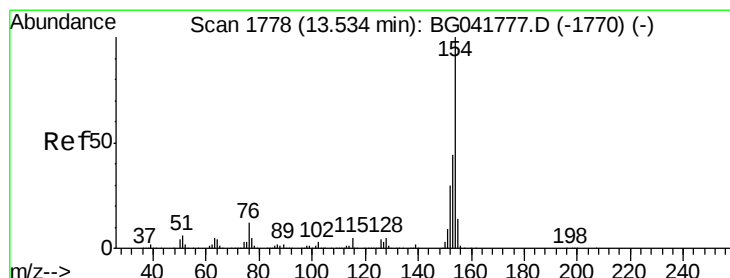
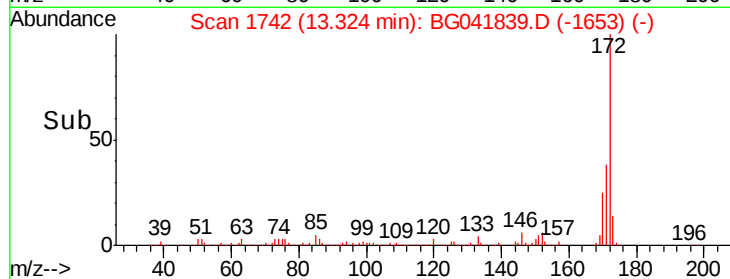
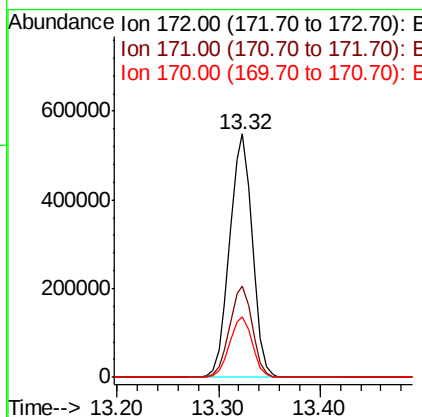
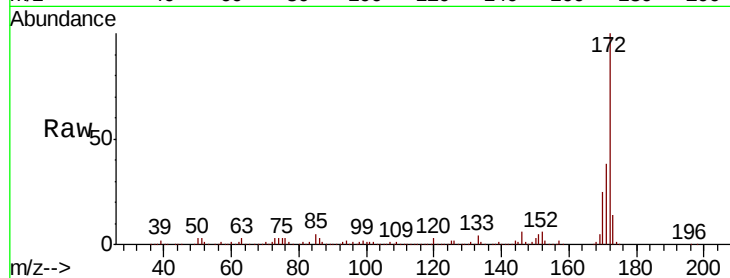
#45
2-Fluorobiphenyl
Concen: 85.665 ng
RT: 13.32 min Scan# 1742
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	35.0	52.4
170	25.0	23.5	35.3

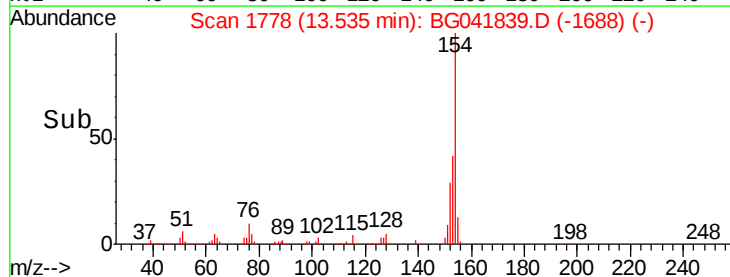
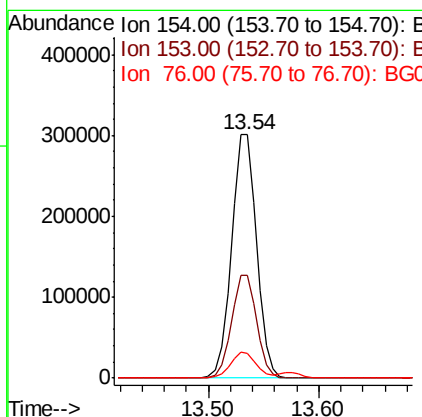
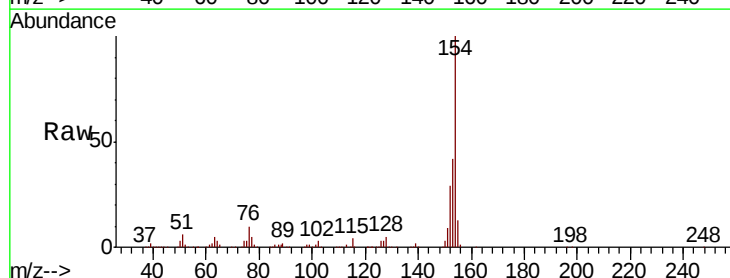
Manual Integrations
APPROVED

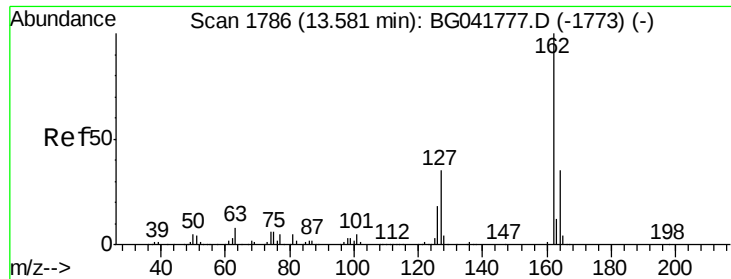
mohammad
8/1/2019 5:10:16 PM



#46
1,1'-Biphenyl
Concen: 42.516 ng
RT: 13.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	25.0	65.0
76	10.3	0.0	34.5





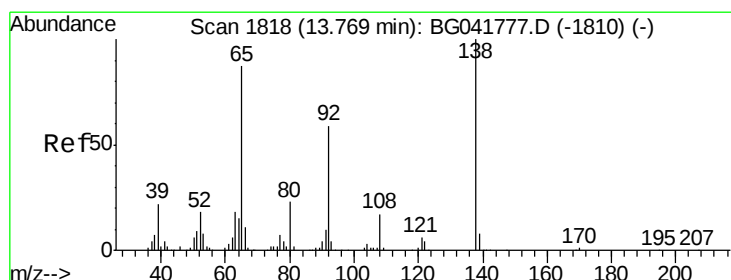
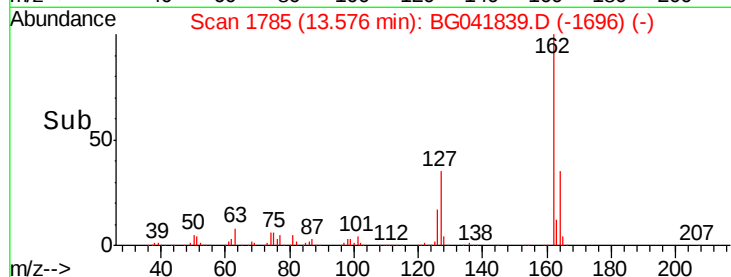
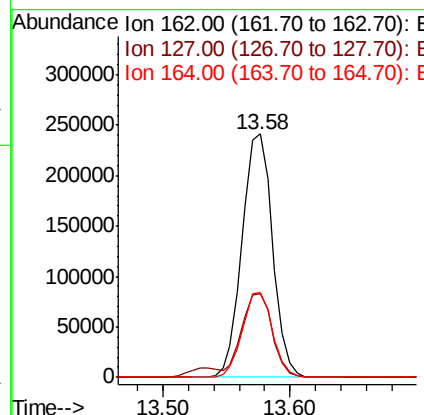
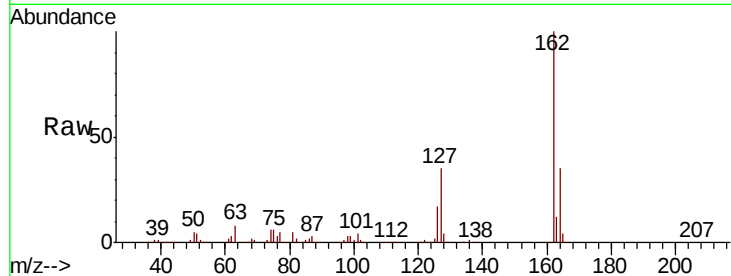
#47
2-Chloronaphthalene
Concen: 41.987 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	34.5	30.4	45.6
164	35.0	28.6	42.8

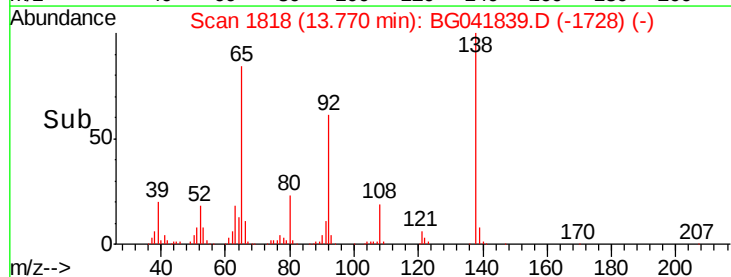
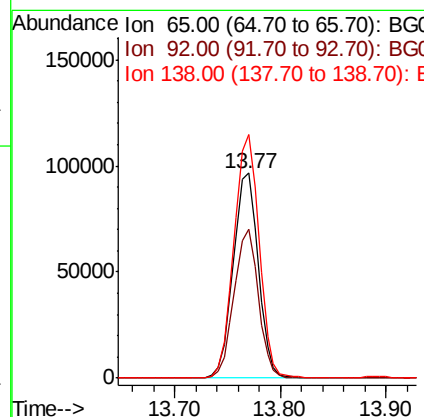
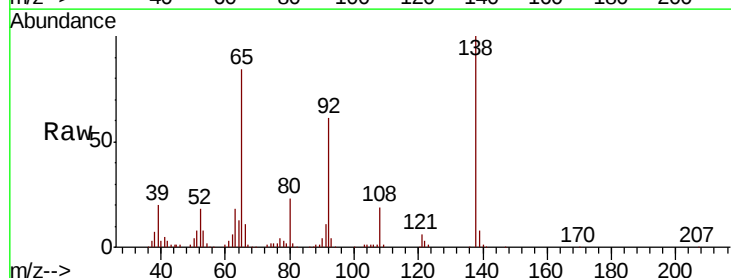
Manual Integrations
APPROVED

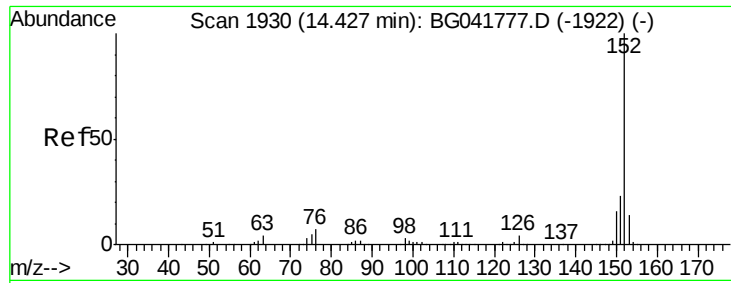
mohammad
8/1/2019 5:10:16 PM



#48
2-Nitroaniline
Concen: 65.169 ng
RT: 13.77 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.4	53.9	80.9
138	118.7	83.5	125.3





#49

Acenaphthylene

Concen: 51.033 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

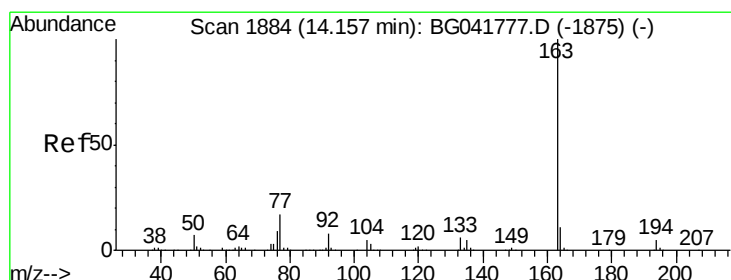
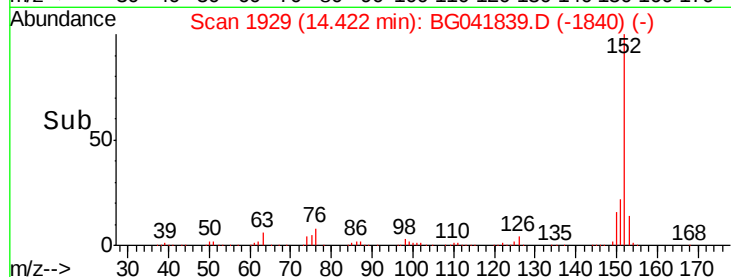
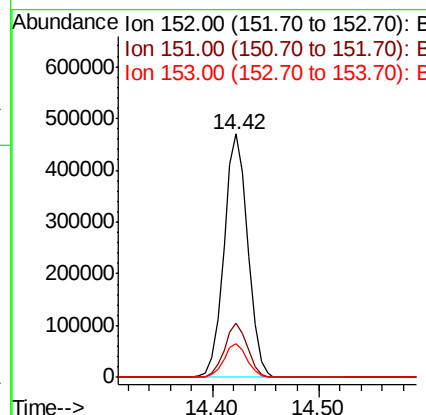
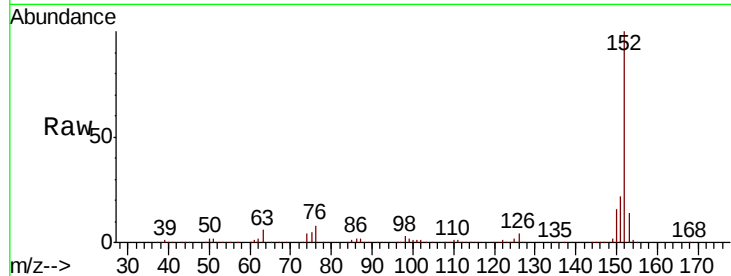
ClientSampleId :

OK-01-072919MSD

Tot Ion:	152	Resp:	731178
Ion Ratio	Lower	Upper	
152	100		
151	22.1	18.7	28.1
153	14.0	12.4	18.6

Manual Integrations
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#50

Dimethylphthalate

Concen: 58.793 ng

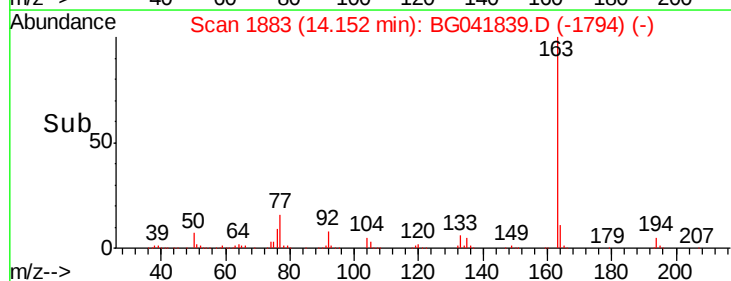
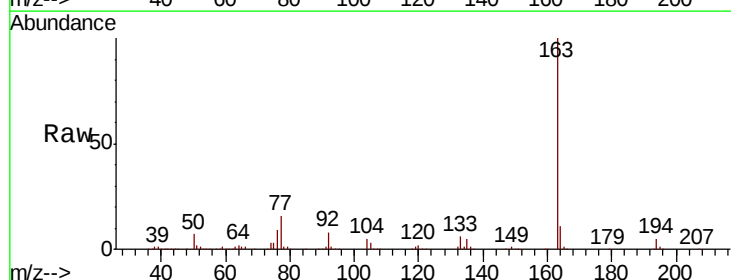
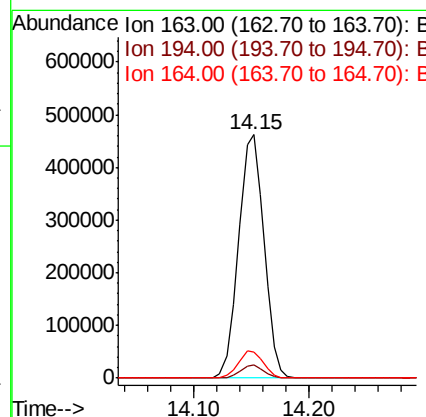
RT: 14.15 min Scan# 1883

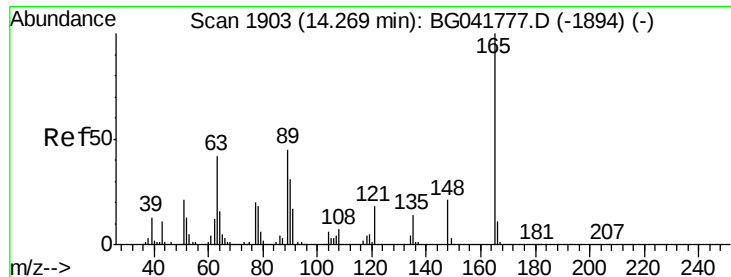
Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	163	Resp:	702706
Ion Ratio	Lower	Upper	
163	100		
194	5.4	4.2	6.2
164	10.7	9.4	14.2





#51

2,6-Dinitrotoluene

Concen: 69.263 ng

RT: 14.26 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:165 Resp: 173106

Ion Ratio Lower Upper

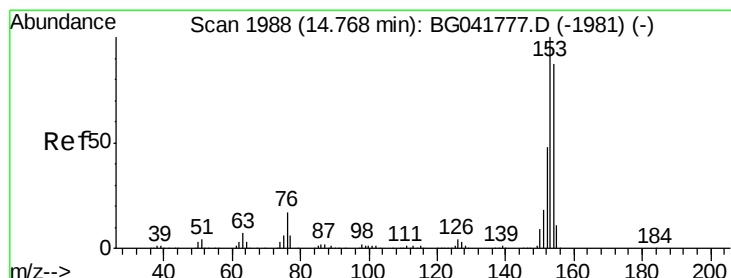
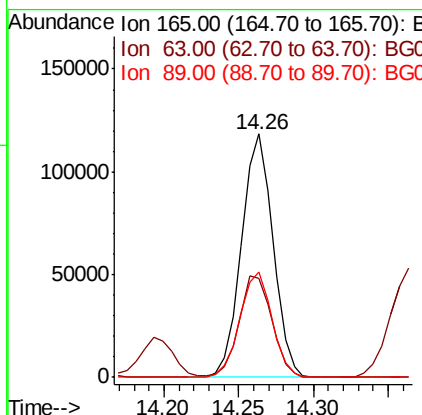
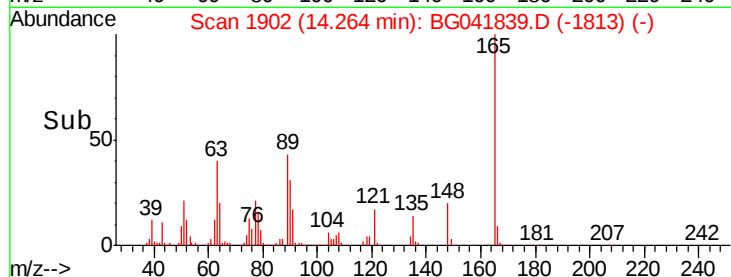
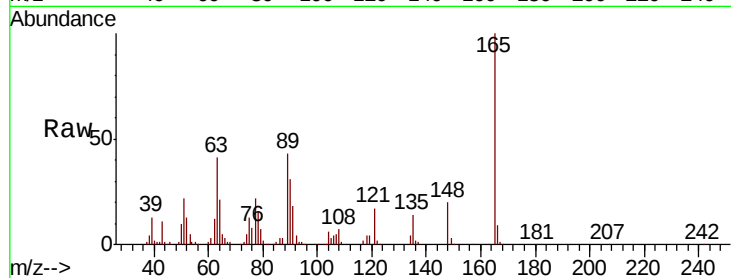
165 100

63 40.8 42.4 63.6#

89 43.1 42.1 63.1

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#52

Acenaphthene

Concen: 52.293 ng

RT: 14.76 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

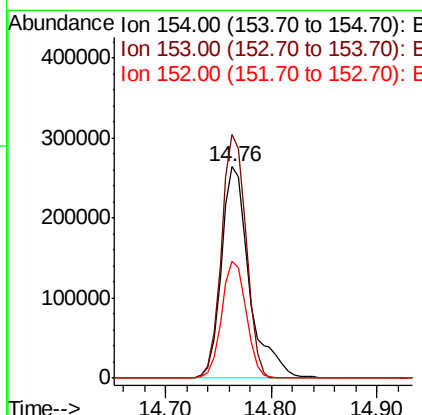
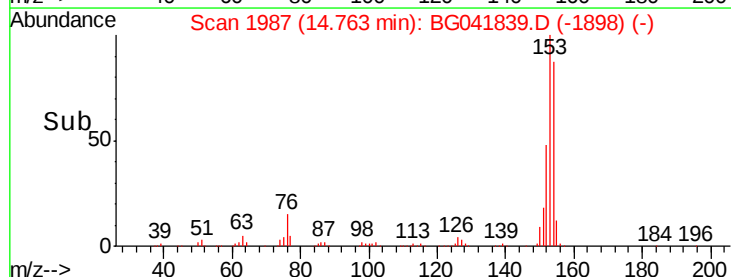
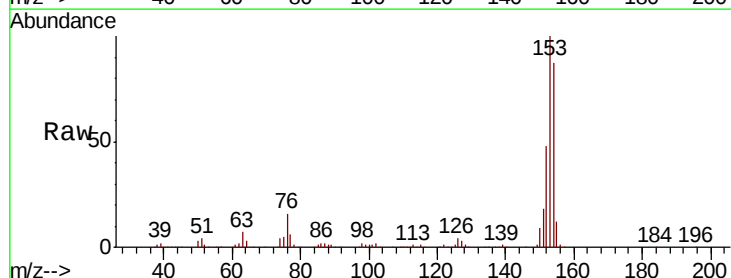
Tgt Ion:154 Resp: 487289

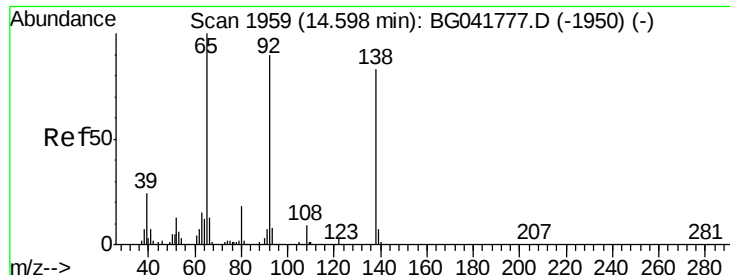
Ion Ratio Lower Upper

154 100

153 115.2 89.8 134.6

152 55.0 44.9 67.3





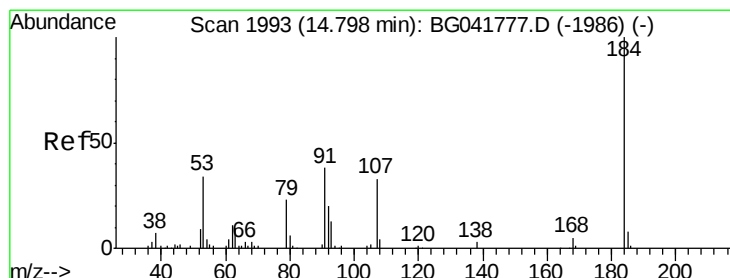
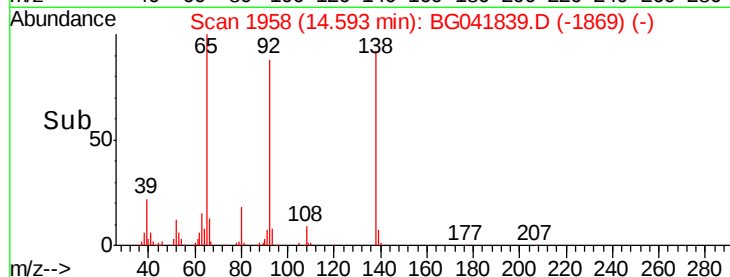
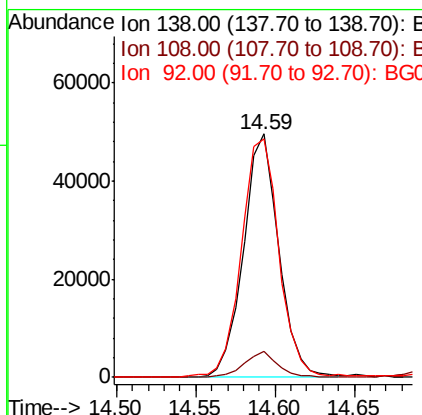
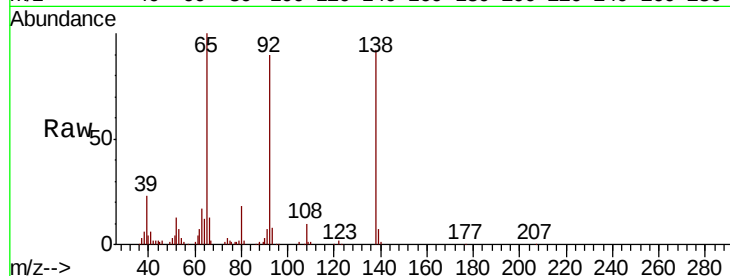
#53
3-Nitroaniline
Concen: 28.783 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	10.3	15.5
92	98.2	93.0	139.4

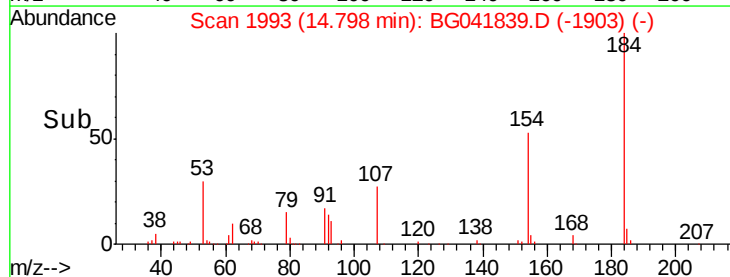
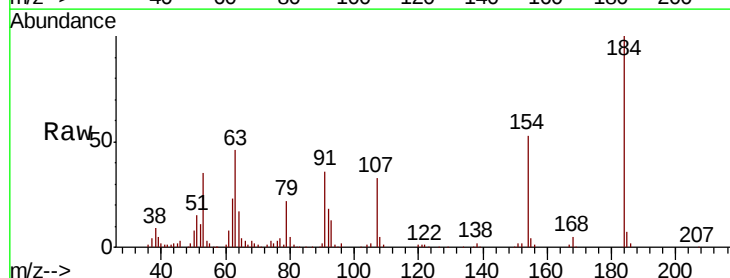
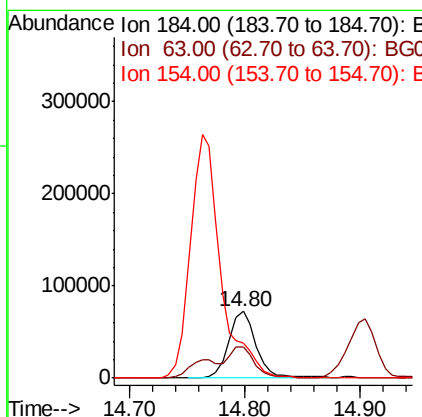
Manual Integrations
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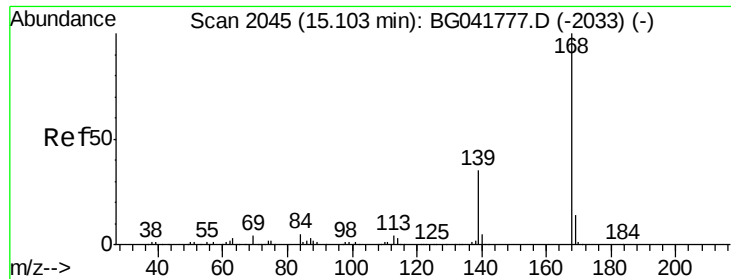
mohammad
8/1/2019 5:10:16 PM



#54
2,4-Dinitrophenol
Concen: 79.426 ng
RT: 14.80 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
184	100		
63	45.9	43.2	64.8
154	53.3	51.4	77.2





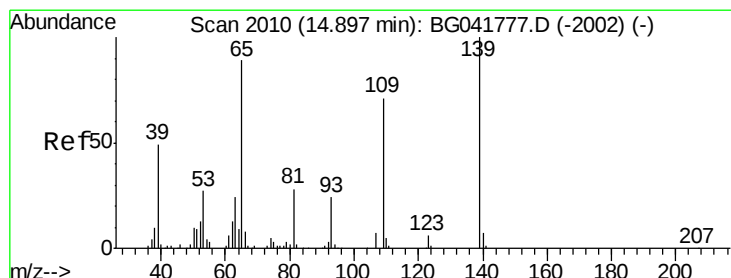
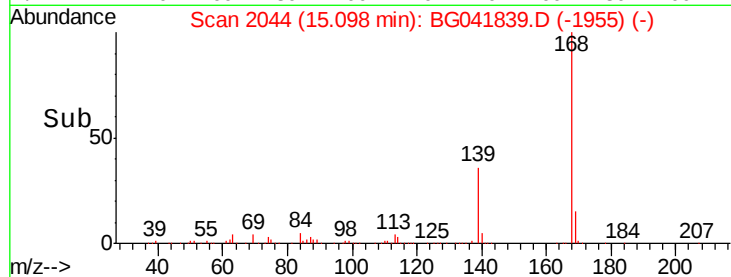
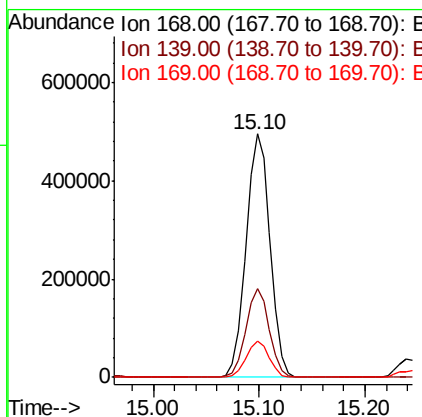
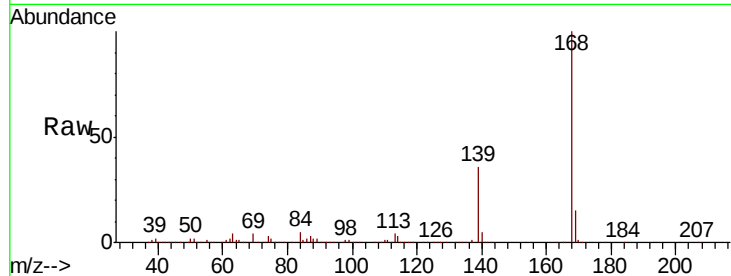
#55
Dibenzenofuran
Concen: 54.443 ng
RT: 15.10 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion:168	Resp: 775977
Ion Ratio	Lower Upper
168 100	
139 36.3	31.9 47.9
169 14.9	12.5 18.7

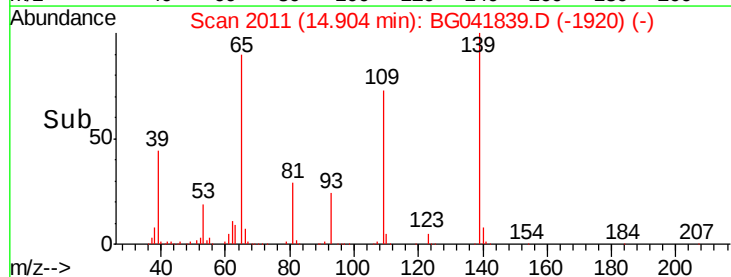
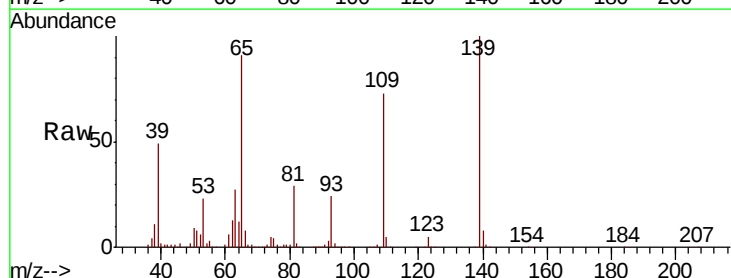
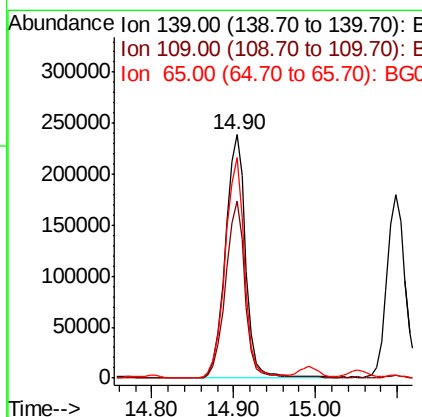
Manual Integrations
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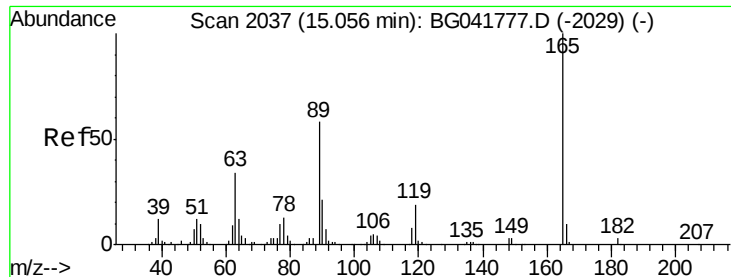
mohammad
8/1/2019 5:10:16 PM



#56
4-Nitrophenol
Concen: 202.814 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion:139	Resp: 411623
Ion Ratio	Lower Upper
139 100	
109 72.8	51.3 91.3
65 90.6	77.6 117.6





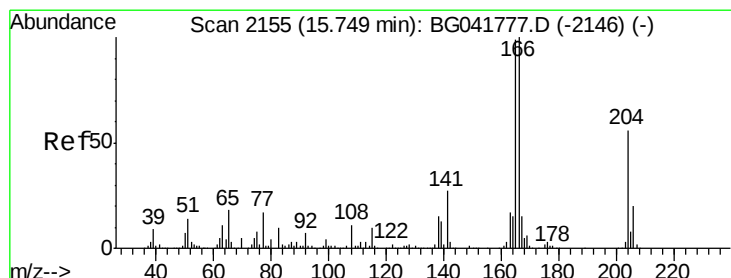
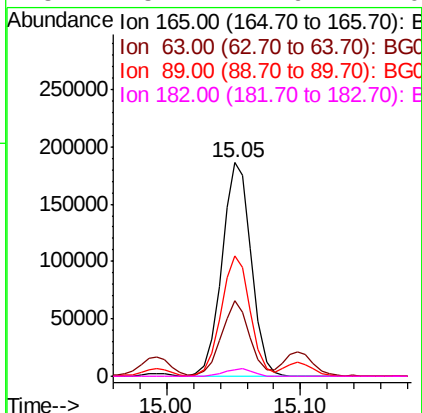
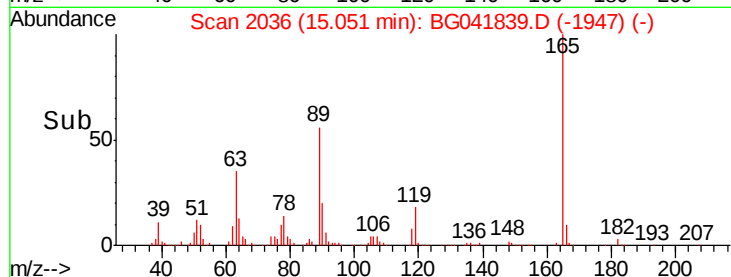
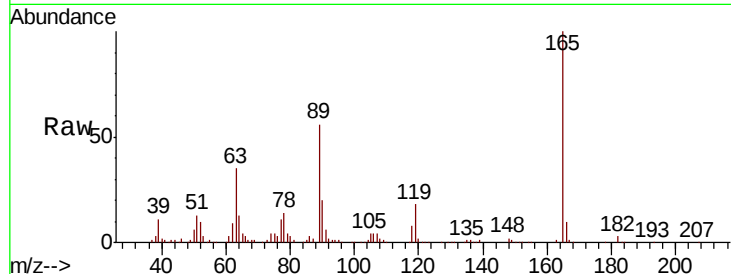
#57
2,4-Dinitrotoluene
Concen: 82.691 ng
RT: 15.05 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		284210		
63	35.2	31.7	47.5		
89	56.3	50.2	75.4		
182	3.1	2.6	4.0		

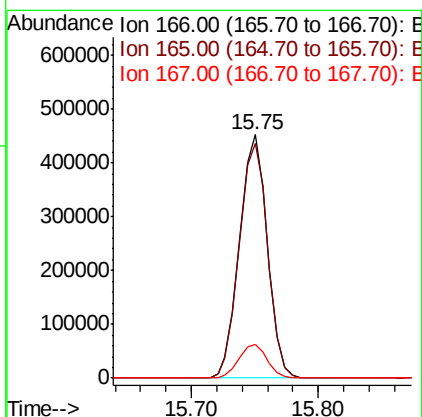
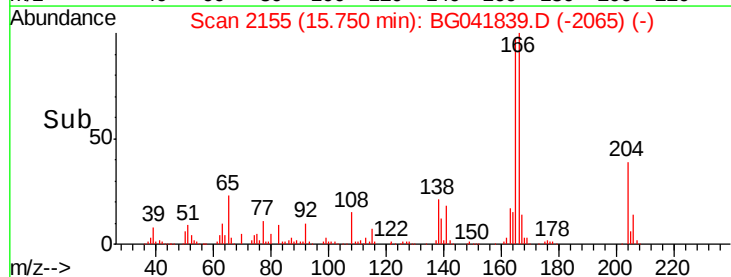
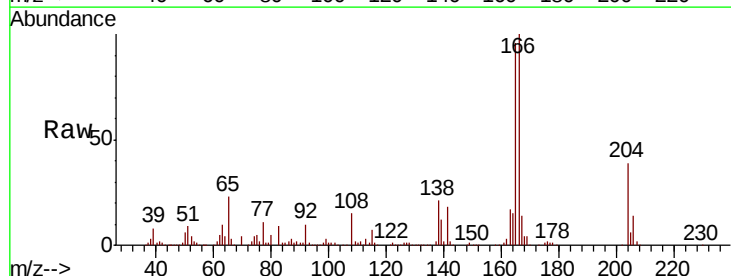
Manual Integrations
APPROVED

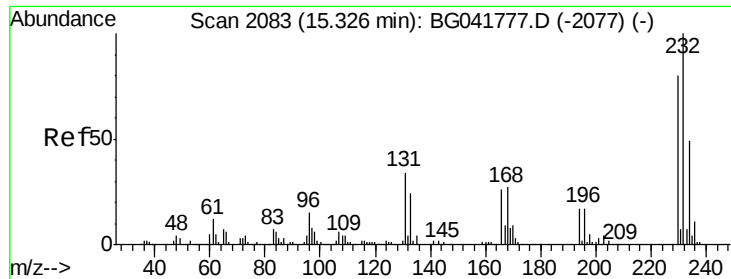
mohammad
8/1/2019 5:10:16 PM



#58
Fluorene
Concen: 60.079 ng
RT: 15.75 min Scan# 2155
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		687201		
165	96.3	80.5	120.7		
167	13.8	12.4	18.6		





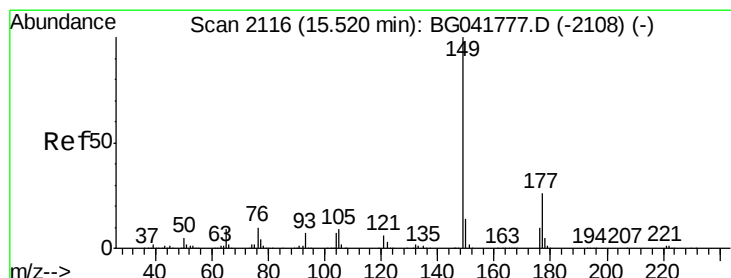
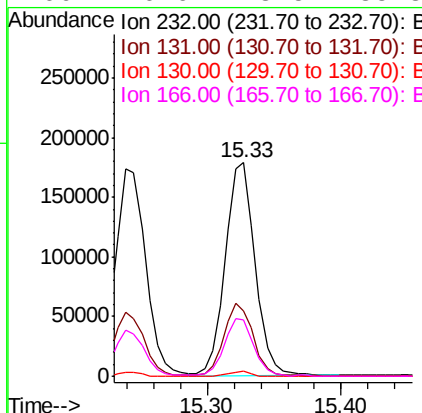
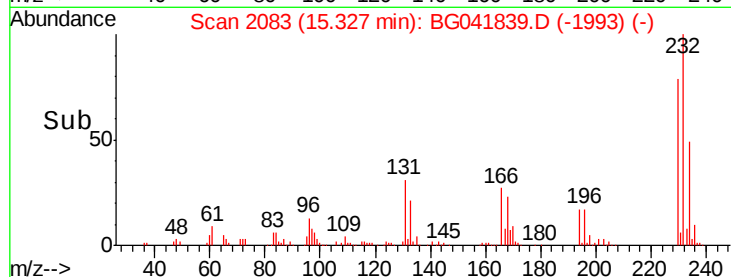
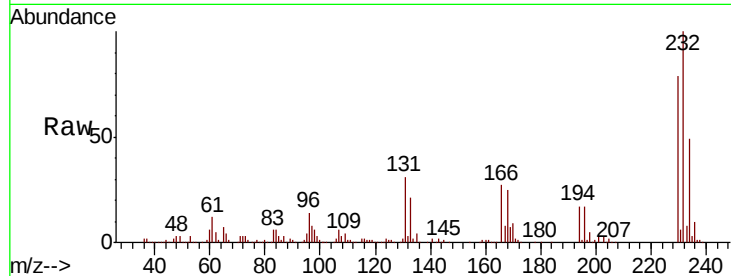
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 77.404 ng
 RT: 15.33 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	33.8	31.8	47.6
130	1.8	1.8	2.8
166	26.6	23.5	35.3

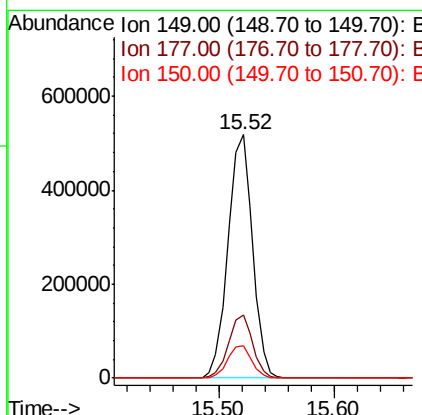
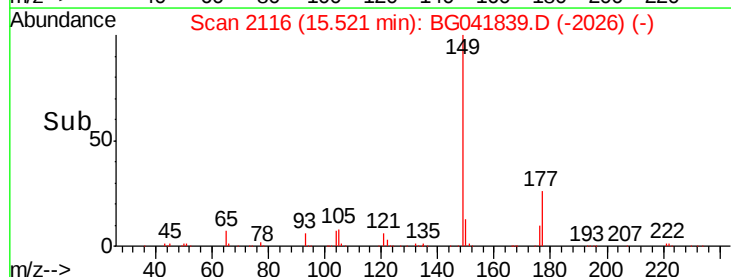
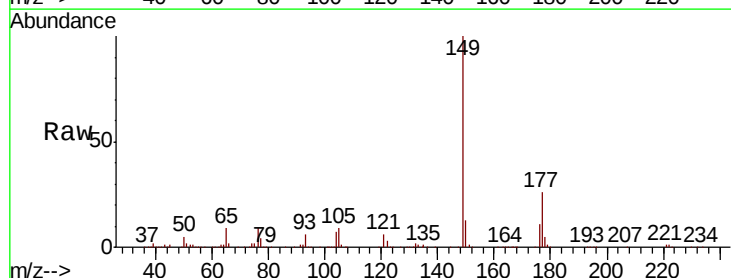
Manual Integrations
 APPROVED

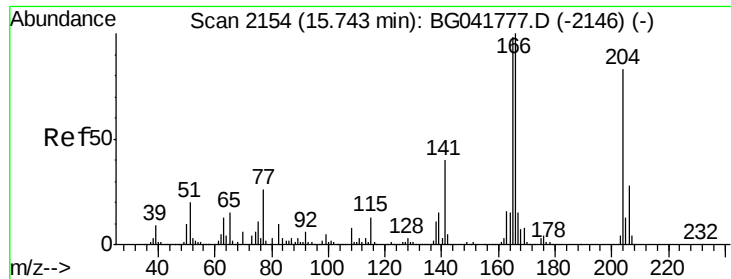
mohammad
 8/1/2019 5:10:16 PM



#60
 Diethylphthalate
 Concen: 64.697 ng
 RT: 15.52 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
177	26.0	20.7	31.1
150	13.5	11.5	17.3





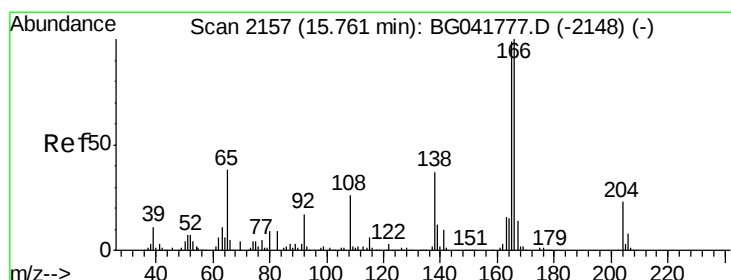
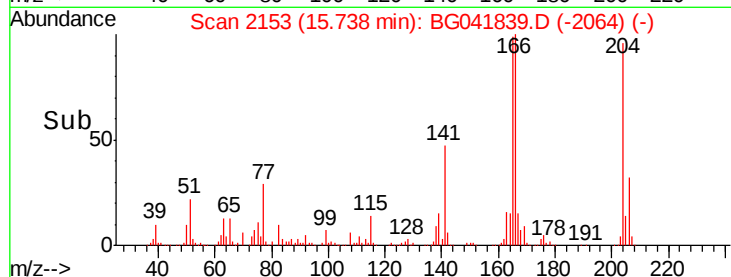
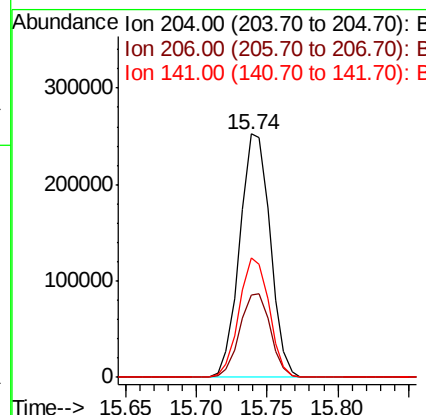
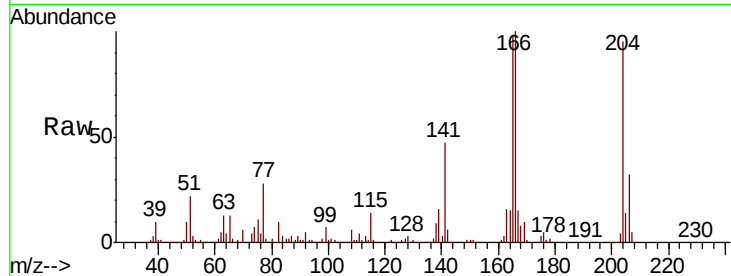
#61
 4-Chlorophenyl-phenylether
 Concen: 54.596 ng
 RT: 15.74 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.8	28.6	42.8
141	49.1	42.9	64.3

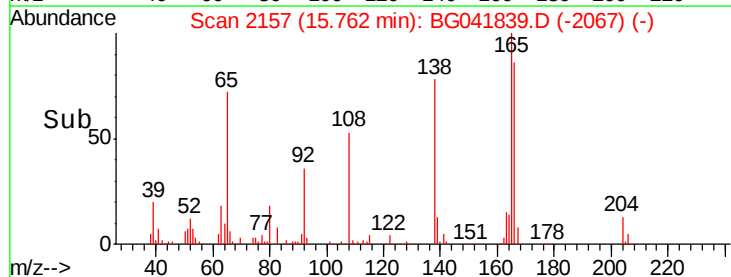
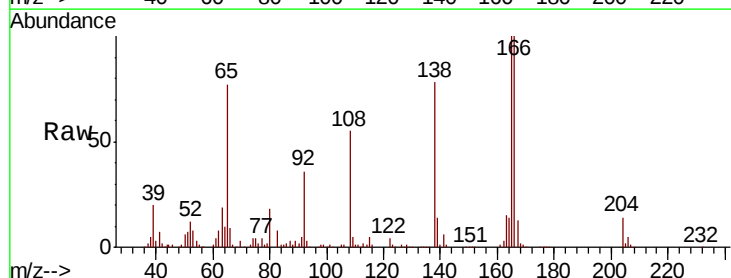
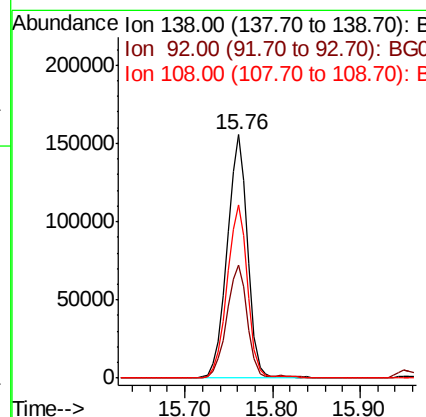
Manual Integrations
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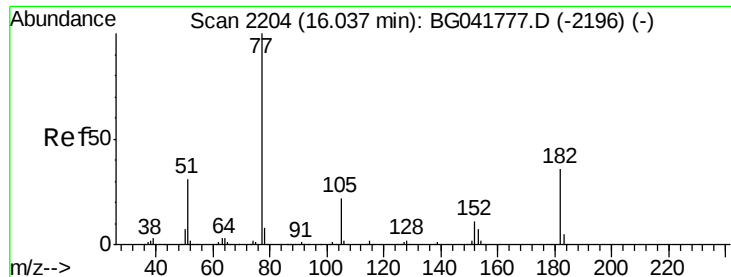
mohammad
 8/1/2019 5:10:16 PM



#62
 4-Nitroaniline
 Concen: 86.819 ng
 RT: 15.76 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.3	29.8	69.8
108	71.2	52.2	92.2





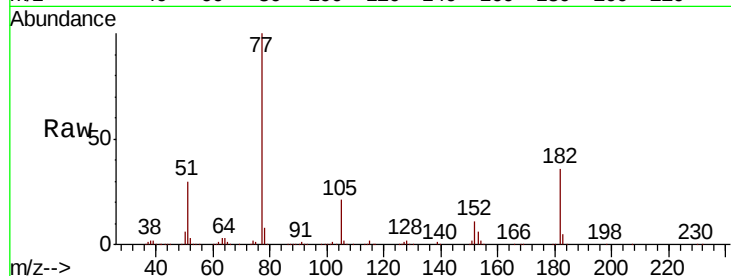
#63
Azobenzene
Concen: 59.474 ng
RT: 16.03 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	36.2	13.2	53.2
105	20.7	2.2	42.2
51	30.4	14.6	54.6

Manual Integrations
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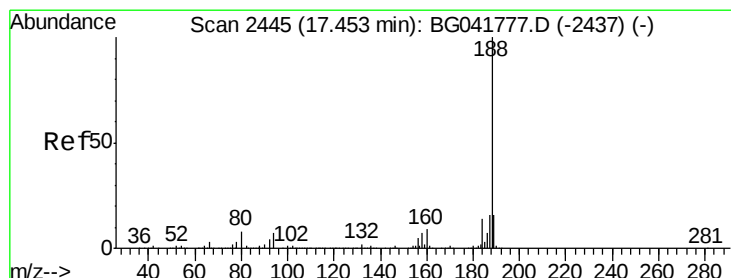
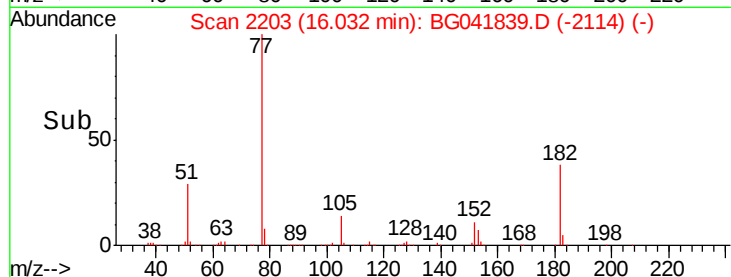
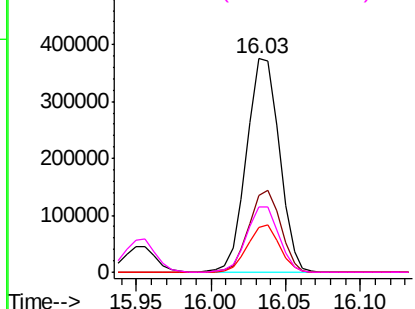
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

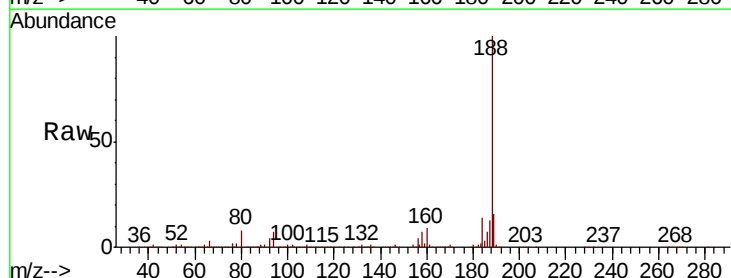
Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.5	8.0	12.0#

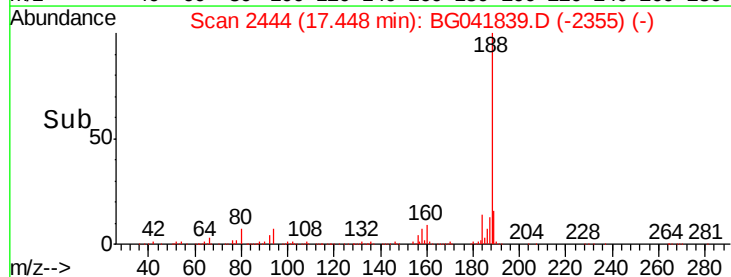
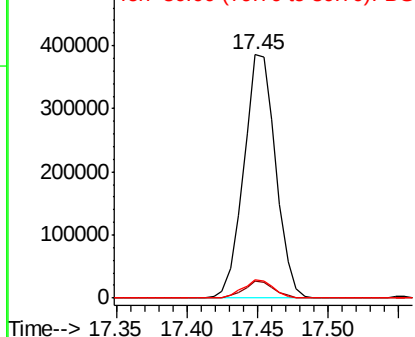


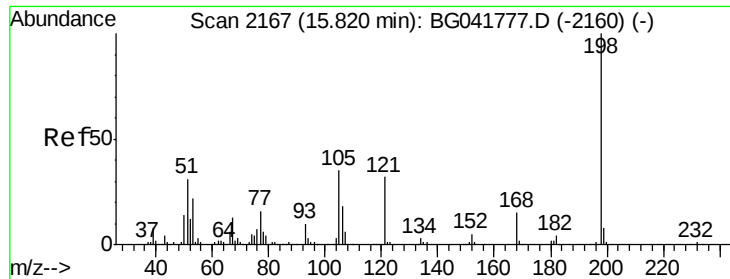
Abundance

Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





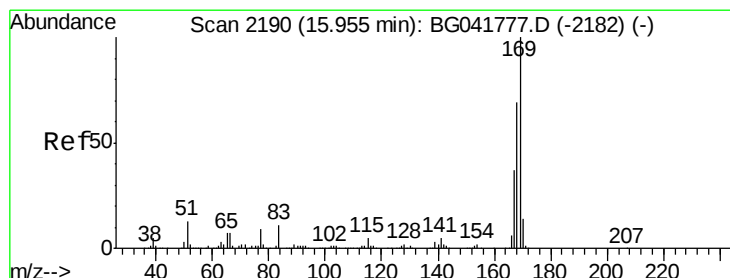
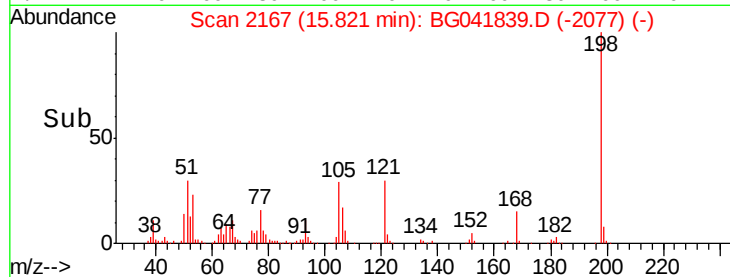
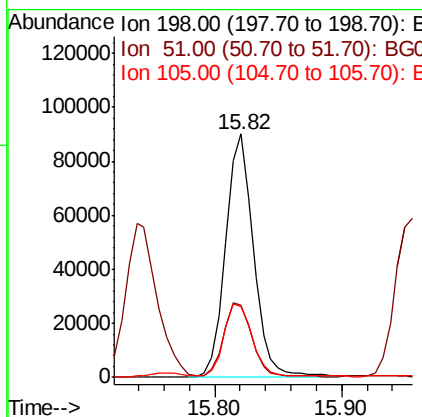
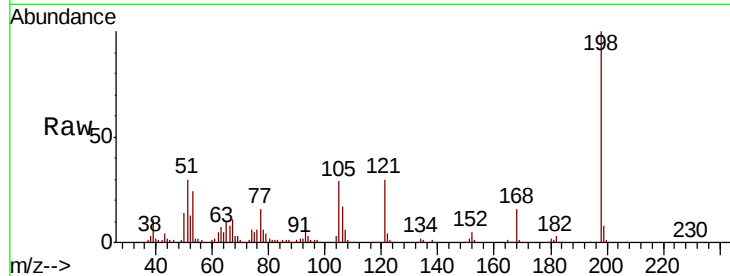
#65
 4,6-Dinitro-2-methylphenol
 Concen: 46.314 ng
 RT: 15.82 min Scan# 2167
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	29.7	22.3	62.3
105	29.2	18.0	58.0

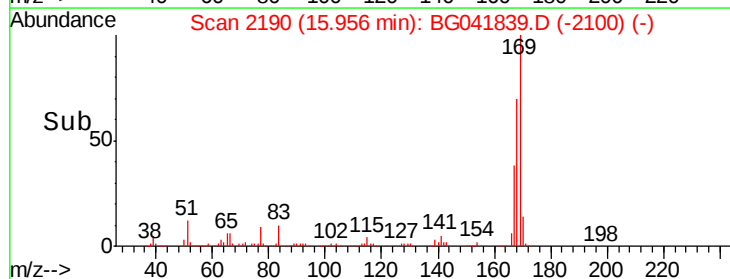
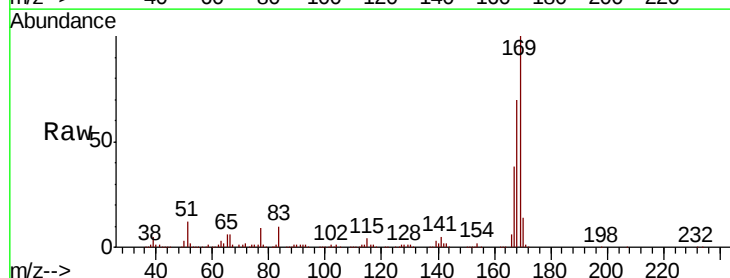
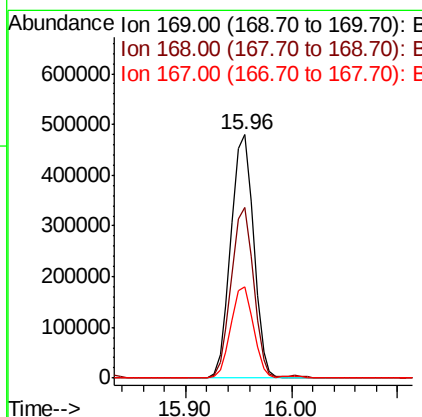
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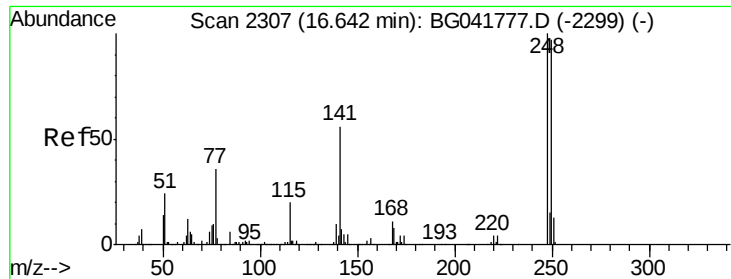
mohammad
 8/1/2019 5:10:16 PM



#66
 n-Nitrosodiphenylamine
 Concen: 42.971 ng
 RT: 15.96 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
169	100		
168	70.2	56.9	85.3
167	37.8	31.5	47.3





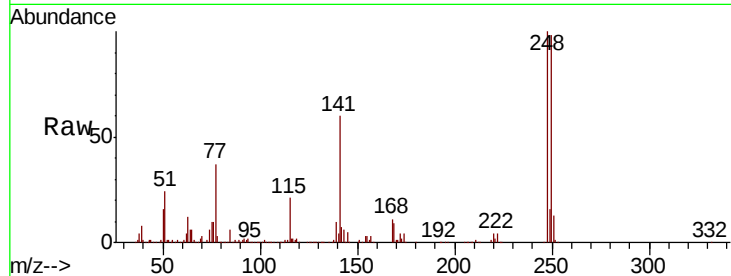
#67
4-Bromophenyl-phenylether
Concen: 40.096 ng
RT: 16.64 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.1	117.1
141	59.6	49.6	74.4

Manual Integrations
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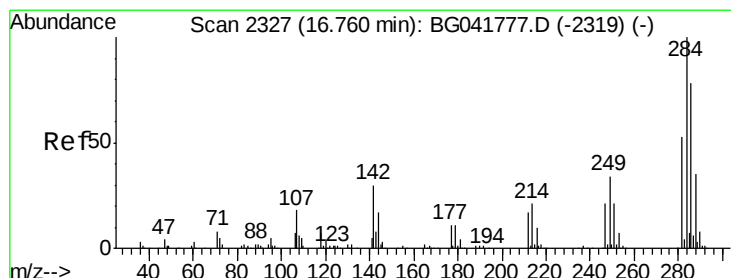
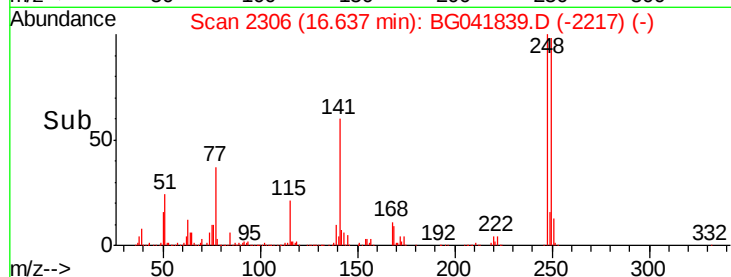
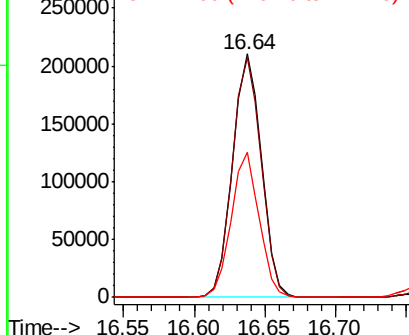


Abundance

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: 41.587 ng
RT: 16.76 min Scan# 2327
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

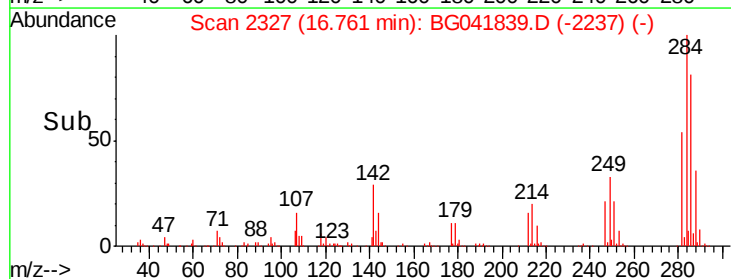
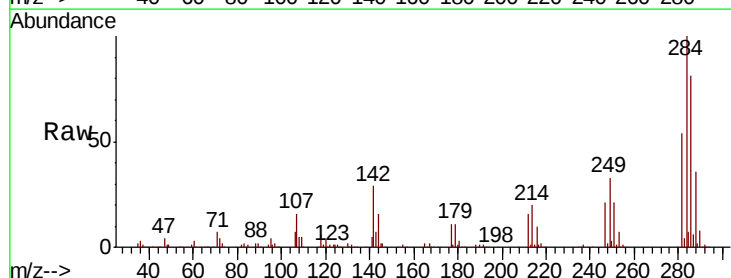
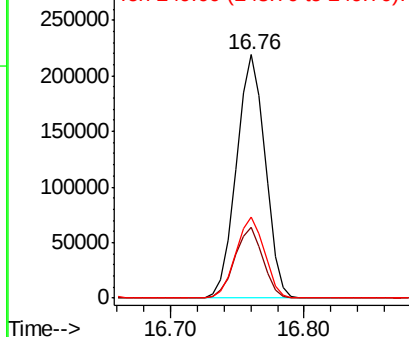
Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.9	27.0	40.6
249	33.4	28.4	42.6

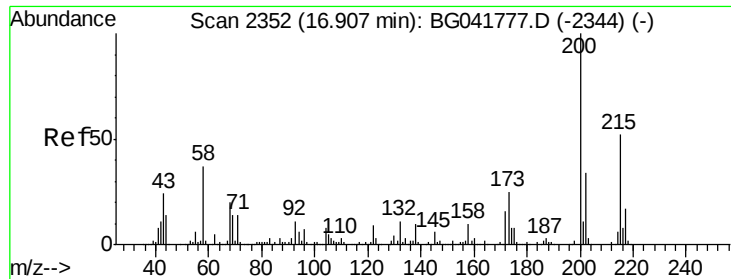
Abundance

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





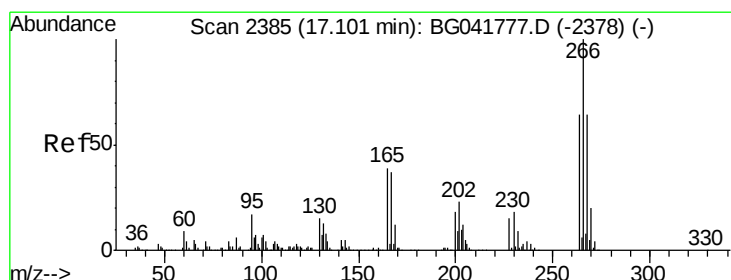
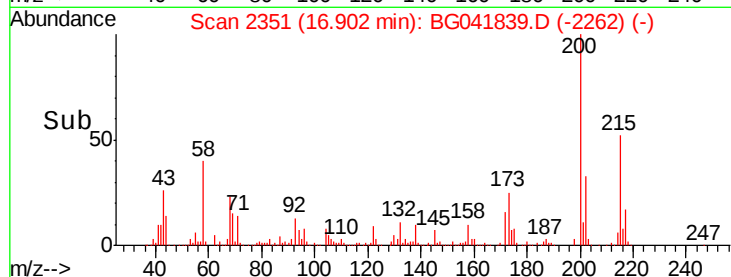
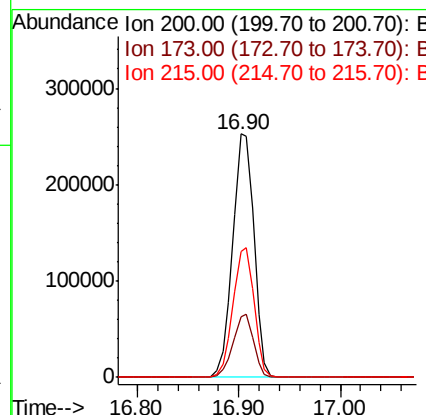
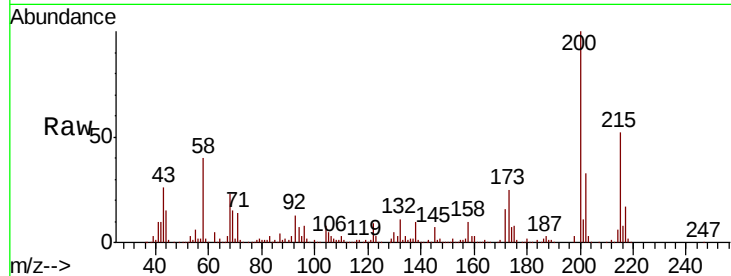
#69
Atrazine
Concen: 56.694 ng
RT: 16.90 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.3	45.3
215	51.9	31.8	71.8

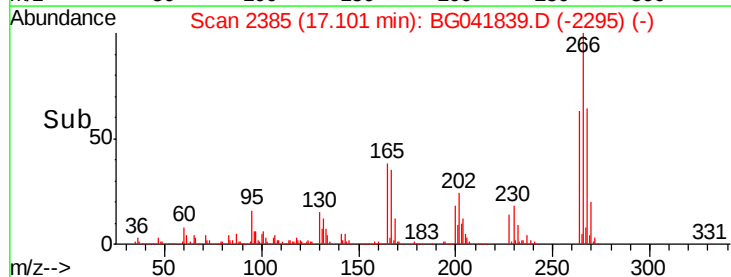
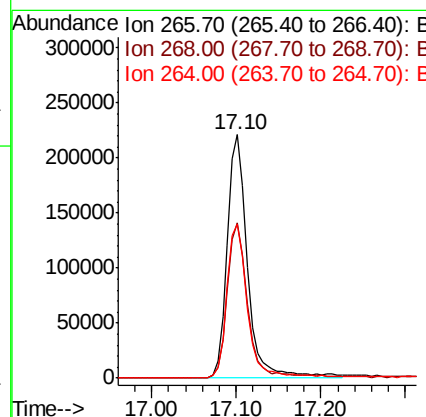
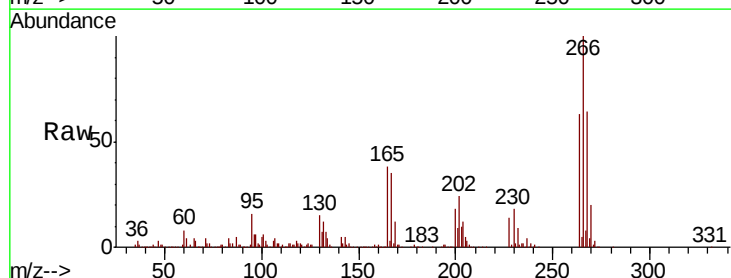
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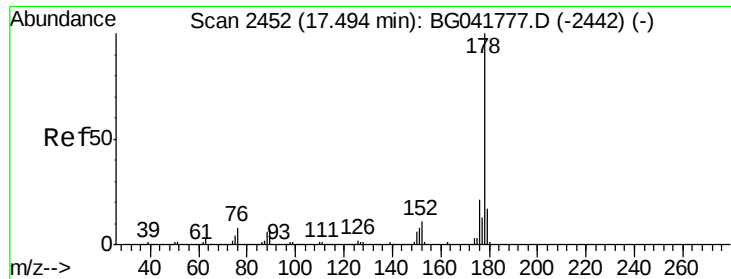
mohammad
8/1/2019 5:10:16 PM



#70
Pentachlorophenol
Concen: 83.065 ng
RT: 17.10 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	52.9	79.3
264	63.3	51.4	77.2





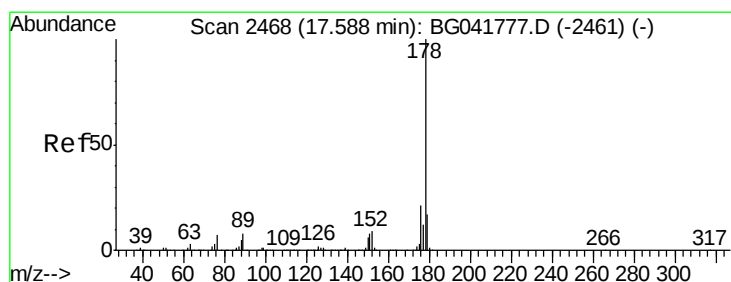
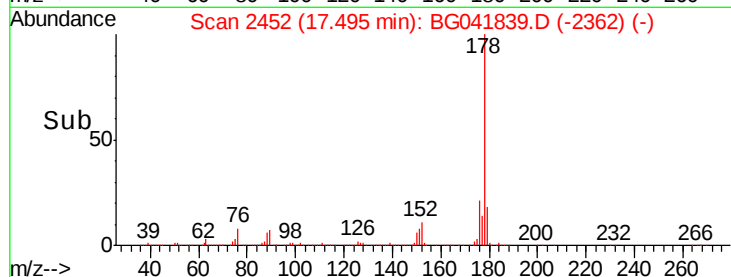
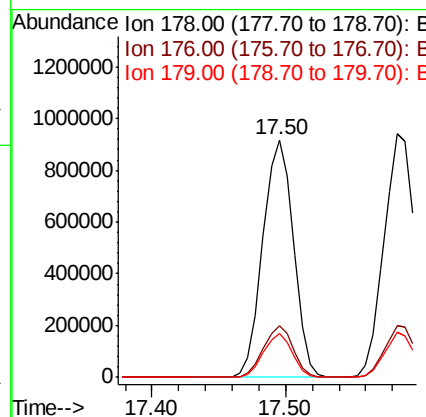
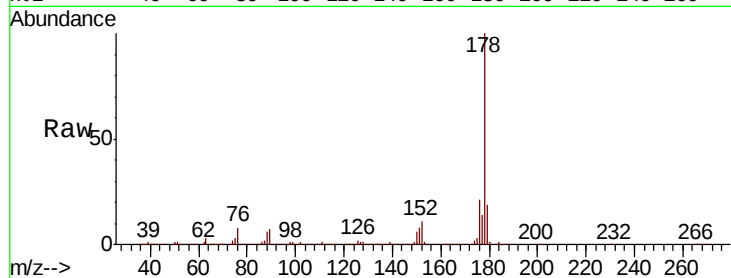
#71
Phenanthrene
Concen: 49.844 ng
RT: 17.50 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.5	18.6	28.0
179	18.5	15.4	23.0

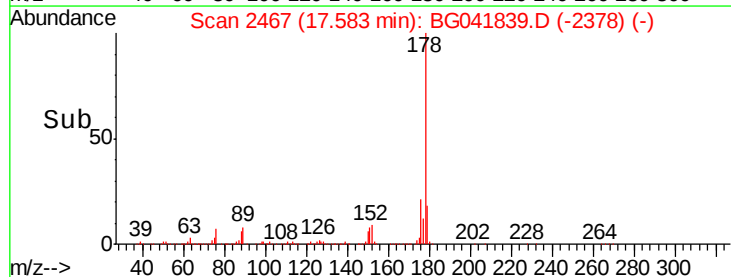
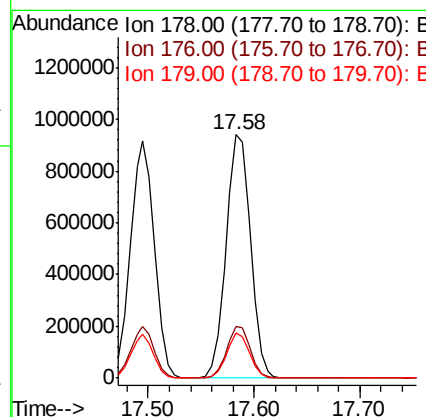
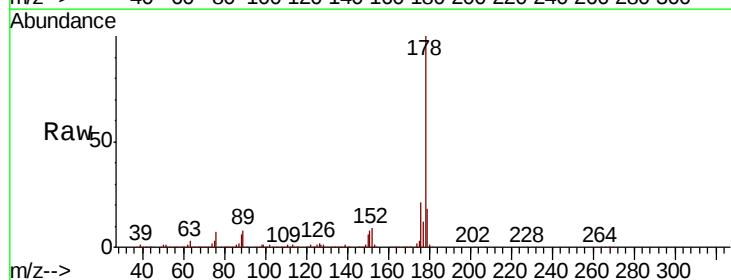
Manual Integrations
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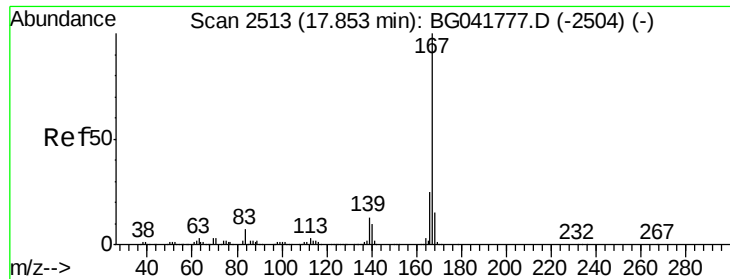
mohammad
8/1/2019 5:10:16 PM



#72
Anthracene
Concen: 51.646 ng
RT: 17.58 min Scan# 2467
Delta R.T. -0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.4	18.6	28.0
179	18.4	15.1	22.7





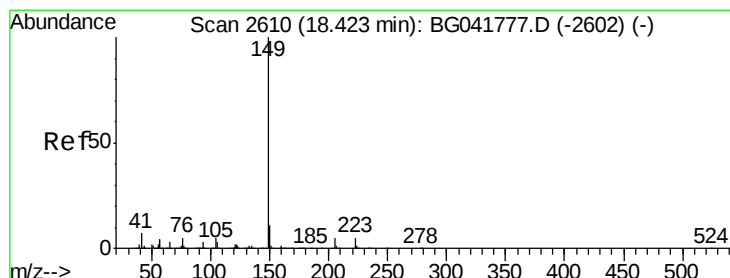
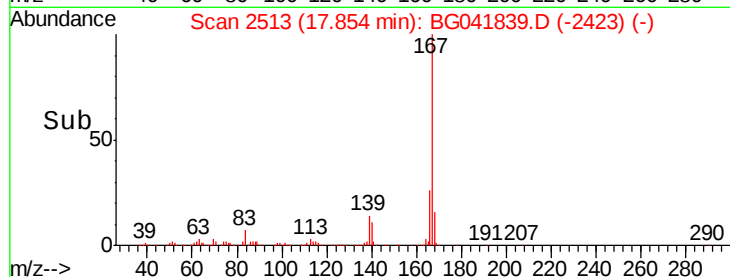
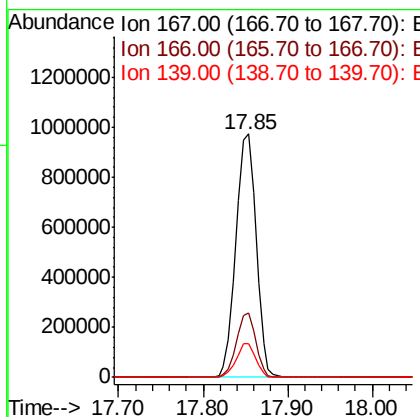
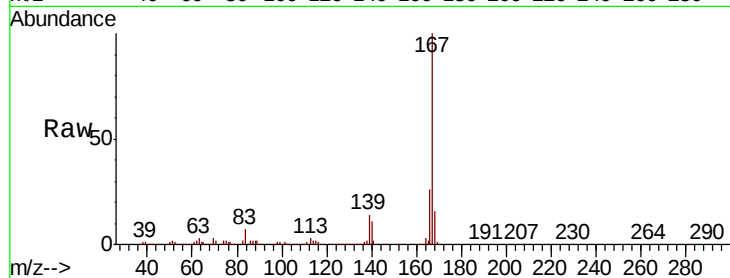
#73
 Carbazole
 Concen: 60.980 ng
 RT: 17.85 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	26.5	21.4	32.2	
139	13.7	12.1	18.1	

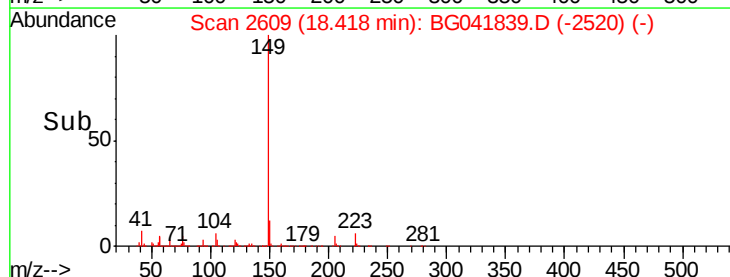
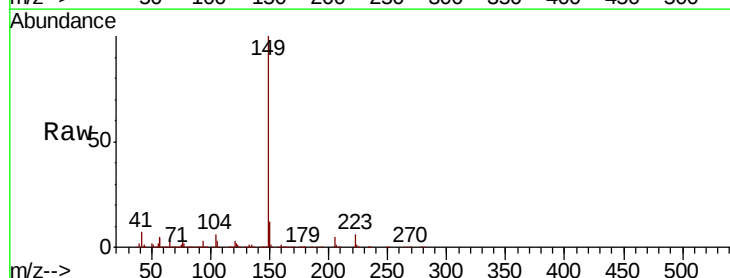
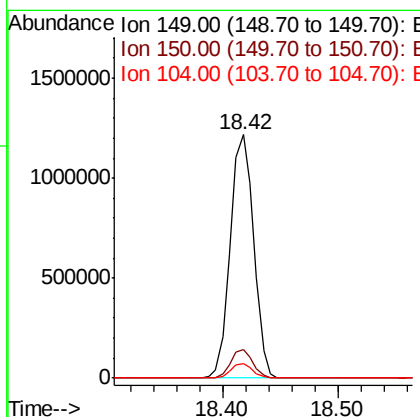
Manual Integrations
 APPROVED

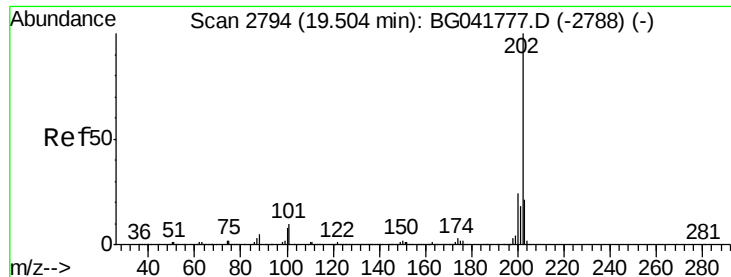
mohammad
 8/1/2019 5:10:16 PM



#74
 Di-n-butylphthalate
 Concen: 57.772 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
150	12.0	10.2	15.2	
104	6.1	5.3	7.9	





#75

Fluoranthene

Concen: 61.461 ng

RT: 19.50 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

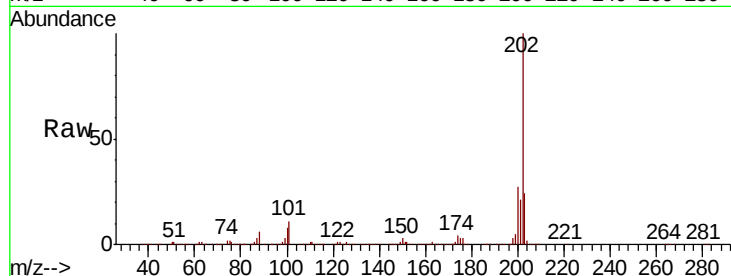
ClientSampleId :

OK-01-072919MSD

Tot Ion:	202	Resp:	2182650
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.8
203	23.5	3.7	43.7

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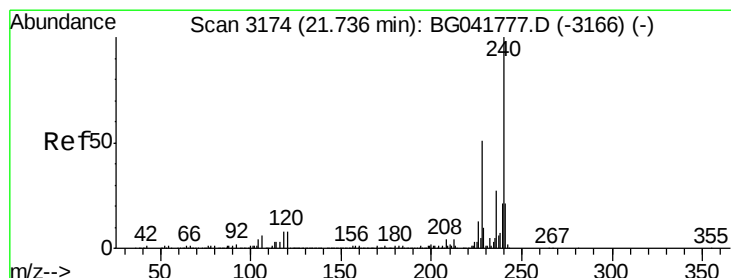
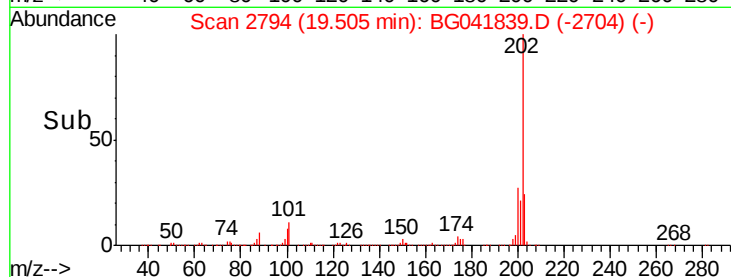
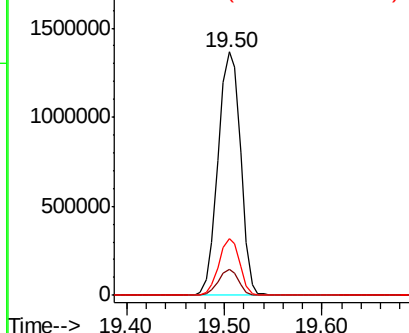


Abundance

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

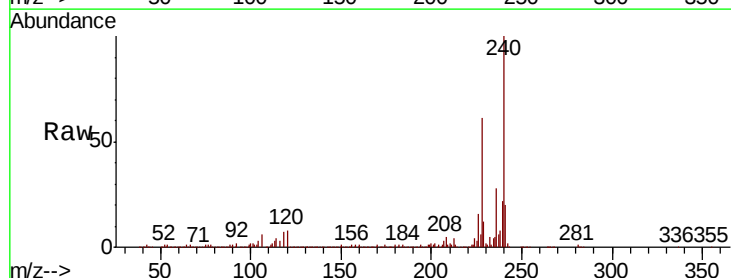
RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Tgt Ion:	240	Resp:	695381
Ion	Ratio	Lower	Upper
240	100		
120	7.6	8.0	12.0#
236	27.7	22.6	33.8

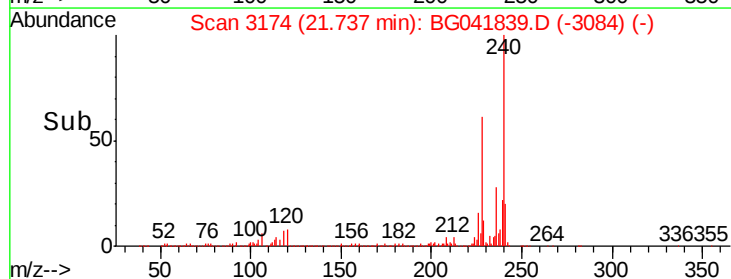
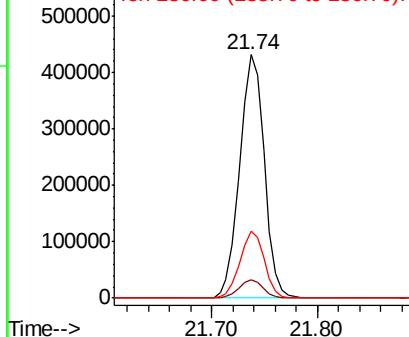


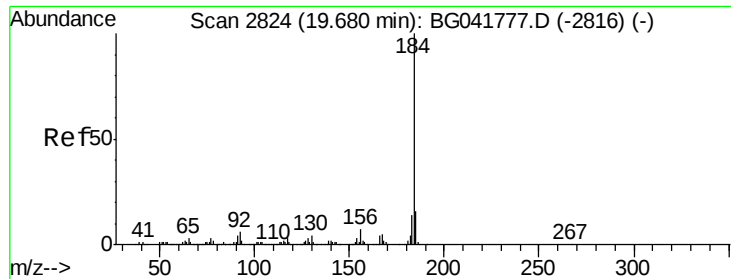
Abundance

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: 14.540 ng

RT: 19.68 min Scan# 2824

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

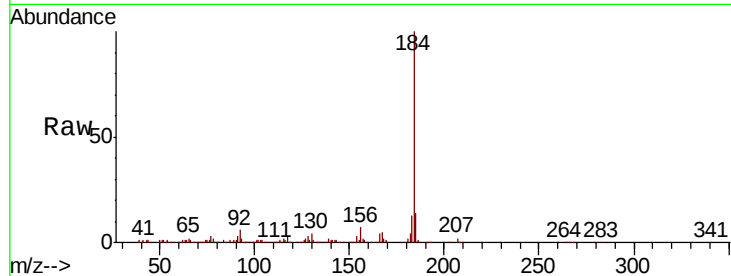
ClientSampleId :

OK-01-072919MSD

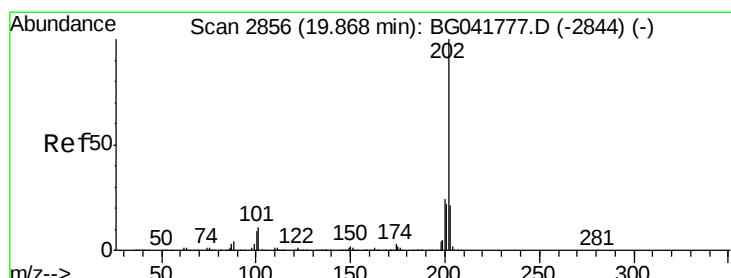
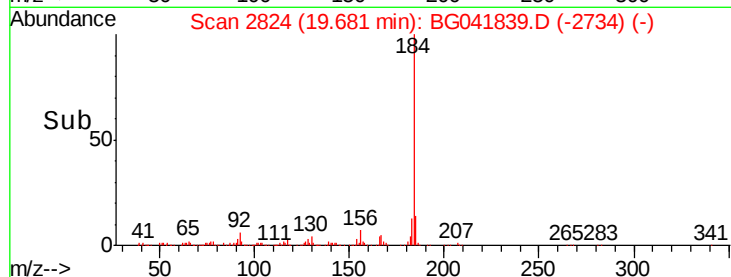
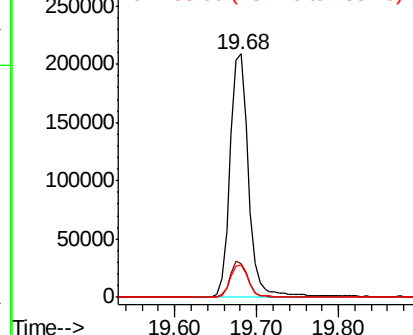
Tot Ion:	184	Resp:	330016
Ion Ratio	Lower	Upper	
184	100		
185	14.0	13.0	19.4
183	13.1	11.8	17.6

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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: 53.564 ng

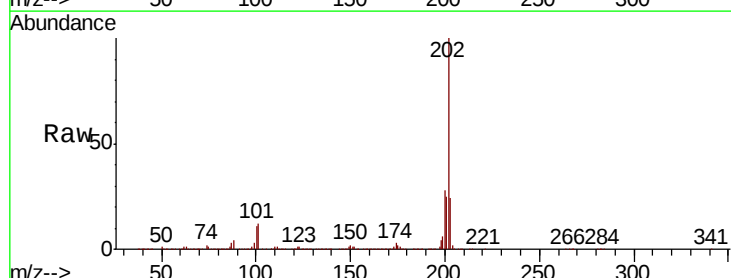
RT: 19.87 min Scan# 2856

Delta R.T. 0.00 min

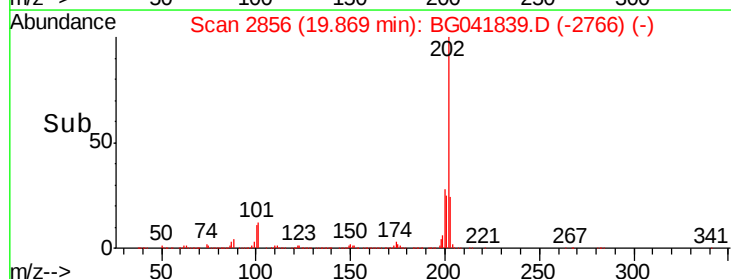
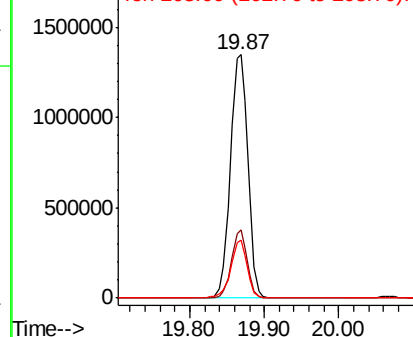
Lab File: BG041839.D

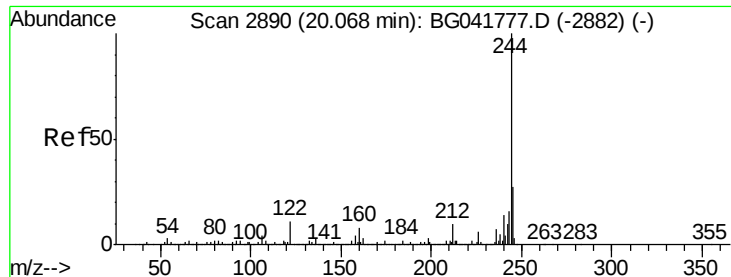
Acq: 31 Jul 2019 18:50

Tgt Ion:	202	Resp:	2206836
Ion Ratio	Lower	Upper	
202	100		
200	28.0	22.2	33.2
203	23.8	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





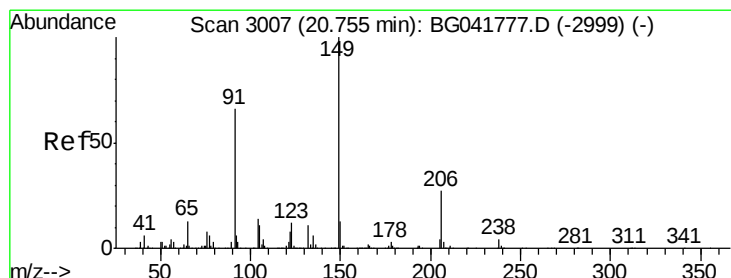
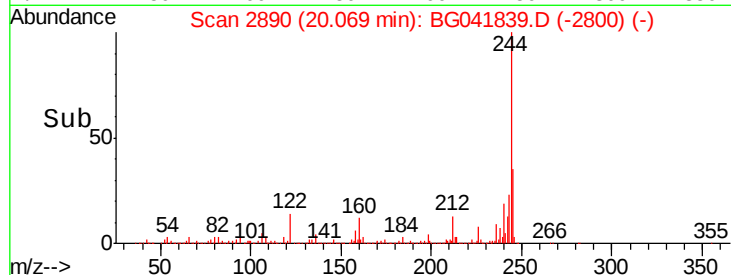
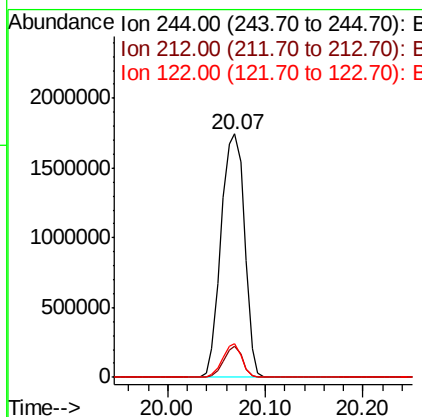
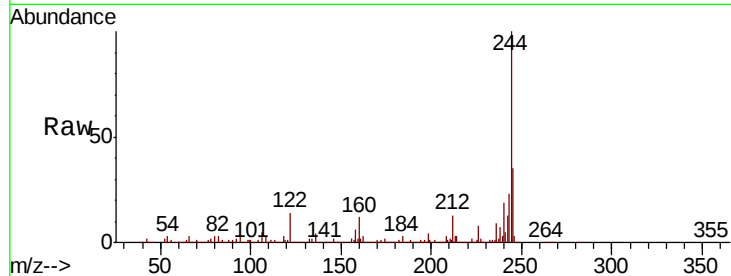
#79
 Terphenyl-d14
 Concen: 96.105 ng
 RT: 20.07 min Scan# 2890
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	13.0	9.7	14.5
122	13.9	12.5	18.7

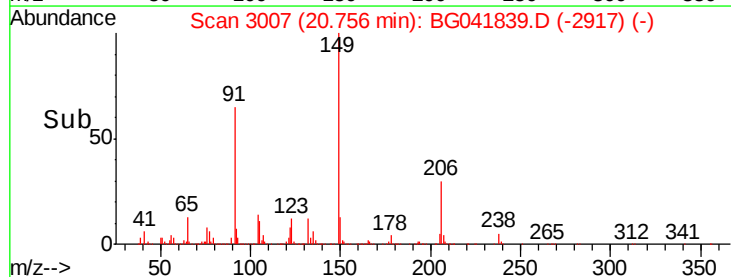
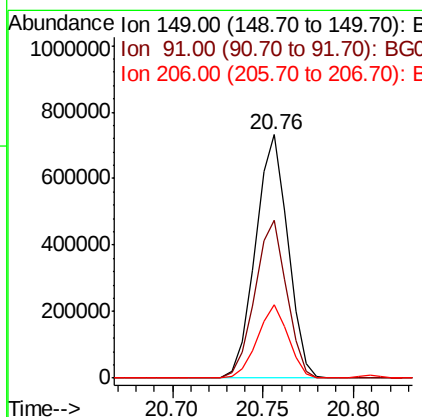
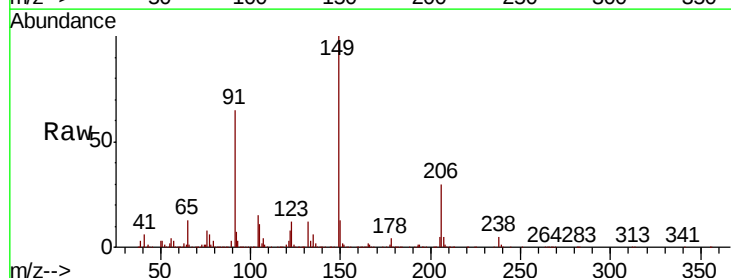
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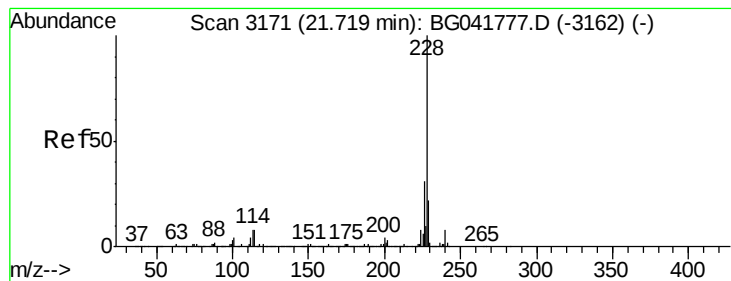
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#80
 Butylbenzylphthalate
 Concen: 57.300 ng
 RT: 20.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.9	58.9	88.3
206	29.9	20.8	31.2





#81

Benzo(a)anthracene

Concen: 48.537 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:228 Resp: 1996905

Ion Ratio Lower Upper

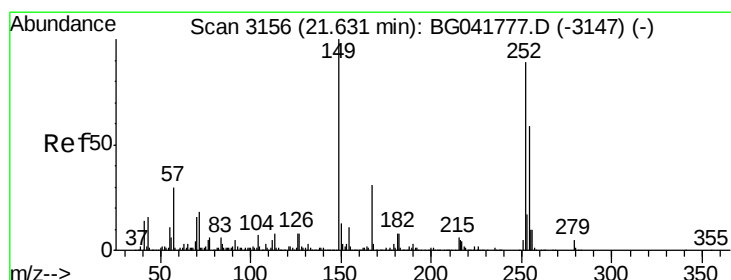
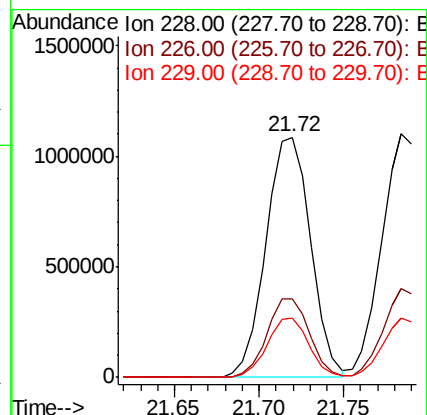
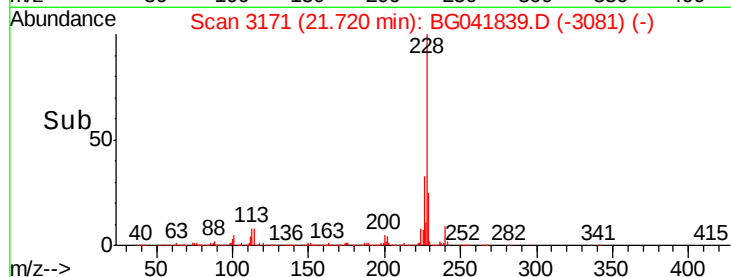
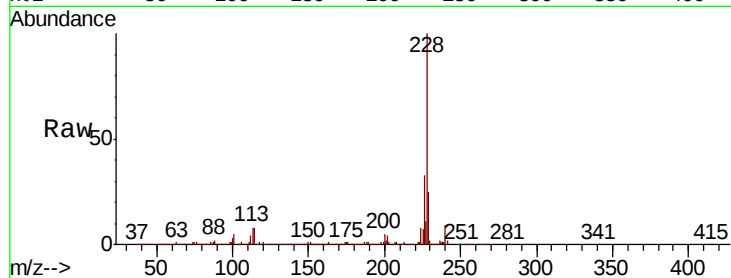
228 100

226 32.9 27.3 40.9

229 24.8 19.7 29.5

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#82

3,3'-Dichlorobenzidine

Concen: 22.919 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

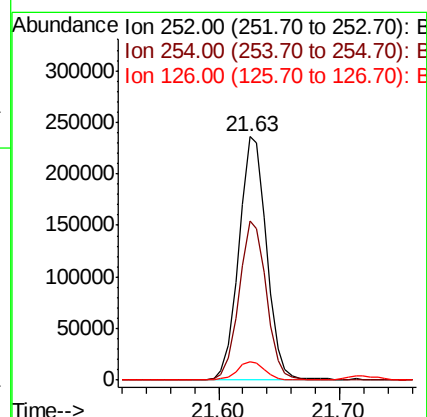
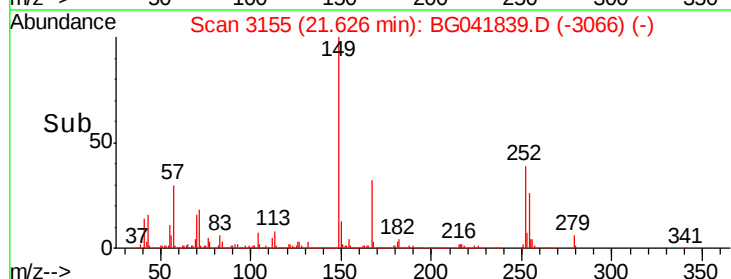
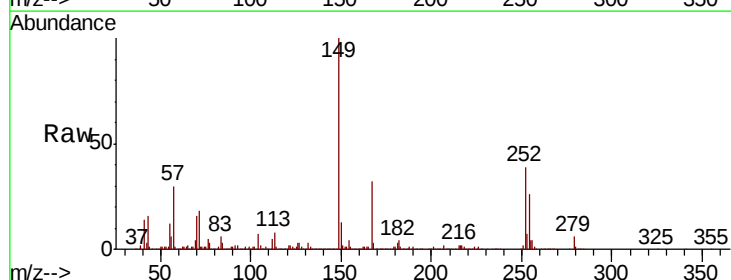
Tgt Ion:252 Resp: 378576

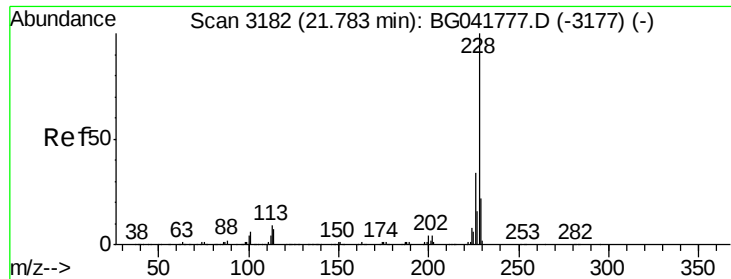
Ion Ratio Lower Upper

252 100

254 65.3 53.8 80.6

126 7.6 7.8 11.8#





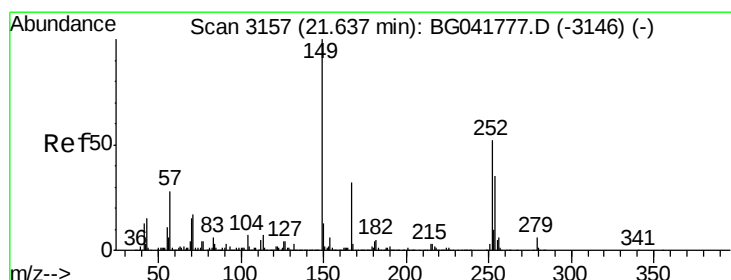
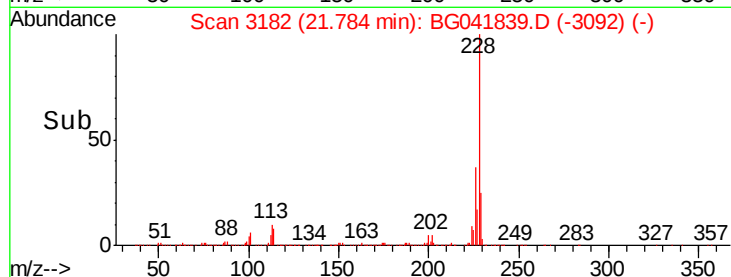
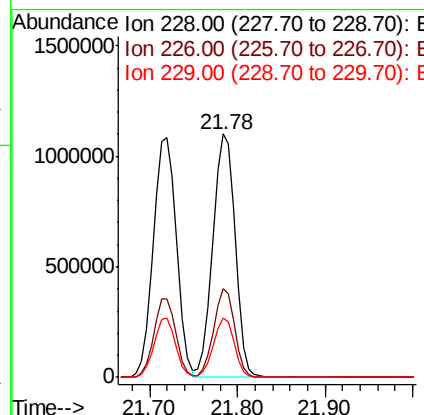
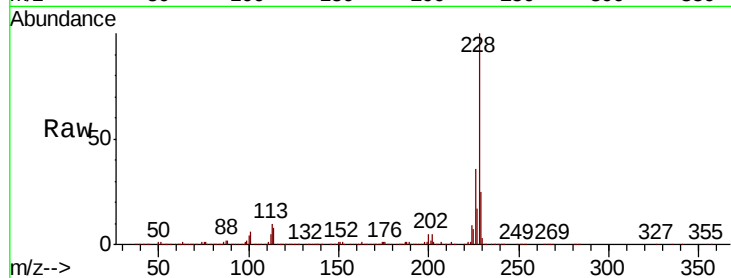
#83
 Chrvsene
 Concen: 49.692 ng
 RT: 21.78 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.5	30.1	45.1
229	24.6	19.8	29.6

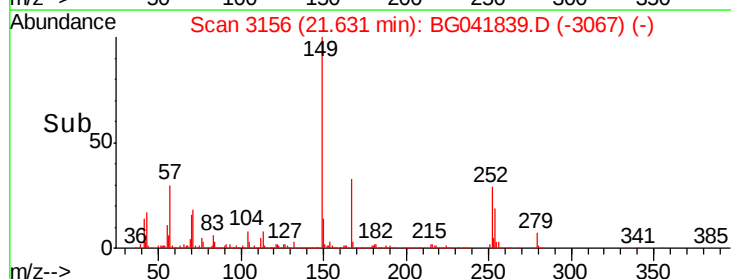
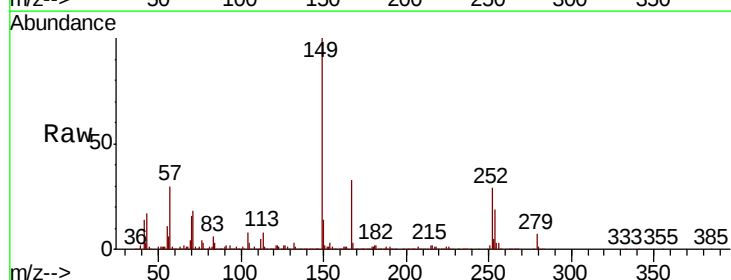
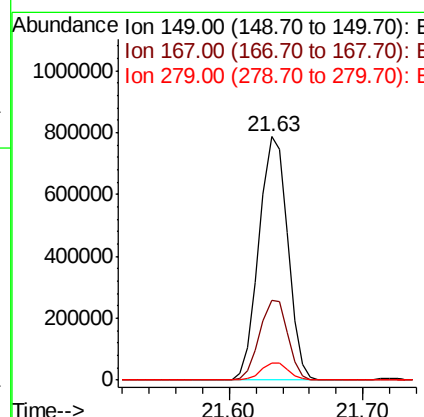
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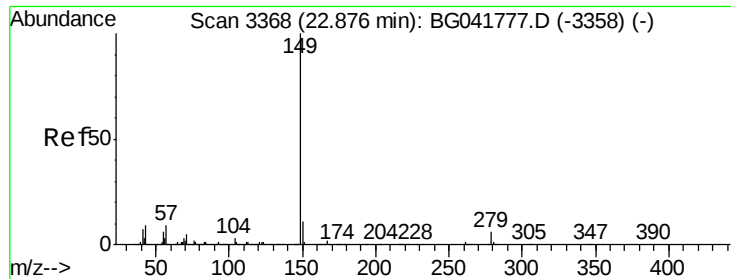
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.616 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG041839.D
 Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.6	27.0	40.4
279	6.8	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 50.162 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:149 Resp: 1839481

Ion Ratio Lower Upper

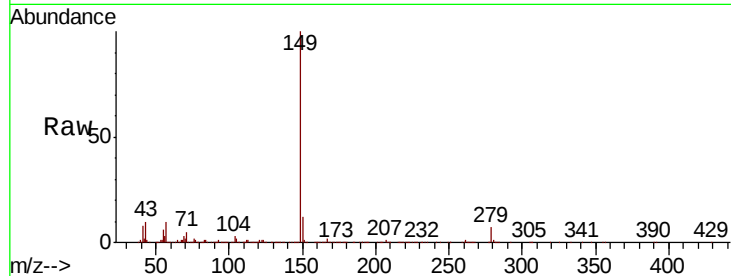
149 100

167 2.1 1.6 2.4

43 9.5 10.6 16.0#

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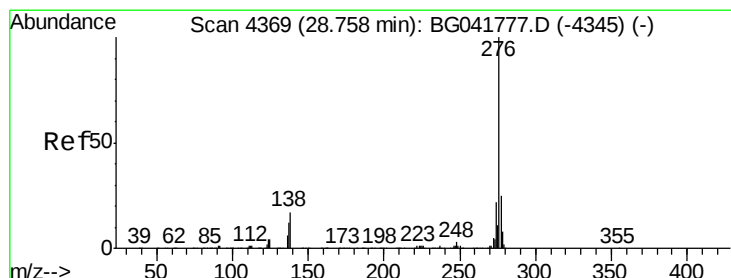
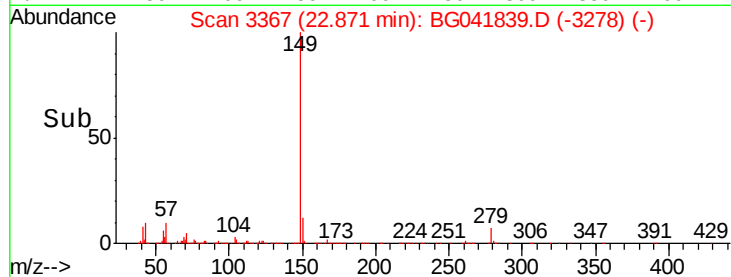
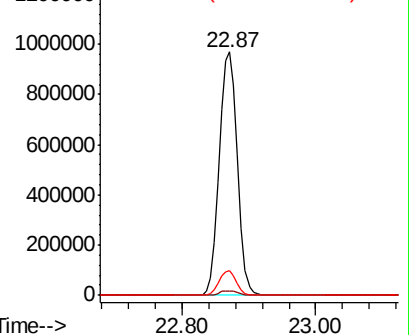
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 48.486 ng

RT: 28.76 min Scan# 4369

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

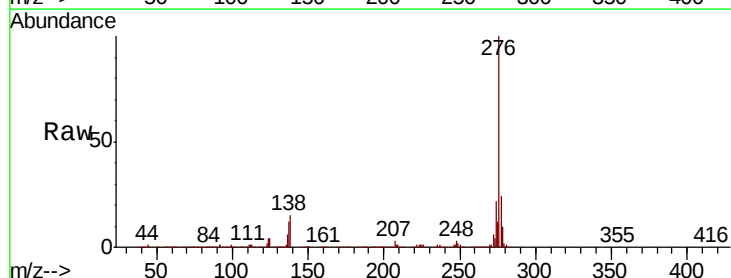
Tgt Ion:276 Resp: 2531269

Ion Ratio Lower Upper

276 100

138 18.9 19.4 29.0#

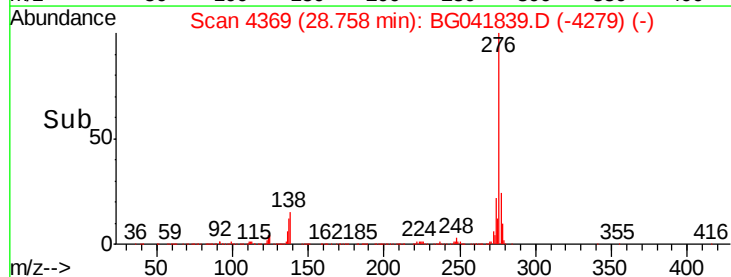
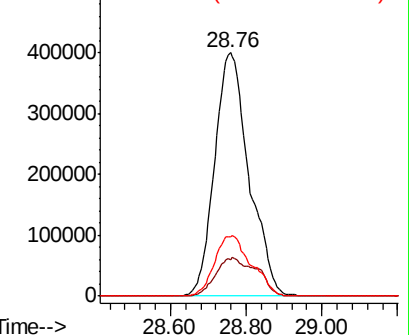
277 26.4 21.2 31.8

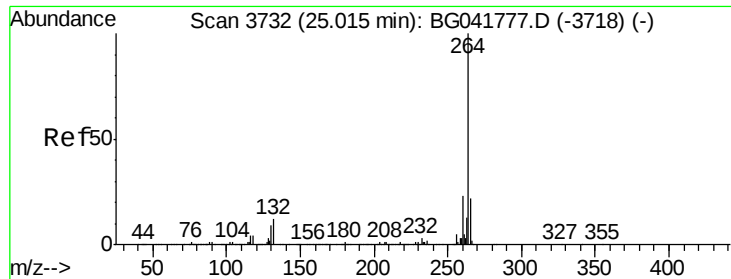


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

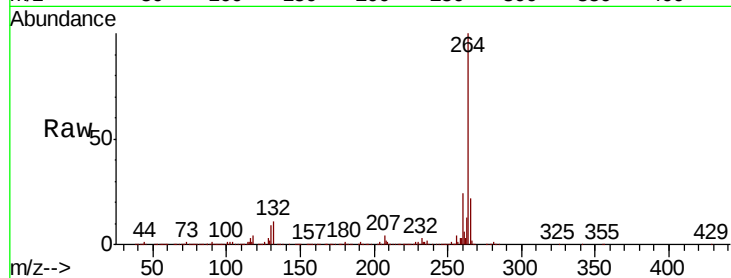
ClientSampleId :

OK-01-072919MSD

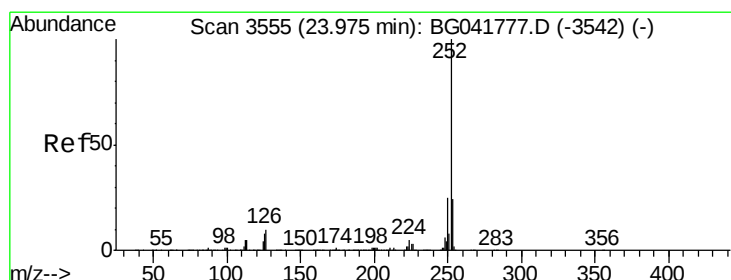
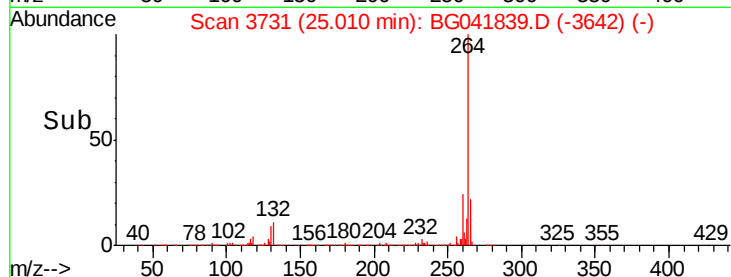
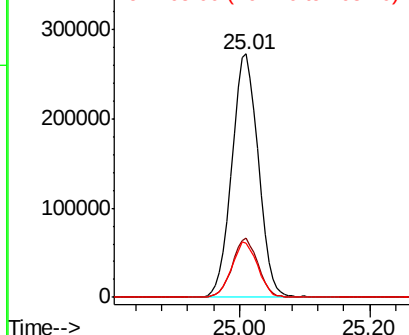
Tot Ion:	264	Resp:	770428
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	22.3	18.0	27.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 49.965 ng

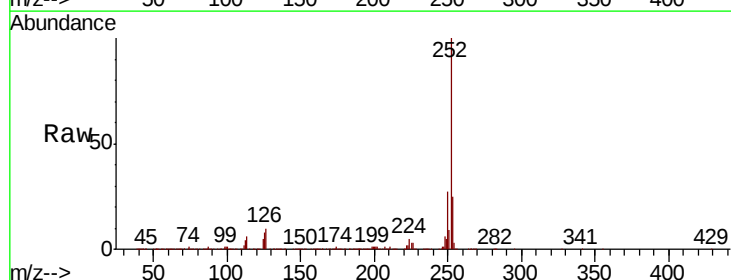
RT: 23.97 min Scan# 3554

Delta R.T. -0.01 min

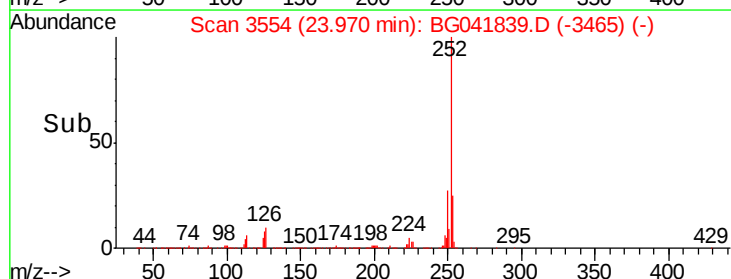
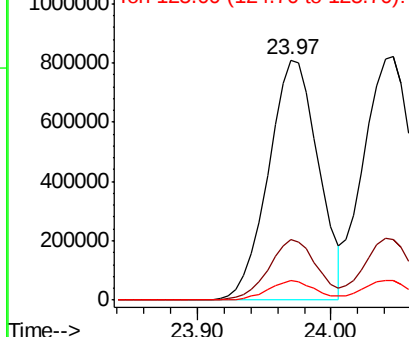
Lab File: BG041839.D

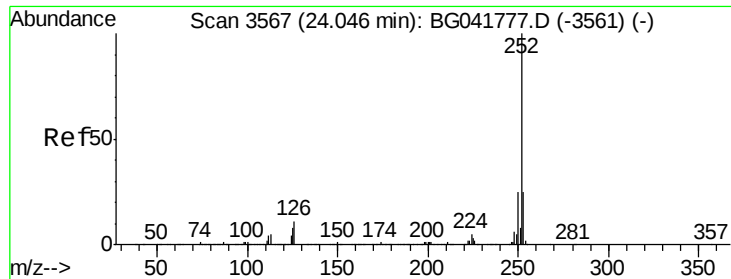
Acq: 31 Jul 2019 18:50

Tgt Ion:	252	Resp:	2105807
Ion Ratio	Lower	Upper	
252	100		
253	25.2	20.6	30.8
125	8.1	8.0	12.0



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





#89

Benzo(k)fluoranthene

Concen: 50.348 ng

RT: 24.05 min Scan# 3567

Delta R.T. 0.00 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:252 Resp: 2067001

Ion Ratio Lower Upper

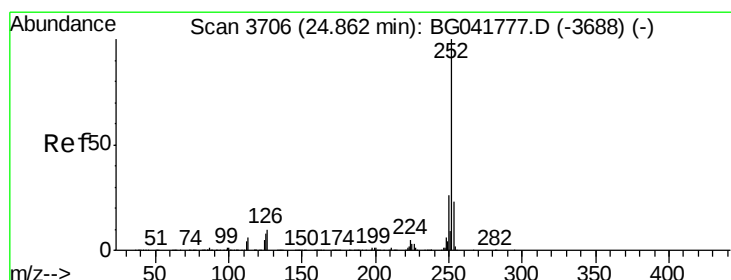
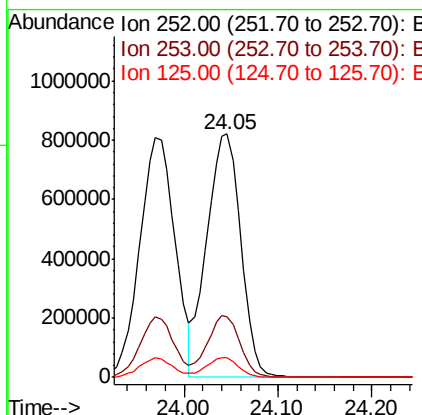
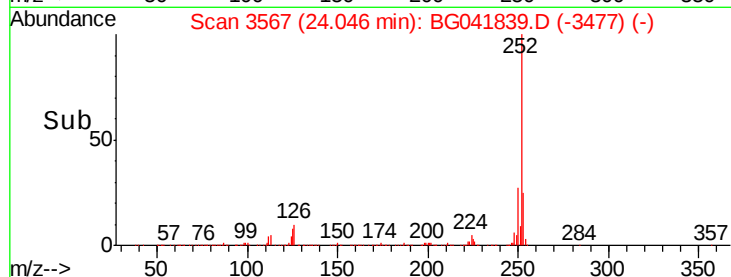
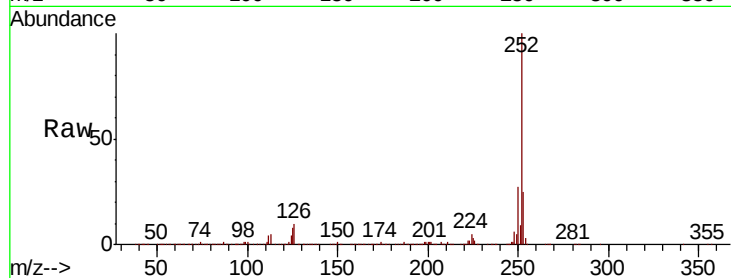
252 100

253 24.7 20.5 30.7

125 7.8 8.4 12.6#

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#90

Benzo(a)pyrene

Concen: 51.870 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG041839.D

Acq: 31 Jul 2019 18:50

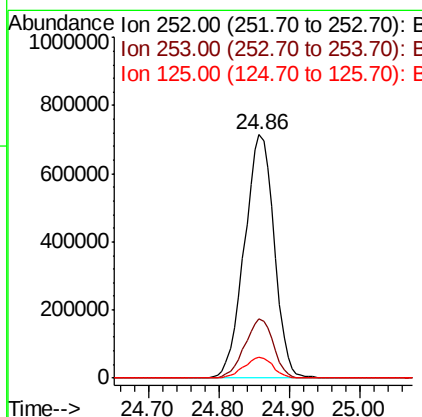
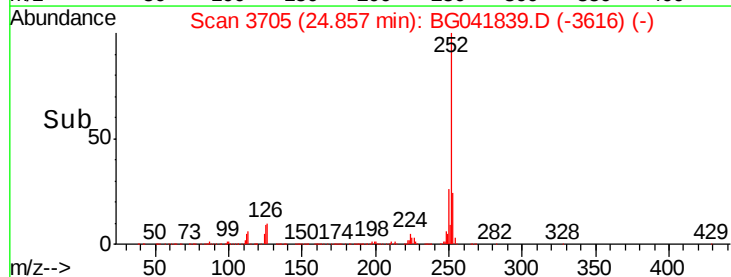
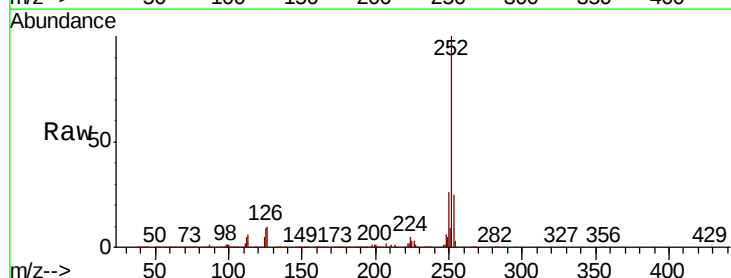
Tgt Ion:252 Resp: 2096622

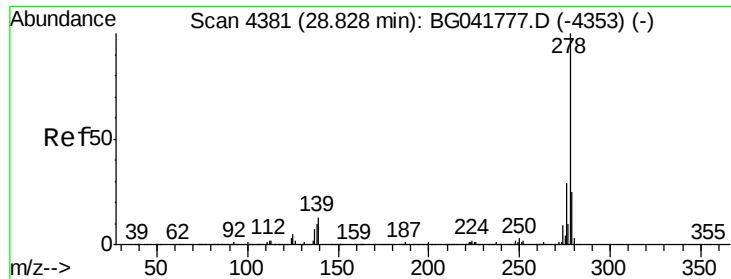
Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

125 8.7 8.8 13.2#





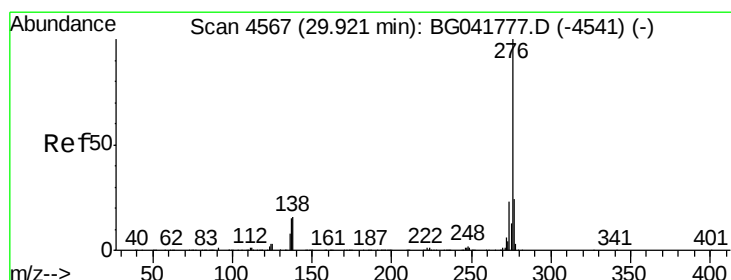
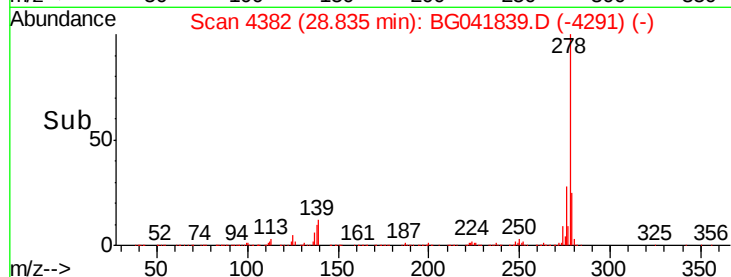
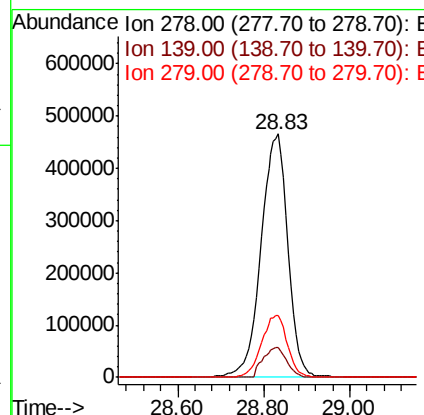
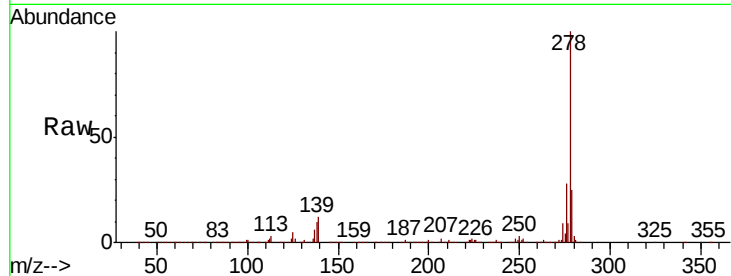
#91
Dibenzo(a,h)anthracene
Concen: 51.958 ng
RT: 28.83 min Scan# 4382
Delta R.T. 0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.3	12.6	19.0#
279	25.5	20.5	30.7

Manual Integrations
APPROVED

mohammad
8/1/2019 5:10:16 PM



#92
Benzo(g,h,i)perylene
Concen: 53.036 ng
RT: 29.93 min Scan# 4568
Delta R.T. 0.01 min
Lab File: BG041839.D
Acq: 31 Jul 2019 18:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.8	29.8
138	16.9	16.6	25.0

