

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061219\
 Data File : BG041207.D
 Acq On : 12 Jun 2019 15:39
 Operator : HP/JU
 Sample : K3283-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Manual Integrations
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mohammad
 6/14/2019 8:36:40 AM

Quant Time: Jun 13 07:39:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	44062	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	179742	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	134537	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	334518	20.00	ng	0.00
76) Chrysene-d12	21.76	240	329721	20.00	ng	0.00
87) Perylene-d12	25.09	264	346220	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	413953	169.41	ng	0.00
7) Phenol-d6	7.26	99	634029	168.01	ng	0.01
23) Nitrobenzene-d5	9.29	82	437507	108.06	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	349450	174.96	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	948395	101.52	ng	0.00
79) Terphenyl-d14	20.07	244	1590247	102.36	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.50	88	36925	33.301	ng	94
3) Pyridine	3.91	79	73576	22.425	ng	97
4) n-Nitrosodimethylamine	3.83	42	66793	43.864	ng	83
6) Aniline	7.43	93	133438	26.491	ng	95
8) 2-Chlorophenol	7.66	128	137868	47.326	ng	98
9) Benzaldehyde	7.25	77	38433	17.072	ng	87
10) Phenol	7.28	94	190784	47.151	ng	100
11) bis(2-Chloroethyl)ether	7.52	93	126679	43.156	ng	99
12) 1,3-Dichlorobenzene	7.99	146	142142	40.853	ng	95
13) 1,4-Dichlorobenzene	8.14	146	147416	41.857	ng	97
14) 1,2-Dichlorobenzene	8.46	146	143940	42.093	ng	99
15) Benzyl Alcohol	8.35	79	160932	46.101	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.63	45	189782	39.566	ng	94
17) 2-Methylphenol	8.54	107	130530	44.555	ng	97
18) Hexachloroethane	9.19	117	54225	39.948	ng	90
19) n-Nitroso-di-n-propylamine	8.91	70	120237	41.402	ng	97
20) 3+4-Methylphenols	8.87	107	181026	44.608	ng	98
22) Acetophenone	8.94	105	235522	46.711	ng	# 96
24) Nitrobenzene	9.33	77	196315	47.579	ng	99
25) Isophorone	9.84	82	351088	45.565	ng	98
26) 2-Nitrophenol	10.04	139	86454	50.826	ng	# 89
27) 2,4-Dimethylphenol	10.08	122	148520	52.867	ng	96
28) bis(2-Chloroethoxy)methane	10.32	93	181256	43.585	ng	96
29) 2,4-Dichlorophenol	10.57	162	175938	49.318	ng	94
30) 1,2,4-Trichlorobenzene	10.78	180	184413	45.441	ng	98
31) Naphthalene	10.98	128	450625	46.694	ng	99
32) Benzoic acid	10.19	122	27723	18.672	ng	92
33) 4-Chloroaniline	11.09	127	123139	27.500	ng	94
34) Hexachlorobutadiene	11.24	225	129023	41.550	ng	94
35) Caprolactam	11.89	113	51626m	43.823	ng	
36) 4-Chloro-3-methylphenol	12.19	107	196344	48.191	ng	99
37) 2-Methylnaphthalene	12.57	142	346702	46.646	ng	98
38) 1-Methylnaphthalene	12.79	142	328484	46.899	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	260593	48.057	ng	99

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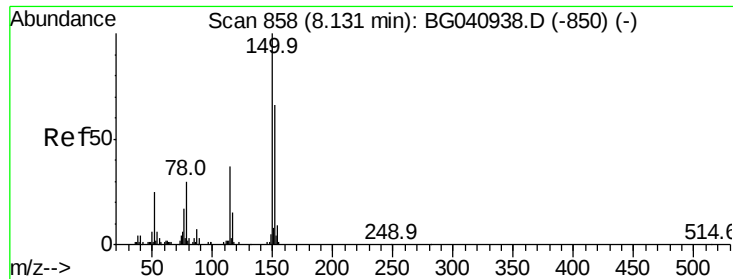
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.90	237	284660	95.840	nq	98
43) 2,4,6-Trichlorophenol	13.18	196	171222	48.810	nq	92
44) 2,4,5-Trichlorophenol	13.25	196	182037	49.205	nq	98
46) 1,1'-Biphenyl	13.57	154	475826	47.780	nq	99
47) 2-Chloronaphthalene	13.62	162	398360	46.595	nq	99
48) 2-Nitroaniline	13.83	65	145277	47.367	nq	97
49) Acenaphthylene	14.47	152	610531	47.448	nq	99
50) Dimethylphthalate	14.19	163	628243	55.164	nq	99
51) 2,6-Dinitrotoluene	14.32	165	117892	48.012	nq	97
52) Acenaphthene	14.80	154	357164	45.820	nq	95
53) 3-Nitroaniline	14.66	138	98485	40.110	nq	97
54) 2,4-Dinitrophenol	14.86	184	76493	65.306	nq	93
55) Dibenzofuran	15.13	168	623947	47.571	nq	99
56) 4-Nitrophenol	14.96	139	168568	100.089	nq	90
57) 2,4-Dinitrotoluene	15.10	165	171044	49.313	nq	98
58) Fluorene	15.78	166	488524	46.769	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	193392	53.192	nq	97
60) Diethylphthalate	15.54	149	530689	45.661	nq	100
61) 4-Chlorophenyl-phenylether	15.77	204	310250	45.696	nq	94
62) 4-Nitroaniline	15.82	138	113984	43.849	nq	97
63) Azobenzene	16.06	77	483736	45.793	nq	98
65) 4,6-Dinitro-2-methylphenol	15.86	198	89823	49.732	nq	96
66) n-Nitrosodiphenylamine	15.98	169	453372	48.212	nq	98
67) 4-Bromophenyl-phenylether	16.66	248	201710	44.681	nq	96
68) Hexachlorobenzene	16.78	284	211544	44.006	nq	100
69) Atrazine	16.92	200	192614	53.084	nq	99
70) Pentachlorophenol	17.12	266	243169	93.660	nq	98
71) Phenanthrene	17.52	178	835602	47.956	nq	100
72) Anthracene	17.62	178	833434	48.497	nq	98
73) Carbazole	17.89	167	731883	49.634	nq	99
74) Di-n-butylphthalate	18.42	149	825132	45.023	nq	97
75) Fluoranthene	19.53	202	1097680	51.002	nq	99
77) Benzidine	19.71	184	91810	11.672	nq	96
78) Pyrene	19.89	202	1088497	50.784	nq	99
80) Butylbenzylphthalate	20.76	149	385668	46.236	nq	97
81) Benzo(a)anthracene	21.74	228	1032930	47.062	nq	100
82) 3,3'-Dichlorobenzidine	21.65	252	267072	34.596	nq	98
83) Chrysene	21.81	228	1021795	48.649	nq	99
84) Bis(2-ethylhexyl)phthalate	21.61	149	598685	50.986	nq	99
85) Di-n-octyl phthalate	22.84	149	933400	47.730	nq	100
86) Indeno(1,2,3-cd)pyrene	28.89	276	1070259m	41.597	nq	
88) Benzo(b)fluoranthene	24.02	252	1050492	50.025	nq	100
89) Benzo(k)fluoranthene	24.09	252	992774	47.775	nq	99
90) Benzo(a)pyrene	24.93	252	1014913	50.657	nq	96
91) Dibenzo(a,h)anthracene	28.97	278	837285	41.824	nq	97
92) Benzo(g,h,i)perylene	30.10	276	783600	40.290	nq	100

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

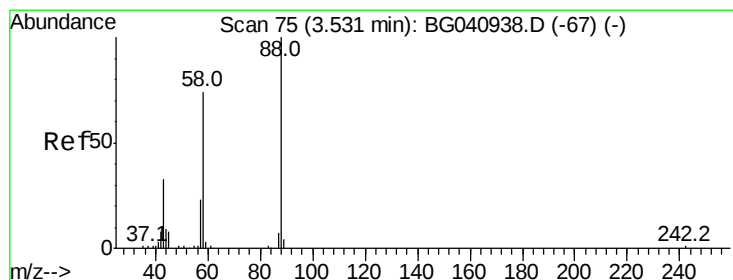
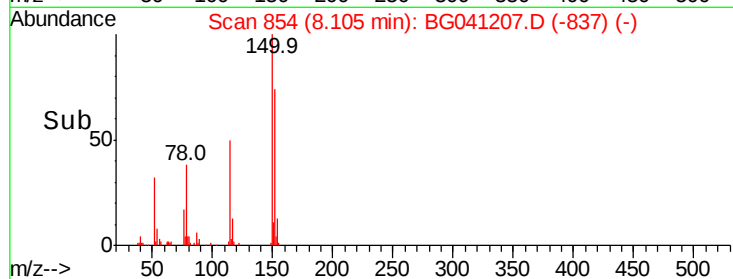
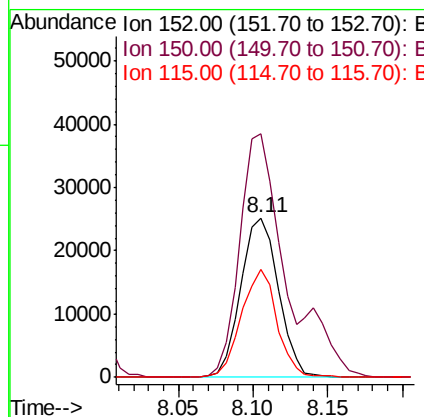
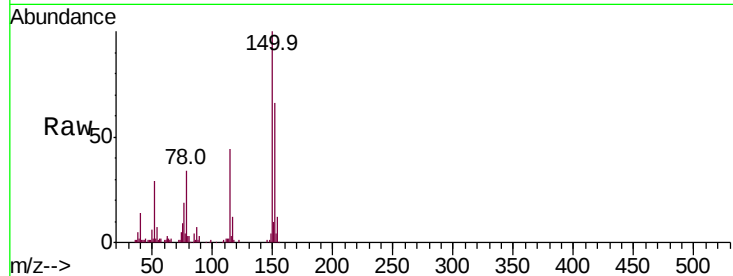
ClientSampleId :

200030-200034MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	120.6	180.8
115	67.7	45.1	67.7

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#2

1,4-Dioxane

Concen: 33.301 ng

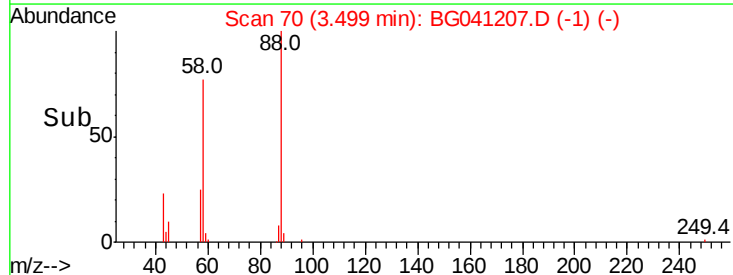
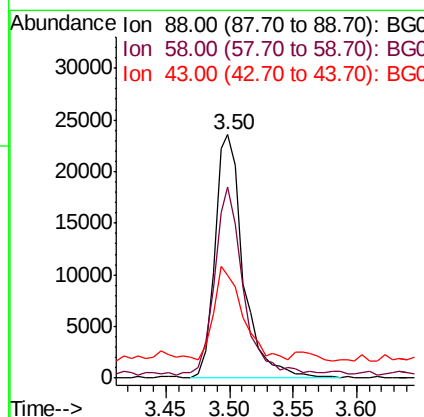
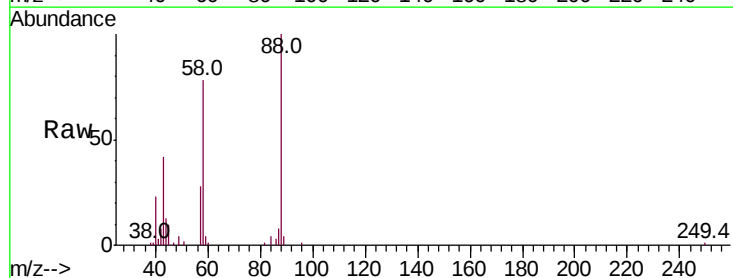
RT: 3.50 min Scan# 70

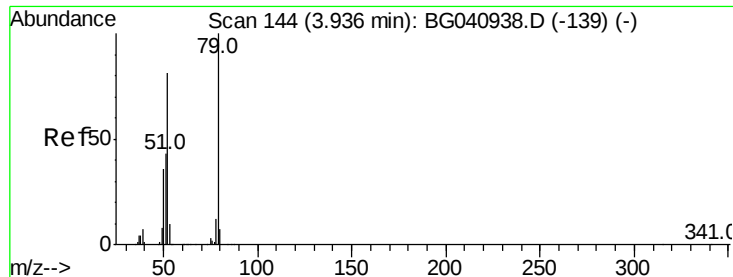
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.7	59.0	88.6
43	38.9	27.2	40.8





#3

Pvridine

Concen: 22.425 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

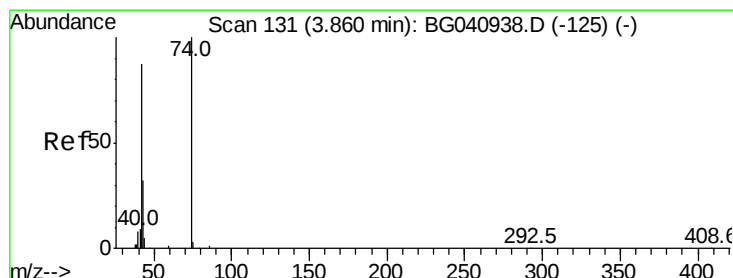
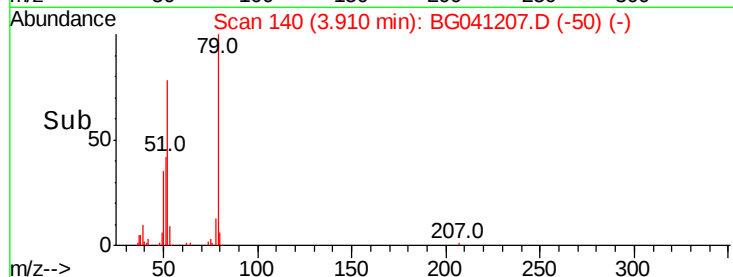
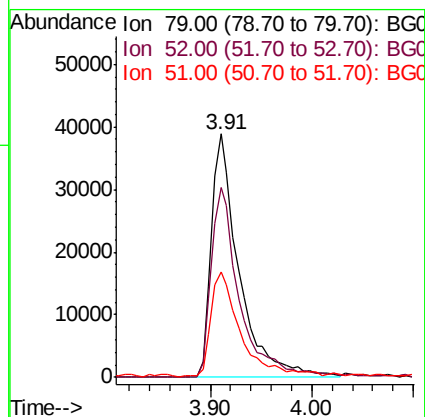
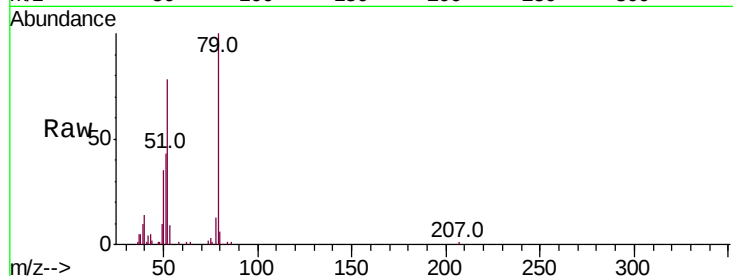
ClientSampleId :

200030-200034MSD

Tot Ion:	79	Resp:	73576
Ion Ratio	Lower	Upper	
79	100		
52	78.2	64.8	97.2
51	43.0	35.3	52.9

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#4

n-Nitrosodimethylamine

Concen: 43.864 ng

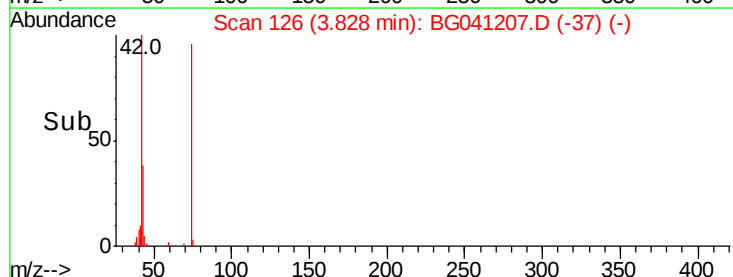
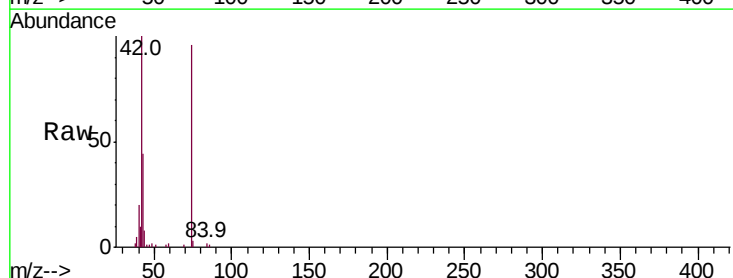
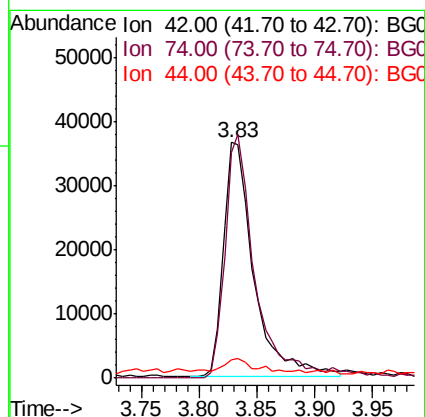
RT: 3.83 min Scan# 126

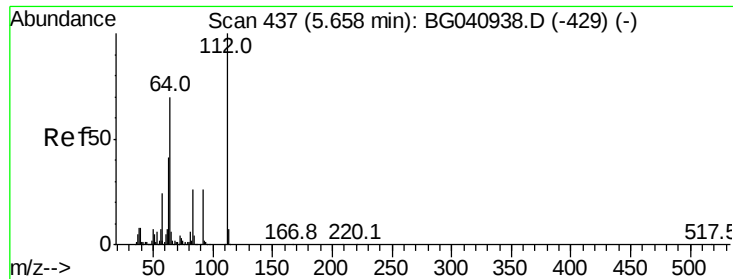
Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	42	Resp:	66793
Ion Ratio	Lower	Upper	
42	100		
74	95.8	91.8	137.6
44	8.0	6.0	9.0





#5

2-Fluorophenol

Concen: 169.408 ng

RT: 5.64 min Scan# 435

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

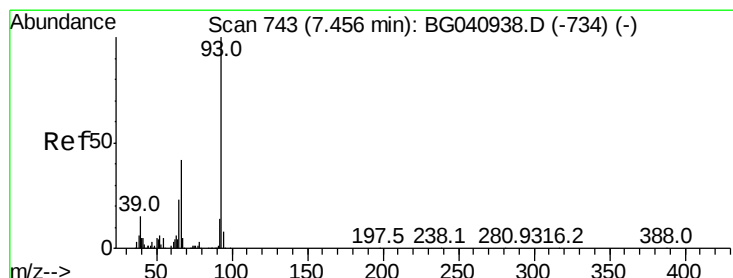
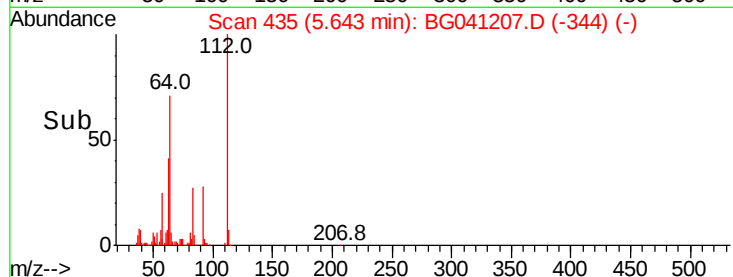
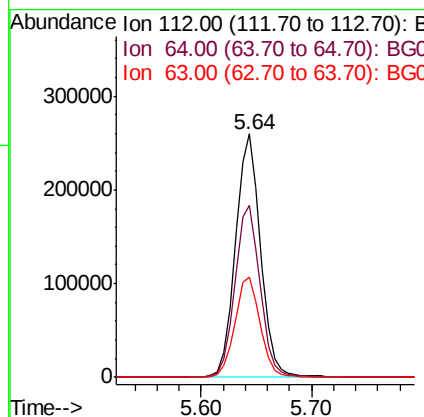
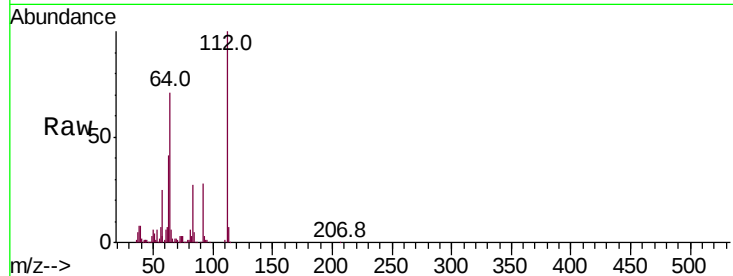
ClientSampleId :

200030-200034MSD

Tot Ion:	112	Resp:	413953
Ion Ratio	Lower	Upper	
112	100		
64	70.7	56.2	84.2
63	41.1	32.8	49.2

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#6

Aniline

Concen: 26.491 ng

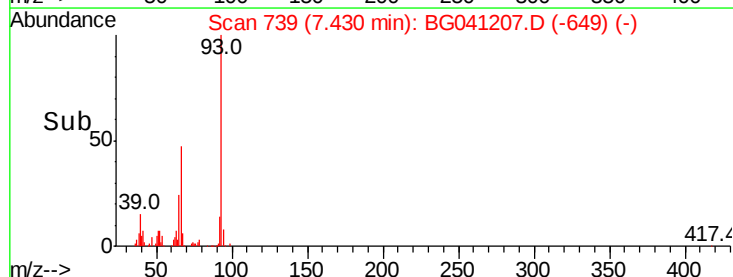
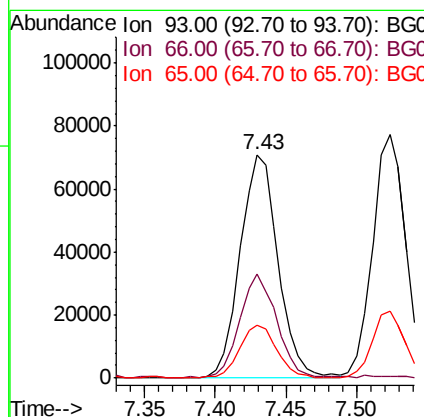
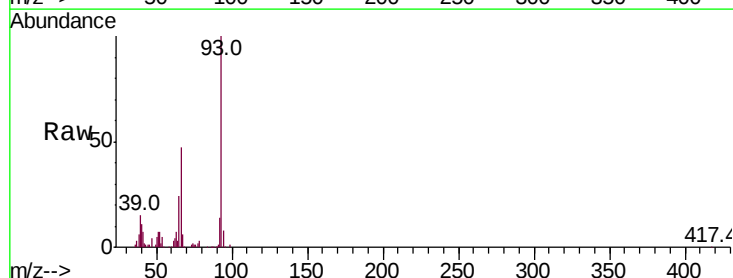
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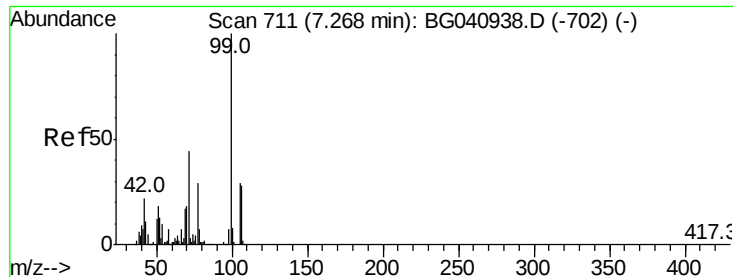
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	93	Resp:	133438
Ion Ratio	Lower	Upper	
93	100		
66	46.8	33.8	50.8
65	23.7	18.3	27.5





#7

Phenol-d6

Concen: 168.009 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

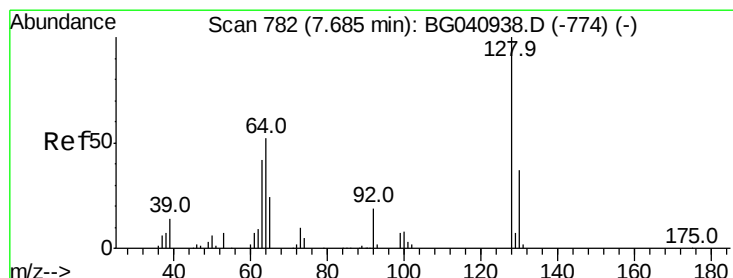
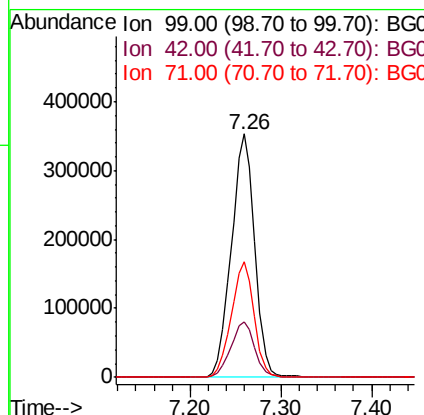
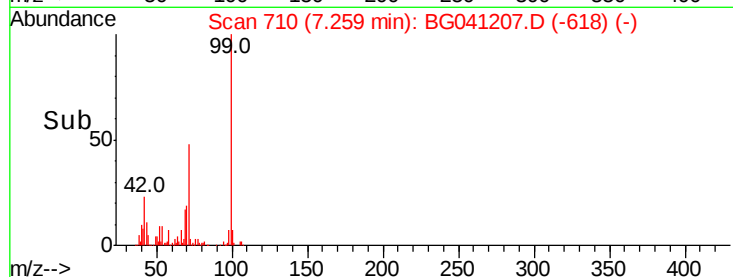
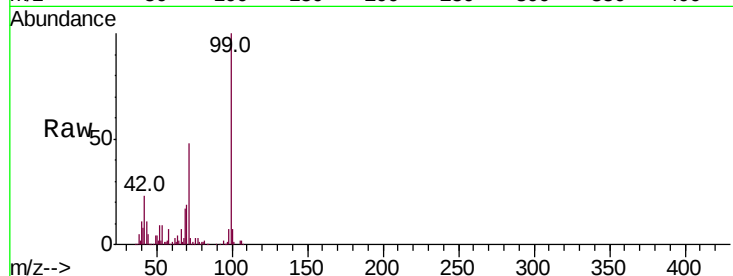
ClientSampleId :

200030-200034MSD

Tot Ion:	99	Resp:	634029
Ion Ratio	Lower	Upper	
99	100		
42	22.8	17.9	26.9
71	47.5	35.4	53.0

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#8

2-Chlorophenol

Concen: 47.326 ng

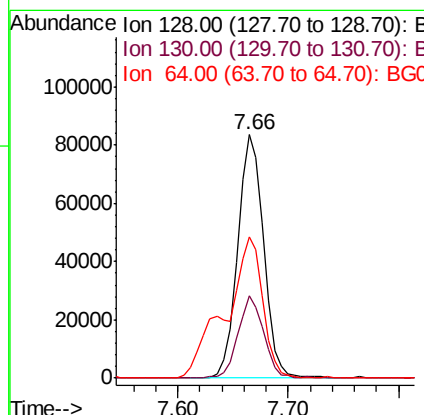
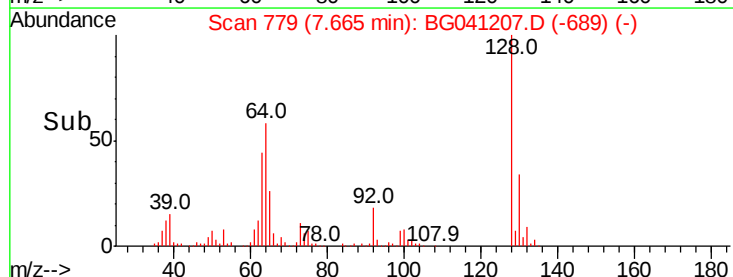
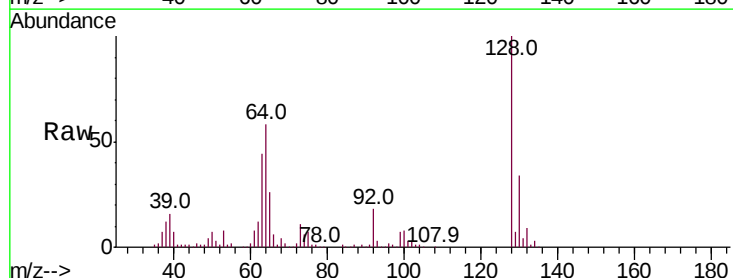
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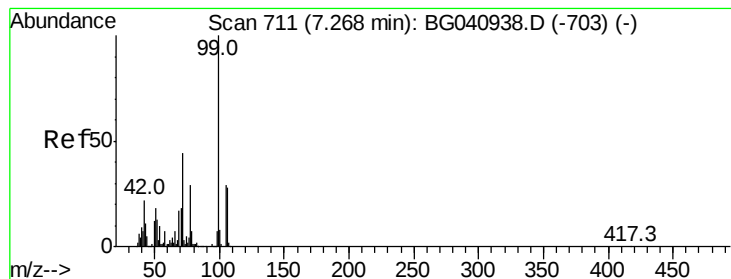
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	128	Resp:	137868
Ion Ratio	Lower	Upper	
128	100		
130	33.6	16.6	56.6
64	57.8	37.8	77.8





#9

Benzaldehyde

Concen: 17.072 ng

RT: 7.25 min Scan# 708

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

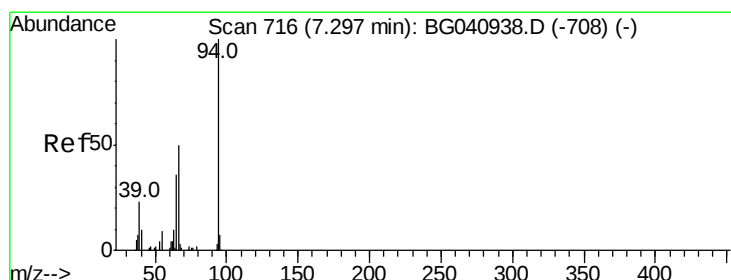
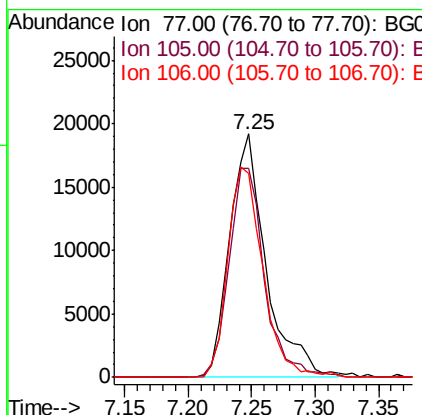
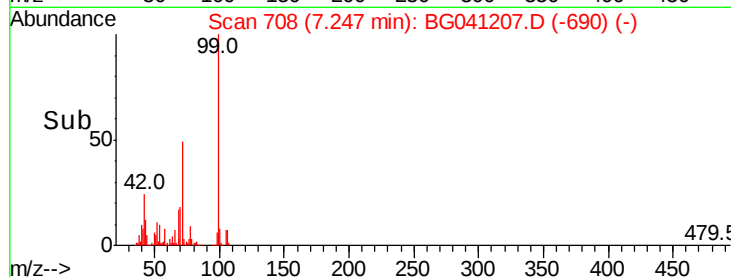
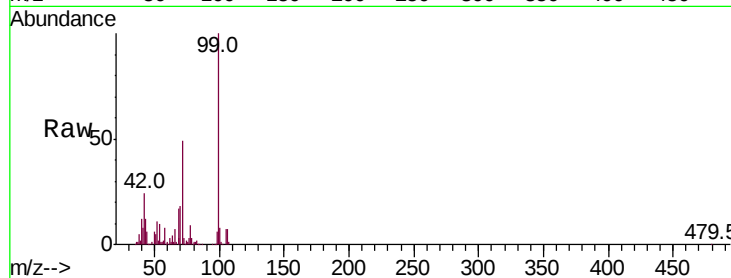
ClientSampleId :

200030-200034MSD

Tot Ion:	77	Resp:	38433
Ion	Ratio	Lower	Upper
77	100		
105	86.0	78.9	118.9
106	83.9	76.7	116.7

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#10

Phenol

Concen: 47.151 ng

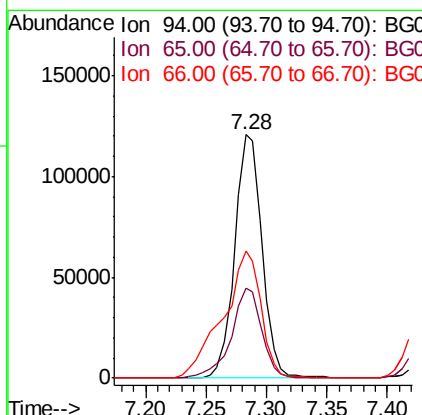
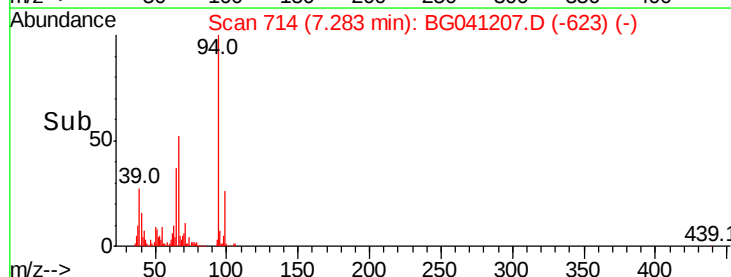
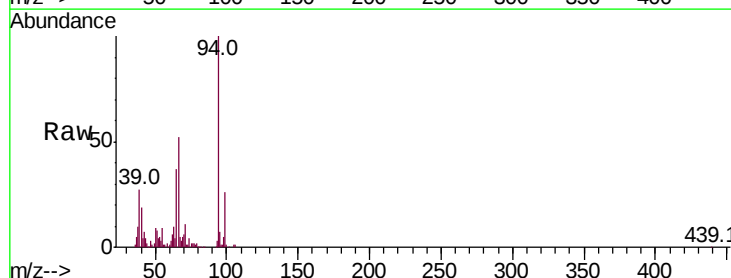
RT: 7.28 min Scan# 714

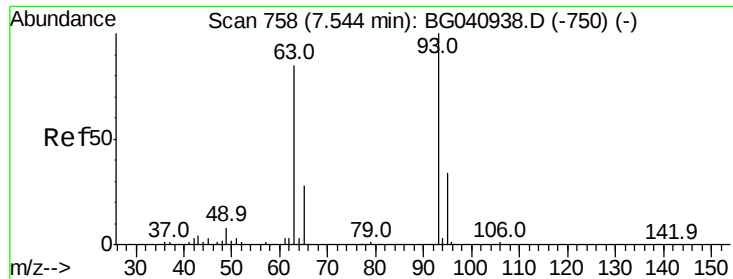
Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	94	Resp:	190784
Ion	Ratio	Lower	Upper
94	100		
65	37.1	17.0	57.0
66	52.0	32.4	72.4





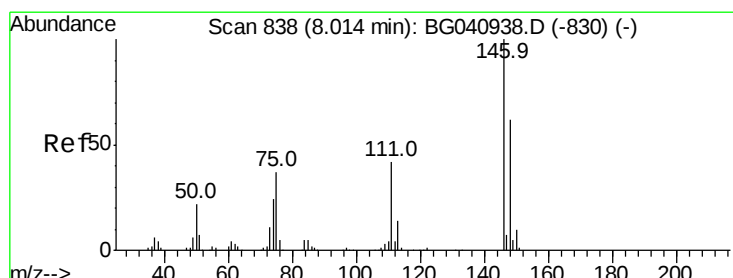
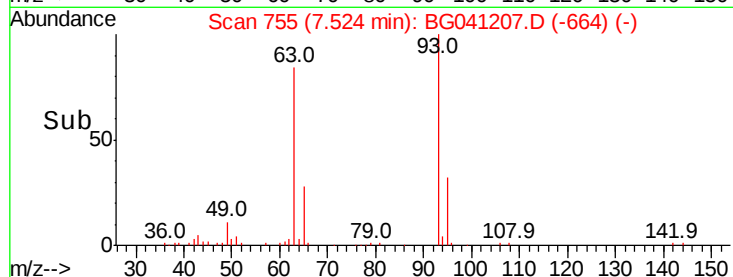
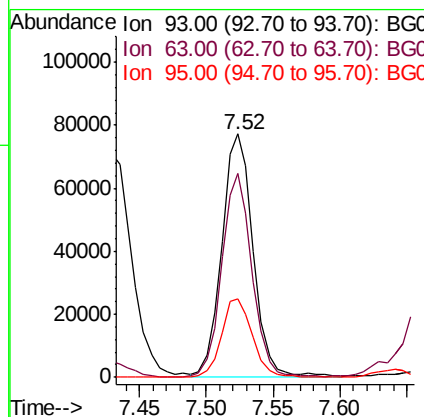
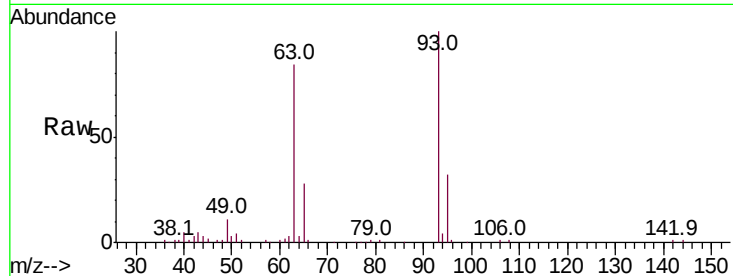
#11
bis(2-Chloroethyl)ether
Concen: 43.156 ng
RT: 7.52 min Scan# 755
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	83.7	64.5	104.5
95	32.2	13.3	53.3

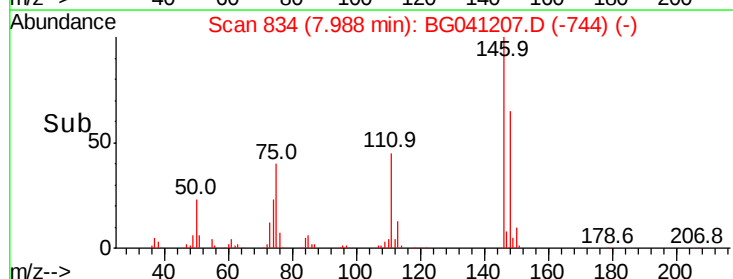
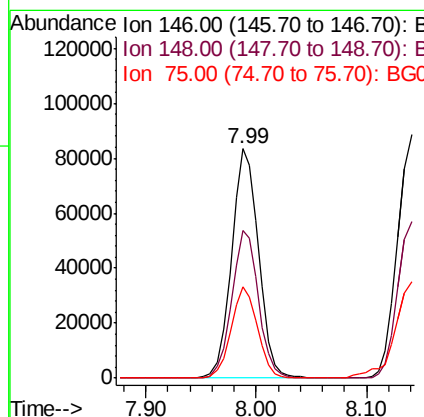
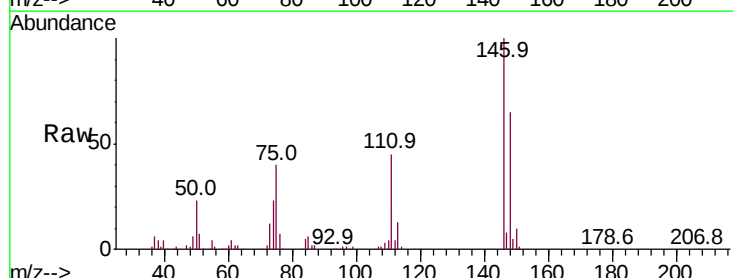
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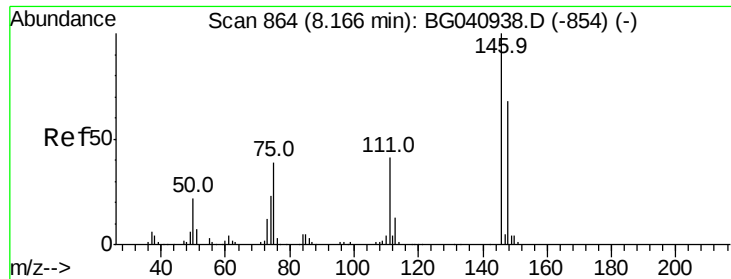
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.853 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	49.2	73.8
75	40.1	29.4	44.0





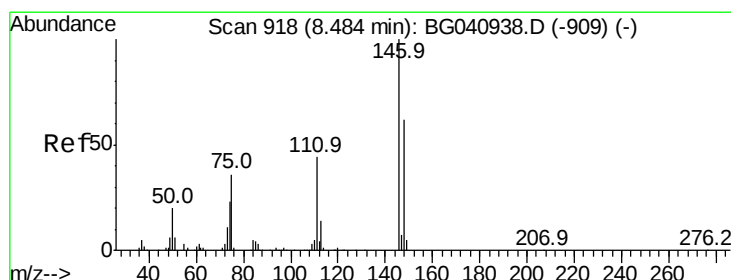
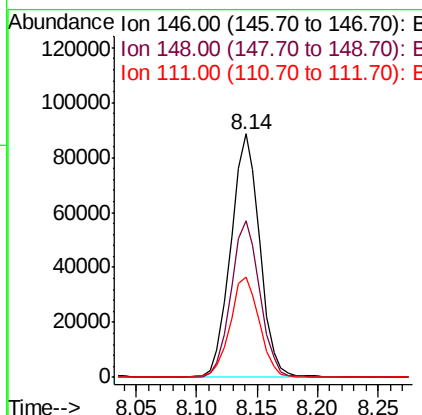
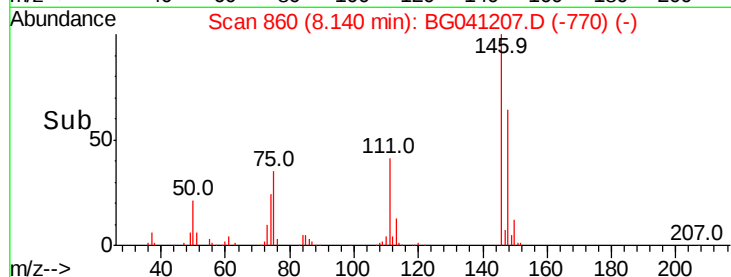
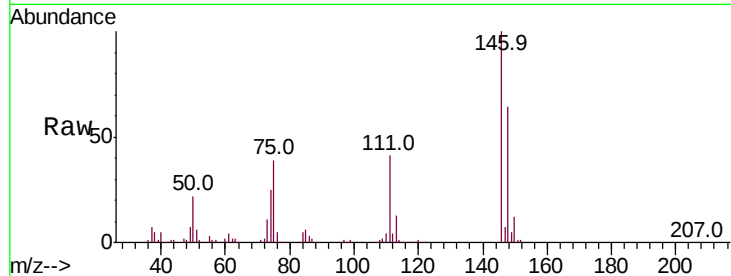
#13
 1,4-Dichlorobenzene
 Concen: 41.857 ng
 RT: 8.14 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	54.2	81.4
111	41.3	32.9	49.3

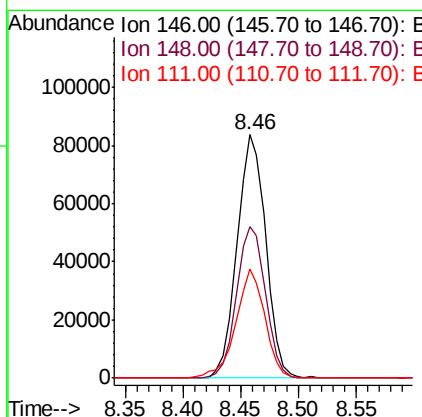
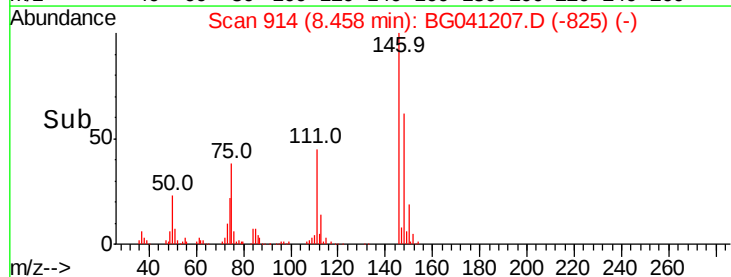
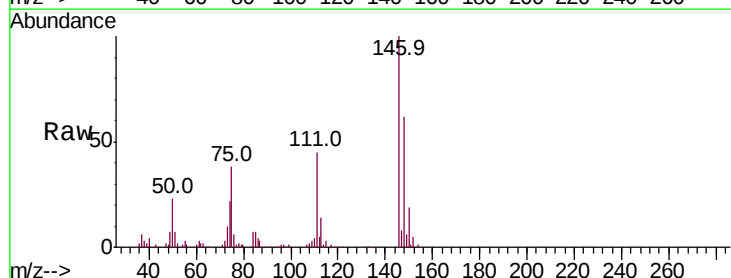
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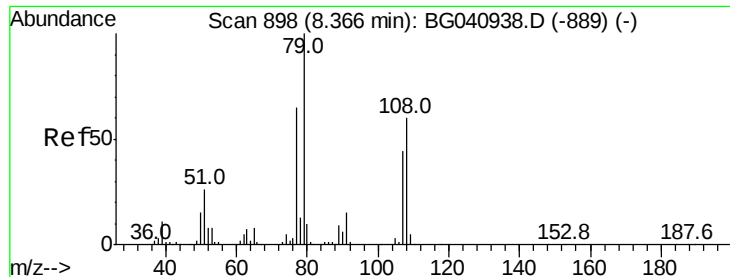
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 42.093 ng
 RT: 8.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.3	49.8	74.6
111	44.6	35.0	52.4





#15

Benzyl Alcohol

Concen: 46.101 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

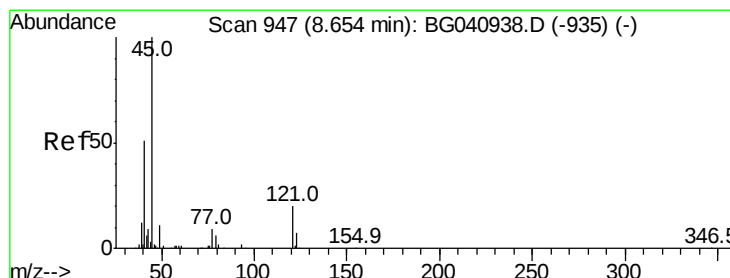
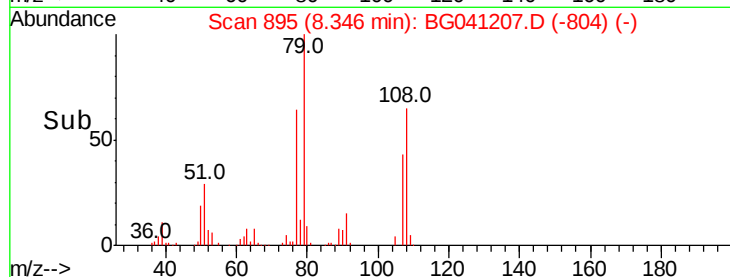
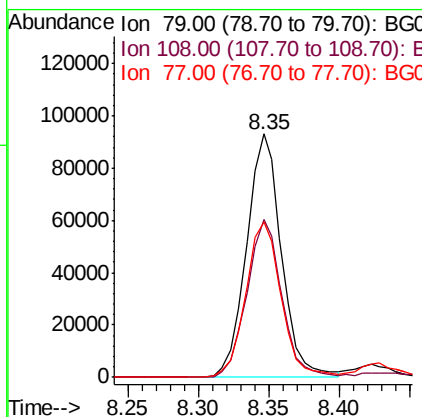
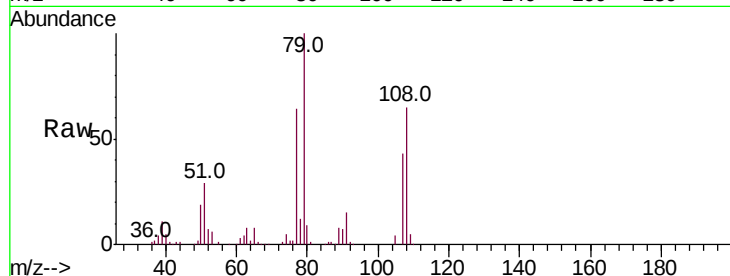
ClientSampleId :

200030-200034MSD

Tot Ion	79	Resp	160932
Ion Ratio	Lower	Upper	
79	100		
108	64.7	48.3	72.5
77	63.7	52.3	78.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.566 ng

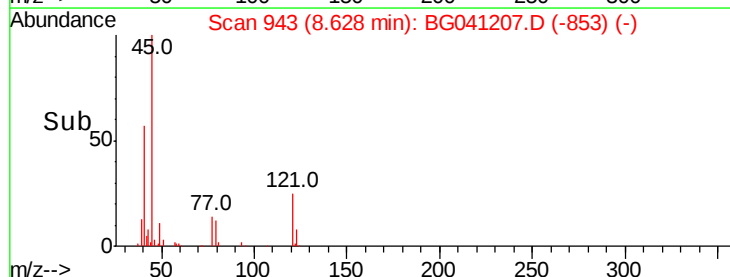
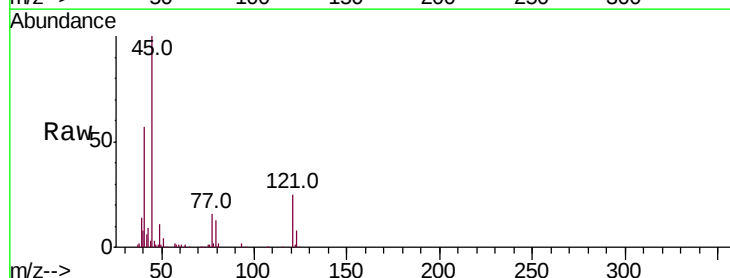
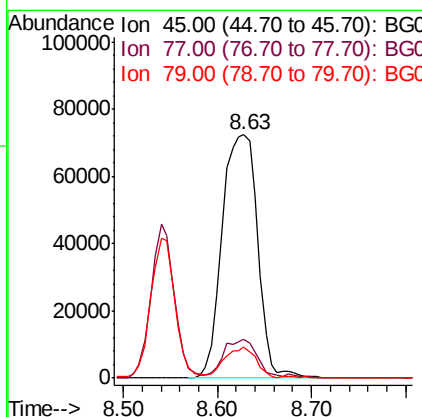
RT: 8.63 min Scan# 943

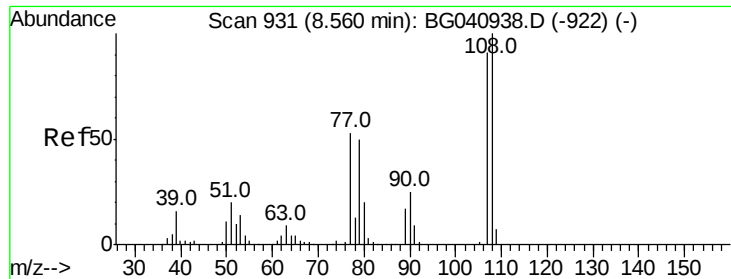
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	45	Resp	189782
Ion Ratio	Lower	Upper	
45	100		
77	16.1	0.0	33.7
79	12.7	0.0	30.2





#17

2-Methylphenol

Concen: 44.555 ng

RT: 8.54 min Scan# 928

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

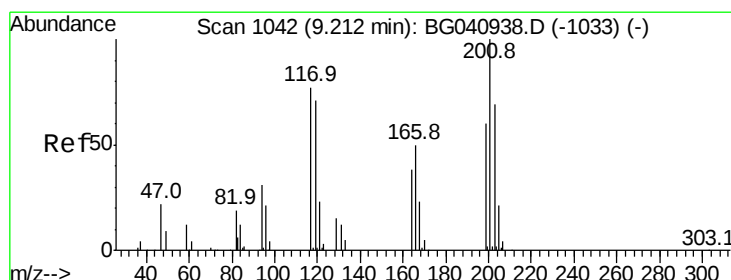
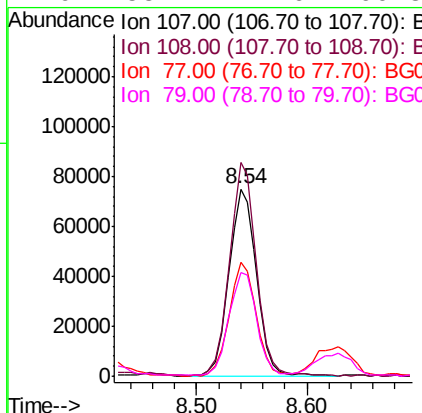
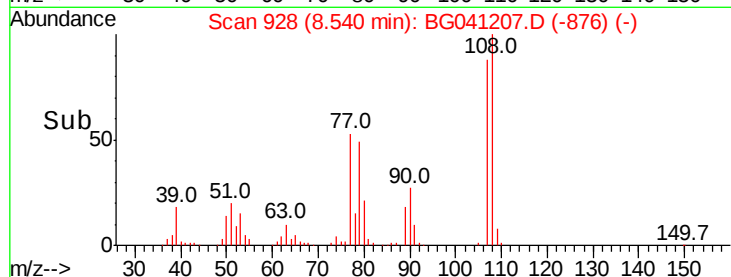
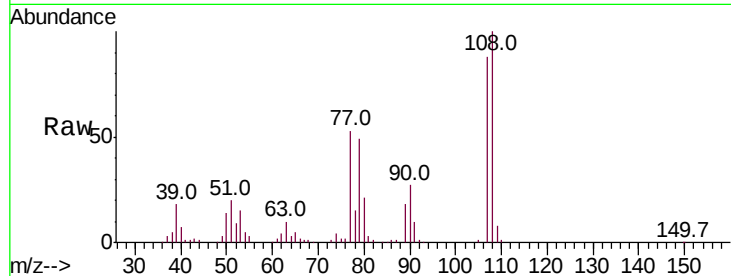
ClientSampleId :

200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.1	87.7	131.5	
77	61.0	46.6	70.0	
79	55.7	44.6	66.8	

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#18

Hexachloroethane

Concen: 39.948 ng

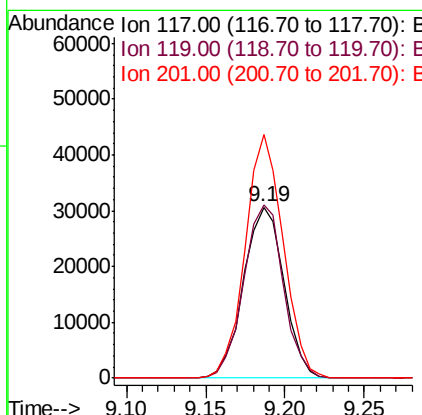
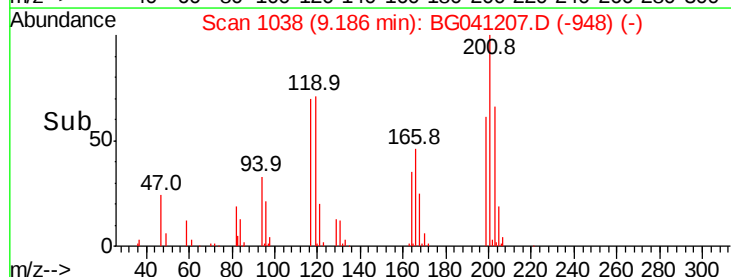
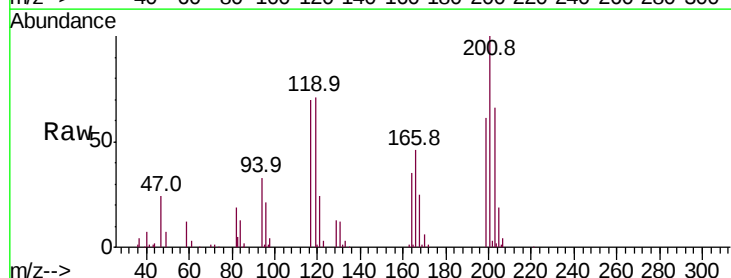
RT: 9.19 min Scan# 1038

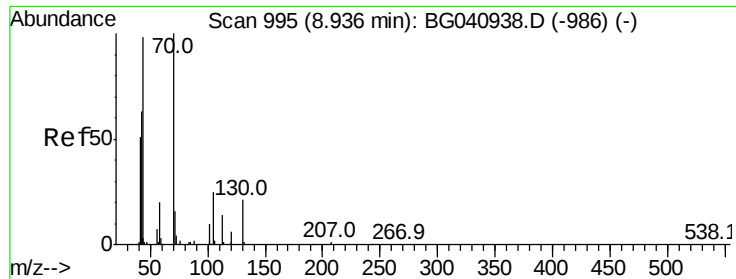
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	101.1	75.0	112.6	
201	142.3	103.5	155.3	





#19

n-Nitroso-di-n-propylamine

Concen: 41.402 ng

RT: 8.91 min Scan# 991

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

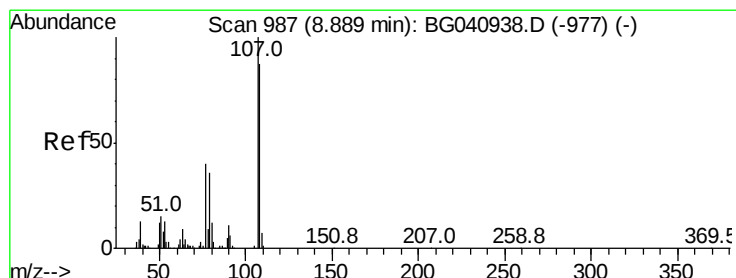
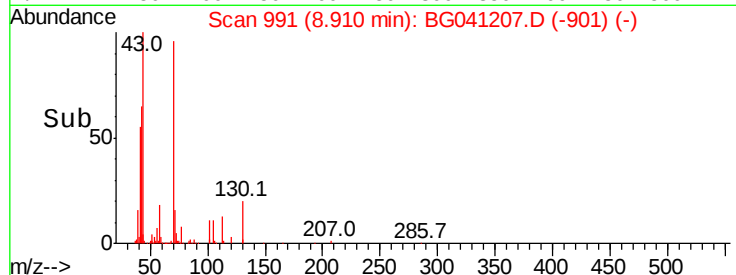
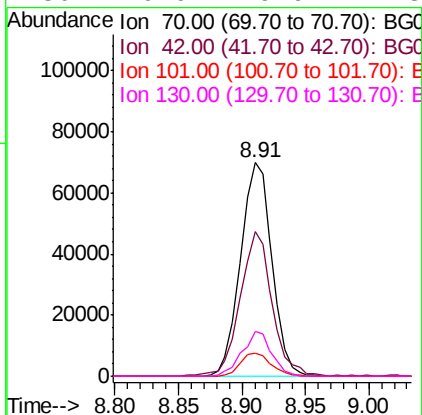
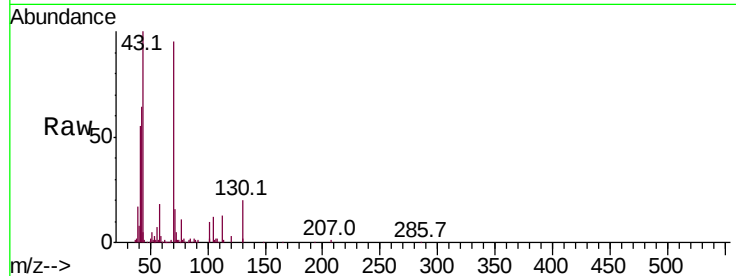
ClientSampleId :

200030-200034MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	67.4	51.5	77.3	
101	11.0	8.1	12.1	
130	20.9	16.6	24.8	

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#20

3+4-Methylphenols

Concen: 44.608 ng

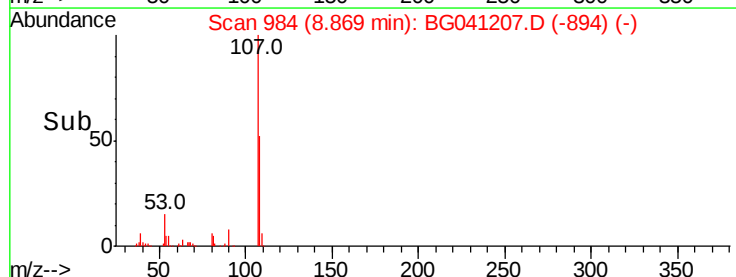
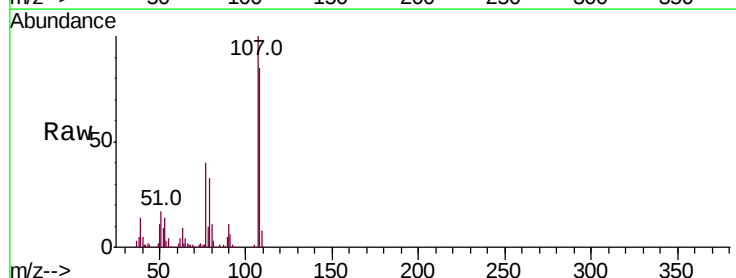
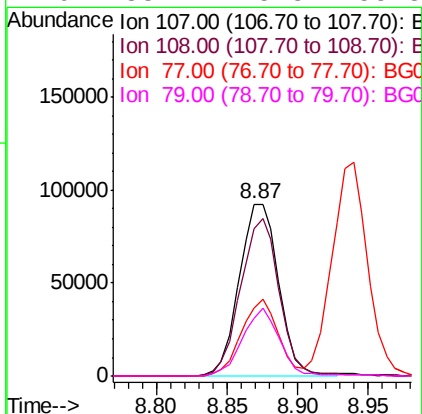
RT: 8.87 min Scan# 984

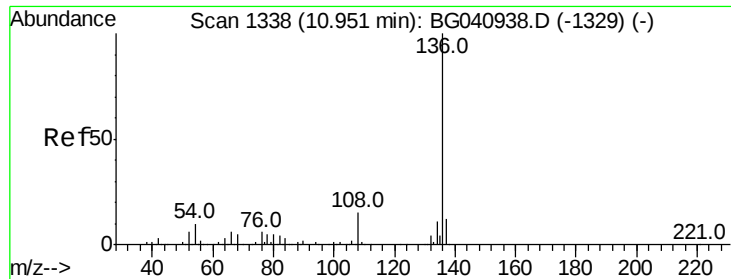
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	85.2	66.8	106.8	
77	39.6	20.5	60.5	
79	33.1	15.8	55.8	





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

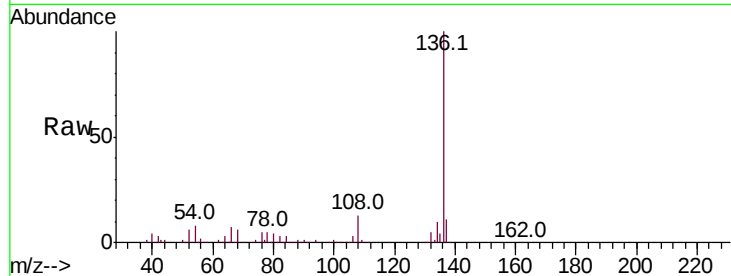
ClientSampleId :

200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	179742		
137	10.8		9.5	14.3
54	8.4		7.6	11.4
68	5.8		3.9	5.9

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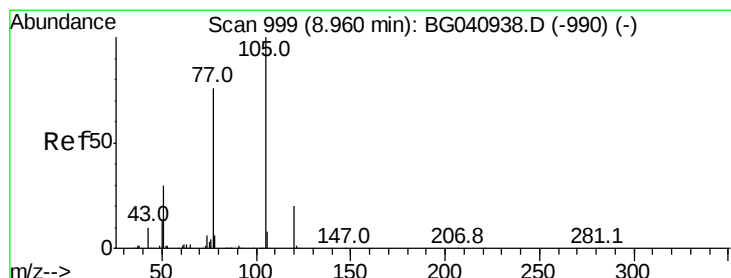
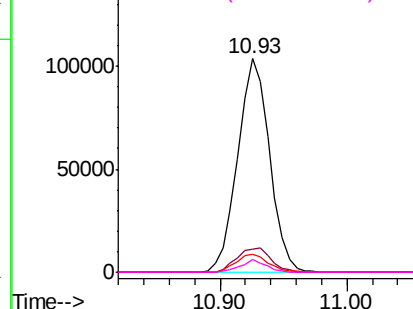
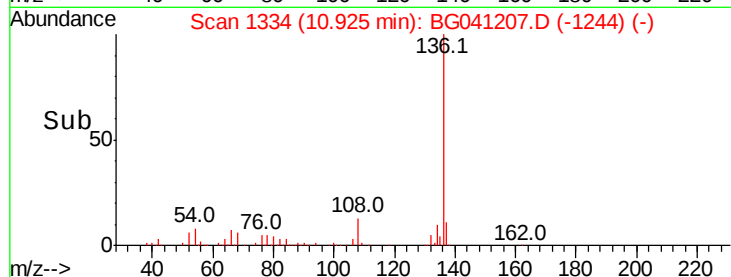
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 46.711 ng

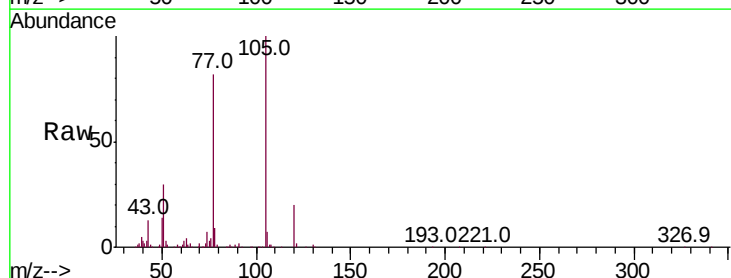
RT: 8.94 min Scan# 996

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	235522		
71	0.3		0.4	0.6#
51	30.1		27.0	40.6
120	19.7		16.2	24.4



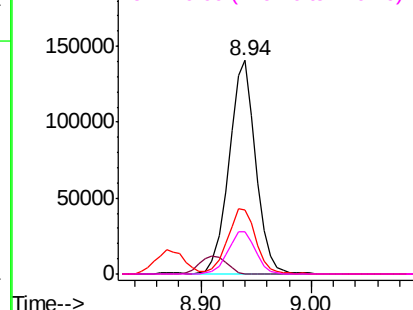
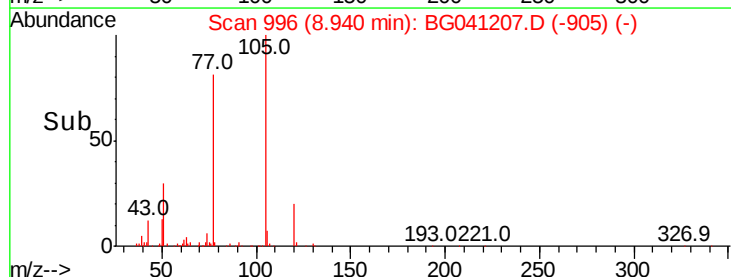
Abundance

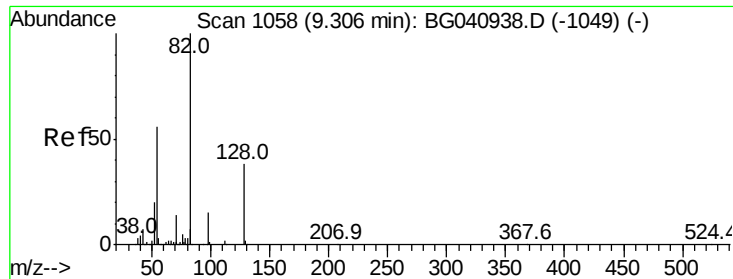
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





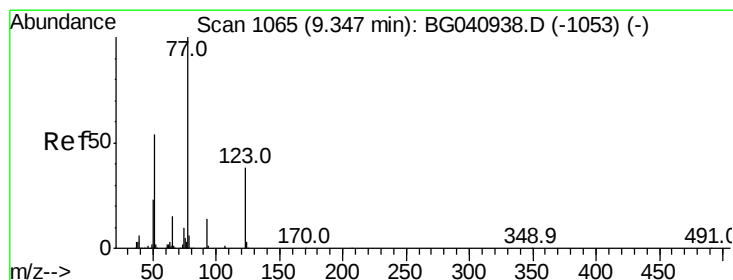
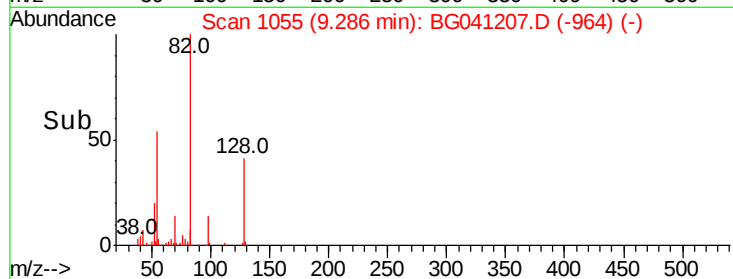
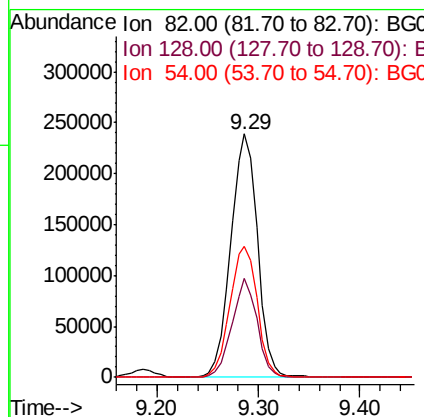
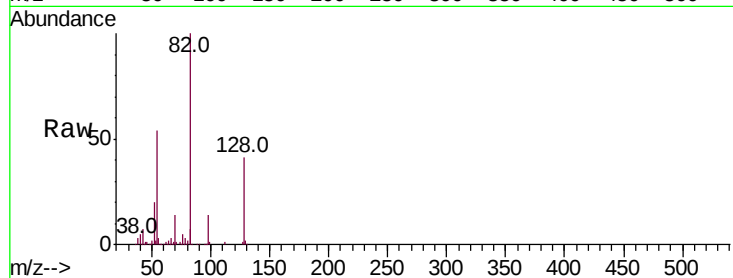
#23
 Nitrobenzene-d5
 Concen: 108.058 ng
 RT: 9.29 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.5	45.7
54	54.0	44.6	66.8

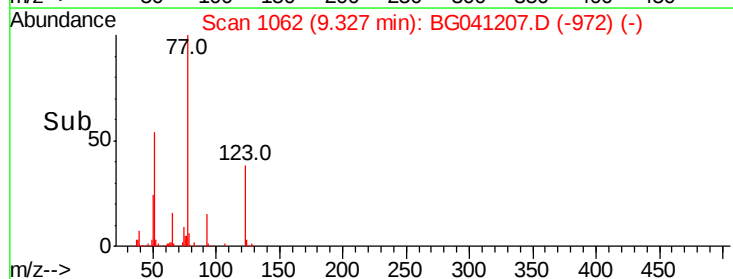
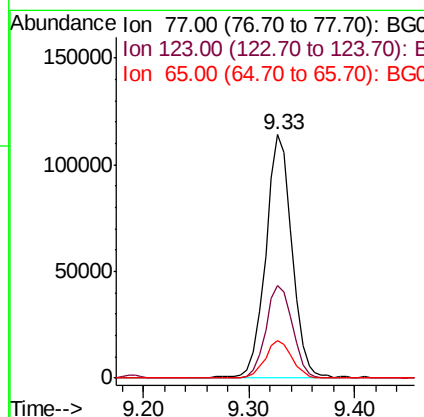
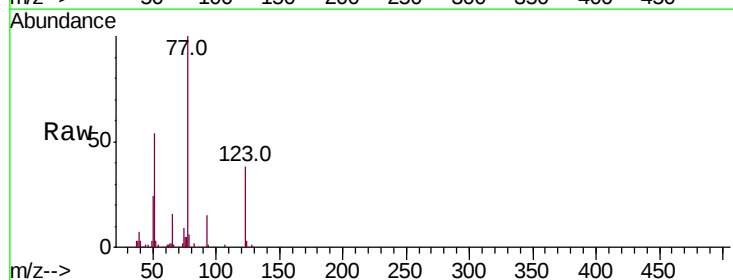
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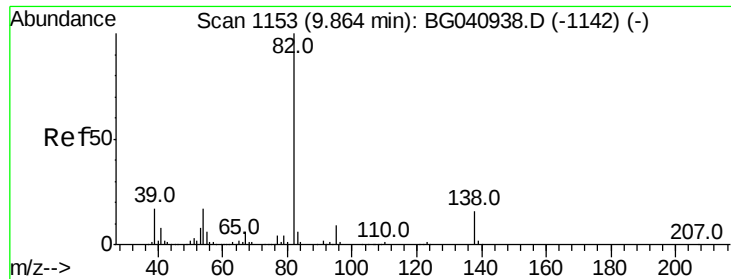
mohammad
 6/14/2019 8:36:40 AM



#24
 Nitrobenzene
 Concen: 47.579 ng
 RT: 9.33 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.8	30.6	46.0
65	15.7	12.3	18.5





#25

Isophorone

Concen: 45.565 ng

RT: 9.84 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

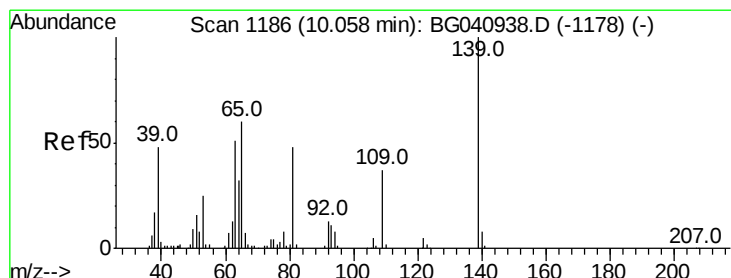
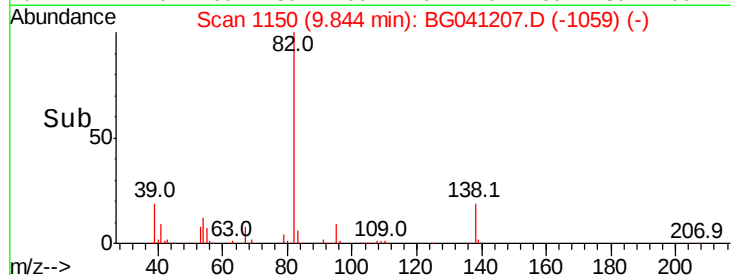
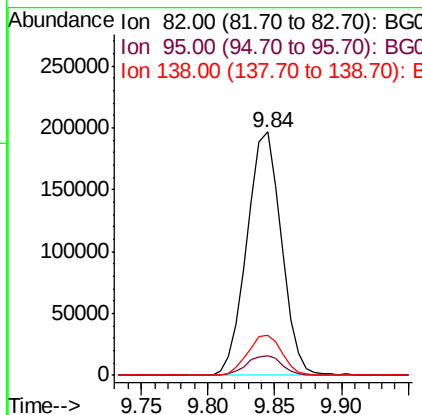
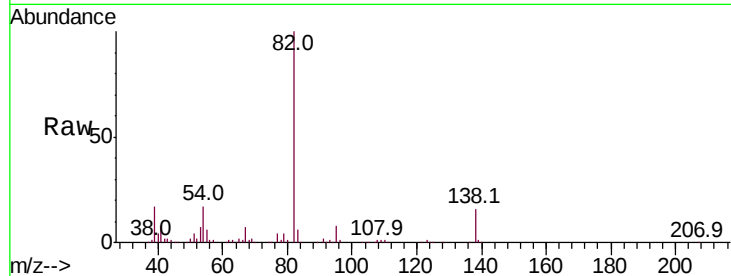
ClientSampleId :

200030-200034MSD

Tot Ion:	82	Resp:	351088
Ion Ratio	Lower	Upper	
82	100		
95	7.9	7.0	10.4
138	16.5	12.6	19.0

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#26

2-Nitrophenol

Concen: 50.826 ng

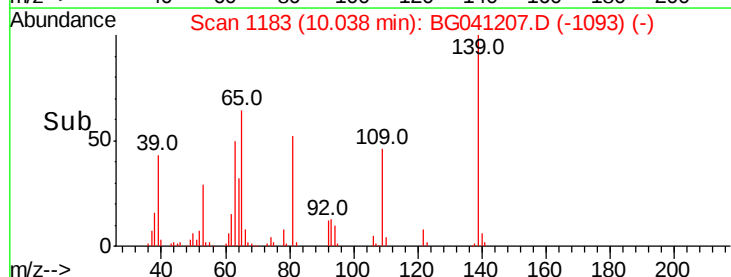
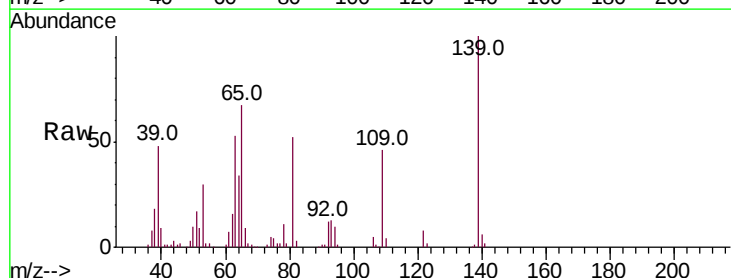
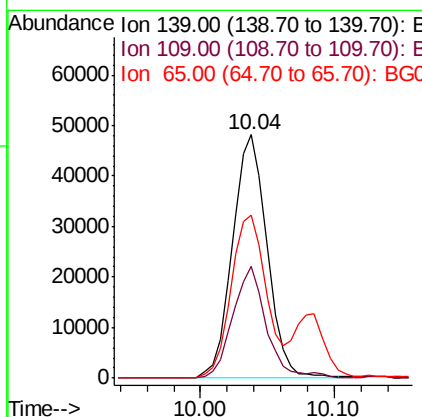
RT: 10.04 min Scan# 1183

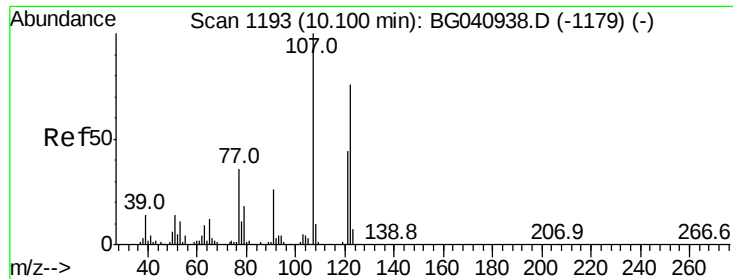
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	139	Resp:	86454
Ion Ratio	Lower	Upper	
139	100		
109	45.8	29.8	44.6#
65	66.7	47.8	71.6





#27

2,4-Dimethylphenol

Concen: 52.867 ng

RT: 10.08 min Scan# 1190

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

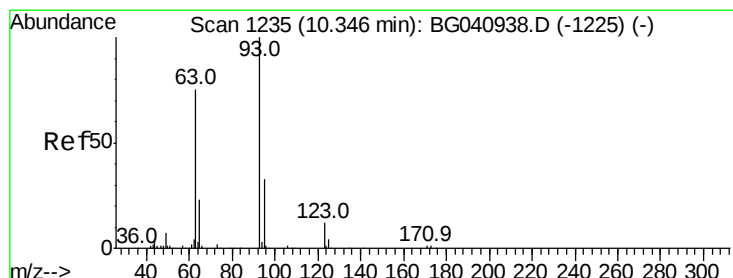
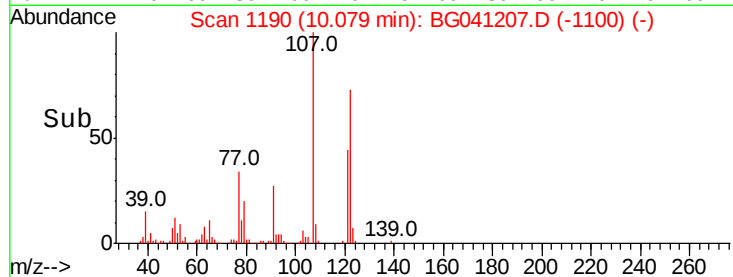
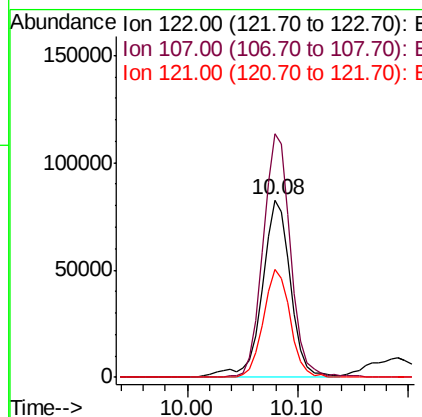
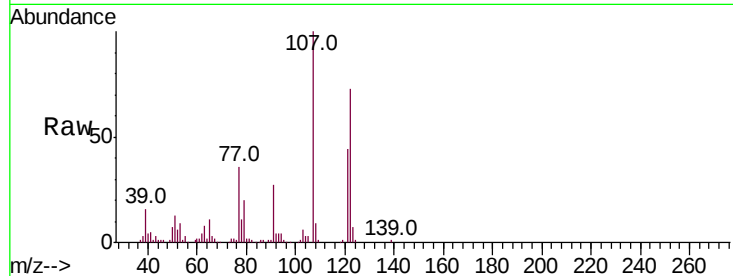
ClientSampleId :

200030-200034MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	137.5	105.9	158.9
121	60.8	46.2	69.4

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#28

bis(2-Chloroethoxy)methane

Concen: 43.585 ng

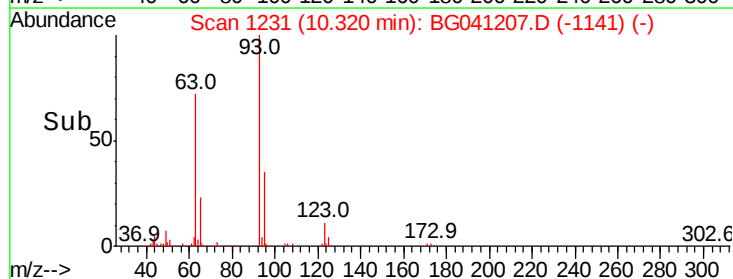
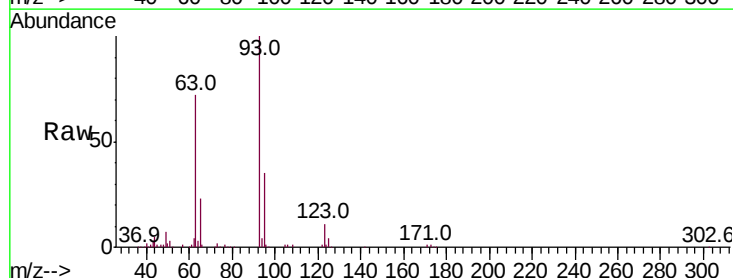
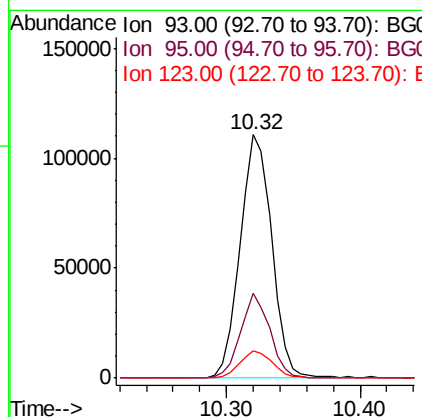
RT: 10.32 min Scan# 1231

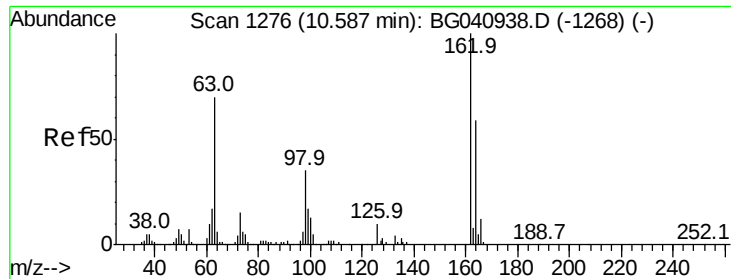
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	35.0	26.2	39.2
123	11.0	9.5	14.3





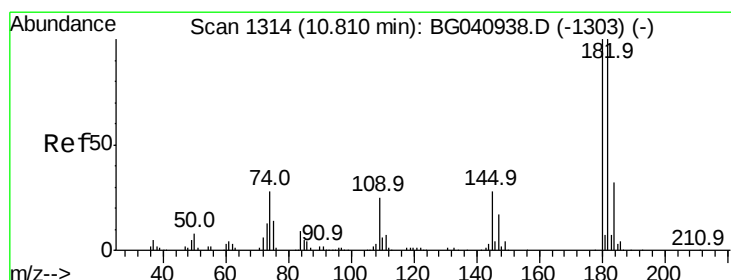
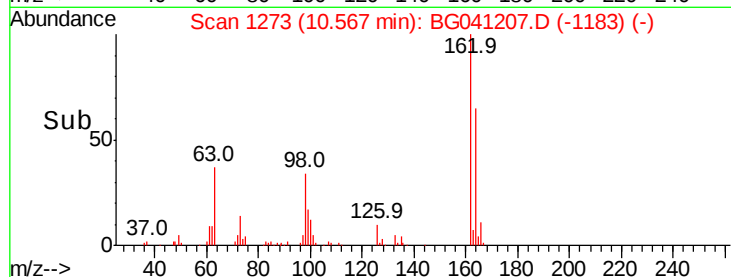
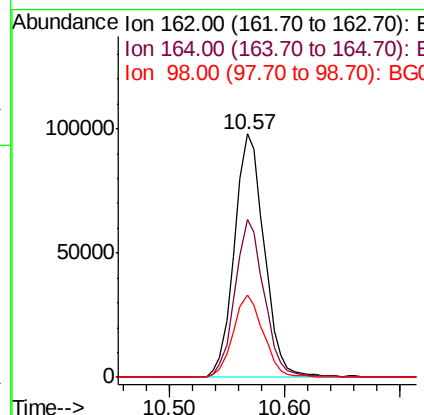
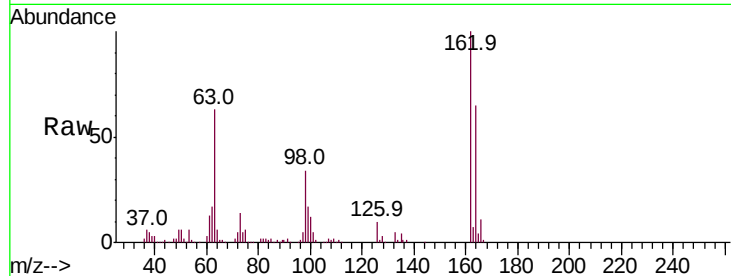
#29
2,4-Dichlorophenol
Concen: 49.318 ng
RT: 10.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	175938		
164	64.9	39.4	79.4	
98	33.6	15.3	55.3	

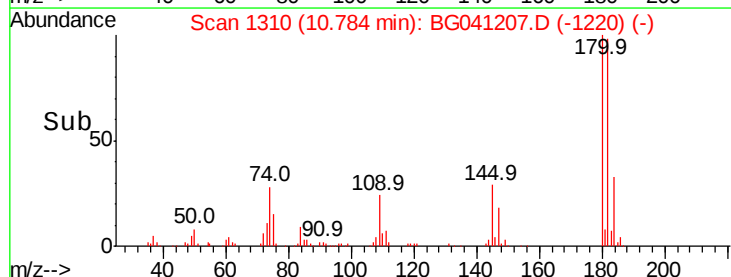
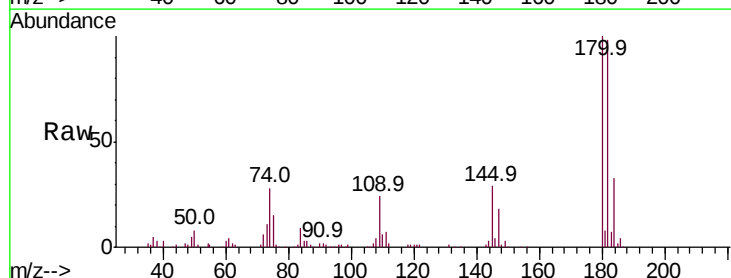
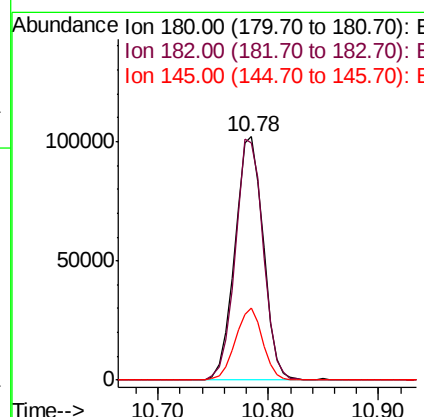
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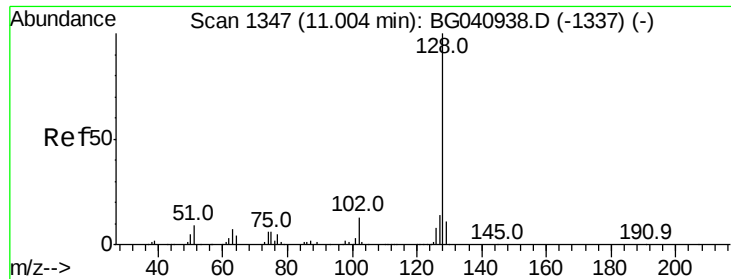
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#30
1,2,4-Trichlorobenzene
Concen: 45.441 ng
RT: 10.78 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	184413		
182	97.5	79.7	119.5	
145	29.4	22.6	34.0	





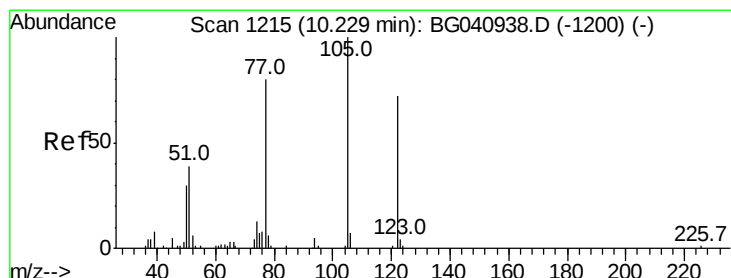
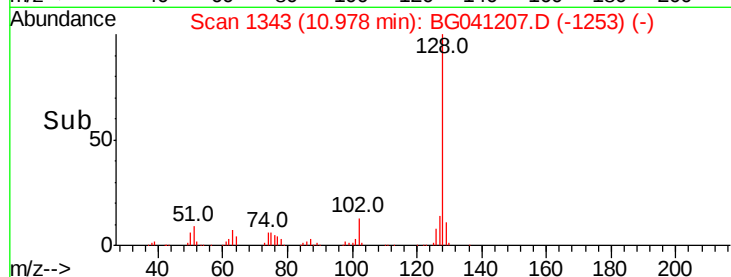
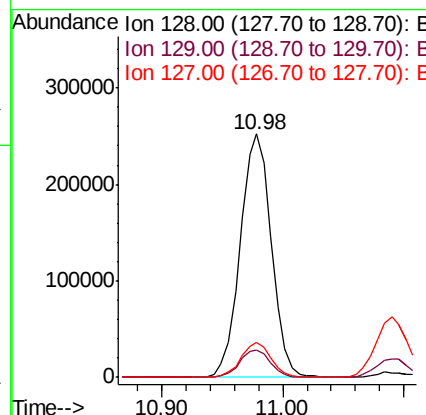
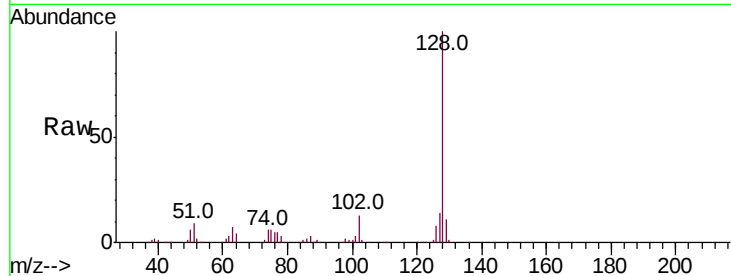
#31
Naphthalene
Concen: 46.694 ng
RT: 10.98 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.5	12.7
127	14.4	11.4	17.2

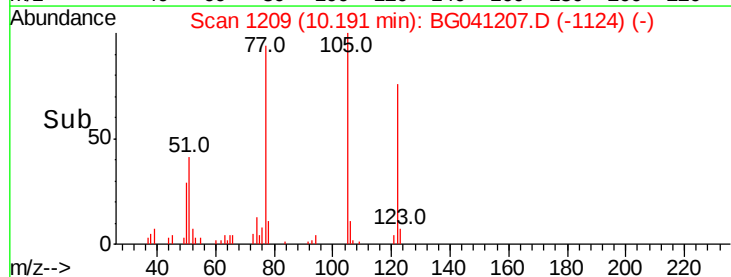
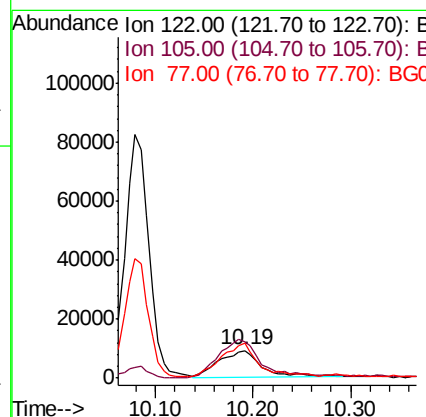
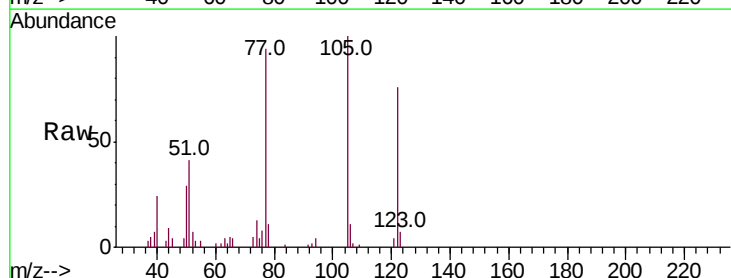
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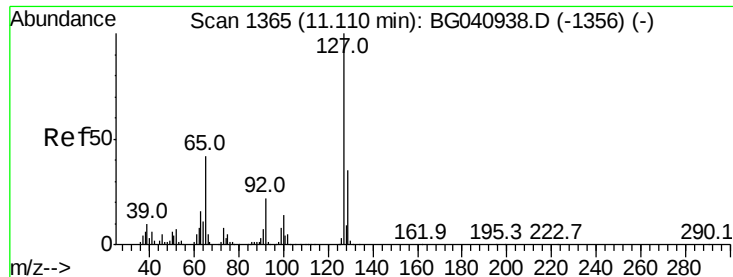
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#32
Benzoic acid
Concen: 18.672 ng
RT: 10.19 min Scan# 1209
Delta R.T. -0.03 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.8	114.8	154.8
77	124.5	89.9	129.9





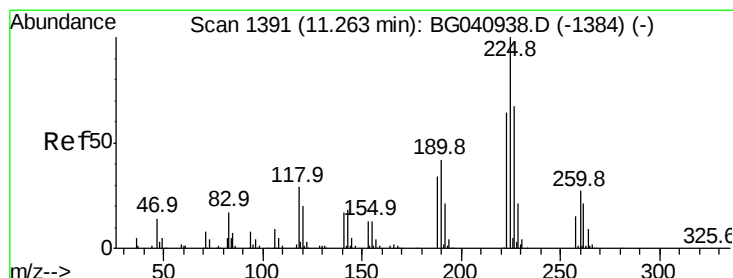
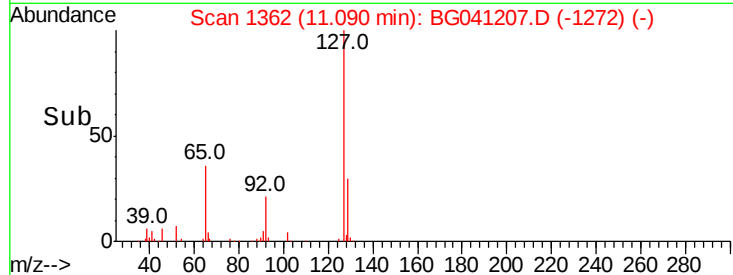
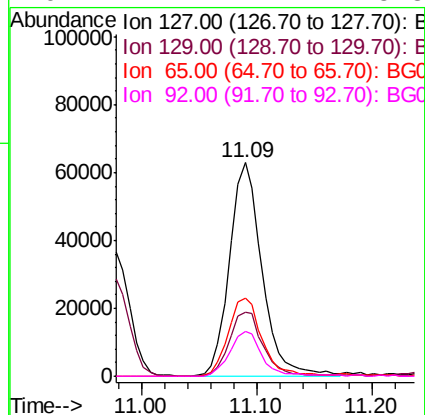
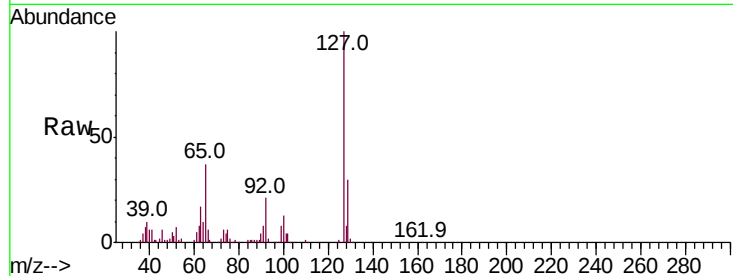
#33
4-Chloroaniline
Concen: 27.500 ng
RT: 11.09 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	30.0	27.7	41.5
65	36.7	33.2	49.8
92	21.1	17.2	25.8

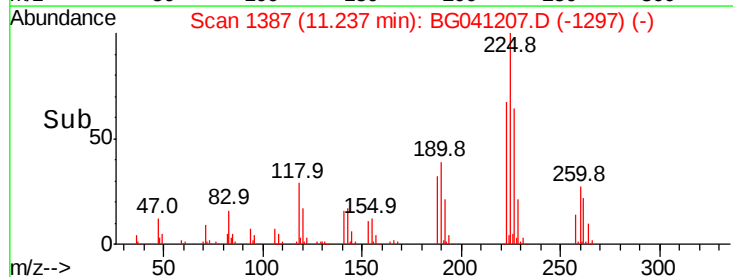
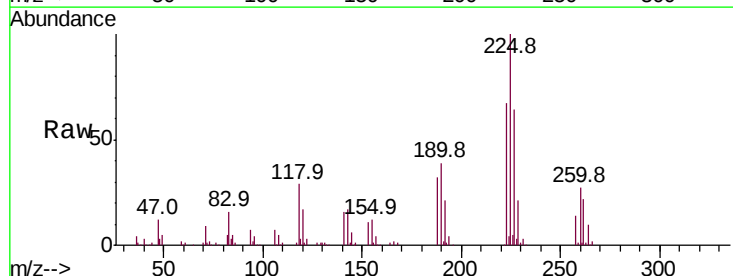
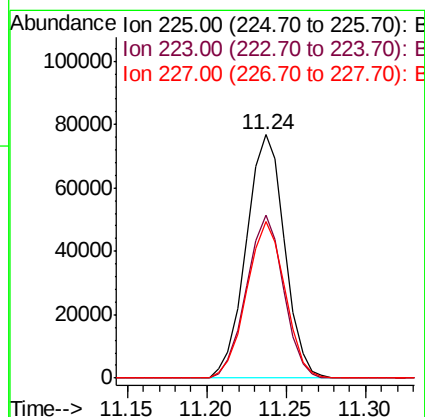
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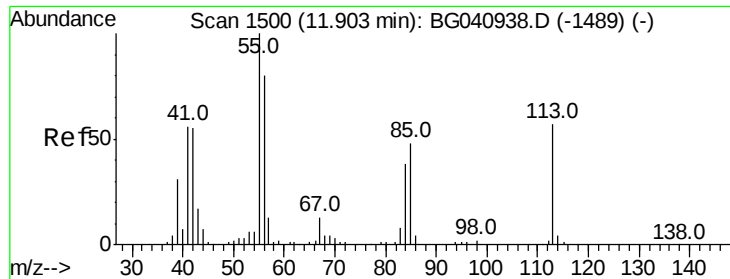
mohammad
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#34
Hexachlorobutadiene
Concen: 41.550 ng
RT: 11.24 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	66.9	48.8	73.2
227	67.0	51.4	77.0





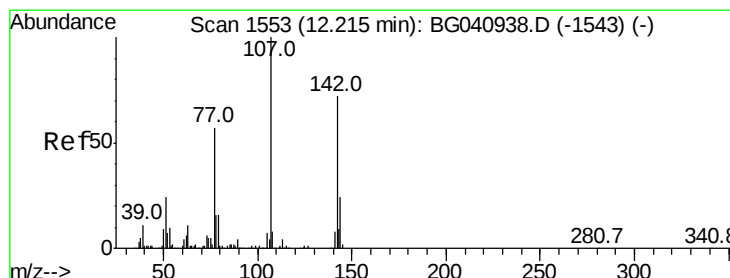
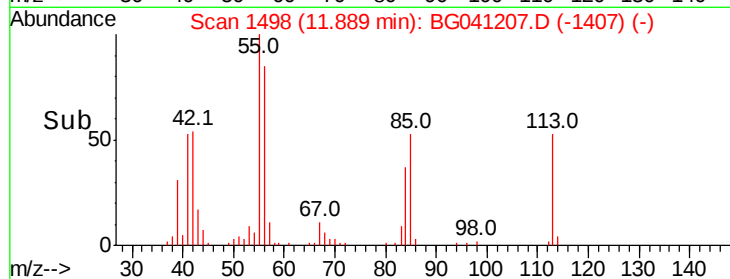
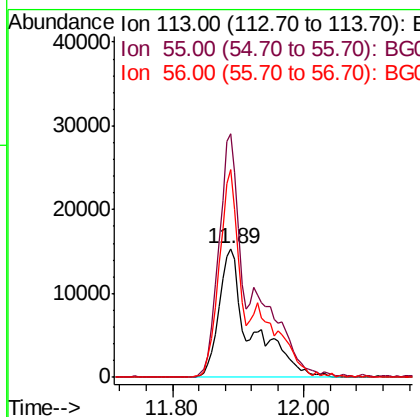
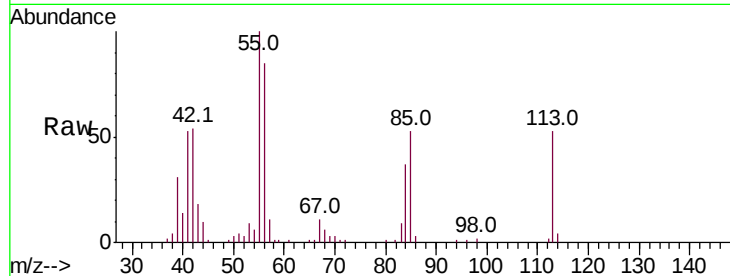
#35
 Caprolactam
 Concen: 43.823 ng/ml
 RT: 11.89 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	188.8	155.9	195.9
56	160.8	119.9	159.9

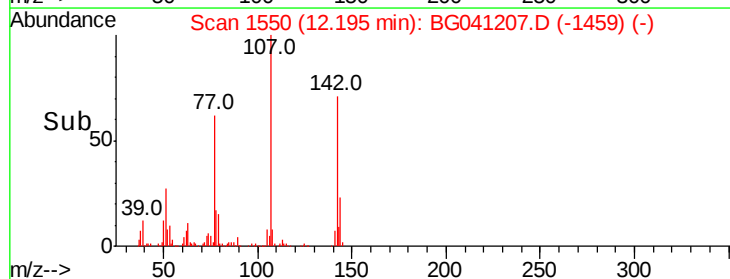
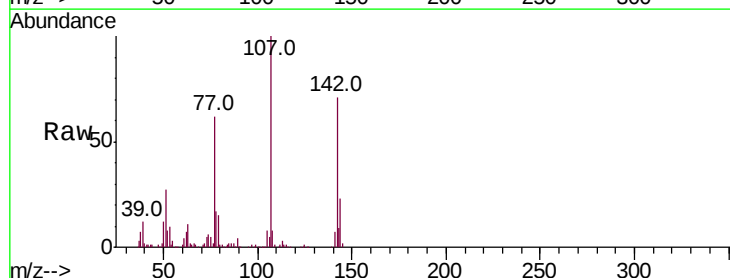
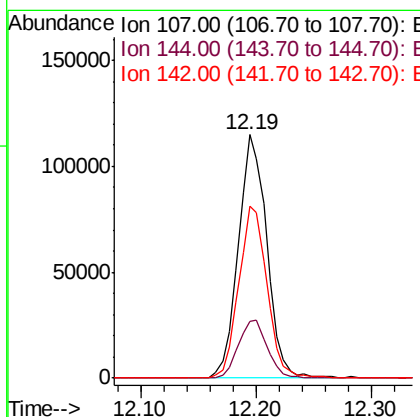
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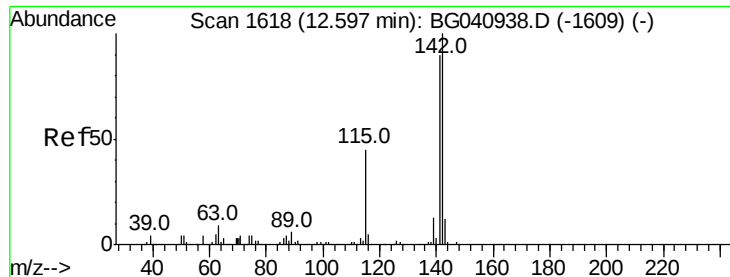
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 48.191 ng/ml
 RT: 12.19 min Scan# 1550
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.4	29.0
142	70.8	57.3	85.9





#37

2-Methylnaphthalene

Concen: 46.646 ng

RT: 12.57 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

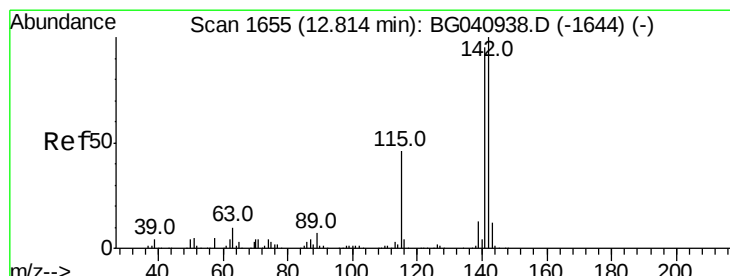
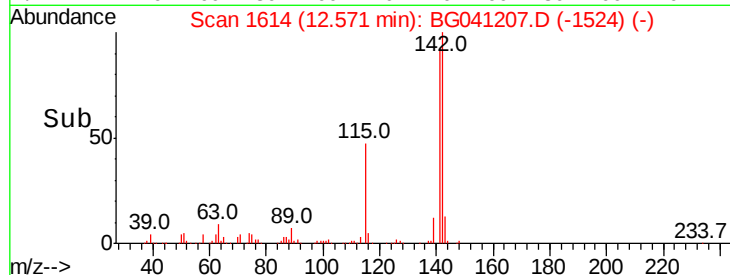
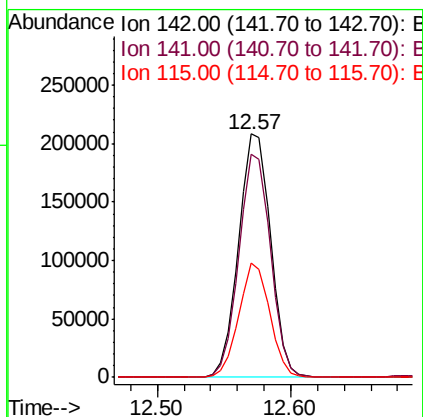
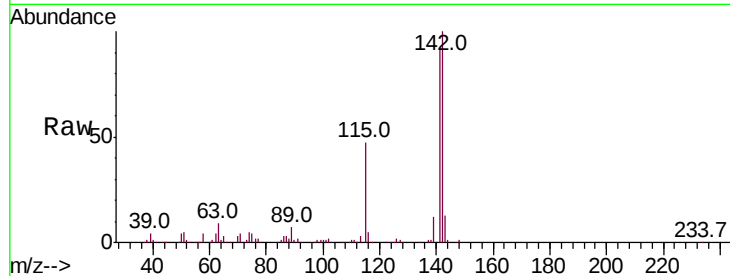
Instrument :
BNA_G

ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.2	108.4
115	46.8	36.2	54.4

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#38

1-Methylnaphthalene

Concen: 46.899 ng

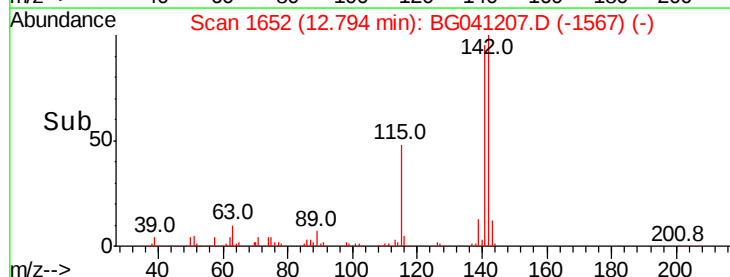
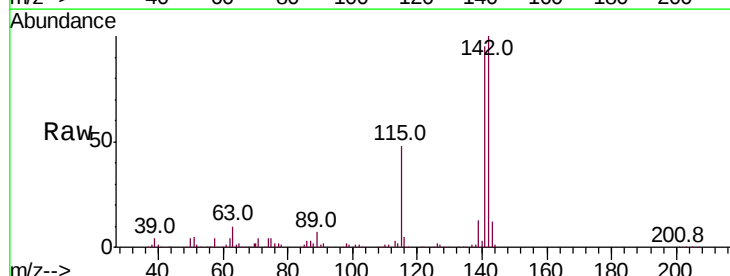
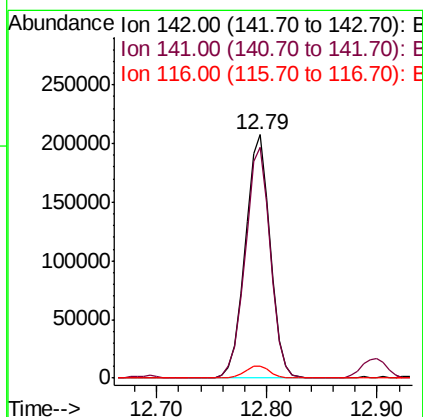
RT: 12.79 min Scan# 1652

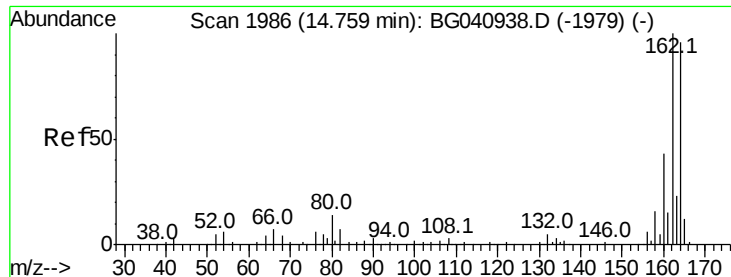
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	75.7	113.5
116	5.1	3.4	5.2





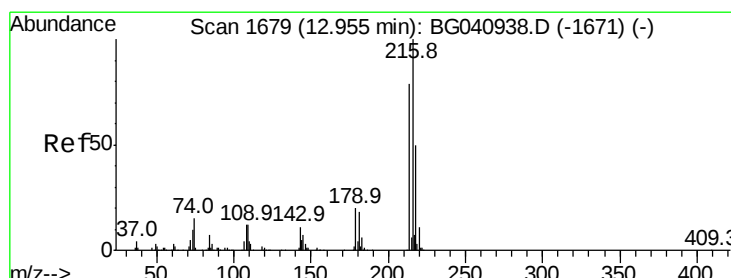
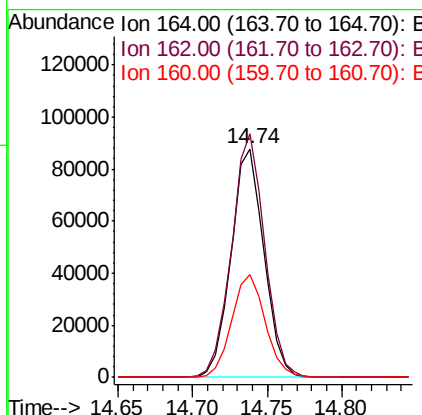
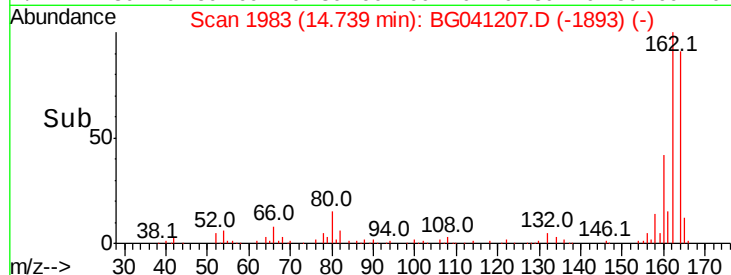
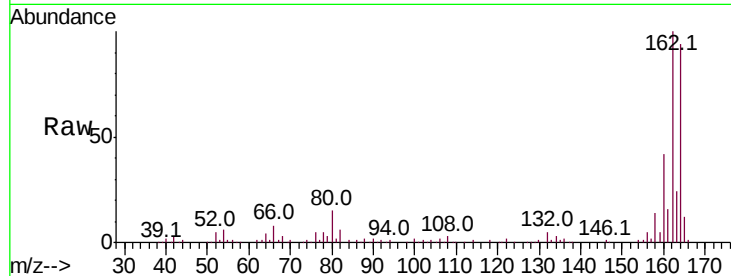
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.7	83.0	124.4
160	44.9	35.6	53.4

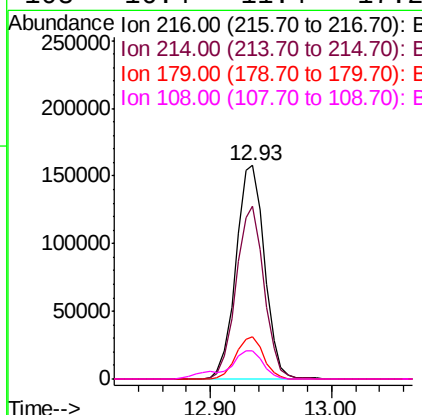
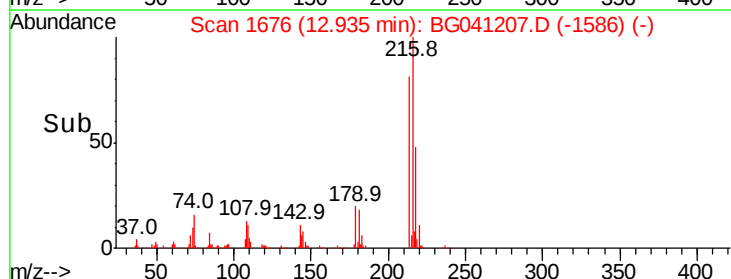
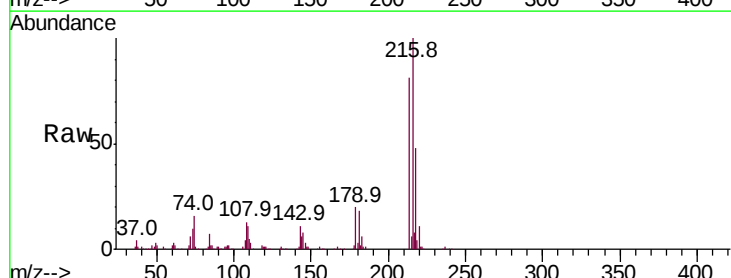
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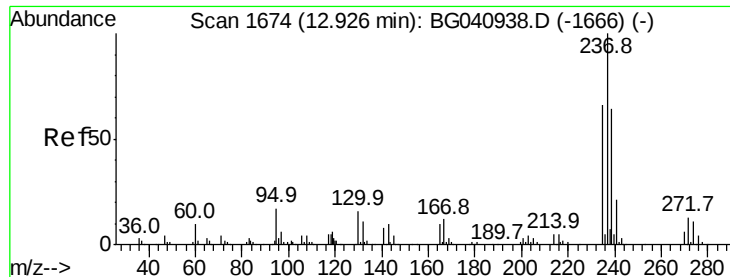
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.057 ng
RT: 12.93 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.4	95.2
179	19.0	15.2	22.8
108	16.4	11.4	17.2





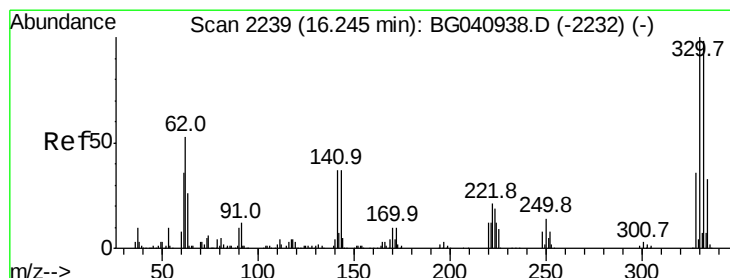
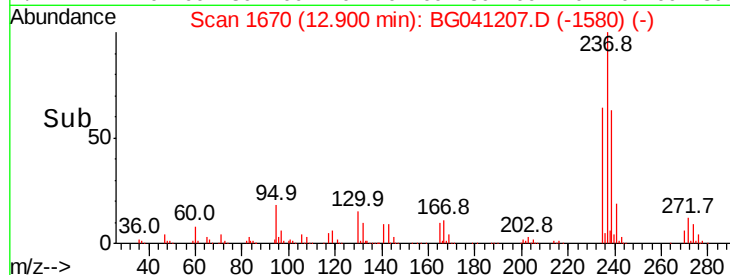
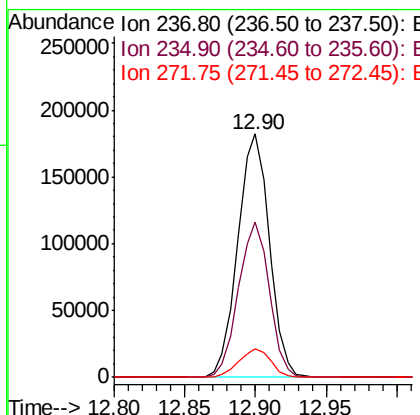
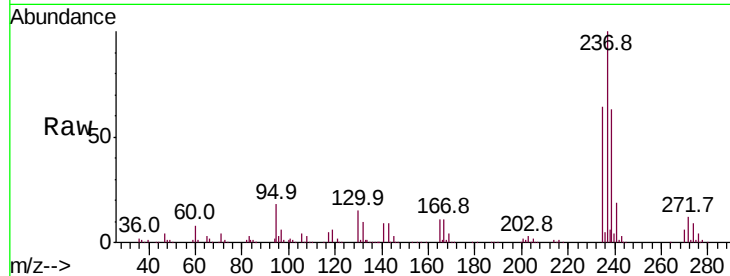
#41
Hexachlorocyclopentadiene
Concen: 95.840 ng
RT: 12.90 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.7	45.5	85.5
272	11.6	0.0	32.9

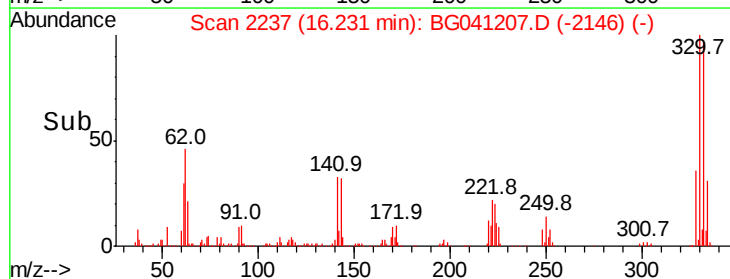
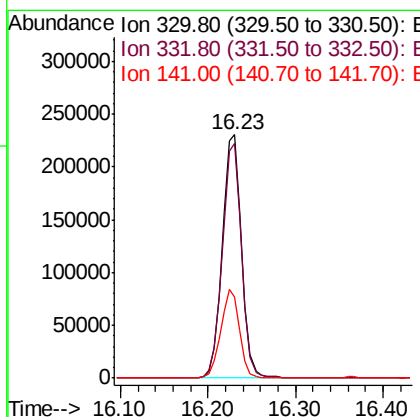
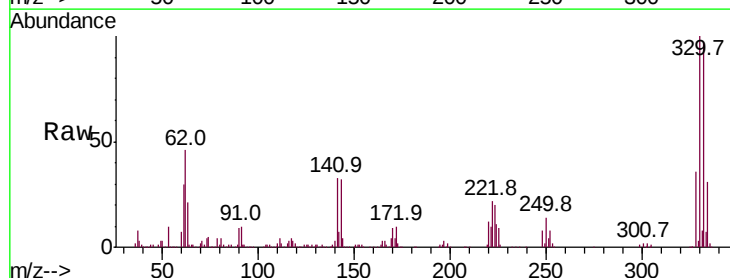
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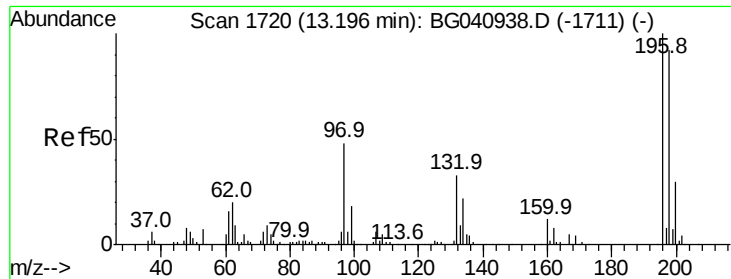
mohammad
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#42
2,4,6-Tribromophenol
Concen: 174.962 ng
RT: 16.23 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	78.5	117.7
141	35.5	28.7	43.1





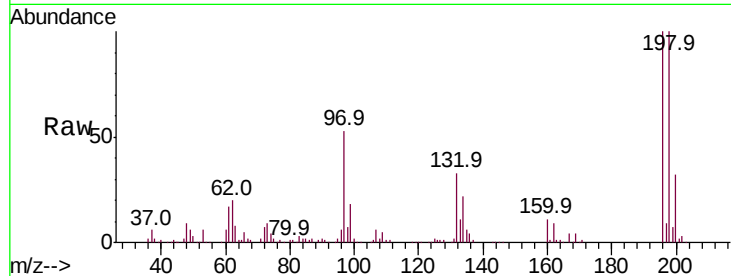
#43
 2,4,6-Trichlorophenol
 Concen: 48.810 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	171222		
198	100.4	73.8	110.6	
200	32.5	24.1	36.1	

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mohammad
 6/14/2019 8:36:40 AM

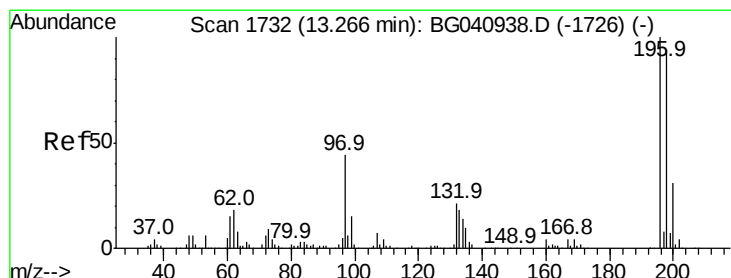
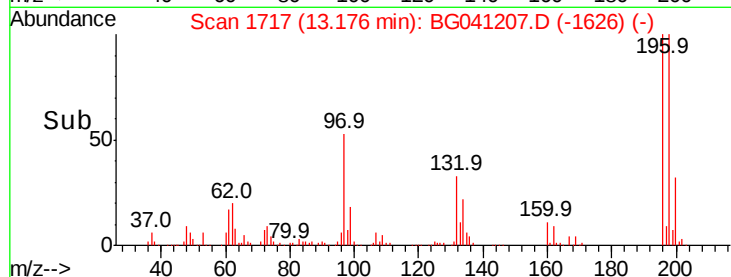
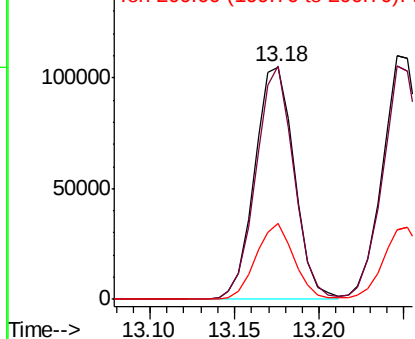


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 49.205 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	182037		
198	95.8	75.1	112.7	
97	46.4	35.6	53.4	
132	22.0	16.7	25.1	

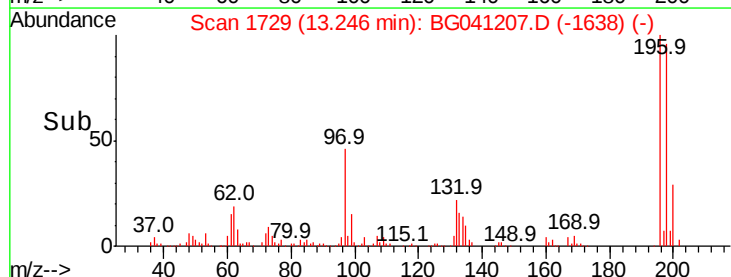
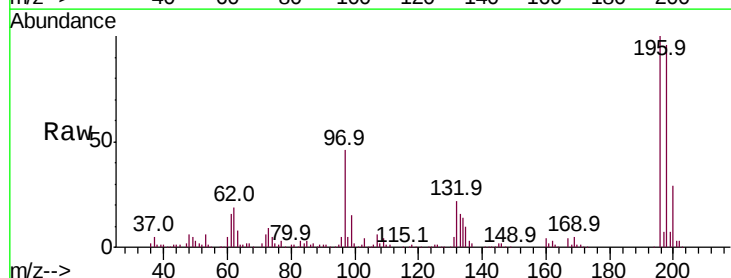
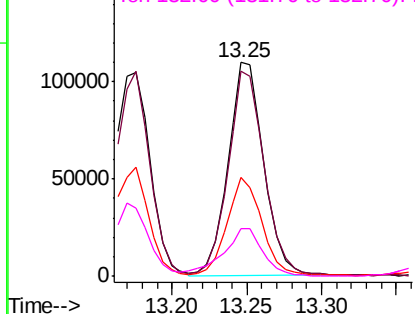
Abundance

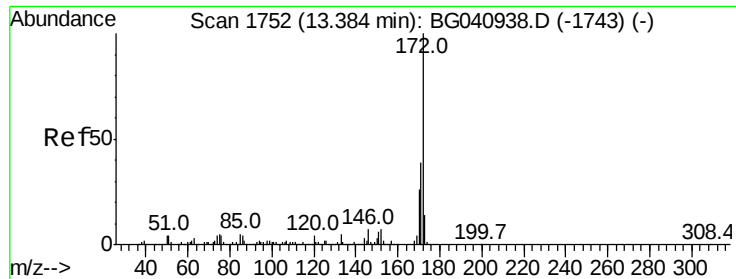
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





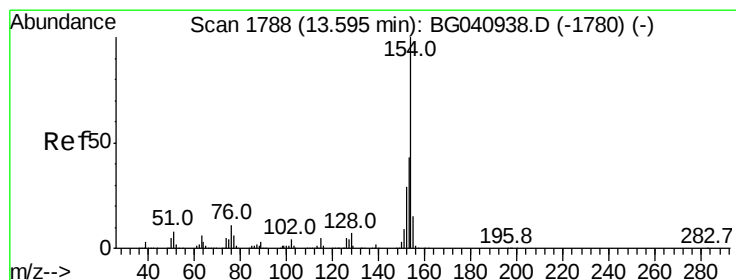
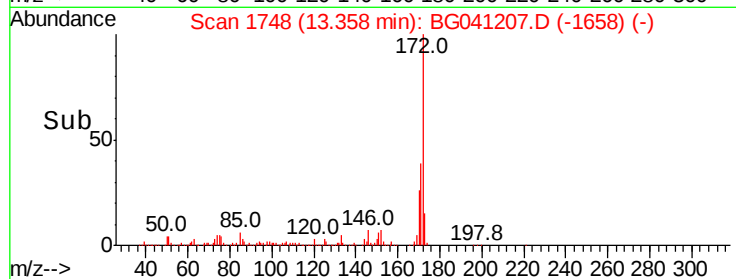
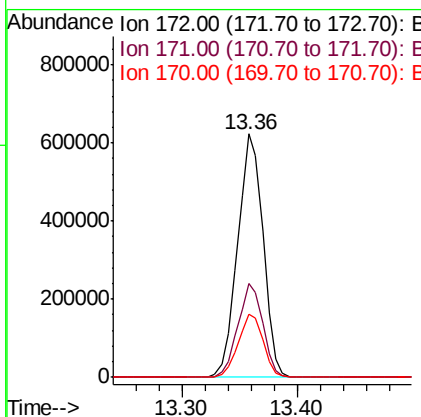
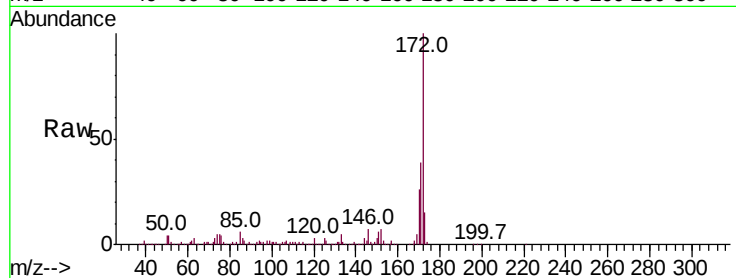
#45
2-Fluorobiphenyl
Concen: 101.518 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	38.7	31.1	46.7
170	26.0	20.5	30.7

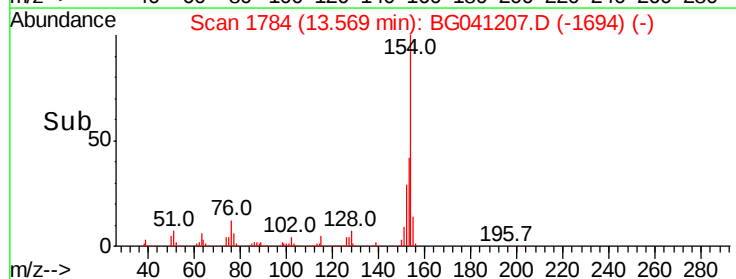
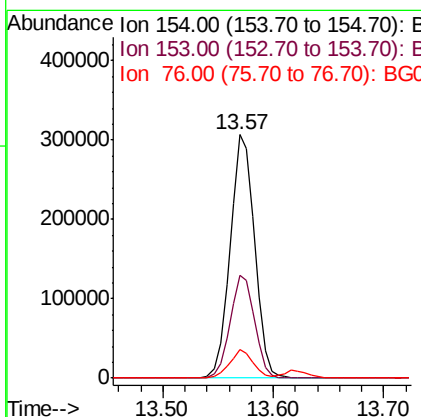
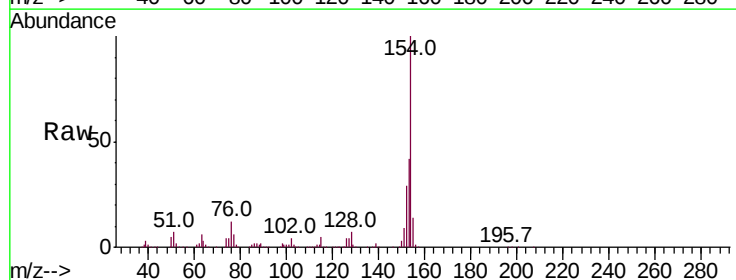
Manual Integrations
APPROVED

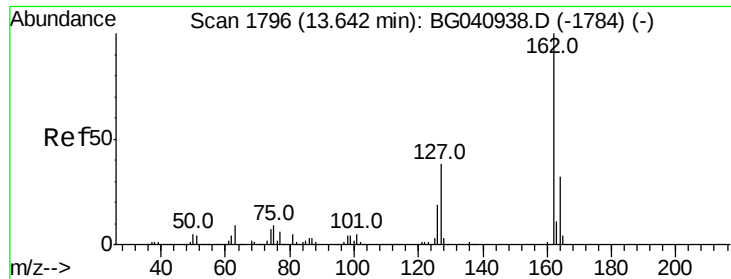
mohammad
6/14/2019 8:36:40 AM



#46
1,1'-Biphenyl
Concen: 47.780 ng
RT: 13.57 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	42.3	23.3	63.3
76	11.6	0.0	31.1





#47

2-Chloronaphthalene

Concen: 46.595 ng

RT: 13.62 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

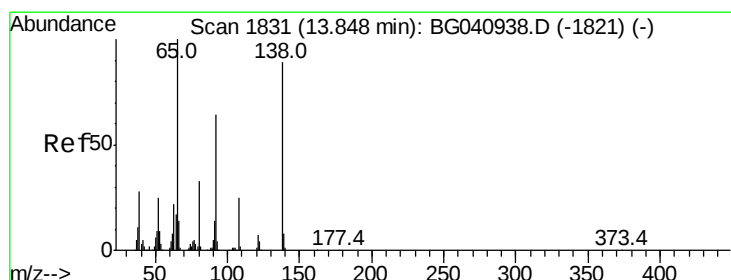
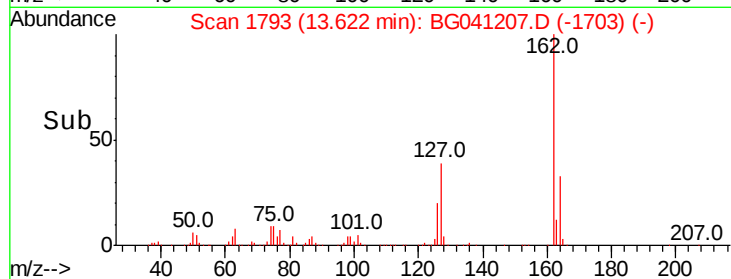
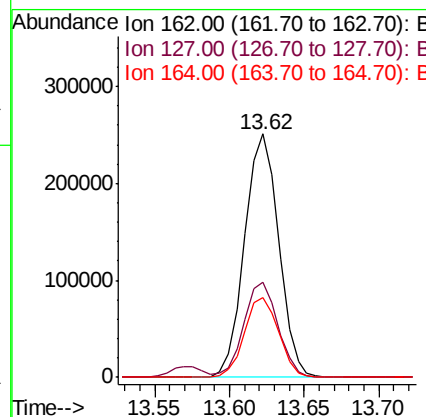
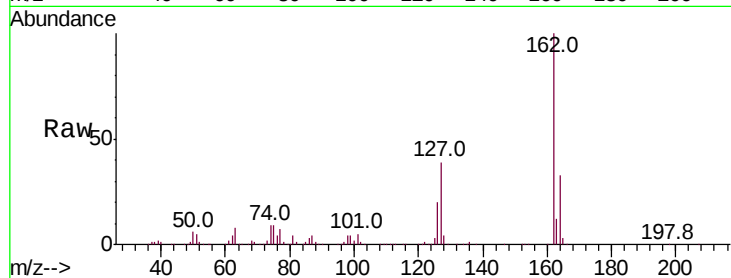
ClientSampleId :

200030-200034MSD

Tot Ion:	162	Resp:	398360
Ion Ratio	Lower	Upper	
162	100		
127	38.9	30.5	45.7
164	32.8	25.8	38.6

Manual Integrations
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#48

2-Nitroaniline

Concen: 47.367 ng

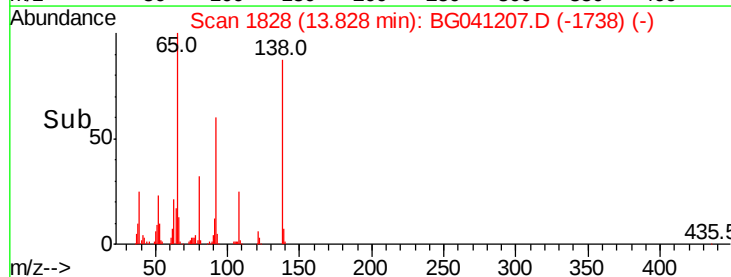
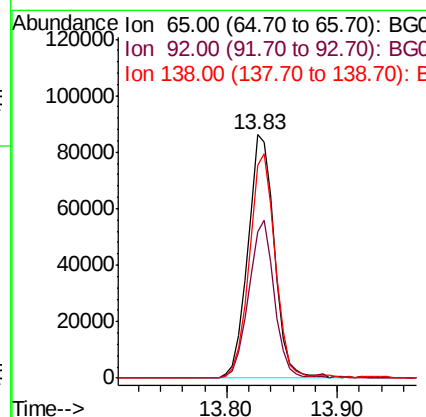
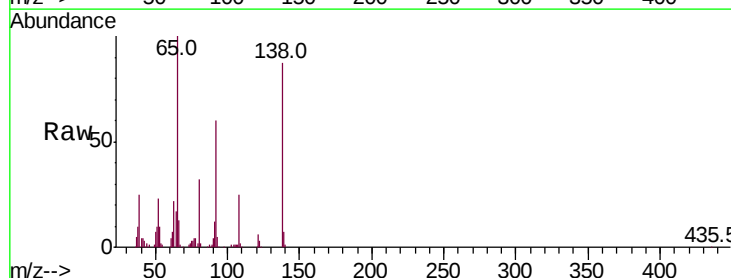
RT: 13.83 min Scan# 1828

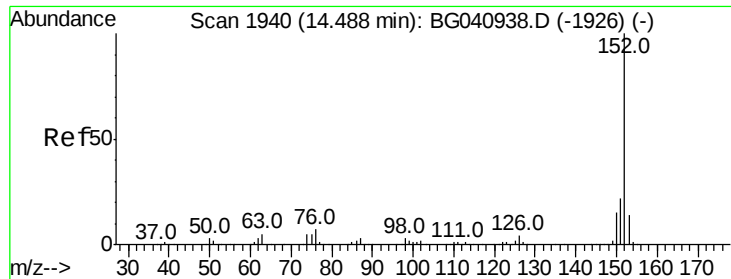
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	65	Resp:	145277
Ion Ratio	Lower	Upper	
65	100		
92	60.2	51.0	76.6
138	87.5	71.2	106.8





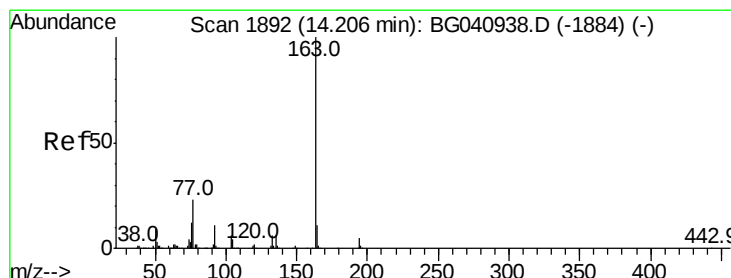
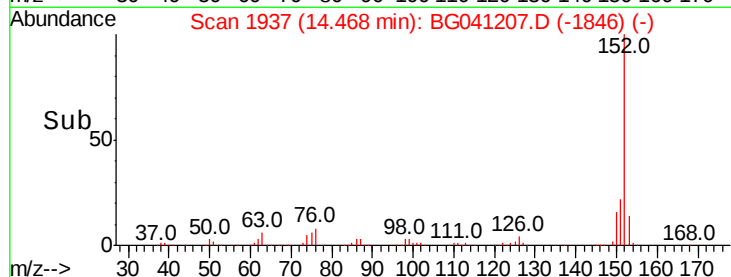
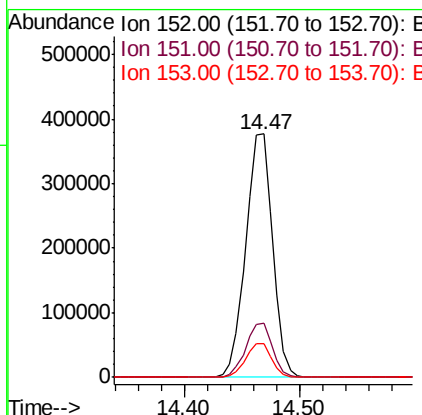
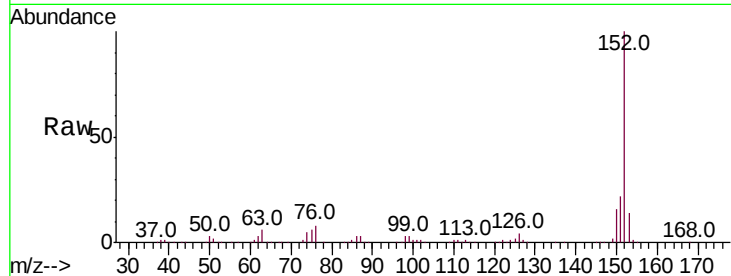
#49
Acenaphthylene
Concen: 47.448 ng
RT: 14.47 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.4	26.0
153	13.6	11.0	16.4

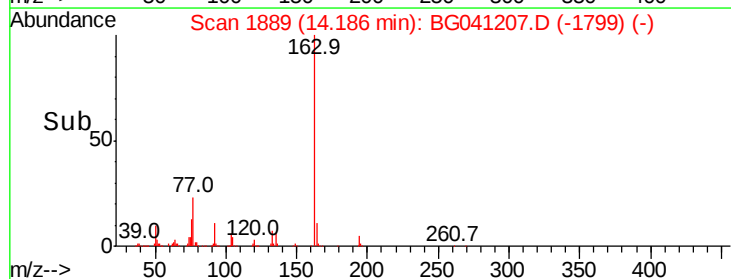
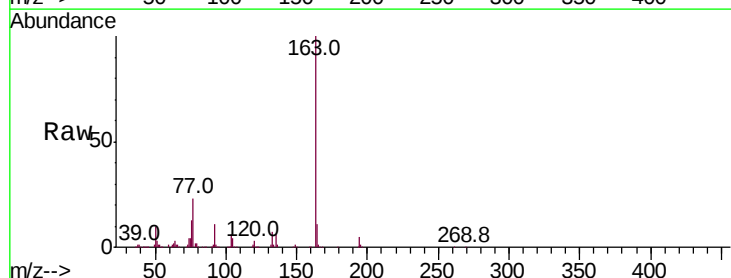
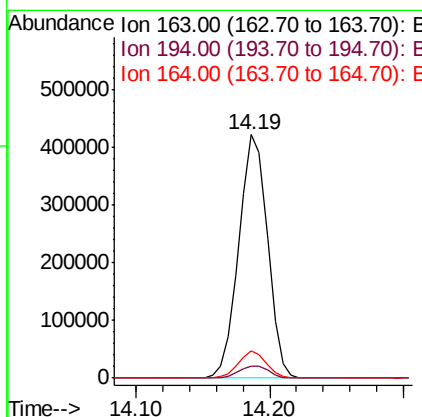
Manual Integrations
APPROVED

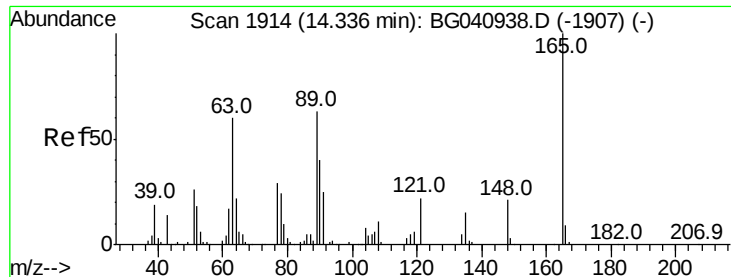
mohammad
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#50
Dimethylphthalate
Concen: 55.164 ng
RT: 14.19 min Scan# 1889
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.8	5.8
164	11.2	8.7	13.1





#51

2,6-Dinitrotoluene

Concen: 48.012 ng

RT: 14.32 min Scan# 1912

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

Tot Ion:165 Resp: 117892

Ion Ratio Lower Upper

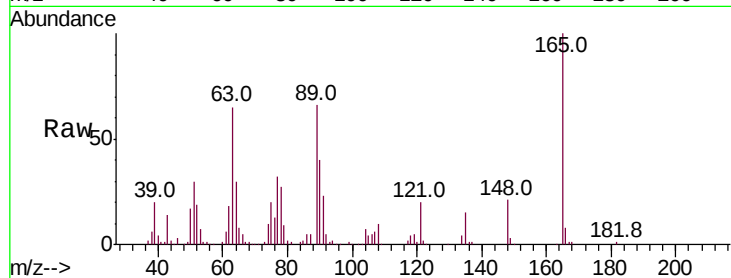
165 100

63 65.0 53.6 80.4

89 65.8 50.4 75.6

Manual Integrations
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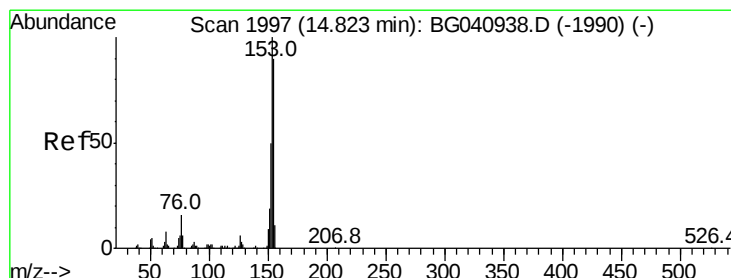
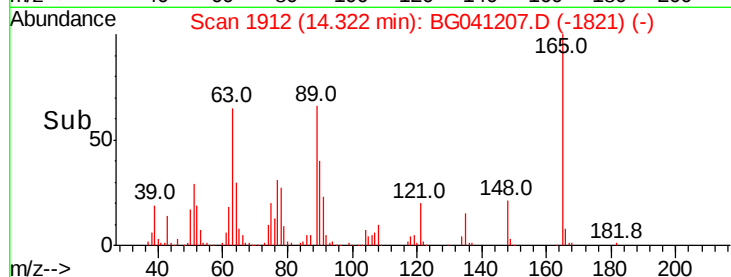
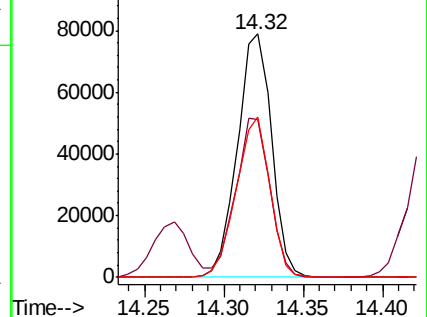
mohammad
6/14/2019 8:36:40 AM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 45.820 ng

RT: 14.80 min Scan# 1994

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

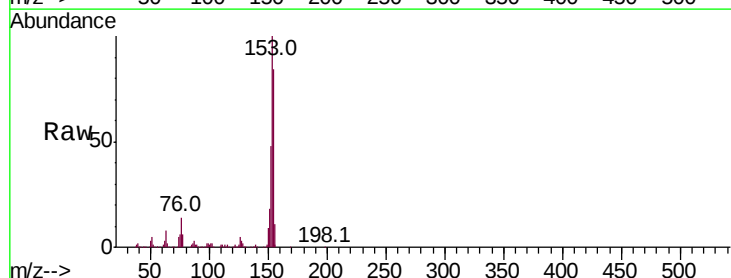
Tgt Ion:154 Resp: 357164

Ion Ratio Lower Upper

154 100

153 118.7 88.6 133.0

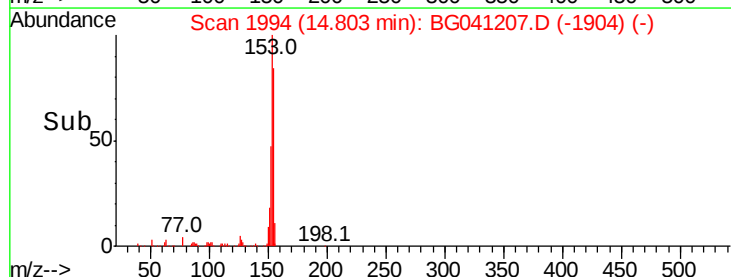
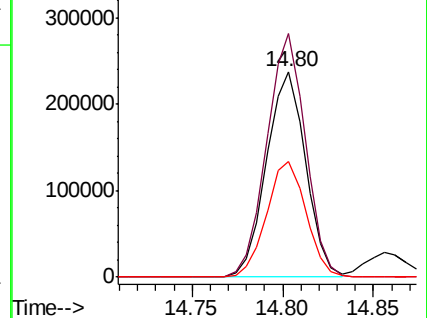
152 56.5 44.2 66.4

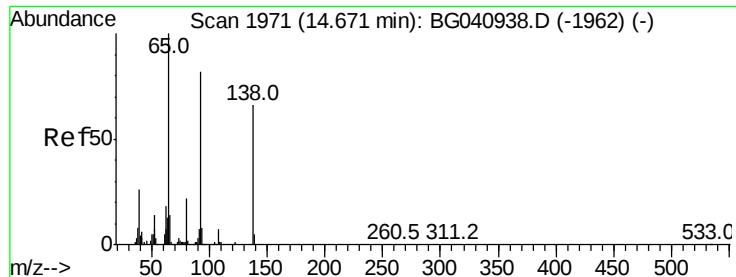


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





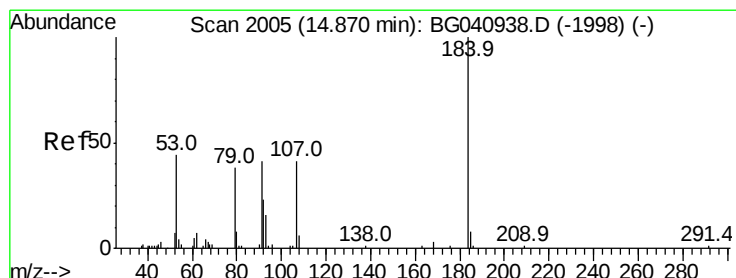
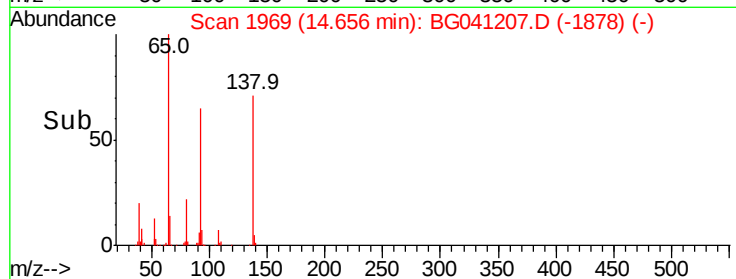
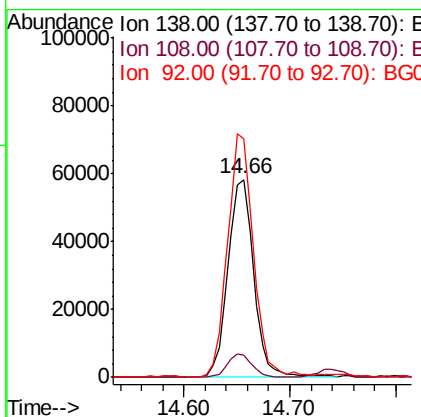
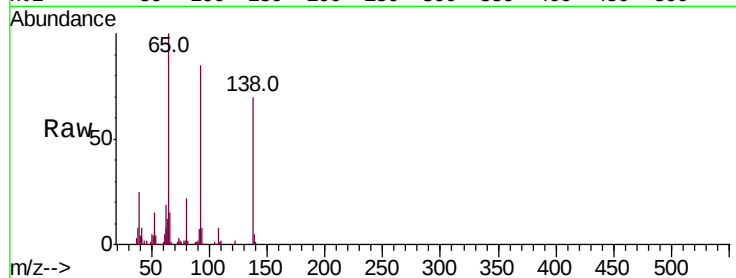
#53
3-Nitroaniline
Concen: 40.110 ng
RT: 14.66 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.5	12.7
92	120.5	99.0	148.6

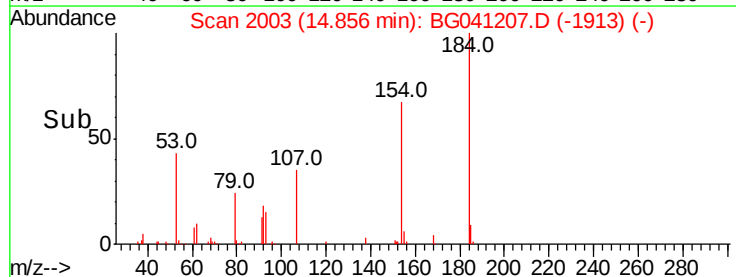
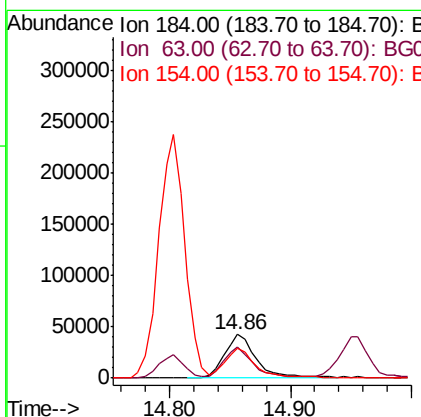
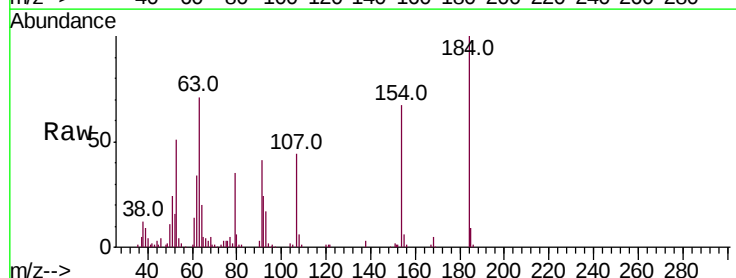
Manual Integrations
APPROVED

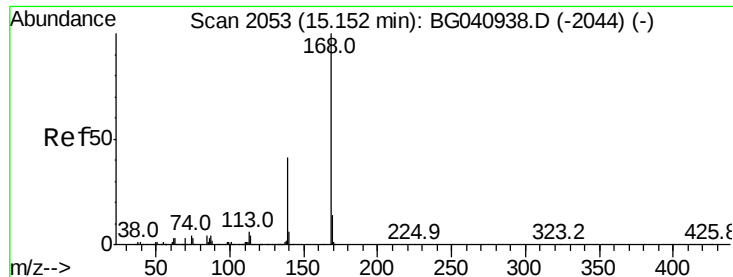
mohammad
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#54
2,4-Dinitrophenol
Concen: 65.306 ng
RT: 14.86 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
184	100		
63	71.0	49.8	74.6
154	67.3	52.2	78.4





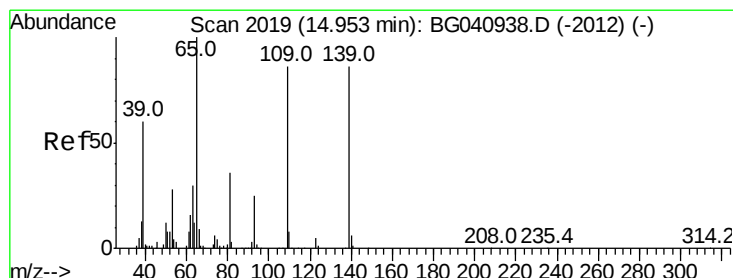
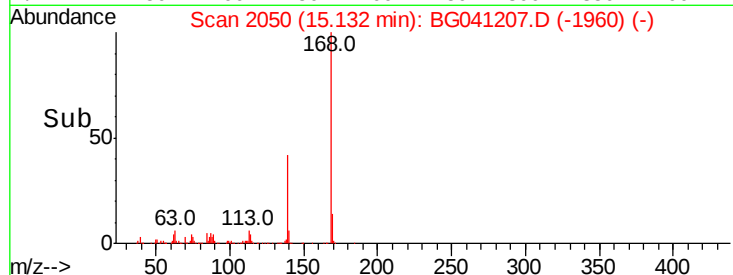
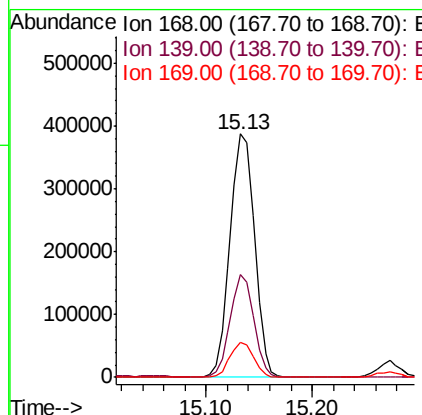
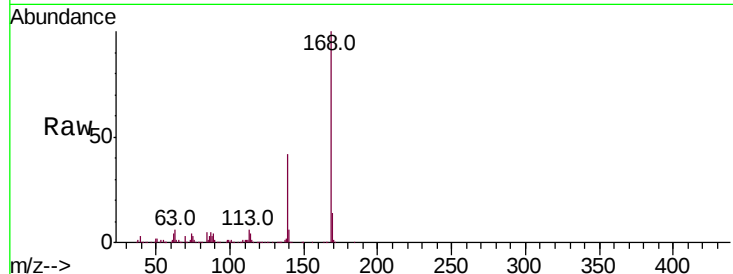
#55
Dibenzofuran
Concen: 47.571 ng
RT: 15.13 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.0	32.8	49.2
169	14.2	11.3	16.9

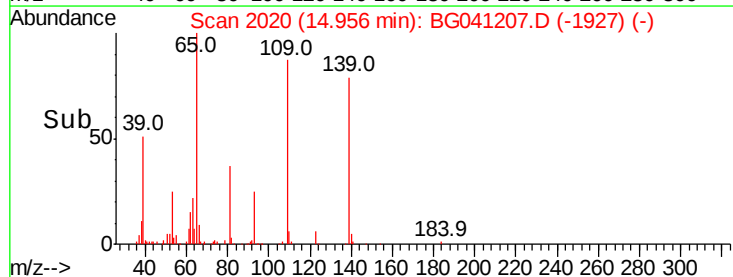
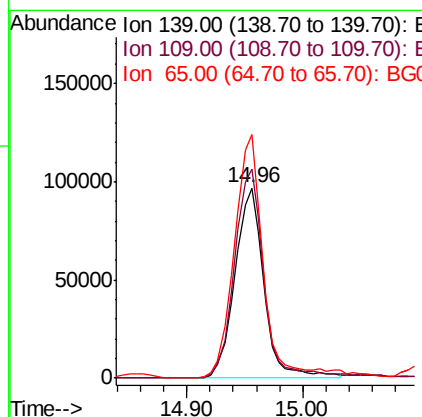
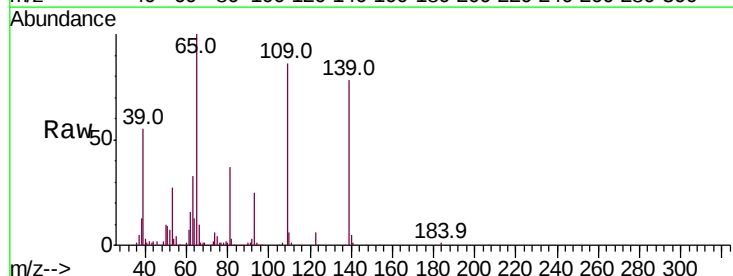
Manual Integrations
APPROVED

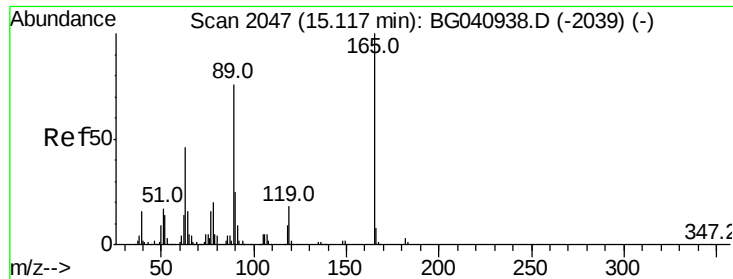
mohammad
6/14/2019 8:36:40 AM



#56
4-Nitrophenol
Concen: 100.089 ng
RT: 14.96 min Scan# 2020
Delta R.T. 0.02 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
139	100		
109	110.3	79.6	119.6
65	128.0	96.9	136.9





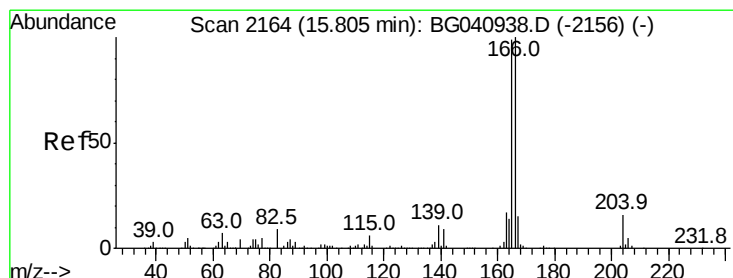
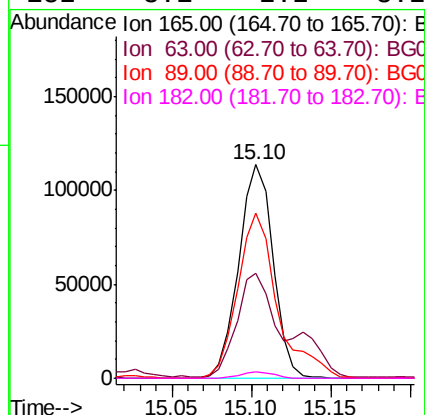
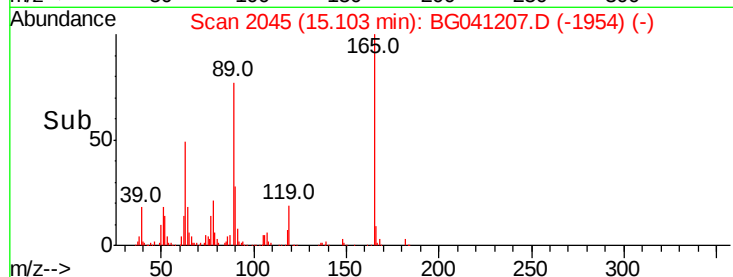
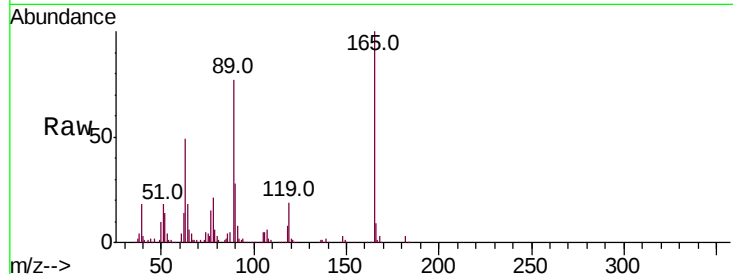
#57
2,4-Dinitrotoluene
Concen: 49.313 ng
RT: 15.10 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	171044		
63	49.1	37.3	55.9	
89	77.3	61.0	91.6	
182	3.1	2.2	3.2	

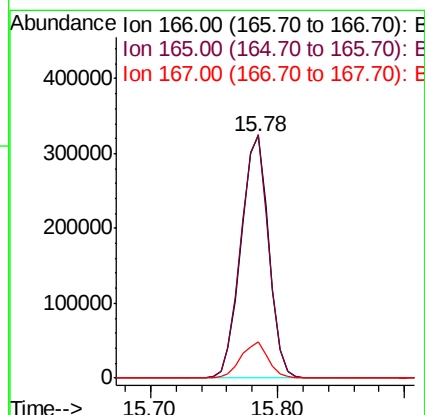
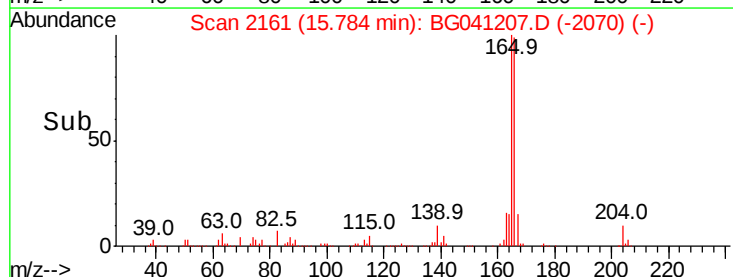
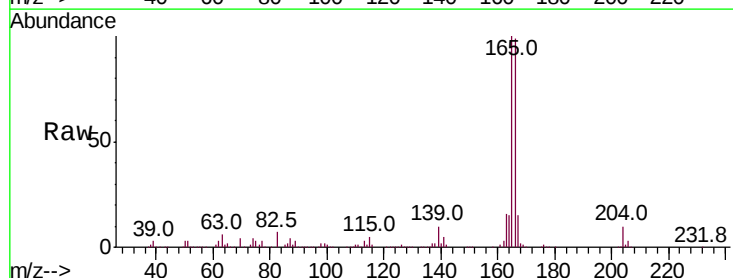
Manual Integrations
APPROVED

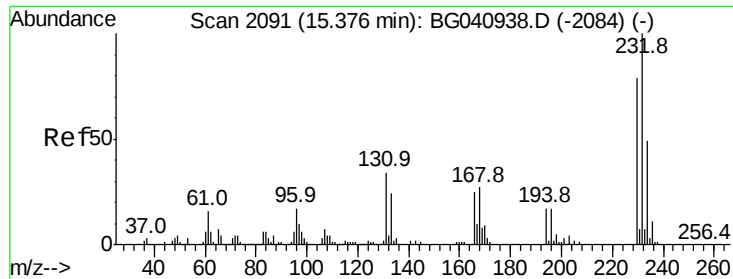
mohammad
6/14/2019 8:36:40 AM



#58
Fluorene
Concen: 46.769 ng
RT: 15.78 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	488524		
165	100.6	79.2	118.8	
167	15.2	11.8	17.6	





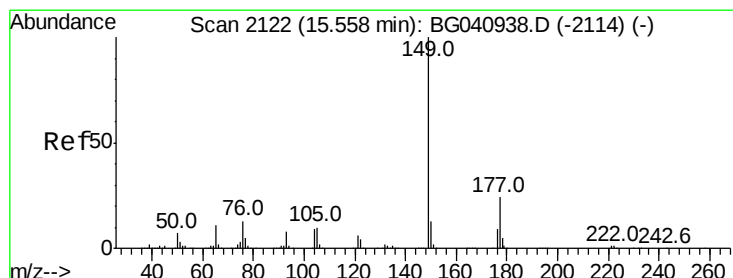
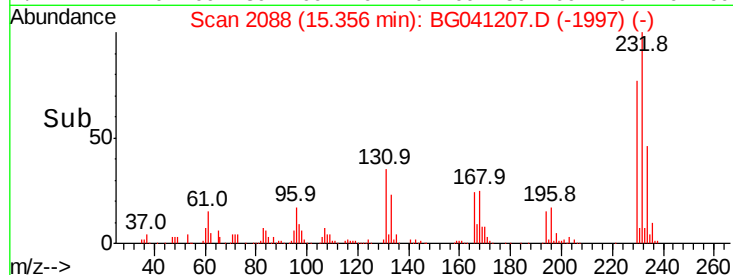
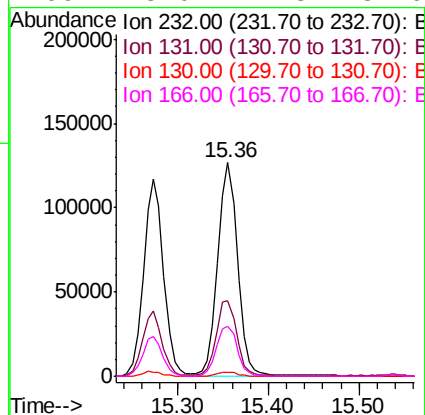
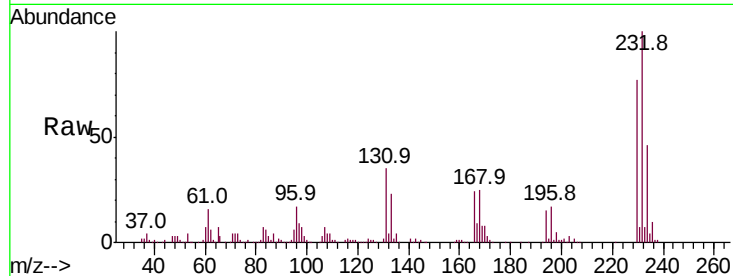
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 53.192 ng
 RT: 15.36 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	193392		
131	36.0		30.3	45.5
130	2.2		1.8	2.8
166	25.0		21.3	31.9

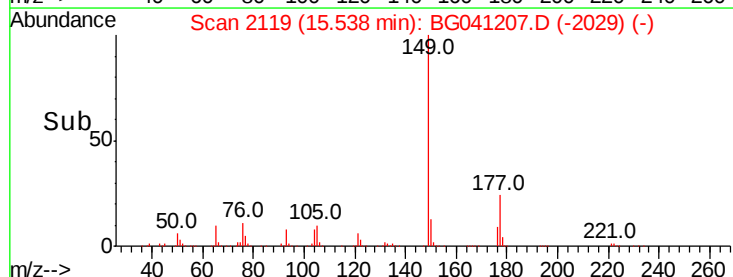
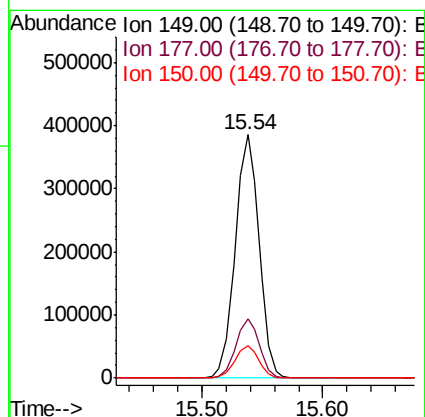
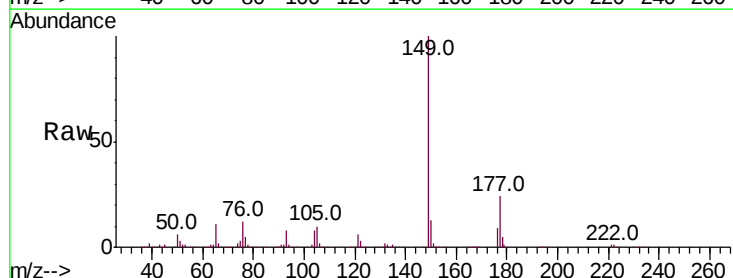
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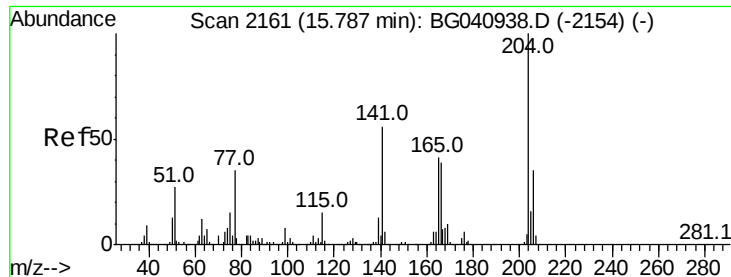
mohammad
 6/14/2019 8:36:40 AM



#60
 Diethylphthalate
 Concen: 45.661 ng
 RT: 15.54 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	530689		
177	24.3		19.4	29.0
150	13.1		10.3	15.5





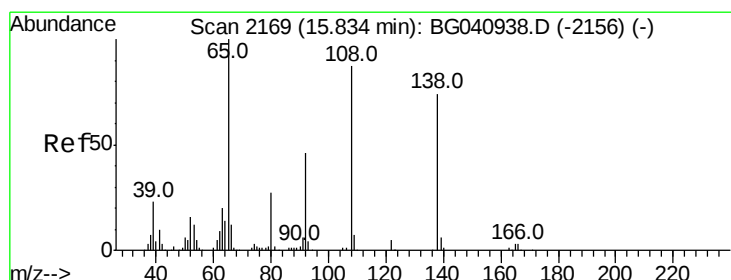
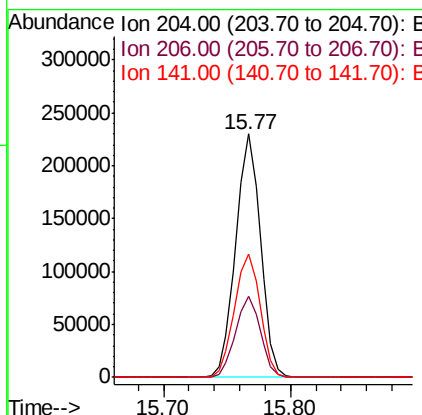
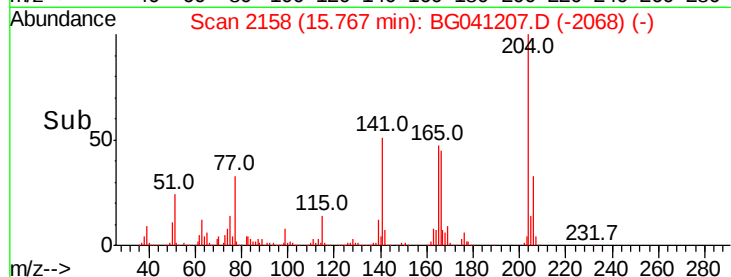
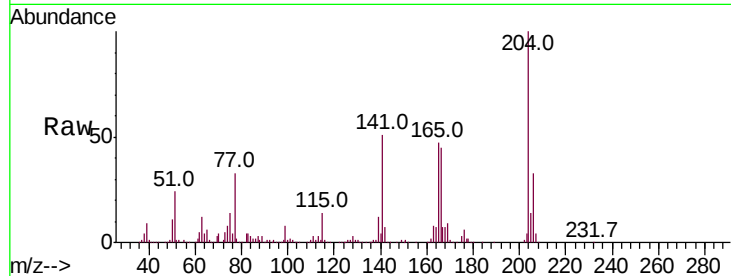
#61
4-Chlorophenyl-phenylether
Concen: 45.696 ng
RT: 15.77 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.6	41.4
141	50.9	45.1	67.7

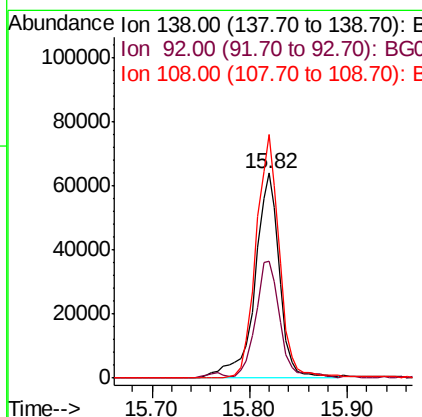
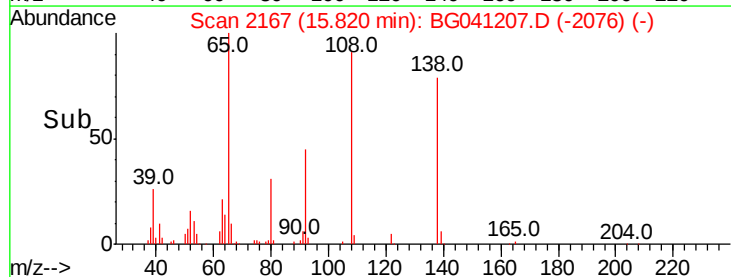
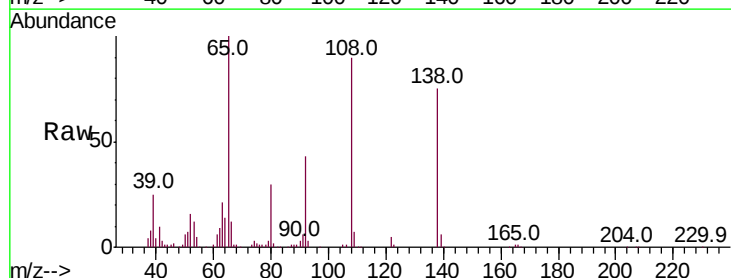
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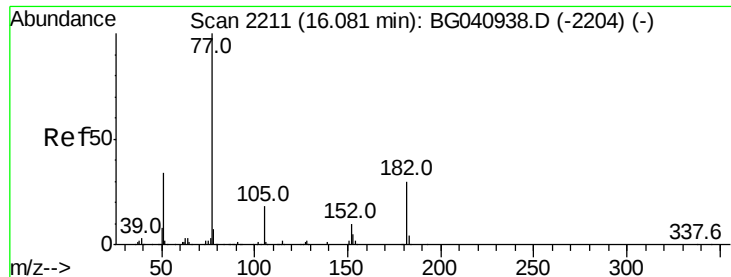
mohammad
6/14/2019 8:36:40 AM



#62
4-Nitroaniline
Concen: 43.849 ng
RT: 15.82 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.1	42.4	82.4
108	118.7	96.9	136.9





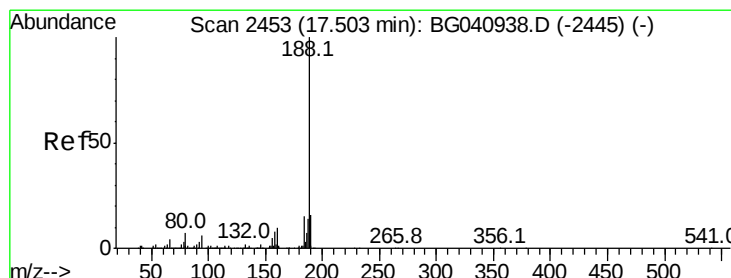
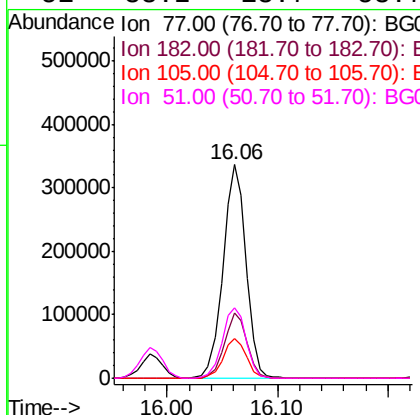
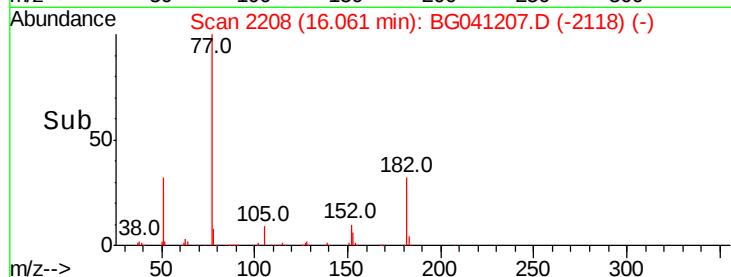
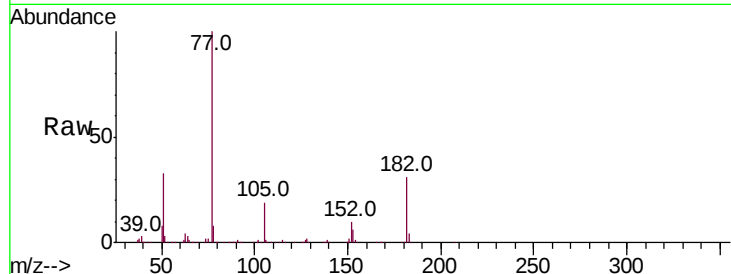
#63
Azobenzene
Concen: 45.793 ng
RT: 16.06 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	77	Resp	483736
Ion Ratio	Lower	Upper	
77	100		
182	30.6	9.6	49.6
105	18.7	0.0	37.5
51	33.2	13.7	53.7

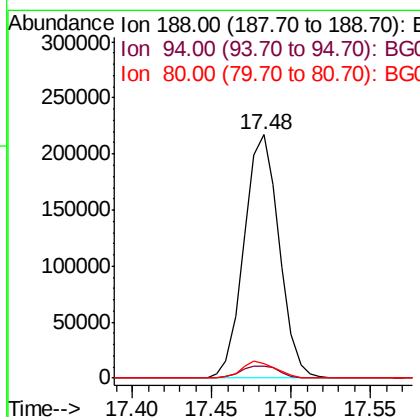
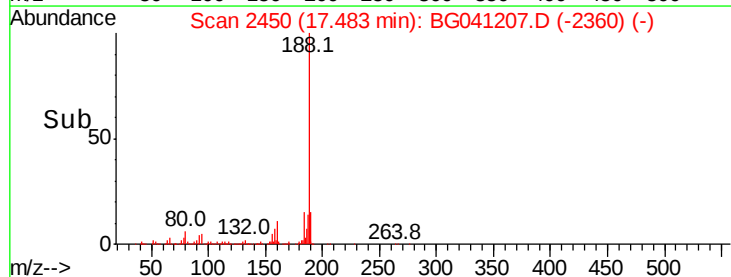
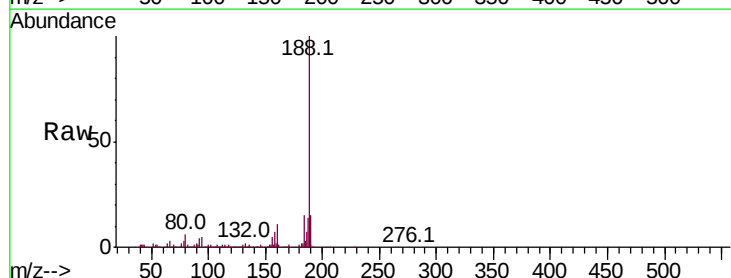
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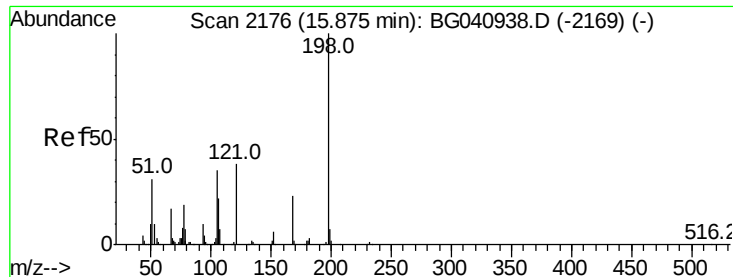
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	188	Resp	334518
Ion Ratio	Lower	Upper	
188	100		
94	4.9	4.7	7.1
80	5.9	5.8	8.8





#65

4,6-Dinitro-2-methylphenol

Concen: 49.732 ng

RT: 15.86 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

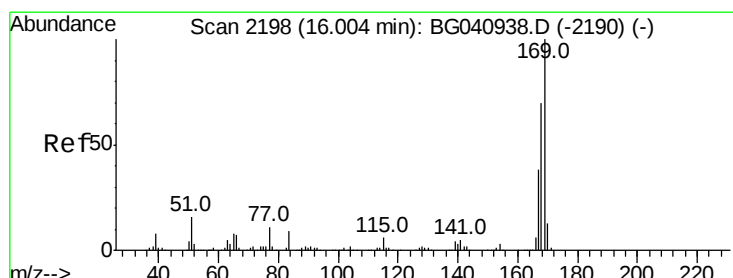
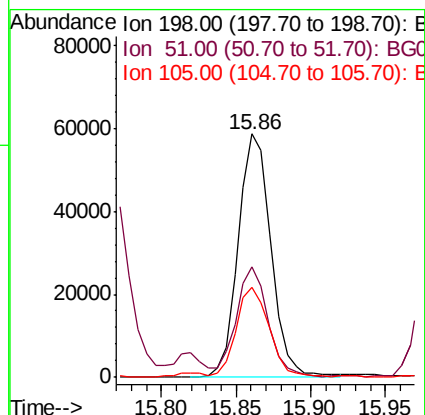
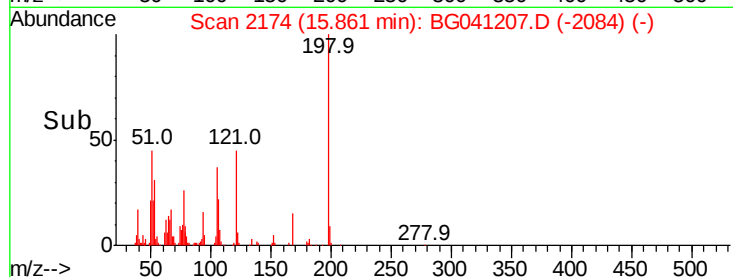
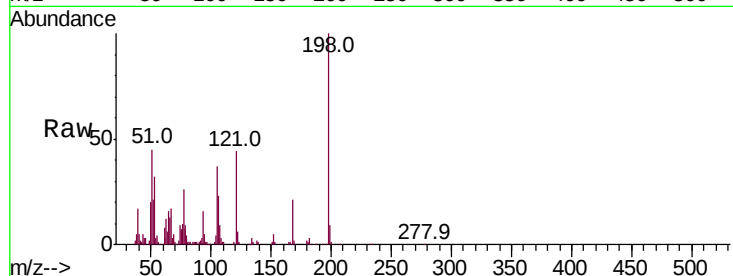
ClientSampleId :

200030-200034MSD

Tot Ion:	198	Resp:	89823
Ion Ratio	Lower	Upper	
198	100		
51	45.2	21.6	61.6
105	36.8	17.5	57.5

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#66

n-Nitrosodiphenylamine

Concen: 48.212 ng

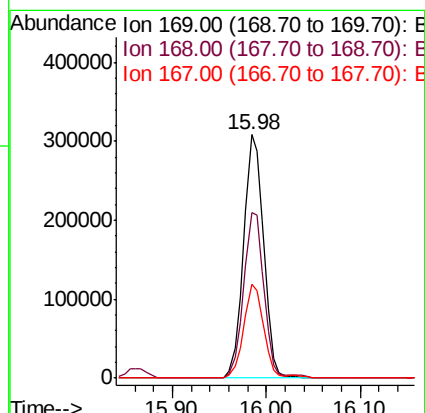
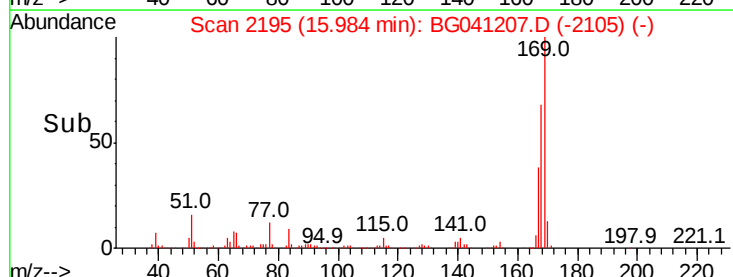
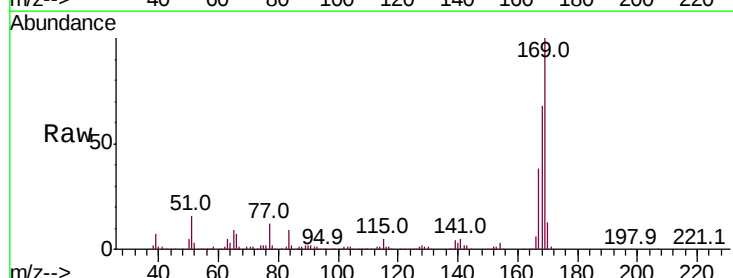
RT: 15.98 min Scan# 2195

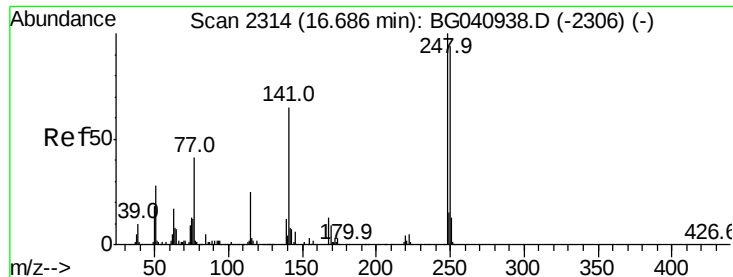
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	169	Resp:	453372
Ion Ratio	Lower	Upper	
169	100		
168	67.8	55.7	83.5
167	38.3	30.2	45.2





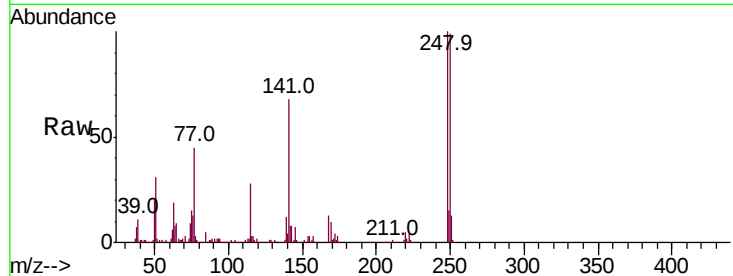
#67
4-Bromophenyl-phenylether
Concen: 44.681 ng
RT: 16.66 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100	201710		
250	98.6	75.0	112.4	
141	67.9	52.4	78.6	

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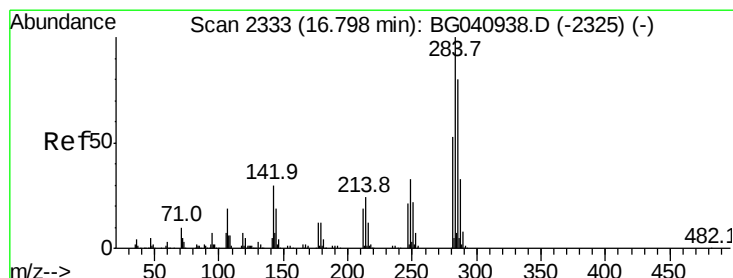
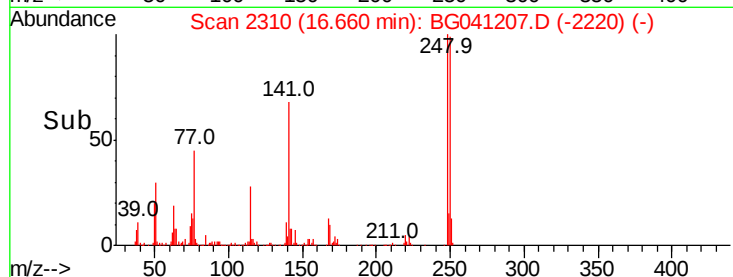
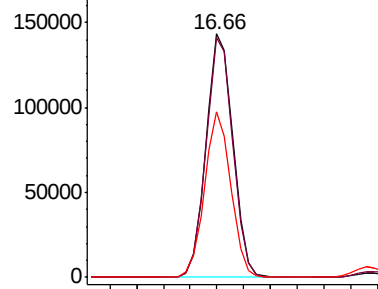


Abundance

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: 44.006 ng
RT: 16.78 min Scan# 2330
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

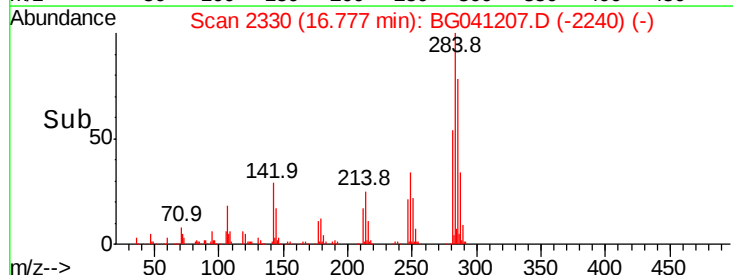
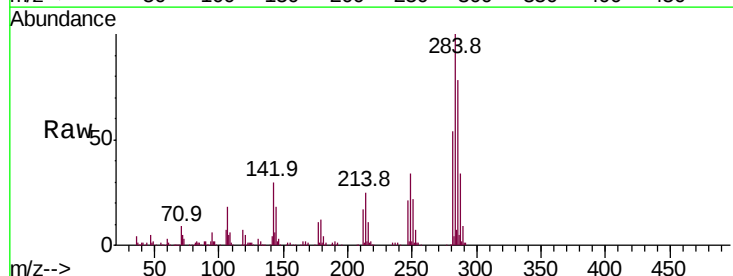
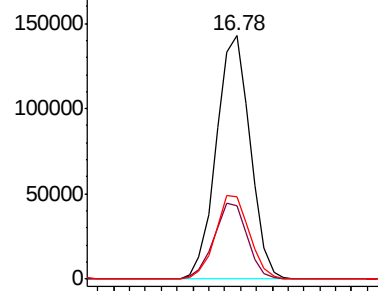
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	211544		
142	29.9	23.9	35.9	
249	33.8	26.8	40.2	

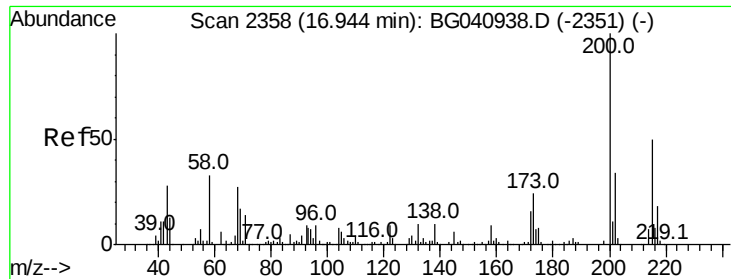
Abundance

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





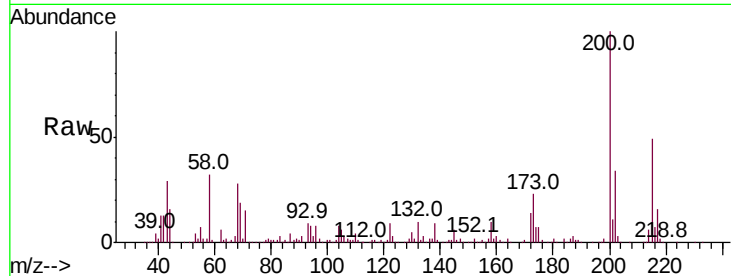
#69
Atrazine
Concen: 53.084 ng
RT: 16.92 min Scan# 2355
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	22.7	3.6	43.6
215	49.5	29.6	69.6

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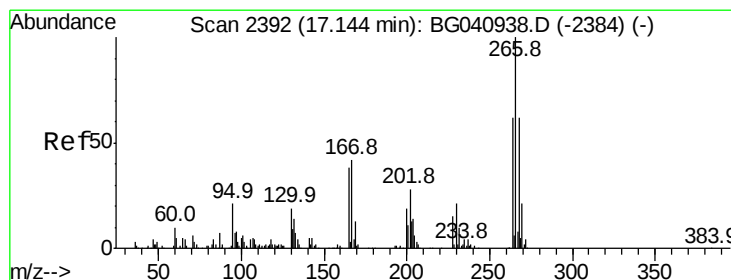
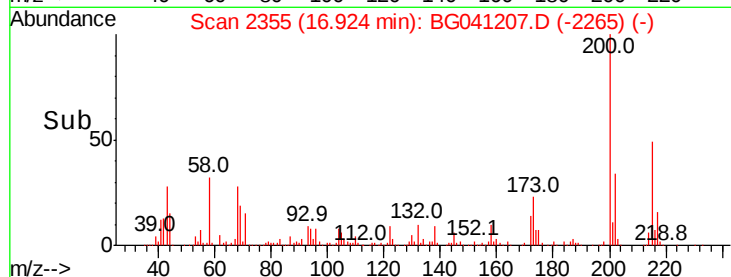
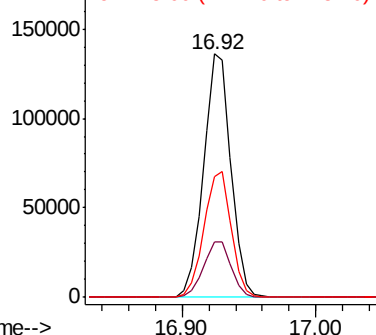


Abundance

Ion 200.00 (199.70 to 200.70): E

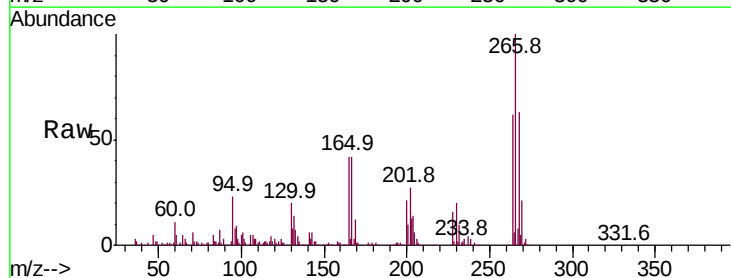
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 93.660 ng
RT: 17.12 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.3	53.1	79.7
264	61.7	49.9	74.9

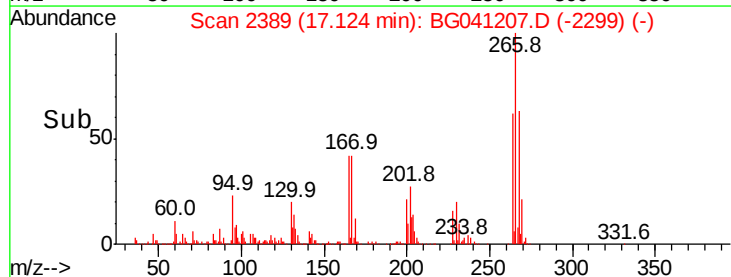
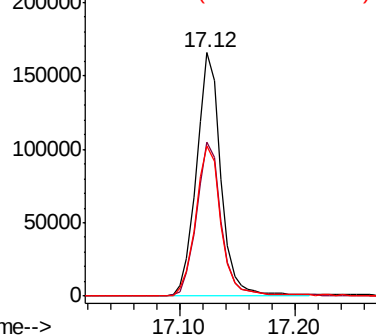


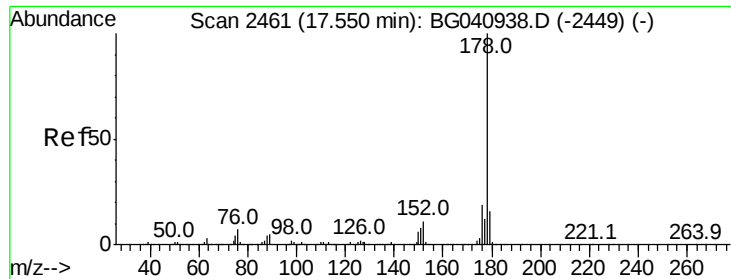
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





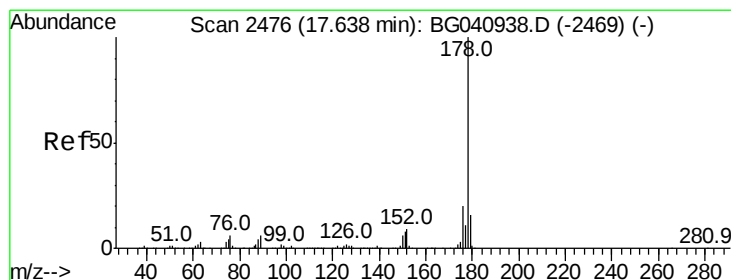
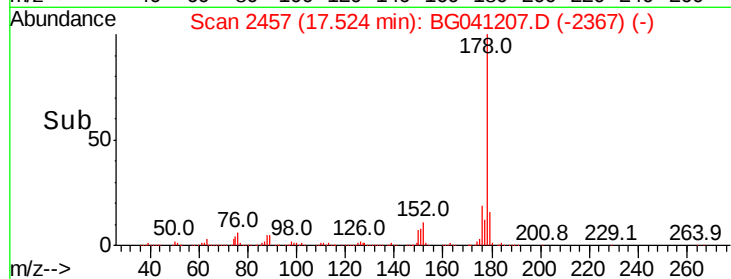
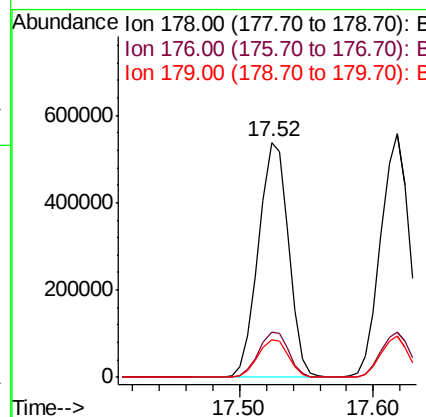
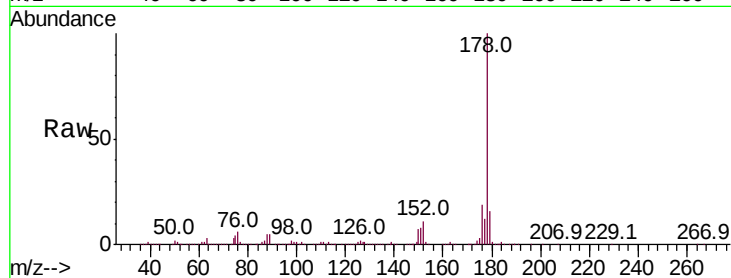
#71
Phenanthrene
Concen: 47.956 ng
RT: 17.52 min Scan# 2457
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.0	12.7	19.1

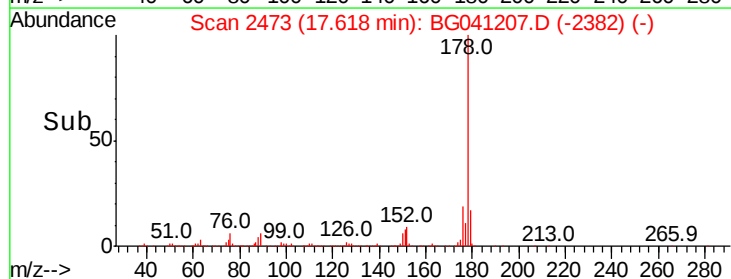
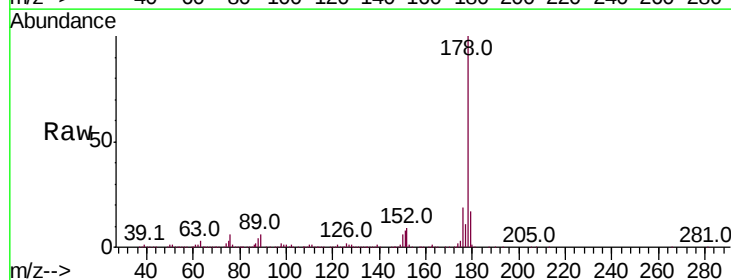
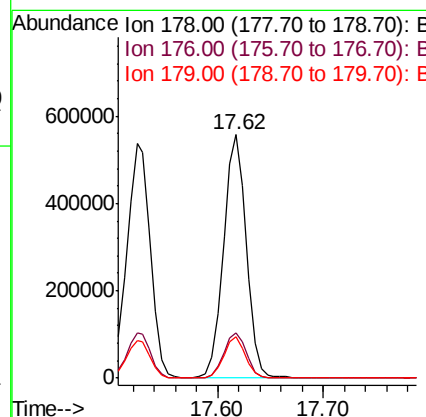
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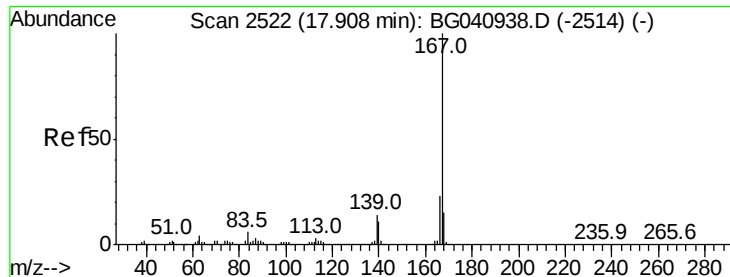
mohammad
6/14/2019 8:36:40 AM



#72
Anthracene
Concen: 48.497 ng
RT: 17.62 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.8	13.0	19.4





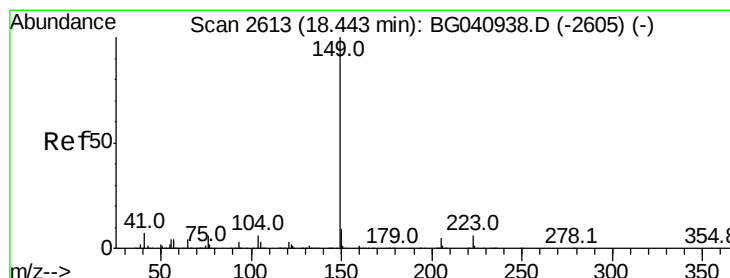
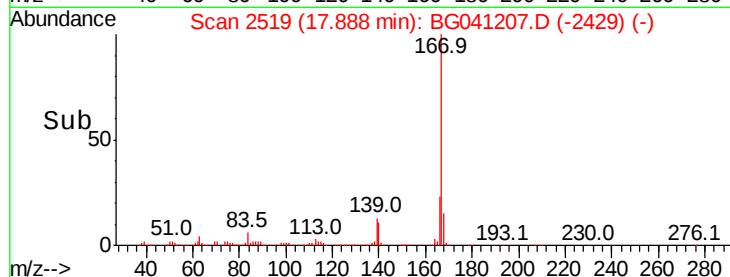
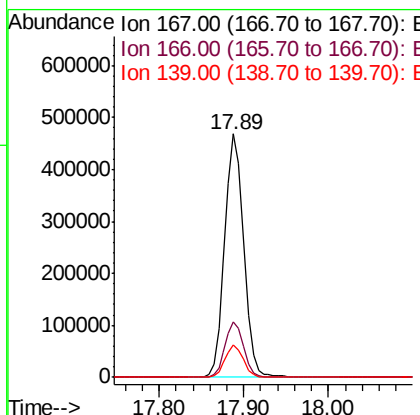
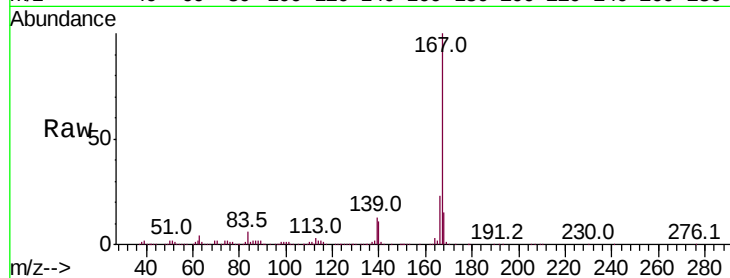
#73
 Carbazole
 Concen: 49.634 ng
 RT: 17.89 min Scan# 2519
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Instrument :
 BNA_G
 ClientSampleId :
 200030-200034MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.2	27.4
139	13.1	10.8	16.2

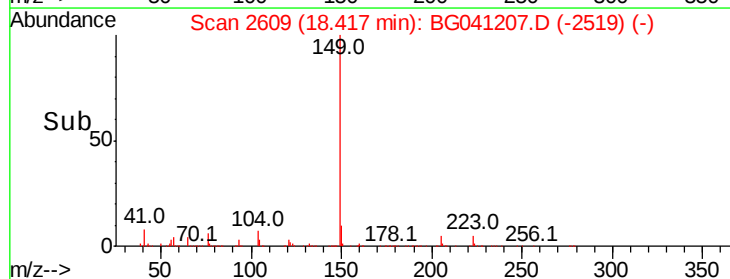
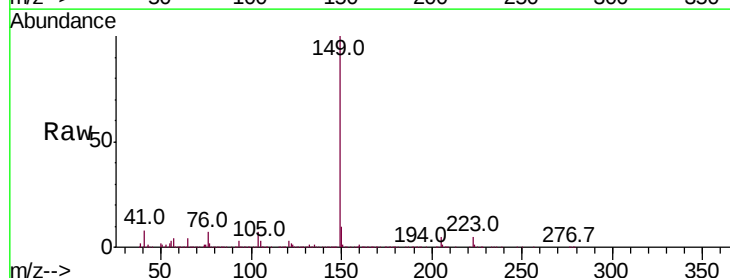
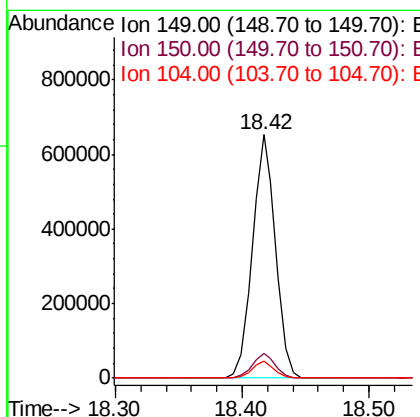
Manual Integrations
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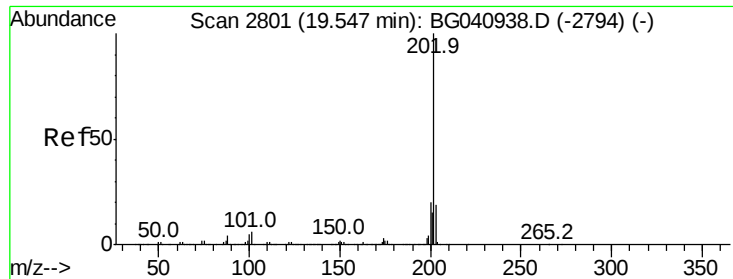
mohammad
 6/14/2019 8:36:40 AM



#74
 Di-n-butylphthalate
 Concen: 45.023 ng
 RT: 18.42 min Scan# 2609
 Delta R.T. 0.00 min
 Lab File: BG041207.D
 Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.4	11.2
104	7.2	5.0	7.4





#75

Fluoranthene

Concen: 51.002 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

Tot Ion:202 Resp: 1097680

Ion Ratio Lower Upper

202 100

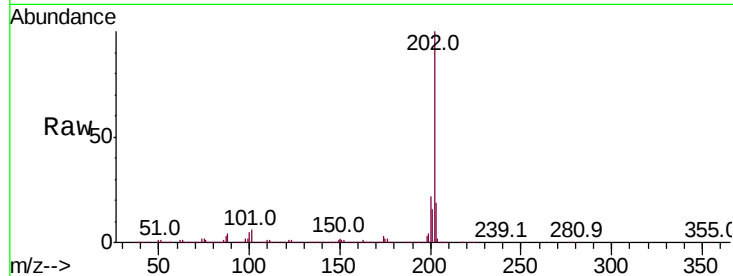
101 6.4 0.0 26.2

203 19.4 0.0 38.7

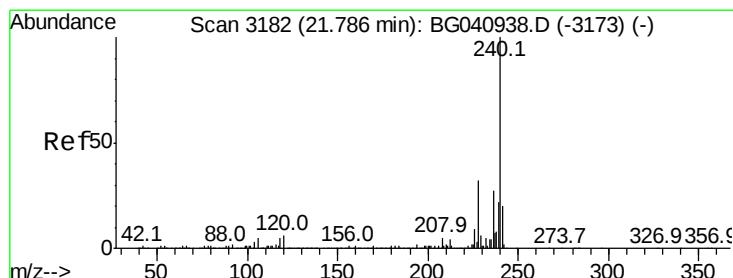
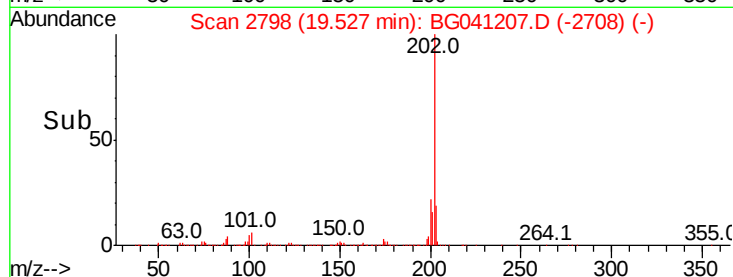
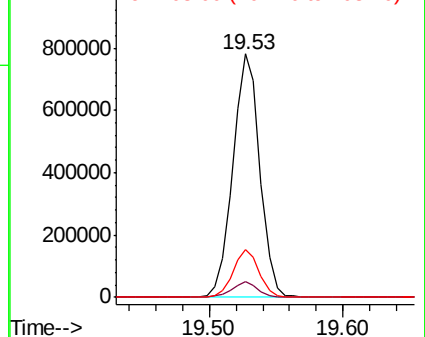
Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

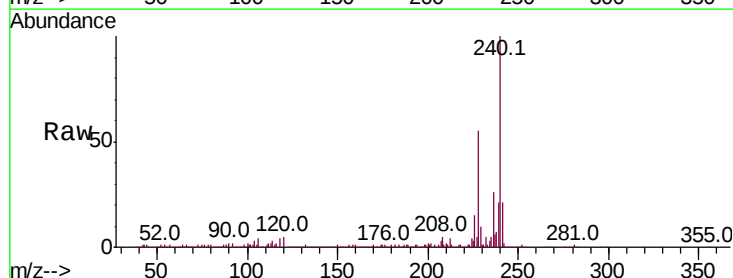
Tgt Ion:240 Resp: 329721

Ion Ratio Lower Upper

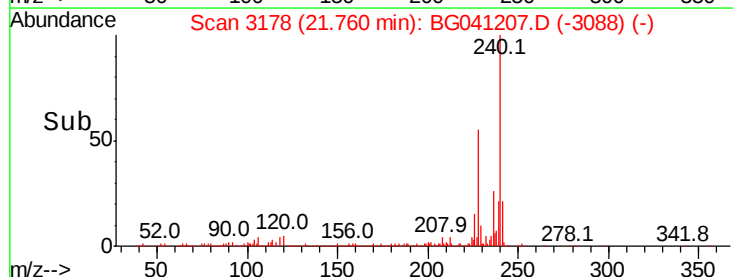
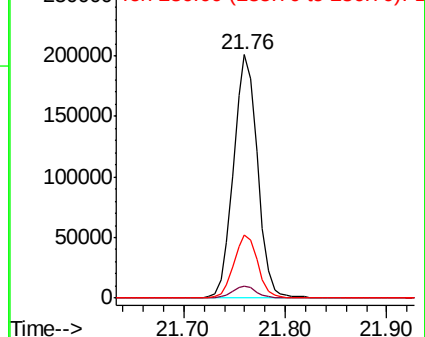
240 100

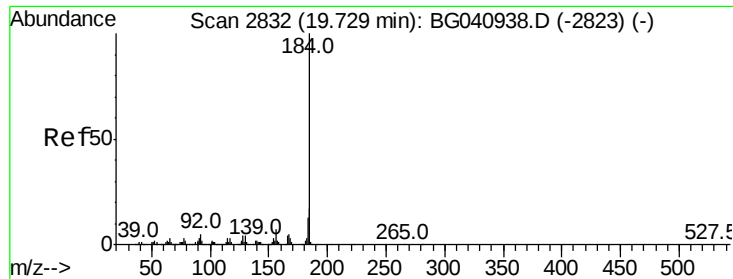
120 4.9 4.5 6.7

236 26.0 21.3 31.9



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: 11.672 ng

RT: 19.71 min Scan# 2829

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

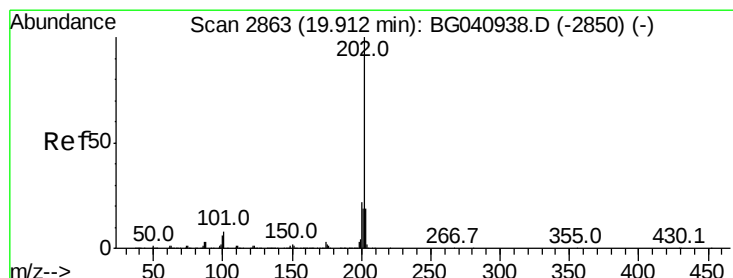
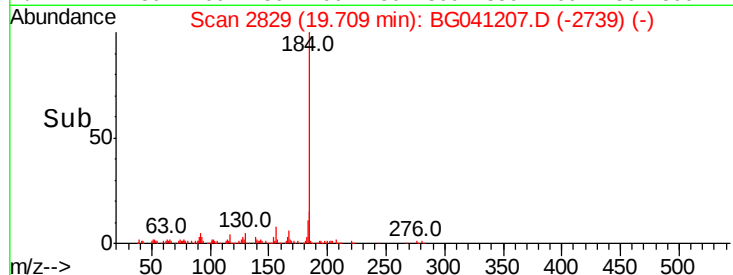
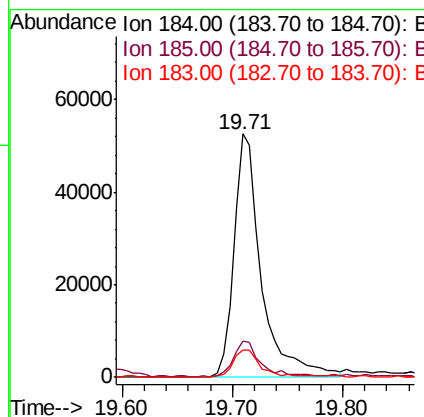
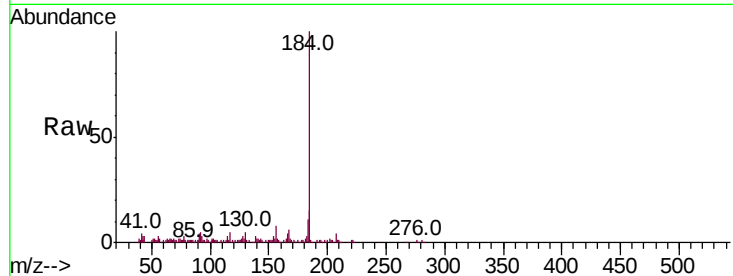
ClientSampleId :

200030-200034MSD

Tot Ion:	184	Resp:	91810
Ion Ratio	Lower	Upper	
184	100		
185	15.1	13.3	19.9
183	11.3	10.7	16.1

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#78

Pyrene

Concen: 50.784 ng

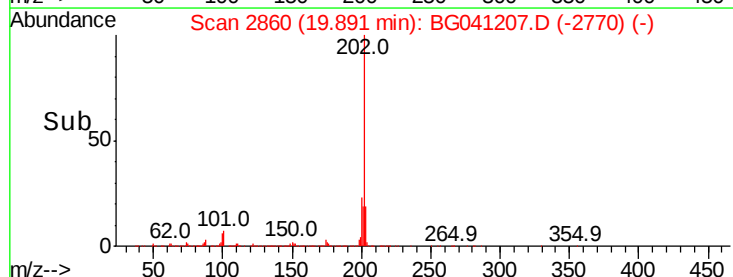
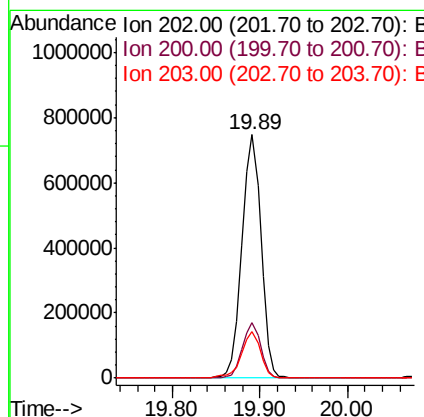
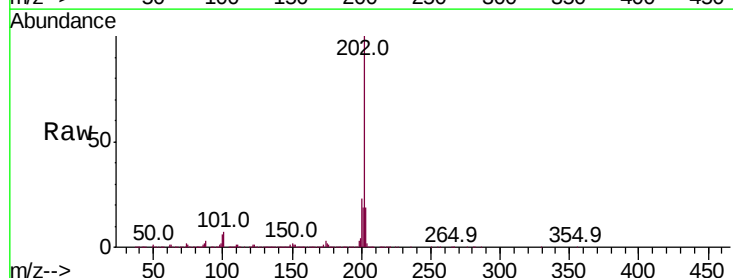
RT: 19.89 min Scan# 2860

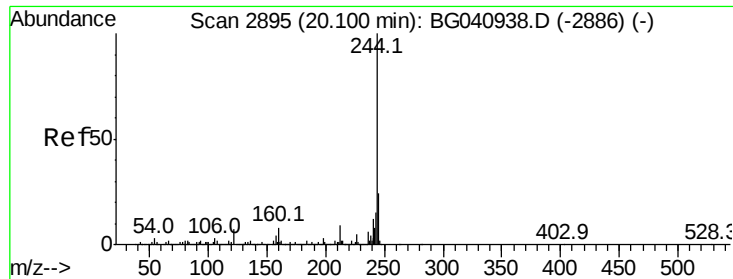
Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Tgt Ion:	202	Resp:	1088497
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.5	26.3
203	18.9	15.6	23.4





#79

Terphenyl-d14

Concen: 102.361 ng

RT: 20.07 min Scan# 2891

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

ClientSampleId :

200030-200034MSD

Tot Ion:244 Resp: 1590247

Ion Ratio Lower Upper

244 100

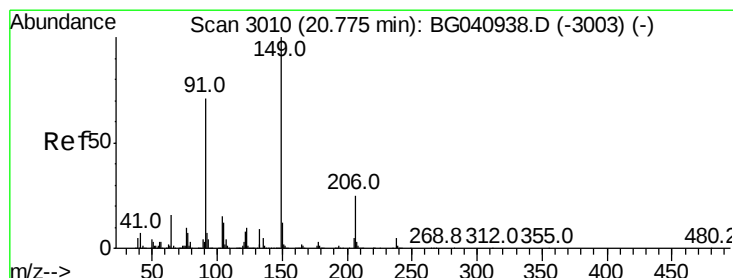
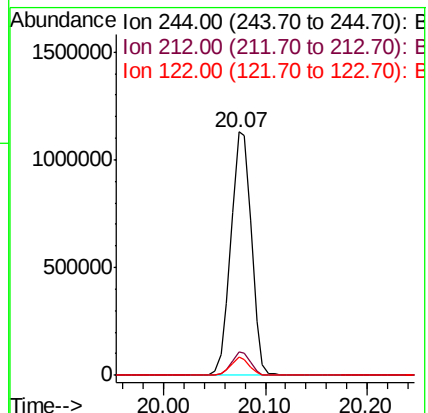
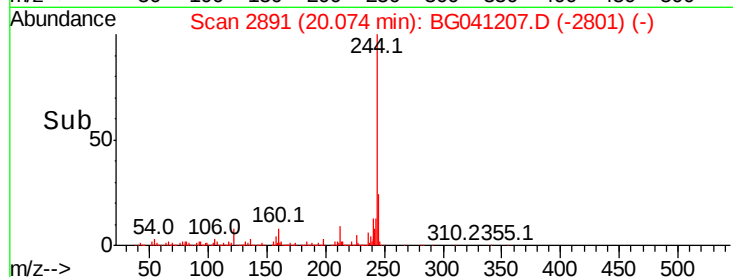
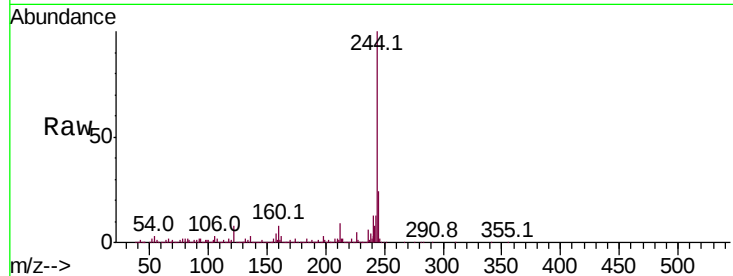
212 9.4 7.0 10.4

122 7.7 5.4 8.0

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#80

Butylbenzylphthalate

Concen: 46.236 ng

RT: 20.76 min Scan# 3007

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

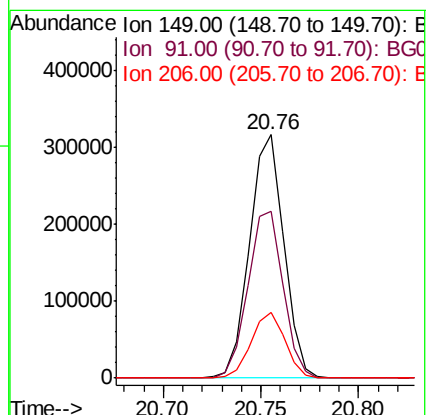
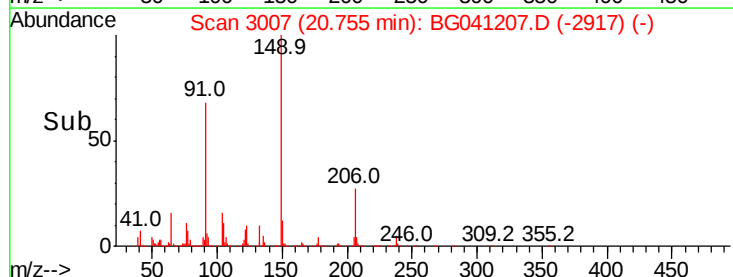
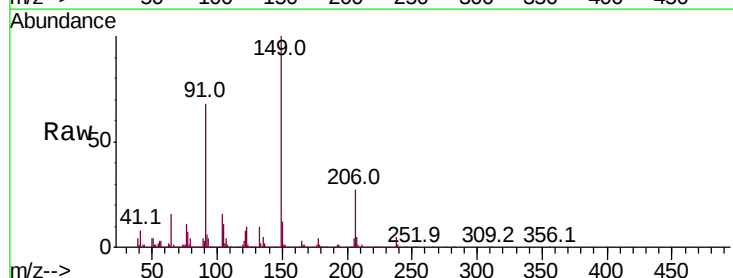
Tgt Ion:149 Resp: 385668

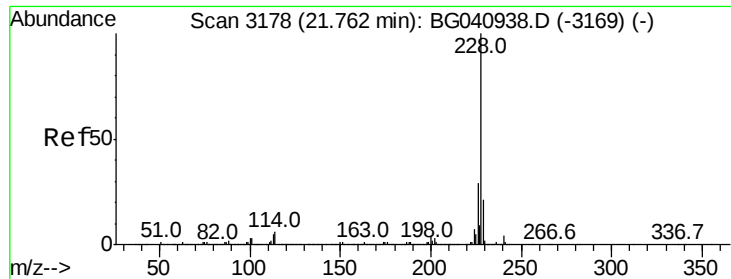
Ion Ratio Lower Upper

149 100

91 68.4 56.5 84.7

206 26.9 20.3 30.5





#81

Benzo(a)anthracene

Concen: 47.062 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

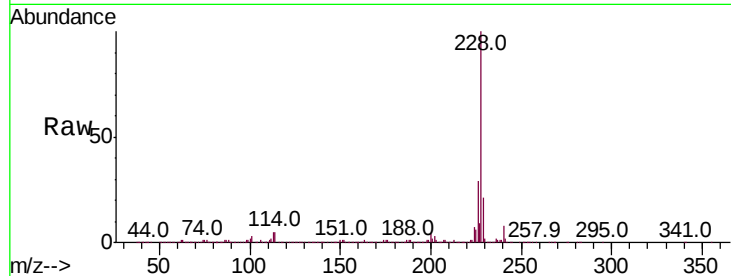
ClientSampleId :

200030-200034MSD

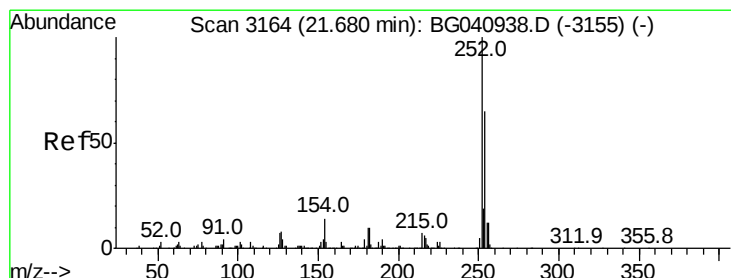
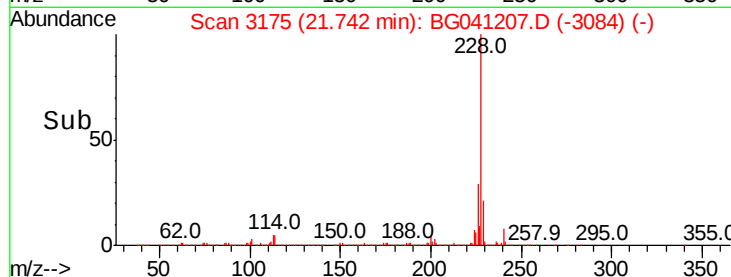
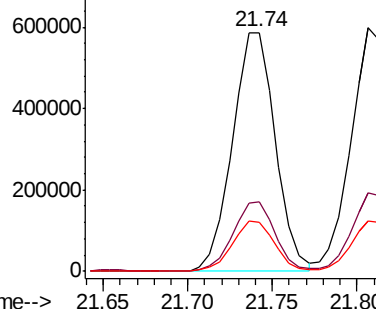
Tot Ion:	228	Resp:	1032930
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.5	35.3
229	20.8	16.7	25.1

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Abundance Ion 228.00 (227.70 to 228.70): E
800000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 34.596 ng

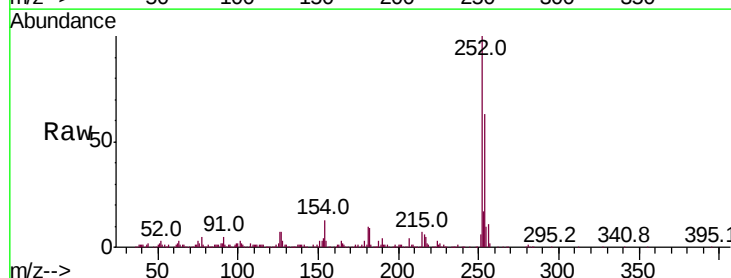
RT: 21.65 min Scan# 3160

Delta R.T. 0.00 min

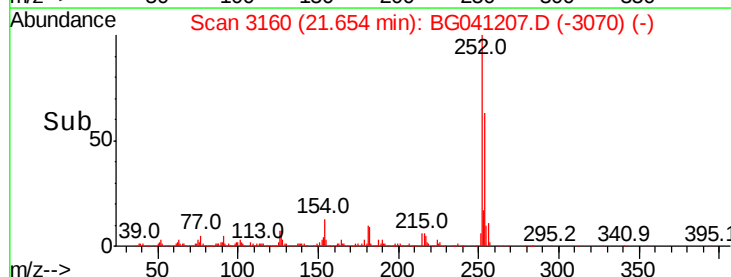
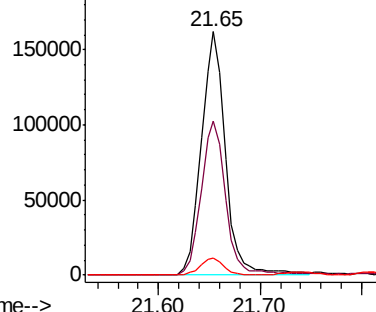
Lab File: BG041207.D

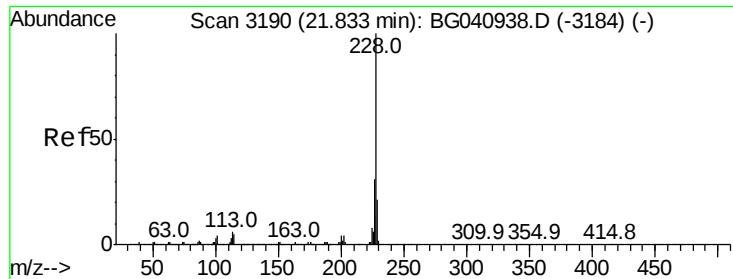
Acq: 12 Jun 2019 15:39

Tgt Ion:	252	Resp:	267072
Ion	Ratio	Lower	Upper
252	100		
254	63.0	52.1	78.1
126	7.2	5.5	8.3



Abundance Ion 252.00 (251.70 to 252.70): E
200000 Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





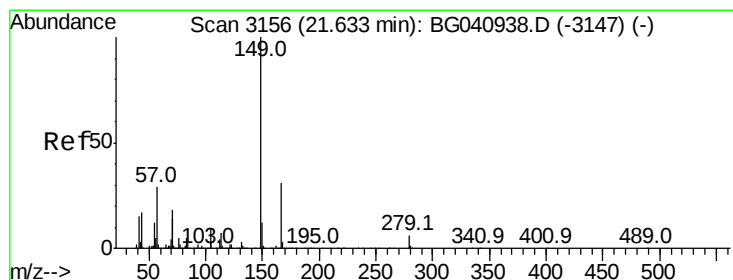
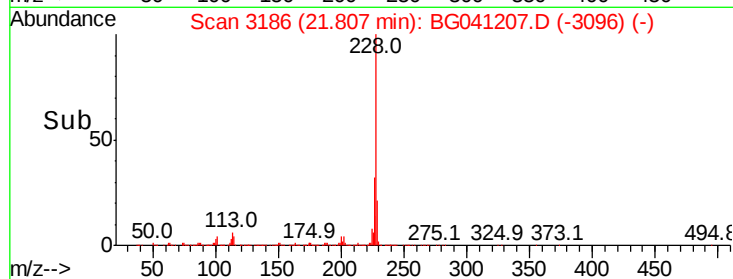
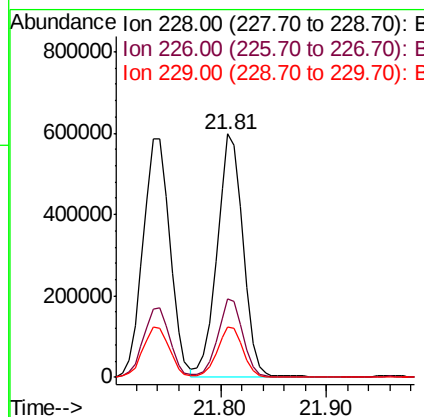
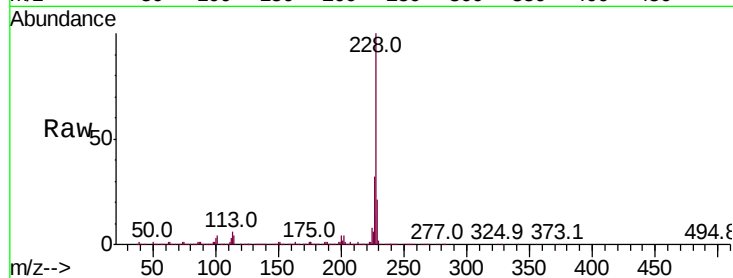
#83
Chrysene
Concen: 48.649 ng
RT: 21.81 min Scan# 3186
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion:228 Resp: 1021795
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 20.7 16.6 24.8

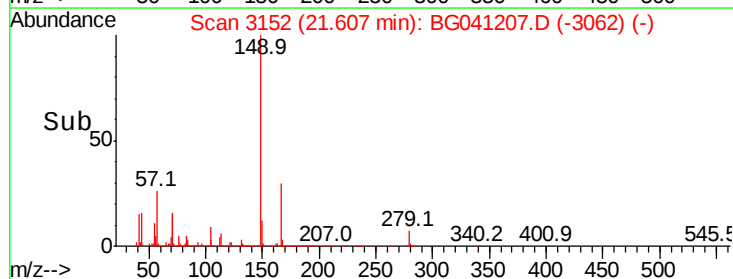
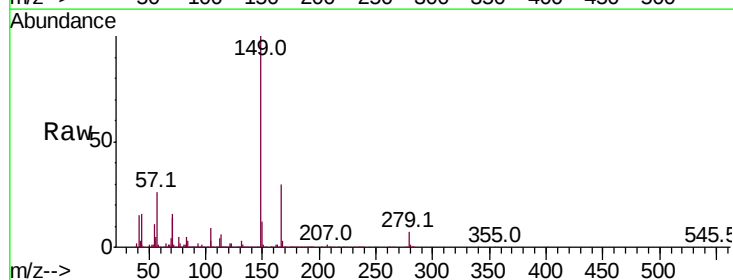
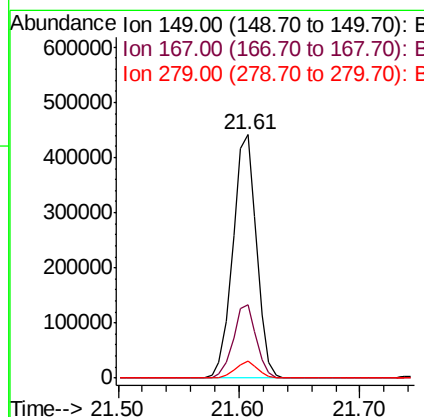
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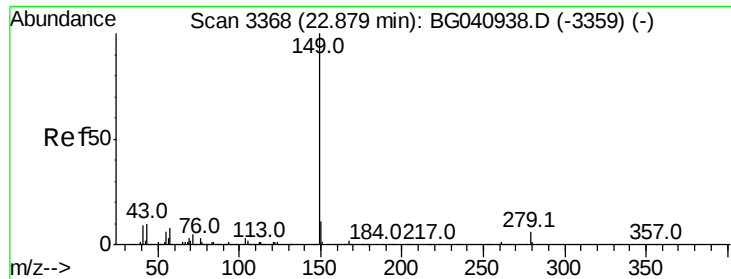
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#84
Bis(2-ethylhexyl)phthalate
Concen: 50.986 ng
RT: 21.61 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion:149 Resp: 598685
Ion Ratio Lower Upper
149 100
167 30.0 24.6 37.0
279 6.8 5.0 7.6





#85

Di-n-octyl phthalate

Concen: 47.730 ng

RT: 22.84 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

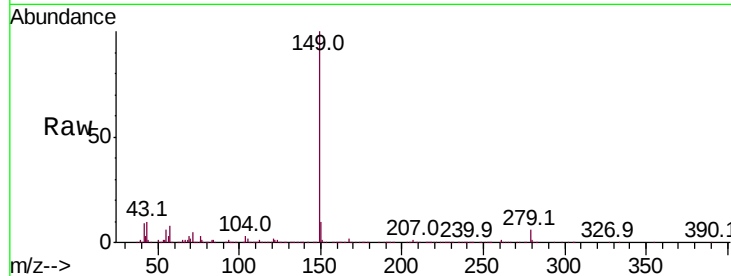
ClientSampleId :

200030-200034MSD

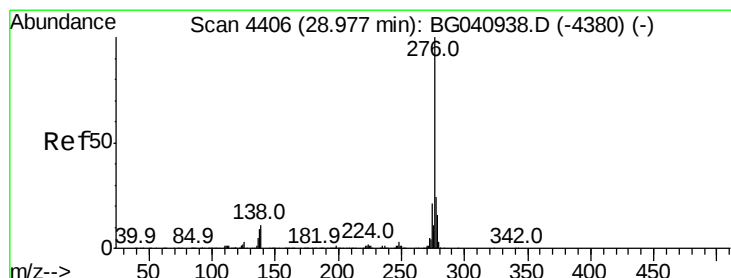
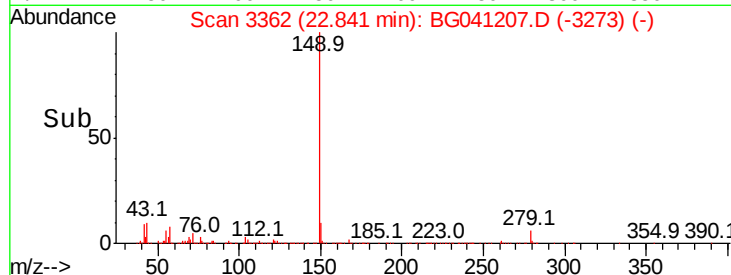
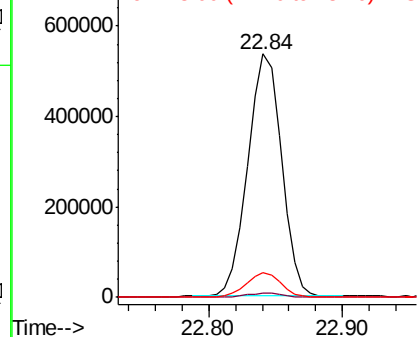
Tot Ion:	149	Resp:	933400
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	10.1	8.1	12.1

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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: 41.597 ng m

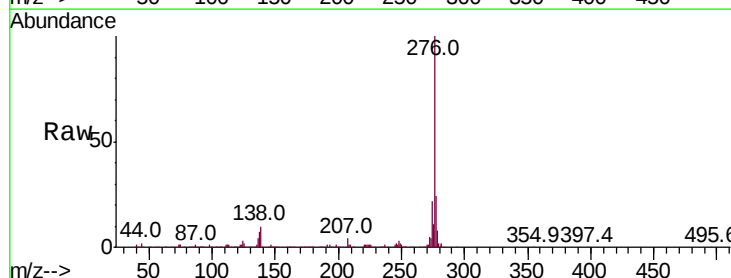
RT: 28.89 min Scan# 4392

Delta R.T. -0.01 min

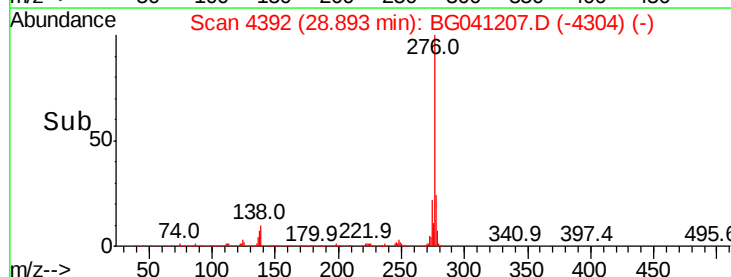
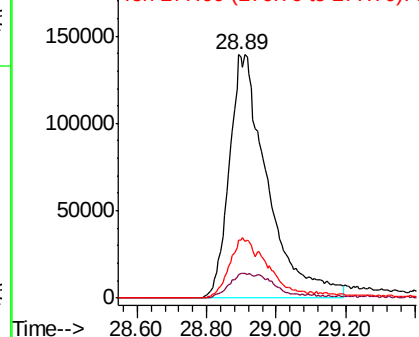
Lab File: BG041207.D

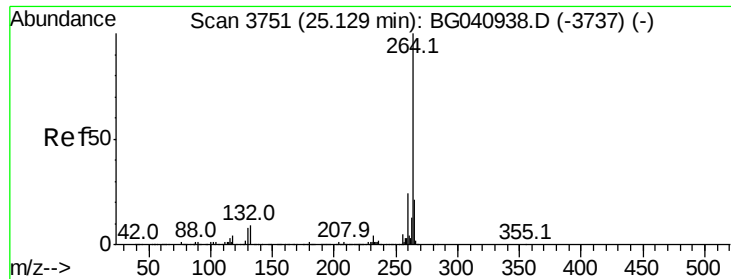
Acq: 12 Jun 2019 15:39

Tgt Ion:	276	Resp:	1070259
Ion Ratio	Lower	Upper	
276	100		
138	6.5	5.7	8.5
277	14.9	20.8	31.2#



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: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041207.D

Acq: 12 Jun 2019 15:39

Instrument :

BNA_G

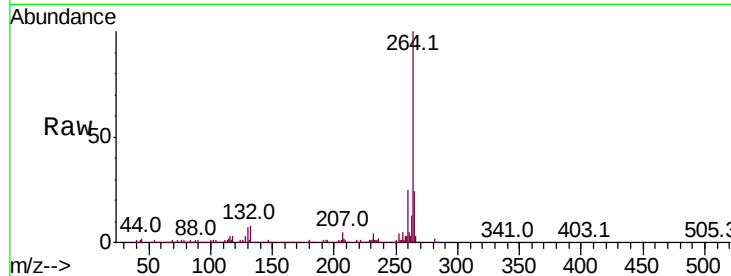
ClientSampleId :

200030-200034MSD

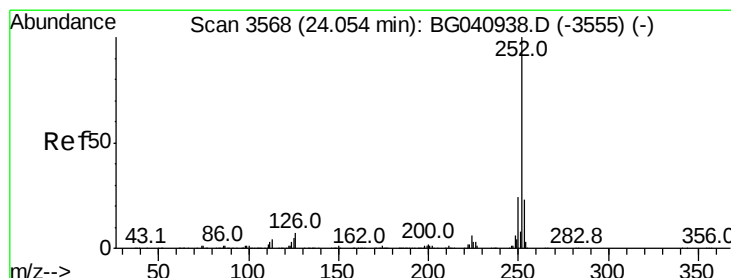
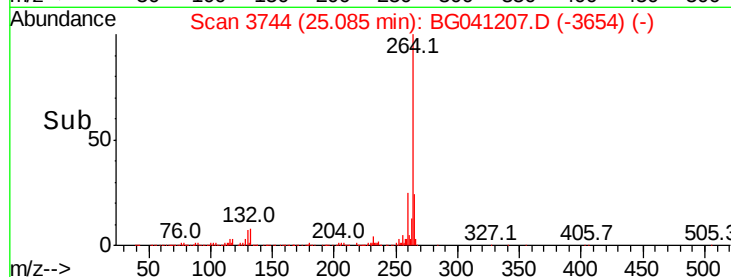
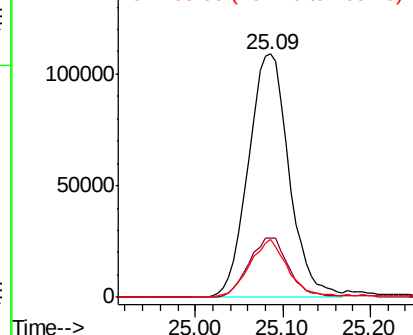
Tot Ion:	264	Resp:	346220
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.0	28.4
265	23.8	17.0	25.4

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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: 50.025 ng

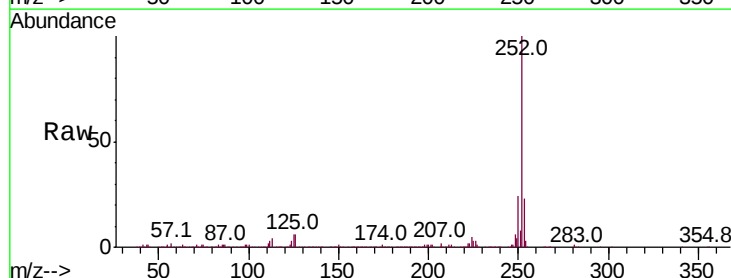
RT: 24.02 min Scan# 3563

Delta R.T. 0.01 min

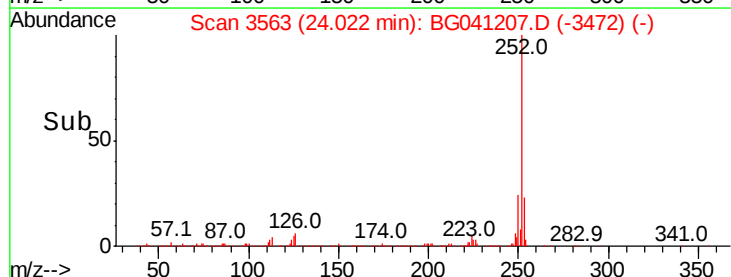
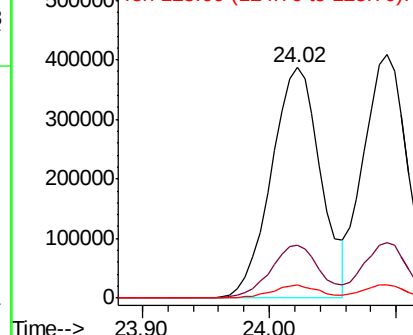
Lab File: BG041207.D

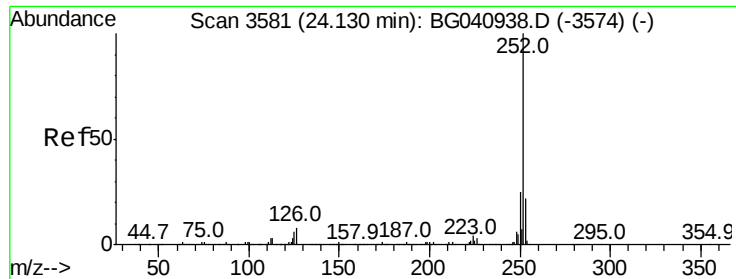
Acq: 12 Jun 2019 15:39

Tgt Ion:	252	Resp:	1050492
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.4	27.6
125	5.5	4.3	6.5



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





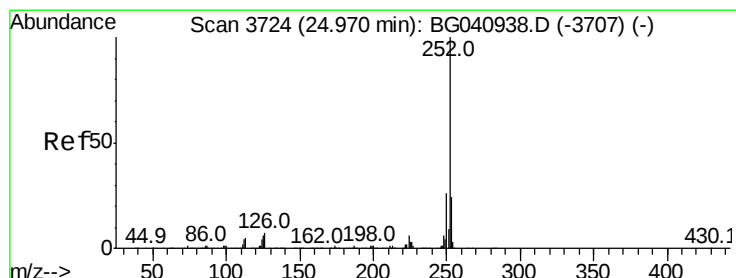
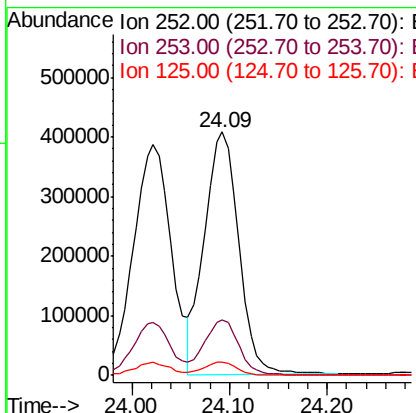
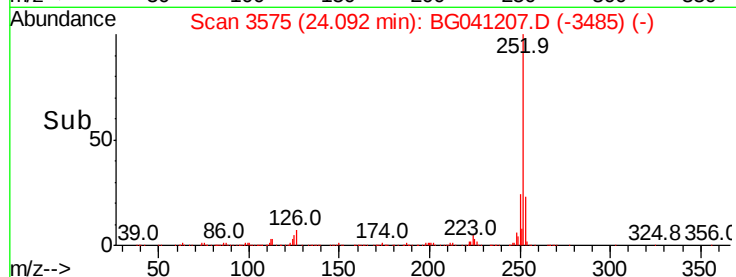
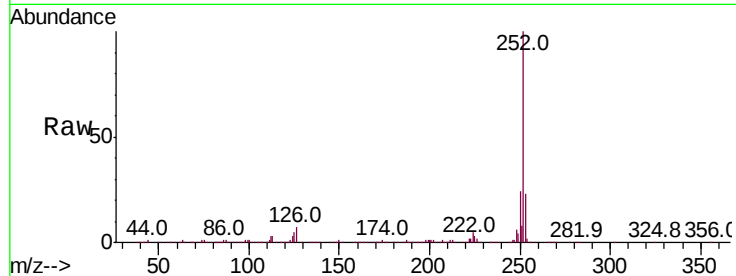
#89
Benzo(k)fluoranthene
Concen: 47.775 ng
RT: 24.09 min Scan# 3575
Delta R.T. 0.00 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	5.4	4.7	7.1

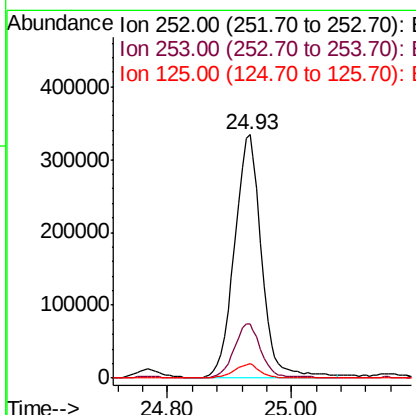
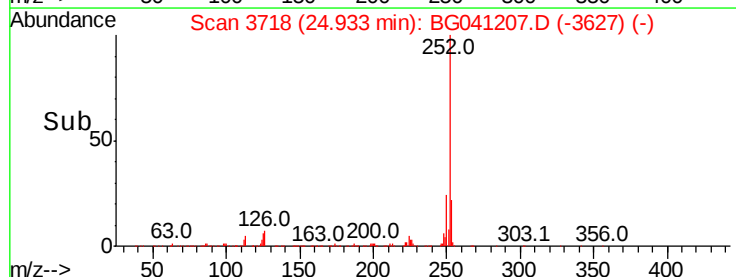
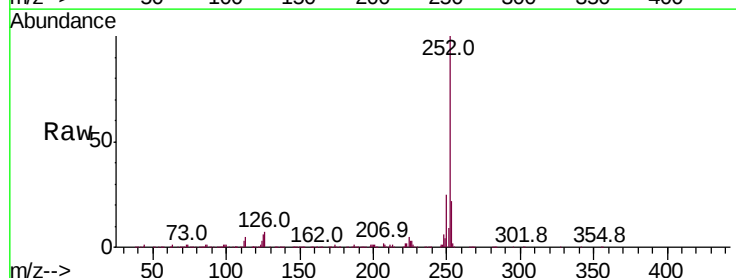
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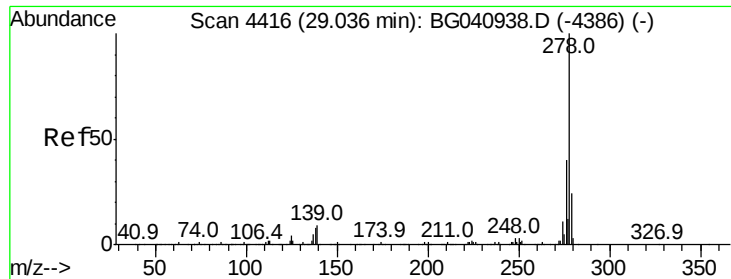
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#90
Benzo(a)pyrene
Concen: 50.657 ng
RT: 24.93 min Scan# 3718
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.5	29.3
125	5.7	5.1	7.7





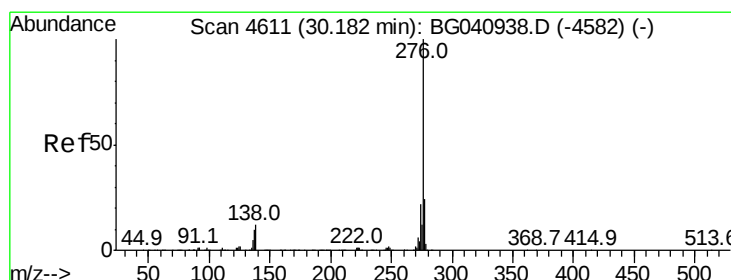
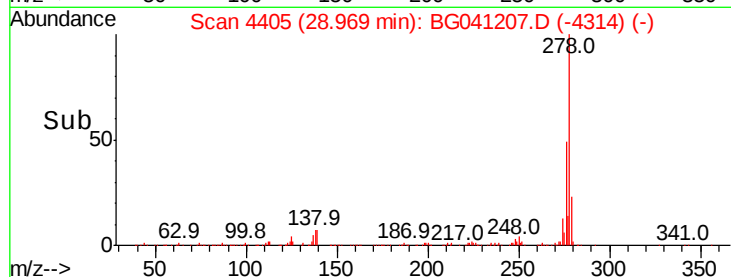
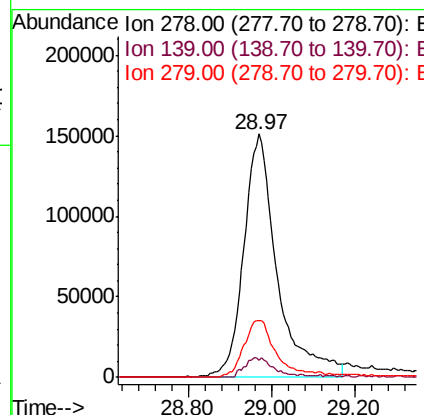
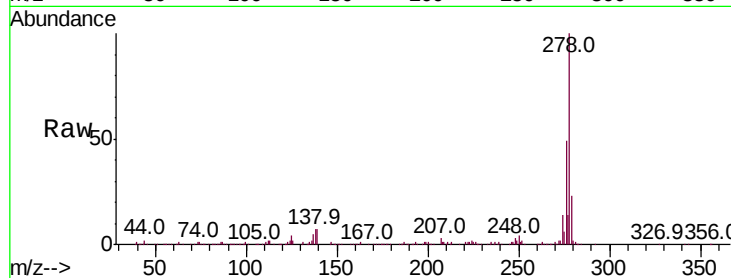
#91
Dibenzo(a,h)anthracene
Concen: 41.824 ng
RT: 28.97 min Scan# 4405
Delta R.T. 0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Instrument :
BNA_G
ClientSampleId :
200030-200034MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.2	7.1	10.7
279	23.2	19.4	29.2

Manual Integrations
APPROVED

mohammad
6/14/2019 8:36:40 AM



#92
Benzo(g,h,i)perylene
Concen: 40.290 ng
RT: 30.10 min Scan# 4598
Delta R.T. -0.01 min
Lab File: BG041207.D
Acq: 12 Jun 2019 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	11.9	9.7	14.5

