

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080119\
 Data File : BG041858.D
 Acq On : 1 Aug 2019 11:43
 Operator : HP/JU
 Sample : K3621-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Manual Integrations
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mohammad
 8/5/2019 1:47:22 PM

Quant Time: Aug 01 15:12:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	102589	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	389076	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	279000	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	637012	20.00	ng	0.00
76) Chrysene-d12	21.74	240	644182	20.00	ng	0.00
87) Perylene-d12	25.01	264	744326	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	677078	128.41	ng	0.00
7) Phenol-d6	7.20	99	855530	120.35	ng	0.00
23) Nitrobenzene-d5	9.21	82	615285	108.83	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	552677	174.40	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	1575278	99.58	ng	0.00
79) Terphenyl-d14	20.07	244	2516584	89.39	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.48	88	79865	32.181	ng	# 30
3) Pyridine	3.89	79	189806	27.890	ng	88
4) n-Nitrosodimethylamine	3.79	42	108081	40.061	ng	99
6) Aniline	7.36	93	207278	20.708	ng	94
8) 2-Chlorophenol	7.60	128	285826	47.339	ng	95
9) Benzaldehyde	7.17	77	137060	27.401	ng	92
10) Phenol	7.22	94	294323	39.798	ng	96
11) bis(2-Chloroethyl)ether	7.46	93	256695	42.221	ng	94
12) 1,3-Dichlorobenzene	7.93	146	329057	41.757	ng	99
13) 1,4-Dichlorobenzene	8.08	146	331365	42.024	ng	97
14) 1,2-Dichlorobenzene	8.40	146	312316	41.509	ng	96
15) Benzyl Alcohol	8.28	79	254929	45.584	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.57	45	423690	39.171	ng	97
17) 2-Methylphenol	8.49	107	241910	44.978	ng	98
18) Hexachloroethane	9.14	117	118359	43.833	ng	93
19) n-Nitroso-di-n-propylamine	8.86	70	215120	41.683	ng	91
20) 3+4-Methylphenols	8.82	107	327956	44.559	ng	99
22) Acetophenone	8.87	105	427216	49.090	ng	# 93
24) Nitrobenzene	9.25	77	305593	51.305	ng	99
25) Isophorone	9.78	82	588999	47.890	ng	99
26) 2-Nitrophenol	9.97	139	178081	64.419	ng	93
27) 2,4-Dimethylphenol	10.03	122	283525	58.111	ng	98
28) bis(2-Chloroethoxy)methane	10.27	93	357044	46.455	ng	99
29) 2,4-Dichlorophenol	10.51	162	335260	56.426	ng	97
30) 1,2,4-Trichlorobenzene	10.73	180	364249	48.344	ng	98
31) Naphthalene	10.92	128	864988	48.576	ng	98
32) Benzoic acid	10.11	122	29857	15.737	ng	93
33) 4-Chloroaniline	11.02	127	48505	5.744	ng	98
34) Hexachlorobutadiene	11.21	225	238002	46.804	ng	99
35) Caprolactam	11.81	113	86680m	41.979	ng	
36) 4-Chloro-3-methylphenol	12.15	107	329993	56.021	ng	99
37) 2-Methylnaphthalene	12.53	142	691008	49.026	ng	99
38) 1-Methylnaphthalene	12.75	142	658818	49.323	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	446435	50.550	ng	98

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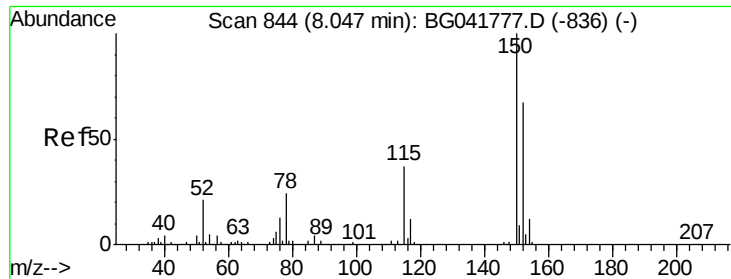
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Quant Time: Aug 01 15:12:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	515234	103.766	ng	99
43) 2,4,6-Trichlorophenol	13.13	196	314586	56.358	ng	97
44) 2,4,5-Trichlorophenol	13.20	196	341582	58.887	ng	95
46) 1,1'-Biphenyl	13.53	154	897980	50.069	ng	96
47) 2-Chloronaphthalene	13.57	162	739360	48.420	ng	97
48) 2-Nitroaniline	13.77	65	216728	55.963	ng	91
49) Acenaphthylene	14.42	152	1149681	50.334	ng	98
50) Dimethylphthalate	14.15	163	979666	51.414	ng	99
51) 2,6-Dinitrotoluene	14.27	165	239068	60.002	ng #	87
52) Acenaphthene	14.77	154	727812	48.992	ng	100
53) 3-Nitroaniline	14.59	138	75610	17.738	ng #	93
54) 2,4-Dinitrophenol	14.80	184	88293	44.417	ng	93
55) Dibenzofuran	15.10	168	1138731	50.115	ng	97
56) 4-Nitrophenol	14.90	139	357851	110.600	ng	95
57) 2,4-Dinitrotoluene	15.05	165	331813	60.557	ng	90
58) Fluorene	15.75	166	926724	50.821	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.33	232	337211	58.696	ng	90
60) Diethylphthalate	15.52	149	955439	51.074	ng	100
61) 4-Chlorophenyl-phenylether	15.74	204	567574	50.985	ng	96
62) 4-Nitroaniline	15.76	138	241422	52.291	ng	96
63) Azobenzene	16.04	77	750817	49.132	ng	94
65) 4,6-Dinitro-2-methylphenol	15.82	198	122109	40.427	ng	85
66) n-Nitrosodiphenylamine	15.95	169	886423	51.085	ng	99
67) 4-Bromophenyl-phenylether	16.64	248	393413	50.137	ng	97
68) Hexachlorobenzene	16.76	284	396509	48.301	ng	94
69) Atrazine	16.91	200	347162	50.921	ng	99
70) Pentachlorophenol	17.10	266	239713	51.403	ng	99
71) Phenanthrene	17.49	178	1516433	49.664	ng	98
72) Anthracene	17.59	178	1556232	51.104	ng	97
73) Carbazole	17.85	167	1381914	50.560	ng	97
74) Di-n-butylphthalate	18.42	149	1542584	49.783	ng	98
75) Fluoranthene	19.50	202	1841200	49.609	ng	95
77) Benzidine	19.68	184	316143	15.036	ng	97
78) Pyrene	19.87	202	1840674	48.227	ng	97
80) Butylbenzylphthalate	20.75	149	749681	51.231	ng	89
81) Benzo(a)anthracene	21.72	228	1858685	48.768	ng	98
82) 3,3'-Dichlorobenzidine	21.63	252	334918	21.887	ng #	96
83) Chrysene	21.79	228	1788240	48.948	ng	97
84) Bis(2-ethylhexyl)phthalate	21.63	149	1044566	51.749	ng	98
85) Di-n-octyl phthalate	22.87	149	1775620	52.269	ng #	91
86) Indeno(1,2,3-cd)pyrene	28.76	276	2452056	50.702	ng #	94
88) Benzo(b)fluoranthene	23.97	252	2039082	50.078	ng #	97
89) Benzo(k)fluoranthene	24.04	252	2039130	51.411	ng #	97
90) Benzo(a)pyrene	24.86	252	2039206	52.218	ng #	97
91) Dibenzo(a,h)anthracene	28.82	278	1999591	52.147	ng #	96
92) Benzo(g,h,i)perylene	29.92	276	2035068	53.122	ng #	95

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



#1

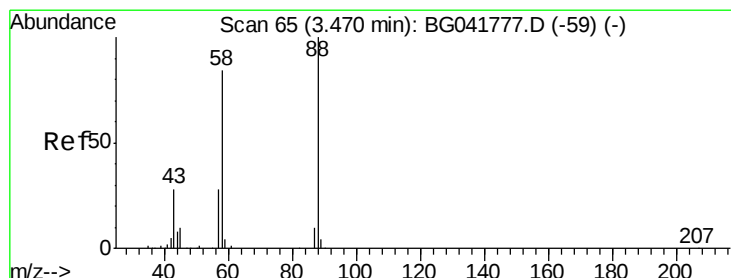
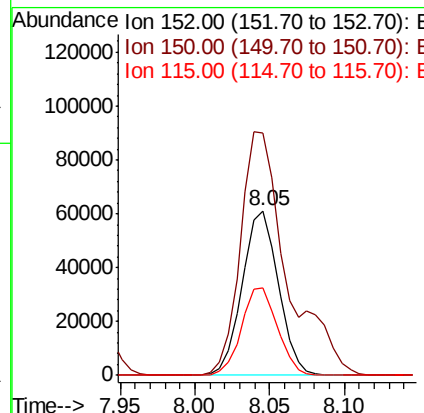
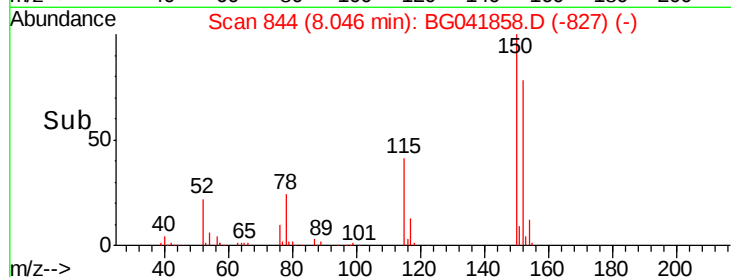
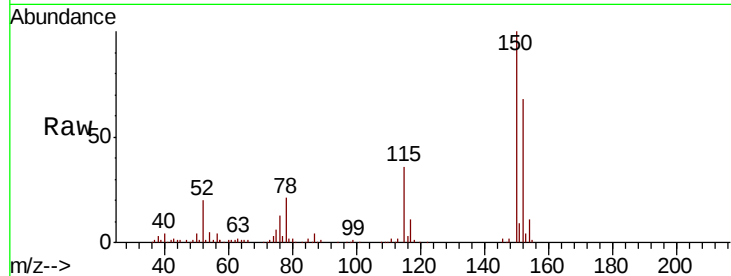
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.3	126.9	190.3
115	52.9	45.0	67.6

Manual Integrations
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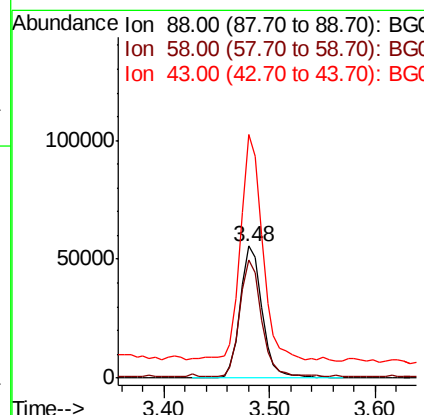
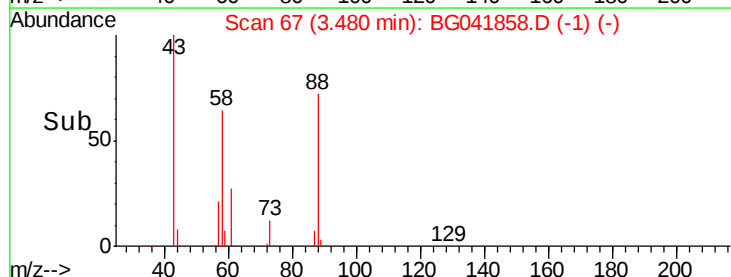
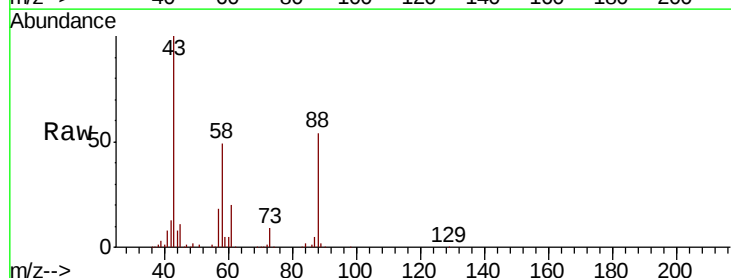
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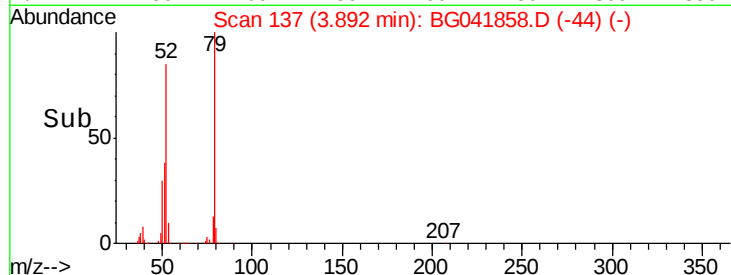
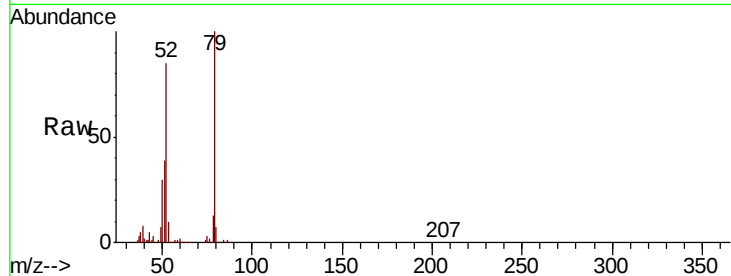


#2

1,4-Dioxane
Concen: 32.181 ng
RT: 3.48 min Scan# 67
Delta R.T. 0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.6	76.2	114.2
43	168.1	27.2	40.8#





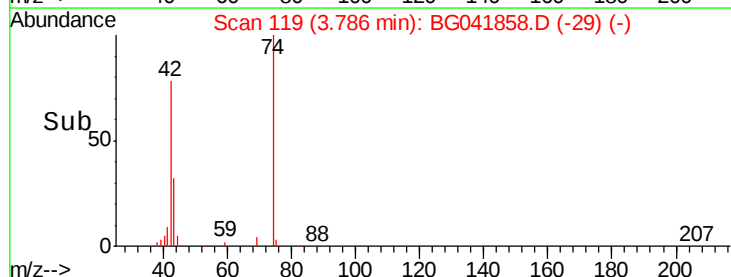
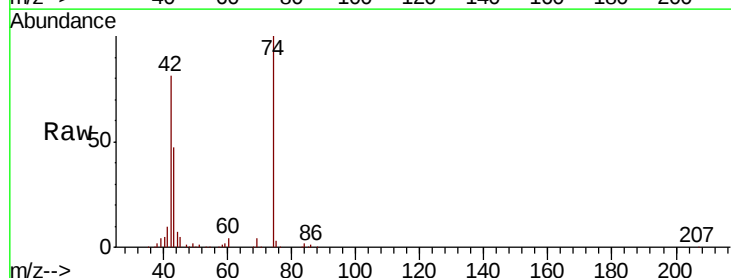
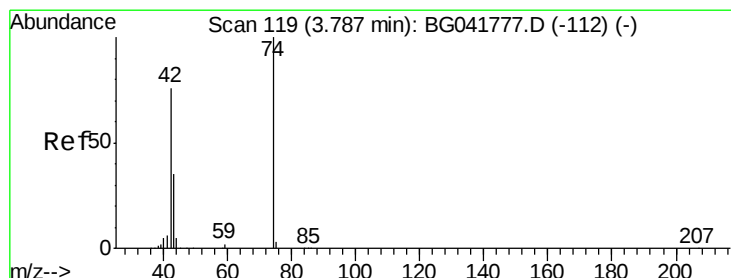
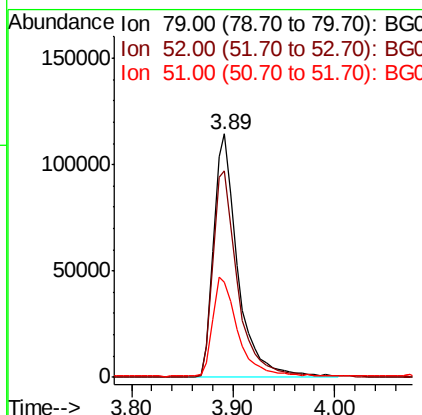
#3
Pvridine
Concen: 27.890 ng
RT: 3.89 min Scan# 137
Delta R.T. 0.02 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tot Ion	Ratio	Lower	Upper
79	100		
52	84.7	77.1	115.7
51	39.2	37.8	56.8

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

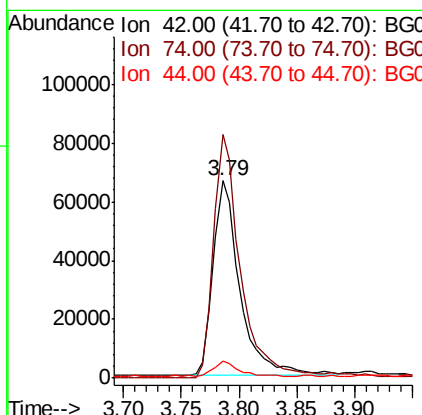
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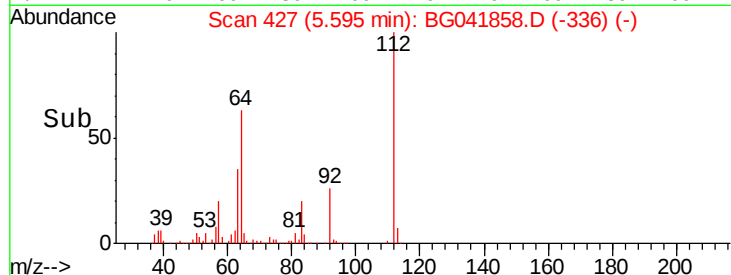
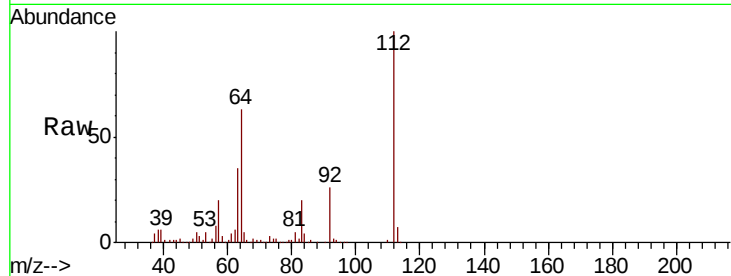
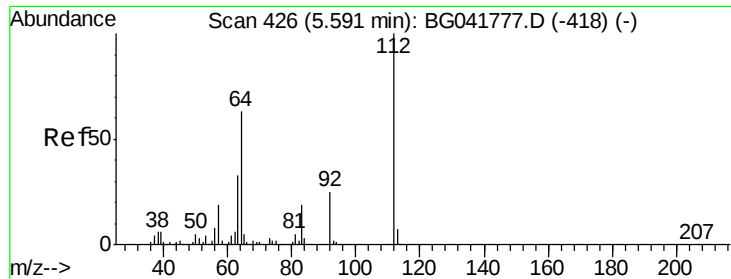
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#4
n-Nitrosodimethylamine
Concen: 40.061 ng
RT: 3.79 min Scan# 119
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
42	100		
74	123.4	97.4	146.2
44	8.4	6.6	9.8





#5

2-Fluorophenol

Concen: 128.409 ng

RT: 5.60 min Scan# 427

Delta R.T. 0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

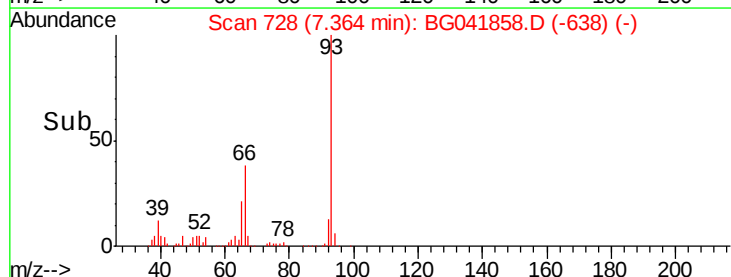
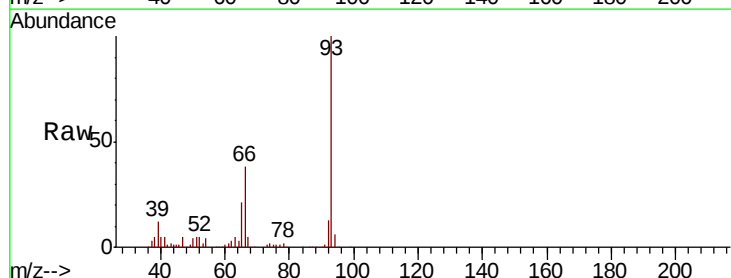
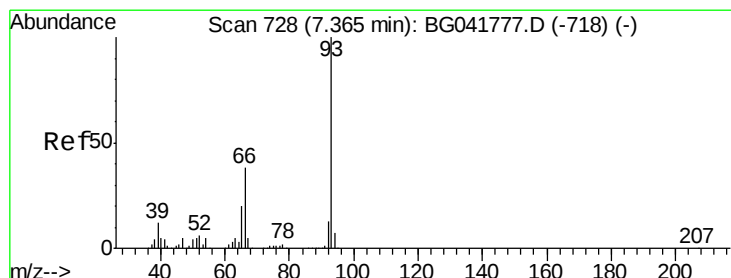
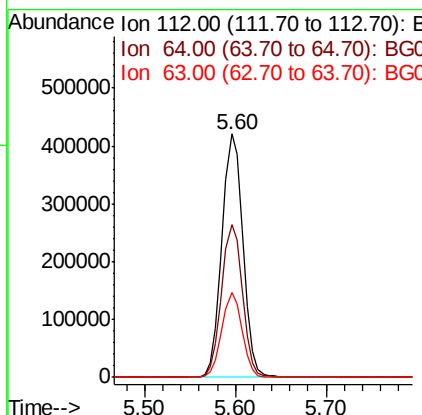
ClientSampleId :

OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	677078		
64	62.6		55.4	83.2
63	34.8		29.1	43.7

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#6

Aniline

Concen: 20.708 ng

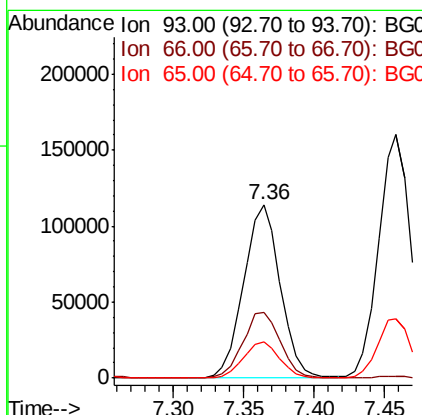
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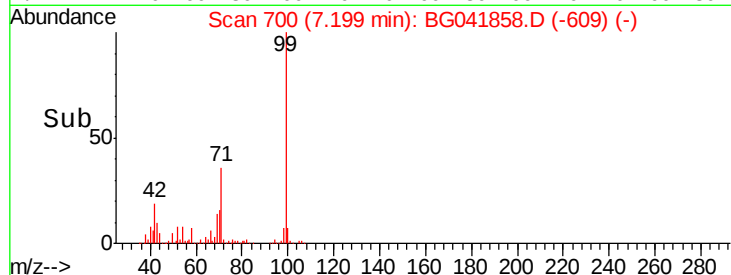
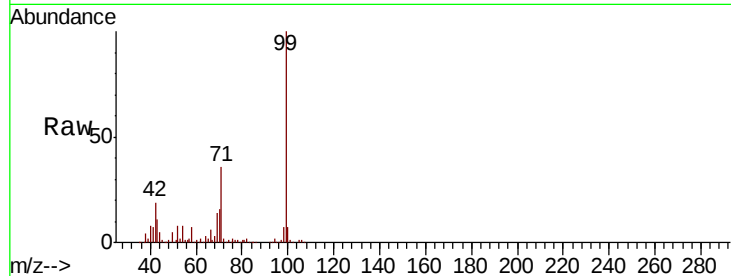
Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	207278		
66	38.0		34.2	51.2
65	20.9		18.2	27.2





#7

Phenol-d6

Concen: 120.351 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		855530		
42	19.2	17.6	26.4		
71	36.5	27.8	41.6		

Instrument :

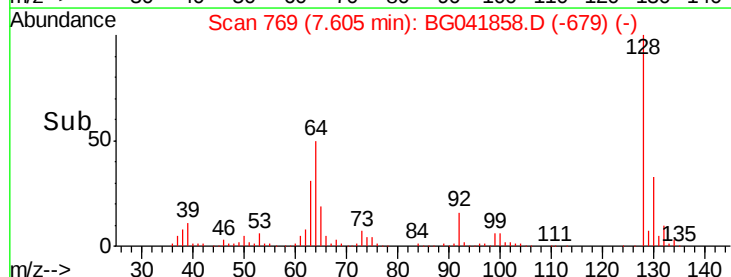
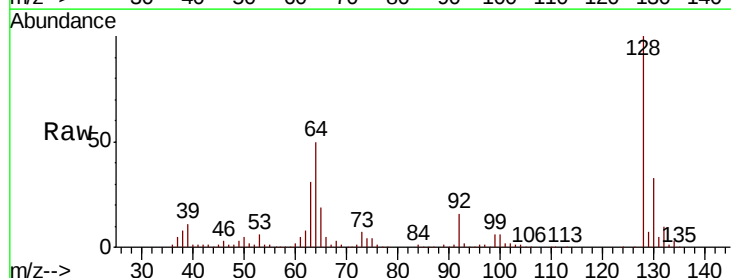
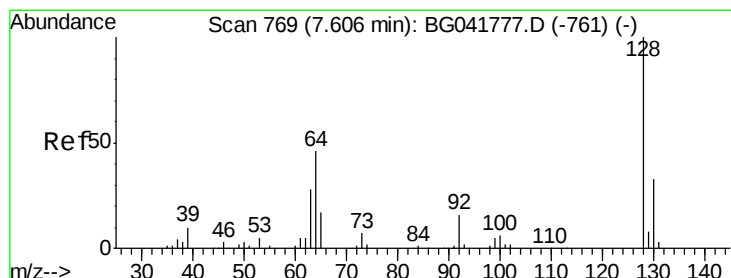
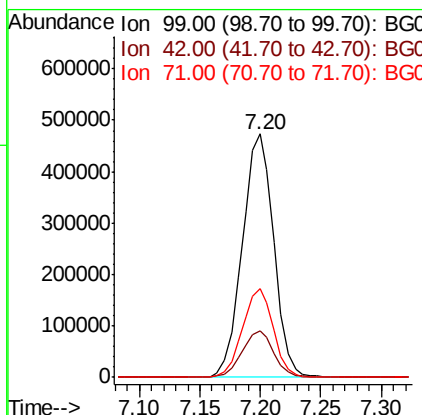
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#8

2-Chlorophenol

Concen: 47.339 ng

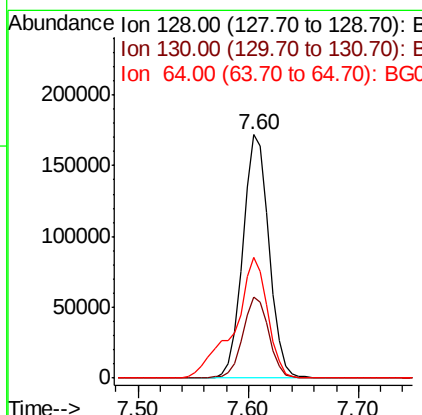
RT: 7.60 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		285826		
130	33.4	12.4	52.4		
64	49.5	34.9	74.9		





#9

Benzaldehyde

Concen: 27.401 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

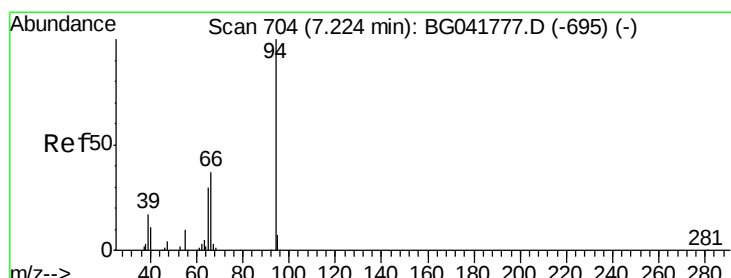
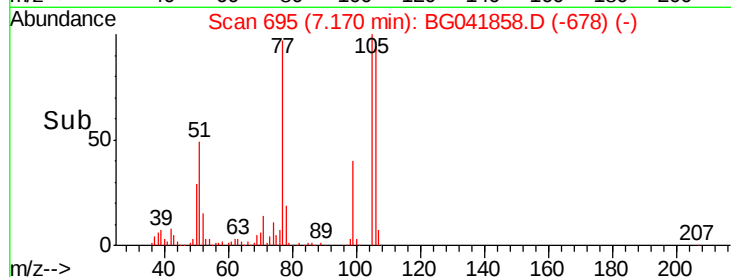
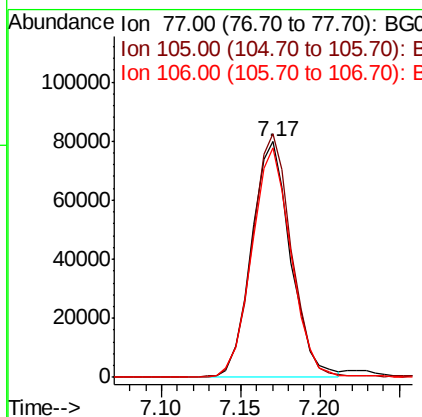
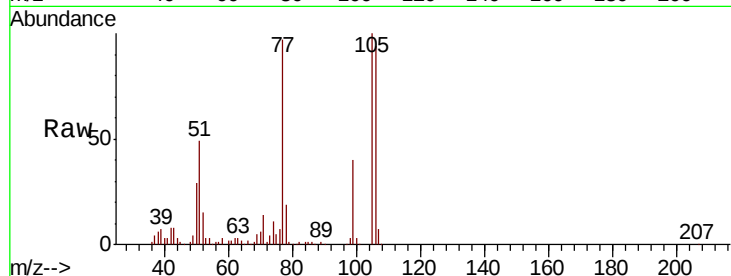
ClientSampleId :

OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	103.4	74.6	114.6		
106	97.2	71.1	111.1		

Manual Integrations
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#10

Phenol

Concen: 39.798 ng

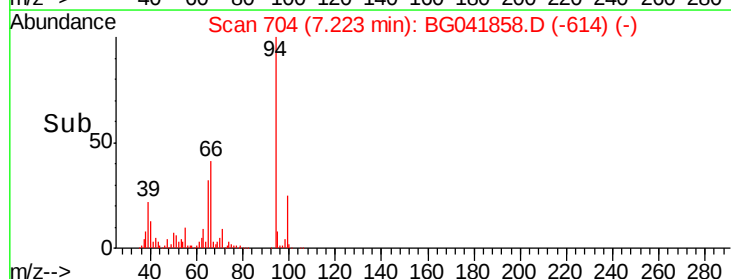
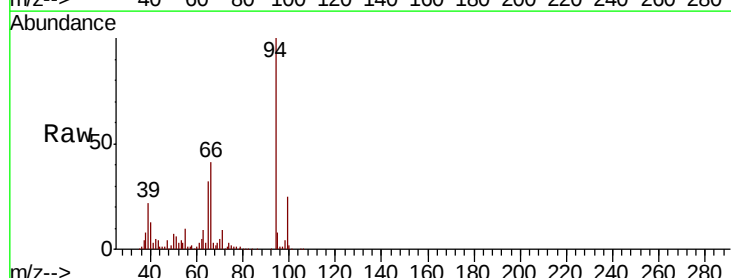
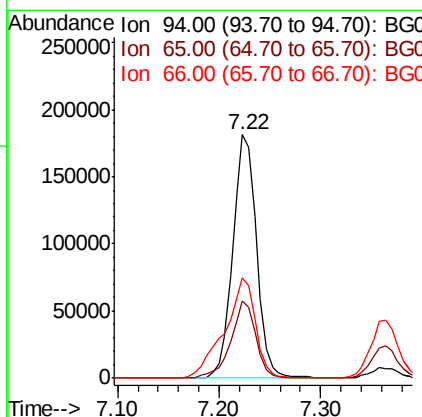
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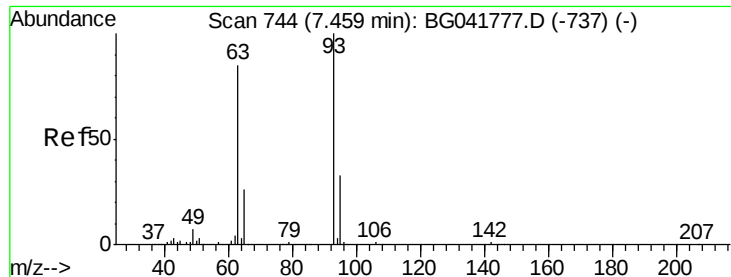
Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	31.7	10.6	50.6		
66	41.2	18.2	58.2		





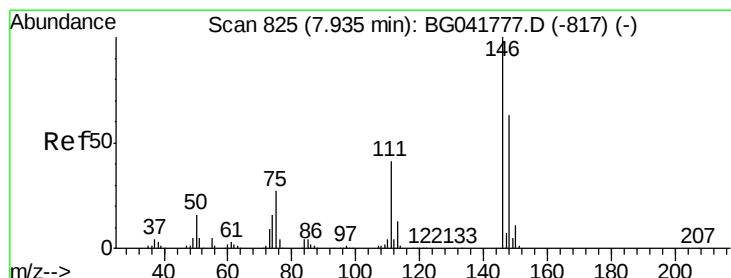
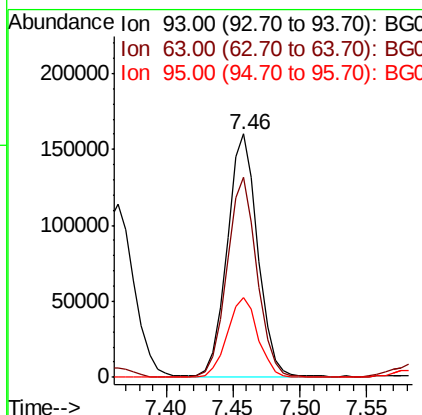
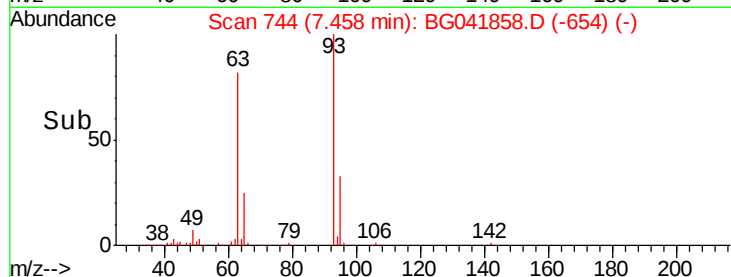
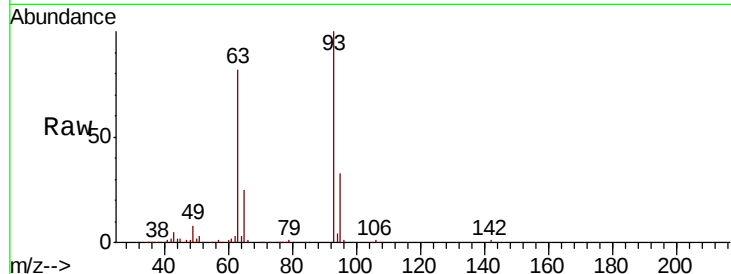
#11
bis(2-Chloroethyl)ether
Concen: 42.221 ng
RT: 7.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion:	93	Resp:	256695
Ion	Ratio	Lower	Upper
93	100		
63	82.2	70.4	110.4
95	32.9	12.8	52.8

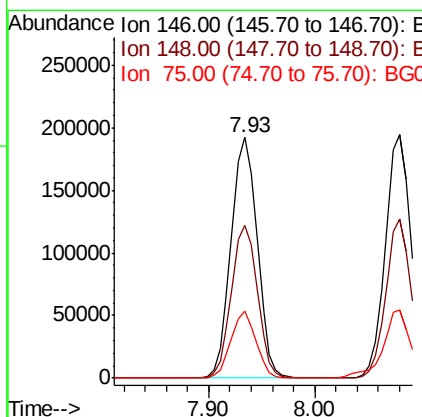
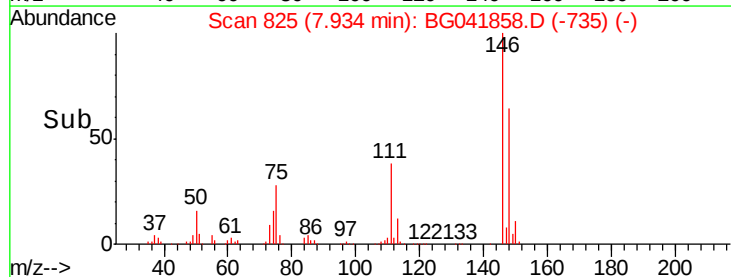
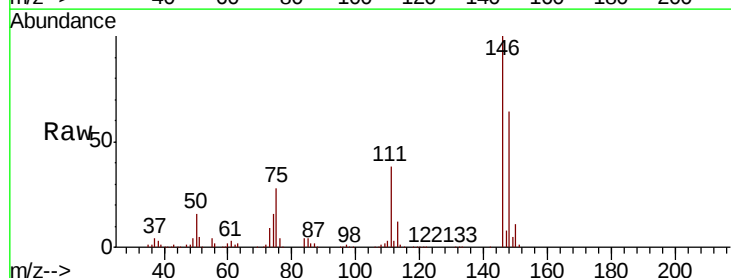
Manual Integrations
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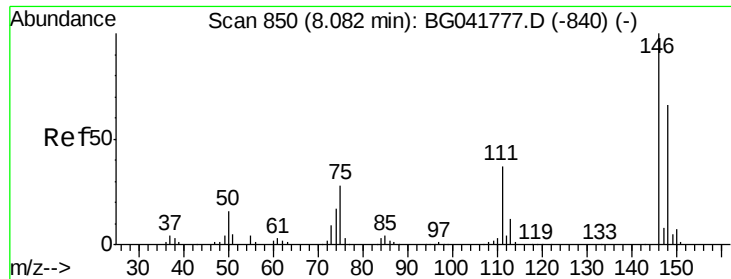
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.757 ng
RT: 7.93 min Scan# 825
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion:	146	Resp:	329057
Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.5	77.3
75	28.0	23.2	34.8





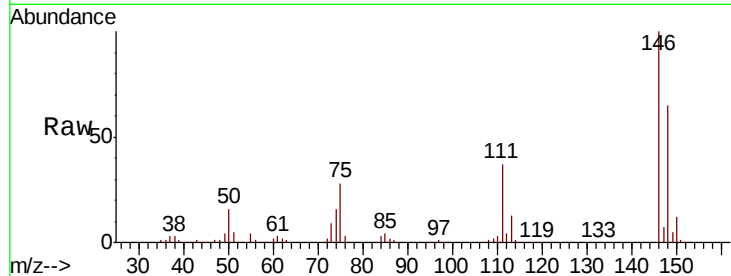
#13
 1,4-Dichlorobenzene
 Concen: 42.024 ng
 RT: 8.08 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.6	79.0
111	36.9	32.5	48.7

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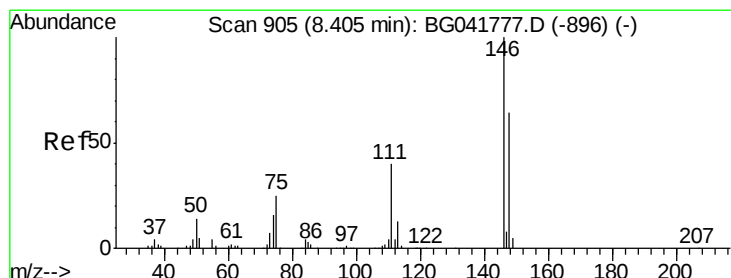
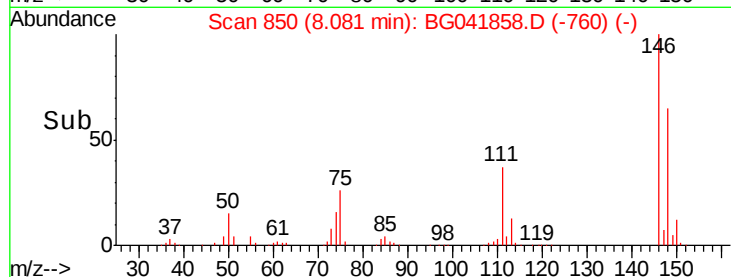
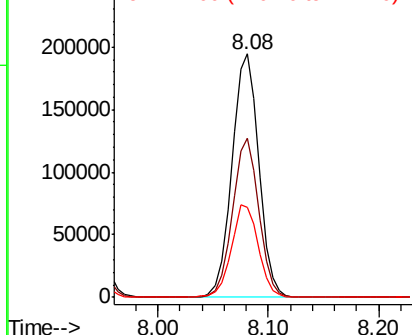


Abundance

Ion 146.00 (145.70 to 146.70): E

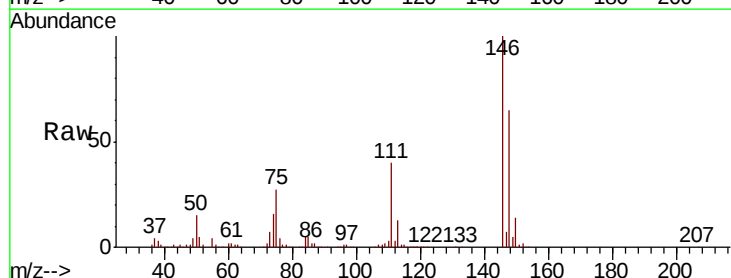
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14
 1,2-Dichlorobenzene
 Concen: 41.509 ng
 RT: 8.40 min Scan# 905
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	53.5	80.3
111	39.6	35.4	53.0

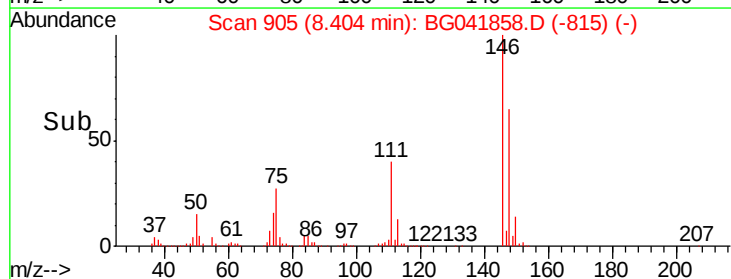
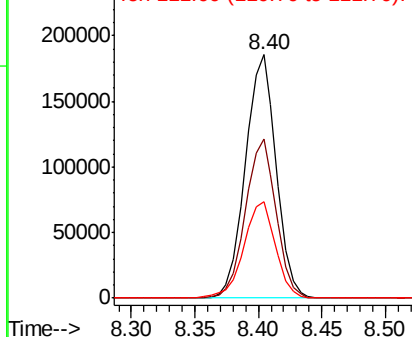


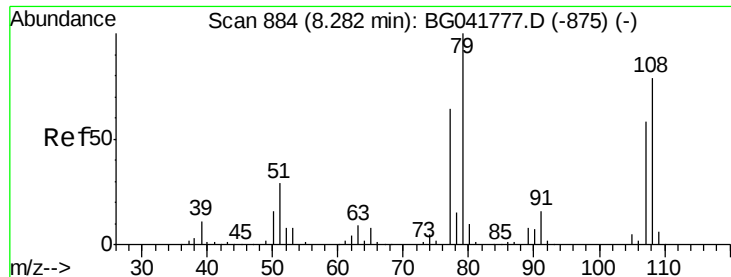
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 45.584 ng

RT: 8.28 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

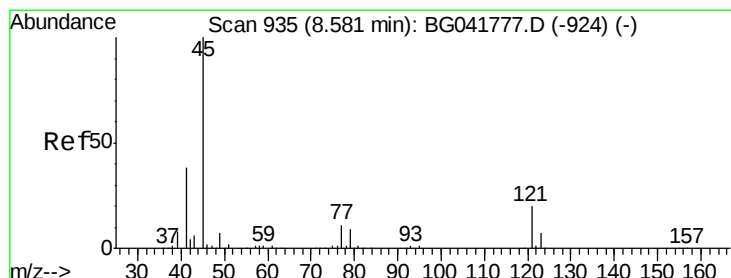
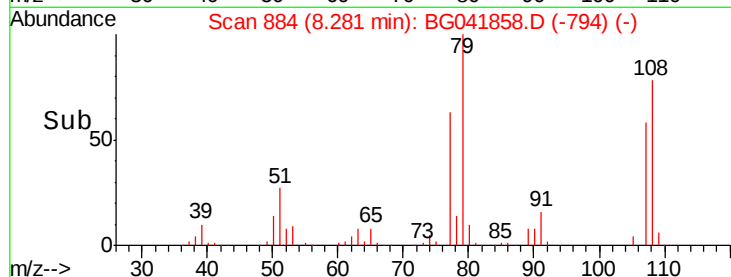
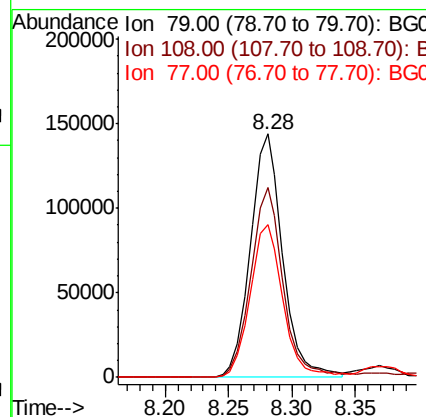
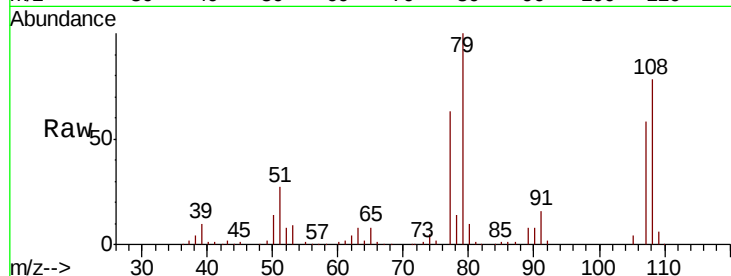
ClientSampleId :

OK-01-072919MSD

Tot Ion:	79	Resp:	254929
Ion Ratio	Lower	Upper	
79	100		
108	78.2	60.5	90.7
77	62.7	50.6	75.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.171 ng

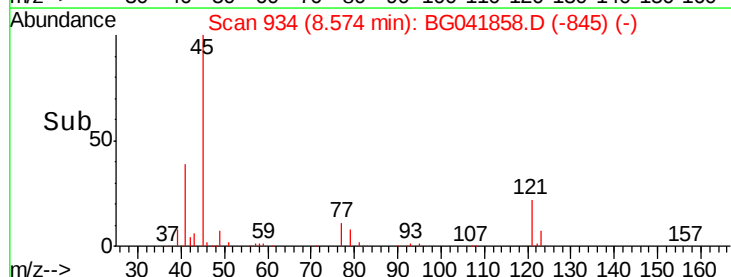
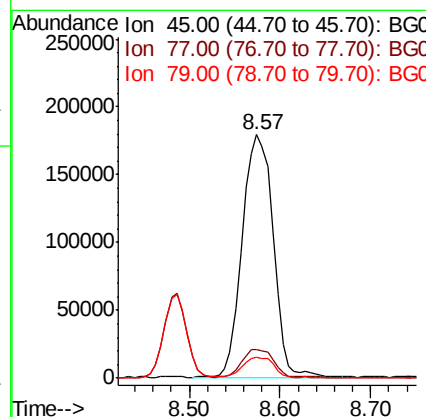
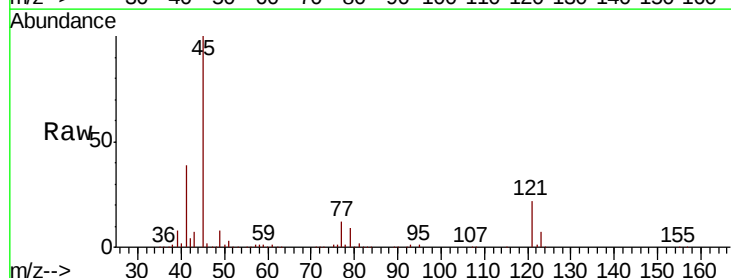
RT: 8.57 min Scan# 934

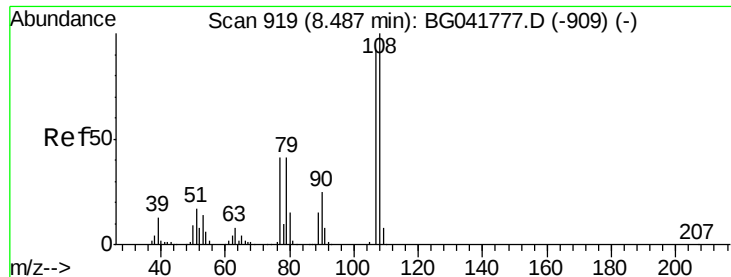
Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion:	45	Resp:	423690
Ion Ratio	Lower	Upper	
45	100		
77	12.0	0.0	30.4
79	8.7	0.0	27.9





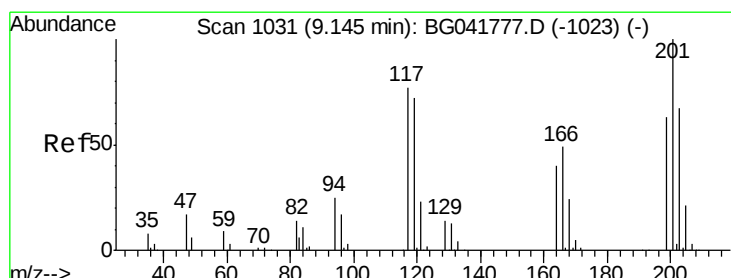
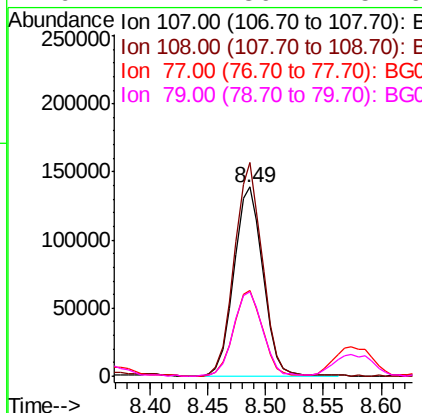
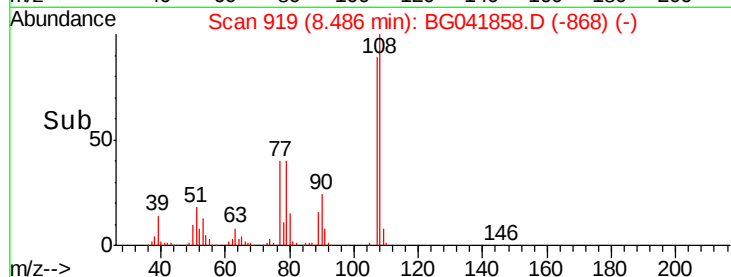
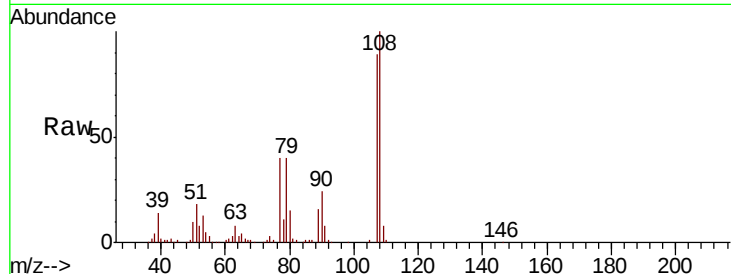
#17
2-Methylphenol
Concen: 44.978 ng
RT: 8.49 min Scan# 919
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.9	87.6	131.4	
77	45.1	36.1	54.1	
79	44.7	36.4	54.6	

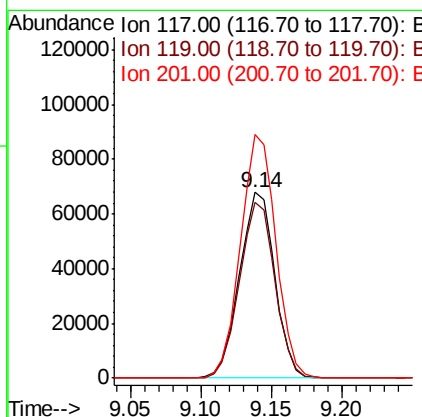
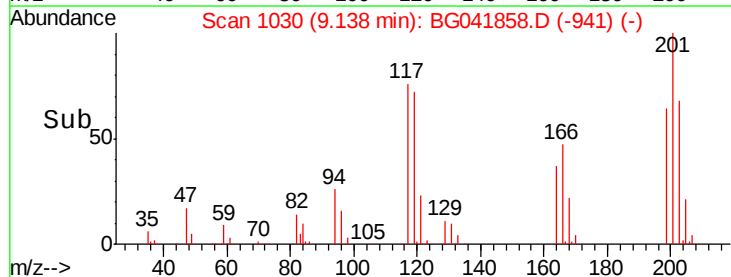
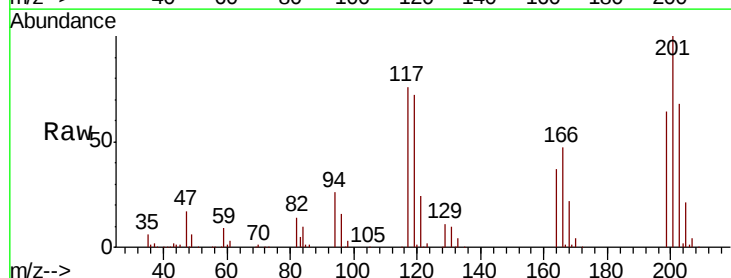
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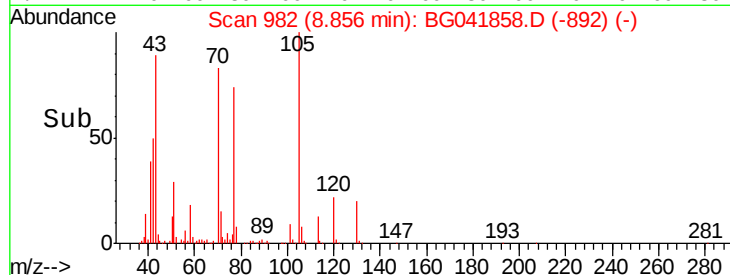
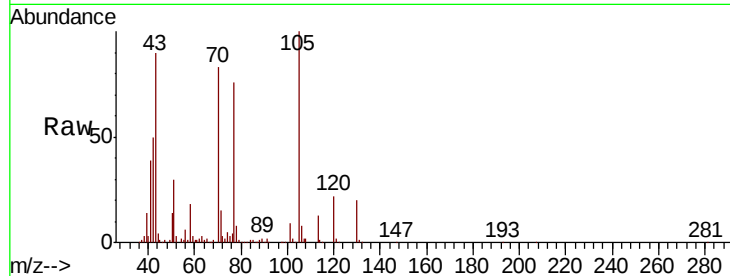
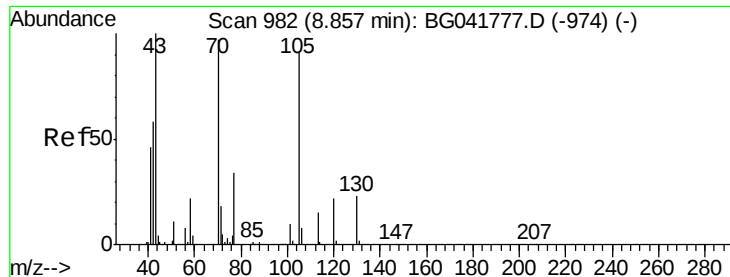
mohammad
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#18
Hexachloroethane
Concen: 43.833 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	76.2	114.2	
201	131.2	94.1	141.1	





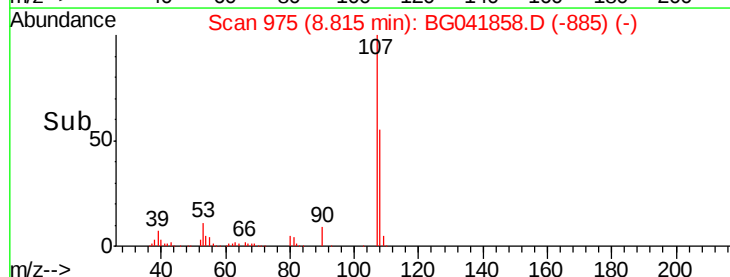
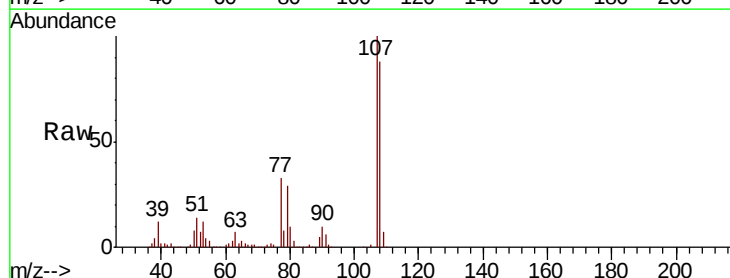
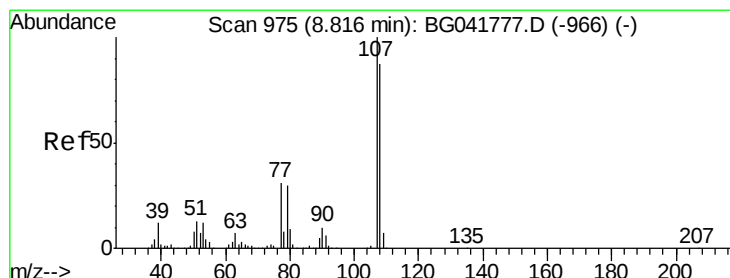
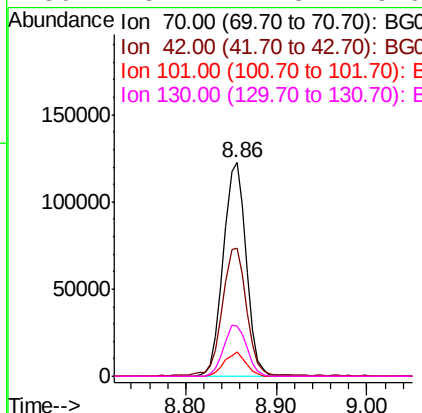
#19
n-Nitroso-di-n-propylamine
Concen: 41.683 ng
RT: 8.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	60.2		55.8	83.6	
101	11.3		8.1	12.1	
130	23.7		17.3	25.9	

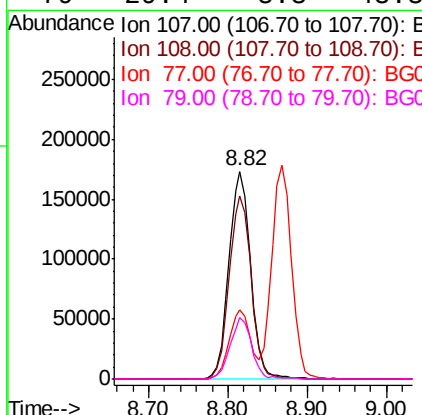
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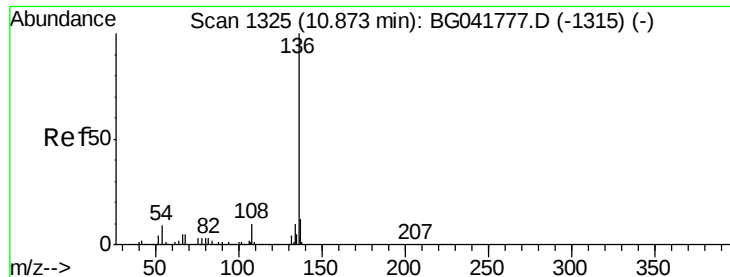
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#20
3+4-Methylphenols
Concen: 44.559 ng
RT: 8.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.1		67.5	107.5	
77	33.4		12.3	52.3	
79	29.4		8.3	48.3	





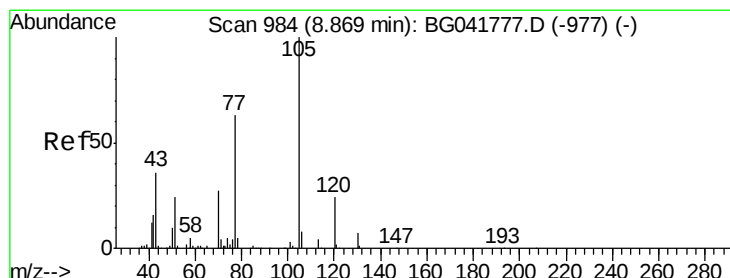
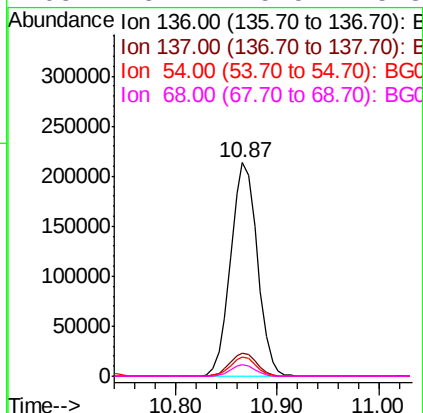
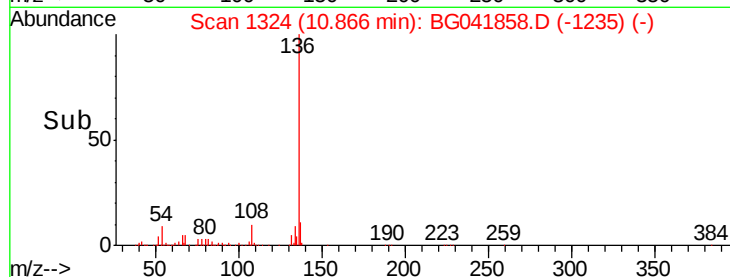
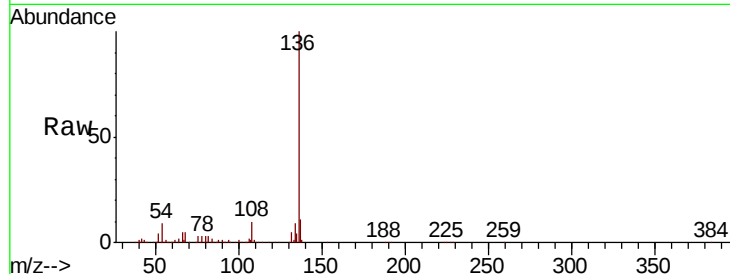
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.2	13.8	
54	9.1	8.7	13.1	
68	5.2	5.5	8.3#	

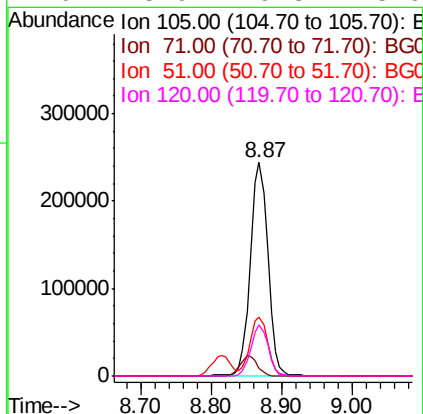
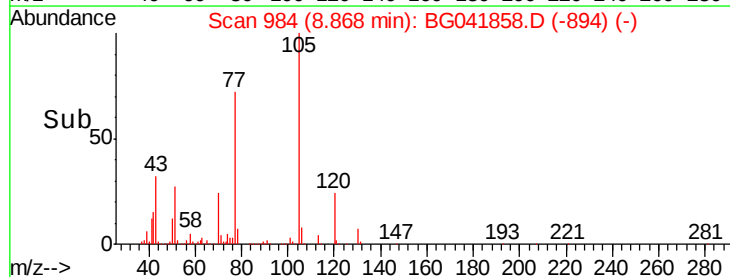
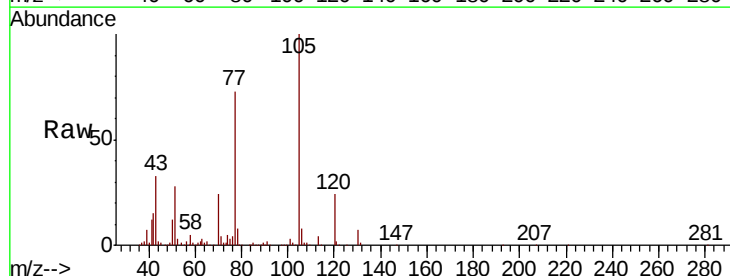
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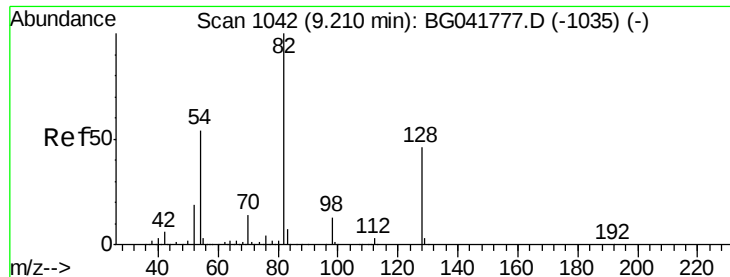
mohammad
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#22
Acetophenone
Concen: 49.090 ng
RT: 8.87 min Scan# 984
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.6	5.9	8.9#	
51	27.8	27.7	41.5	
120	23.9	19.3	28.9	





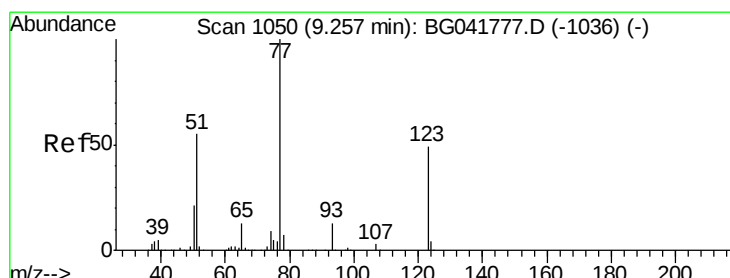
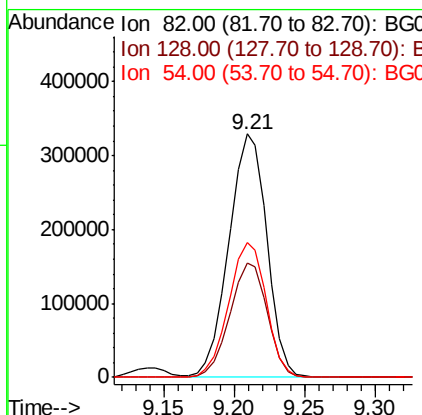
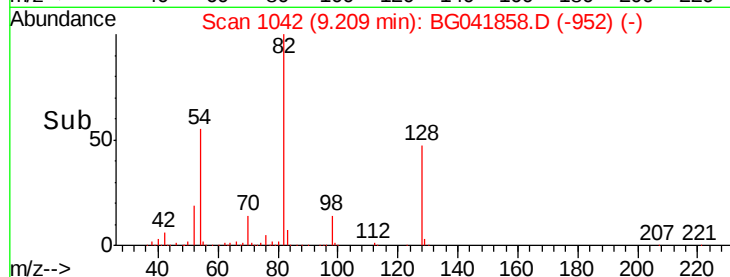
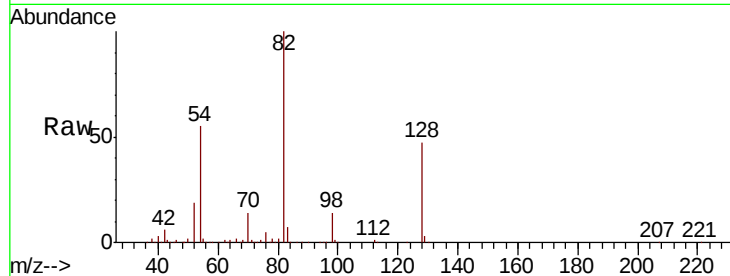
#23
Nitrobenzene-d5
Concen: 108.826 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.1	52.7
54	55.2	48.7	73.1

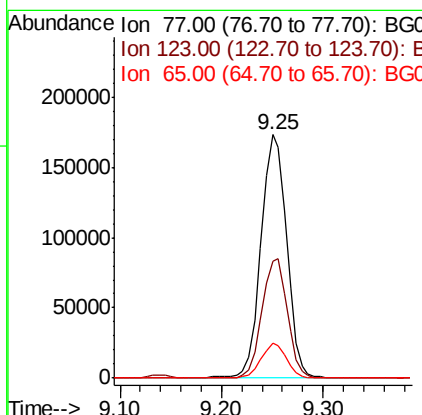
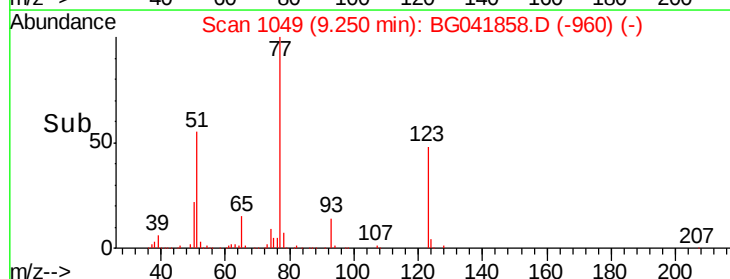
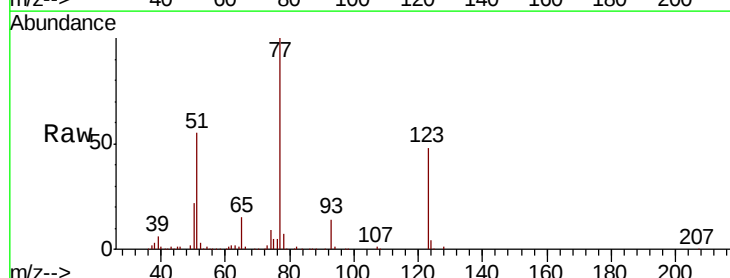
Manual Integrations
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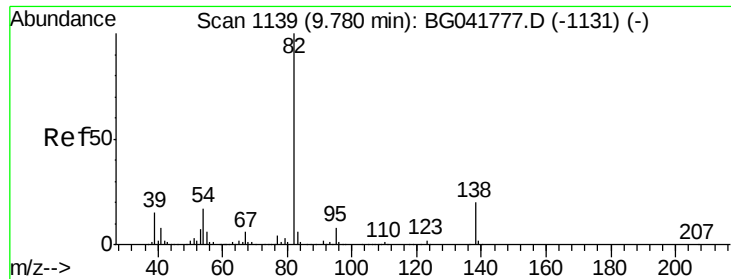
mohammad
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#24
Nitrobenzene
Concen: 51.305 ng
RT: 9.25 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.3	38.1	57.1
65	14.5	11.0	16.6





#25

Isophorone

Concen: 47.890 ng

RT: 9.78 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

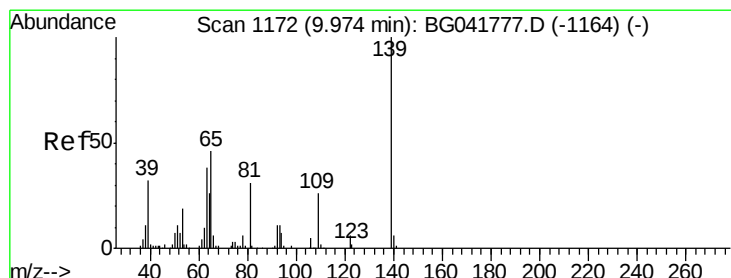
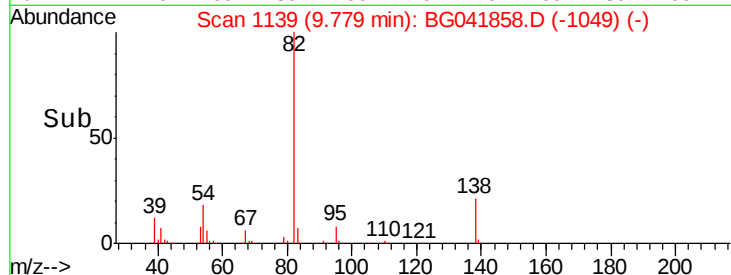
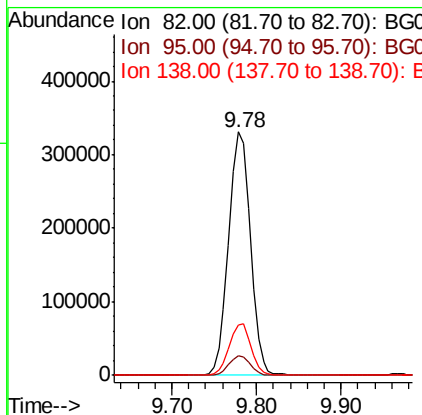
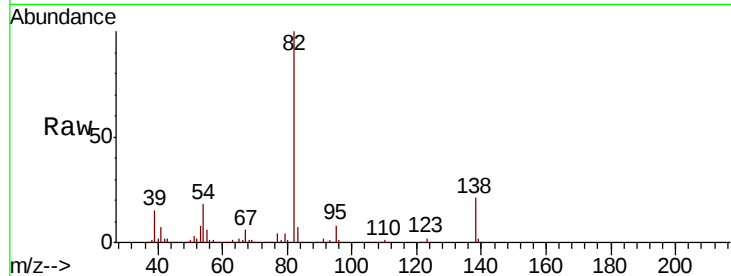
ClientSampleId :

OK-01-072919MSD

Tot Ion	82	Resp	588999
Ion Ratio	Lower	Upper	
82	100		
95	7.8	5.9	8.9
138	20.8	16.3	24.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 64.419 ng

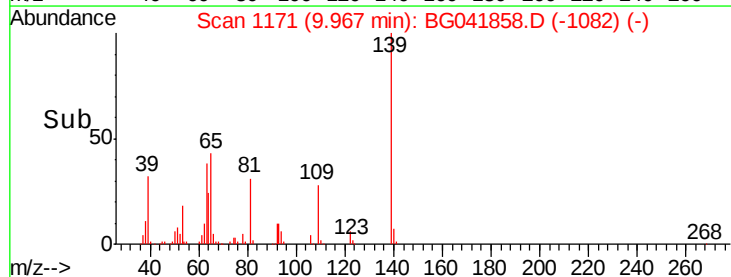
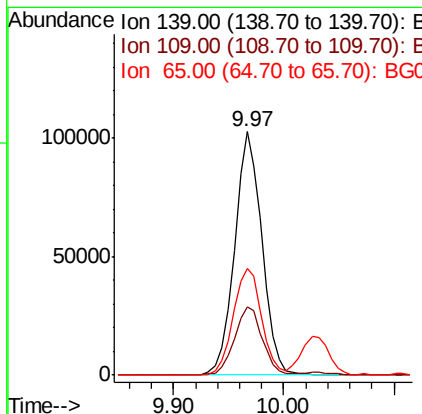
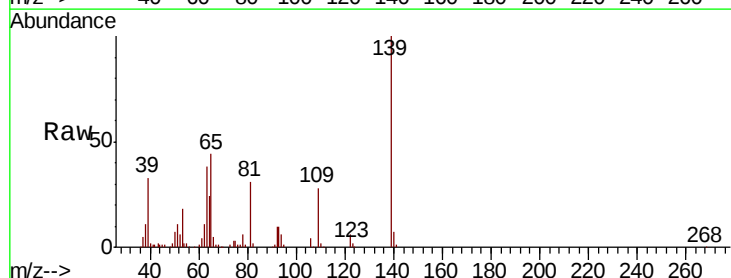
RT: 9.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion	139	Resp	178081
Ion Ratio	Lower	Upper	
139	100		
109	27.9	22.7	34.1
65	44.0	41.1	61.7





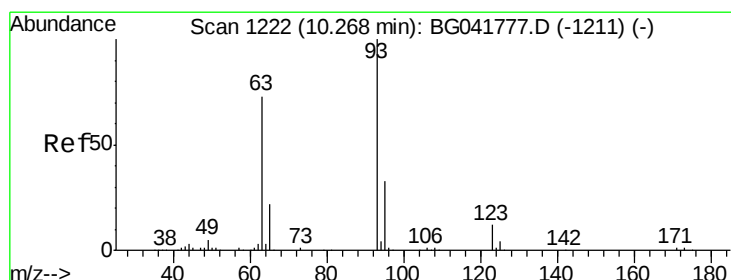
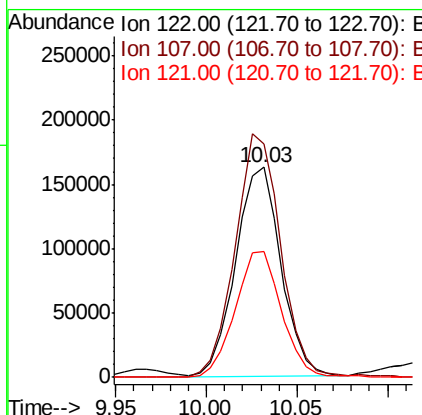
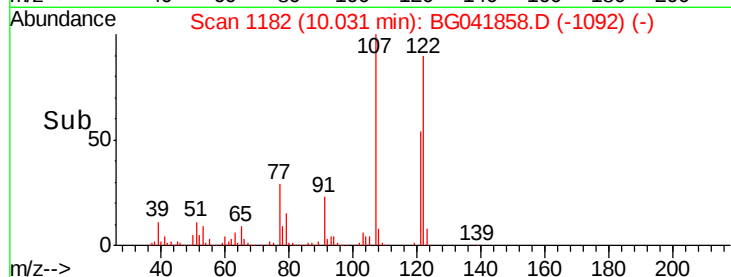
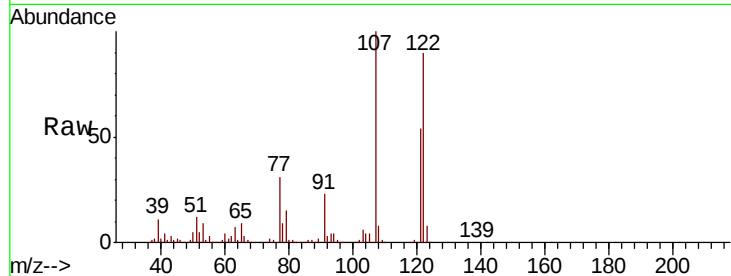
#27
2,4-Dimethylphenol
Concen: 58.111 ng
RT: 10.03 min Scan# 1182
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	283525		
107	111.5	91.3	136.9	
121	59.9	49.2	73.8	

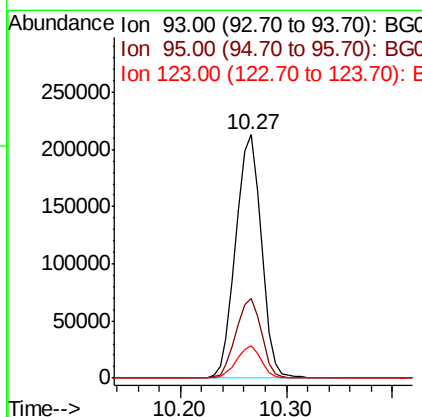
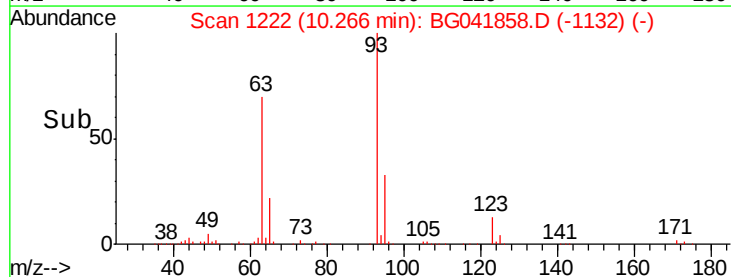
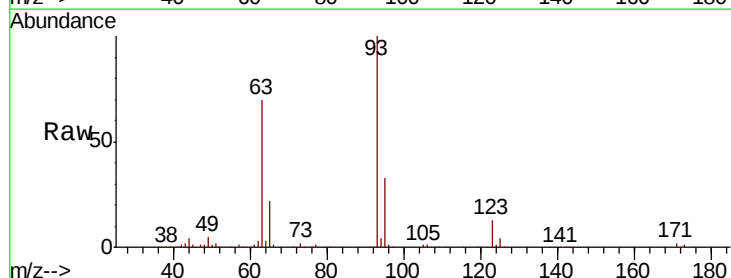
Manual Integrations
APPROVED

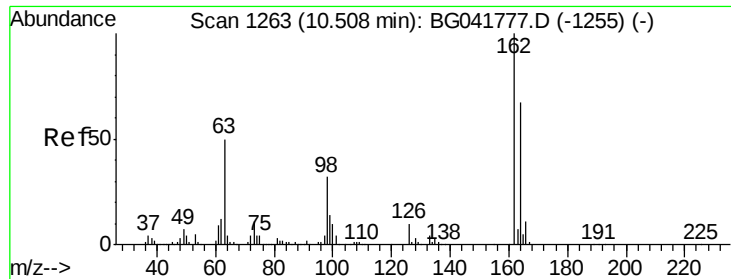
mohammad
8/5/2019 1:47:22 PM



#28
bis(2-Chloroethoxy)methane
Concen: 46.455 ng
RT: 10.27 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	357044		
95	32.7	26.2	39.4	
123	13.5	9.9	14.9	





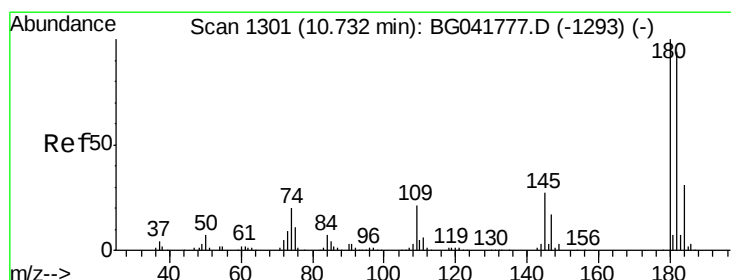
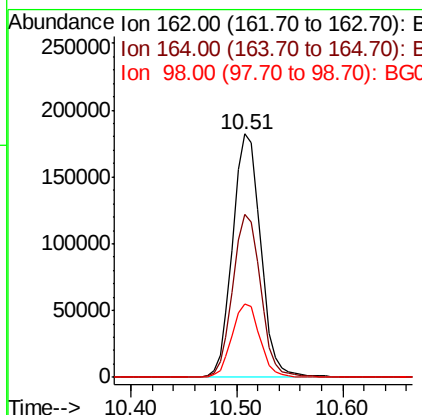
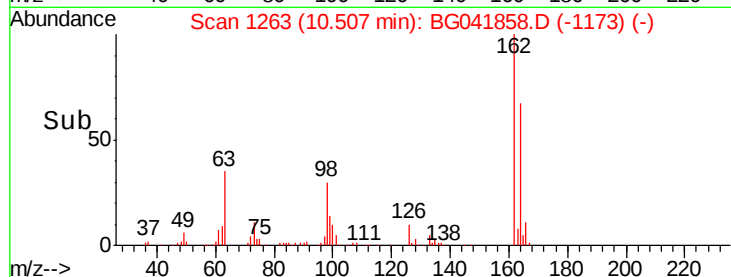
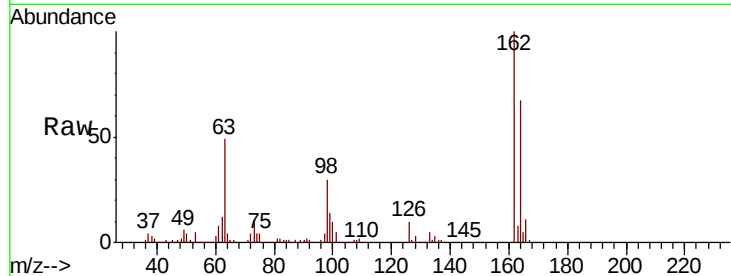
#29
2,4-Dichlorophenol
Concen: 56.426 ng
RT: 10.51 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	66.7	46.1	86.1	
98	30.3	14.7	54.7	

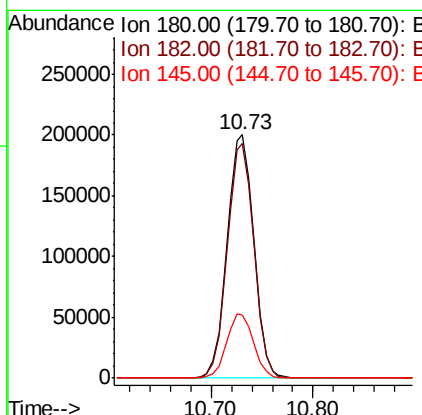
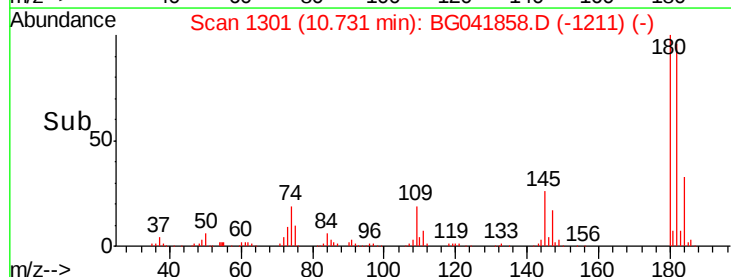
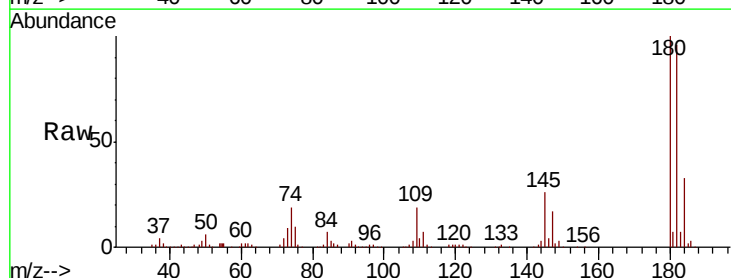
Manual Integrations
APPROVED

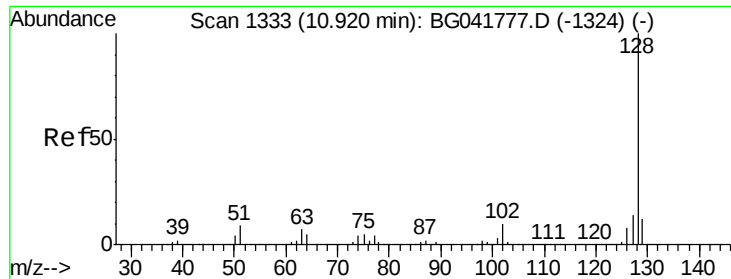
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 48.344 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	76.2	114.2	
145	26.1	23.8	35.8	





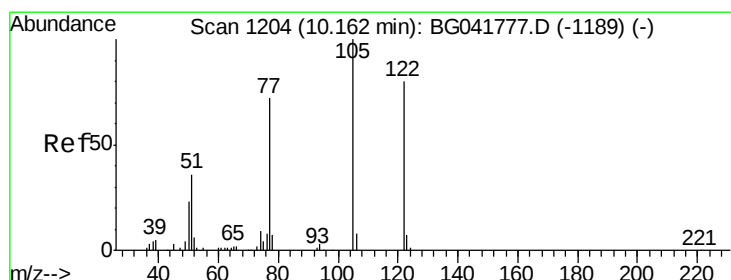
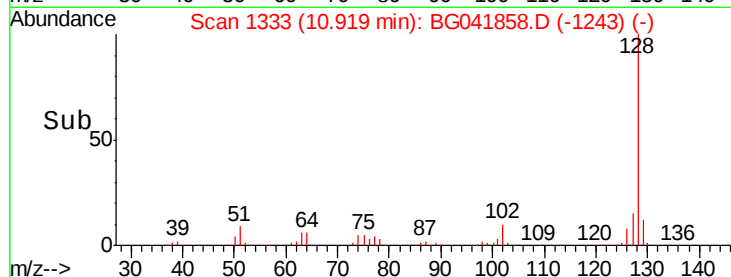
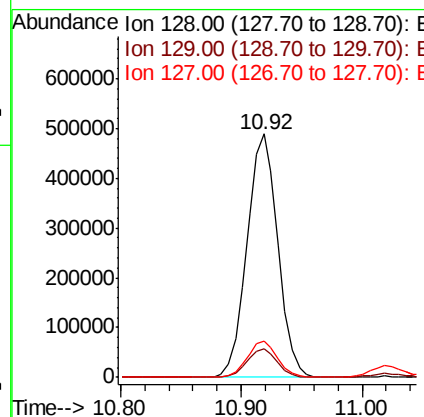
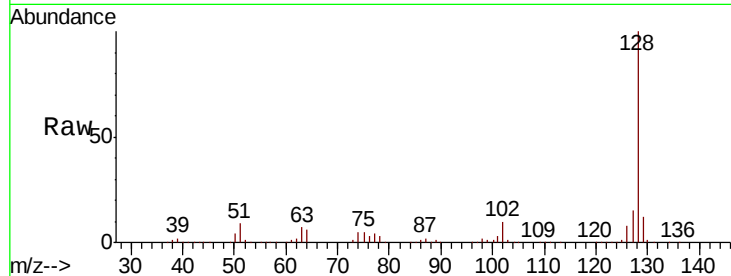
#31
Naphthalene
Concen: 48.576 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	10.0	15.0
127	14.7	12.3	18.5

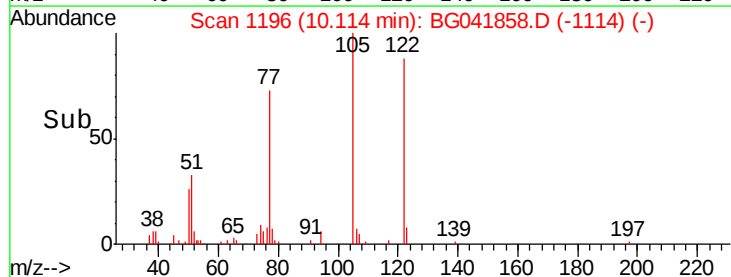
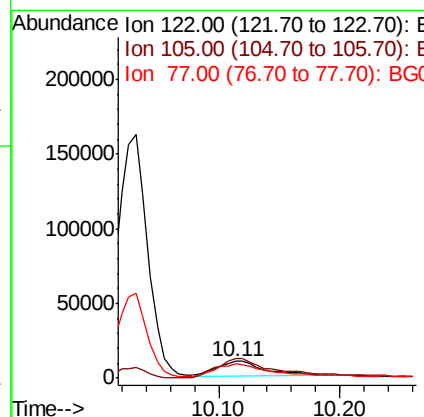
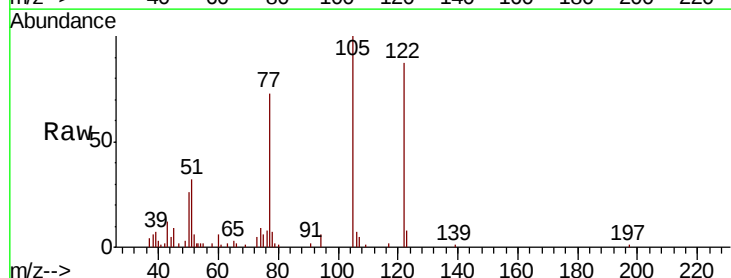
Manual Integrations
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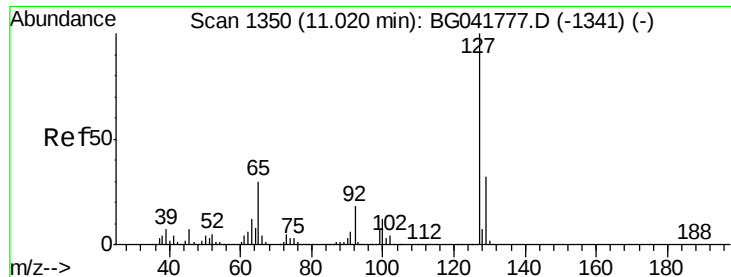
mohammad
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#32
Benzoic acid
Concen: 15.737 ng
RT: 10.11 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
122	100		
105	115.1	101.5	141.5
77	84.4	73.0	113.0





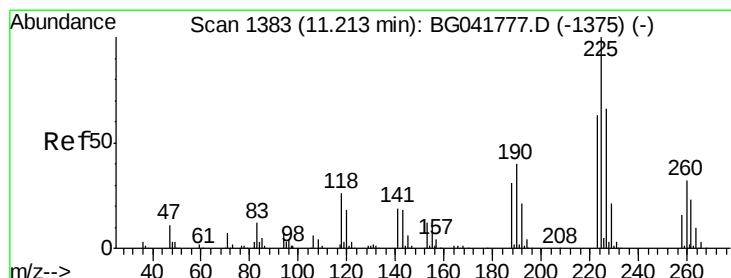
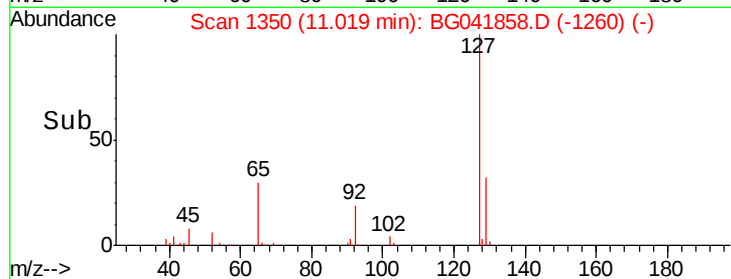
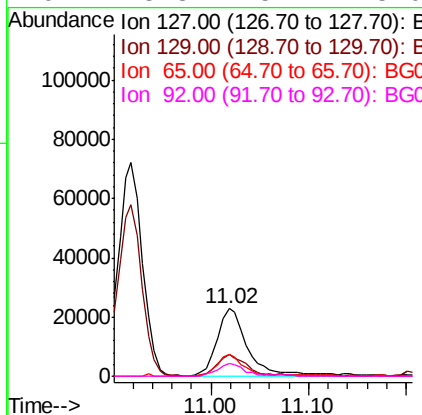
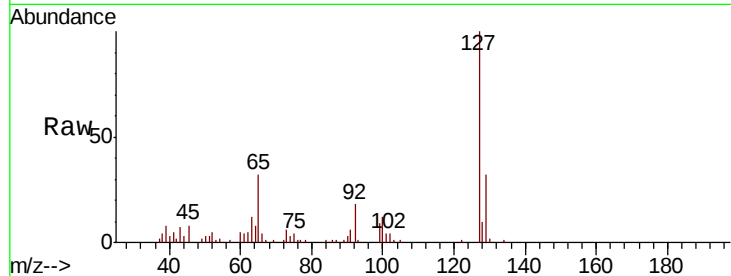
#33
4-Chloroaniline
Concen: 5.744 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		48505		
129	32.1	25.8	38.8		
65	31.6	26.7	40.1		
92	18.3	15.4	23.0		

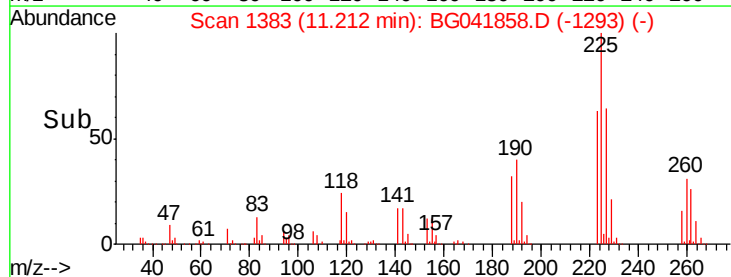
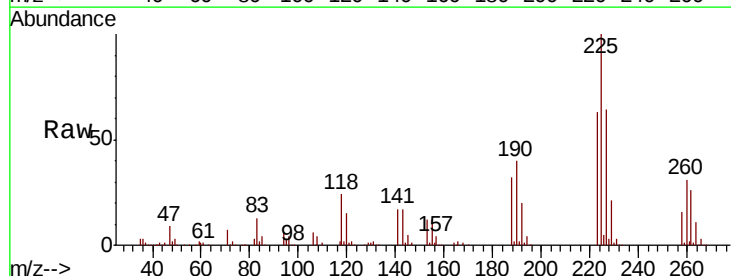
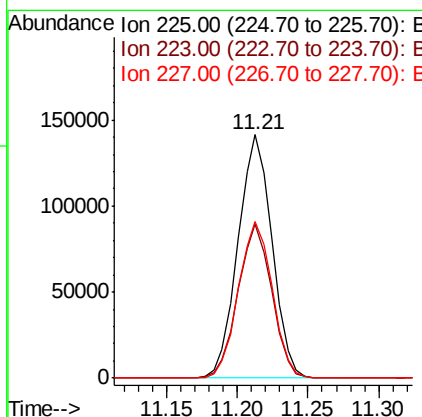
Manual Integrations
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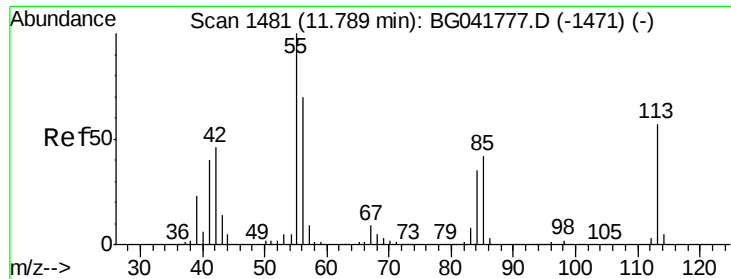
mohammad
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#34
Hexachlorobutadiene
Concen: 46.804 ng
RT: 11.21 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		238002		
223	63.3	51.1	76.7		
227	64.3	50.9	76.3		





#35

Caprolactam

Concen: 41.979 ng/mL

RT: 11.81 min Scan# 1484

Delta R.T. 0.02 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:113 Resp: 86680

Ion Ratio Lower Upper

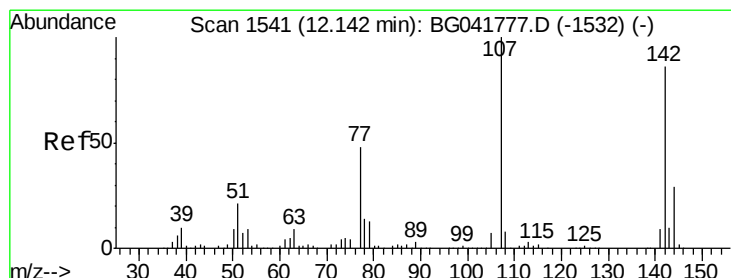
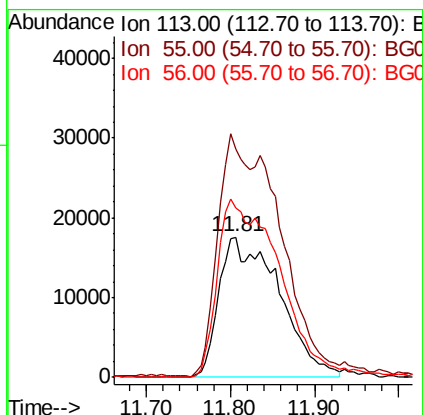
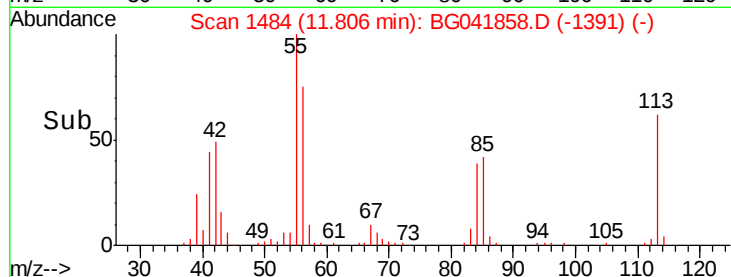
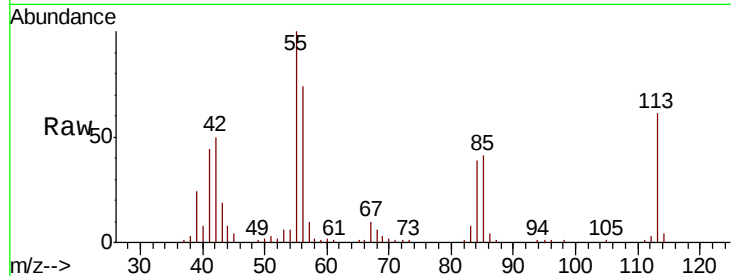
113 100

55 162.8 199.4 239.4#

56 120.6 133.6 173.6#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 56.021 ng/mL

RT: 12.15 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

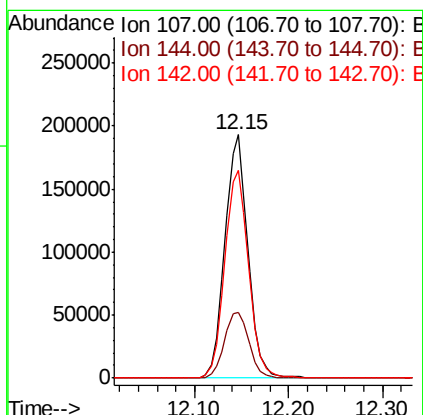
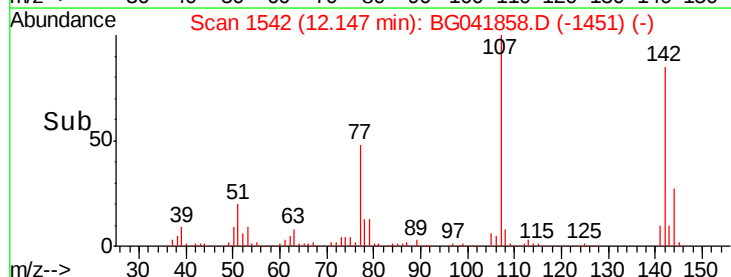
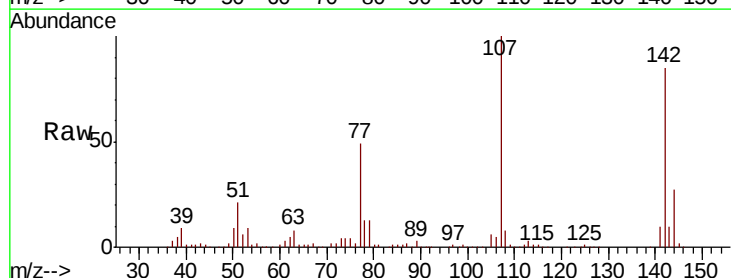
Tgt Ion:107 Resp: 329993

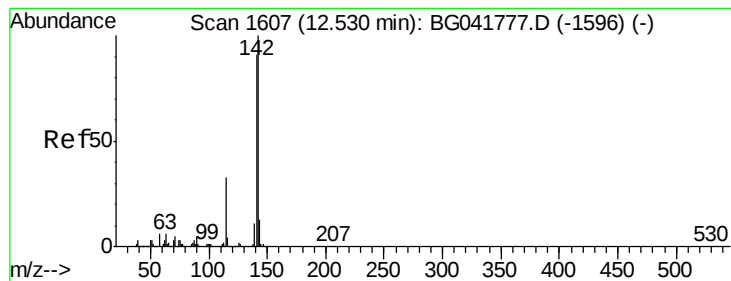
Ion Ratio Lower Upper

107 100

144 27.1 22.2 33.2

142 85.5 67.3 100.9





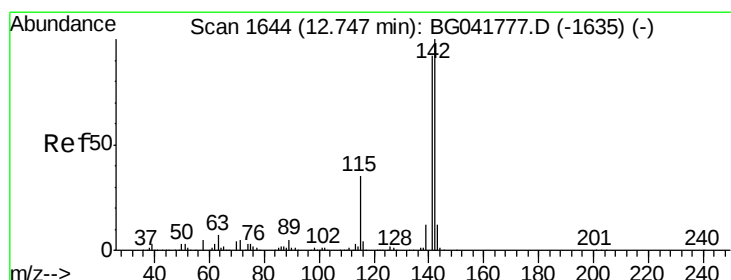
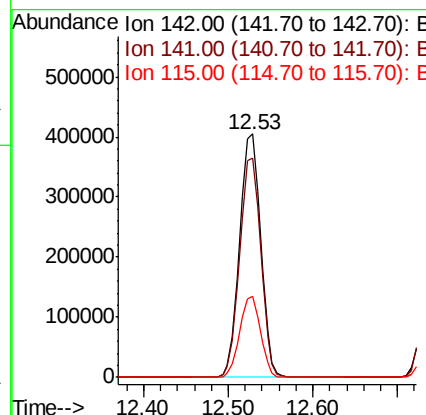
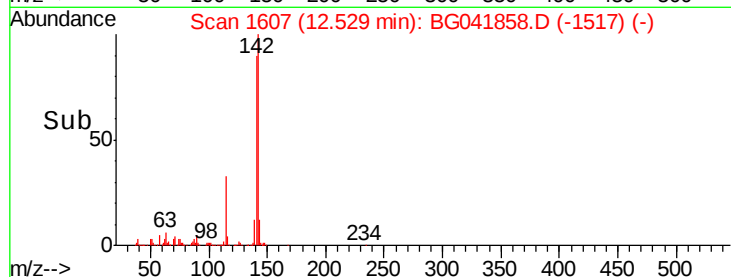
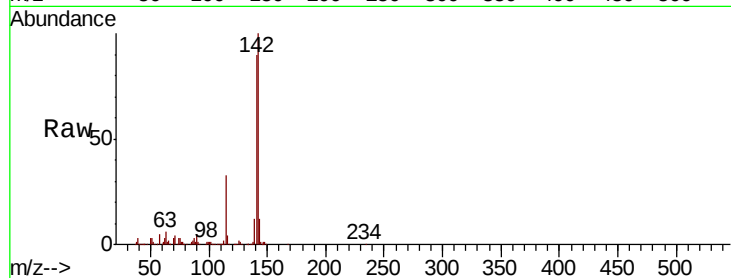
#37
2-Methylnaphthalene
Concen: 49.026 ng
RT: 12.53 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.7	109.1
115	33.2	27.0	40.4

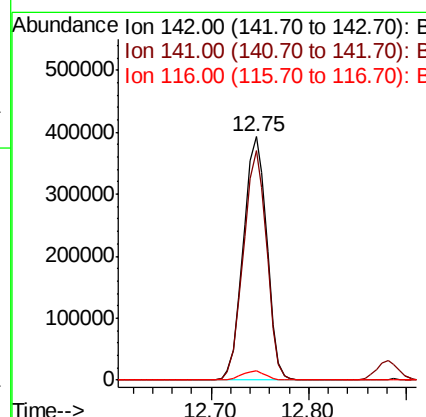
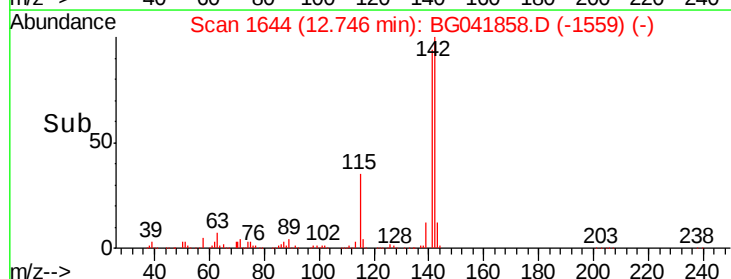
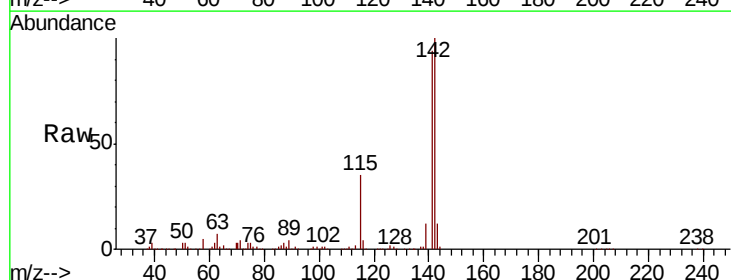
Manual Integrations
APPROVED

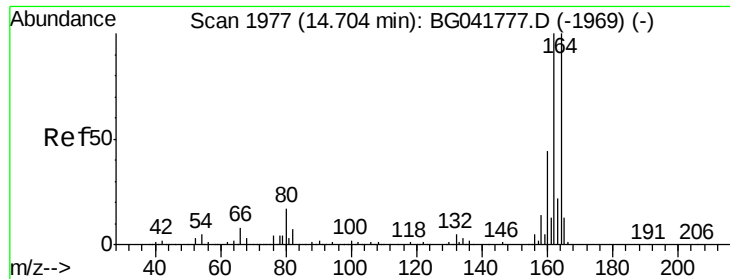
mohammad
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#38
1-Methylnaphthalene
Concen: 49.323 ng
RT: 12.75 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.3	75.4	113.2
116	4.1	3.2	4.8





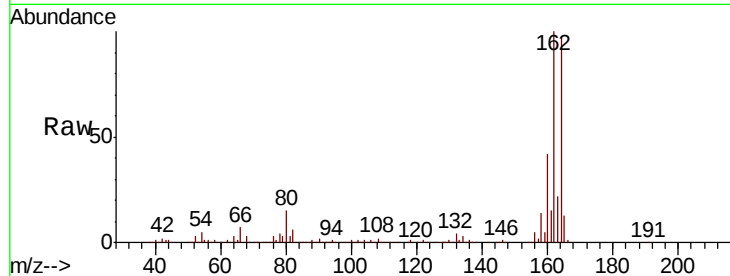
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.70 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.6	119.4
160	43.4	35.4	53.0

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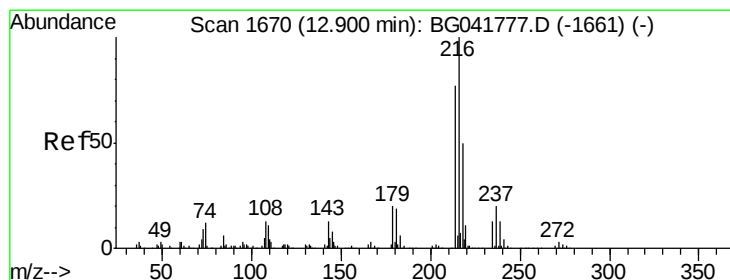
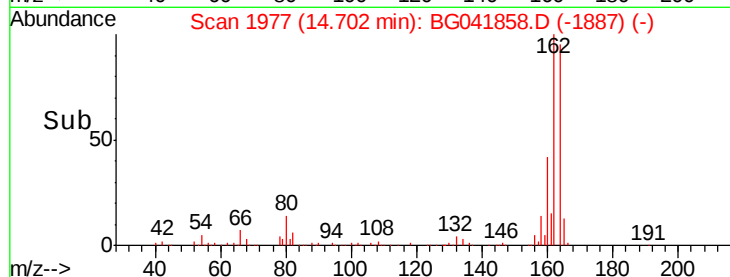
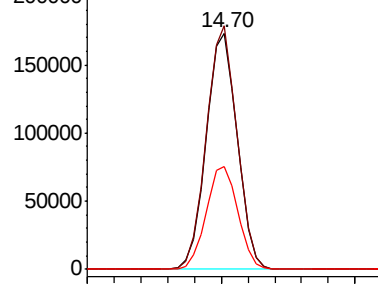


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.550 ng
RT: 12.89 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.3	61.5	92.3
179	18.8	16.2	24.2
108	14.5	13.2	19.8

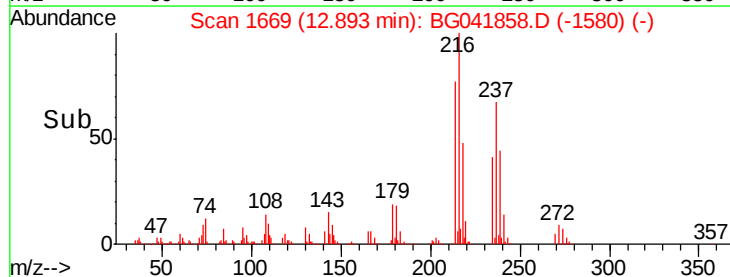
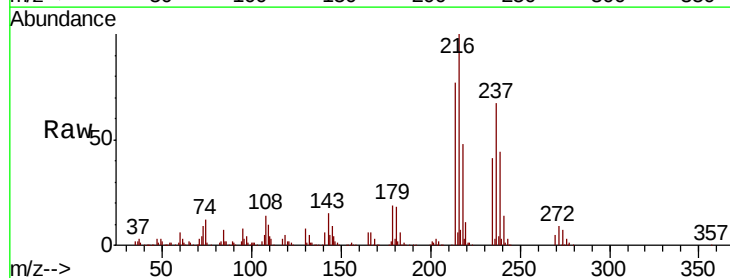
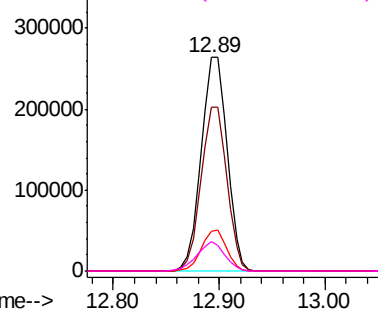
Abundance

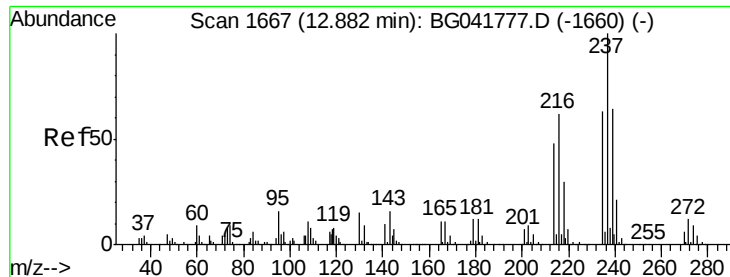
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 103.766 ng

RT: 12.88 min Scan# 1667

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

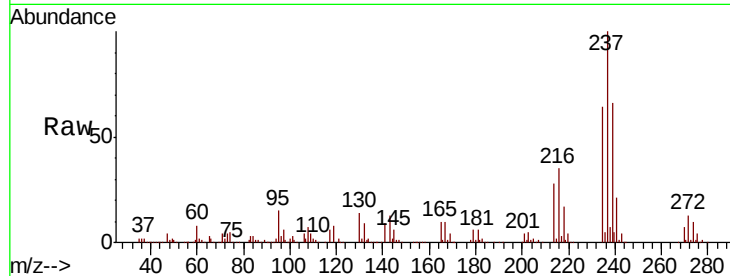
ClientSampleId :

OK-01-072919MSD

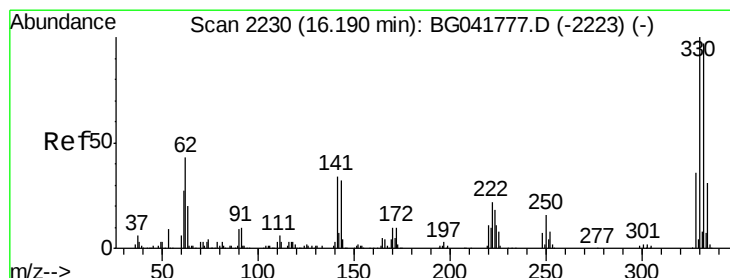
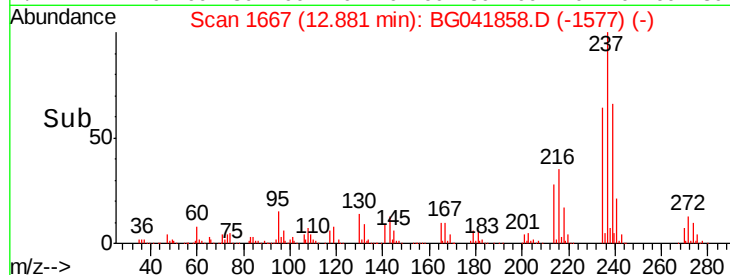
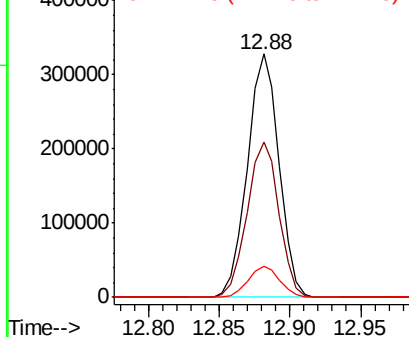
Tot Ion:	237	Resp:	515234
Ion Ratio	Lower	Upper	
237	100		
235	63.8	43.5	83.5
272	12.9	0.0	31.2

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 174.398 ng

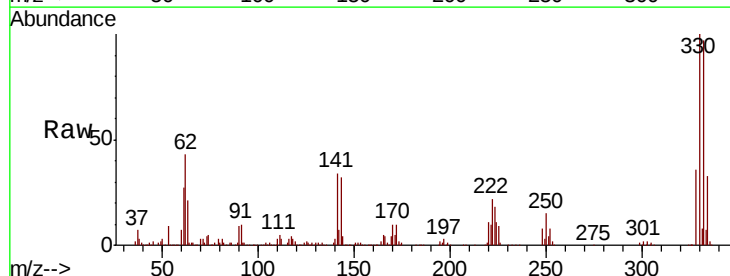
RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

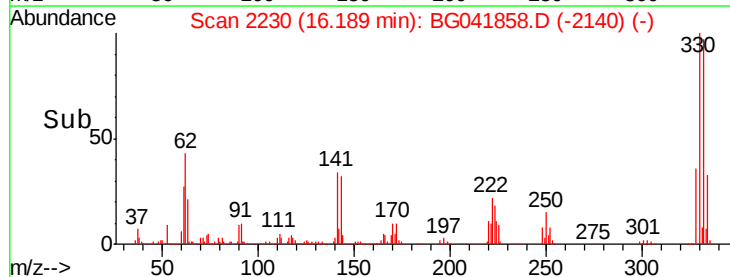
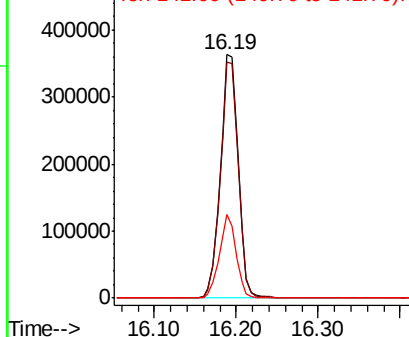
Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion:	330	Resp:	552677
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.4	116.0
141	32.2	31.9	47.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





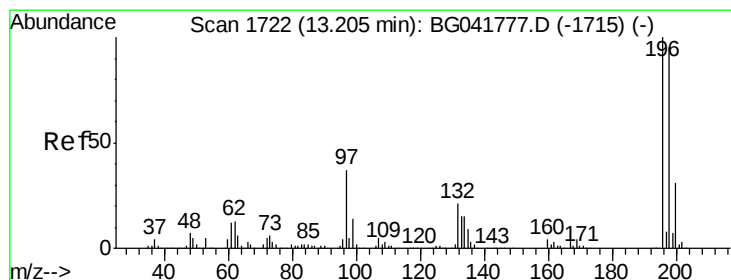
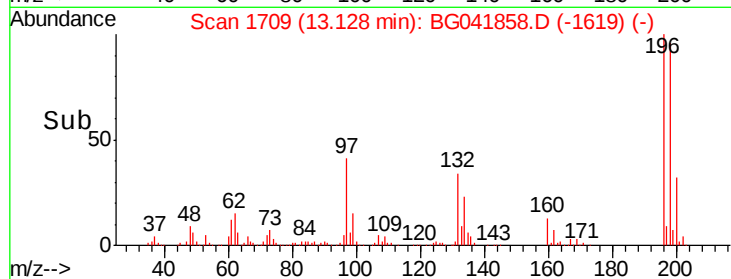
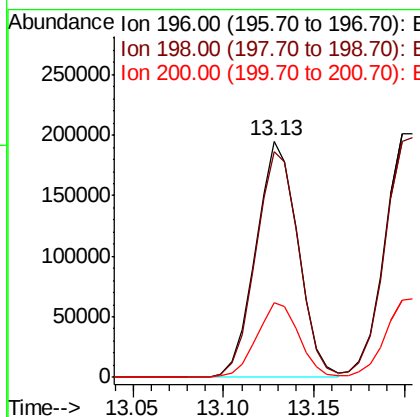
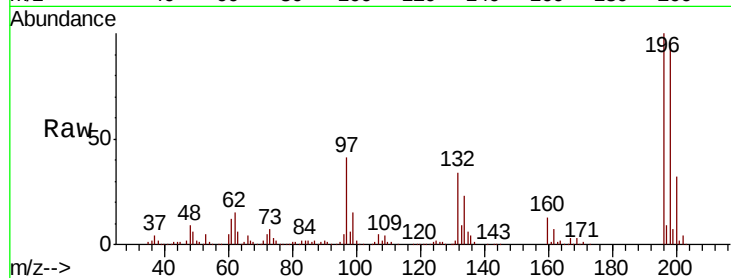
#43
 2,4,6-Trichlorophenol
 Concen: 56.358 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	314586		
198	95.6	79.6	119.4	
200	31.6	25.2	37.8	

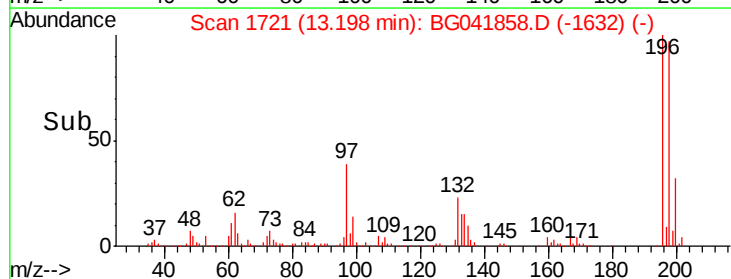
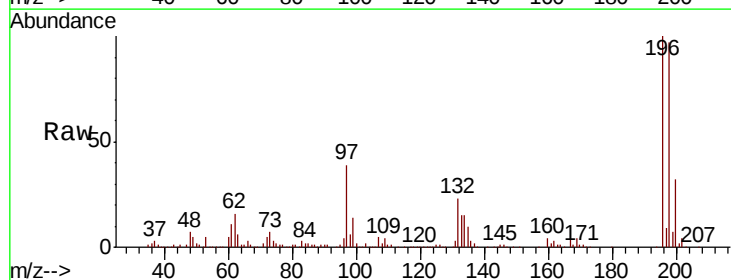
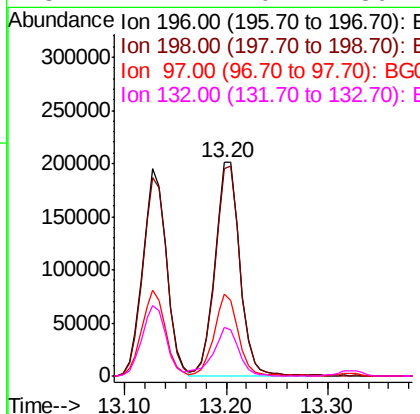
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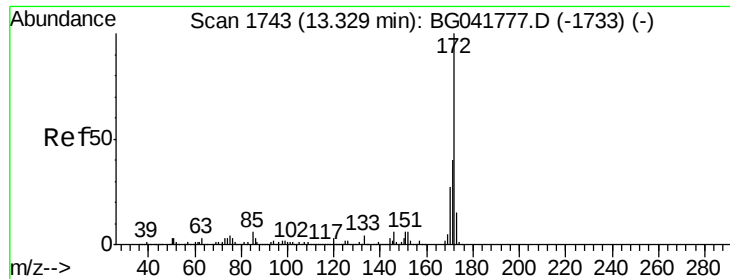
mohammad
 8/5/2019 1:47:22 PM



#44
 2,4,5-Trichlorophenol
 Concen: 58.887 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.01 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	341582		
198	96.9	80.6	121.0	
97	38.5	33.9	50.9	
132	22.7	20.2	30.2	





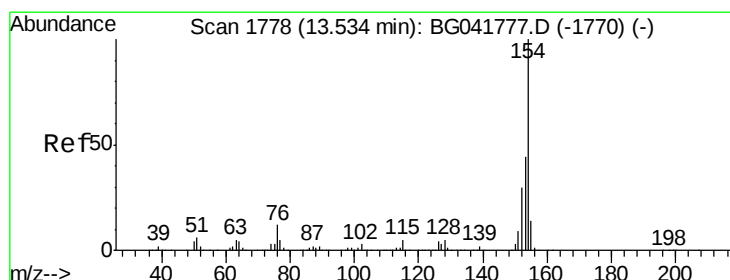
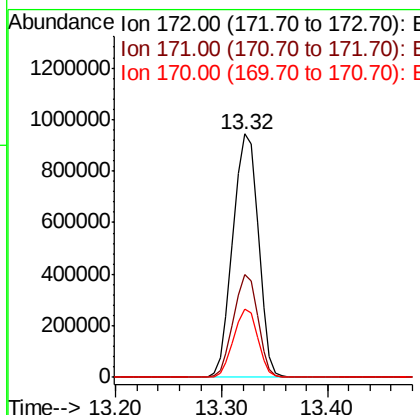
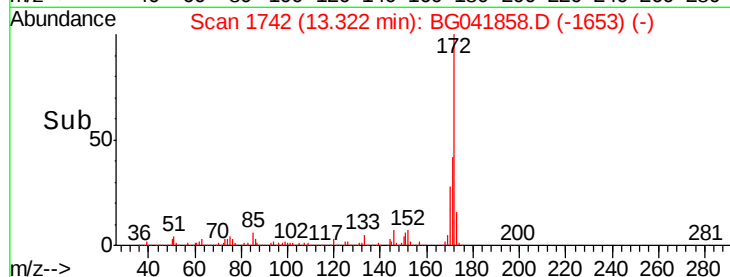
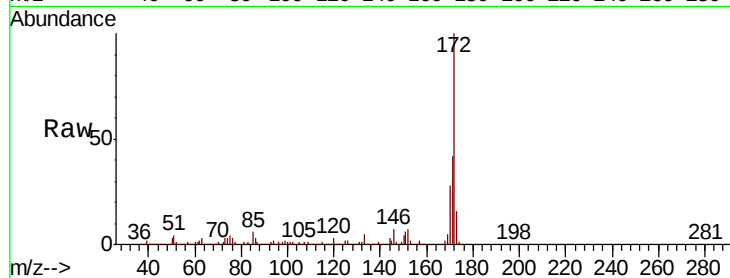
#45
2-Fluorobiphenyl
Concen: 99.583 ng
RT: 13.32 min Scan# 1742
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.4	35.0	52.4
170	28.2	23.5	35.3

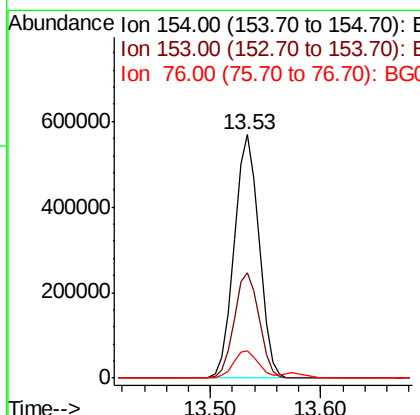
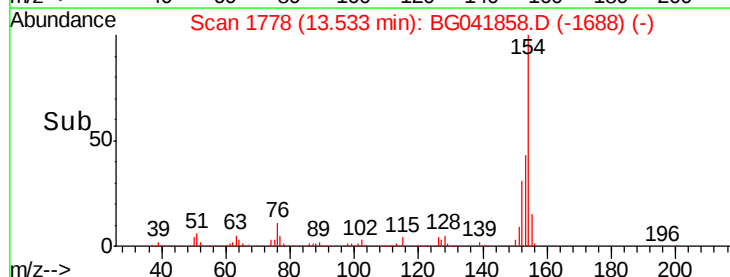
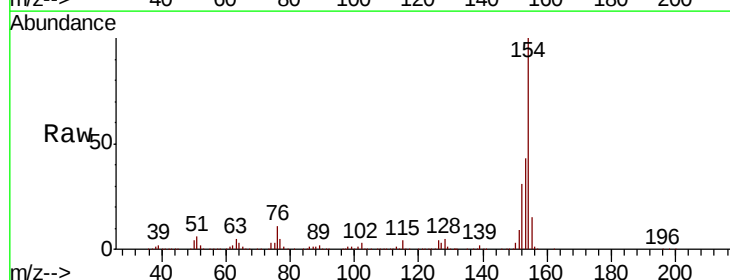
Manual Integrations
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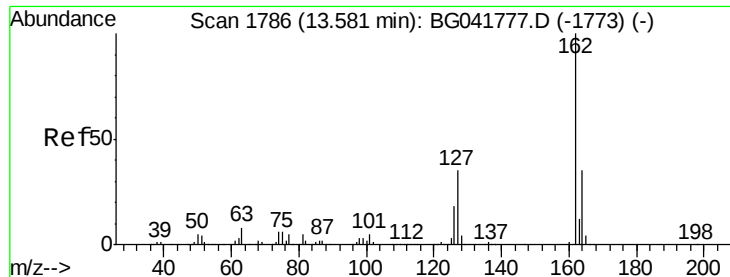
mohammad
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#46
1,1'-Biphenyl
Concen: 50.069 ng
RT: 13.53 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.3	25.0	65.0
76	11.2	0.0	34.5





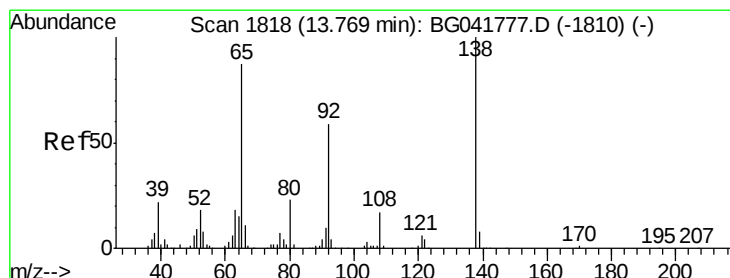
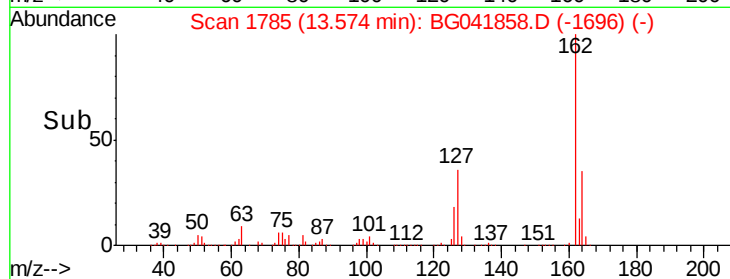
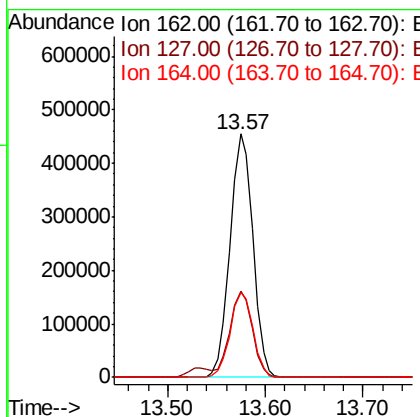
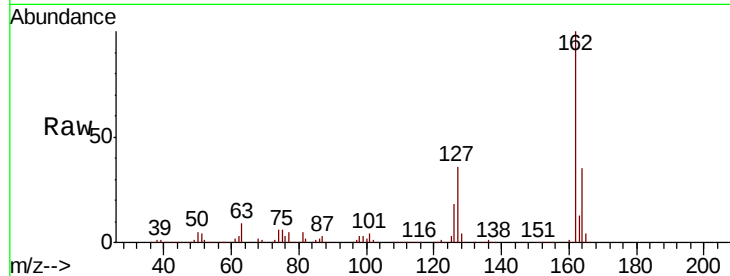
#47
2-Chloronaphthalene
Concen: 48.420 ng
RT: 13.57 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	35.6	30.4	45.6		
164	35.0	28.6	42.8		

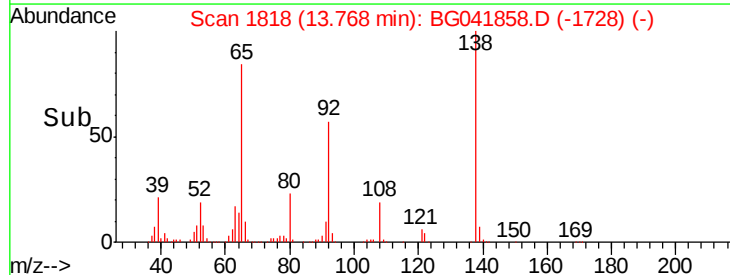
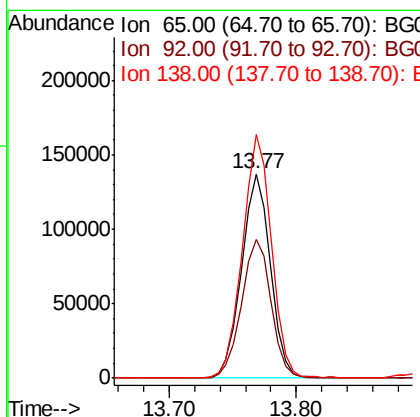
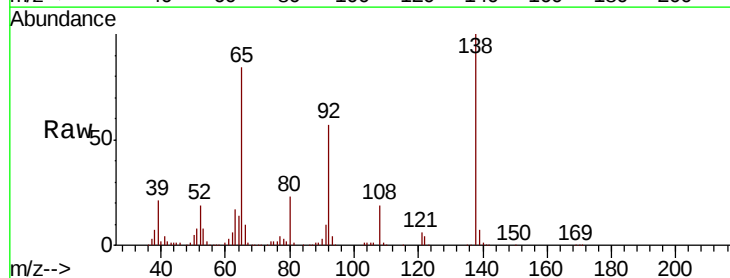
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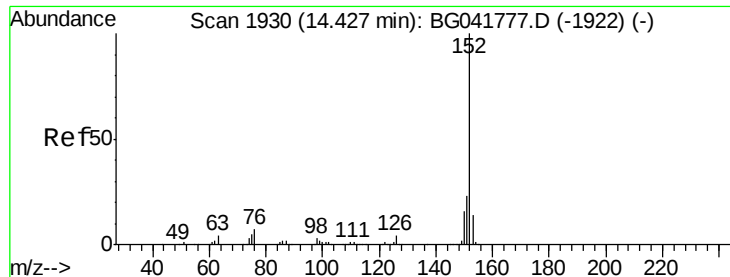
mohammad
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#48
2-Nitroaniline
Concen: 55.963 ng
RT: 13.77 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	67.5	53.9	80.9		
138	119.1	83.5	125.3		





#49

Acenaphthylene

Concen: 50.334 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:152 Resp: 1149681

Ion Ratio Lower Upper

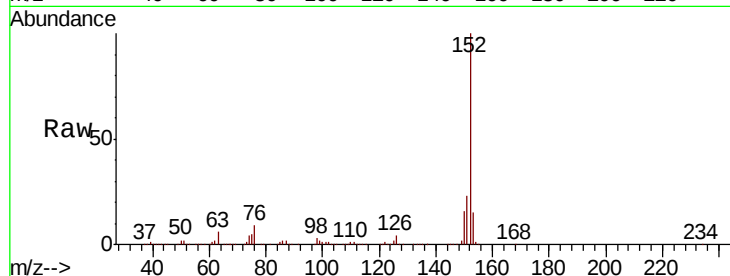
152 100

151 22.6 18.7 28.1

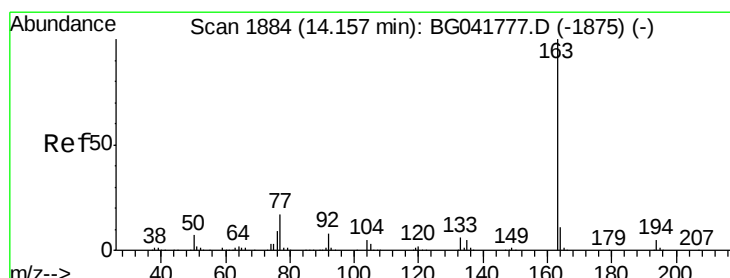
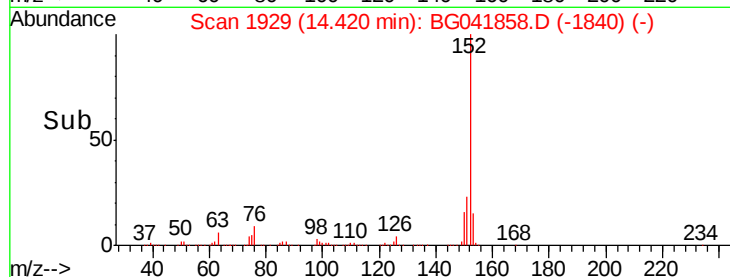
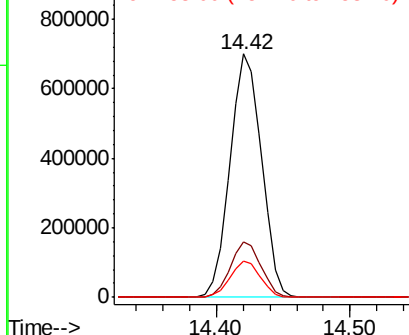
153 14.8 12.4 18.6

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



#50

Dimethylphthalate

Concen: 51.414 ng

RT: 14.15 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

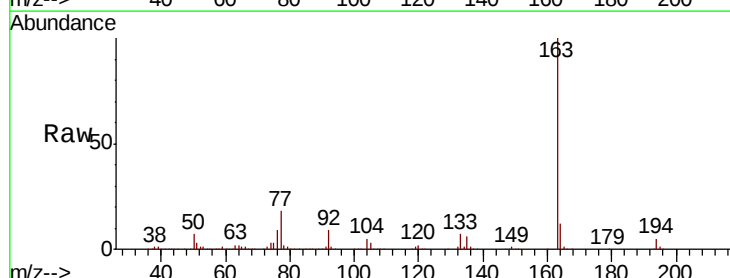
Tgt Ion:163 Resp: 979666

Ion Ratio Lower Upper

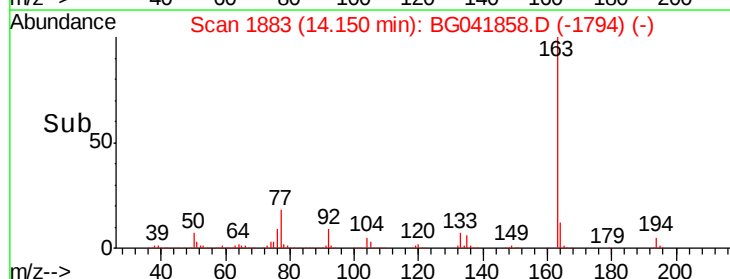
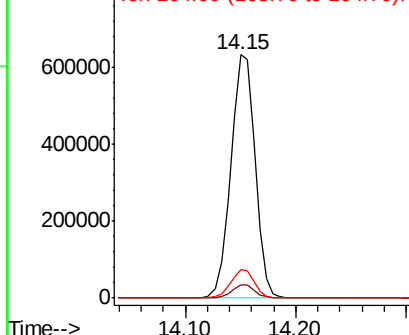
163 100

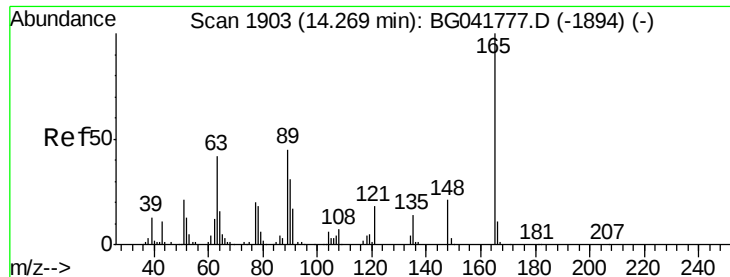
194 5.5 4.2 6.2

164 11.6 9.4 14.2



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





#51

2,6-Dinitrotoluene

Concen: 60.002 ng

RT: 14.27 min Scan# 1903

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:165 Resp: 239068
Ion Ratio Lower Upper

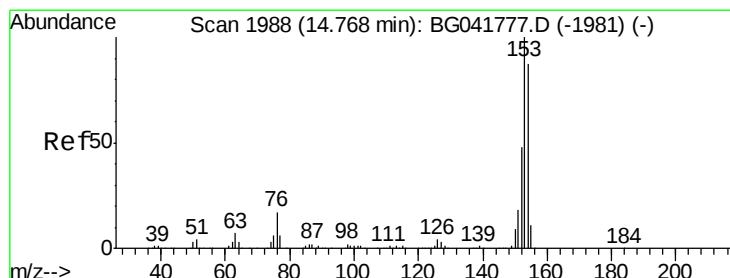
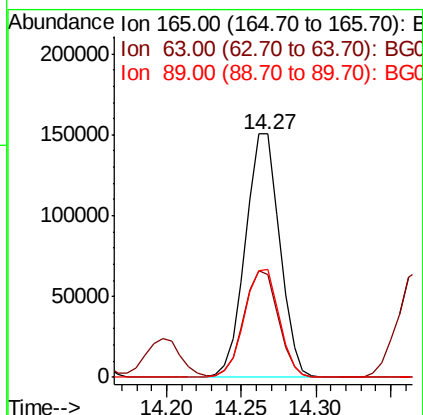
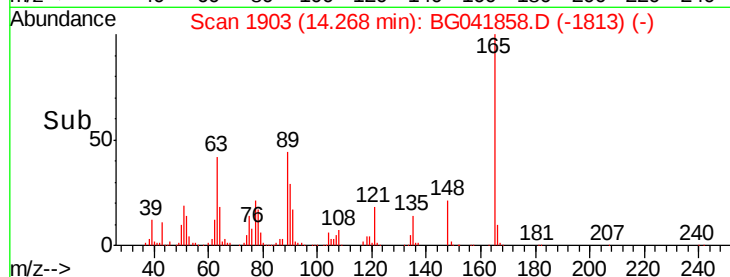
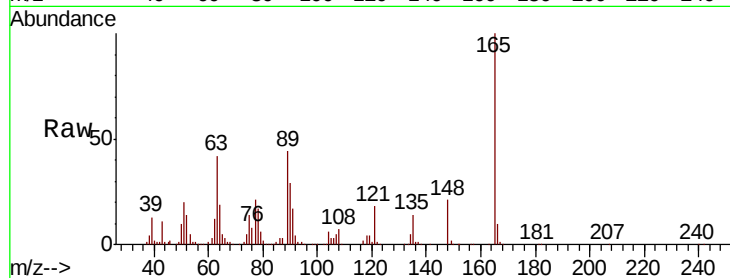
165 100

63 42.1 42.4 63.6#

89 44.4 42.1 63.1

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#52

Acenaphthene

Concen: 48.992 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BG041858.D

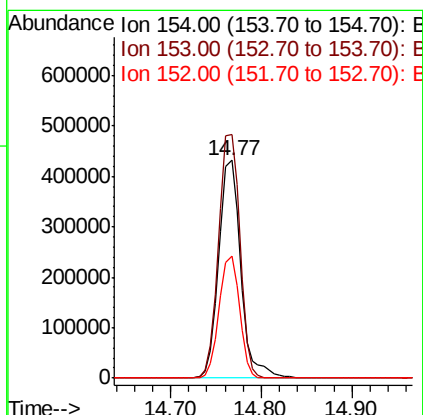
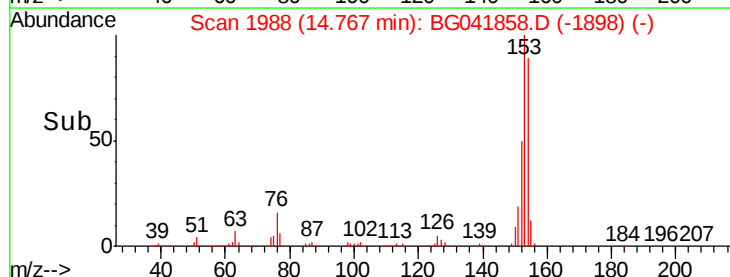
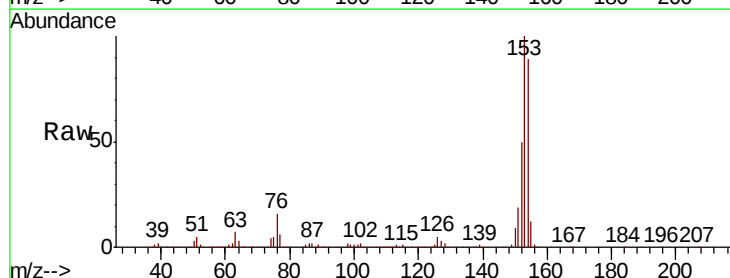
Acq: 1 Aug 2019 11:43

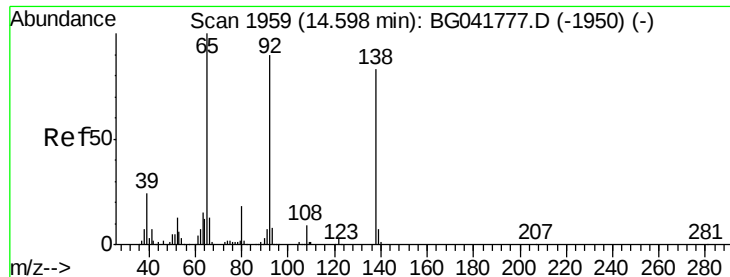
Tgt Ion:154 Resp: 727812
Ion Ratio Lower Upper

154 100

153 111.9 89.8 134.6

152 56.4 44.9 67.3





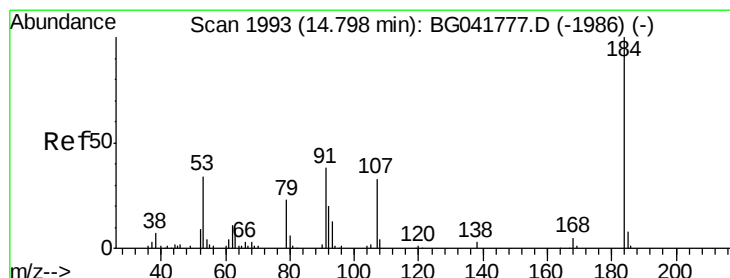
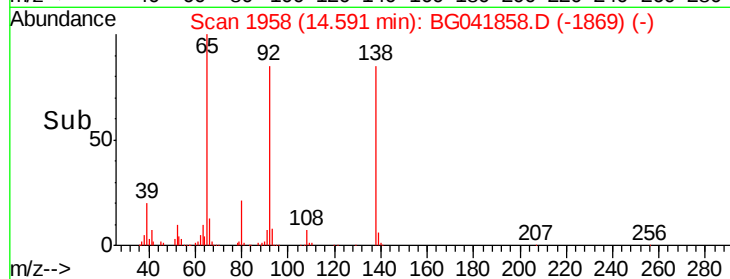
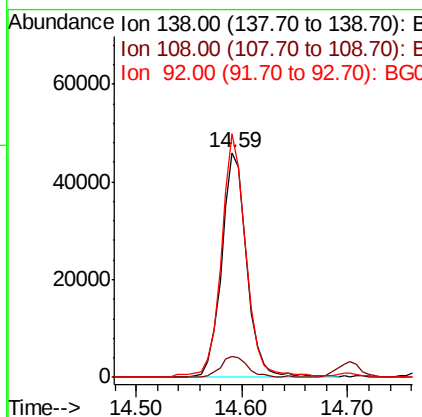
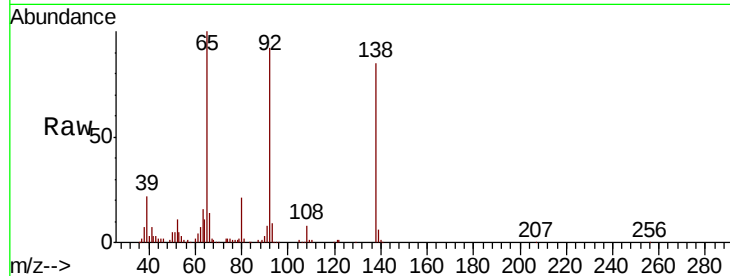
#53
3-Nitroaniline
Concen: 17.738 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.0	10.3	15.5#
92	108.5	93.0	139.4

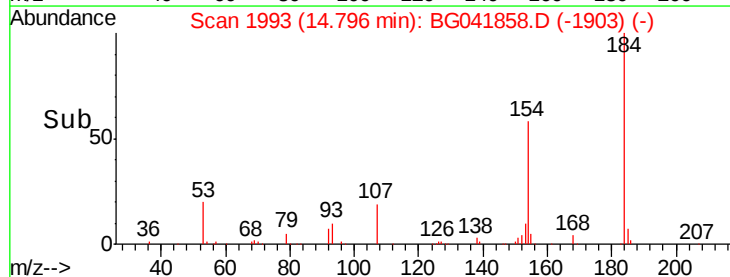
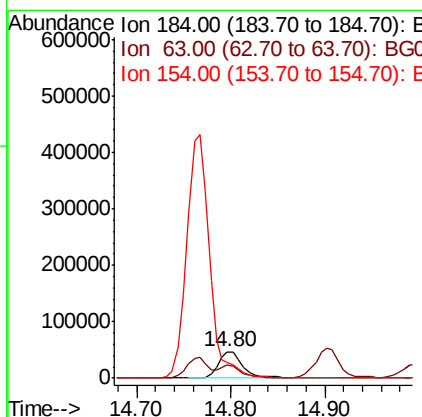
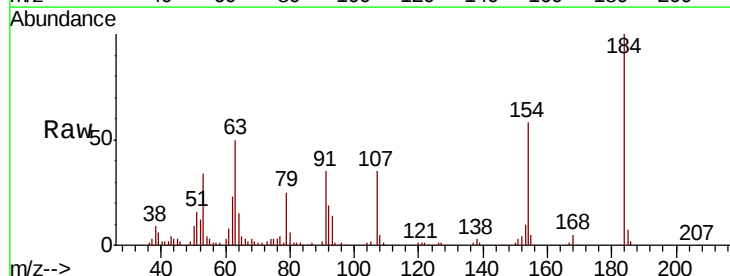
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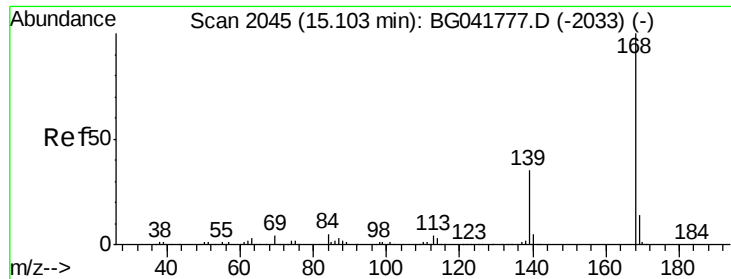
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#54
2,4-Dinitrophenol
Concen: 44.417 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	50.3	43.2	64.8
154	58.3	51.4	77.2





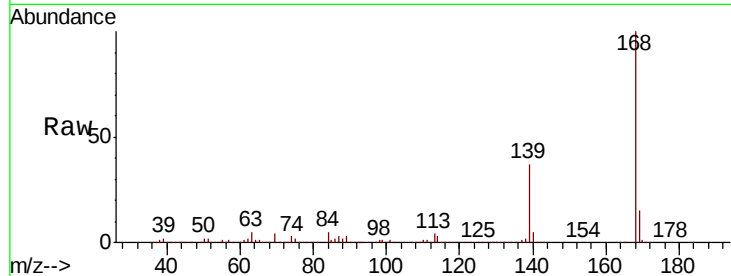
#55
Dibenzenofuran
Concen: 50.115 ng
RT: 15.10 min Scan# 2045
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	31.9	47.9
169	15.3	12.5	18.7

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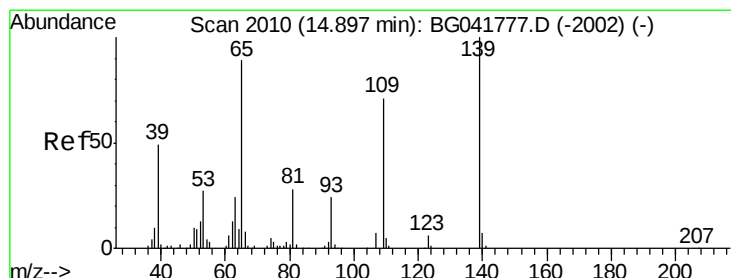
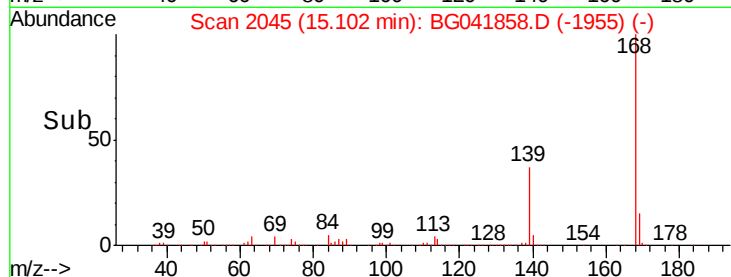
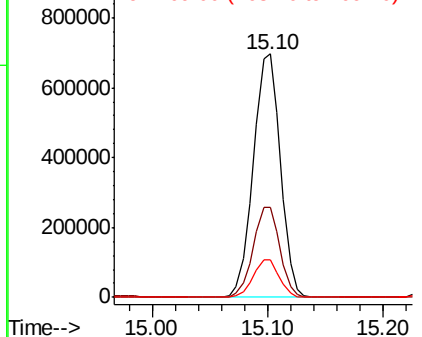


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 110.600 ng
RT: 14.90 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

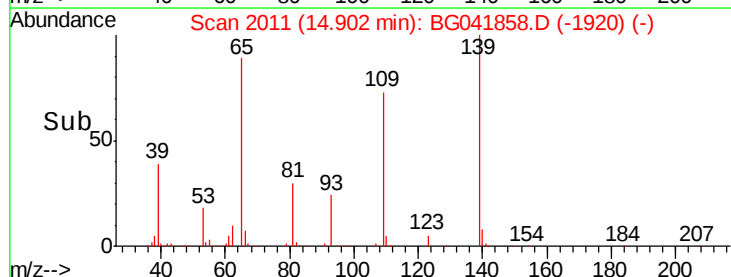
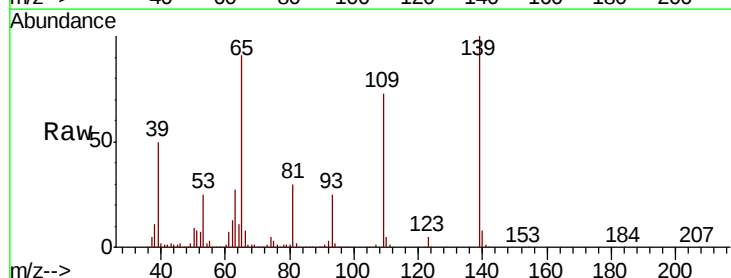
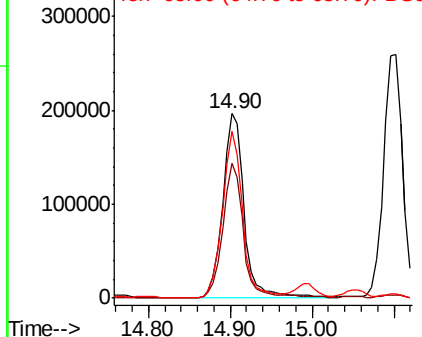
Tgt Ion	Ratio	Lower	Upper
139	100		
109	73.2	51.3	91.3
65	90.7	77.6	117.6

Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





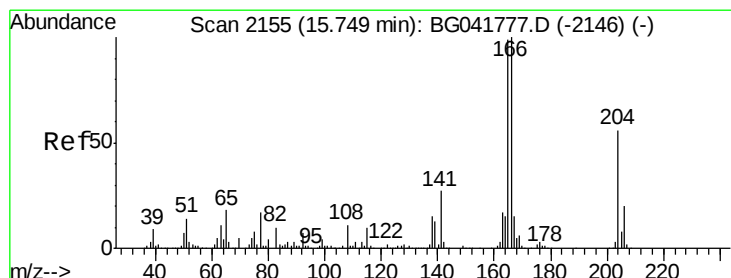
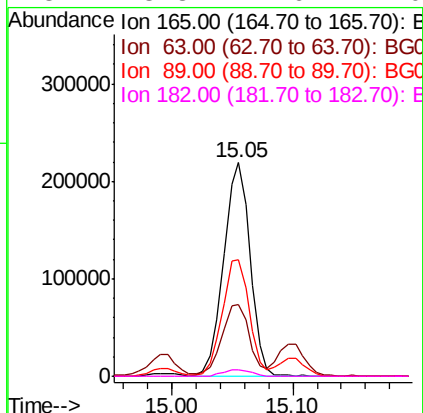
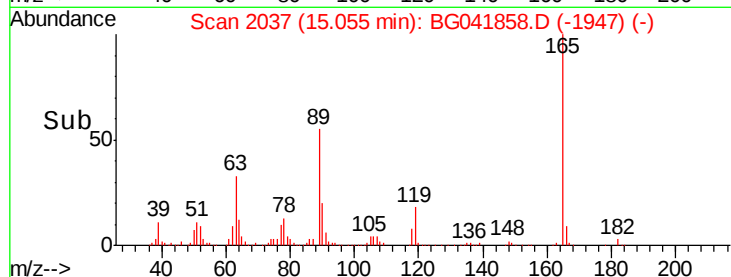
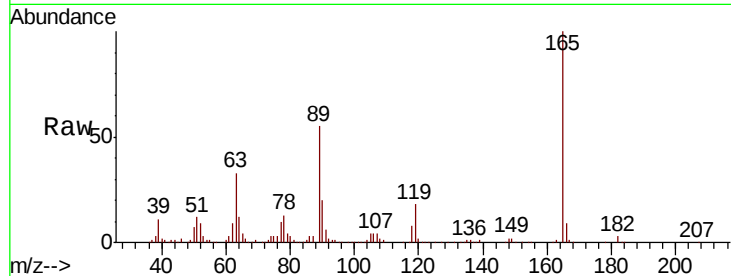
#57
2,4-Dinitrotoluene
Concen: 60.557 ng
RT: 15.05 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		331813		
63	33.4	31.7	47.5		
89	54.6	50.2	75.4		
182	3.3	2.6	4.0		

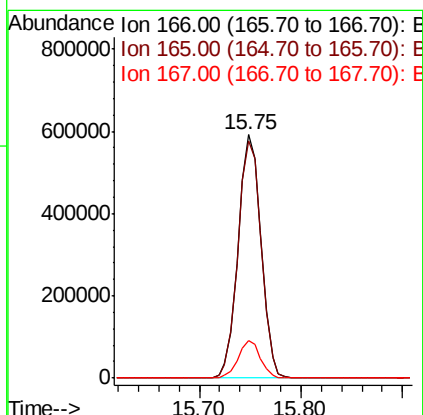
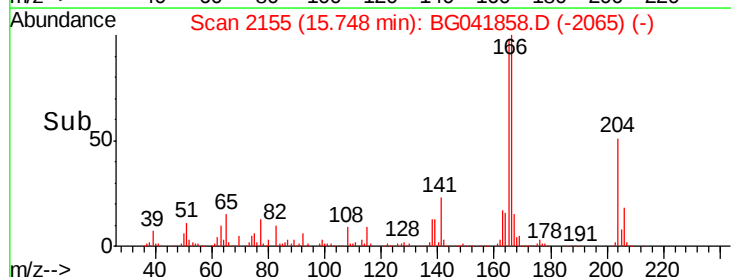
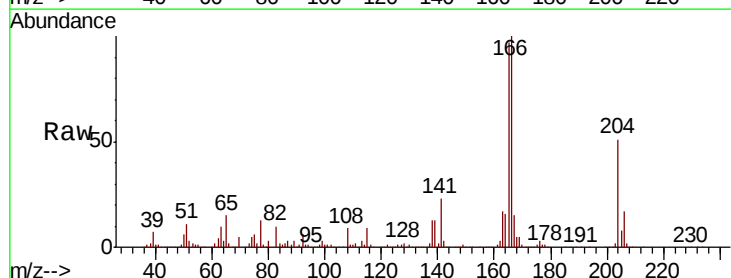
Manual Integrations
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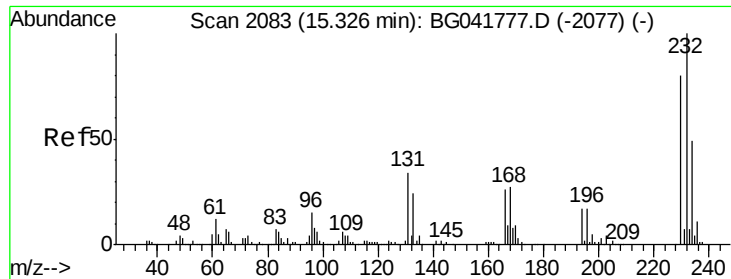
mohammad
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#58
Fluorene
Concen: 50.821 ng
RT: 15.75 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		926724		
165	97.2	80.5	120.7		
167	15.3	12.4	18.6		





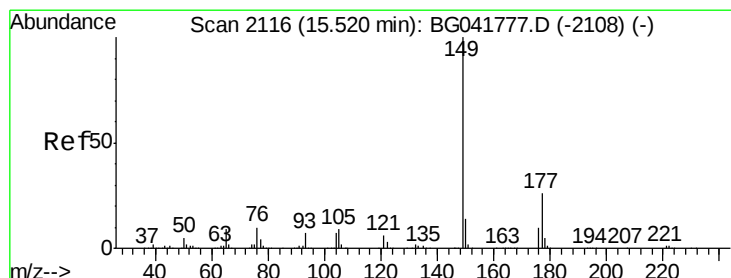
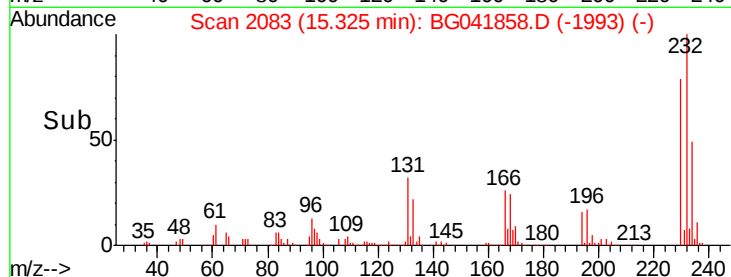
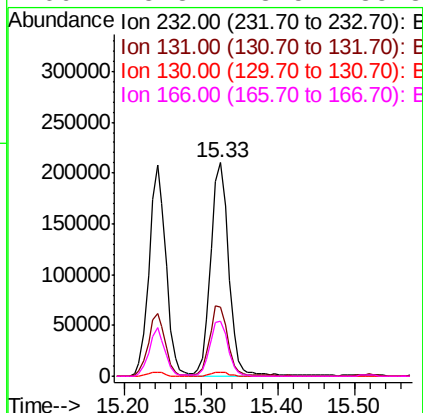
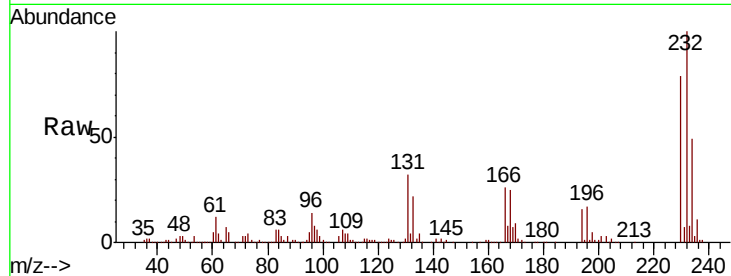
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.696 ng
RT: 15.33 min Scan# 2083
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		337211		
131	32.2	31.8	47.6		
130	1.9	1.8	2.8		
166	25.8	23.5	35.3		

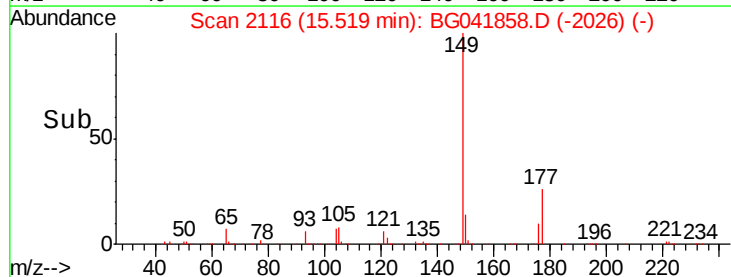
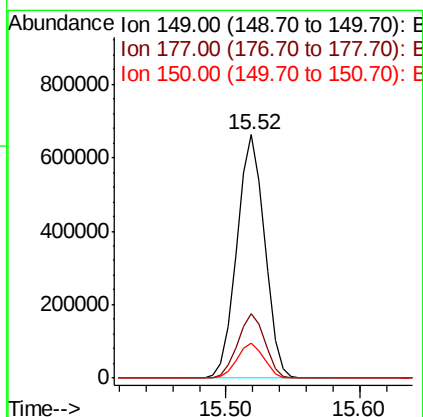
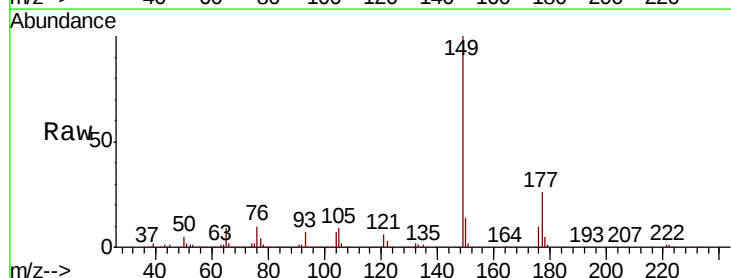
Manual Integrations
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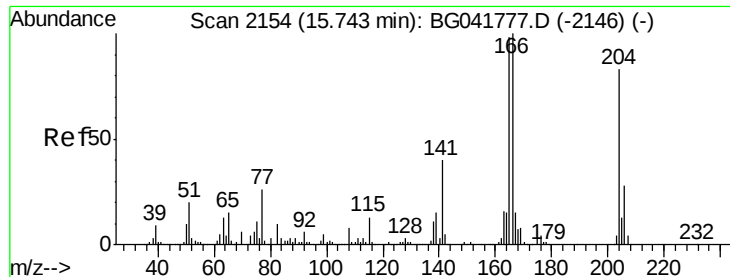
mohammad
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#60
Diethylphthalate
Concen: 51.074 ng
RT: 15.52 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		955439		
177	26.3	20.7	31.1		
150	14.4	11.5	17.3		





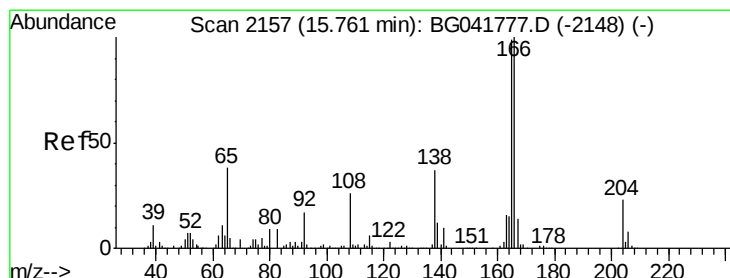
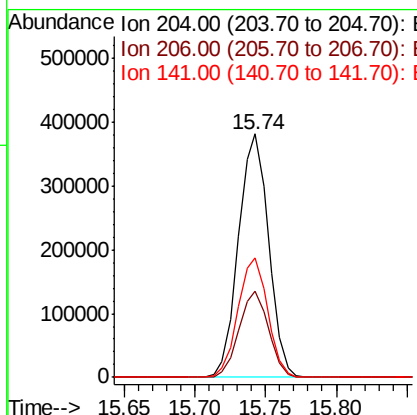
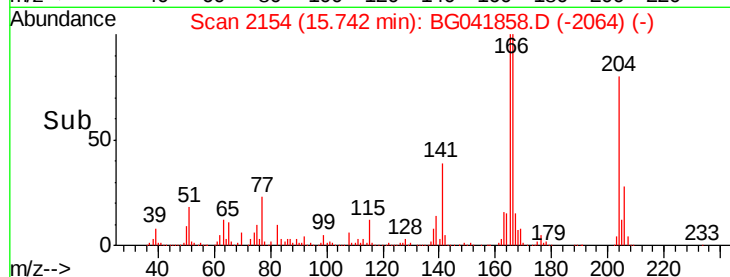
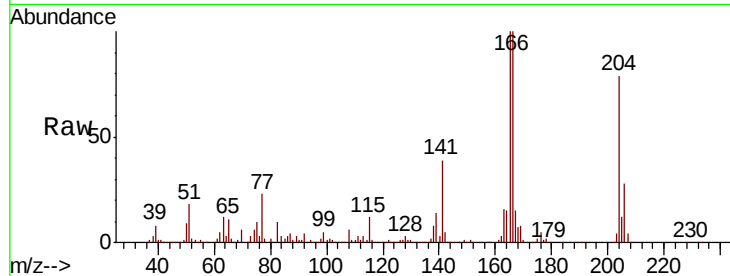
#61
 4-Chlorophenyl-phenylether
 Concen: 50.985 ng
 RT: 15.74 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Instrument :
 BNA_G
 ClientSampleID :
 OK-01-072919MSD

Tot Ion:	204	Resp:	567574
Ion Ratio	Lower	Upper	
204	100		
206	35.5	28.6	42.8
141	49.0	42.9	64.3

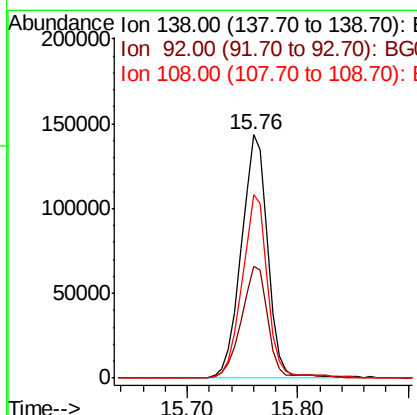
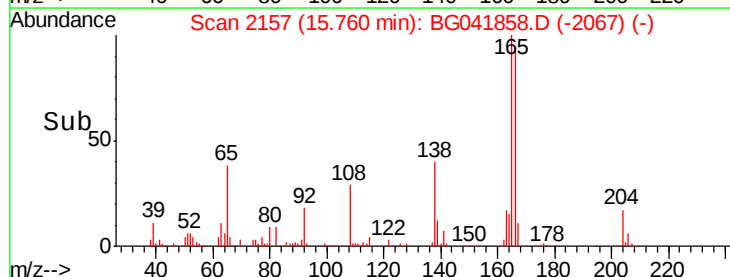
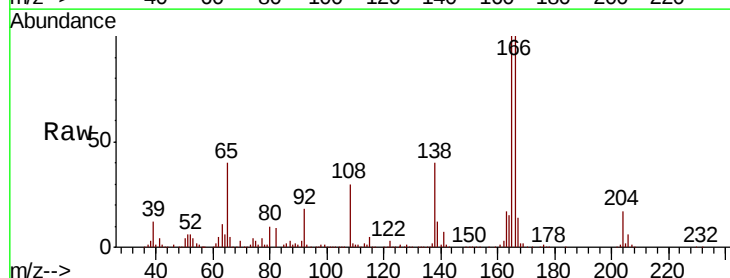
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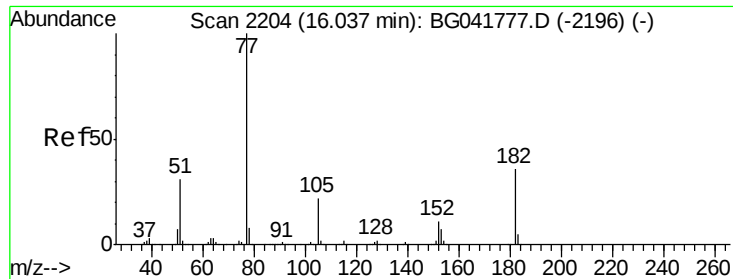
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#62
 4-Nitroaniline
 Concen: 52.291 ng
 RT: 15.76 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Tgt Ion:	138	Resp:	241422
Ion Ratio	Lower	Upper	
138	100		
92	45.9	29.8	69.8
108	75.2	52.2	92.2





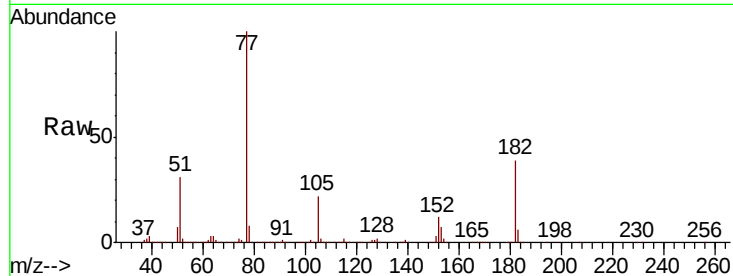
#63
Azobenzene
Concen: 49.132 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

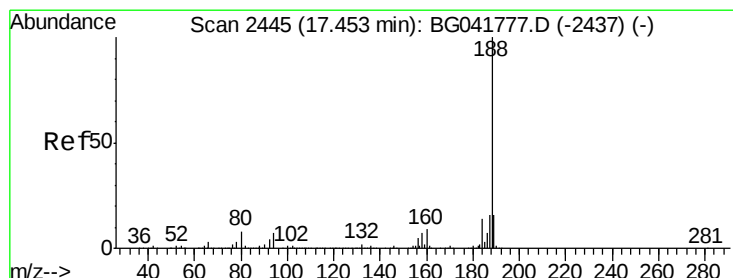
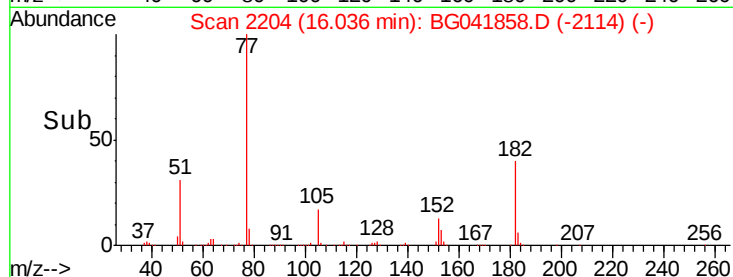
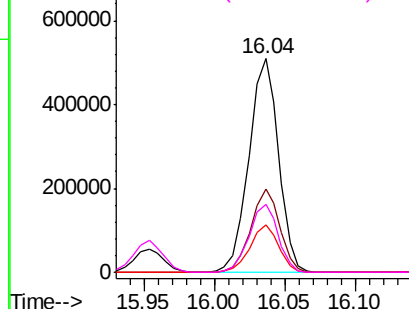
Tot Ion	Ratio	Lower	Upper
77	100		
182	39.0	13.2	53.2
105	22.2	2.2	42.2
51	31.5	14.6	54.6

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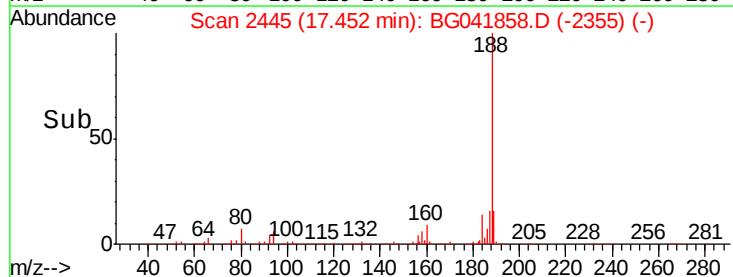
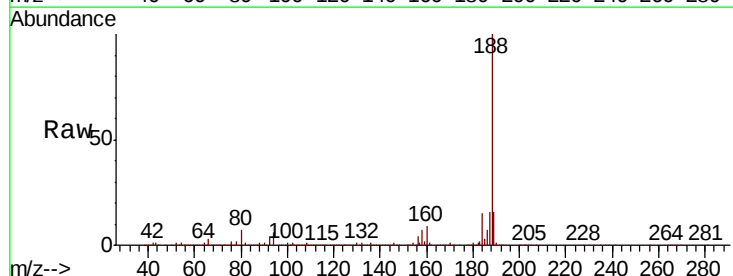
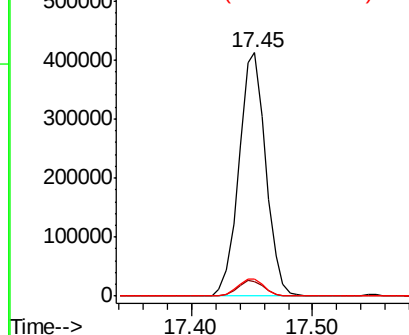
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

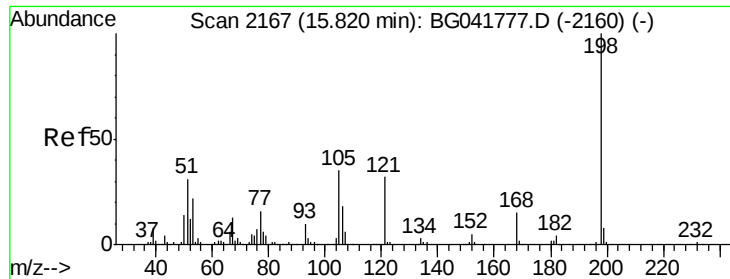


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.45 min Scan# 2445
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	7.2	8.0	12.0#

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





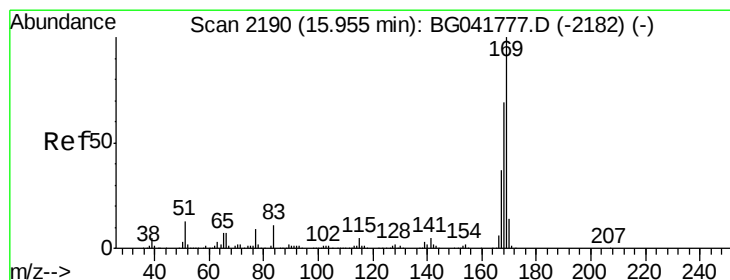
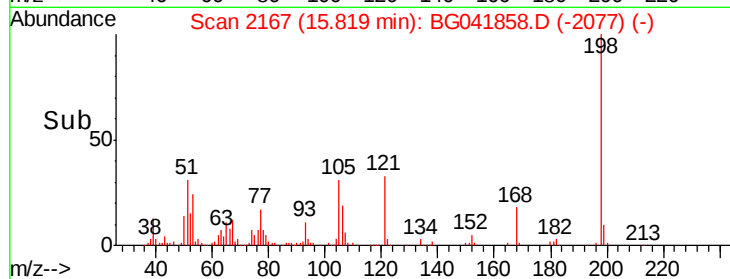
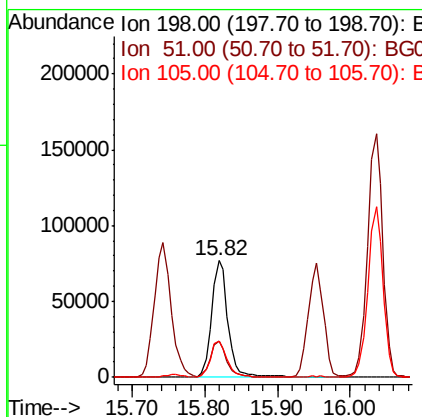
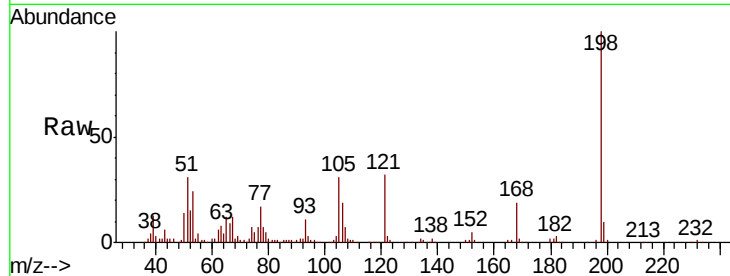
#65
4,6-Dinitro-2-methylphenol
Concen: 40.427 ng
RT: 15.82 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	122109		
51	31.2		22.3	62.3
105	31.2		18.0	58.0

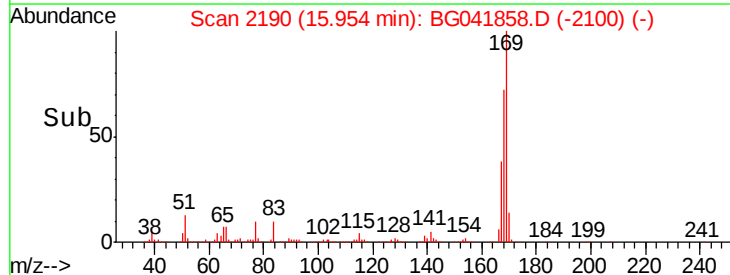
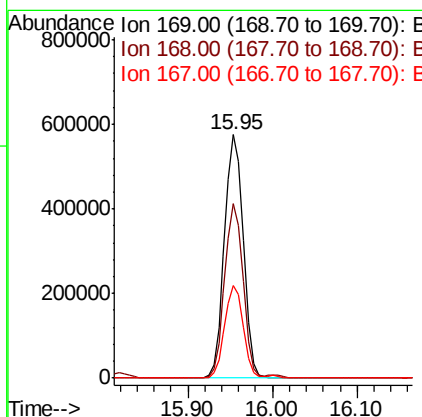
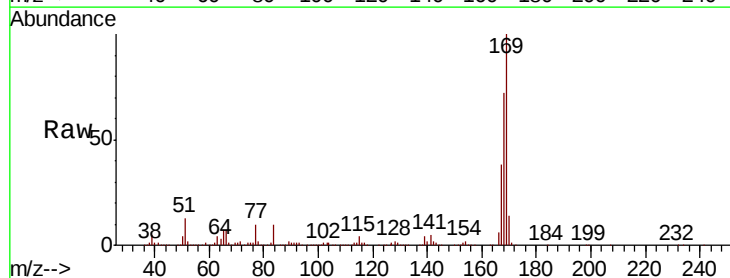
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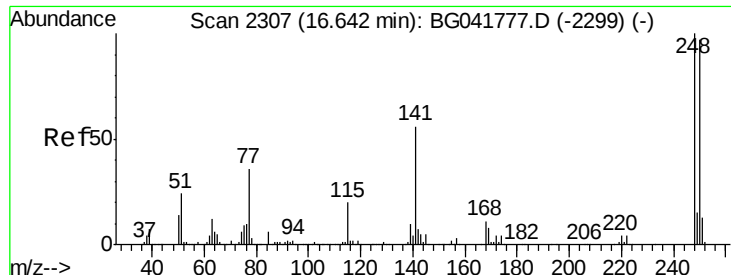
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#66
n-Nitrosodiphenylamine
Concen: 51.085 ng
RT: 15.95 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	886423		
168	71.7		56.9	85.3
167	38.3		31.5	47.3





#67

4-Bromophenyl-phenylether

Concen: 50.137 ng

RT: 16.64 min Scan# 2306

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

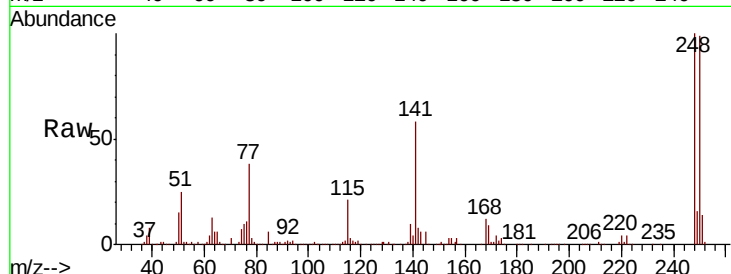
ClientSampleId :

OK-01-072919MSD

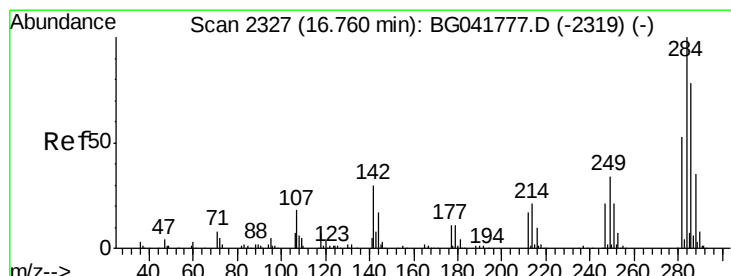
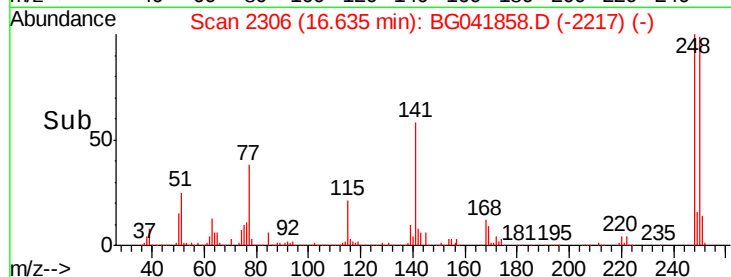
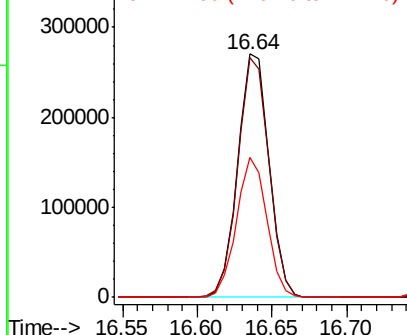
Tot Ion:	248	Resp:	393413
Ion Ratio	Lower	Upper	
248	100		
250	98.7	78.1	117.1
141	57.7	49.6	74.4

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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: 48.301 ng

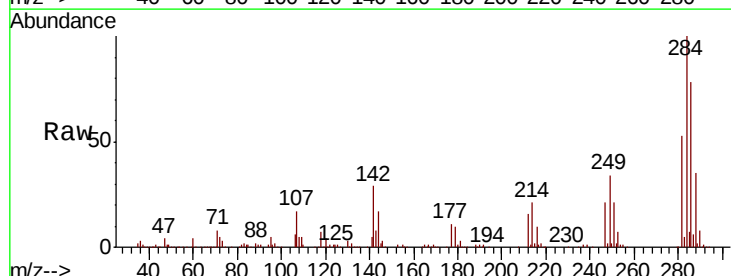
RT: 16.76 min Scan# 2327

Delta R.T. -0.00 min

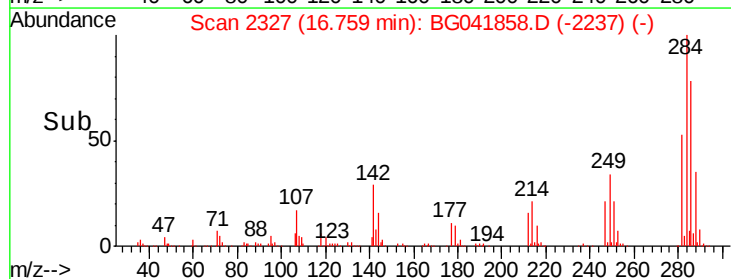
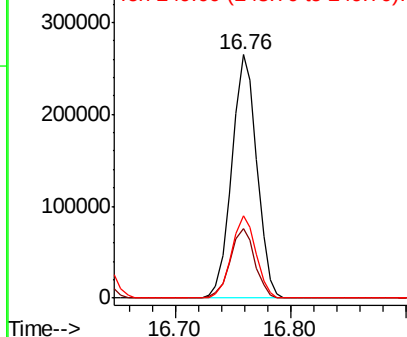
Lab File: BG041858.D

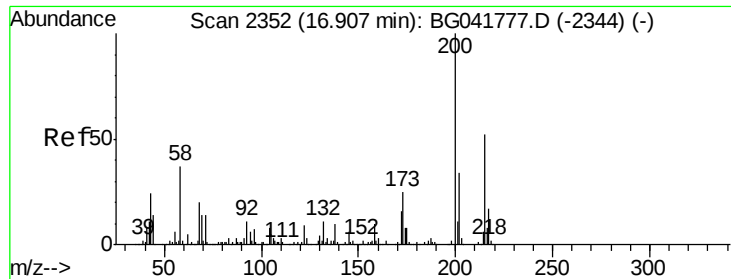
Acq: 1 Aug 2019 11:43

Tgt Ion:	284	Resp:	396509
Ion Ratio	Lower	Upper	
284	100		
142	28.6	27.0	40.6
249	33.6	28.4	42.6



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





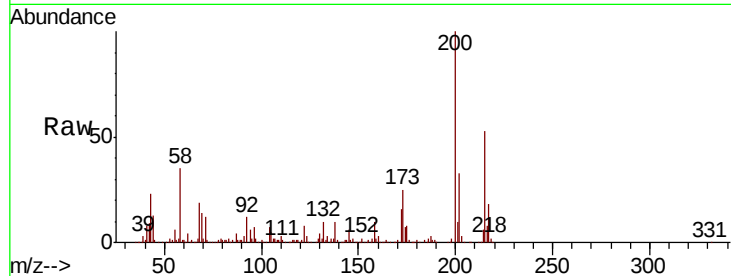
#69
Atrazine
Concen: 50.921 ng
RT: 16.91 min Scan# 2352
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	347162		
173	25.3	5.3	45.3	
215	52.7	31.8	71.8	

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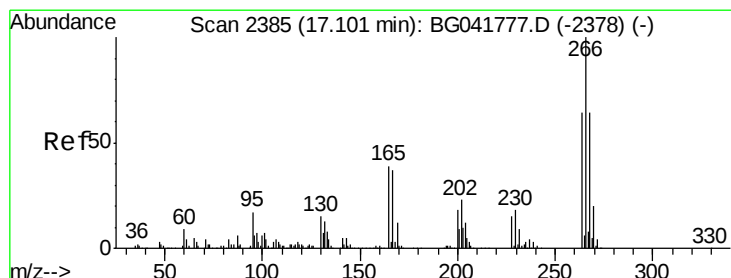
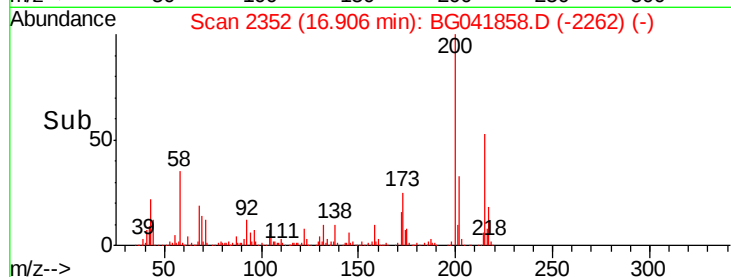
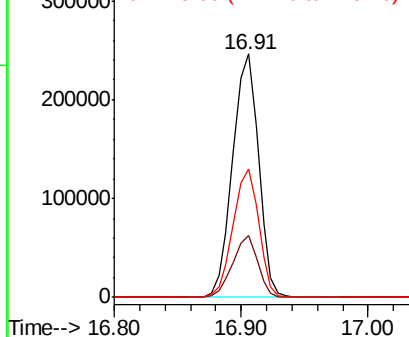


Abundance

Ion 200.00 (199.70 to 200.70): E

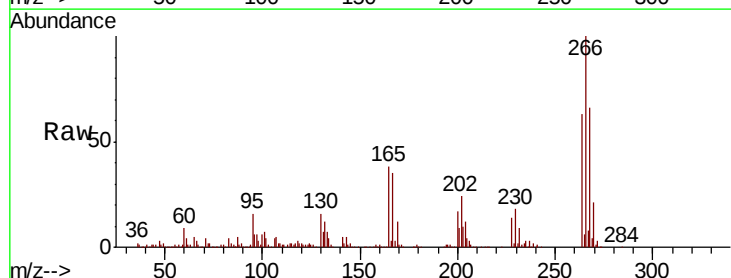
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 51.403 ng
RT: 17.10 min Scan# 2385
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	239713		
268	65.7	52.9	79.3	
264	62.6	51.4	77.2	

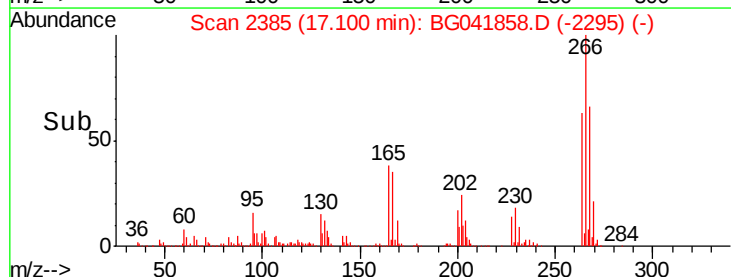
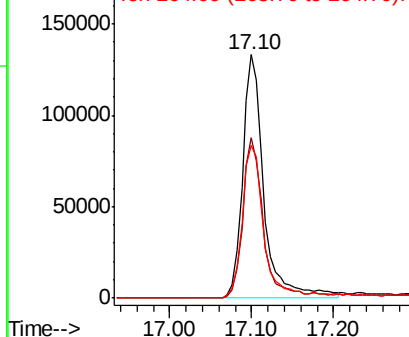


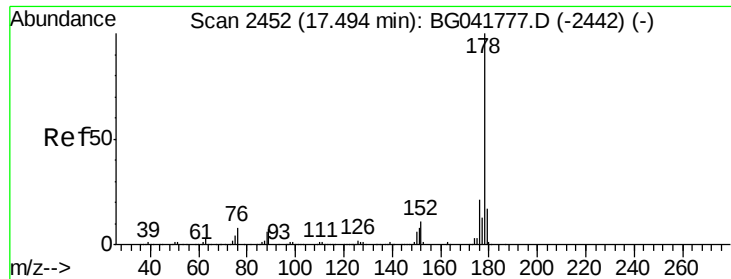
Abundance

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





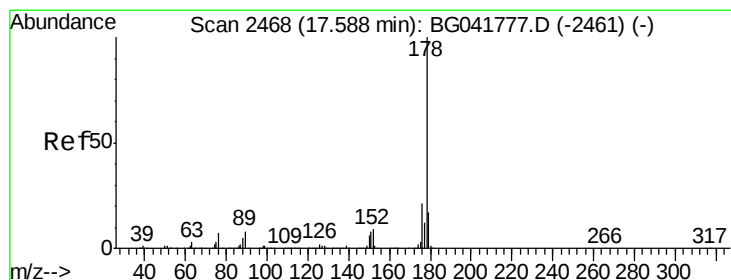
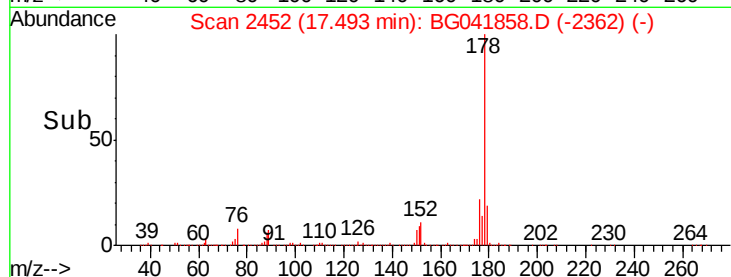
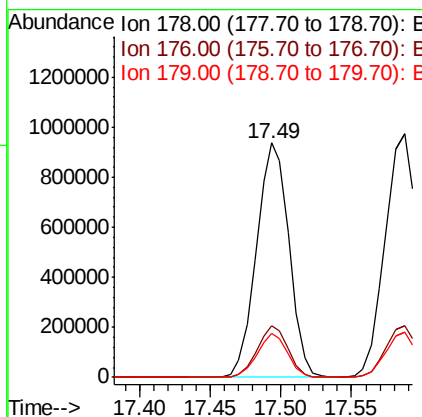
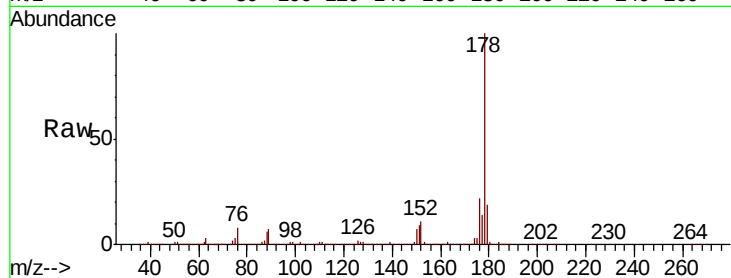
#71
Phenanthrene
Concen: 49.664 ng
RT: 17.49 min Scan# 2452
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion:178 Resp: 1516433
Ion Ratio Lower Upper
178 100
176 21.8 18.6 28.0
179 18.6 15.4 23.0

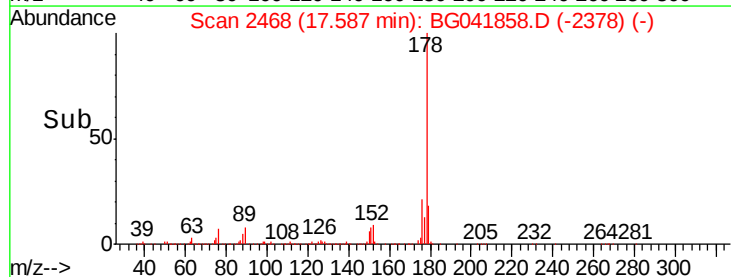
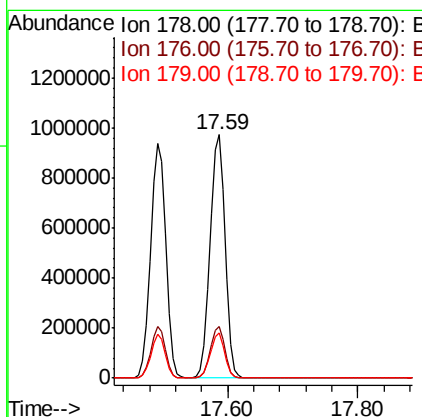
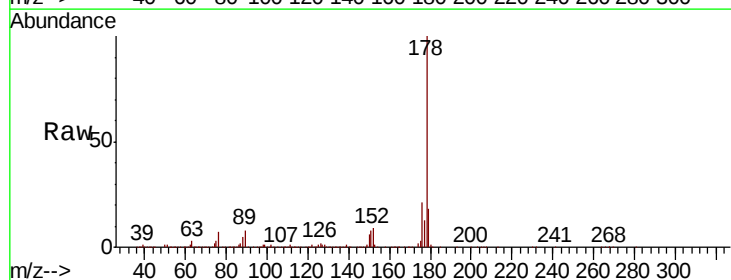
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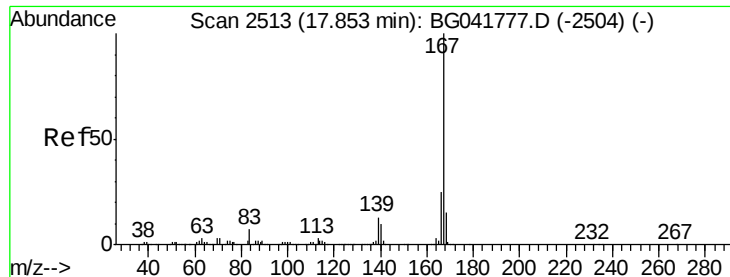
mohammad
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#72
Anthracene
Concen: 51.104 ng
RT: 17.59 min Scan# 2468
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion:178 Resp: 1556232
Ion Ratio Lower Upper
178 100
176 21.4 18.6 28.0
179 18.3 15.1 22.7





#73

Carbazole

Concen: 50.560 ng

RT: 17.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:167 Resp: 1381914

Ion Ratio Lower Upper

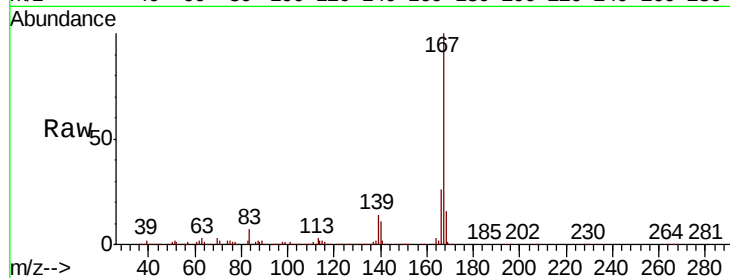
167 100

166 25.8 21.4 32.2

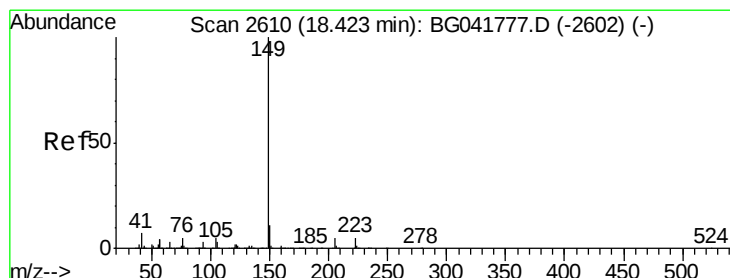
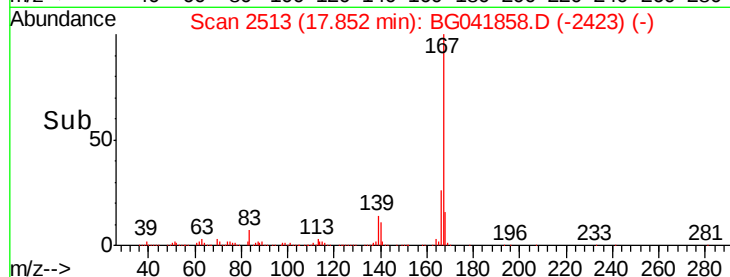
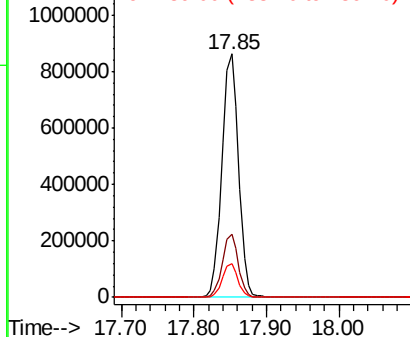
139 13.7 12.1 18.1

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.783 ng

RT: 18.42 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

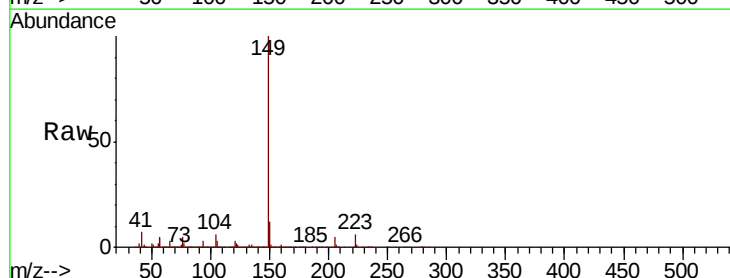
Tgt Ion:149 Resp: 1542584

Ion Ratio Lower Upper

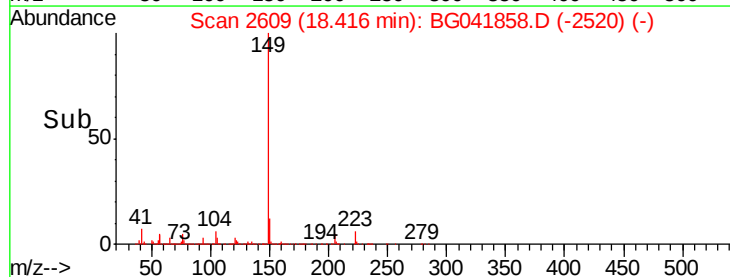
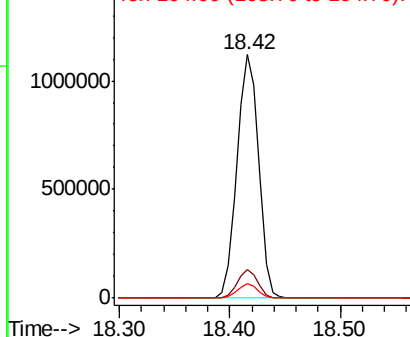
149 100

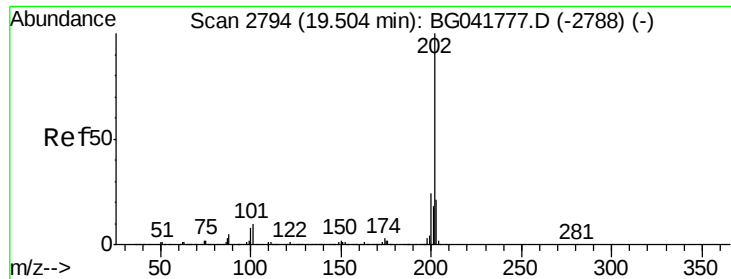
150 11.8 10.2 15.2

104 5.8 5.3 7.9



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 49.609 ng

RT: 19.50 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

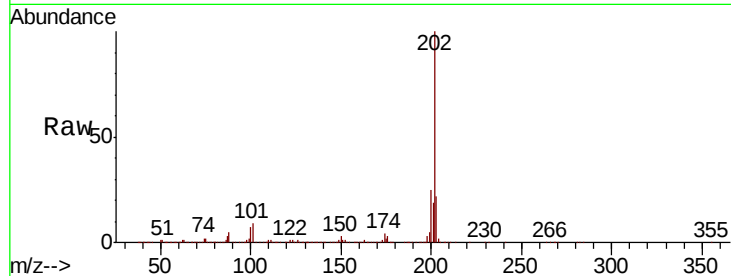
ClientSampleId :

OK-01-072919MSD

Tot Ion:	202	Resp:	1841200
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	32.8
203	22.1	3.7	43.7

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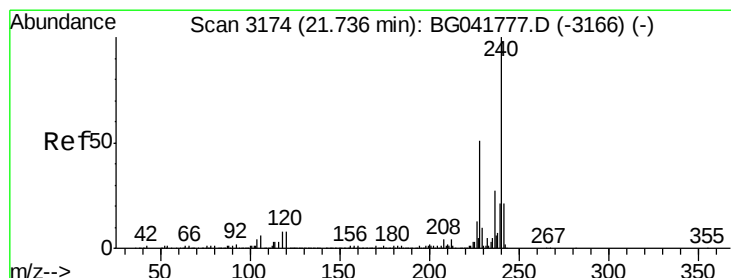
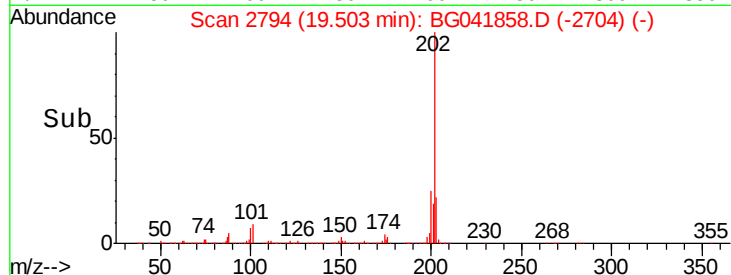
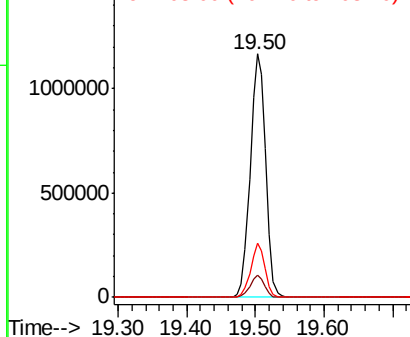


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3174

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

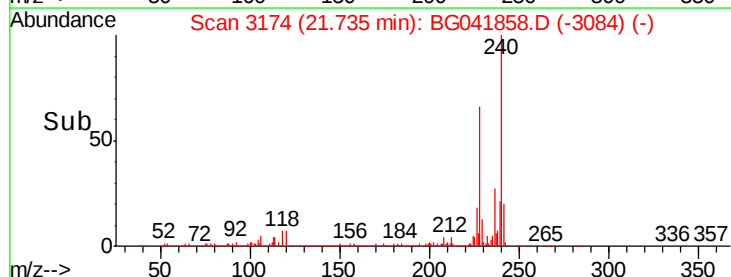
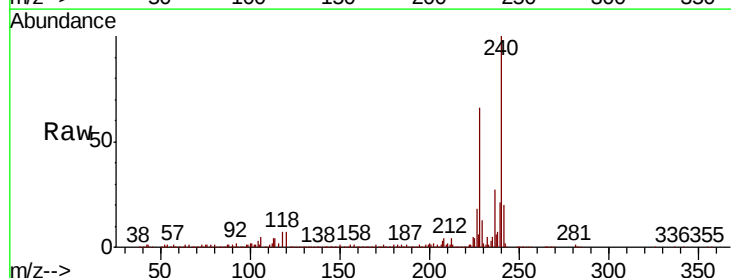
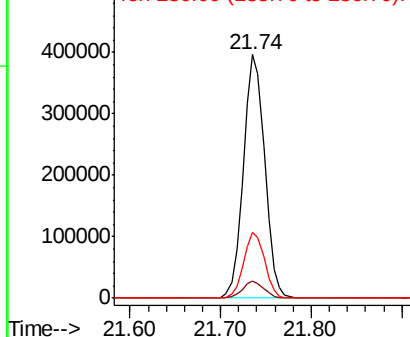
Tgt Ion:	240	Resp:	644182
Ion Ratio	Lower	Upper	
240	100		
120	7.2	8.0	12.0#
236	26.8	22.6	33.8

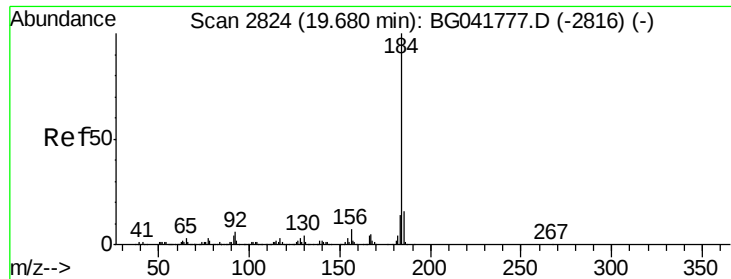
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 15.036 ng

RT: 19.68 min Scan# 2824

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

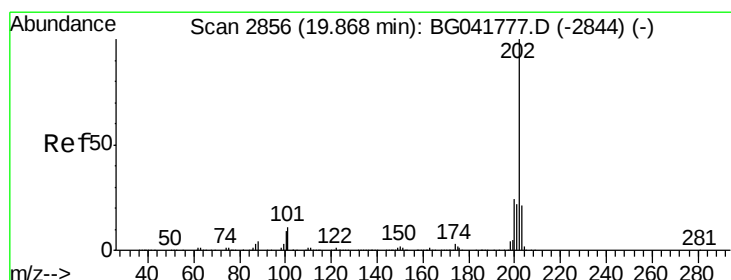
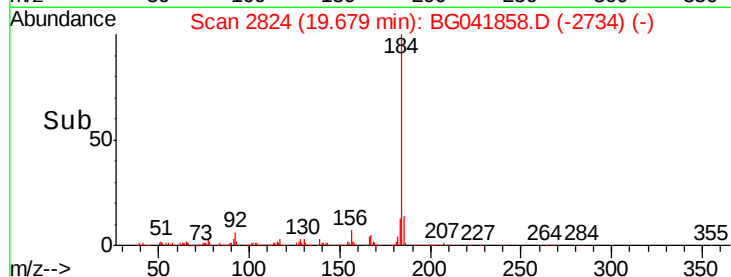
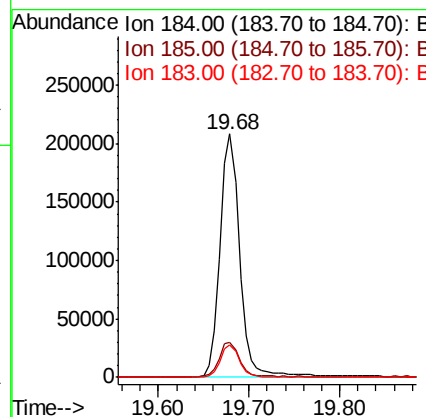
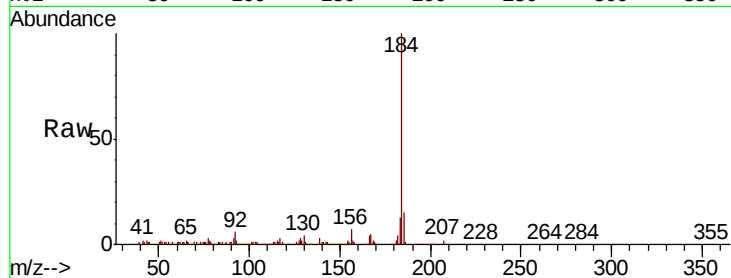
ClientSampleId :

OK-01-072919MSD

Tot Ion:	184	Resp:	316143
Ion Ratio	Lower	Upper	
184	100		
185	14.5	13.0	19.4
183	13.5	11.8	17.6

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#78

Pyrene

Concen: 48.227 ng

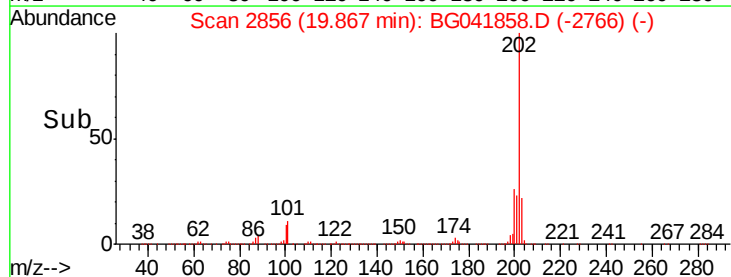
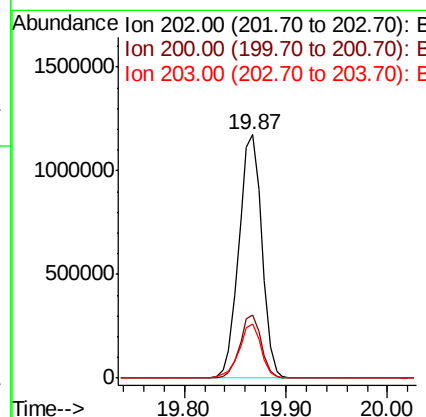
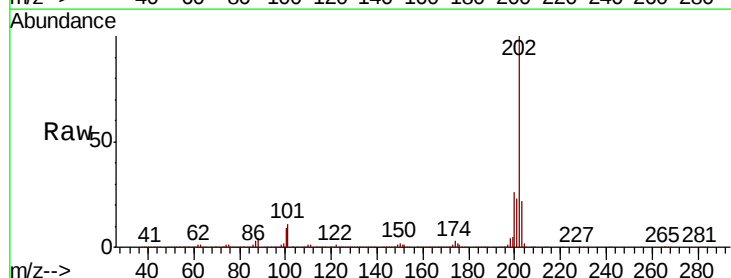
RT: 19.87 min Scan# 2856

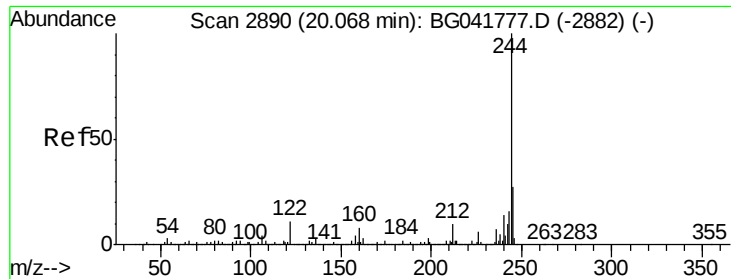
Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion:	202	Resp:	1840674
Ion Ratio	Lower	Upper	
202	100		
200	25.8	22.2	33.2
203	22.3	18.9	28.3





#79

Terphenyl-d14

Concen: 89.394 ng

RT: 20.07 min Scan# 2890

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:244 Resp: 2516584

Ion Ratio Lower Upper

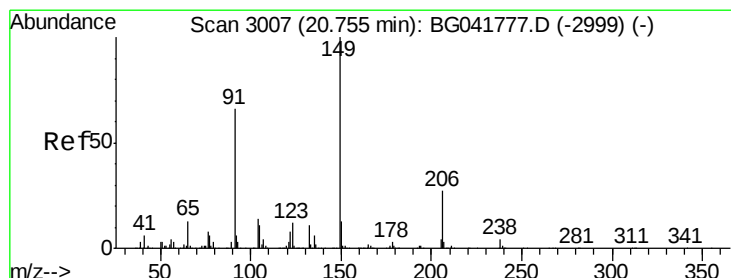
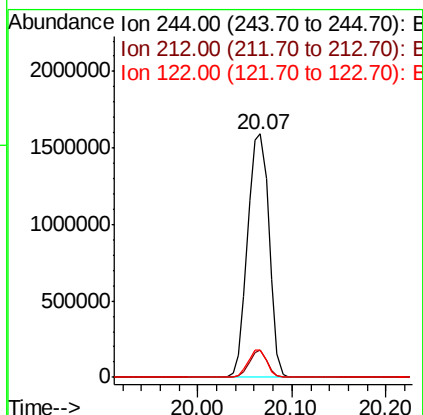
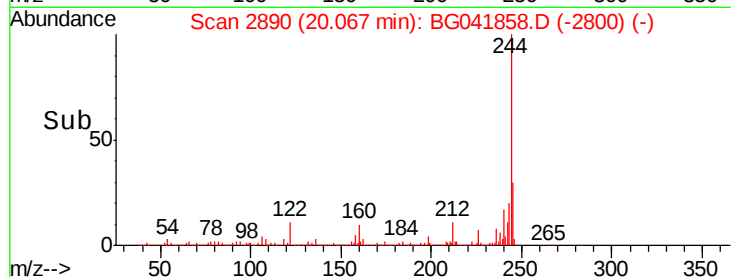
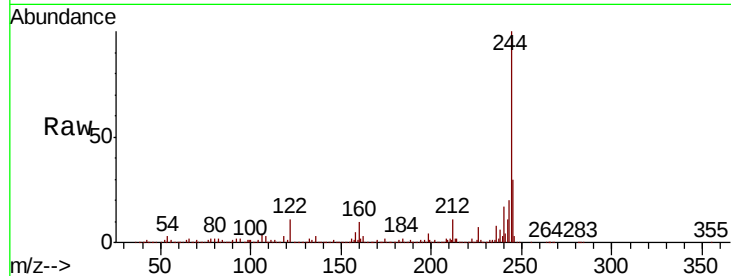
244 100

212 11.2 9.7 14.5

122 11.5 12.5 18.7#

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#80

Butylbenzylphthalate

Concen: 51.231 ng

RT: 20.75 min Scan# 3007

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

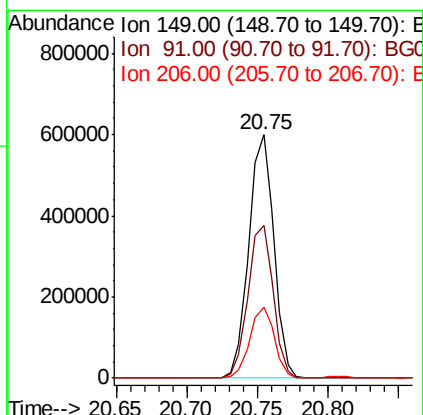
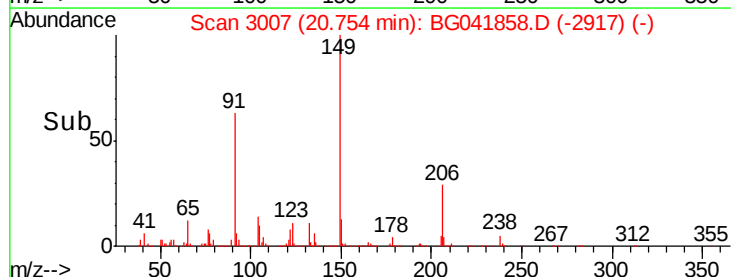
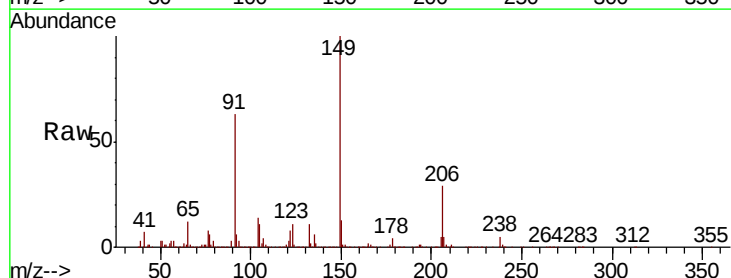
Tgt Ion:149 Resp: 749681

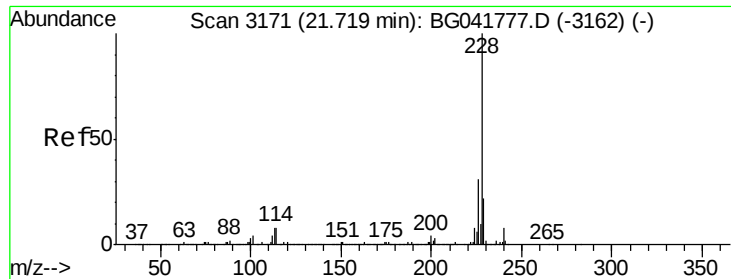
Ion Ratio Lower Upper

149 100

91 62.9 58.9 88.3

206 29.3 20.8 31.2





#81

Benzo(a)anthracene

Concen: 48.768 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:228 Resp: 1858685

Ion Ratio Lower Upper

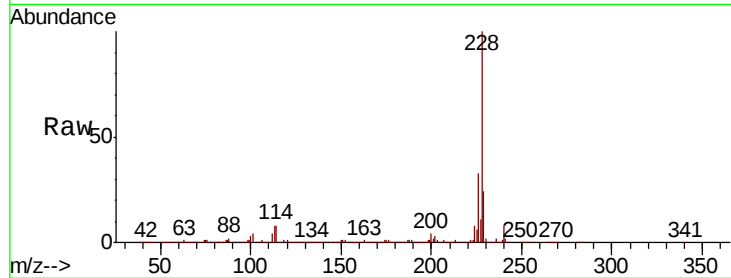
228 100

226 32.7 27.3 40.9

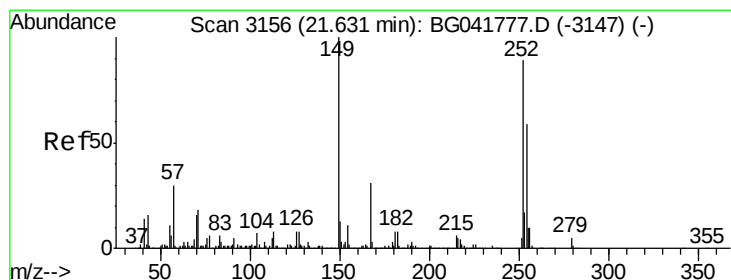
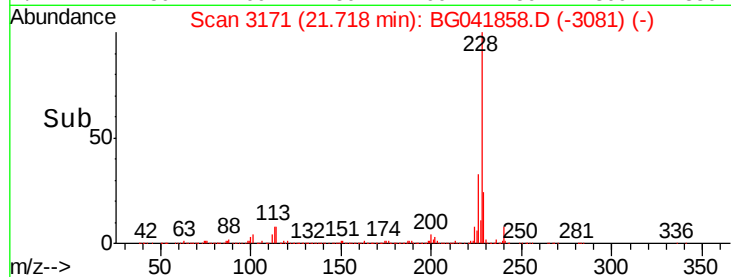
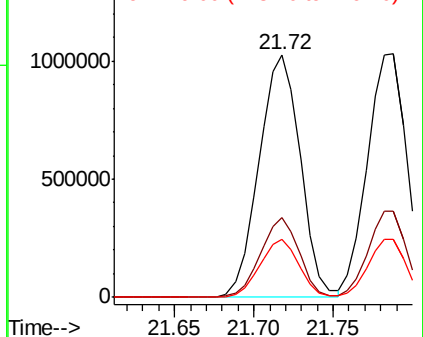
229 23.6 19.7 29.5

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



#82

3,3'-Dichlorobenzidine

Concen: 21.887 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

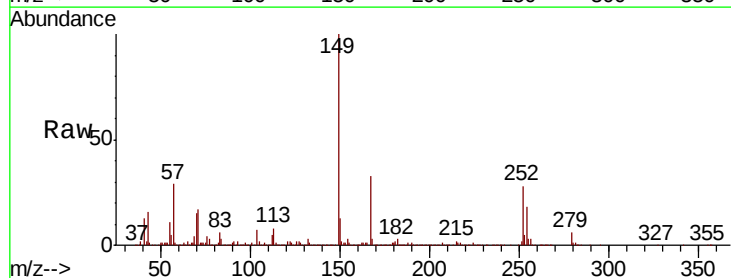
Tgt Ion:252 Resp: 334918

Ion Ratio Lower Upper

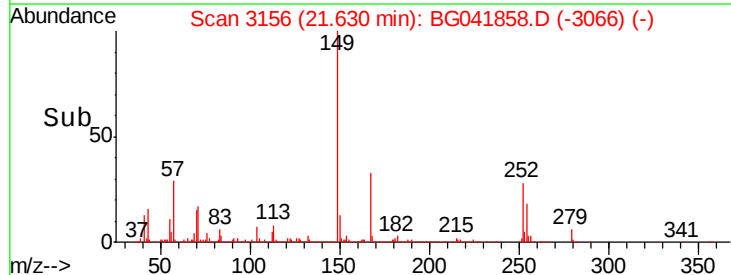
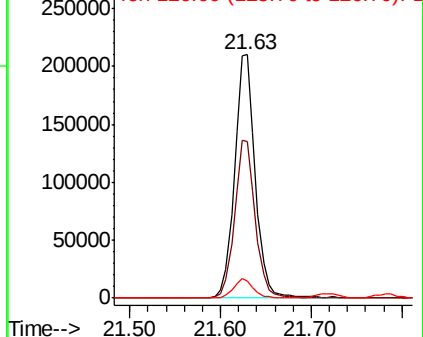
252 100

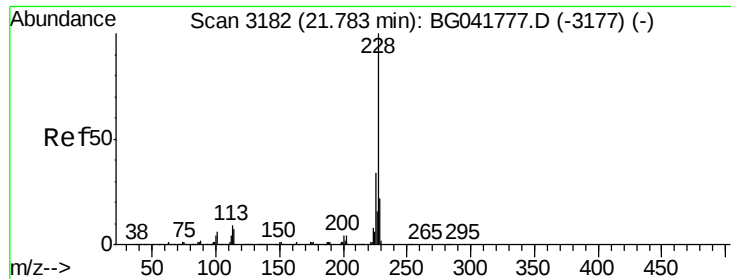
254 64.5 53.8 80.6

126 6.8 7.8 11.8#



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





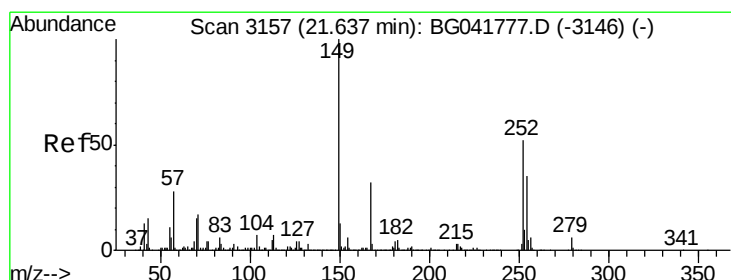
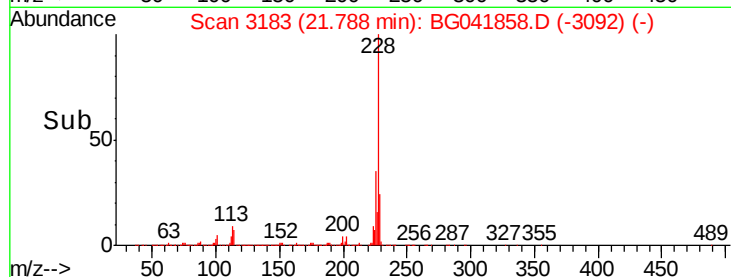
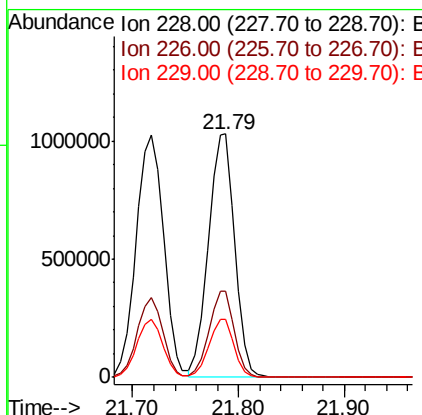
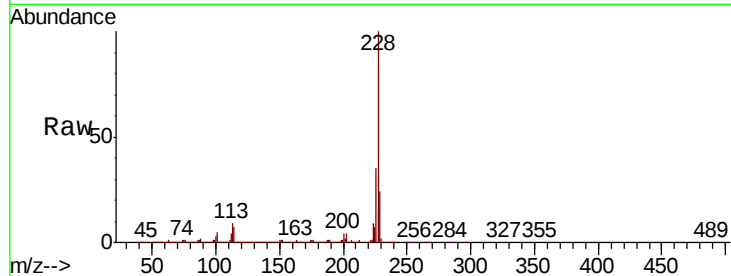
#83
 Chrvsene
 Concen: 48.948 ng
 RT: 21.79 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	30.1	45.1
229	23.9	19.8	29.6

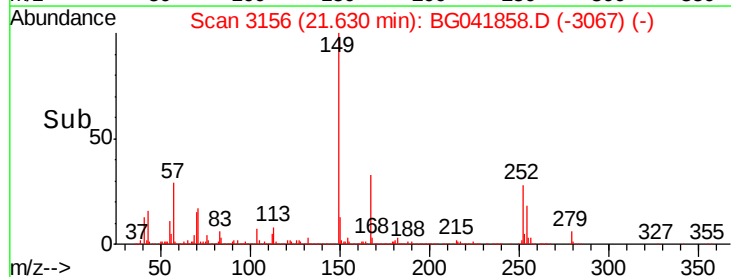
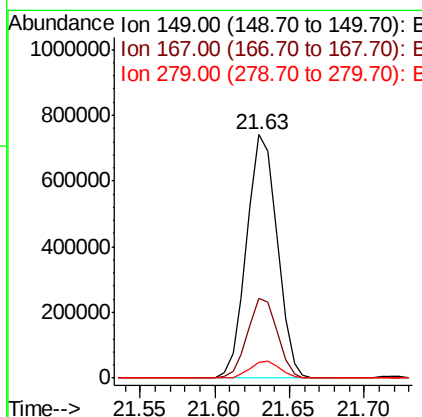
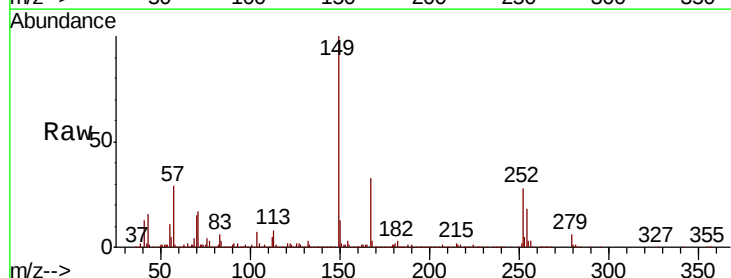
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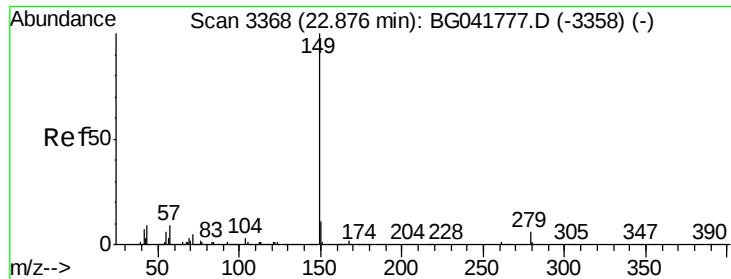
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 51.749 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.6	27.0	40.4
279	6.5	5.0	7.6





#85

Di-n-octyl phthalate

Concen: 52.269 ng

RT: 22.87 min Scan# 3367

Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

ClientSampleId :

OK-01-072919MSD

Tot Ion:149 Resp: 1775620

Ion Ratio Lower Upper

149 100

167 2.0 1.6 2.4

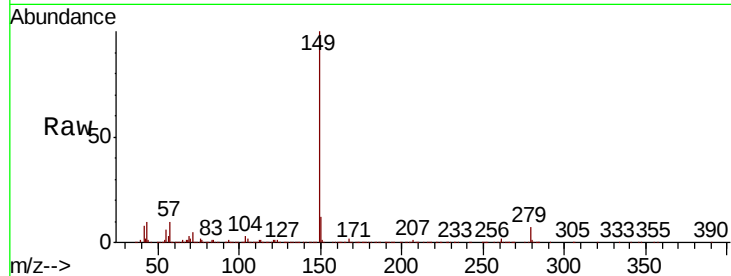
43 9.4 10.6 16.0#

Manual Integrations

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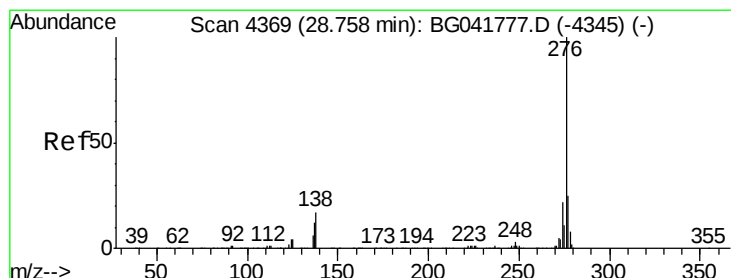
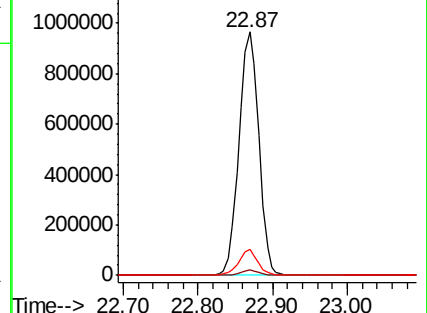
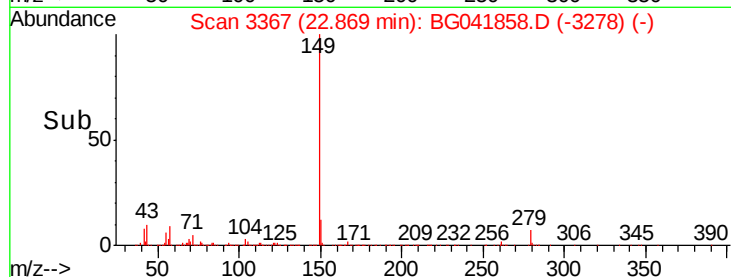
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.702 ng

RT: 28.76 min Scan# 4370

Delta R.T. 0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

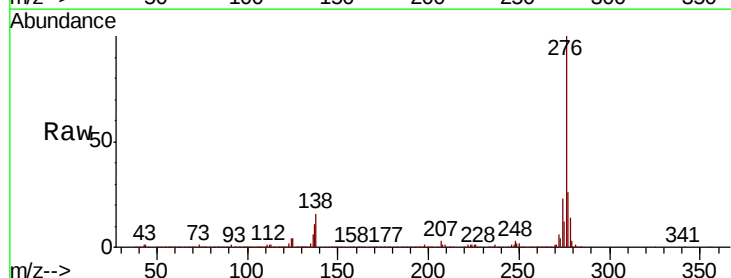
Tgt Ion:276 Resp: 2452056

Ion Ratio Lower Upper

276 100

138 18.5 19.4 29.0#

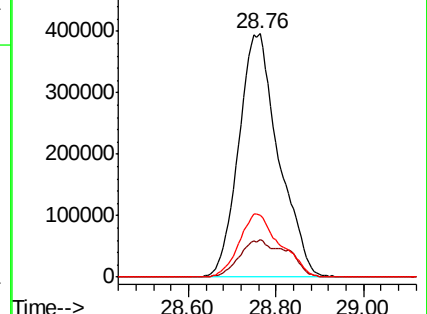
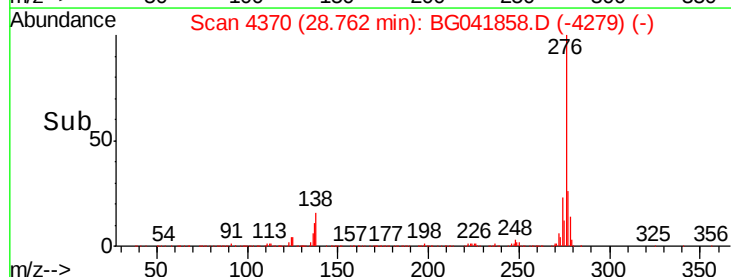
277 26.8 21.2 31.8

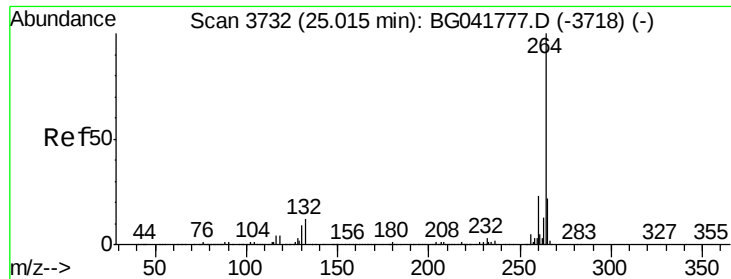


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





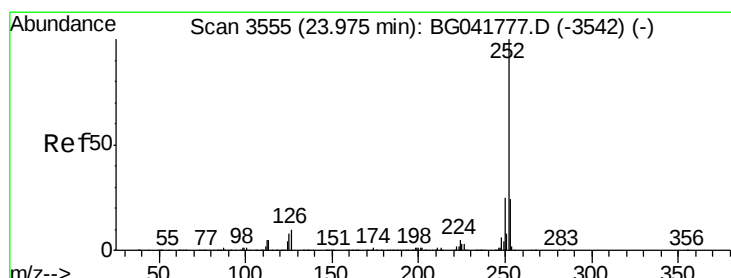
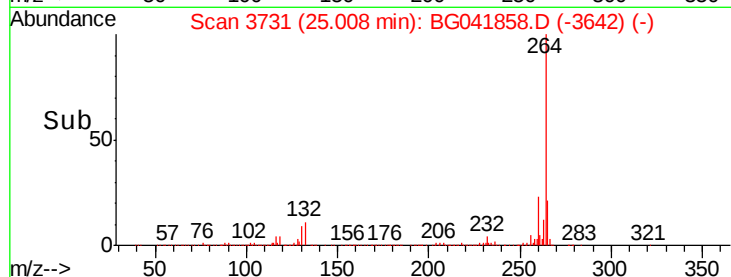
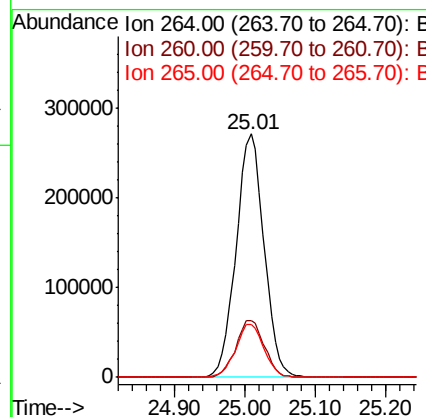
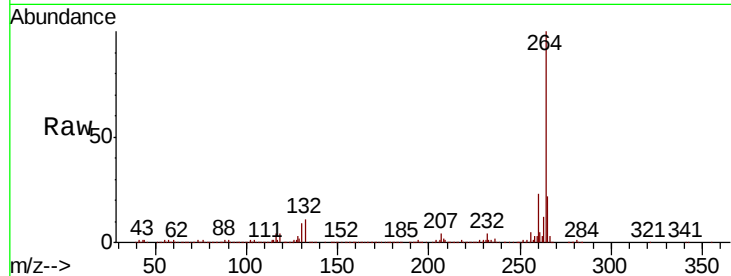
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.01 min Scan# 3731
 Delta R.T. -0.01 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.7	18.0	27.0

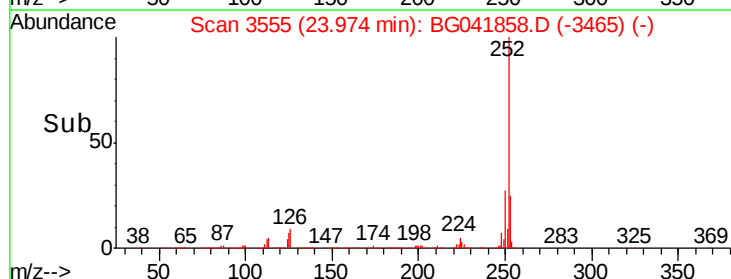
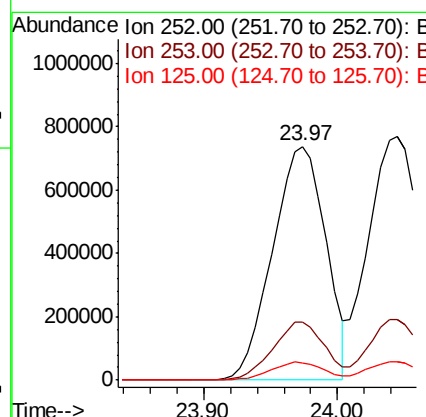
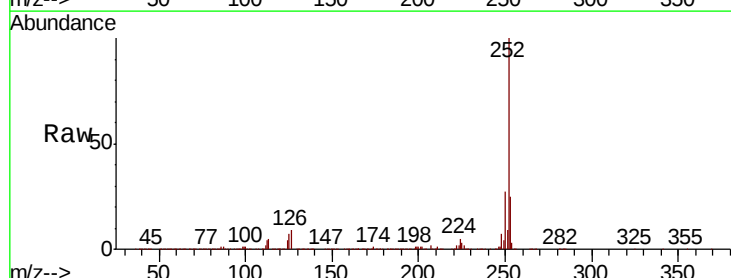
Manual Integrations
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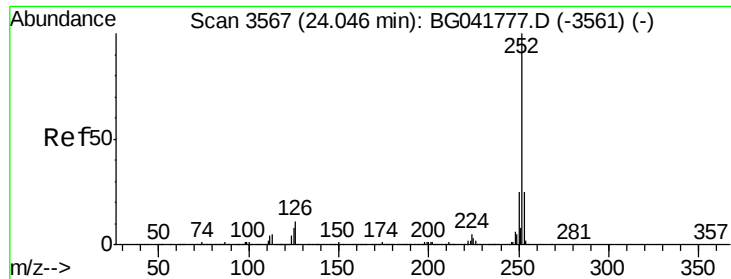
mohammad
 8/5/2019 1:47:22 PM



#88
 Benzo(b)fluoranthene
 Concen: 50.078 ng
 RT: 23.97 min Scan# 3555
 Delta R.T. -0.00 min
 Lab File: BG041858.D
 Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.6	30.8
125	7.5	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 51.411 ng

RT: 24.04 min Scan# 3567

Delta R.T. -0.00 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Instrument :

BNA_G

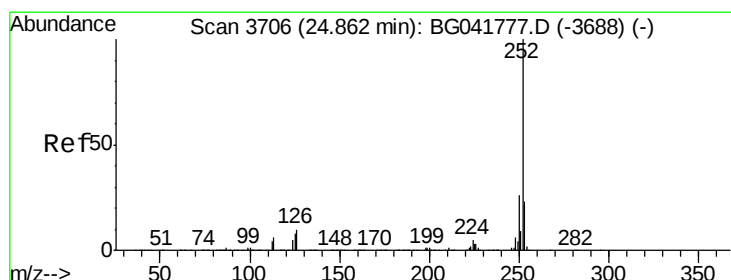
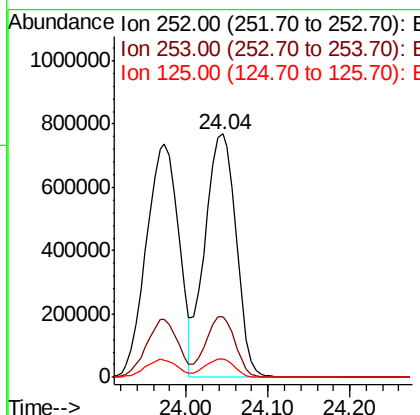
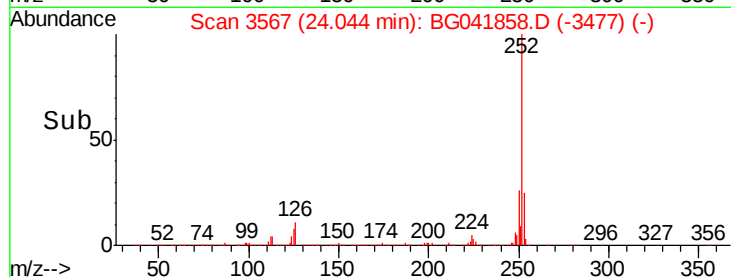
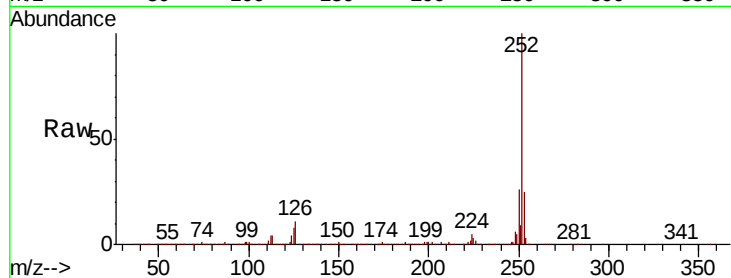
ClientSampleId :

OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.5	30.7
125	7.7	8.4	12.6

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 52.218 ng

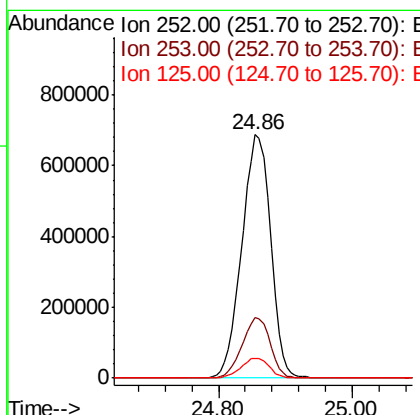
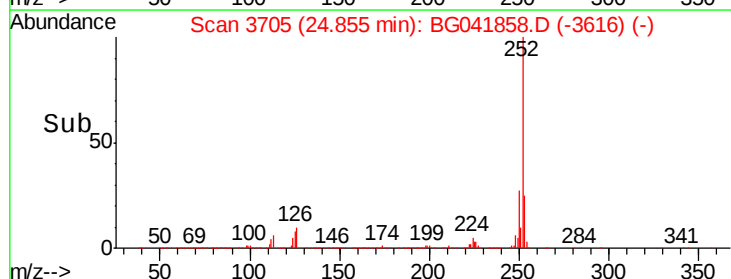
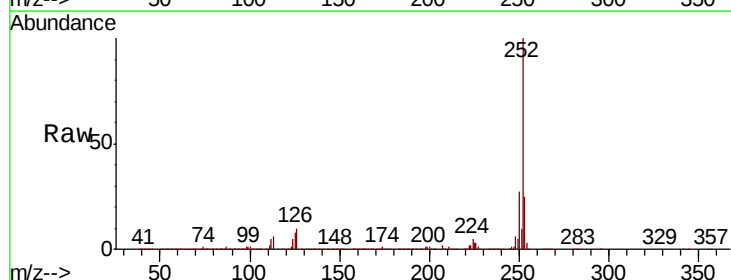
RT: 24.86 min Scan# 3705

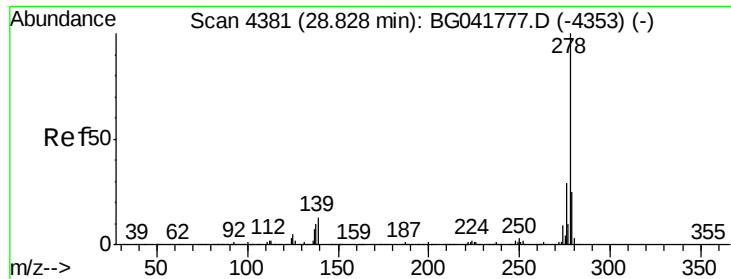
Delta R.T. -0.01 min

Lab File: BG041858.D

Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.8	29.8
125	8.1	8.8	13.2





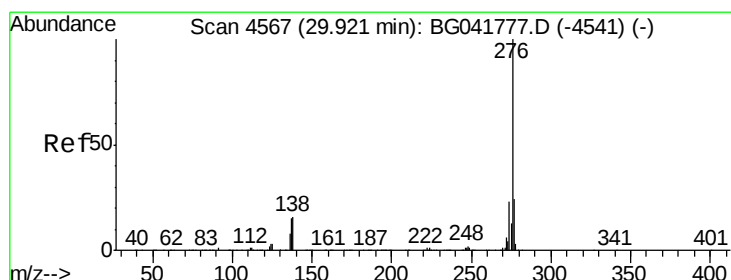
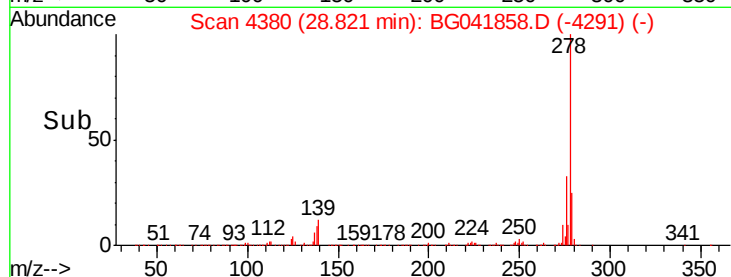
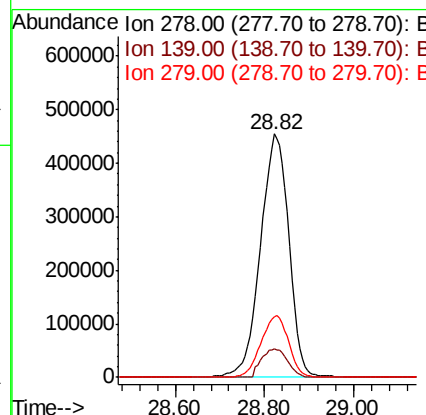
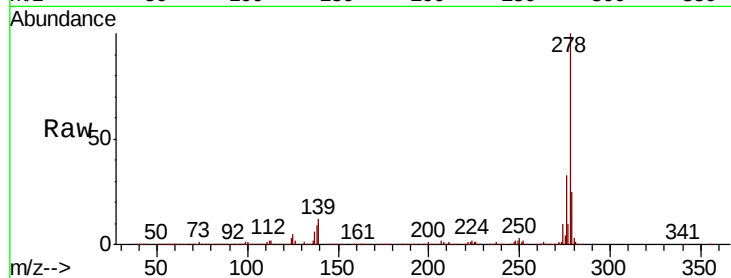
#91
Dibenzo(a,h)anthracene
Concen: 52.147 ng
RT: 28.82 min Scan# 4380
Delta R.T. -0.01 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Instrument :
BNA_G
ClientSampleId :
OK-01-072919MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.9	12.6	19.0#
279	25.0	20.5	30.7

Manual Integrations
APPROVED

mohammad
8/5/2019 1:47:22 PM



#92
Benzo(g,h,i)perylene
Concen: 53.122 ng
RT: 29.92 min Scan# 4567
Delta R.T. -0.00 min
Lab File: BG041858.D
Acq: 1 Aug 2019 11:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.8	29.8
138	16.5	16.6	25.0#

