

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044844.D
 Acq On : 17 Mar 2020 22:29
 Operator : CG/JU
 Sample : L1922-01MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-2MS

Manual Integrations
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 3/18/2020 4:00:22 PM

Quant Time: Mar 18 02:37:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	79409	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	310585	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	218733	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	538293	20.00	ng	0.00
76) Chrysene-d12	21.70	240	453374	20.00	ng	0.00
87) Perylene-d12	24.90	264	520609	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	599155	117.46	ng	0.00
7) Phenol-d6	7.20	99	786763	106.15	ng	0.00
23) Nitrobenzene-d5	9.21	82	603791	85.31	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	442866	154.63	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1284415	84.09	ng	0.00
79) Terphenyl-d14	20.03	244	2228561	91.95	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	79089	32.196	ng	# 42
3) Pyridine	3.92	79	194876	26.798	ng	96
4) n-Nitrosodimethylamine	3.82	42	110747	40.138	ng	87
6) Aniline	7.37	93	120944	13.114	ng	99
8) 2-Chlorophenol	7.61	128	254493	49.977	ng	96
9) Benzaldehyde	7.18	77	194830	44.572	ng	100
10) Phenol	7.23	94	299012	40.750	ng	98
11) bis(2-Chloroethyl)ether	7.46	93	251529	42.952	ng	99
12) 1,3-Dichlorobenzene	7.94	146	265088	42.259	ng	93
13) 1,4-Dichlorobenzene	8.08	146	269556	43.466	ng	98
14) 1,2-Dichlorobenzene	8.40	146	252300	42.897	ng	96
15) Benzyl Alcohol	8.28	79	274135	46.099	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.58	45	367650	35.575	ng	99
17) 2-Methylphenol	8.49	107	230471	46.369	ng	98
18) Hexachloroethane	9.14	117	105726	43.303	ng	96
19) n-Nitroso-di-n-propylamine	8.85	70	219932	42.025	ng	97
20) 3+4-Methylphenols	8.81	107	313653	45.777	ng	98
22) Acetophenone	8.86	105	392432	44.600	ng	# 98
24) Nitrobenzene	9.25	77	326904	44.513	ng	99
25) Isophorone	9.78	82	622177	45.040	ng	98
26) 2-Nitrophenol	9.96	139	142298	54.914	ng	99
27) 2,4-Dimethylphenol	10.02	122	239027	53.135	ng	97
28) bis(2-Chloroethoxy)methane	10.26	93	345818	41.949	ng	99
29) 2,4-Dichlorophenol	10.50	162	266104	50.645	ng	96
30) 1,2,4-Trichlorobenzene	10.72	180	283509	45.126	ng	95
31) Naphthalene	10.90	128	784568	45.601	ng	98
32) Benzoic acid	10.16	122	141892	42.002	ng	98
33) 4-Chloroaniline	11.01	127	22072	2.847	ng	# 93
34) Hexachlorobutadiene	11.20	225	183193	44.339	ng	96
35) Caprolactam	11.77	113	78835m	39.628	ng	
36) 4-Chloro-3-methylphenol	12.13	107	320313	51.114	ng	98
37) 2-Methylnaphthalene	12.51	142	597893	46.457	ng	96
38) 1-Methylnaphthalene	12.73	142	570749	47.172	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.88	216	319738	44.386	ng	99

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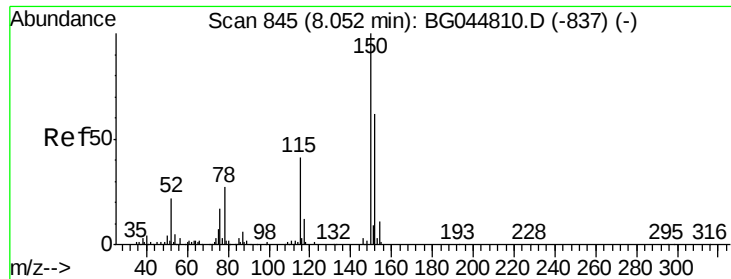
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.87	237	365777	92.913	nq	95
43) 2,4,6-Trichlorophenol	13.11	196	242421	50.709	nq	97
44) 2,4,5-Trichlorophenol	13.18	196	261290	52.703	nq	94
46) 1,1'-Biphenyl	13.52	154	766268	43.838	nq	98
47) 2-Chloronaphthalene	13.55	162	589218	44.127	nq	98
48) 2-Nitroaniline	13.75	65	223192	47.744	nq	97
49) Acenaphthylene	14.40	152	995418	47.584	nq	98
50) Dimethylphthalate	14.14	163	904281	51.907	nq	98
51) 2,6-Dinitrotoluene	14.25	165	184641	52.581	nq	94
52) Acenaphthene	14.75	154	715319	52.213	nq	99
53) 3-Nitroaniline	14.57	138	40978	10.150	nq	86
54) 2,4-Dinitrophenol	14.78	184	175383	93.957	nq	# 89
55) Dibenzofuran	15.08	168	952081	47.923	nq	98
56) 4-Nitrophenol	14.88	139	310970	100.927	nq	97
57) 2,4-Dinitrotoluene	15.03	165	269076	55.871	nq	99
58) Fluorene	15.73	166	798106	48.835	nq	97
59) 2,3,4,6-Tetrachlorophenol	15.30	232	260104	56.984	nq	96
60) Diethylphthalate	15.50	149	865783	47.649	nq	99
61) 4-Chlorophenyl-phenylether	15.72	204	427334	48.561	nq	100
62) 4-Nitroaniline	15.73	138	181765	42.222	nq	97
63) Azobenzene	16.02	77	859921	45.574	nq	99
65) 4,6-Dinitro-2-methylphenol	15.80	198	139754	54.016	nq	98
66) n-Nitrosodiphenylamine	15.93	169	735504	45.384	nq	99
67) 4-Bromophenyl-phenylether	16.61	248	302404	44.938	nq	99
68) Hexachlorobenzene	16.74	284	333405	45.667	nq	95
69) Atrazine	16.88	200	305953	51.528	nq	98
70) Pentachlorophenol	17.08	266	424828	105.759	nq	99
71) Phenanthrene	17.47	178	1346667	46.815	nq	98
72) Anthracene	17.56	178	1368111	48.233	nq	98
73) Carbazole	17.83	167	1280364	46.993	nq	97
74) Di-n-butylphthalate	18.39	149	1535317	46.355	nq	99
75) Fluoranthene	19.48	202	1609153	46.982	nq	98
77) Benzidine	19.65	184	309099	21.001	nq	97
78) Pyrene	19.83	202	1604953	48.251	nq	98
80) Butylbenzylphthalate	20.73	149	682040	46.091	nq	99
81) Benzo(a)anthracene	21.67	228	1556688	47.684	nq	100
82) 3,3'-Dichlorobenzidine	21.59	252	175040	13.859	nq	99
83) Chrysene	21.74	228	1469036	47.108	nq	98
84) Bis(2-ethylhexyl)phthalate	21.60	149	946456	46.343	nq	97
85) Di-n-octyl phthalate	22.81	149	1611158	47.144	nq	99
86) Indeno(1,2,3-cd)pyrene	28.57	276	1967778	48.131	nq	# 97
88) Benzo(b)fluoranthene	23.89	252	1647057	47.922	nq	99
89) Benzo(k)fluoranthene	23.96	252	1585849	48.758	nq	99
90) Benzo(a)pyrene	24.75	252	1506640	46.849	nq	98
91) Dibenzo(a,h)anthracene	28.63	278	1604340	50.566	nq	97
92) Benzo(g,h,i)perylene	29.70	276	1638605	51.119	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

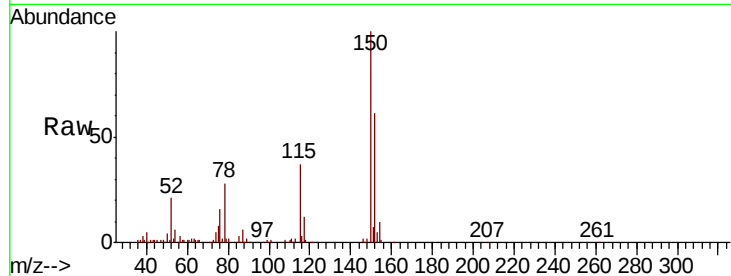
ClientSampled :

P-2MS

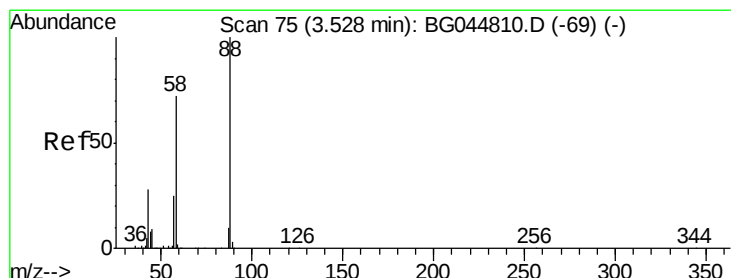
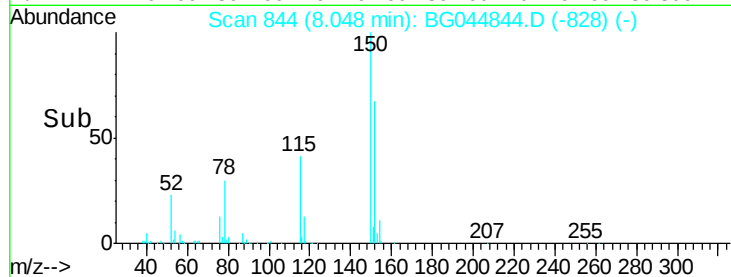
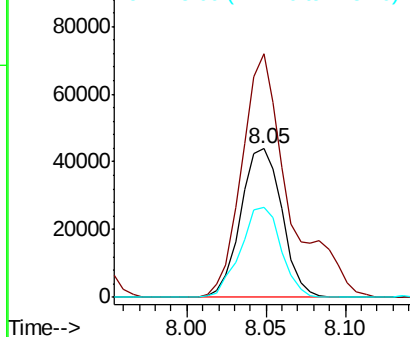
Tot Ion:	152	Resp:	79409
Ion Ratio	Lower	Upper	
152	100		
150	163.9	128.8	193.2
115	60.8	52.6	79.0

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



#2

1,4-Dioxane

Concen: 32.196 ng

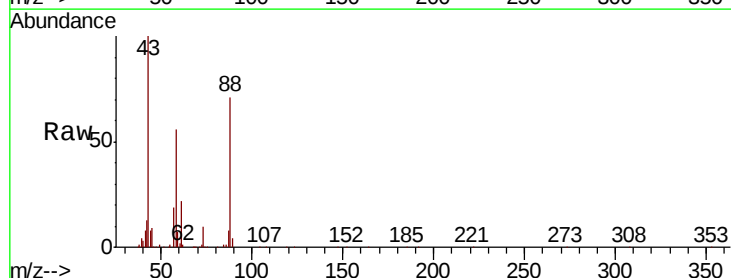
RT: 3.52 min Scan# 74

Delta R.T. -0.00 min

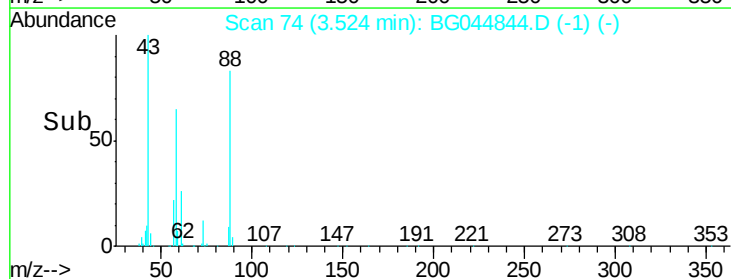
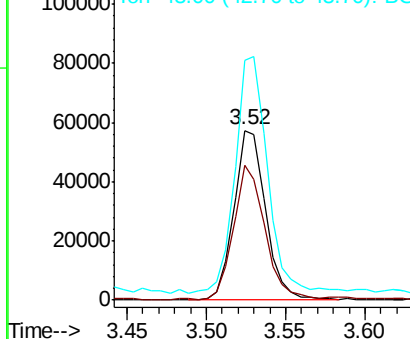
Lab File: BG044844.D

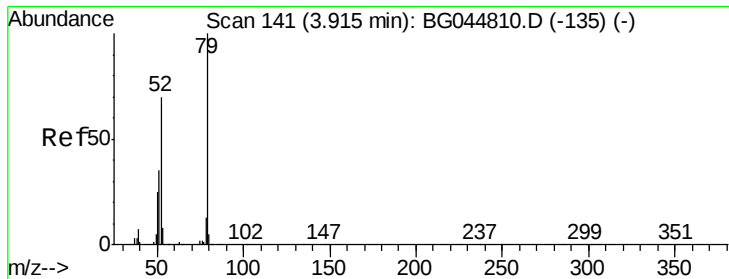
Acq: 17 Mar 2020 22:29

Tgt Ion:	88	Resp:	79089
Ion Ratio	Lower	Upper	
88	100		
58	78.8	63.0	94.4
43	143.1	24.8	37.2



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





#3

Pvridine

Concen: 26.798 ng

RT: 3.92 min Scan# 142

Delta R.T. 0.01 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

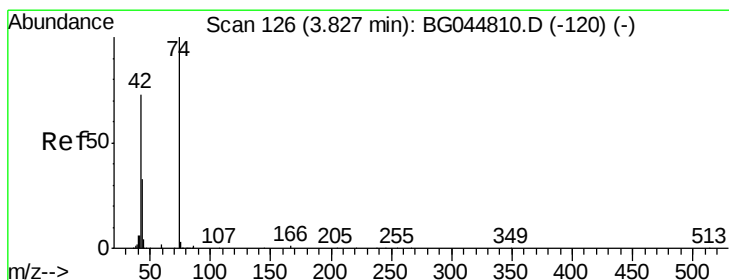
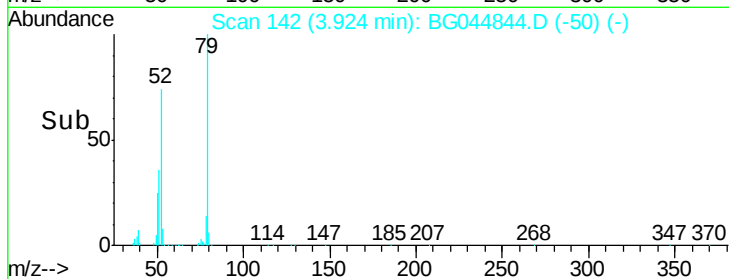
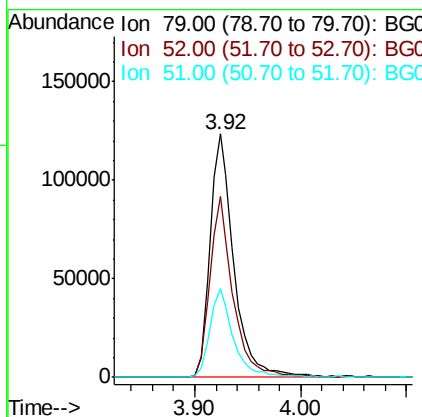
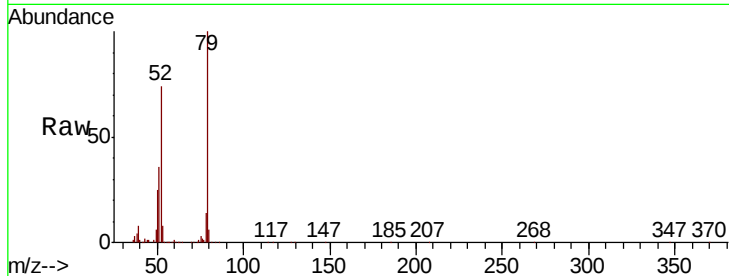
ClientSampleId :

P-2MS

Tot Ion:	79	Resp:	194876
Ion	Ratio	Lower	Upper
79	100		
52	74.3	56.3	84.5
51	36.4	28.1	42.1

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#4

n-Nitrosodimethylamine

Concen: 40.138 ng

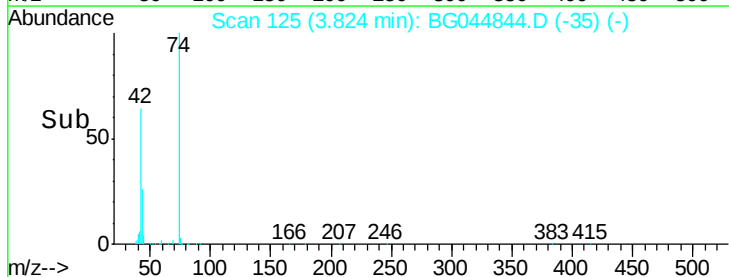
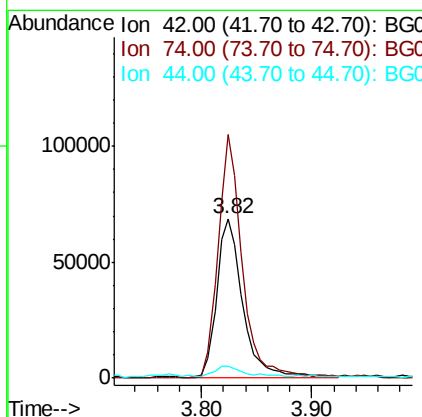
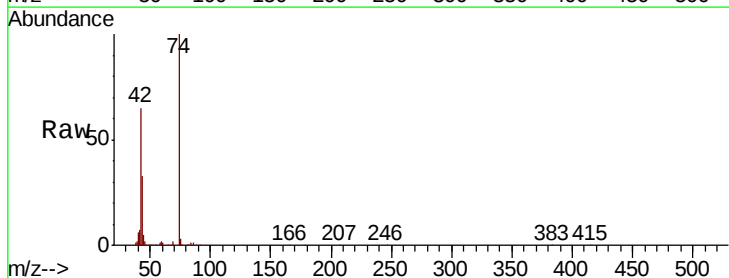
RT: 3.82 min Scan# 125

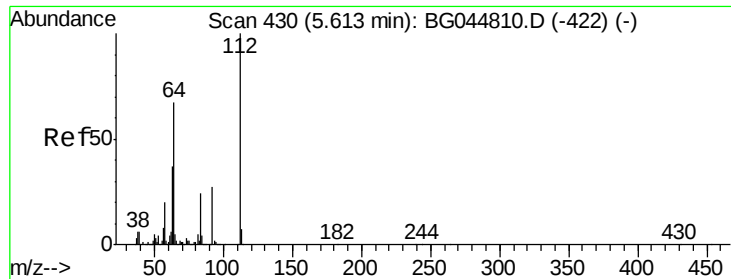
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	42	Resp:	110747
Ion	Ratio	Lower	Upper
42	100		
74	152.9	109.1	163.7
44	7.4	5.4	8.2





#5

2-Fluorophenol

Concen: 117.455 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

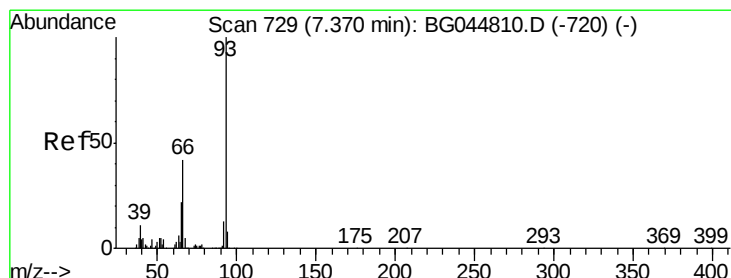
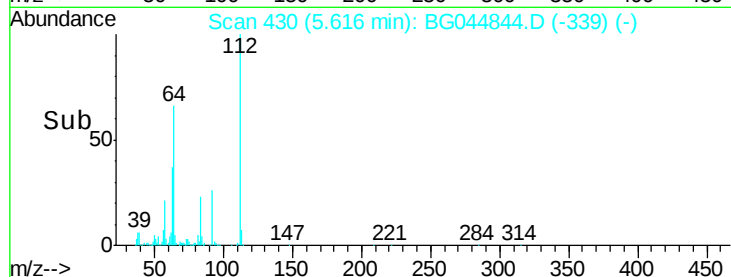
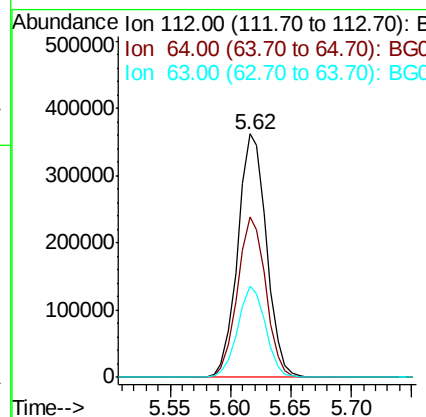
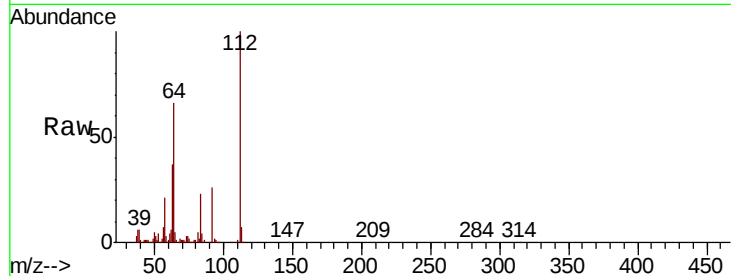
ClientSampleId :

P-2MS

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	65.7	53.4	80.2
63	37.4	29.4	44.2

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#6

Aniline

Concen: 13.114 ng

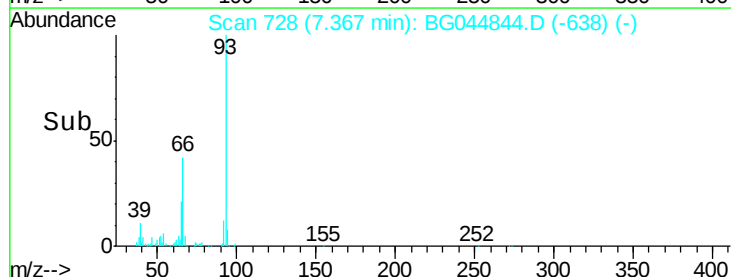
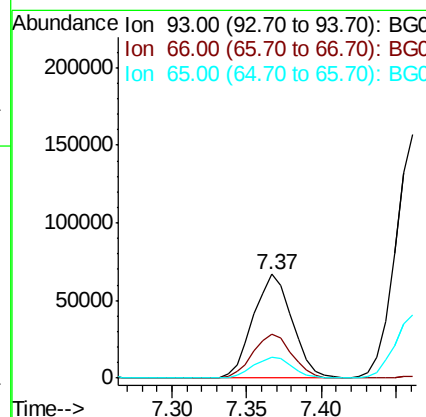
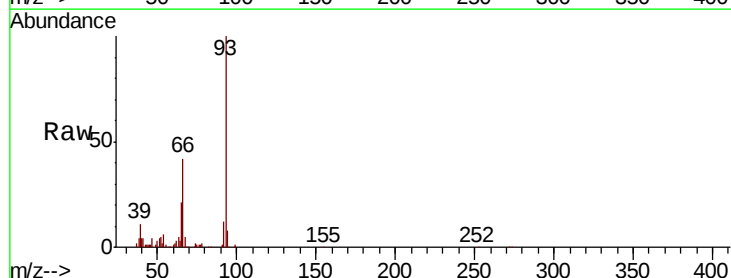
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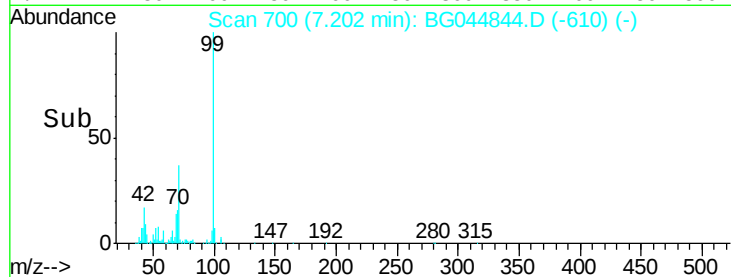
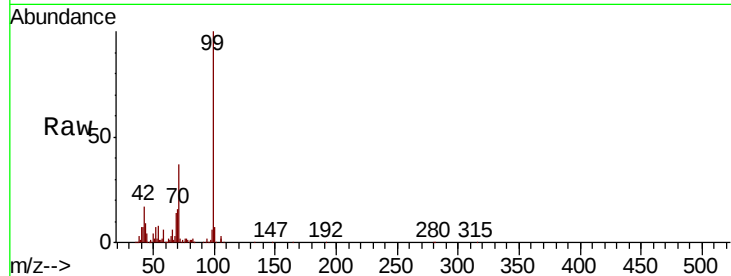
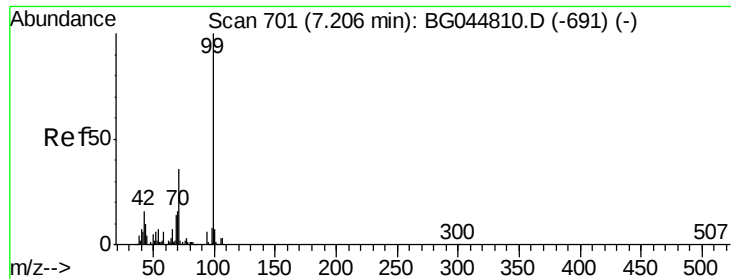
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	42.2	33.7	50.5
65	20.6	17.7	26.5





#7

Phenol-d6

Concen: 106.153 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		786763		
42	17.1	12.6	19.0		
71	36.9	29.0	43.4		

Instrument :

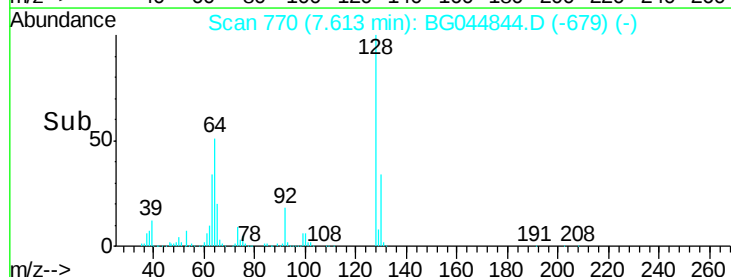
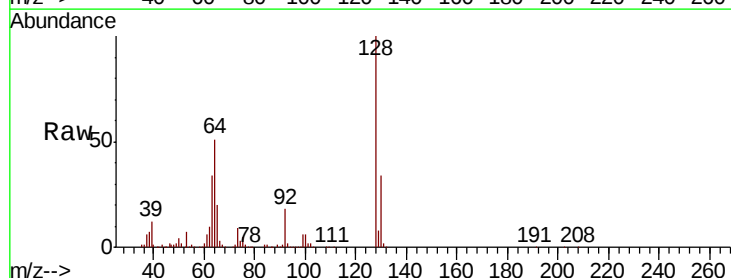
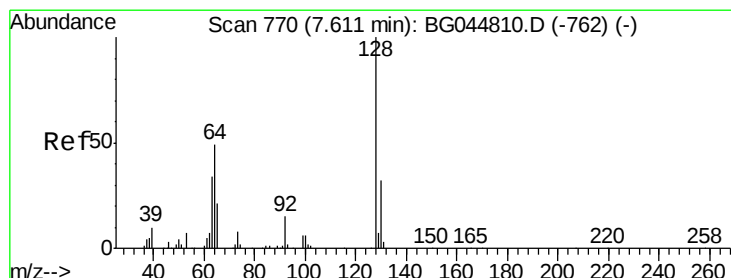
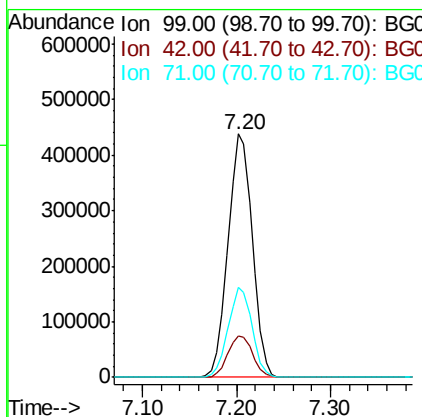
BNA_G

ClientSampled :

P-2MS

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#8

2-Chlorophenol

Concen: 49.977 ng

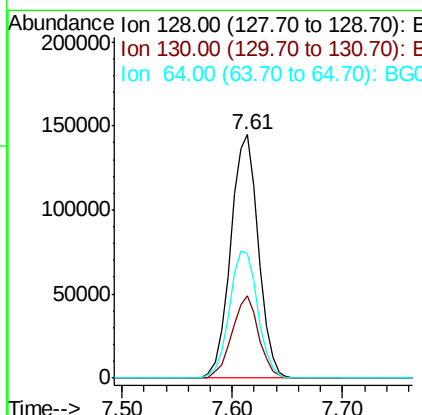
RT: 7.61 min Scan# 770

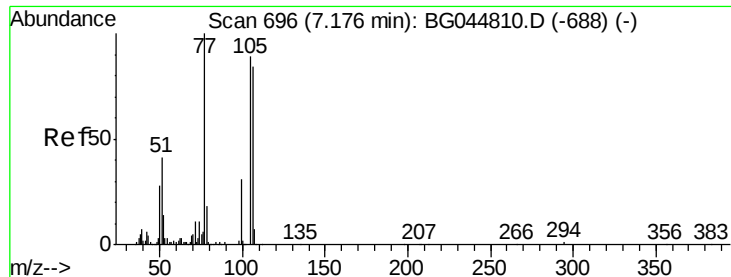
Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		254493		
130	33.9	11.6	51.6		
64	51.3	34.5	74.5		





#9

Benzaldehyde

Concen: 44.572 ng

RT: 7.18 min Scan# 696

Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

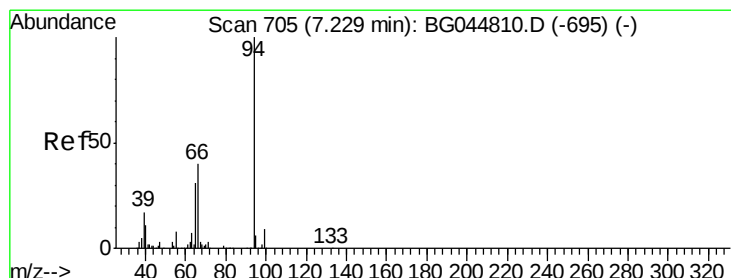
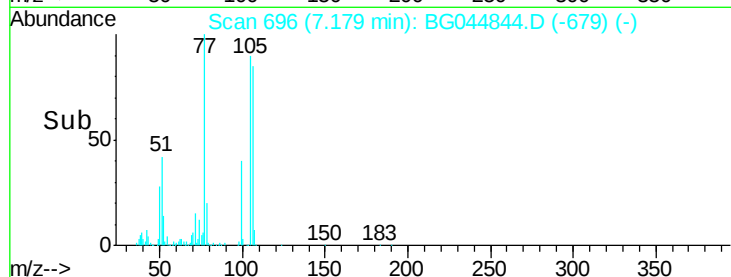
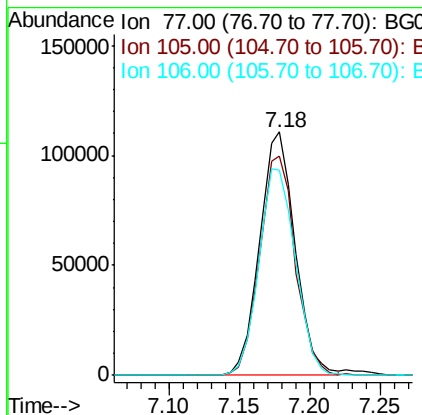
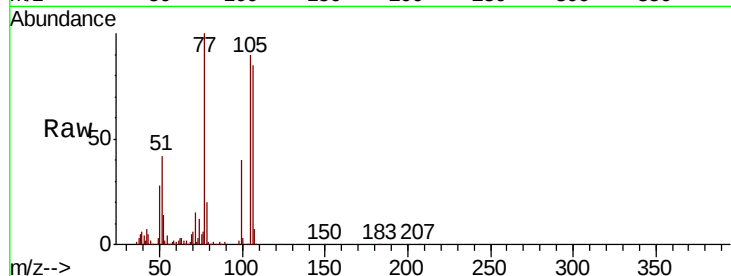
ClientSampleId :

P-2MS

Tot Ion:	77	Resp:	194830
Ion	Ratio	Lower	Upper
77	100		
105	89.8	69.3	109.3
106	84.5	64.5	104.5

Manual Integrations
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#10

Phenol

Concen: 40.750 ng

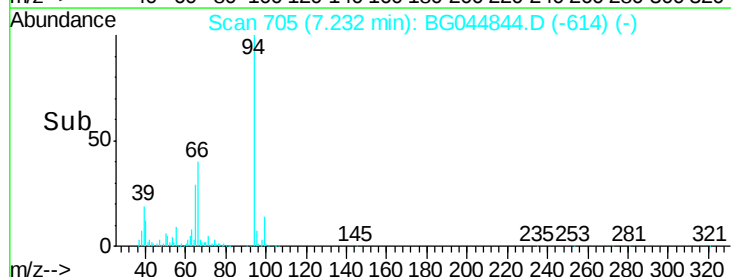
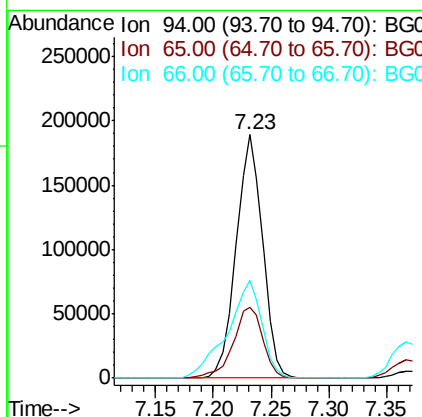
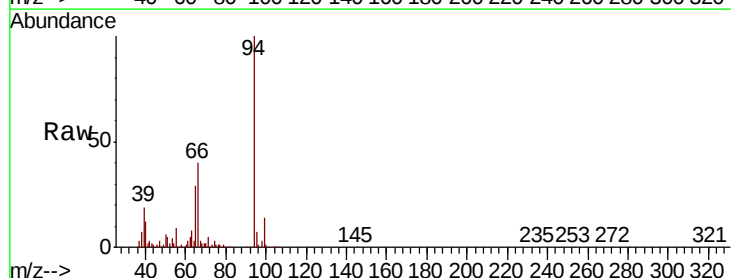
RT: 7.23 min Scan# 705

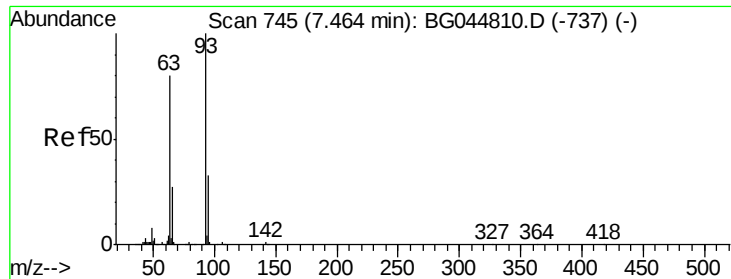
Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	94	Resp:	299012
Ion	Ratio	Lower	Upper
94	100		
65	29.1	11.0	51.0
66	40.2	20.1	60.1





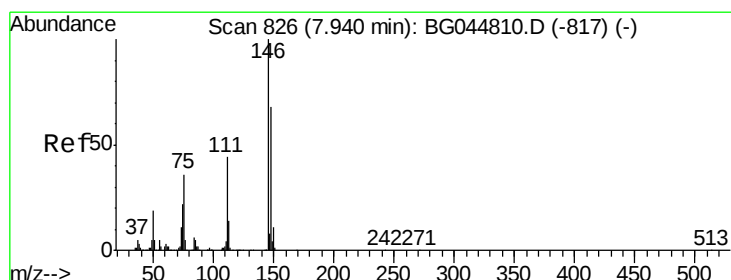
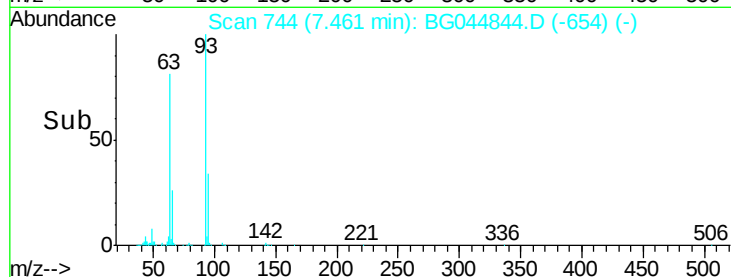
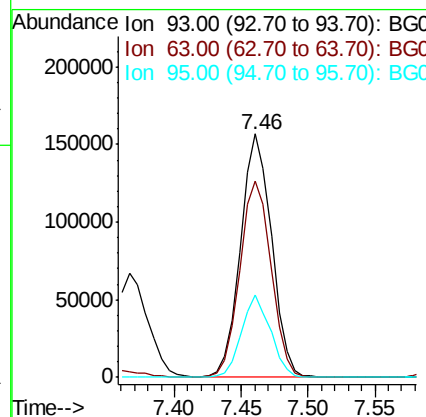
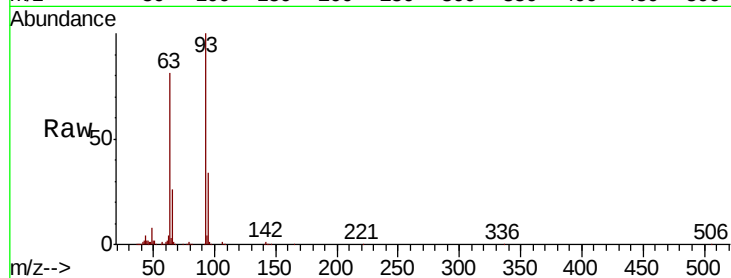
#11
bis(2-Chloroethyl)ether
Concen: 42.952 ng
RT: 7.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	80.7	59.7	99.7
95	33.9	13.1	53.1

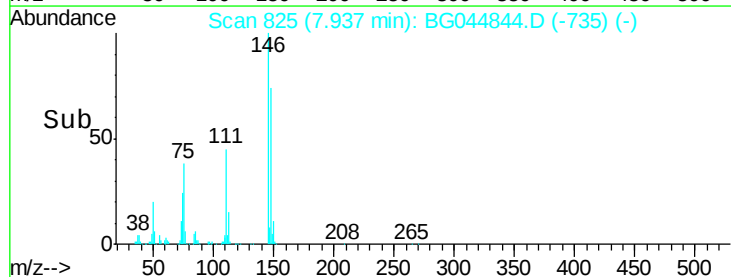
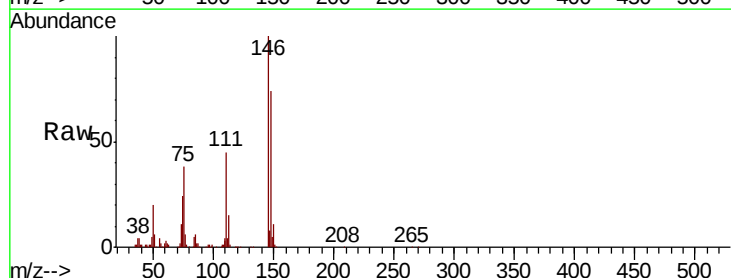
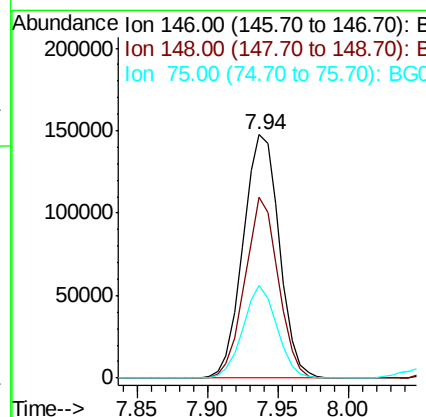
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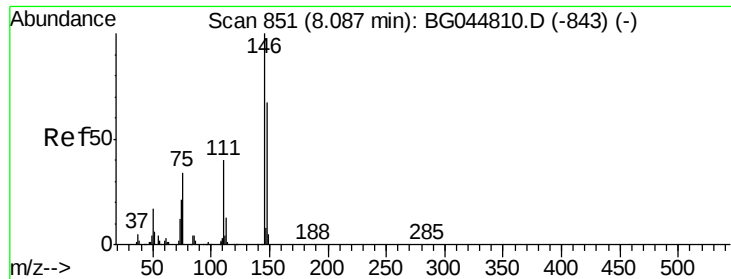
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.259 ng
RT: 7.94 min Scan# 825
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	74.3	54.2	81.4
75	38.2	28.6	42.8





#13

1,4-Dichlorobenzene

Concen: 43.466 ng

RT: 8.08 min Scan# 850

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

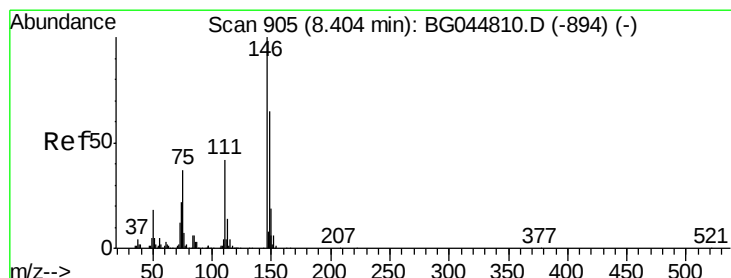
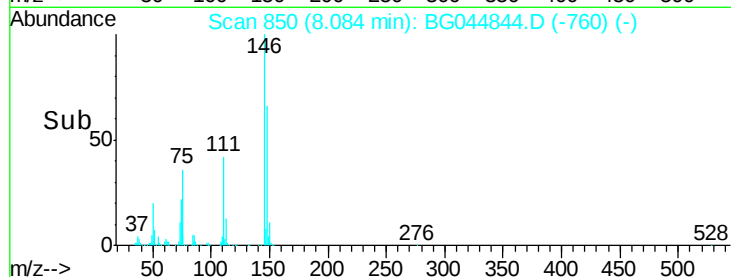
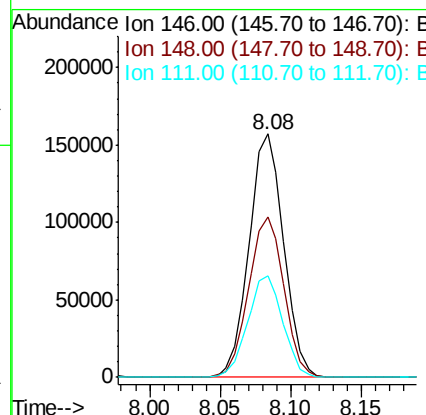
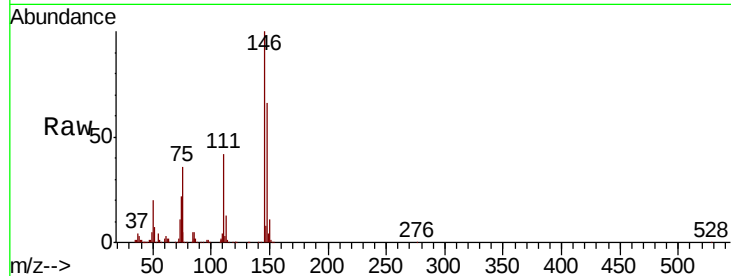
ClientSampleId :

P-2MS

Tot Ion:	146	Resp:	269556
Ion Ratio	Lower	Upper	
146	100		
148	65.7	53.8	80.6
111	41.6	32.0	48.0

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#14

1,2-Dichlorobenzene

Concen: 42.897 ng

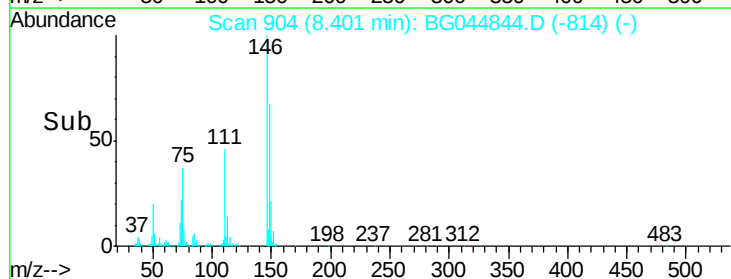
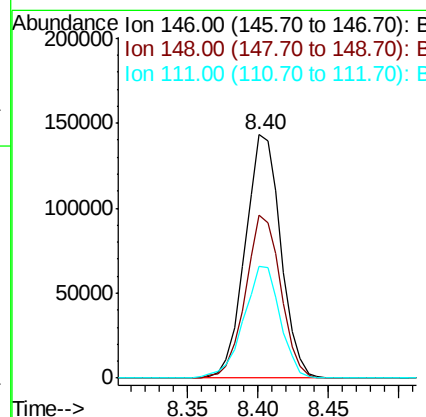
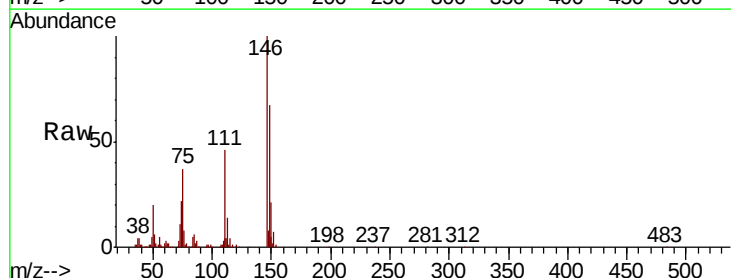
RT: 8.40 min Scan# 904

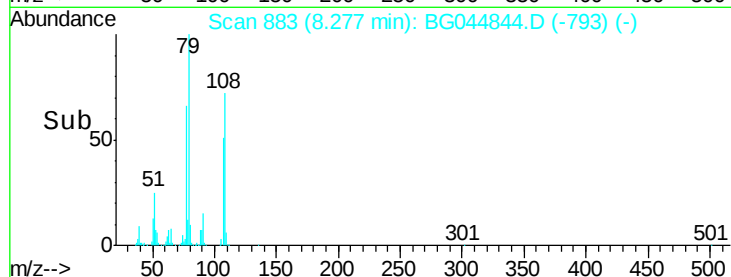
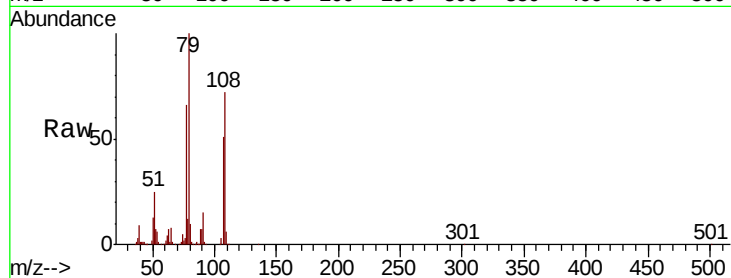
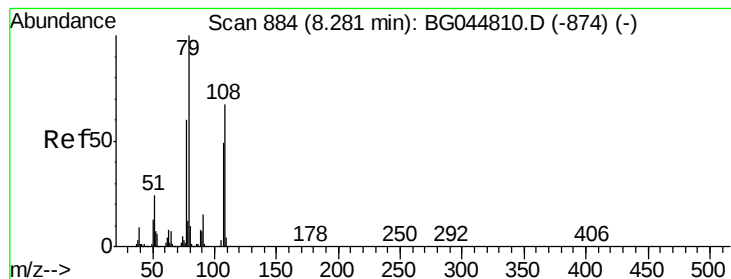
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	146	Resp:	252300
Ion Ratio	Lower	Upper	
146	100		
148	67.0	52.1	78.1
111	45.8	33.4	50.2





#15

Benzyl Alcohol

Concen: 46.099 ng

RT: 8.28 min Scan# 883

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tot Ion:	79	Resp:	274135
Ion	Ratio	Lower	Upper
79	100		
108	71.7	53.8	80.8
77	65.6	47.8	71.8

Instrument :

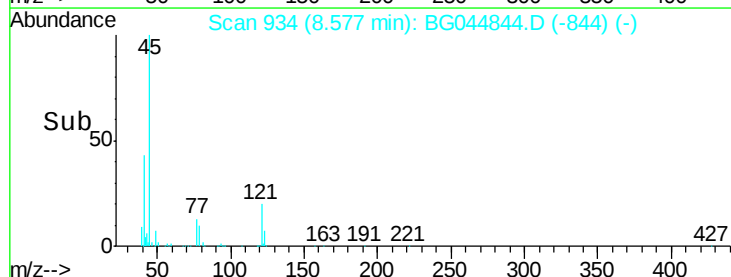
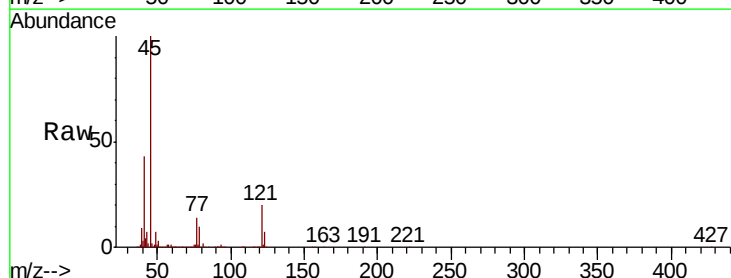
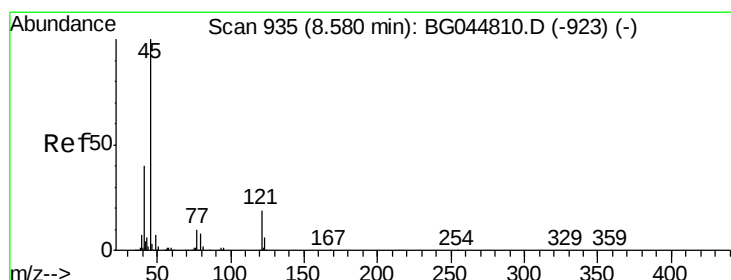
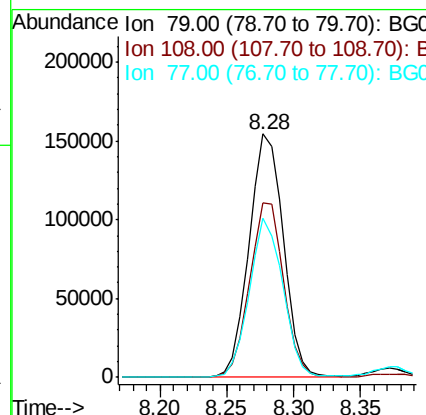
BNA_G

ClientSampleId :

P-2MS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.575 ng

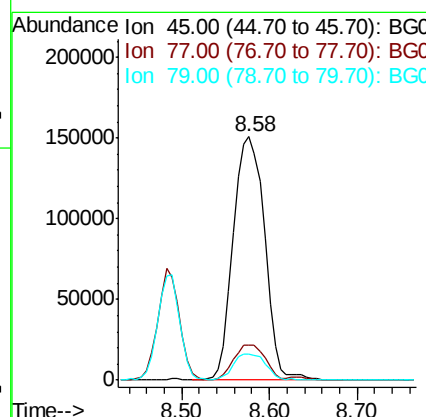
RT: 8.58 min Scan# 934

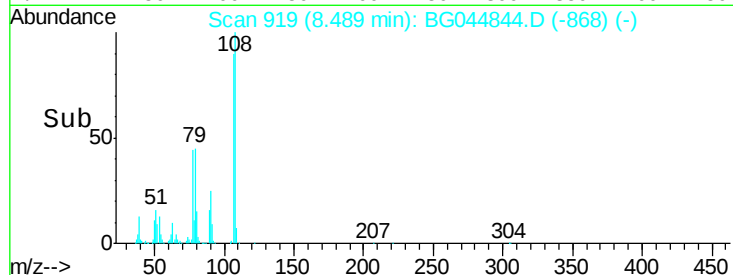
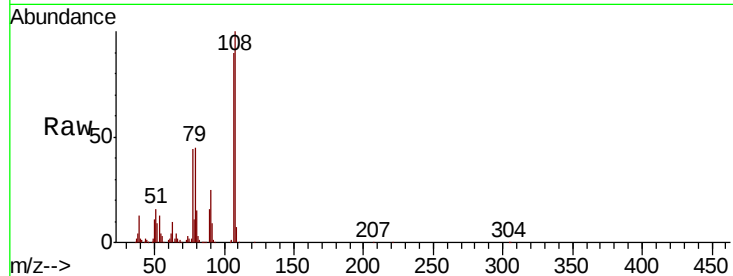
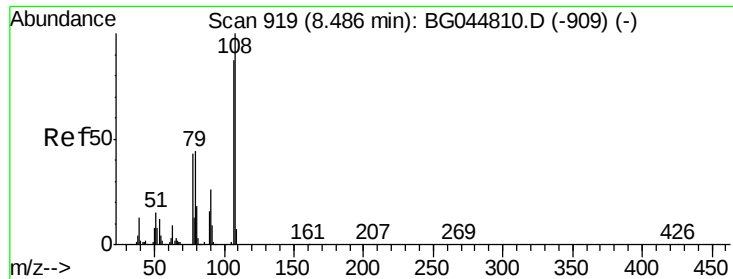
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	45	Resp:	367650
Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	33.9
79	10.5	0.0	30.8





#17

2-Methylphenol

Concen: 46.369 ng

RT: 8.49 min Scan# 919

Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.1	91.8	137.8	
77	48.7	40.0	60.0	
79	49.8	40.2	60.2	

Instrument :

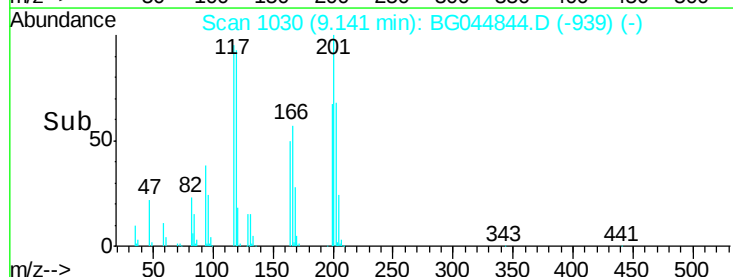
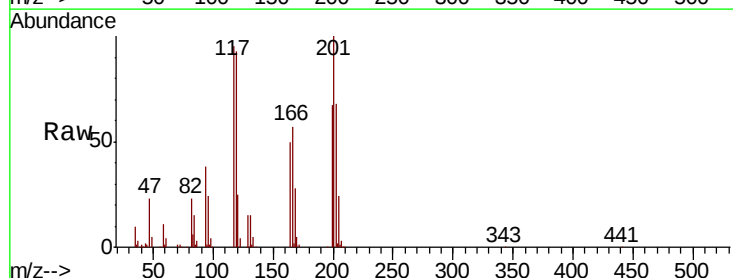
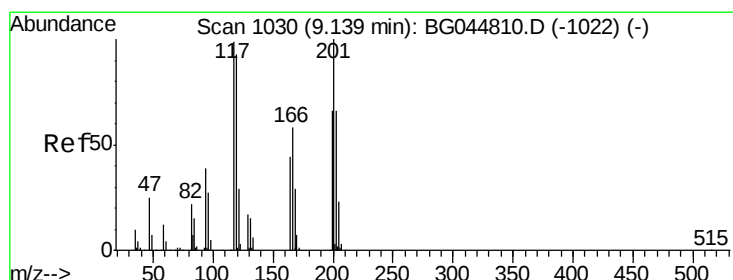
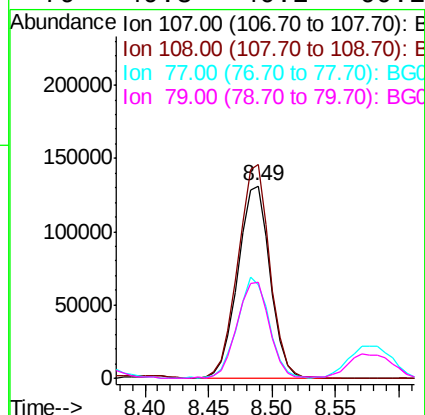
BNA_G

ClientSampleId :

P-2MS

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#18

Hexachloroethane

Concen: 43.303 ng

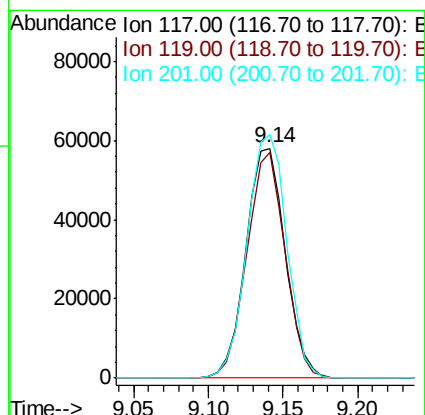
RT: 9.14 min Scan# 1030

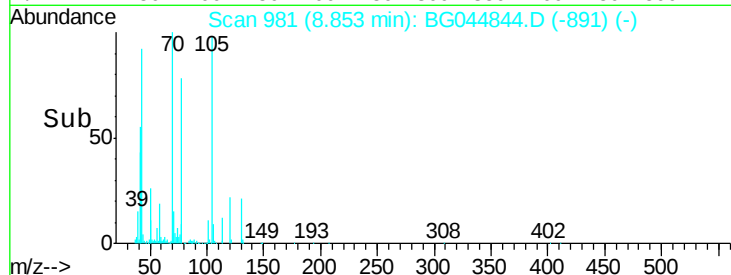
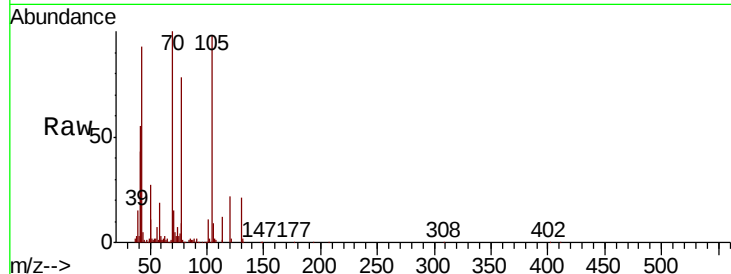
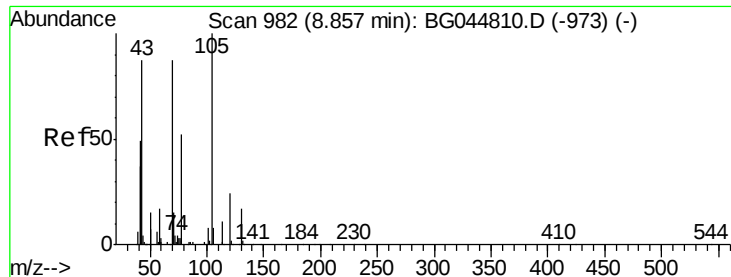
Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.9	75.2	112.8	
201	105.8	81.1	121.7	





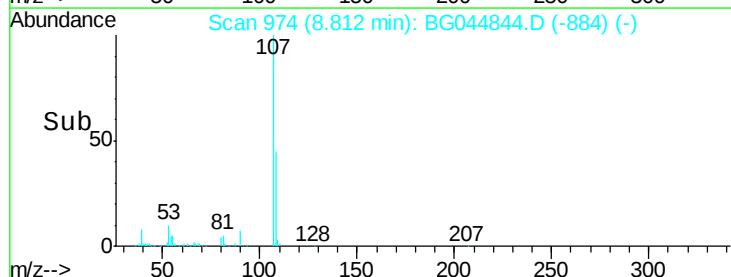
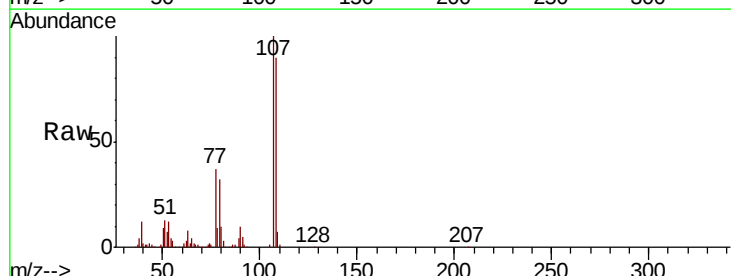
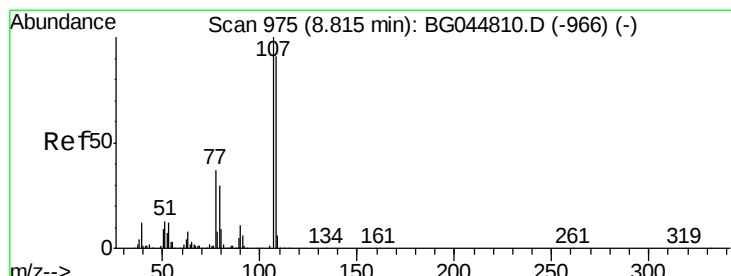
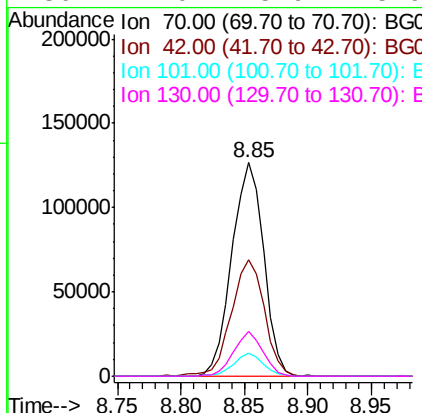
#19
n-Nitroso-di-n-propylamine
Concen: 42.025 ng
RT: 8.85 min Scan# 981
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.7	45.7	68.5
101	11.0	7.4	11.2
130	21.0	15.9	23.9

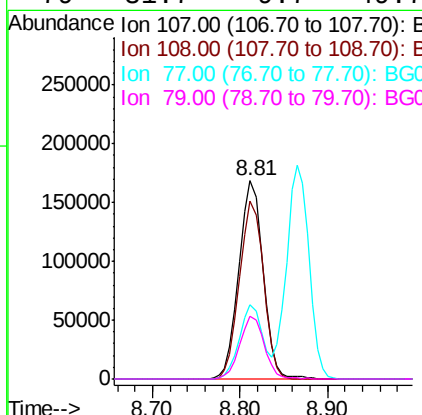
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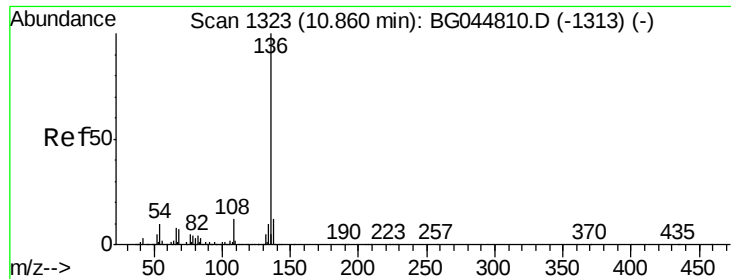
mohammad
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#20
3+4-Methylphenols
Concen: 45.777 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.3	111.3
77	37.3	16.9	56.9
79	31.7	9.7	49.7





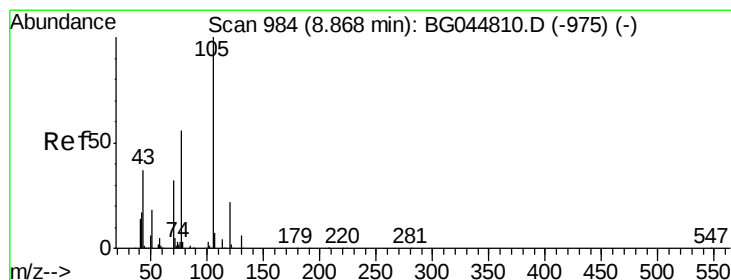
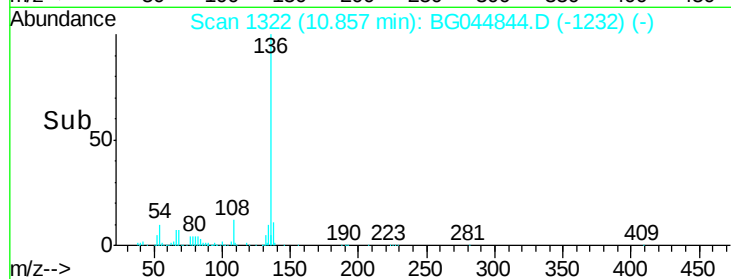
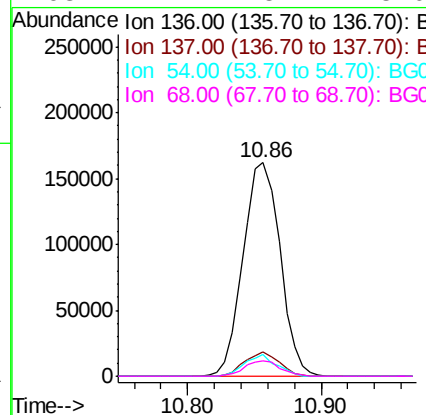
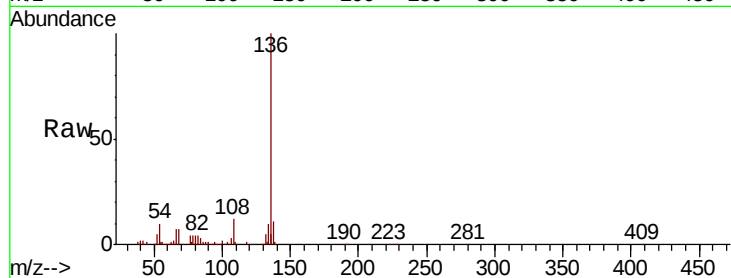
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		310585		
137	11.5		9.8	14.6	
54	10.3		7.9	11.9	
68	7.1		5.4	8.0	

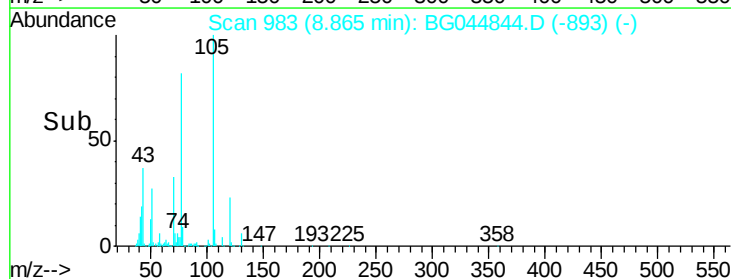
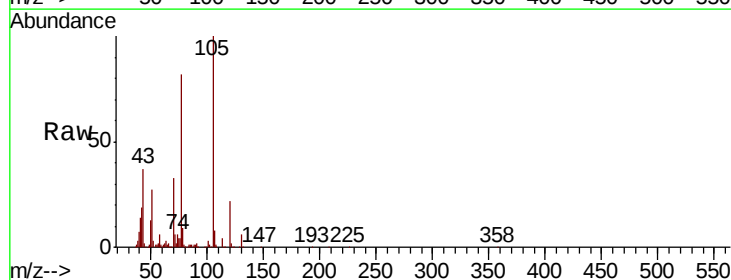
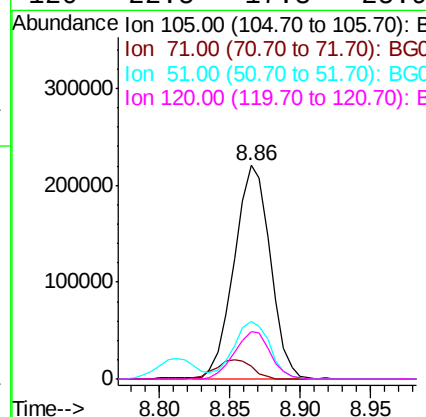
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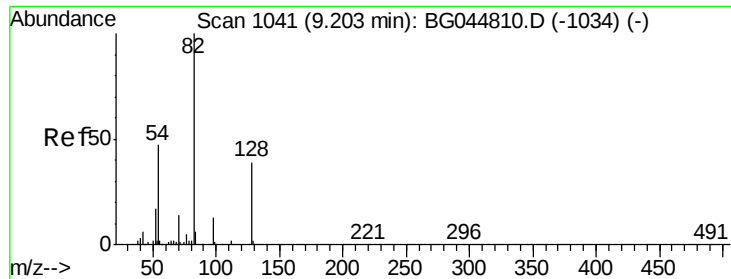
mohammad
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#22
Acetophenone
Concen: 44.600 ng
RT: 8.86 min Scan# 983
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		392432		
71	6.0		3.9	5.9#	
51	27.1		22.6	33.8	
120	22.5		17.3	25.9	





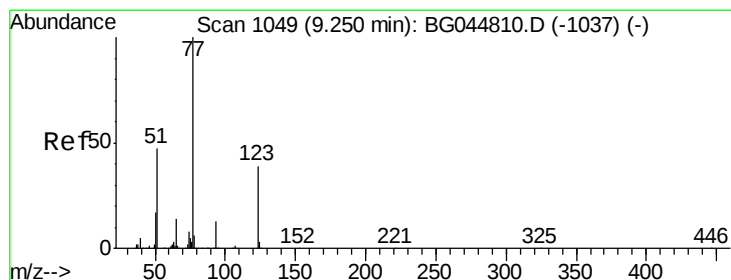
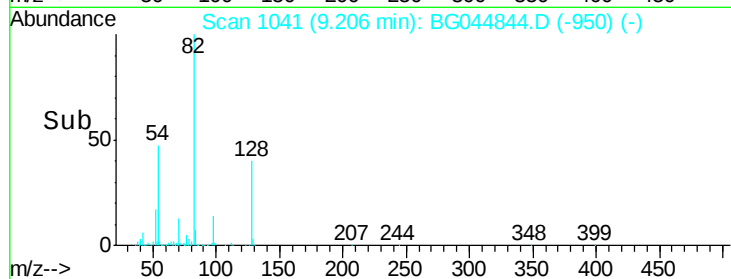
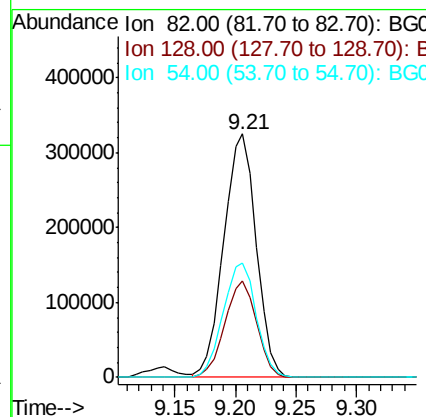
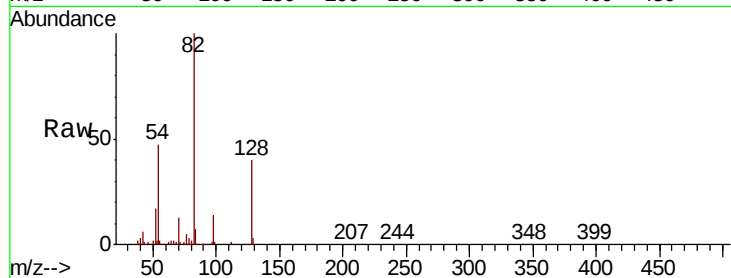
#23
 Nitrobenzene-d5
 Concen: 85.307 ng
 RT: 9.21 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Instrument :
 BNA_G
 ClientSampleId :
 P-2MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.6	46.0
54	46.8	37.1	55.7

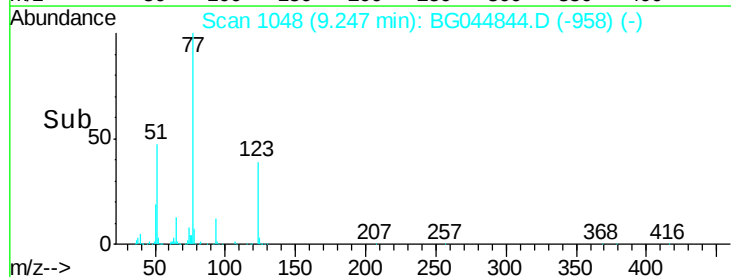
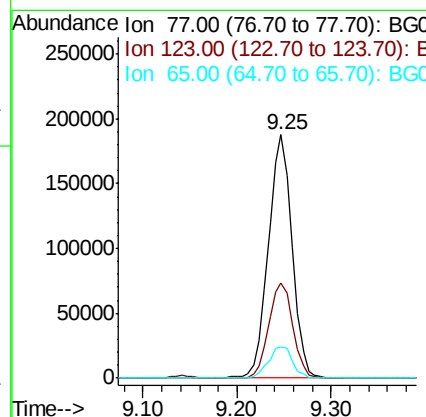
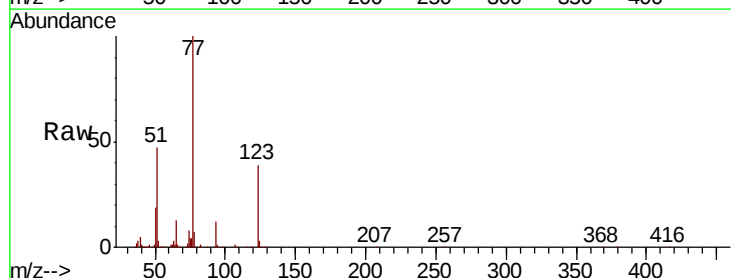
Manual Integrations
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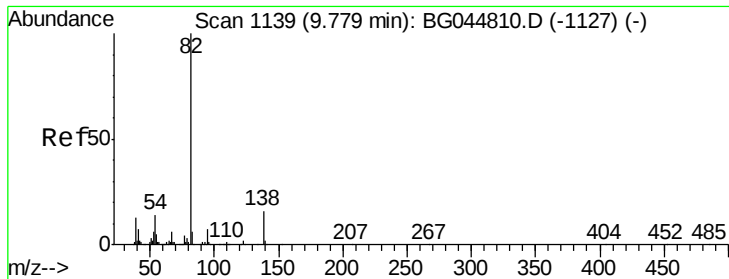
mohammad
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#24
 Nitrobenzene
 Concen: 44.513 ng
 RT: 9.25 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.9	31.3	46.9
65	13.0	11.4	17.0





#25

Isophorone

Concen: 45.040 ng

RT: 9.78 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

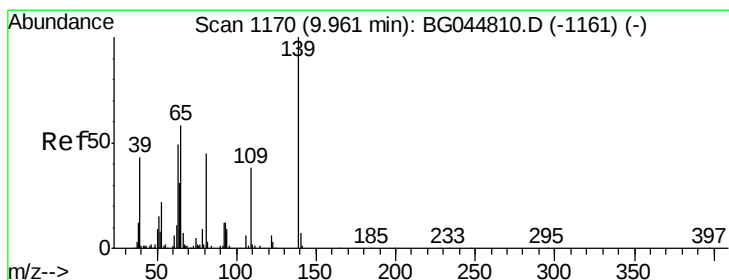
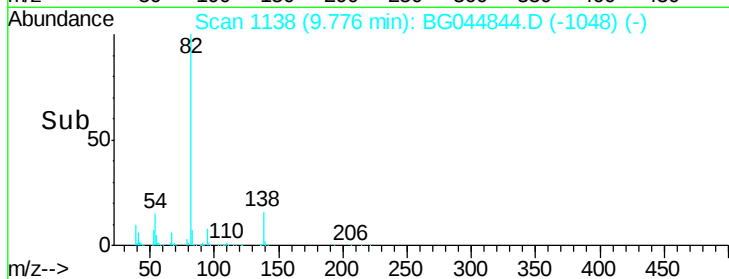
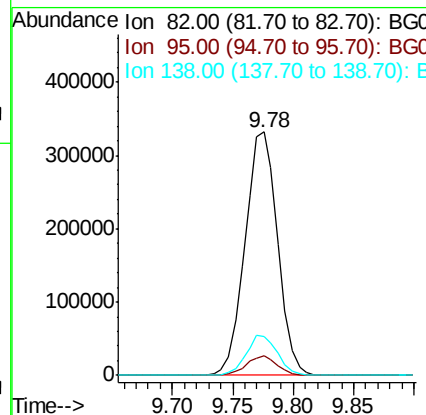
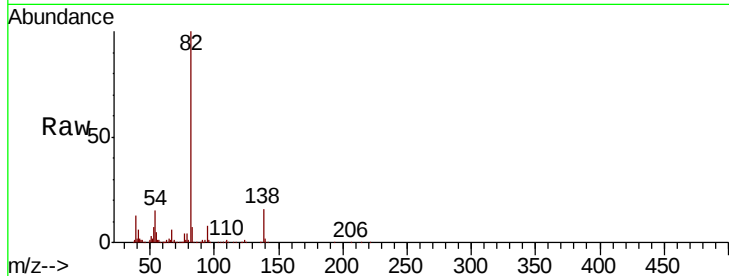
ClientSampleId :

P-2MS

Tot Ion:	82	Resp:	622177
Ion Ratio	Lower	Upper	
82	100		
95	8.1	5.5	8.3
138	16.0	12.5	18.7

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#26

2-Nitrophenol

Concen: 54.914 ng

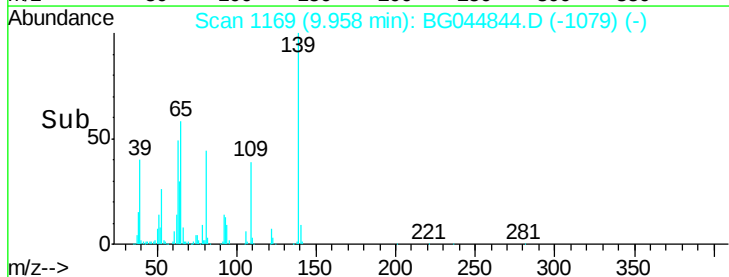
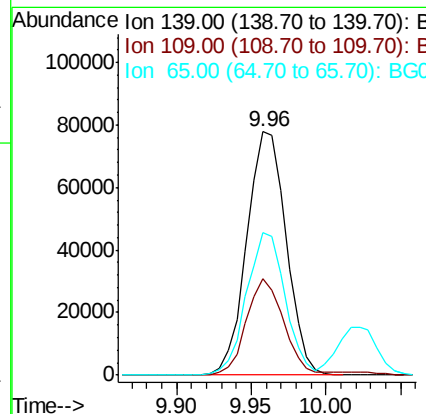
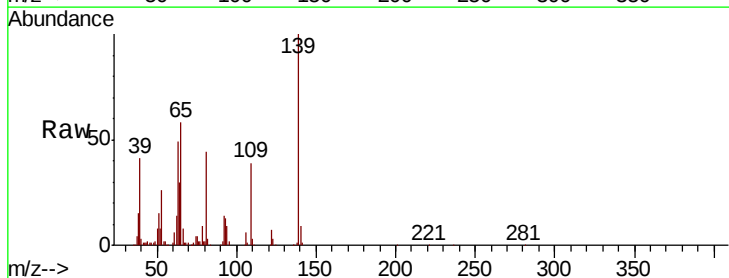
RT: 9.96 min Scan# 1169

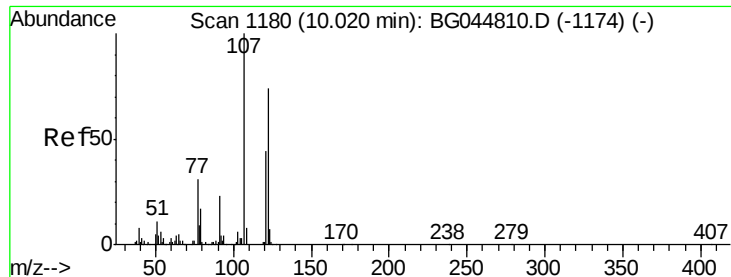
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	139	Resp:	142298
Ion Ratio	Lower	Upper	
139	100		
109	39.4	30.2	45.4
65	58.3	46.3	69.5





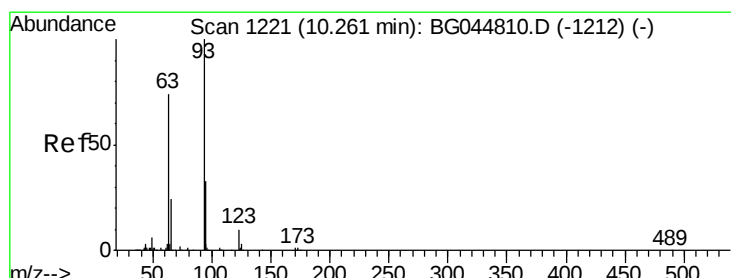
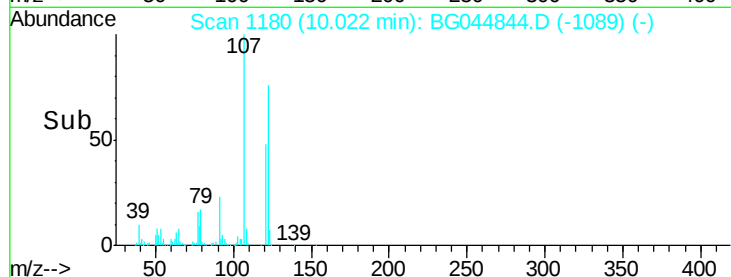
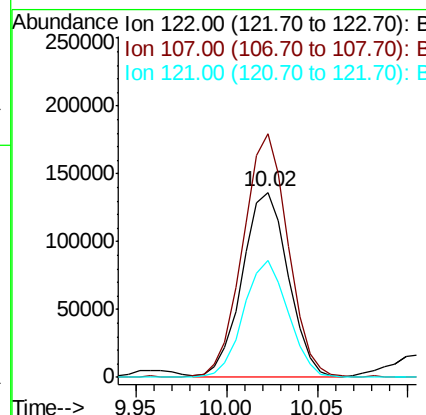
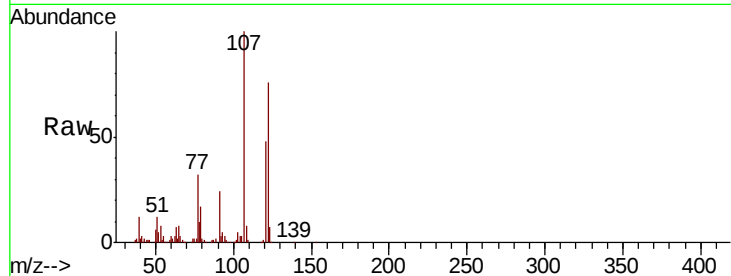
#27
2,4-Dimethylphenol
Concen: 53.135 ng
RT: 10.02 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	239027		
107	131.6	107.1	160.7	
121	63.5	46.8	70.2	

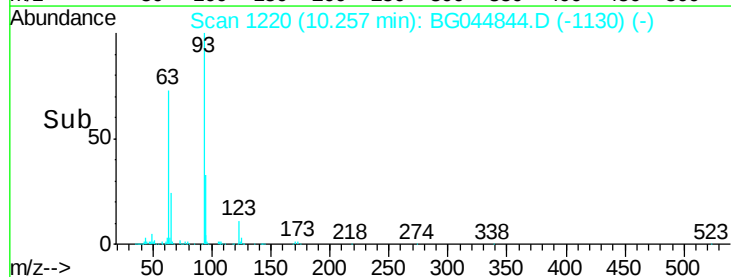
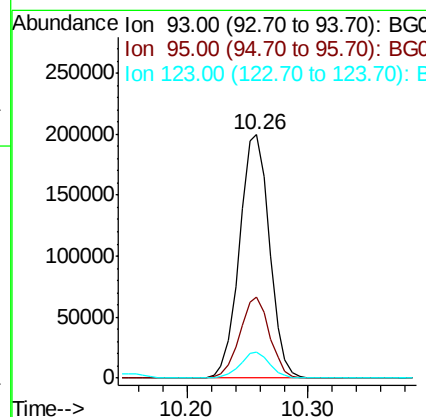
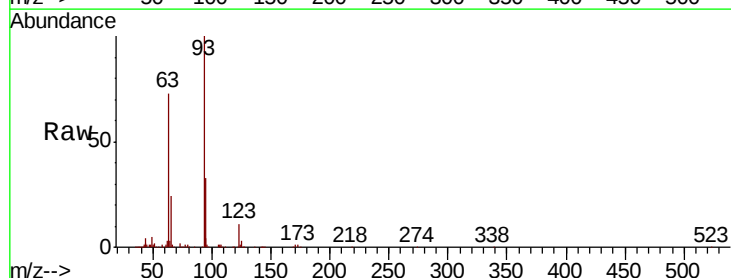
Manual Integrations
APPROVED

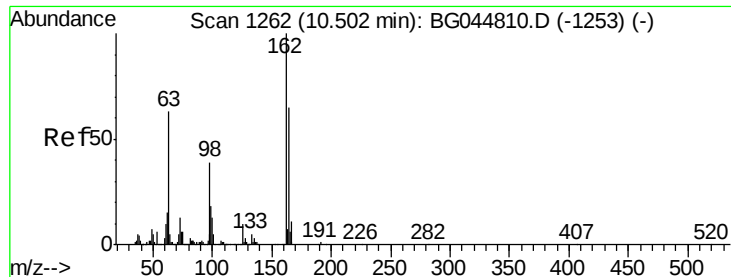
mohammad
3/18/2020 4:00:22 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.949 ng
RT: 10.26 min Scan# 1220
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	345818		
95	33.4	26.4	39.6	
123	10.5	8.4	12.6	





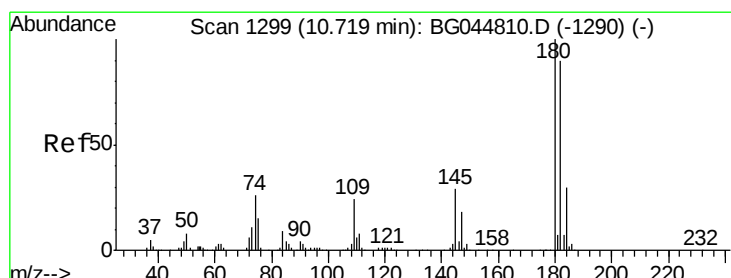
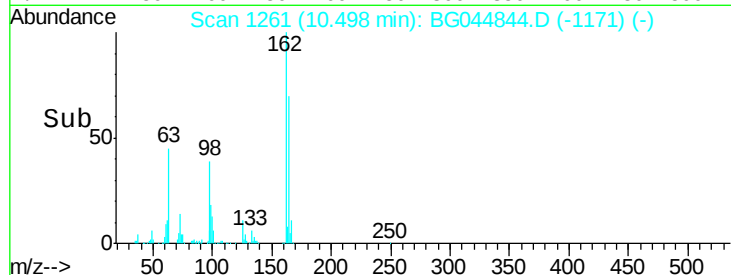
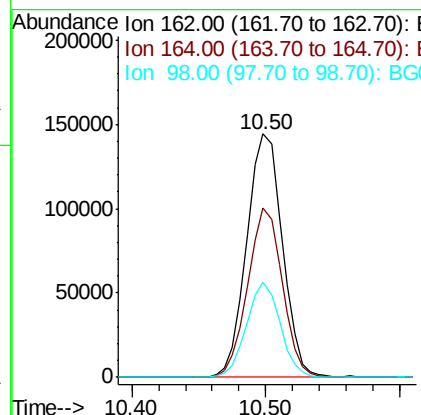
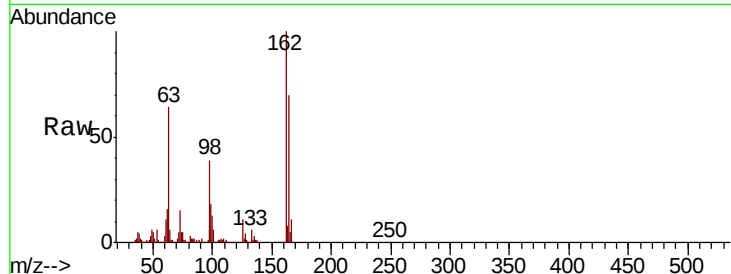
#29
2,4-Dichlorophenol
Concen: 50.645 ng
RT: 10.50 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	69.8	45.2	85.2
98	38.8	19.0	59.0

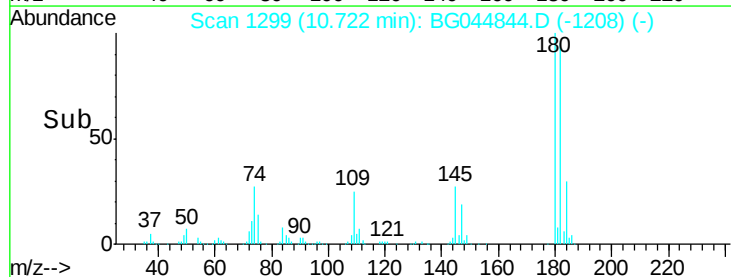
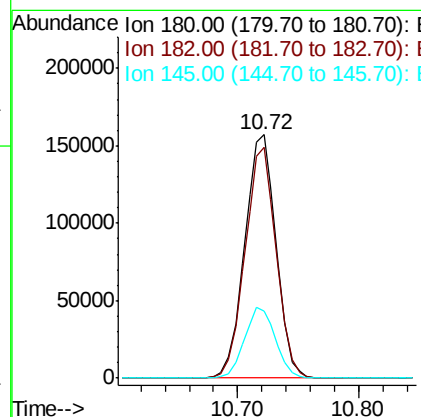
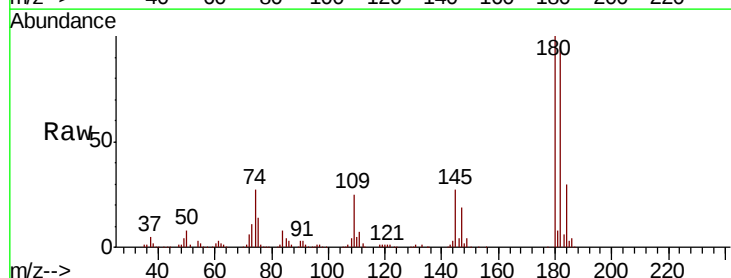
Manual Integrations
APPROVED

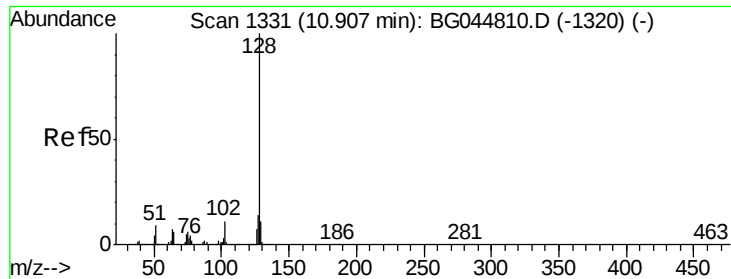
mohammad
3/18/2020 4:00:22 PM



#30
1,2,4-Trichlorobenzene
Concen: 45.126 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.9	71.6	107.4
145	27.5	23.4	35.0





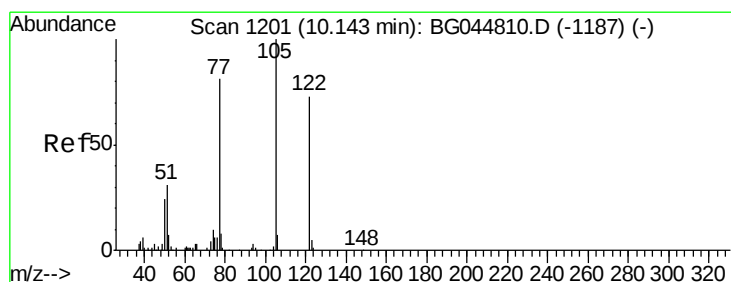
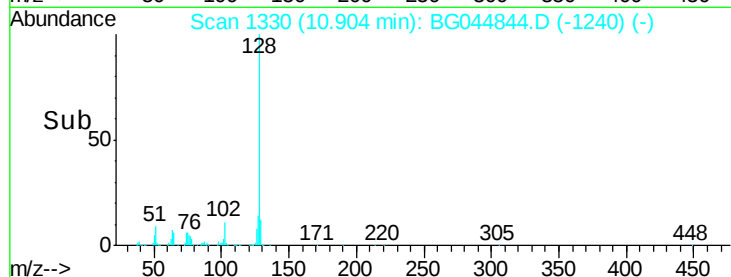
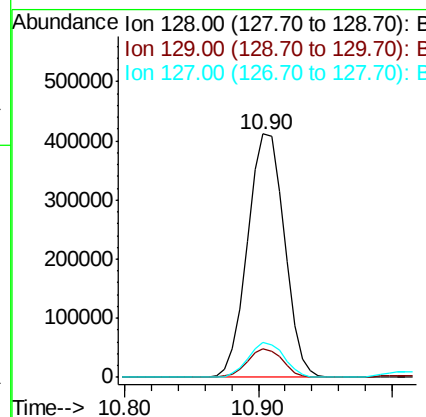
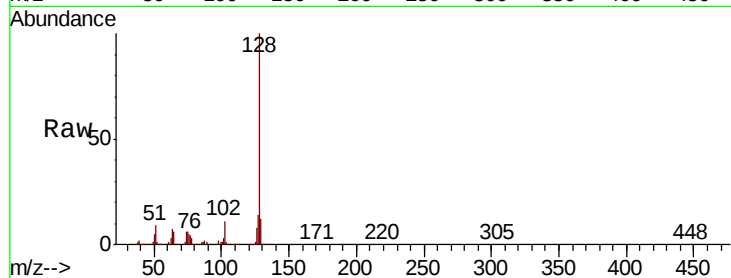
#31
Naphthalene
Concen: 45.601 ng
RT: 10.90 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.9	9.0	13.4	
127	14.2	10.8	16.2	

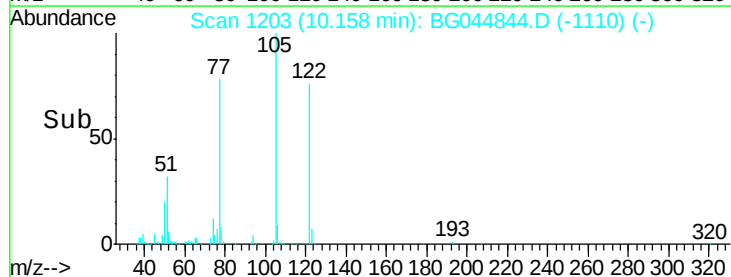
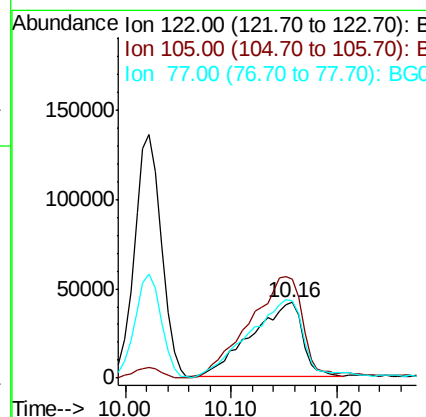
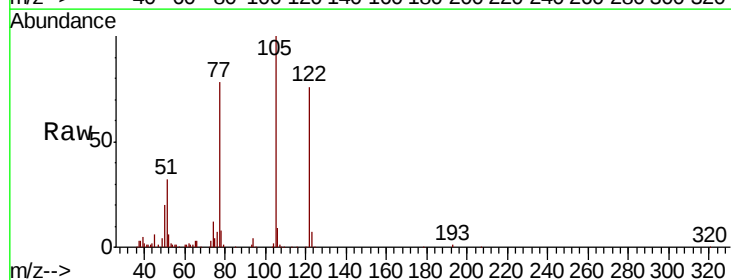
Manual Integrations
APPROVED

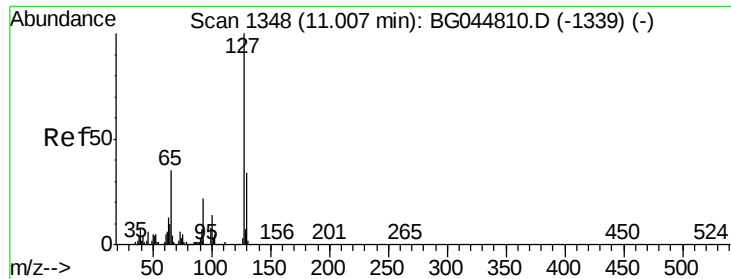
mohammad
3/18/2020 4:00:22 PM



#32
Benzoic acid
Concen: 42.002 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	130.9	109.1	149.1	
77	102.6	85.3	125.3	





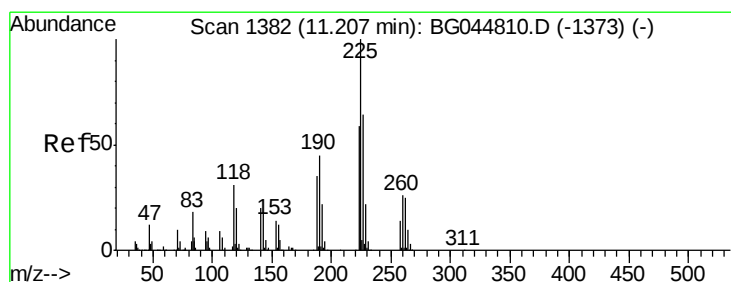
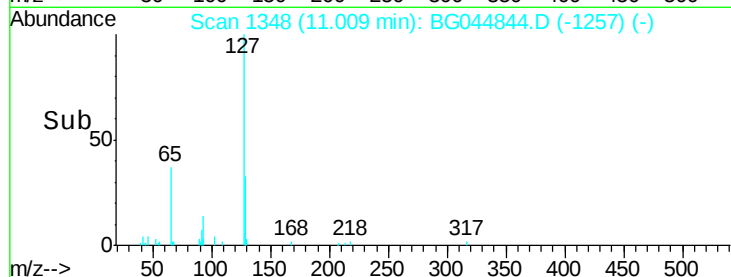
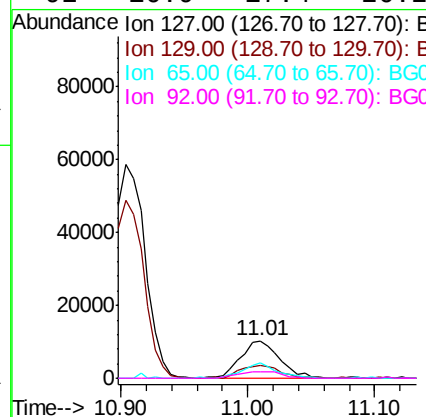
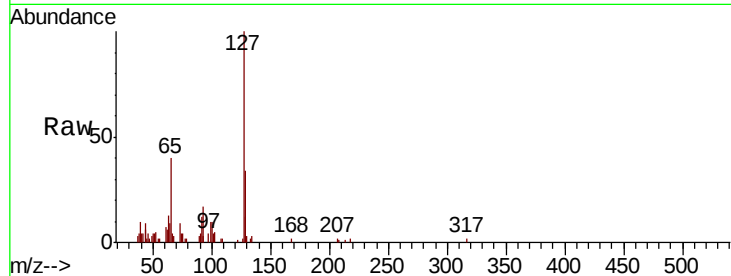
#33
4-Chloroaniline
Concen: 2.847 ng
RT: 11.01 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		22072		
129	34.4	26.9	40.3		
65	40.2	27.7	41.5		
92	16.9	17.4	26.2		

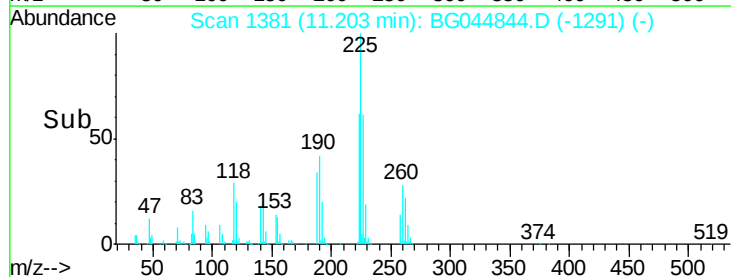
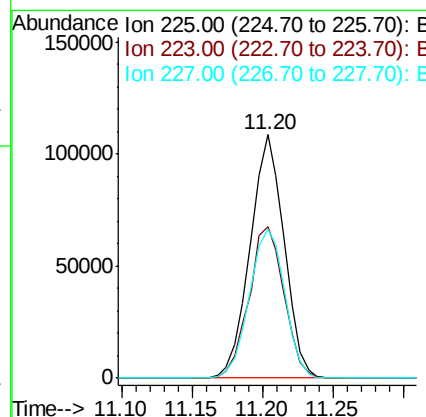
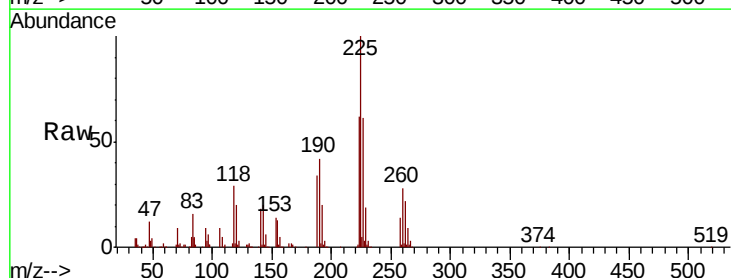
Manual Integrations
APPROVED

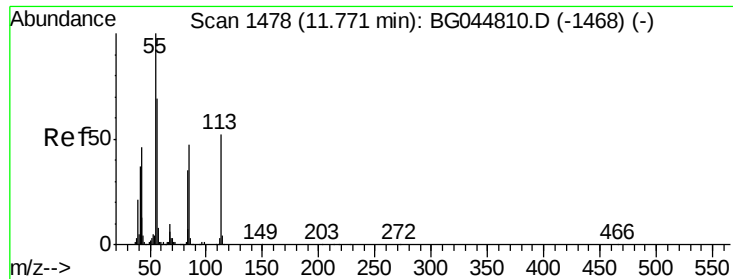
mohammad
3/18/2020 4:00:22 PM



#34
Hexachlorobutadiene
Concen: 44.339 ng
RT: 11.20 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		183193		
223	62.4	47.4	71.0		
227	61.3	50.8	76.2		





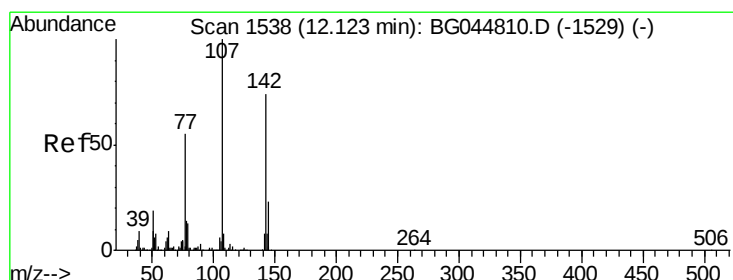
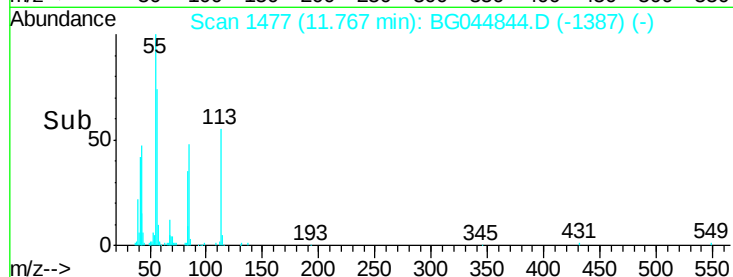
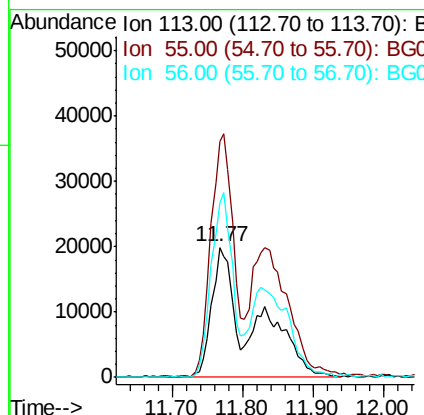
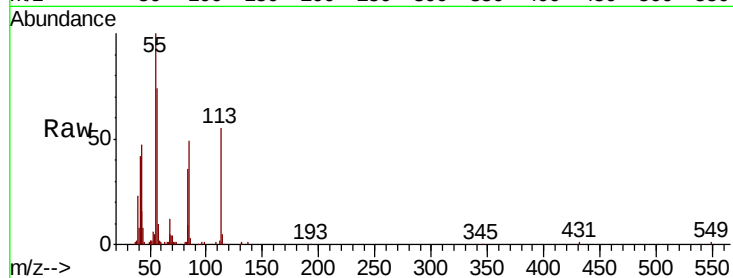
#35
 Caprolactam
 Concen: 39.628 ng/ml
 RT: 11.77 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Instrument :
 BNA_G
 ClientSampleID :
 P-2MS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	181.1	173.8	213.8	
56	134.6	113.8	153.8	

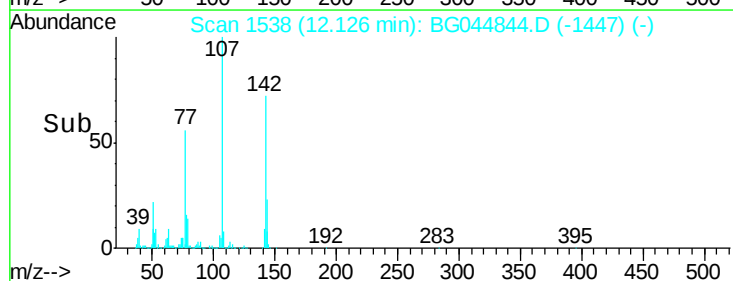
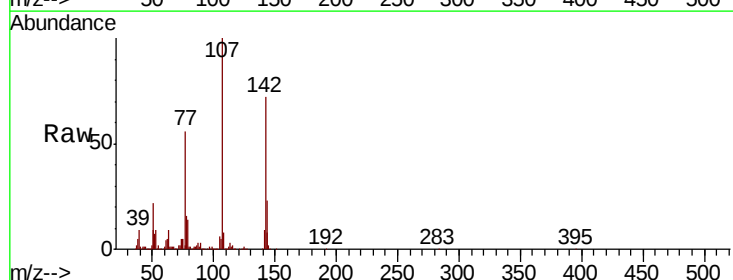
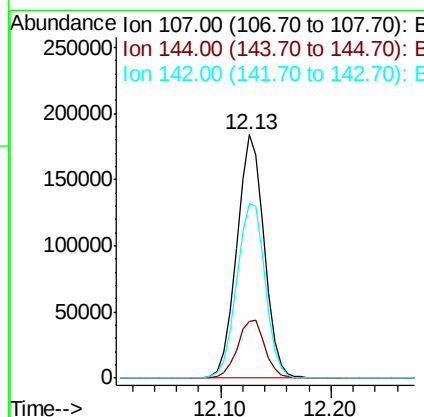
Manual Integrations
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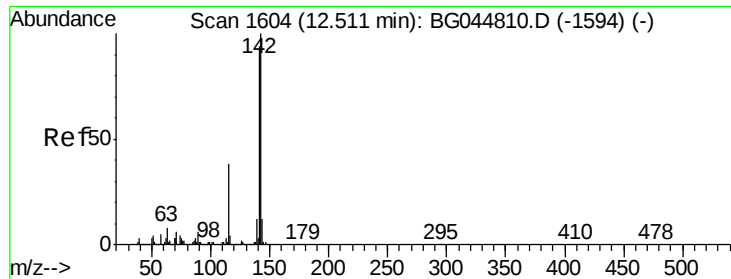
mohammad
 3/18/2020 4:00:22 PM



#36
 4-Chloro-3-methylphenol
 Concen: 51.114 ng/ml
 RT: 12.13 min Scan# 1538
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	23.2	18.0	27.0	
142	71.5	59.0	88.4	





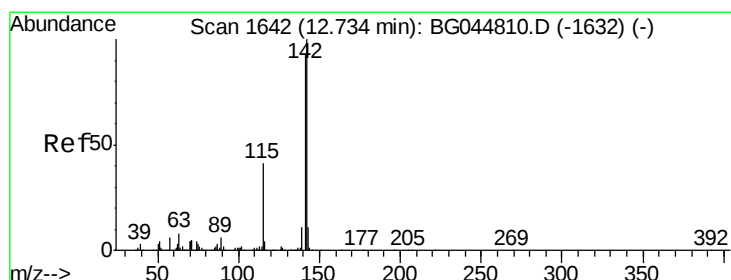
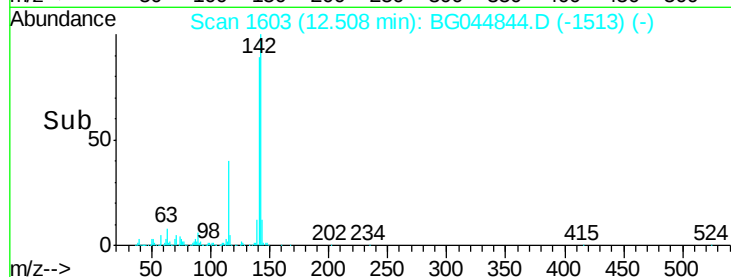
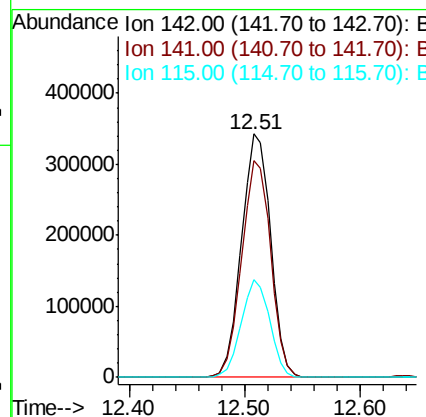
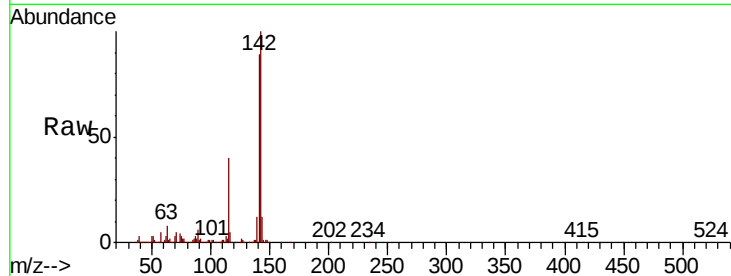
#37
2-Methylnaphthalene
Concen: 46.457 ng
RT: 12.51 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	75.1	112.7
115	39.9	30.6	46.0

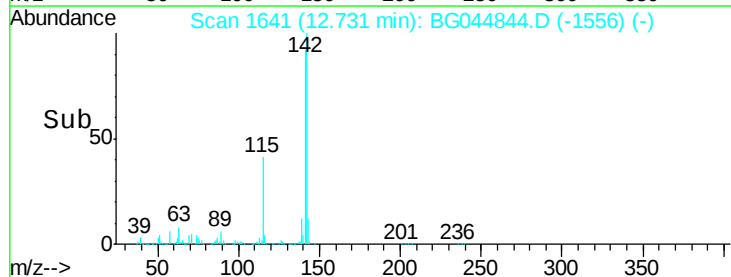
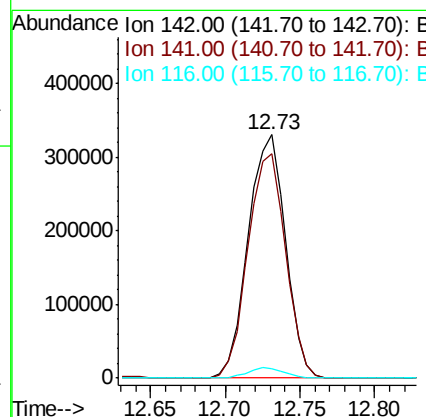
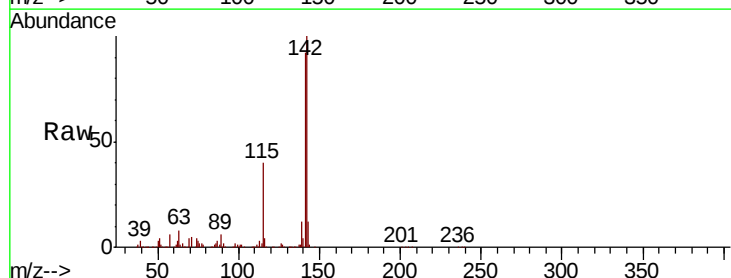
Manual Integrations
APPROVED

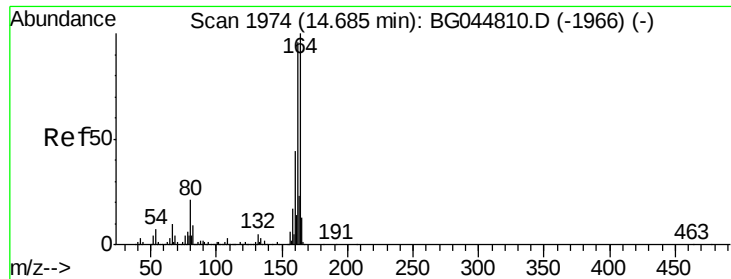
mohammad
3/18/2020 4:00:22 PM



#38
1-Methylnaphthalene
Concen: 47.172 ng
RT: 12.73 min Scan# 1641
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.7	112.1
116	3.9	3.3	4.9





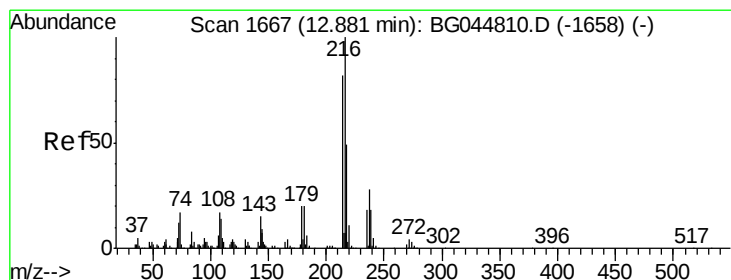
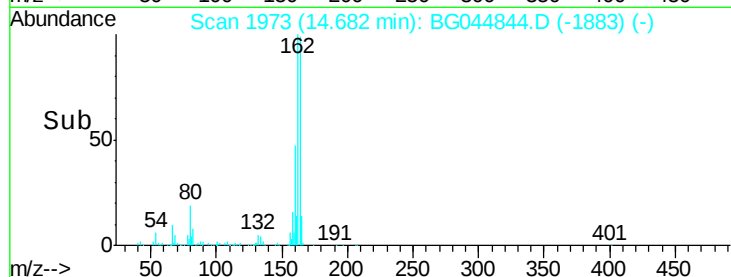
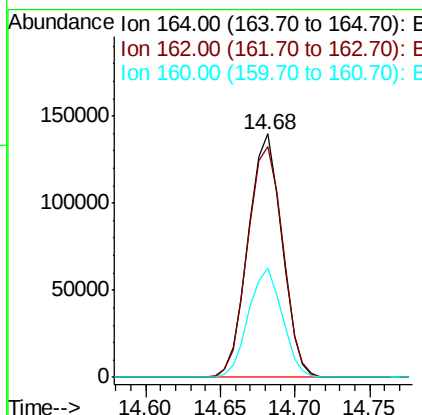
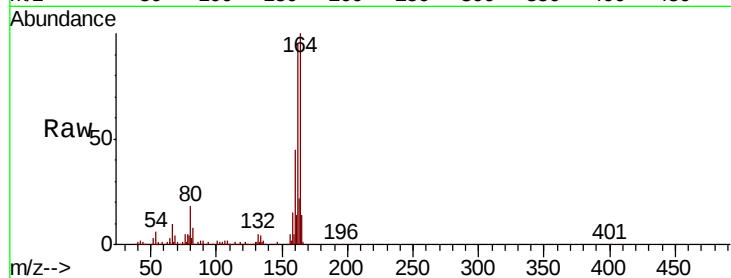
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.0	76.7	115.1
160	44.9	35.0	52.4

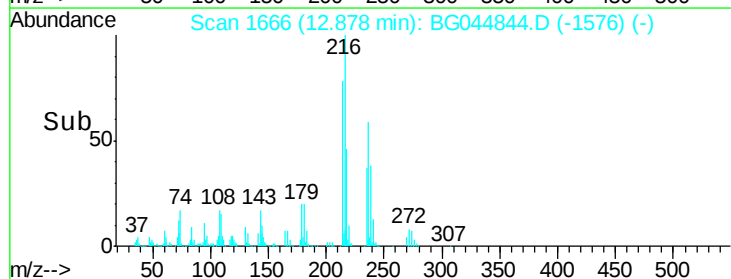
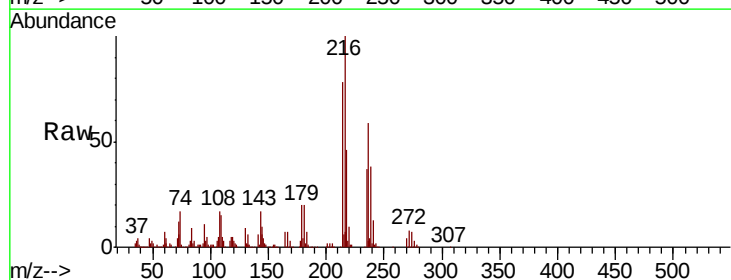
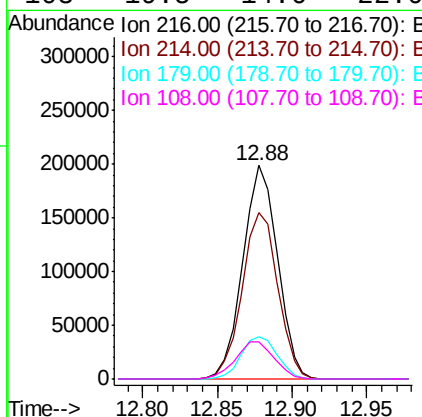
Manual Integrations
APPROVED

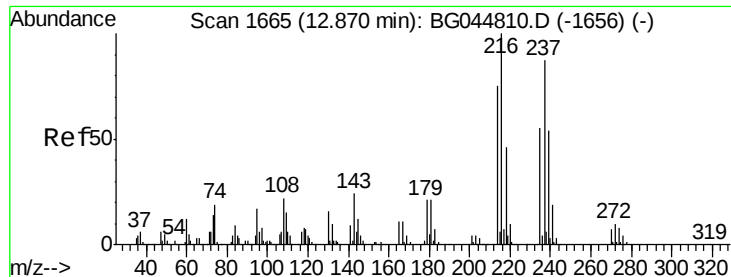
mohammad
3/18/2020 4:00:22 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.386 ng
RT: 12.88 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.6
179	20.8	16.2	24.2
108	19.5	14.6	22.0





#41

Hexachlorocyclopentadiene

Concen: 92.913 ng

RT: 12.87 min Scan# 1664

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

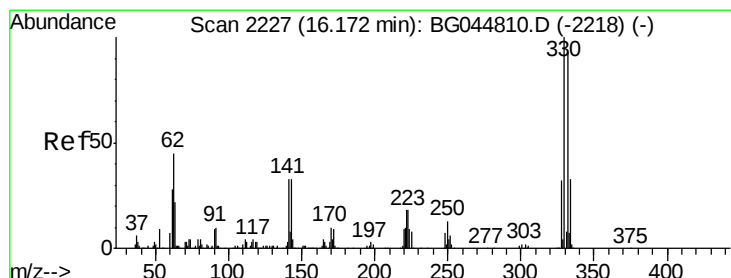
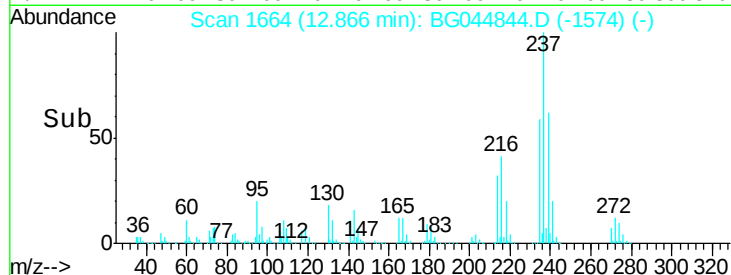
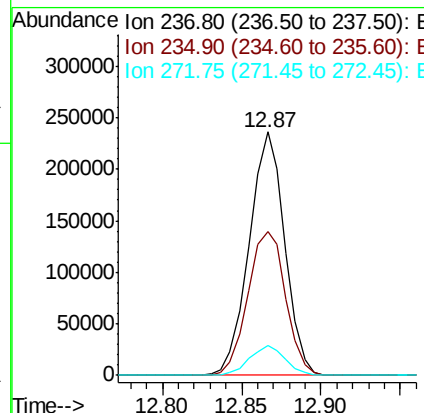
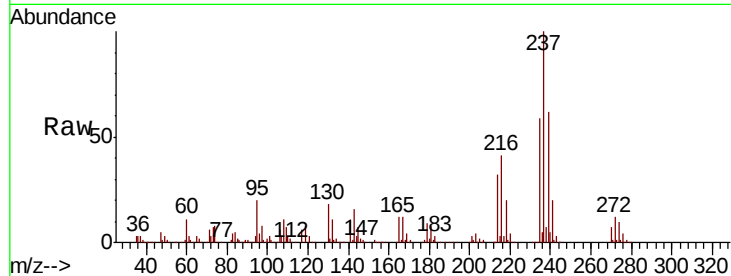
ClientSampleId :

P-2MS

Tot Ion:	237	Resp:	365777
Ion Ratio	Lower	Upper	
237	100		
235	58.9	42.9	82.9
272	12.3	0.0	31.6

Manual Integrations
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mohammad
3/18/2020 4:00:22 PM



#42

2,4,6-Tribromophenol

Concen: 154.633 ng

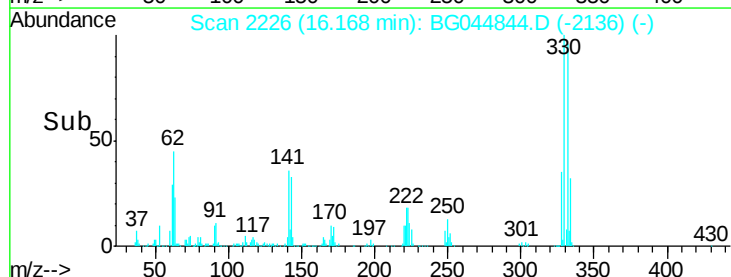
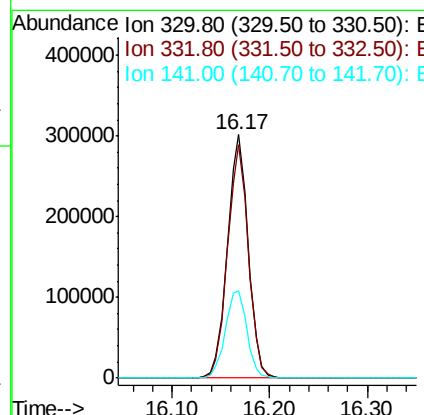
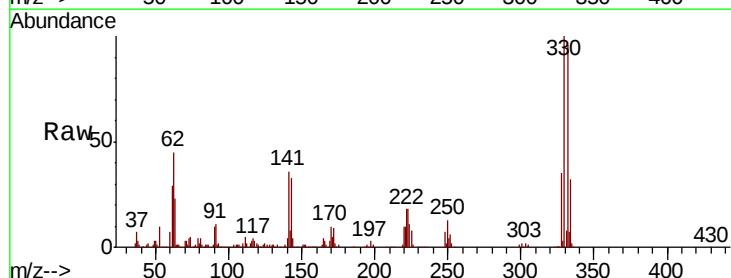
RT: 16.17 min Scan# 2226

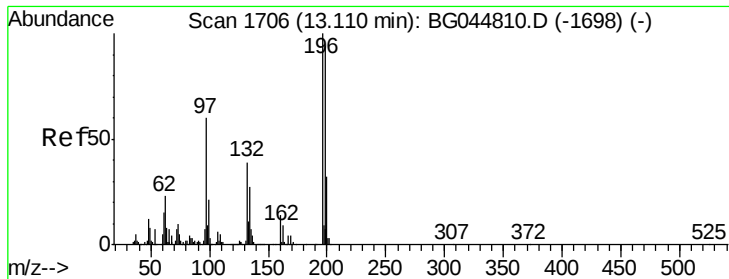
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	330	Resp:	442866
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.8	116.6
141	37.2	29.5	44.3





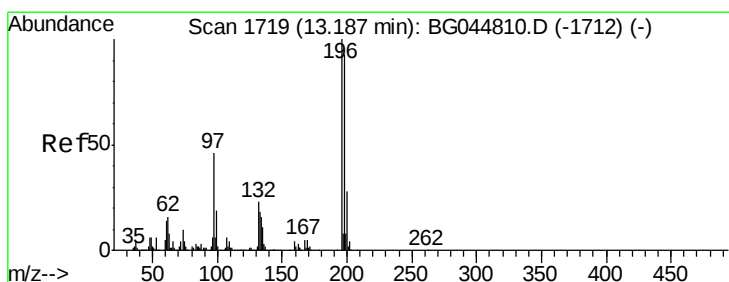
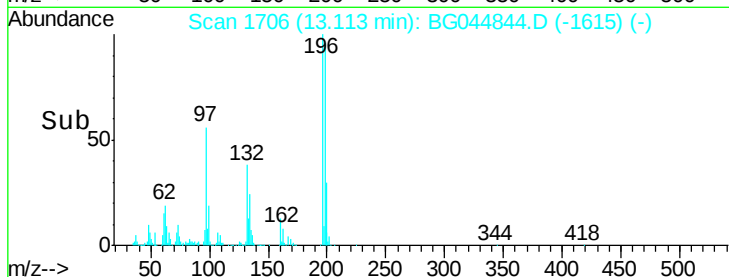
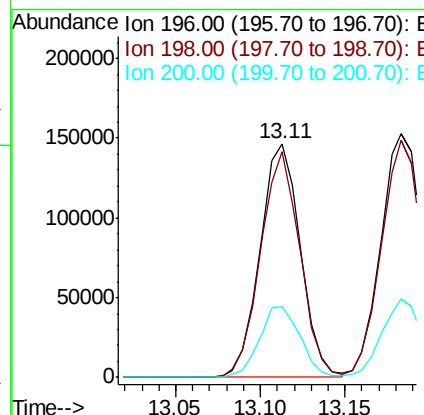
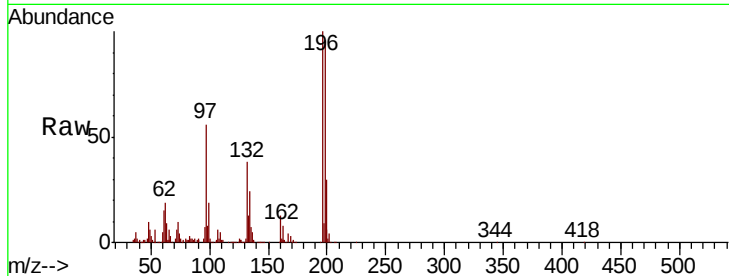
#43
 2,4,6-Trichlorophenol
 Concen: 50.709 ng
 RT: 13.11 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Instrument :
 BNA_G
 ClientSampleId :
 P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	242421		
198	96.4	74.9	112.3	
200	30.0	25.8	38.6	

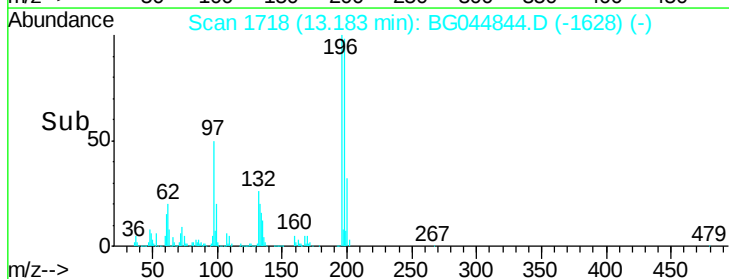
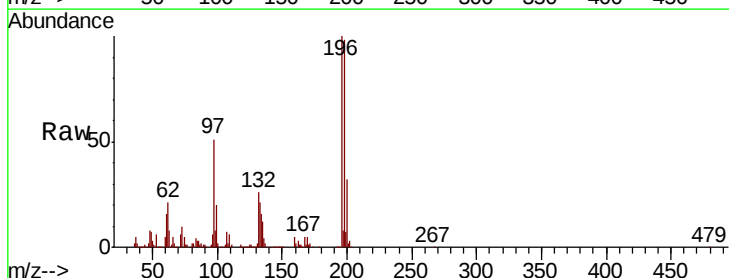
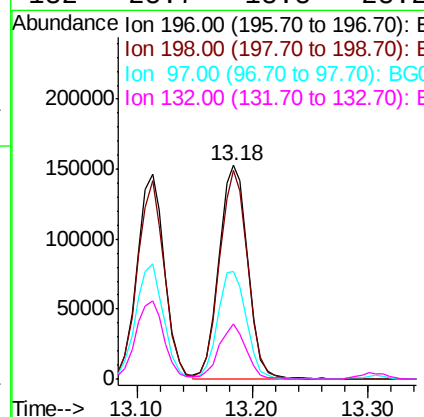
Manual Integrations
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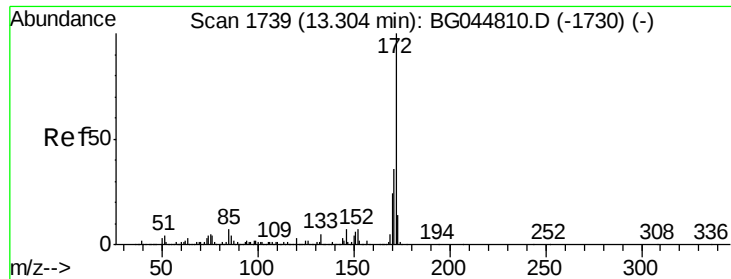
mohammad
 3/18/2020 4:00:22 PM



#44
 2,4,5-Trichlorophenol
 Concen: 52.703 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	261290		
198	97.6	74.2	111.4	
97	50.6	36.7	55.1	
132	25.7	18.8	28.2	





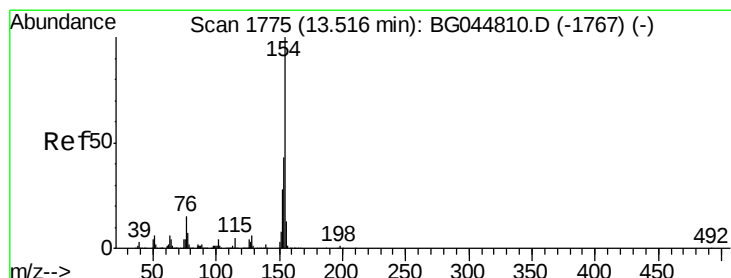
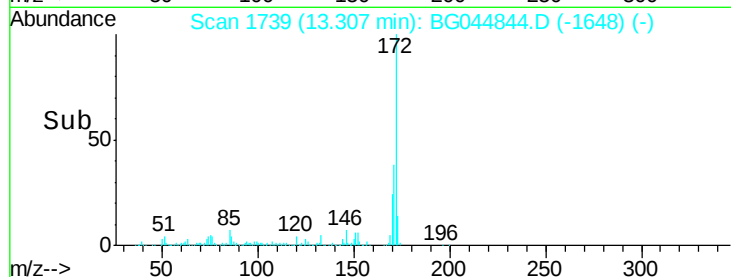
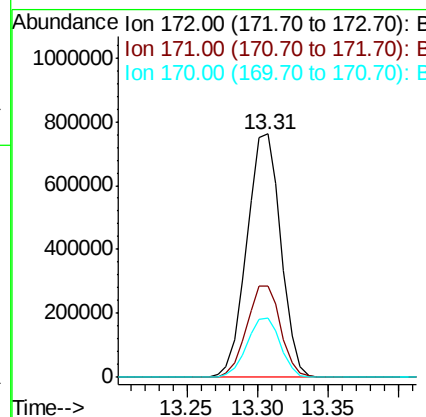
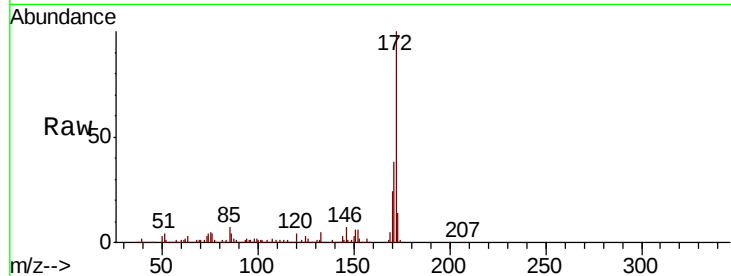
#45
2-Fluorobiphenyl
Concen: 84.090 ng
RT: 13.31 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.7	43.1
170	24.3	19.0	28.6

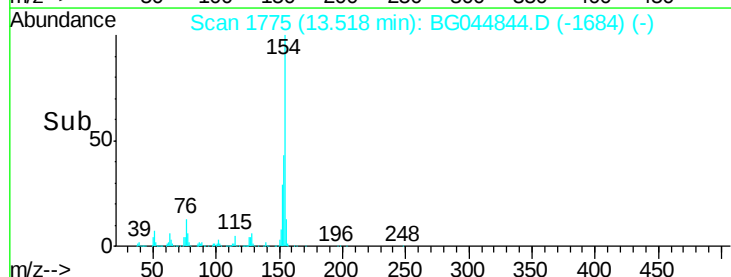
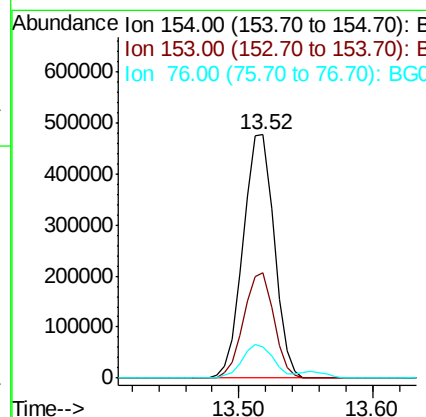
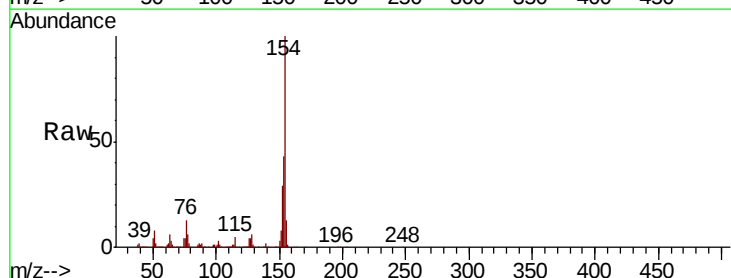
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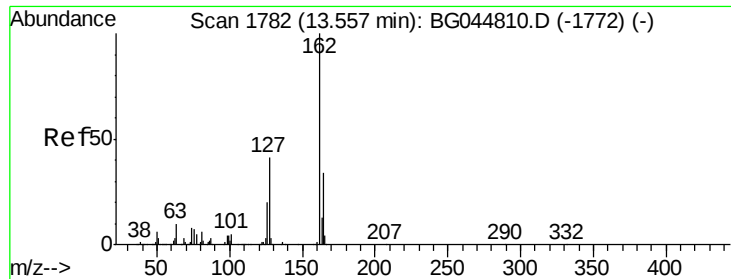
mohammad
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#46
1,1'-Biphenyl
Concen: 43.838 ng
RT: 13.52 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.5	22.9	62.9
76	12.9	0.0	34.6





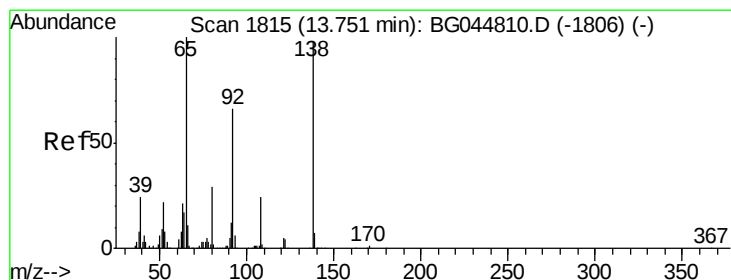
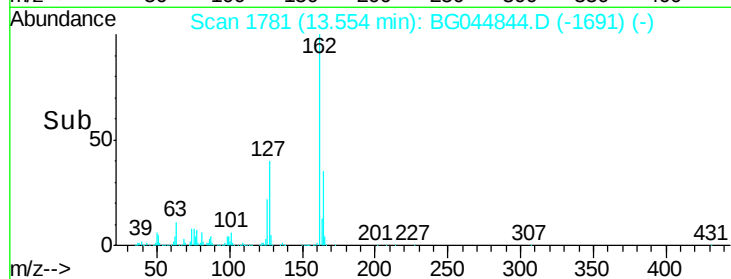
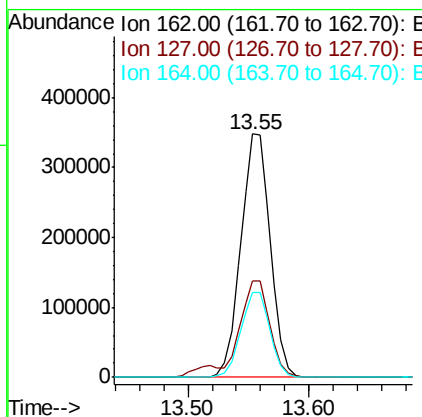
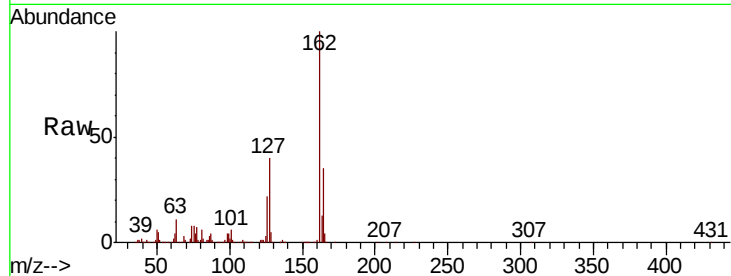
#47
2-Chloronaphthalene
Concen: 44.127 ng
RT: 13.55 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	589218		
127	39.8		33.1	49.7
164	35.0		27.4	41.2

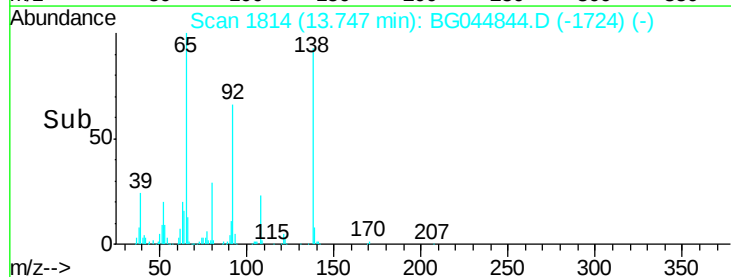
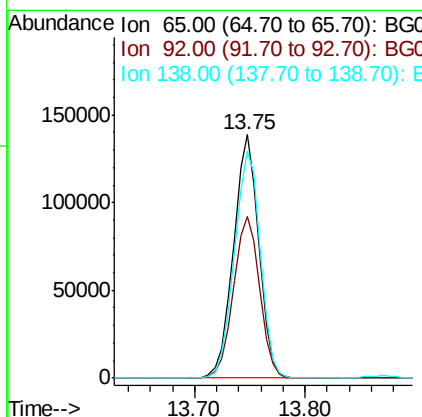
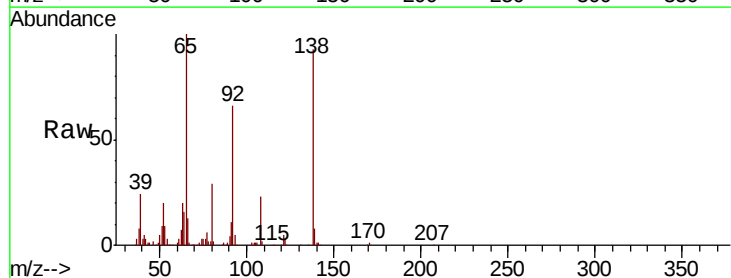
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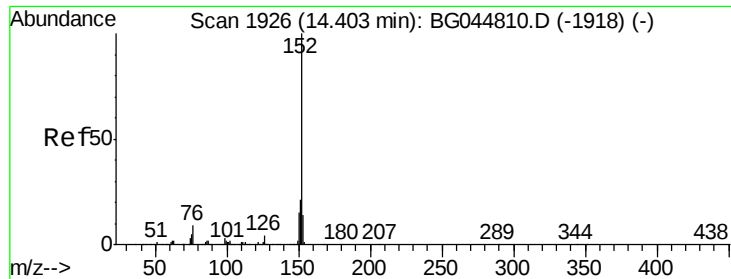
mohammad
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#48
2-Nitroaniline
Concen: 47.744 ng
RT: 13.75 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	223192		
92	66.5		52.6	79.0
138	93.3		78.3	117.5





#49

Acenaphthylene

Concen: 47.584 ng

RT: 14.40 min Scan# 1925

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

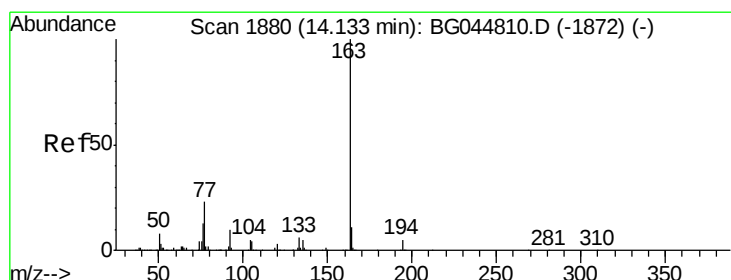
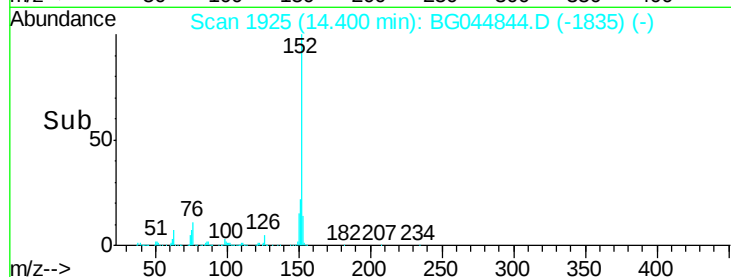
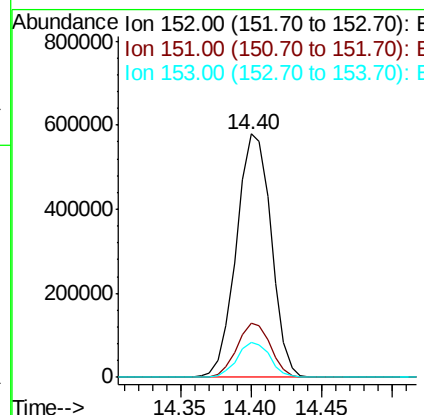
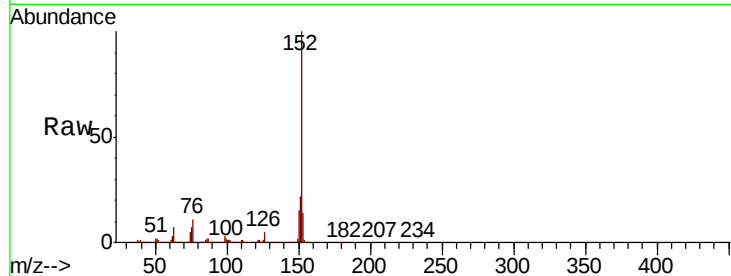
ClientSampleId :

P-2MS

Tot Ion:	152	Resp:	995418
Ion Ratio	Lower	Upper	
152	100		
151	22.1	16.8	25.2
153	14.2	10.8	16.2

Manual Integrations
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#50

Dimethylphthalate

Concen: 51.907 ng

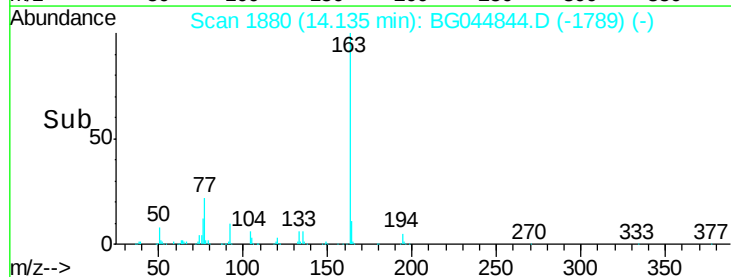
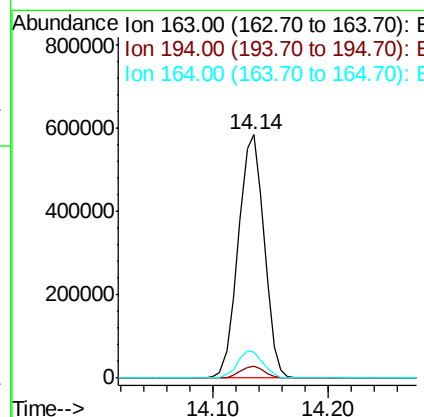
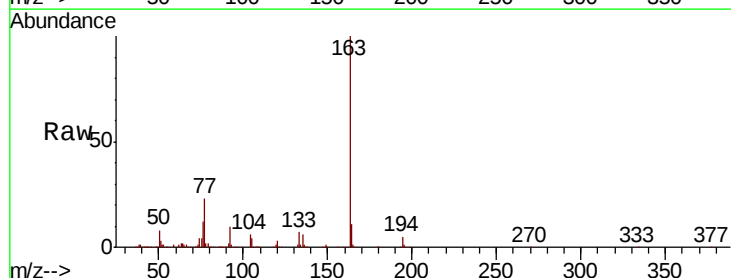
RT: 14.14 min Scan# 1880

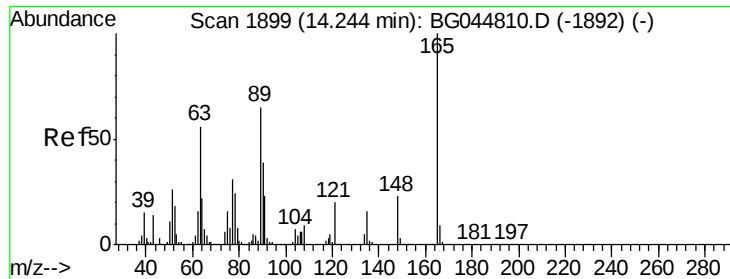
Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	163	Resp:	904281
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.7	5.5
164	10.6	9.1	13.7





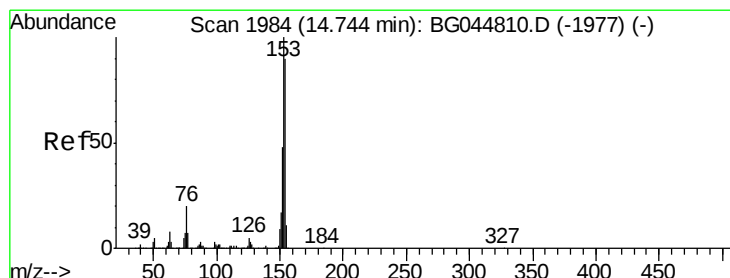
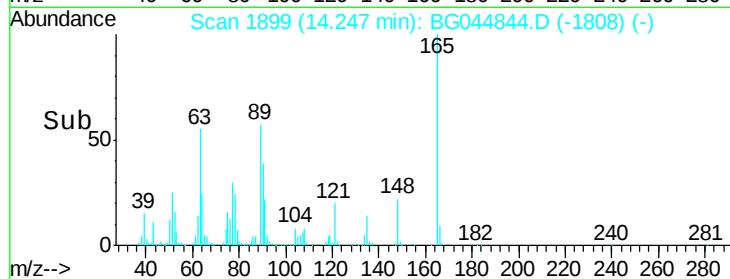
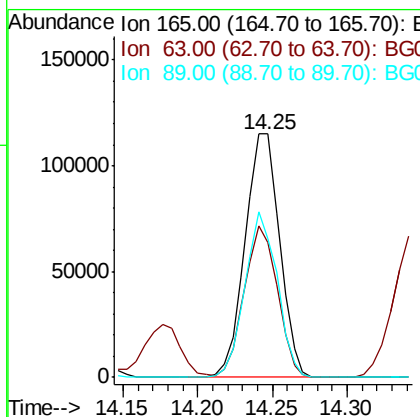
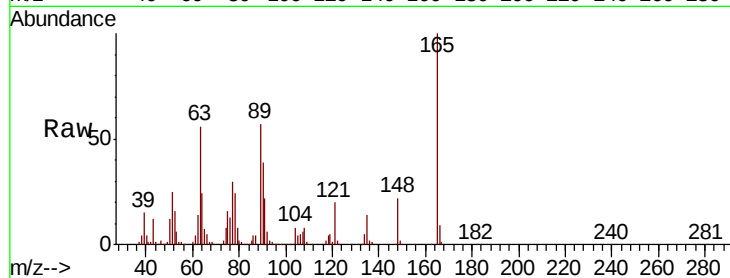
#51
 2,6-Dinitrotoluene
 Concen: 52.581 ng
 RT: 14.25 min Scan# 1899
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Instrument :
 BNA_G
 ClientSampleId :
 P-2MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	55.5	45.8	68.8
89	56.9	51.8	77.6

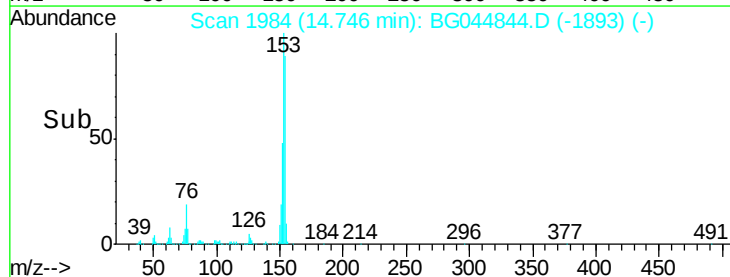
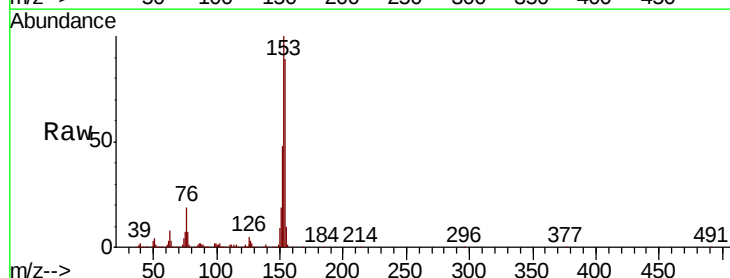
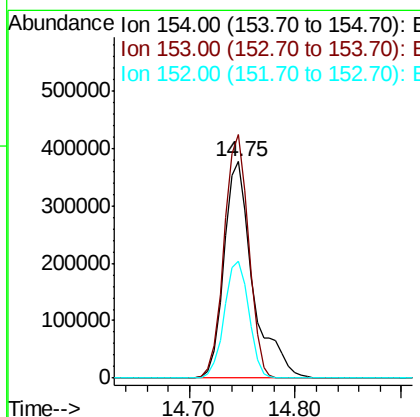
Manual Integrations
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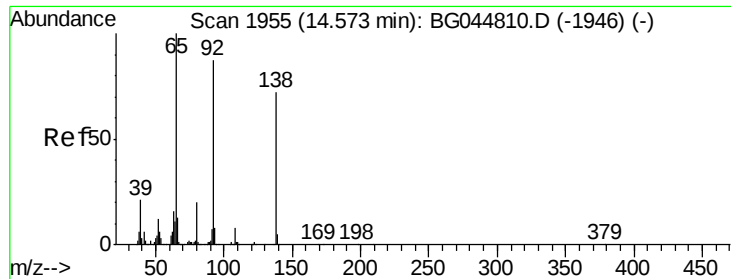
mohammad
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#52
 Acenaphthene
 Concen: 52.213 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.0	133.6
152	54.0	43.0	64.6





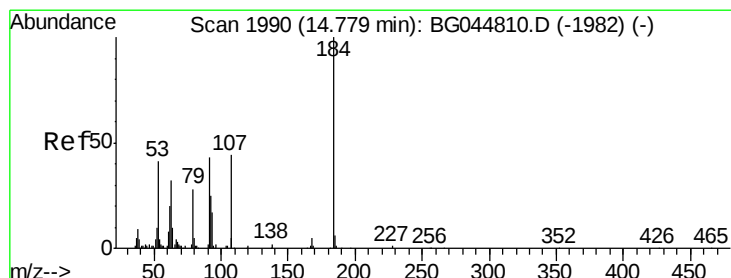
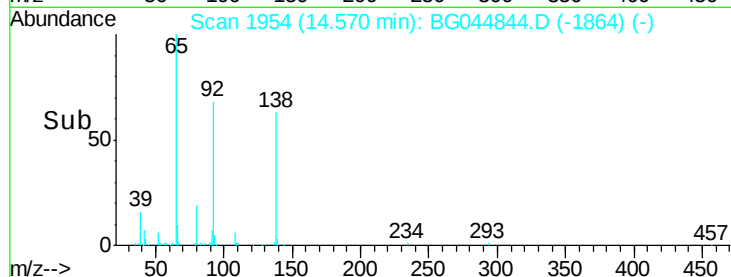
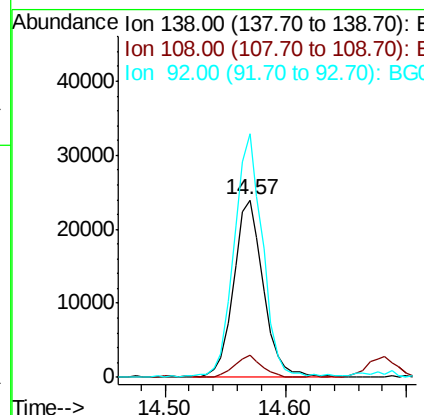
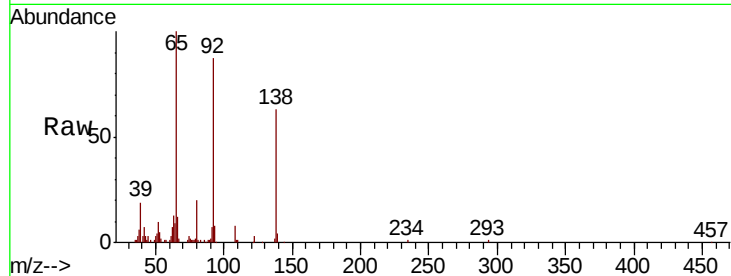
#53
3-Nitroaniline
Concen: 10.150 ng
RT: 14.57 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.0	13.4
92	137.2	96.8	145.2

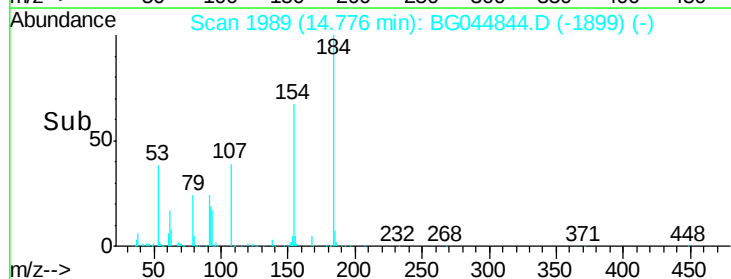
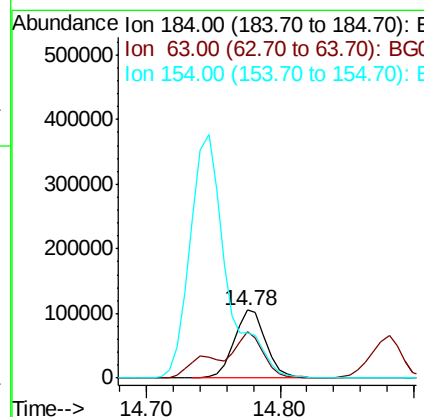
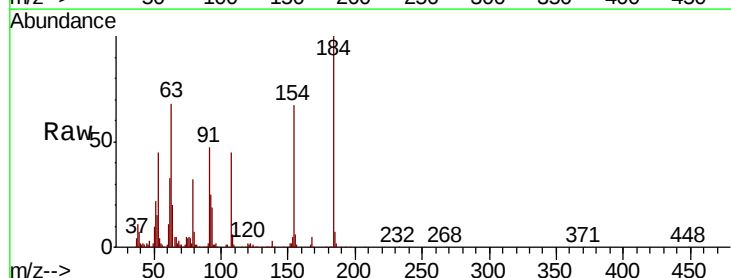
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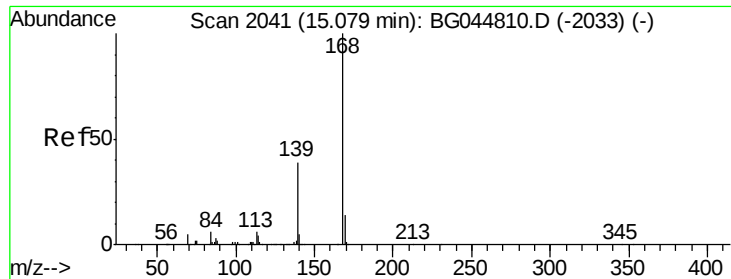
mohammad
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#54
2,4-Dinitrophenol
Concen: 93.957 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
184	100		
63	68.4	45.5	68.3#
154	66.8	49.1	73.7





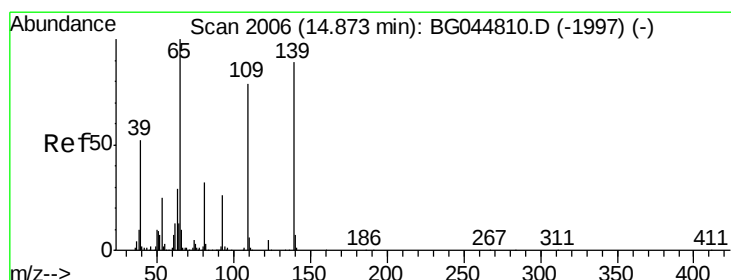
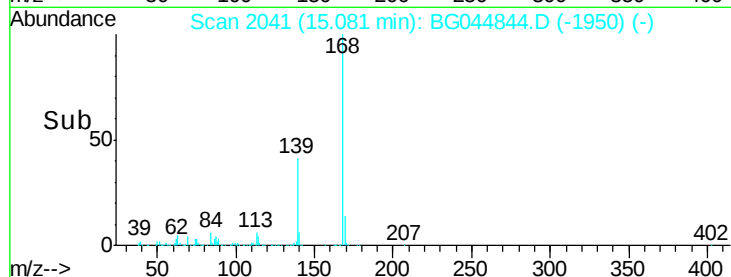
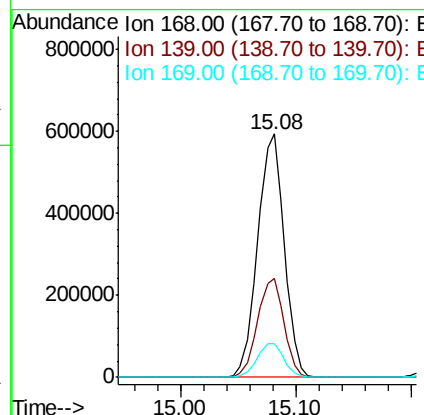
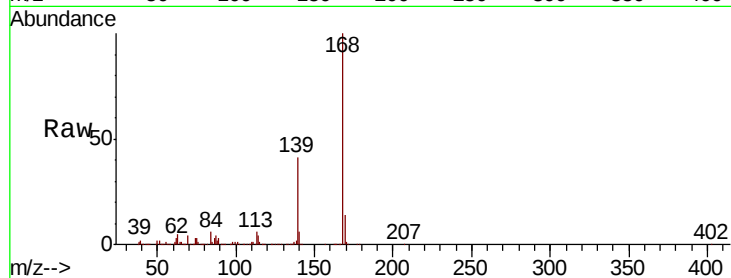
#55
Dibenzofuran
Concen: 47.923 ng
RT: 15.08 min Scan# 2041
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	40.7	31.4	47.0	
169	13.8	11.1	16.7	

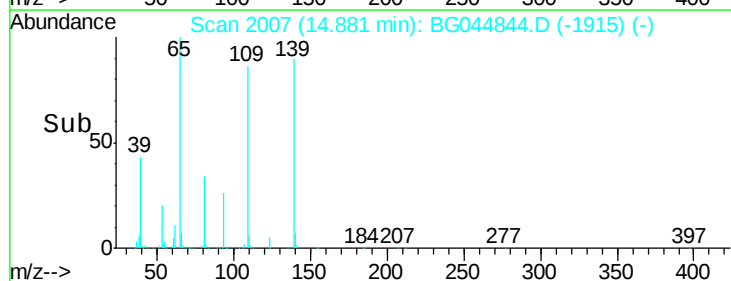
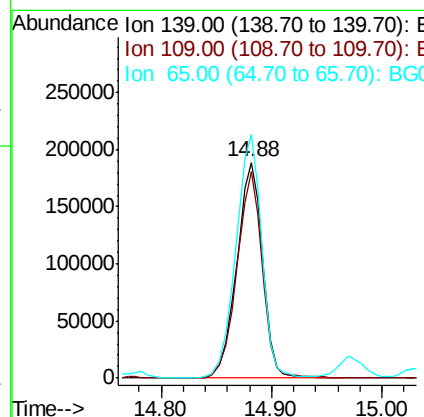
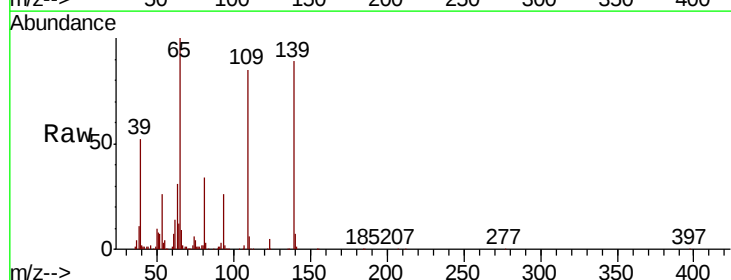
Manual Integrations
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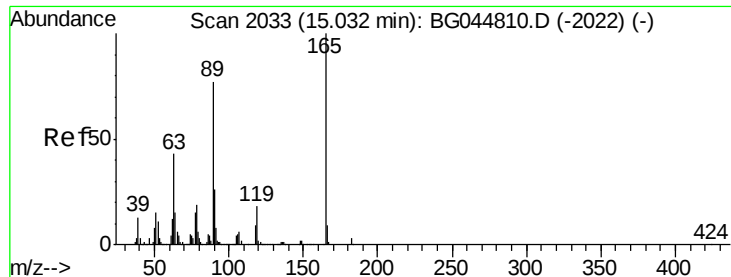
mohammad
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#56
4-Nitrophenol
Concen: 100.927 ng
RT: 14.88 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	95.7	68.8	108.8	
65	112.7	92.5	132.5	





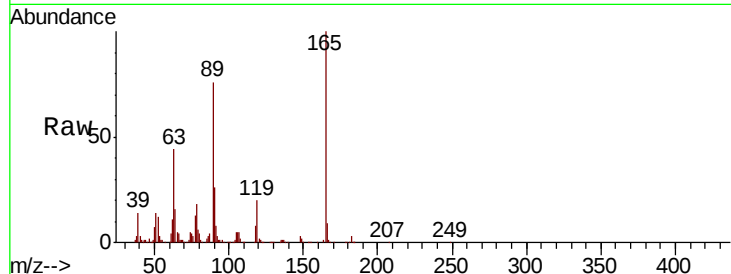
#57
2,4-Dinitrotoluene
Concen: 55.871 ng
RT: 15.03 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

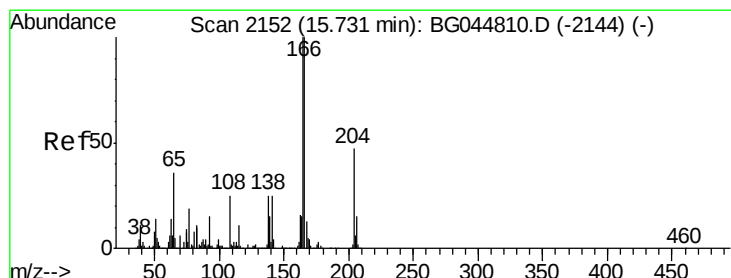
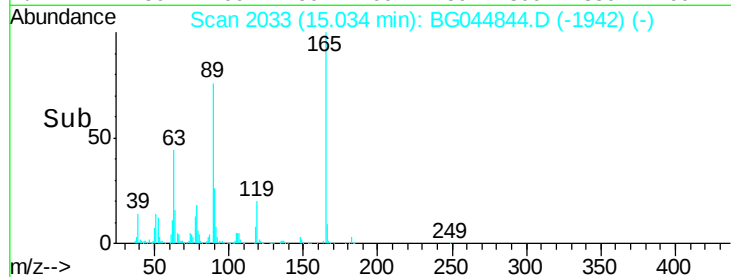
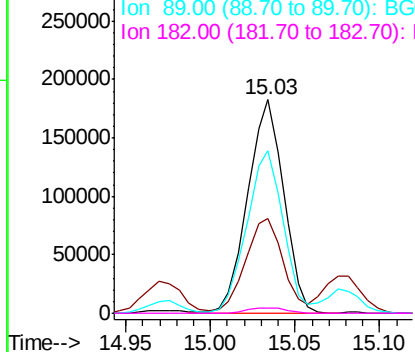
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		269076		
63	44.4		34.6	52.0	
89	76.0		61.3	91.9	
182	2.6		2.2	3.2	

Manual Integrations
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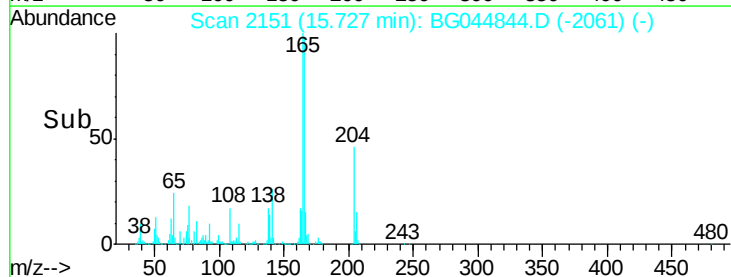
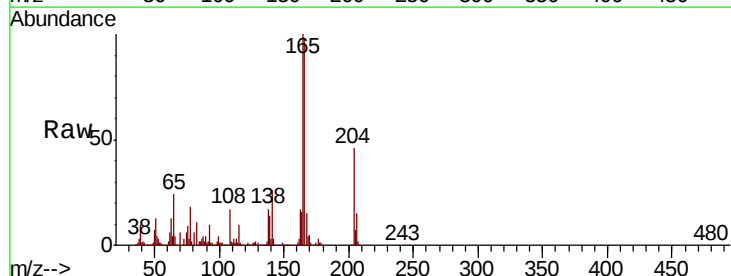
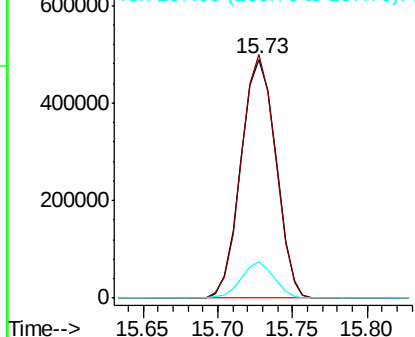
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

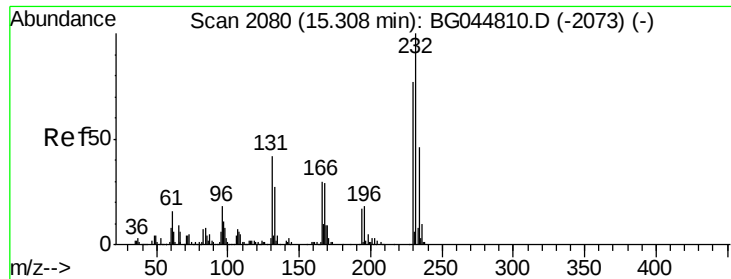


#58
Fluorene
Concen: 48.835 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		798106		
165	101.9		79.7	119.5	
167	15.0		10.6	16.0	

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 56.984 ng

RT: 15.30 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

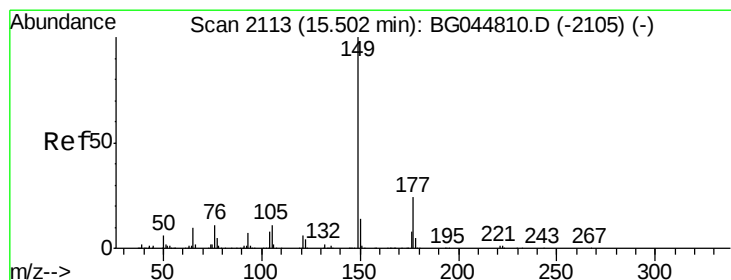
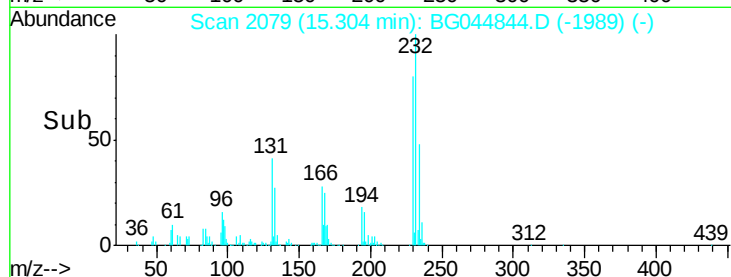
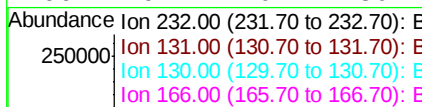
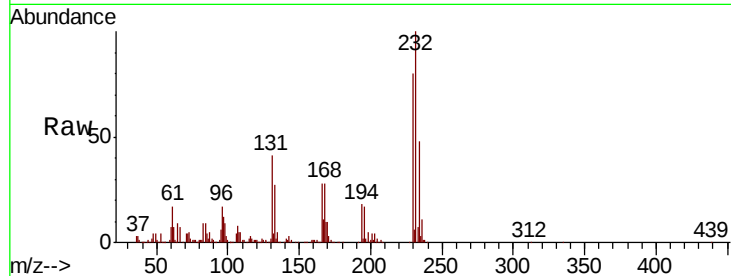
ClientSampleId :

P-2MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	260104		
131	41.2		31.8	47.8
130	2.4		2.2	3.2
166	29.2		20.2	30.2

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#60

Diethylphthalate

Concen: 47.649 ng

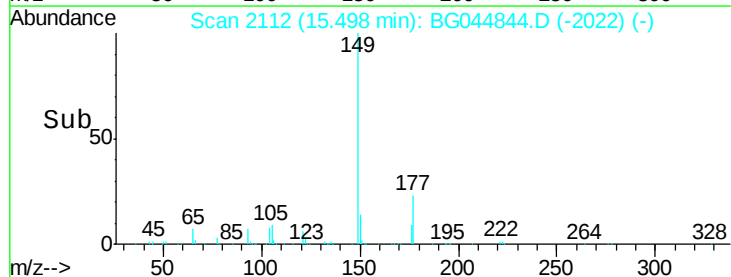
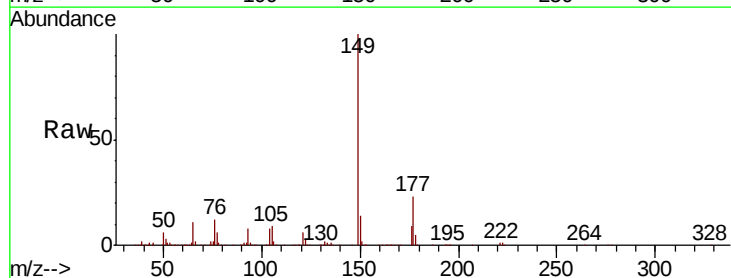
RT: 15.50 min Scan# 2112

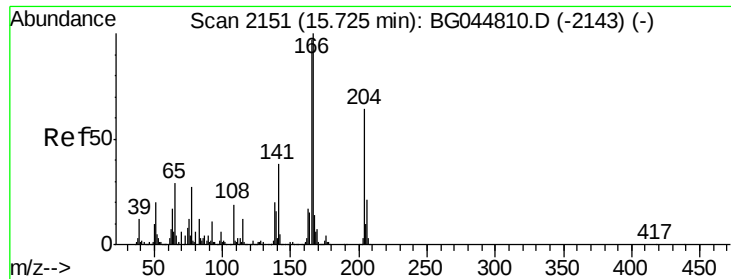
Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	865783		
177	23.4		19.3	28.9
150	13.8		11.0	16.6





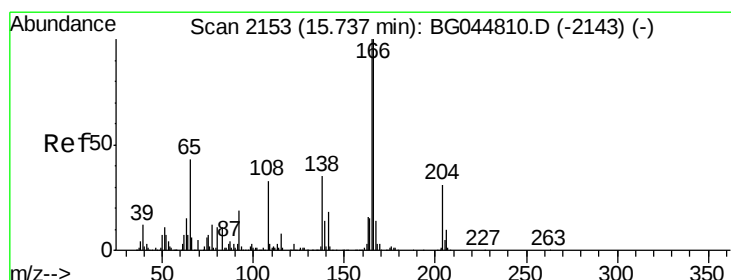
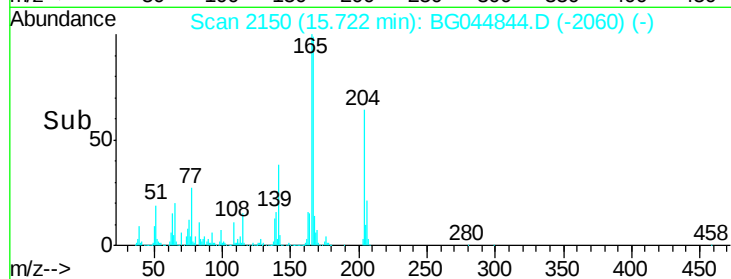
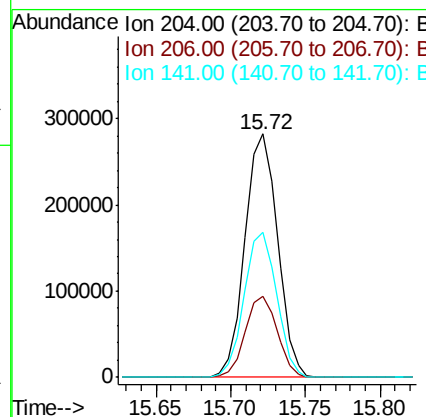
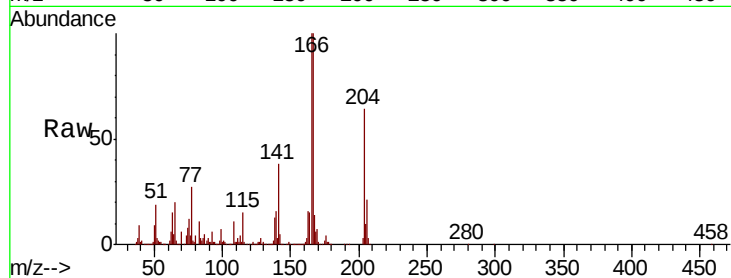
#61
4-Chlorophenyl-phenylether
Concen: 48.561 ng
RT: 15.72 min Scan# 2150
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	59.4	47.7	71.5

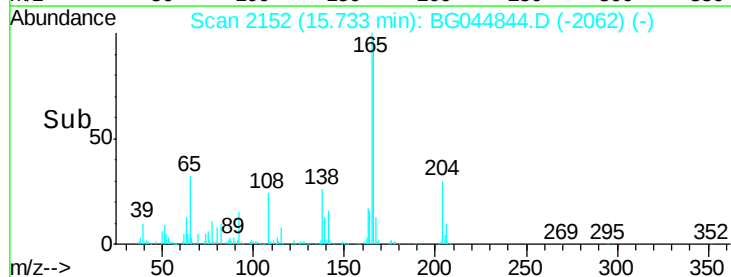
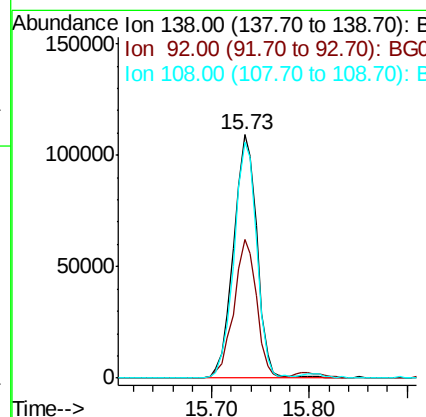
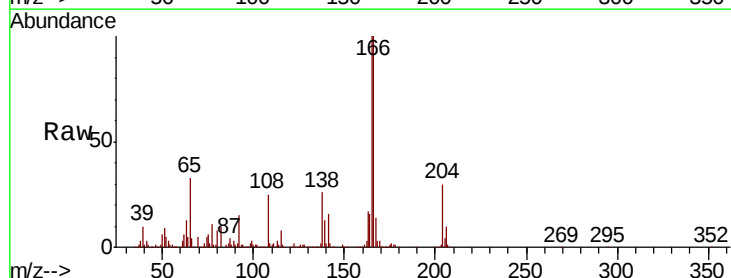
Manual Integrations
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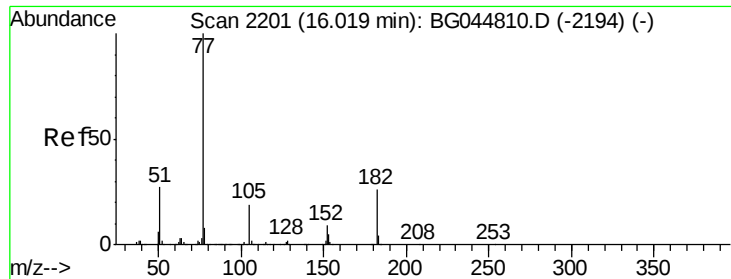
mohammad
3/18/2020 4:00:22 PM



#62
4-Nitroaniline
Concen: 42.222 ng
RT: 15.73 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.1	34.5	74.5
108	96.8	74.5	114.5





#63

Azobenzene

Concen: 45.574 ng

RT: 16.02 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

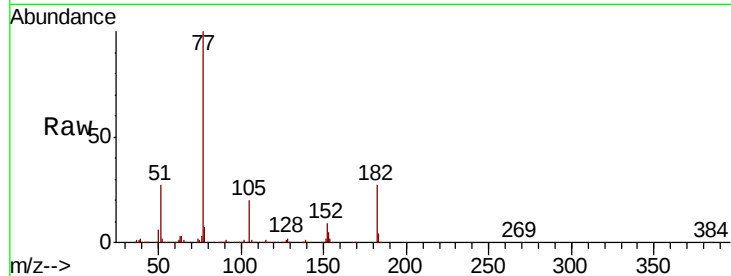
ClientSampleId :

P-2MS

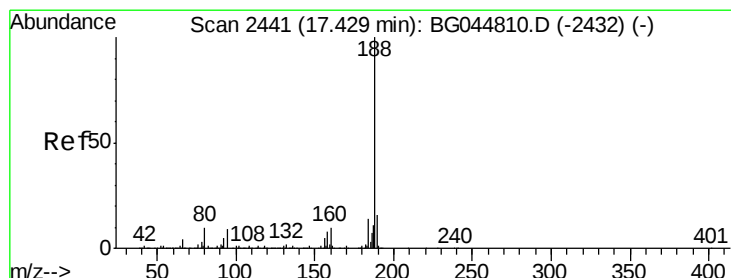
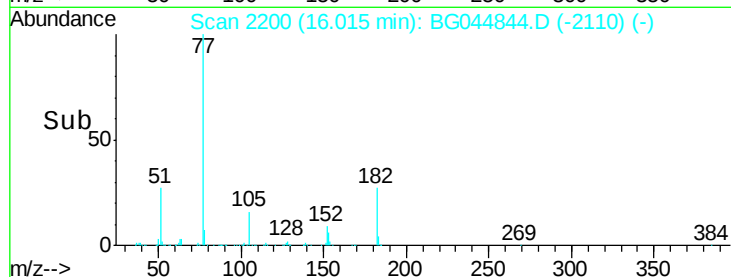
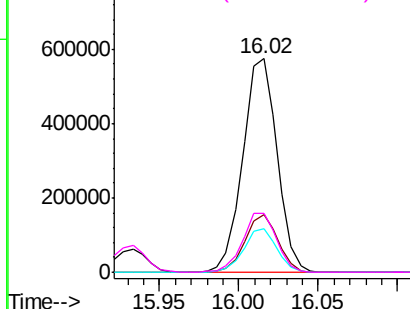
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	26.7	6.4	46.4	
105	20.4	0.0	39.1	
51	27.4	7.3	47.3	

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2440

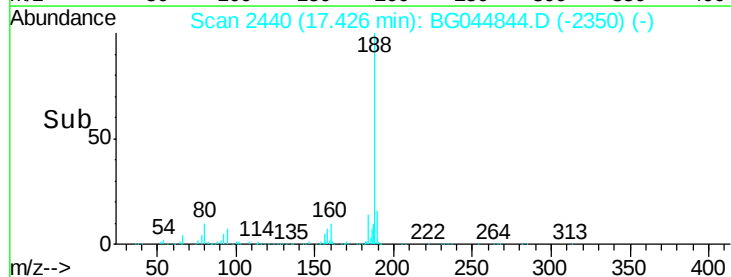
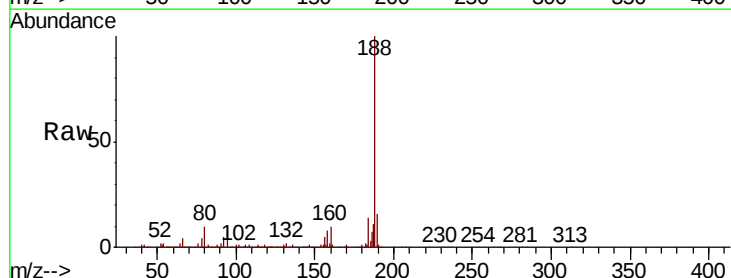
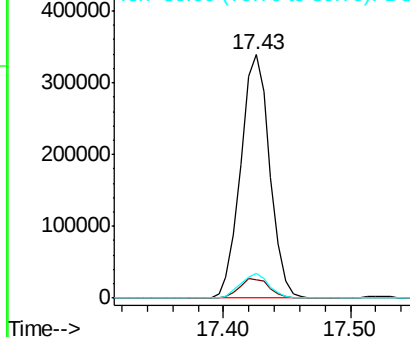
Delta R.T. -0.00 min

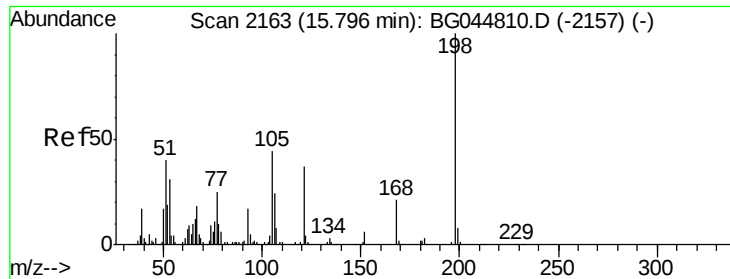
Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.7	7.3	10.9	
80	10.3	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: 54.016 ng

RT: 15.80 min Scan# 2163

Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampleId :

P-2MS

Tot Ion:198 Resp: 139754

Ion Ratio Lower Upper

198 100

51 39.6 21.1 61.1

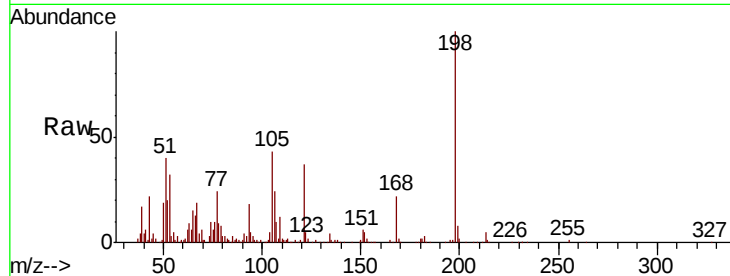
105 42.8 24.5 64.5

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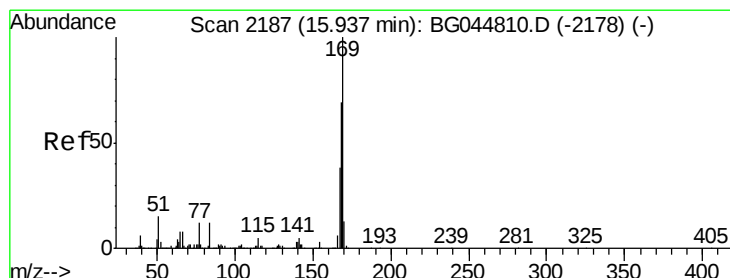
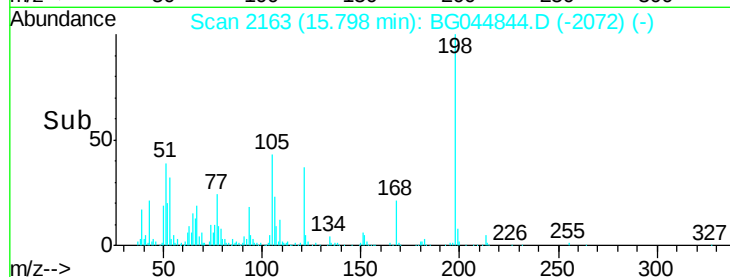
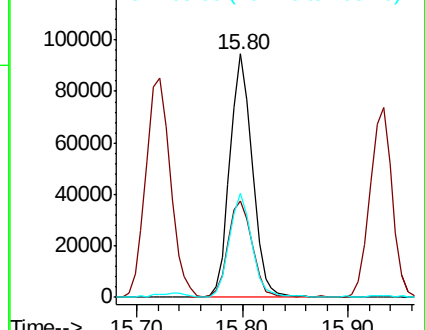
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.384 ng

RT: 15.93 min Scan# 2186

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

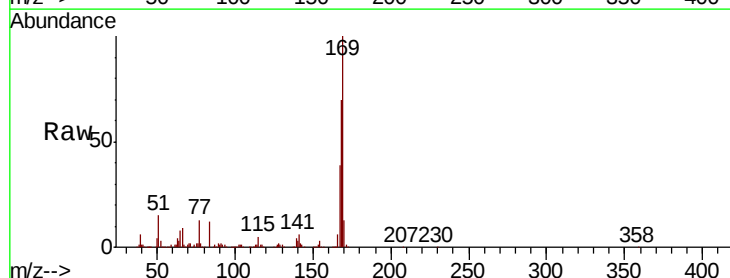
Tgt Ion:169 Resp: 735504

Ion Ratio Lower Upper

169 100

168 69.6 55.4 83.2

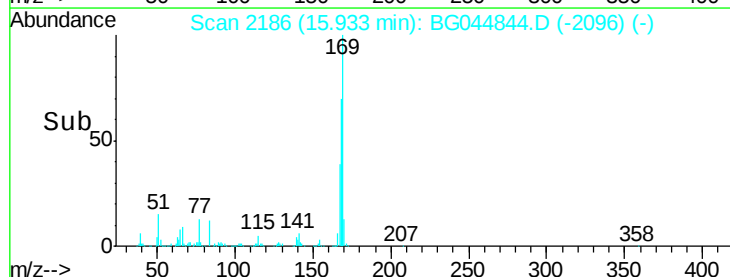
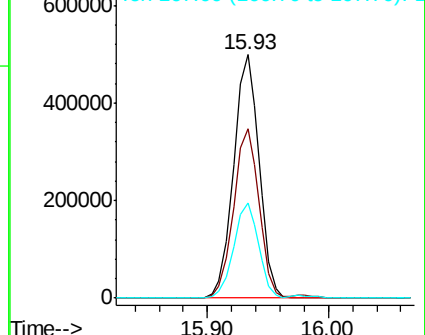
167 39.3 30.1 45.1

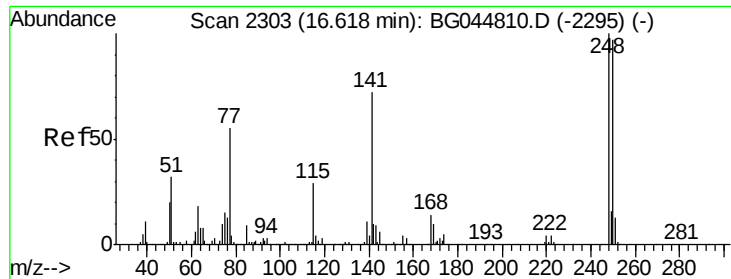


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





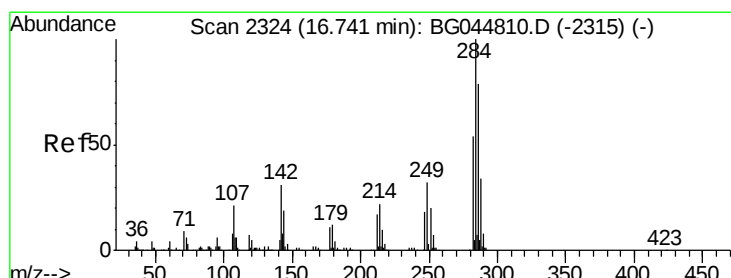
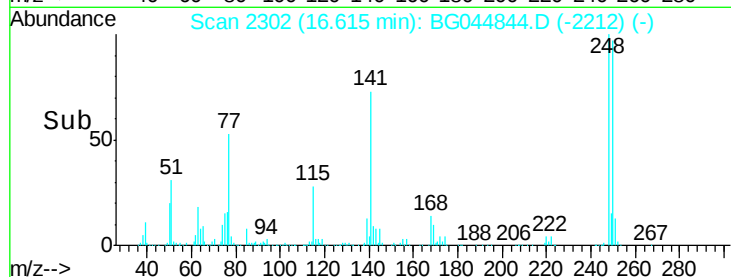
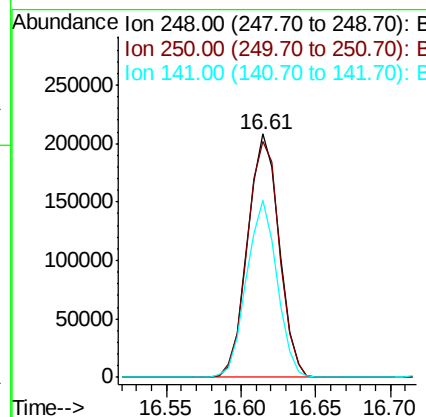
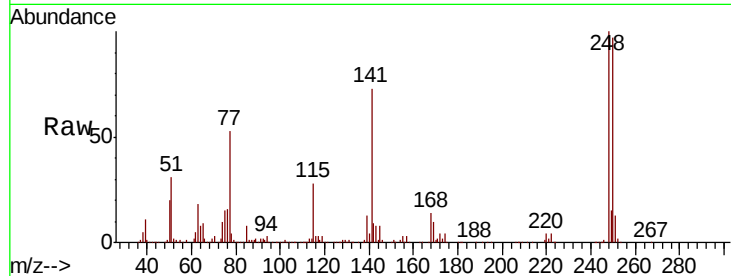
#67
4-Bromophenyl-phenylether
Concen: 44.938 ng
RT: 16.61 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.9	116.9
141	72.6	57.5	86.3

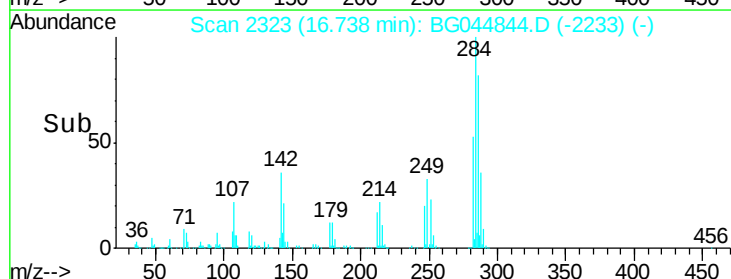
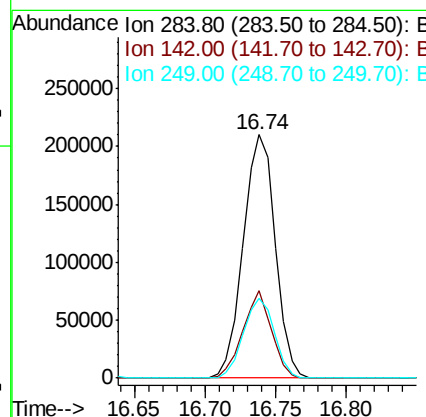
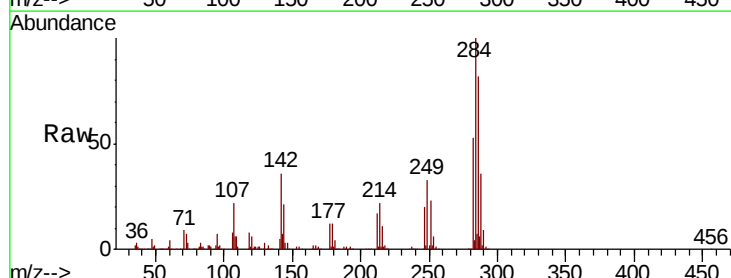
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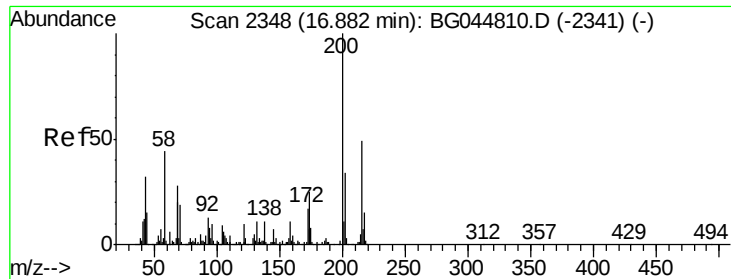
mohammad
3/18/2020 4:00:22 PM



#68
Hexachlorobenzene
Concen: 45.667 ng
RT: 16.74 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.0	25.0	37.6
249	32.9	25.8	38.8





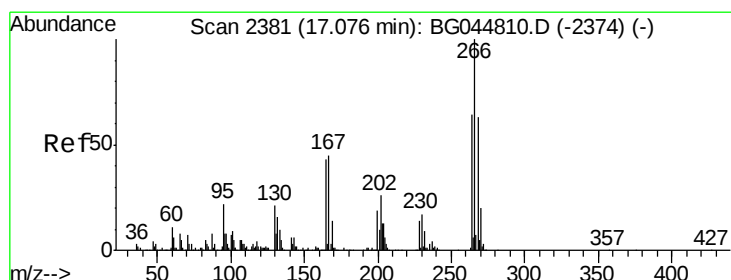
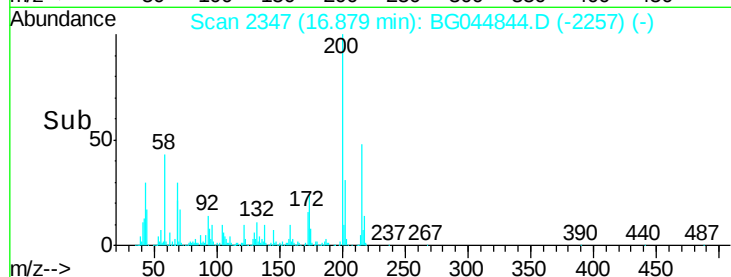
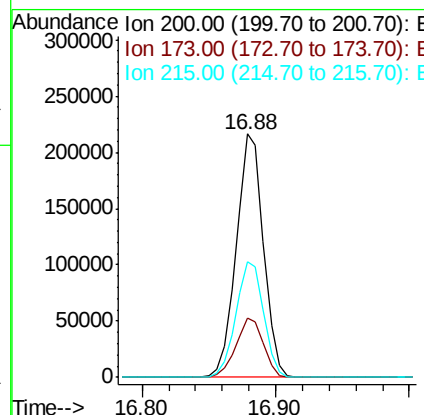
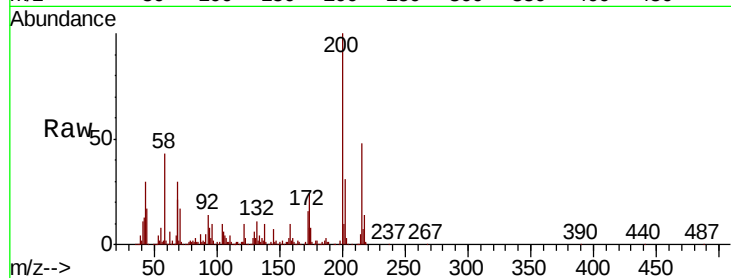
#69
Atrazine
Concen: 51.528 ng
RT: 16.88 min Scan# 2347
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.3	45.3
215	47.5	28.9	68.9

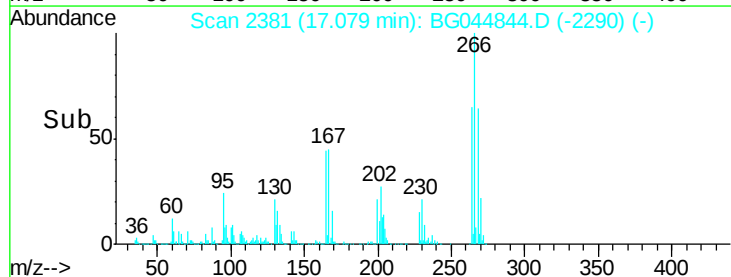
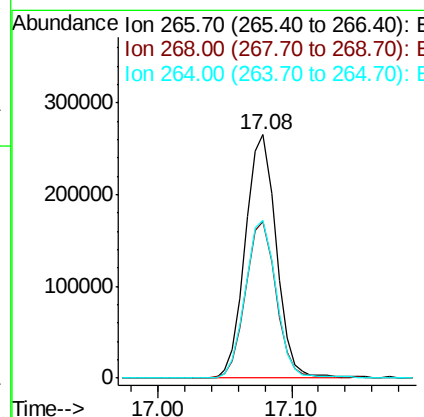
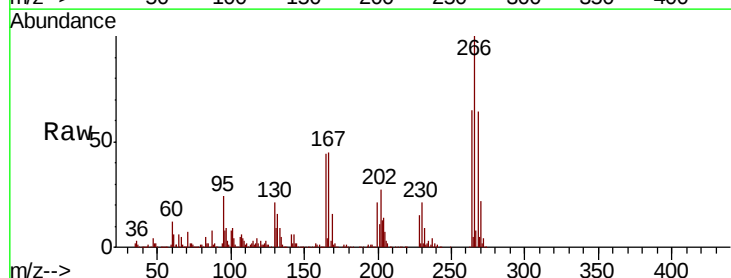
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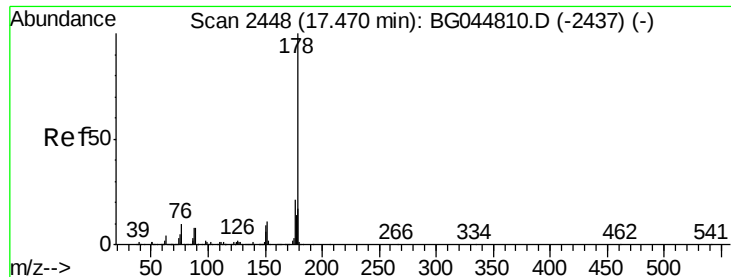
mohammad
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#70
Pentachlorophenol
Concen: 105.759 ng
RT: 17.08 min Scan# 2381
Delta R.T. 0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.3	75.5
264	65.0	51.4	77.2





#71

Phenanthrene

Concen: 46.815 ng

RT: 17.47 min Scan# 2447

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampleId :

P-2MS

Tot Ion:178 Resp: 1346667

Ion Ratio Lower Upper

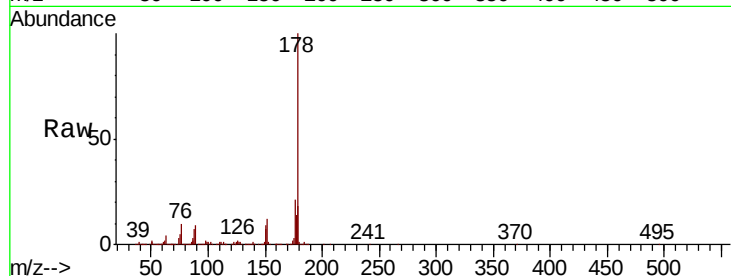
178 100

176 21.4 16.6 24.8

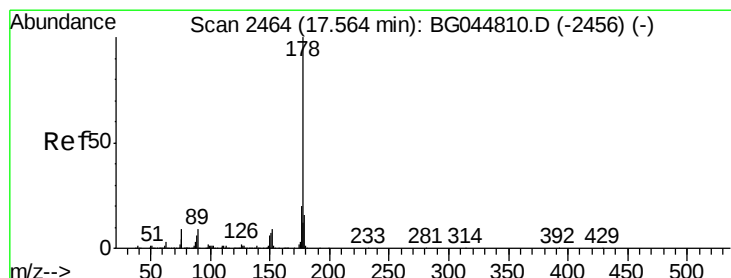
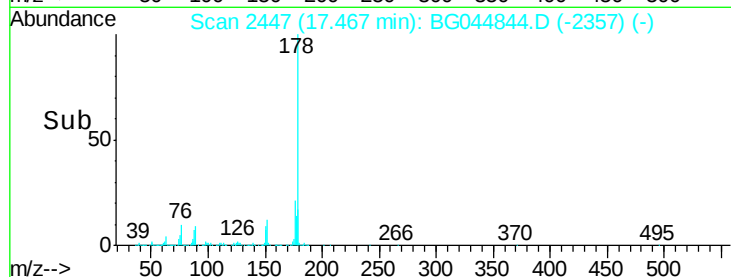
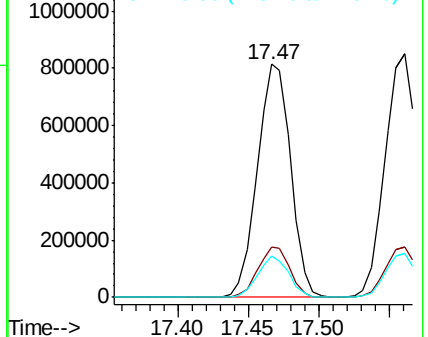
179 17.7 13.5 20.3

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



#72

Anthracene

Concen: 48.233 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

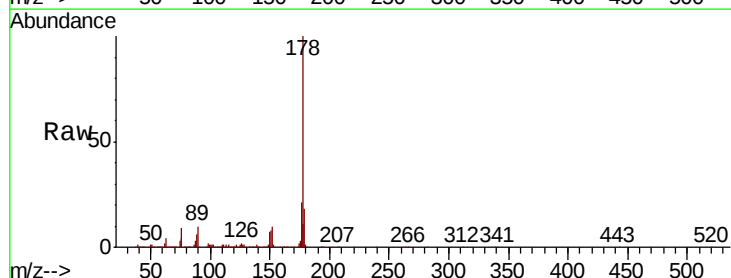
Tgt Ion:178 Resp: 1368111

Ion Ratio Lower Upper

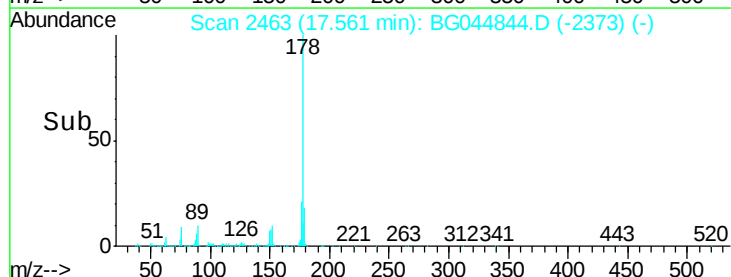
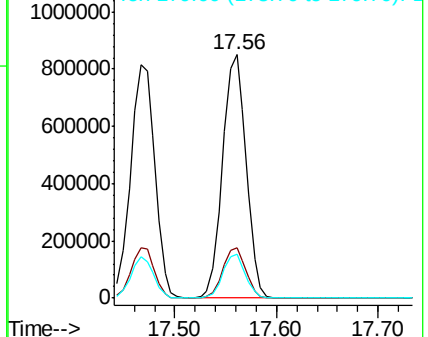
178 100

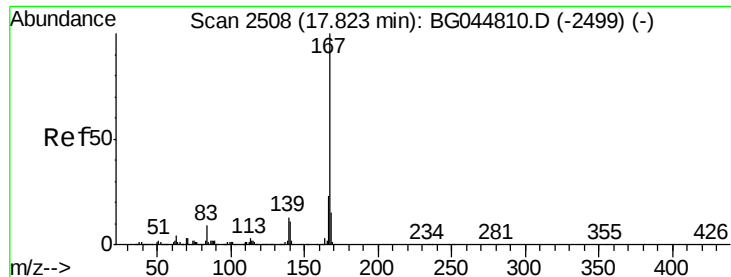
176 20.7 15.9 23.9

179 17.9 13.2 19.8



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





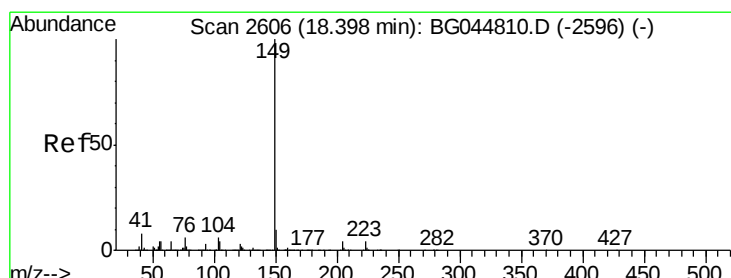
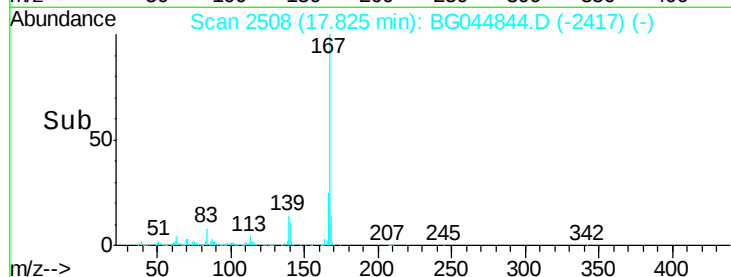
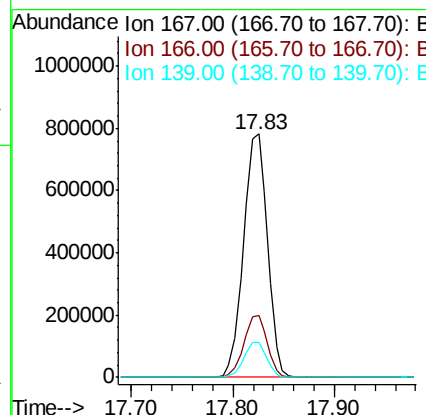
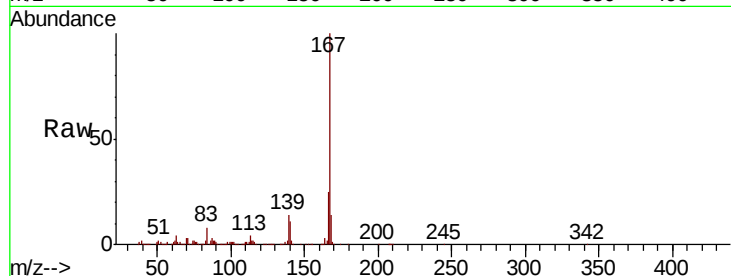
#73
 Carbazole
 Concen: 46.993 ng
 RT: 17.83 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Instrument :
 BNA_G
 ClientSampled :
 P-2MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.4	18.8	28.2
139	14.3	10.8	16.2

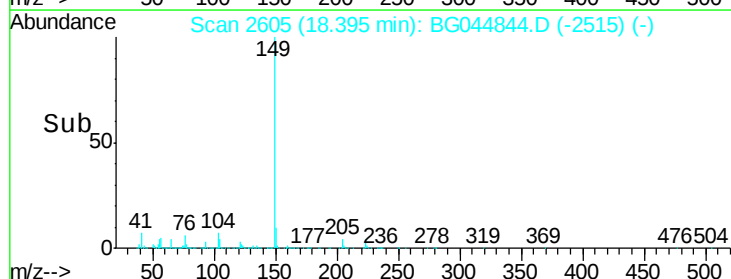
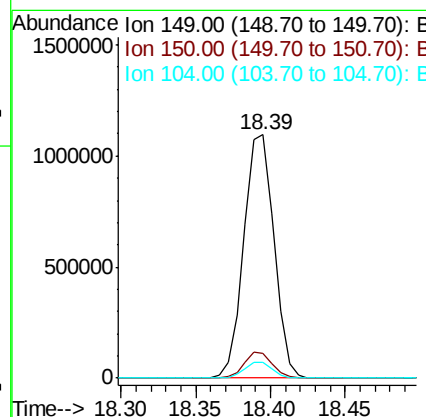
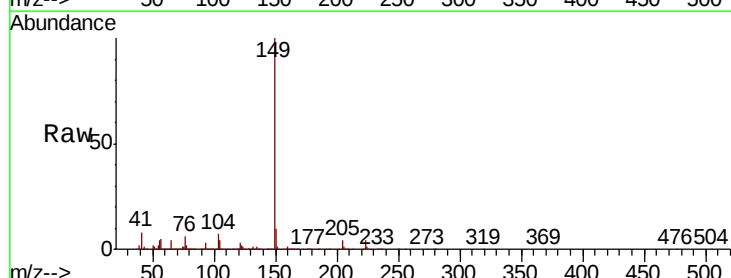
Manual Integrations
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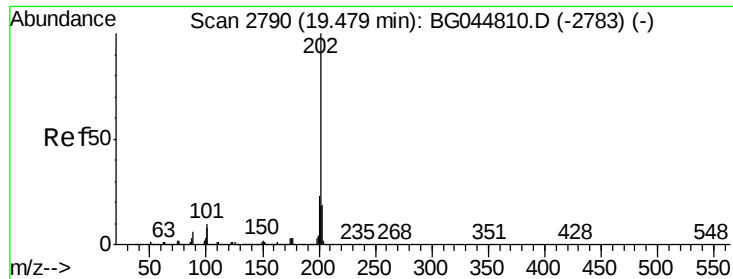
mohammad
 3/18/2020 4:00:22 PM



#74
 Di-n-butylphthalate
 Concen: 46.355 ng
 RT: 18.39 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: BG044844.D
 Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.1	12.1
104	6.7	5.0	7.4





#75

Fluoranthene

Concen: 46.982 ng

RT: 19.48 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

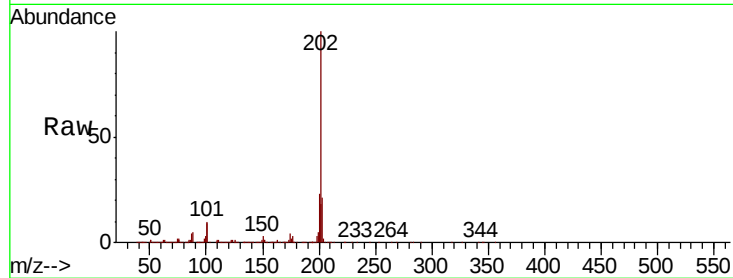
ClientSampled :

P-2MS

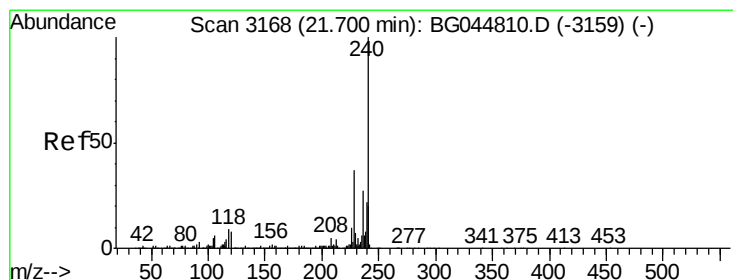
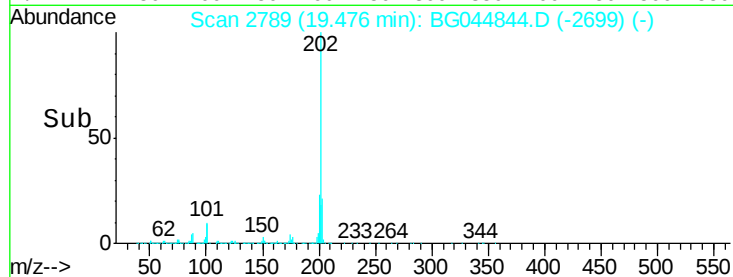
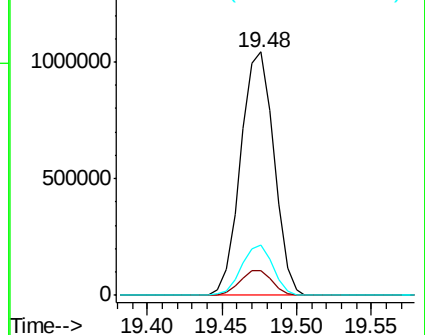
Tot Ion:	202	Resp:	1609153
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	29.8
203	20.6	0.0	39.4

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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

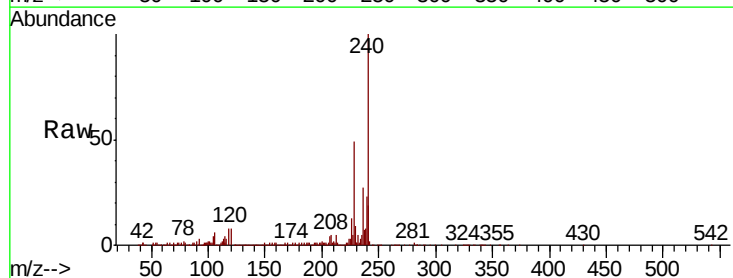
RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

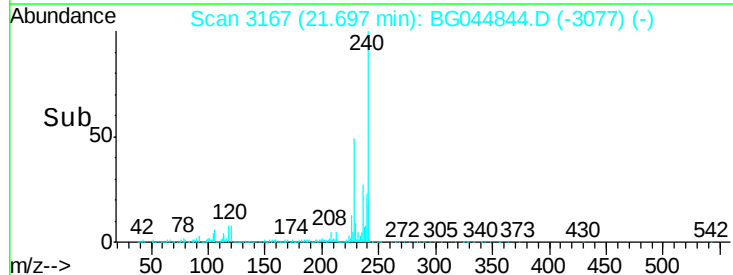
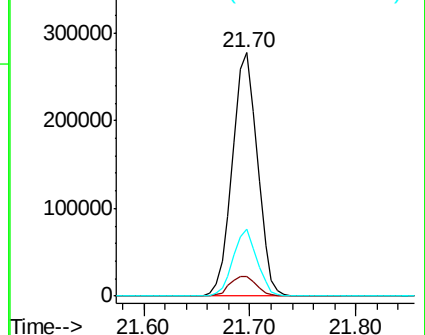
Lab File: BG044844.D

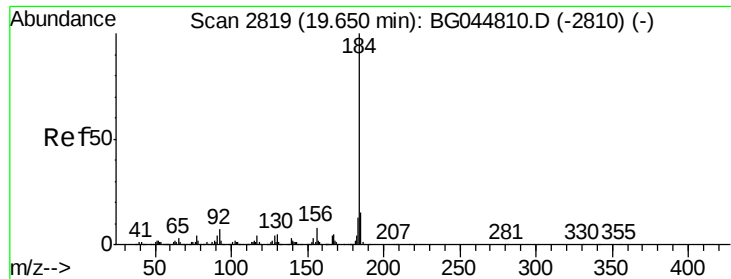
Acq: 17 Mar 2020 22:29

Tgt Ion:	240	Resp:	453374
Ion Ratio	Lower	Upper	
240	100		
120	8.3	6.7	10.1
236	27.4	21.5	32.3



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: 21.001 ng

RT: 19.65 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampled :

P-2MS

Tot Ion:184 Resp: 309099

Ion Ratio Lower Upper

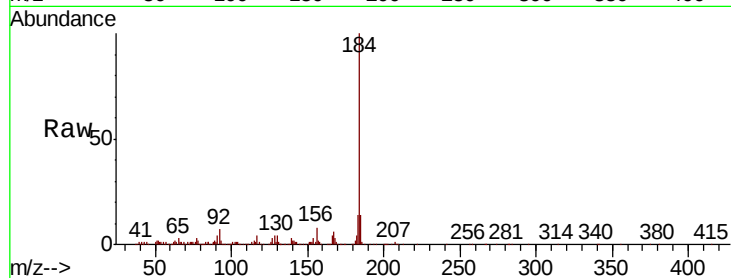
184 100

185 14.0 12.2 18.4

183 14.1 10.7 16.1

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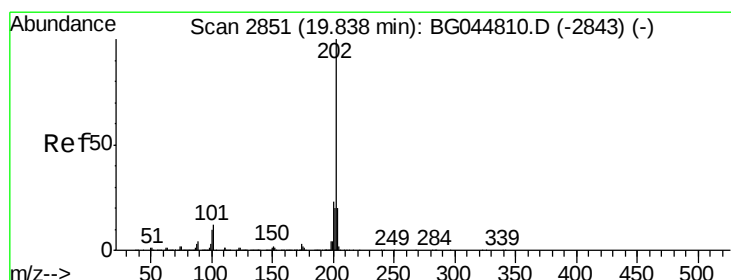
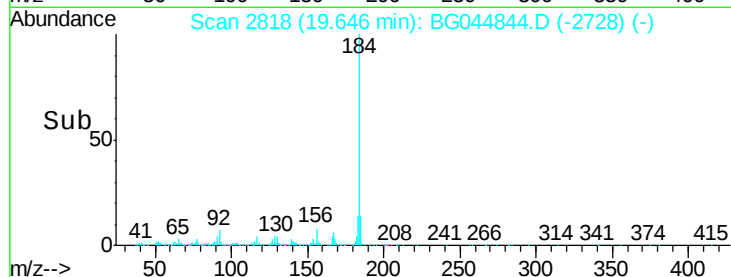
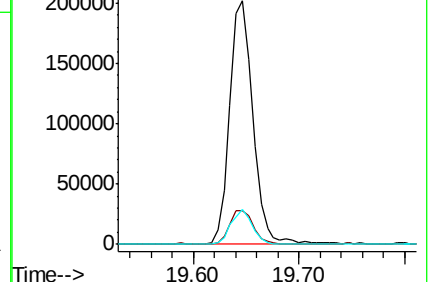
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 48.251 ng

RT: 19.83 min Scan# 2850

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

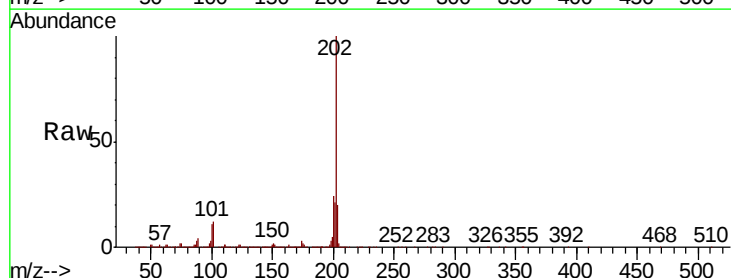
Tgt Ion:202 Resp: 1604953

Ion Ratio Lower Upper

202 100

200 24.2 18.3 27.5

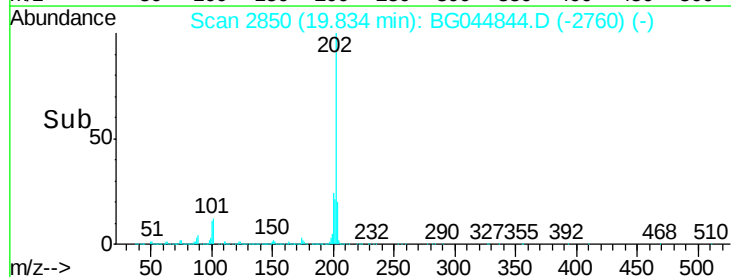
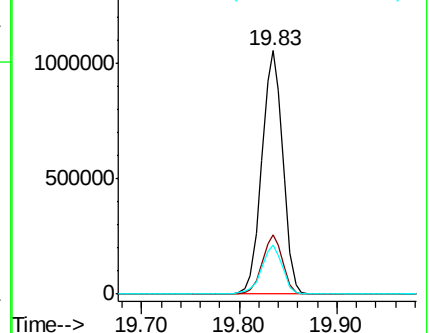
203 19.9 15.6 23.4

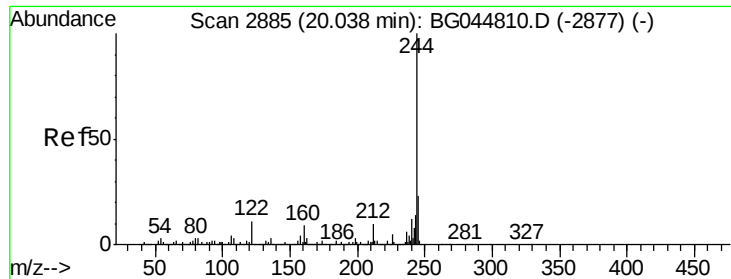


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 91.947 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampleId :

P-2MS

Tot Ion:244 Resp: 2228561

Ion Ratio Lower Upper

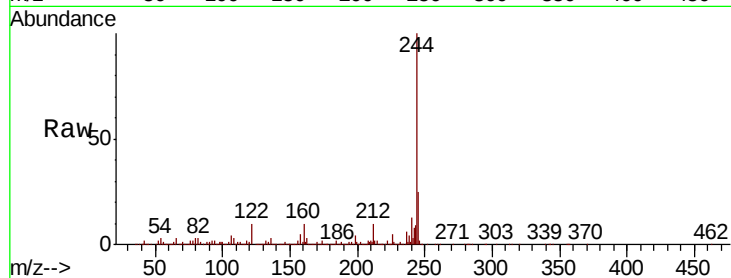
244 100

212 9.9 7.7 11.5

122 10.1 8.6 12.8

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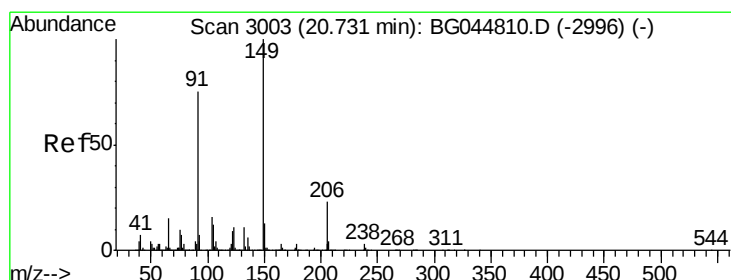
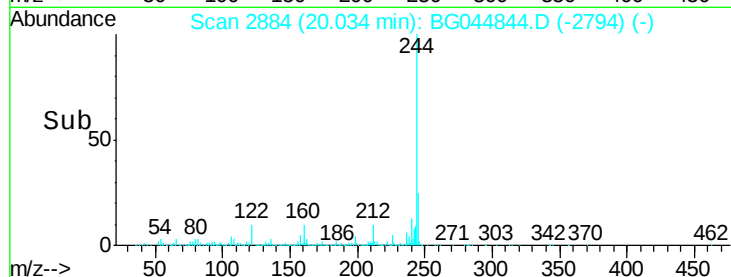
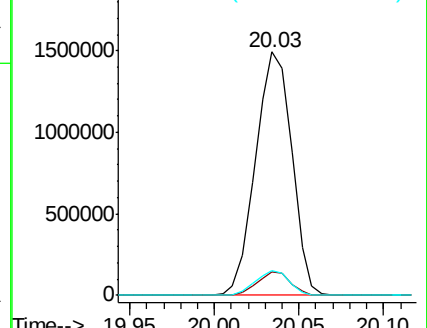
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 46.091 ng

RT: 20.73 min Scan# 3002

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

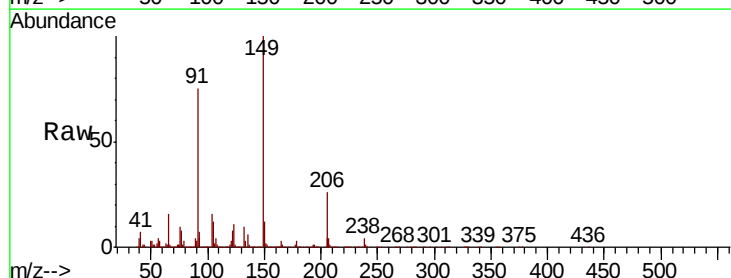
Tgt Ion:149 Resp: 682040

Ion Ratio Lower Upper

149 100

91 75.2 60.2 90.4

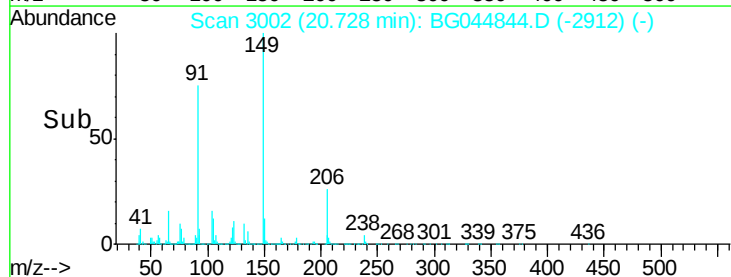
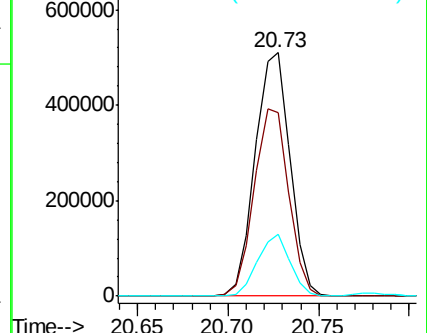
206 25.6 18.6 27.8

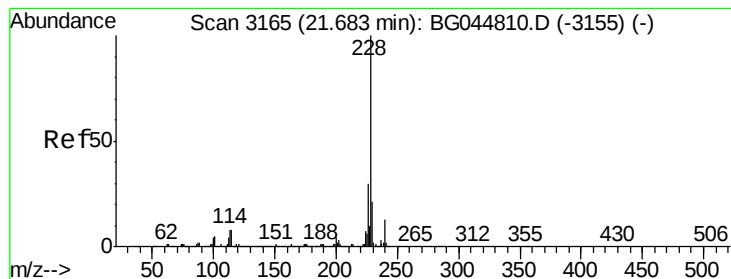


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.684 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampleId :

P-2MS

Tot Ion:228 Resp: 1556688

Ion Ratio Lower Upper

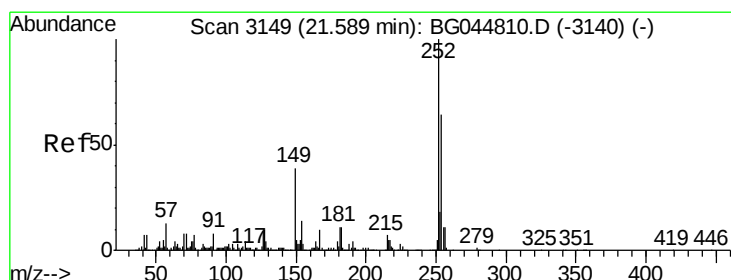
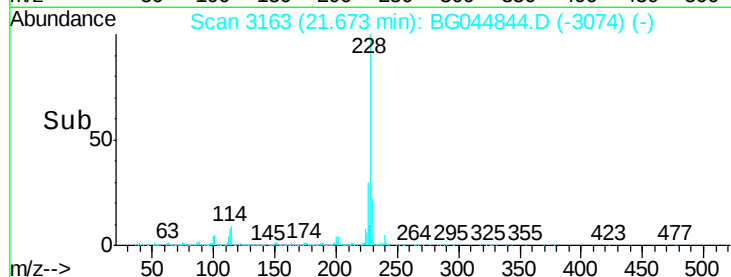
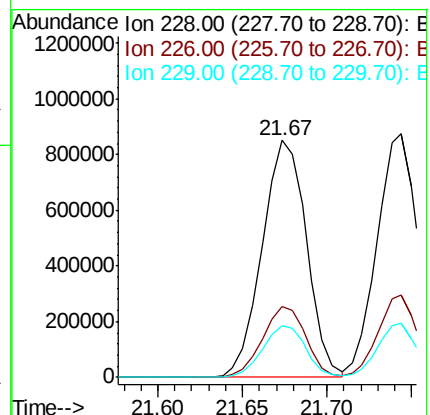
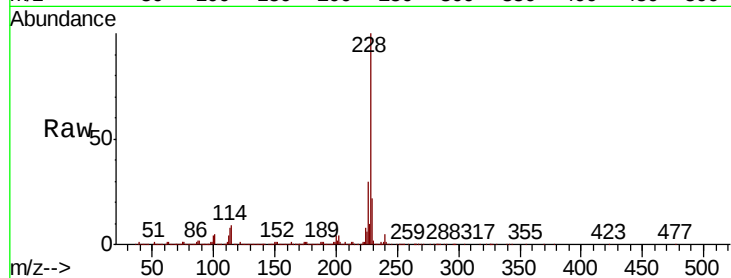
228 100

226 29.7 23.6 35.4

229 21.5 17.1 25.7

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 13.859 ng

RT: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

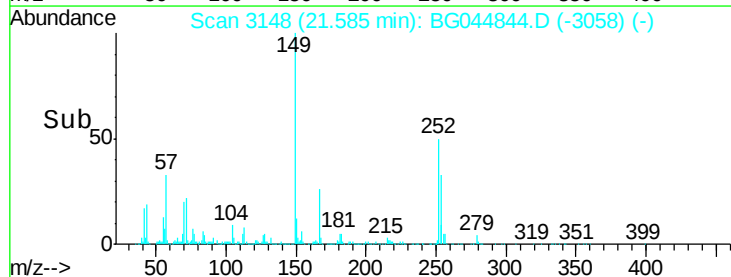
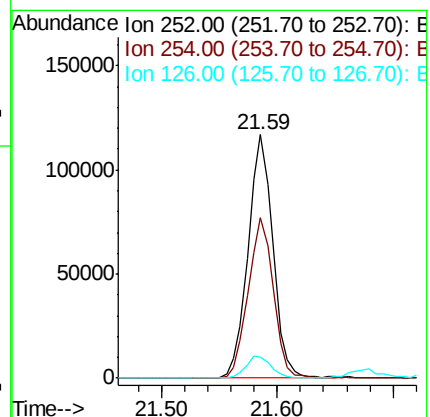
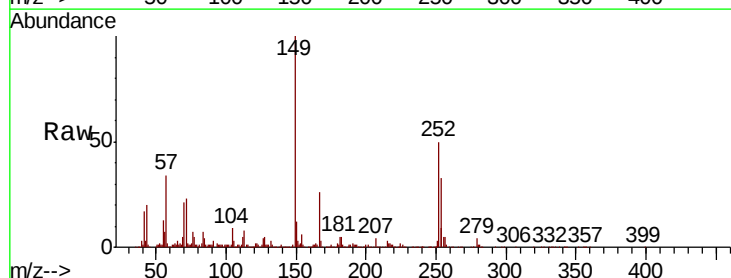
Tgt Ion:252 Resp: 175040

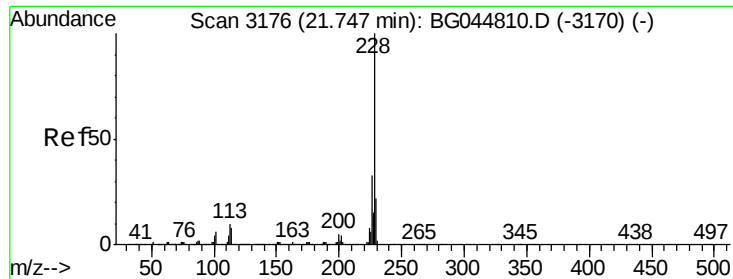
Ion Ratio Lower Upper

252 100

254 65.7 51.6 77.4

126 8.6 7.0 10.6





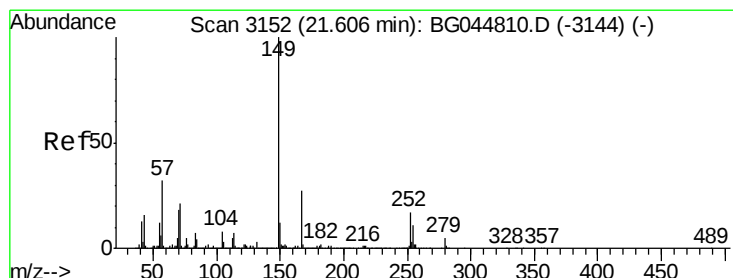
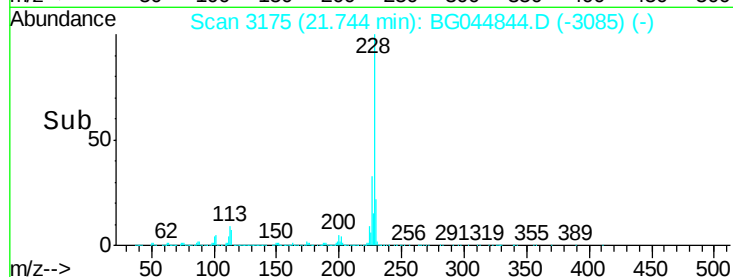
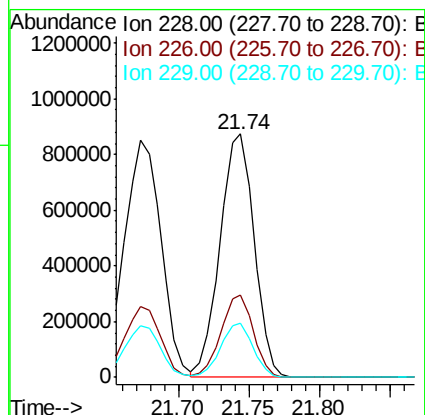
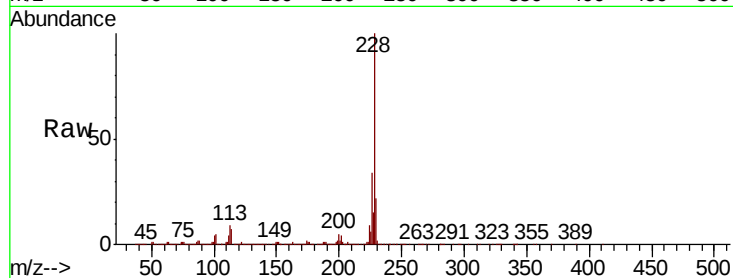
#83
Chrysene
Concen: 47.108 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampled :
P-2MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	25.9	38.9
229	22.1	17.4	26.0

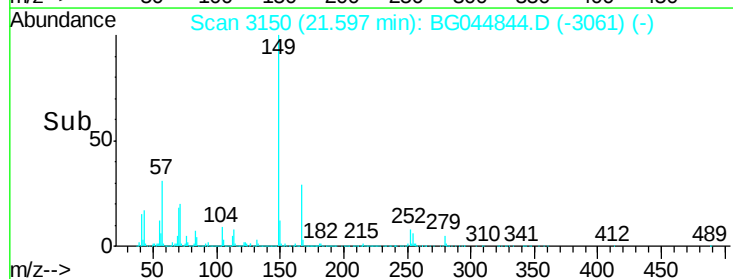
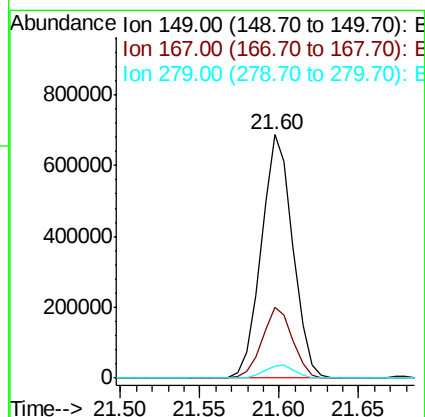
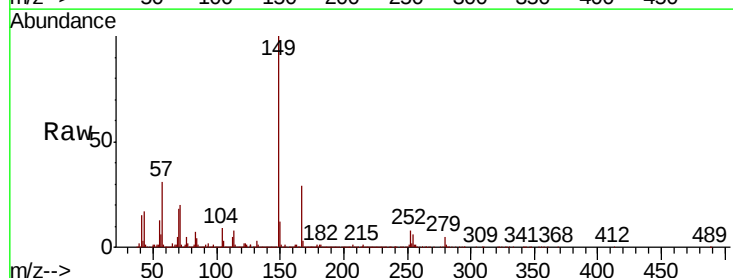
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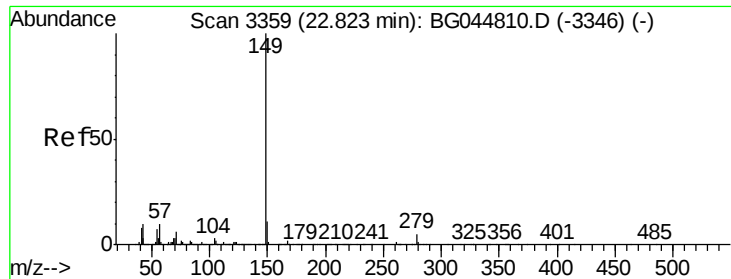
mohammad
3/18/2020 4:00:22 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 46.343 ng
RT: 21.60 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.8	32.6
279	5.0	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 47.144 ng

RT: 22.81 min Scan# 3357

Delta R.T. -0.01 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

ClientSampled :

P-2MS

Tot Ion:149 Resp: 1611158

Ion Ratio Lower Upper

149 100

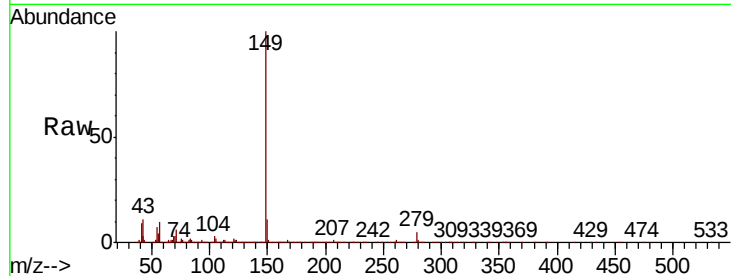
167 1.7 1.4 2.0

43 10.6 8.2 12.4

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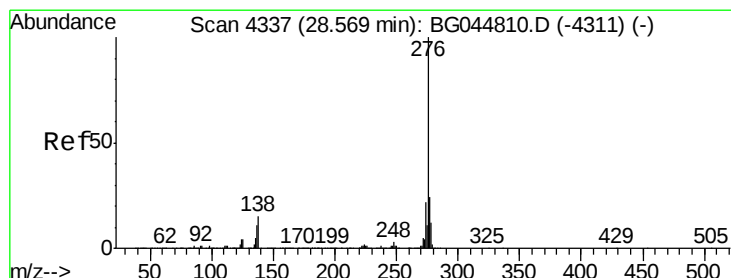
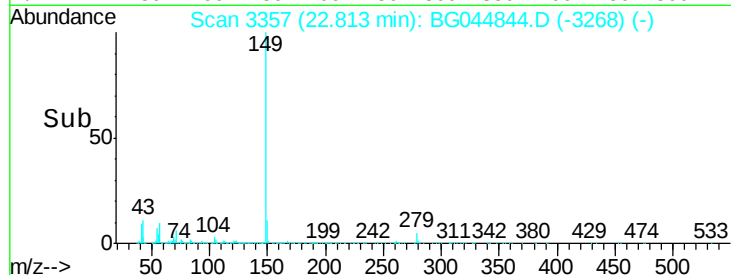
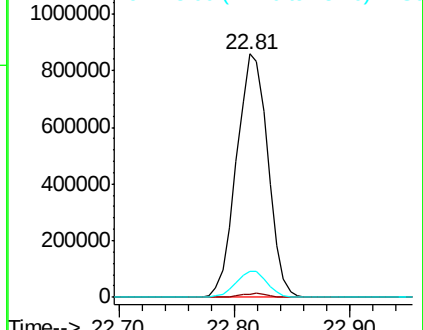
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 48.131 ng

RT: 28.57 min Scan# 4336

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:276 Resp: 1967778

Ion Ratio Lower Upper

276 100

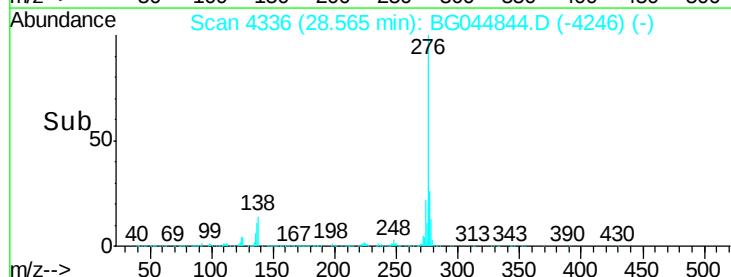
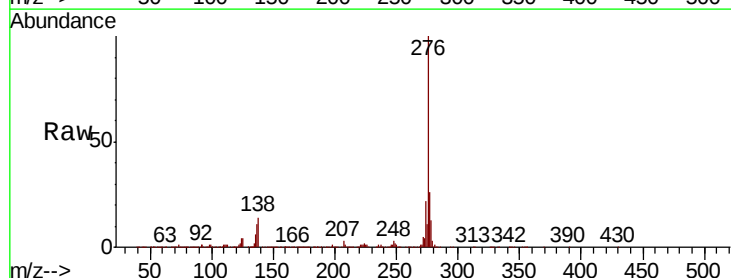
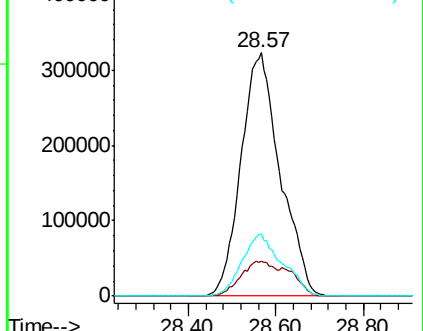
138 12.6 7.4 11.0#

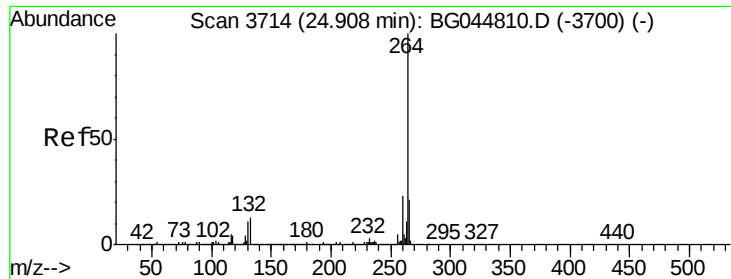
277 26.1 20.8 31.2

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.90 min Scan# 3713

Delta R.T. -0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Instrument :

BNA_G

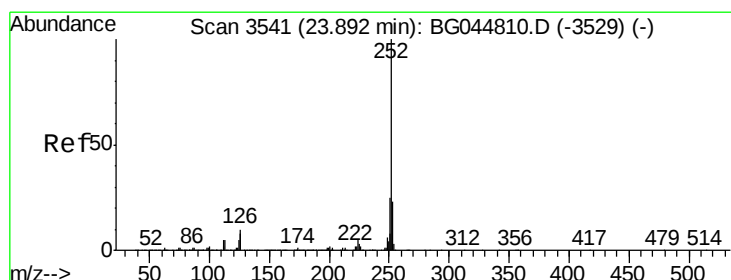
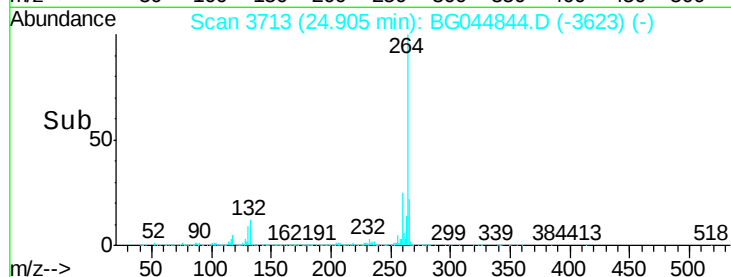
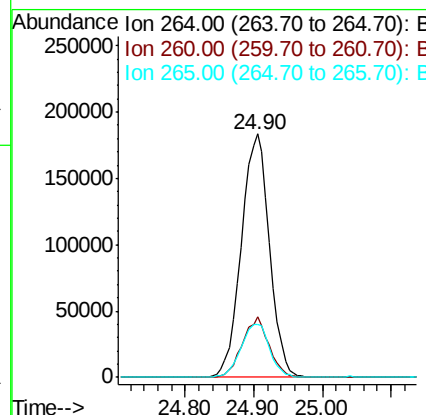
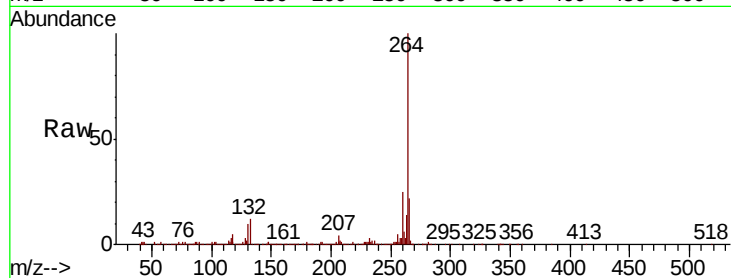
ClientSampleId :

P-2MS

Tot Ion:	264	Resp:	520609
Ion Ratio		Lower	Upper
264	100		
260	24.8	18.1	27.1
265	21.7	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 47.922 ng

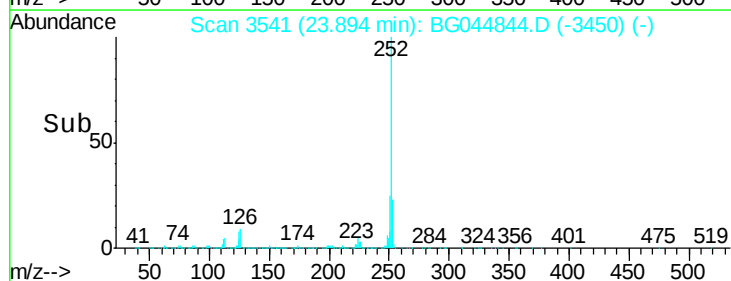
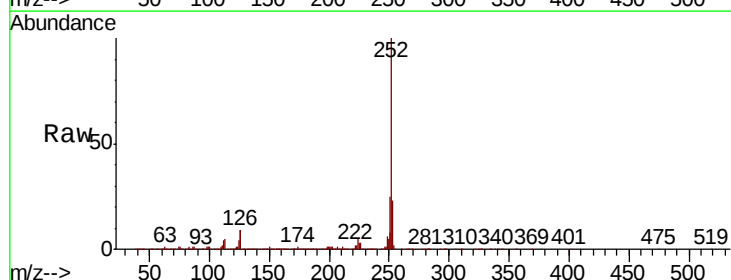
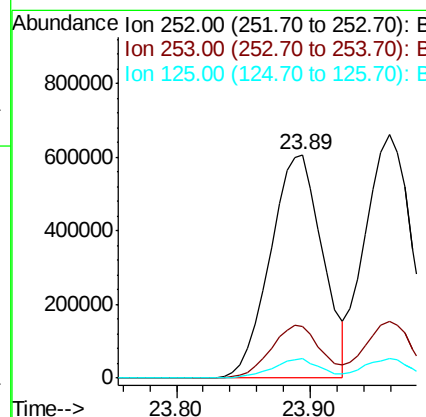
RT: 23.89 min Scan# 3541

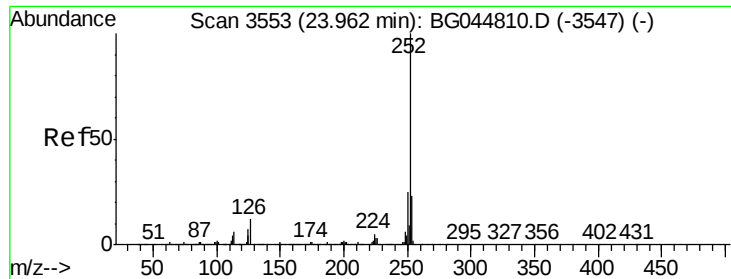
Delta R.T. 0.00 min

Lab File: BG044844.D

Acq: 17 Mar 2020 22:29

Tgt Ion:	252	Resp:	1647057
Ion Ratio		Lower	Upper
252	100		
253	22.9	18.1	27.1
125	8.5	6.6	9.8





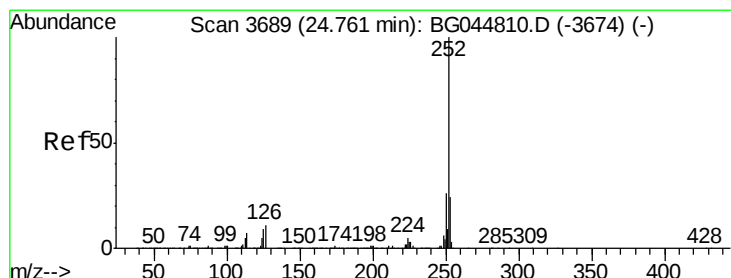
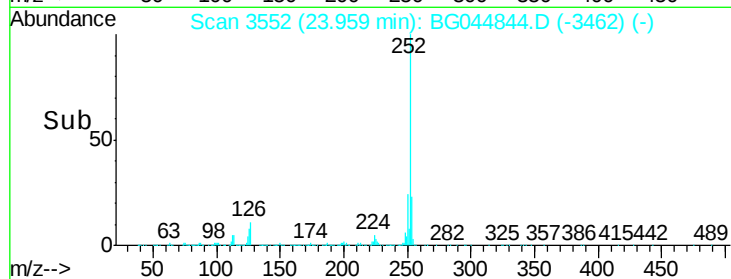
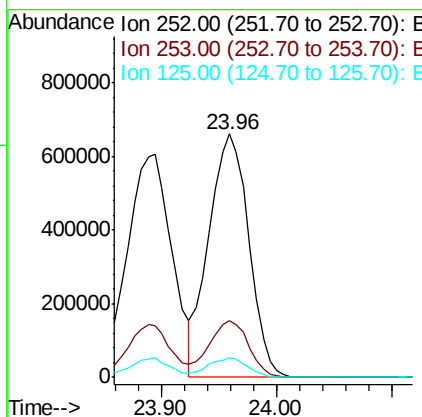
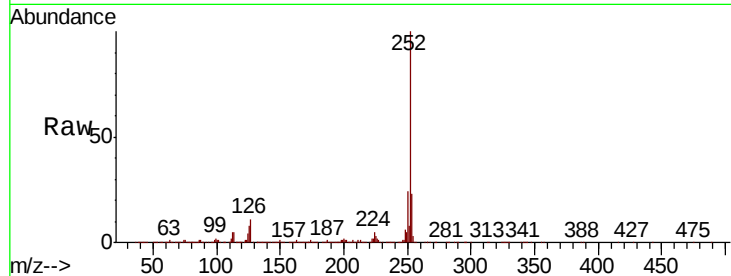
#89
Benzo(k)fluoranthene
Concen: 48.758 ng
RT: 23.96 min Scan# 3552
Delta R.T. -0.00 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.4	18.5	27.7	
125	7.8	6.2	9.2	

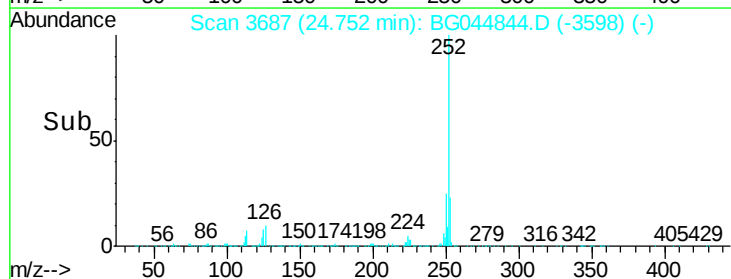
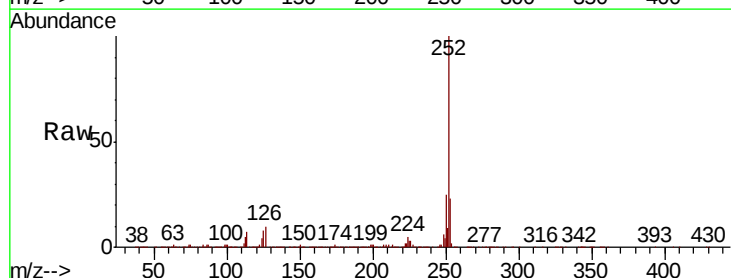
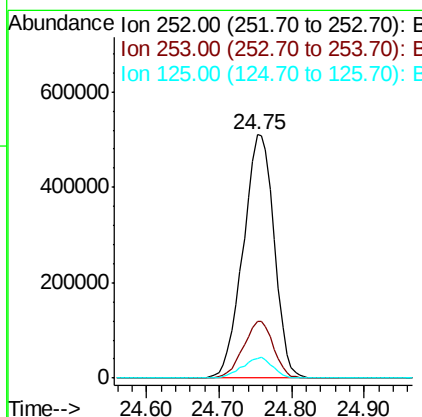
Manual Integrations
APPROVED

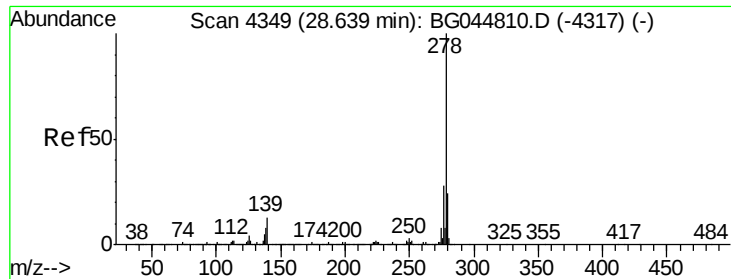
mohammad
3/18/2020 4:00:22 PM



#90
Benzo(a)pyrene
Concen: 46.849 ng
RT: 24.75 min Scan# 3687
Delta R.T. -0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.4	19.4	29.0	
125	7.9	7.2	10.8	





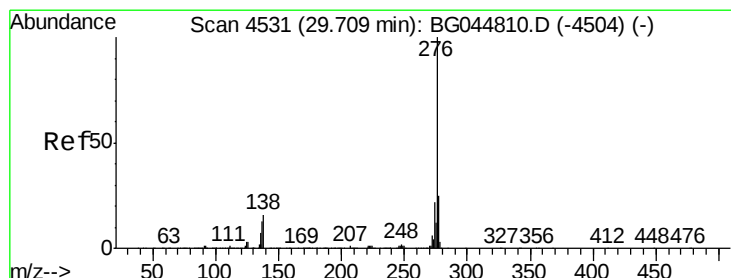
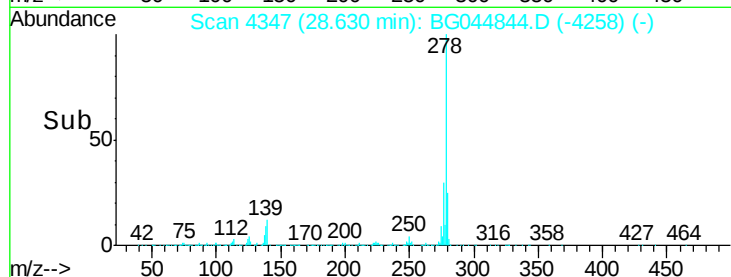
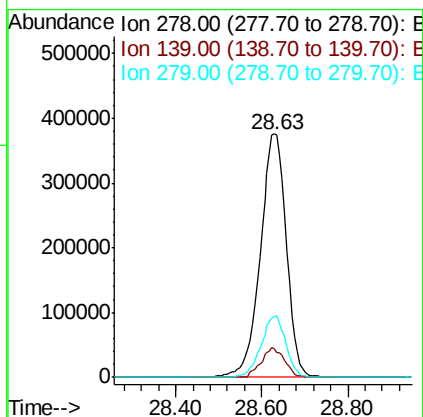
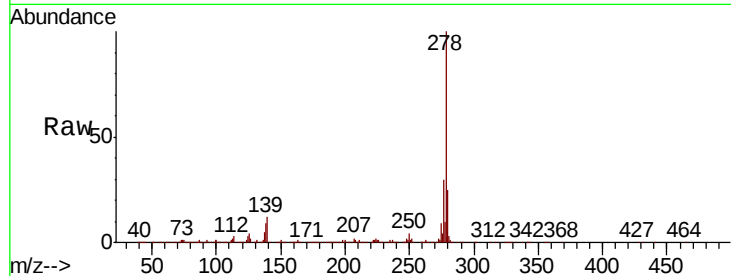
#91
Dibenzo(a,h)anthracene
Concen: 50.566 ng
RT: 28.63 min Scan# 4347
Delta R.T. -0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Instrument :
BNA_G
ClientSampleId :
P-2MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.6	10.2	15.2
279	25.1	18.9	28.3

Manual Integrations
APPROVED

mohammad
3/18/2020 4:00:22 PM



#92
Benzo(g,h,i)perylene
Concen: 51.119 ng
RT: 29.70 min Scan# 4529
Delta R.T. -0.01 min
Lab File: BG044844.D
Acq: 17 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	20.1	30.1
138	14.3	13.0	19.6

