

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG052120\
 Data File : BG045446.D
 Acq On : 21 May 2020 19:01
 Operator : CG/JU
 Sample : L2506-17MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

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Quant Time: May 21 19:48:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 14:43:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	65570	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	267578	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	203236	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	490377	20.00	ng	0.00
76) Chrysene-d12	21.62	240	464256	20.00	ng	0.00
87) Perylene-d12	24.77	264	510826	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	484643	144.45	ng	0.00
7) Phenol-d6	7.19	99	646231	135.32	ng	0.00
23) Nitrobenzene-d5	9.12	82	497088	101.30	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	419143	161.26	ng	0.00
45) 2-Fluorobiphenyl	13.23	172	1201591	100.28	ng	0.00
79) Terphenyl-d14	19.97	244	2119742	106.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.41	88	65651	39.459	ng	# 64
3) Pyridine	3.82	79	147947	31.928	ng	98
4) n-Nitrosodimethylamine	3.72	42	69976	46.149	ng	94
6) Aniline	7.29	93	257926	41.375	ng	97
8) 2-Chlorophenol	7.55	128	196632	53.442	ng	97
9) Benzaldehyde	7.10	77	135802	43.648	ng	95
10) Phenol	7.21	94	223607	45.433	ng	98
11) bis(2-Chloroethyl)ether	7.38	93	186463	48.571	ng	95
12) 1,3-Dichlorobenzene	7.85	146	200624	45.374	ng	97
13) 1,4-Dichlorobenzene	8.00	146	201498	46.178	ng	96
14) 1,2-Dichlorobenzene	8.32	146	193803	46.179	ng	98
15) Benzyl Alcohol	8.21	79	212726	53.924	ng	95
16) 2,2'-oxybis(1-Chloropropan	8.49	45	167503	45.966	ng	99
17) 2-Methylphenol	8.45	107	177089	48.072	ng	98
18) Hexachloroethane	9.05	117	76867	45.995	ng	94
19) n-Nitroso-di-n-propylamine	8.77	70	174305	52.784	ng	96
20) 3+4-Methylphenols	8.78	107	233216m	46.490	ng	
22) Acetophenone	8.78	105	323087	50.945	ng	# 93
24) Nitrobenzene	9.16	77	255282	48.559	ng	96
25) Isophorone	9.69	82	497309	51.463	ng	98
26) 2-Nitrophenol	9.88	139	114701	51.003	ng	94
27) 2,4-Dimethylphenol	9.97	122	196671	58.962	ng	96
28) bis(2-Chloroethoxy)methane	10.17	93	267659	52.815	ng	98
29) 2,4-Dichlorophenol	10.45	162	215211	54.638	ng	97
30) 1,2,4-Trichlorobenzene	10.63	180	229905	49.396	ng	97
31) Naphthalene	10.82	128	624546	50.088	ng	99
32) Benzoic acid	10.16	122	120345	51.995	ng	96
33) 4-Chloroaniline	10.94	127	159407	30.584	ng	95
34) Hexachlorobutadiene	11.11	225	151617	46.084	ng	99
35) Caprolactam	11.70	113	65241m	45.126	ng	
36) 4-Chloro-3-methylphenol	12.10	107	252757	56.947	ng	93
37) 2-Methylnaphthalene	12.43	142	491370	52.872	ng	97
38) 1-Methylnaphthalene	12.65	142	469996m	53.537	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	281943	49.667	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	359008	109.571	nq	99
43) 2,4,6-Trichlorophenol	13.06	196	203915	51.711	nq	97
44) 2,4,5-Trichlorophenol	13.15	196	220612	48.957	nq	97
46) 1,1'-Biphenyl	13.44	154	648950	51.966	nq	99
47) 2-Chloronaphthalene	13.48	162	491941	48.512	nq	98
48) 2-Nitroaniline	13.69	65	164714	49.379	nq	# 84
49) Acenaphthylene	14.33	152	844329	51.836	nq	99
50) Dimethylphthalate	14.06	163	714205	51.227	nq	98
51) 2,6-Dinitrotoluene	14.18	165	164325	52.233	nq	96
52) Acenaphthene	14.67	154	496920	45.576	nq	98
53) 3-Nitroaniline	14.52	138	123084	38.487	nq	# 95
54) 2,4-Dinitrophenol	14.72	184	212080	101.347	nq	97
55) Dibenzofuran	15.01	168	819722	50.627	nq	97
56) 4-Nitrophenol	14.89	139	226908	93.716	nq	93
57) 2,4-Dinitrotoluene	14.97	165	238916	52.437	nq	99
58) Fluorene	15.66	166	690483	51.908	nq	95
59) 2,3,4,6-Tetrachlorophenol	15.25	232	206310	52.039	nq	96
60) Diethylphthalate	15.43	149	739743	50.978	nq	99
61) 4-Chlorophenyl-phenylether	15.65	204	384555	50.520	nq	99
62) 4-Nitroaniline	15.69	138	173852	52.073	nq	89
63) Azobenzene	15.94	77	689897	50.987	nq	98
65) 4,6-Dinitro-2-methylphenol	15.74	198	152360	53.348	nq	93
66) n-Nitrosodiphenylamine	15.87	169	619413	52.609	nq	95
67) 4-Bromophenyl-phenylether	16.54	248	271092	51.053	nq	96
68) Hexachlorobenzene	16.67	284	293427	52.834	nq	97
69) Atrazine	16.82	200	238654	49.212	nq	98
70) Pentachlorophenol	17.02	266	322120	111.702	nq	97
71) Phenanthrene	17.40	178	1118011	52.225	nq	100
72) Anthracene	17.49	178	1145097	53.265	nq	98
73) Carbazole	17.76	167	1054144	50.304	nq	100
74) Di-n-butylphthalate	18.32	149	1266753	50.364	nq	99
75) Fluoranthene	19.41	202	1404894	51.595	nq	99
77) Benzidine	19.59	184	118707	9.104	nq	99
78) Pyrene	19.77	202	1398380	52.840	nq	99
80) Butylbenzylphthalate	20.65	149	571113	49.997	nq	100
81) Benzo(a)anthracene	21.59	228	1346722	52.073	nq	100
82) 3,3'-Dichlorobenzidine	21.51	252	463414	45.680	nq	99
83) Chrysene	21.66	228	1279456	51.451	nq	98
84) Bis(2-ethylhexyl)phthalate	21.51	149	783984	49.928	nq	99
85) Di-n-octyl phthalate	22.70	149	1342704	49.787	nq	99
86) Indeno(1,2,3-cd)pyrene	28.34	276	1702986	52.370	nq	98
88) Benzo(b)fluoranthene	23.77	252	1443091	52.675	nq	98
89) Benzo(k)fluoranthene	23.84	252	1389963	54.004	nq	99
90) Benzo(a)pyrene	24.62	252	1321493	51.793	nq	97
91) Dibenzo(a,h)anthracene	28.41	278	1384847	54.011	nq	100
92) Benzo(g,h,i)perylene	29.47	276	1421258	55.425	nq	99

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

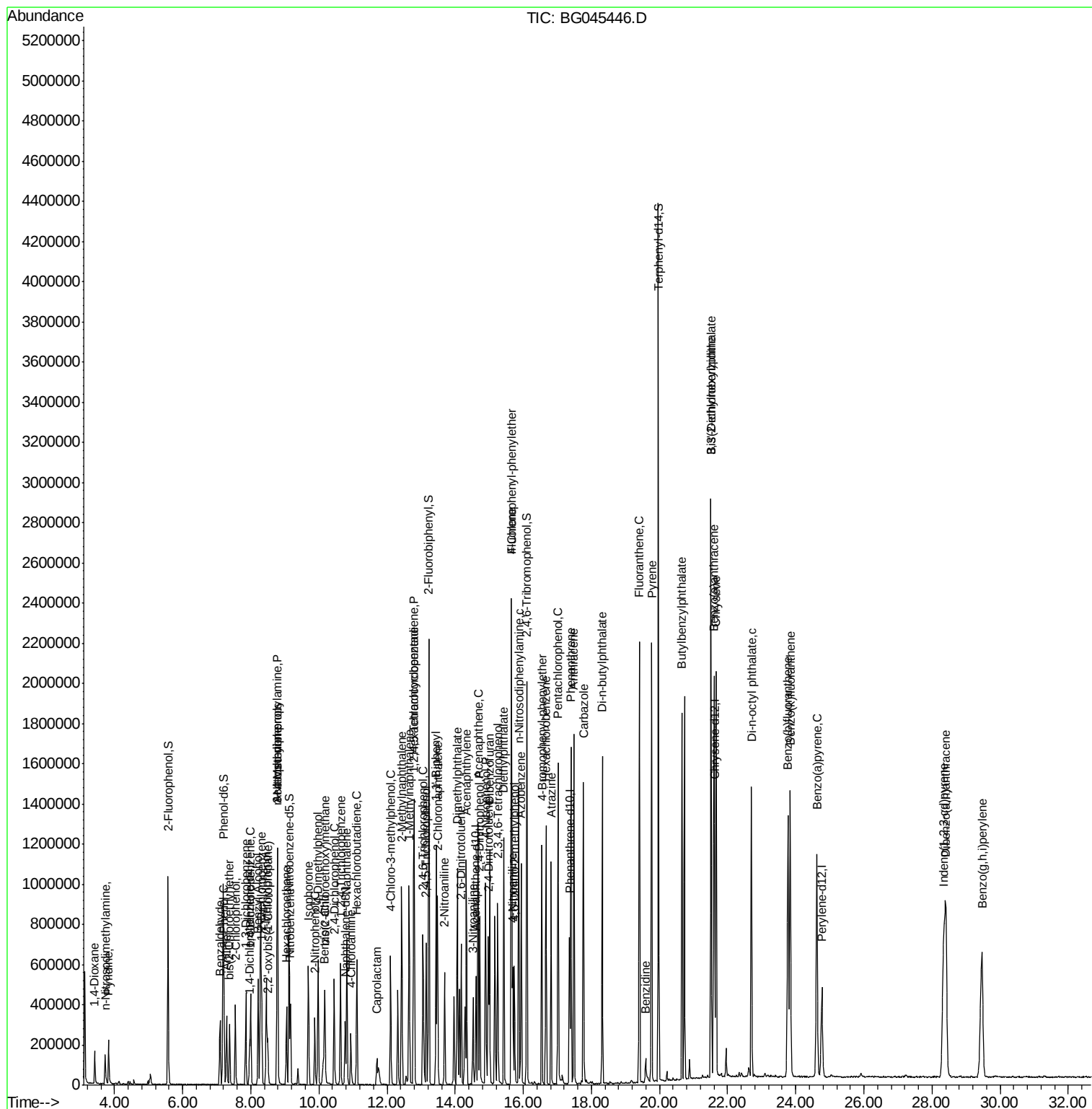
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Data File : BG045446.D
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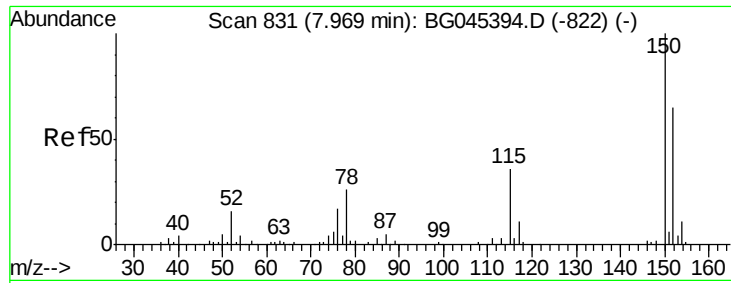
Instrument :
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ClientSampleId :
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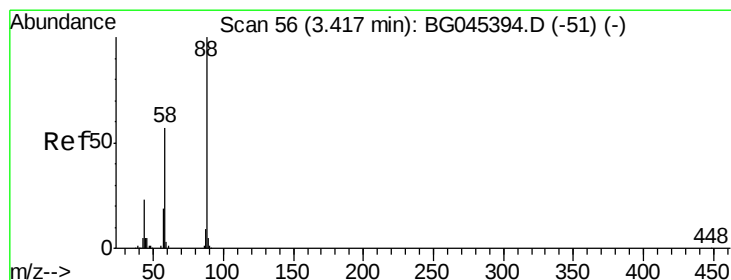
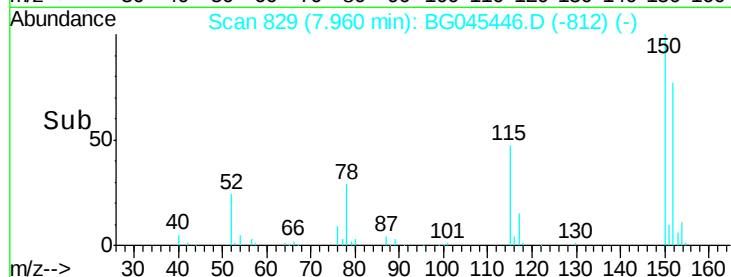
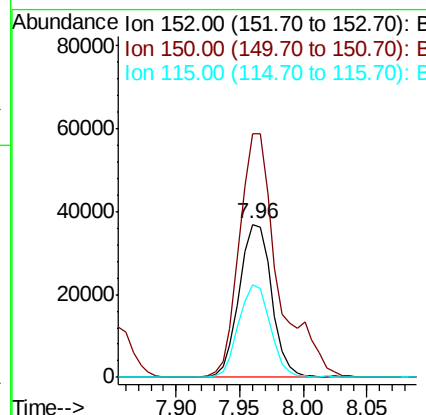
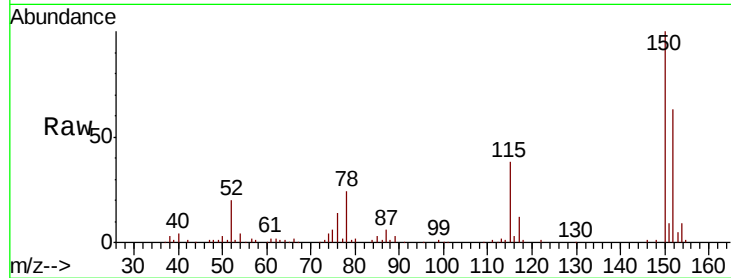
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	122.4	183.6
115	60.5	44.2	66.4

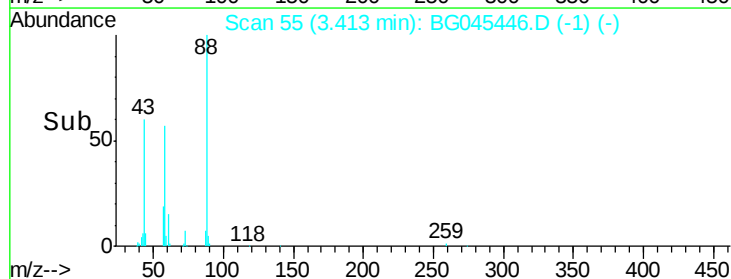
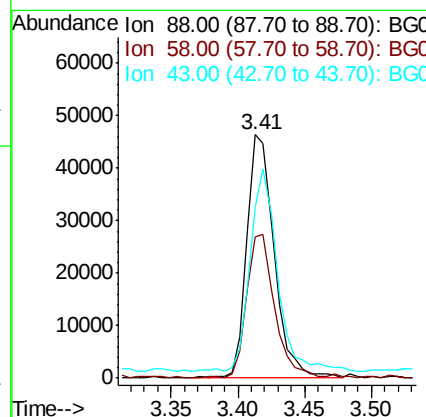
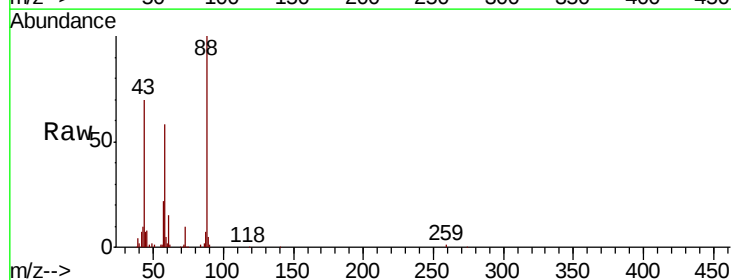
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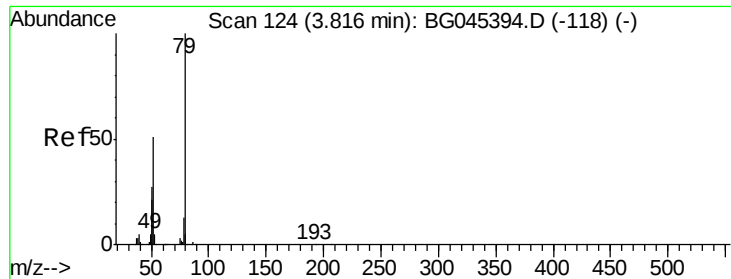
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#2
 1,4-Dioxane
 Concen: 39.459 ng
 RT: 3.41 min Scan# 55
 Delta R.T. 0.01 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.4	45.7	68.5
43	81.8	16.8	25.2





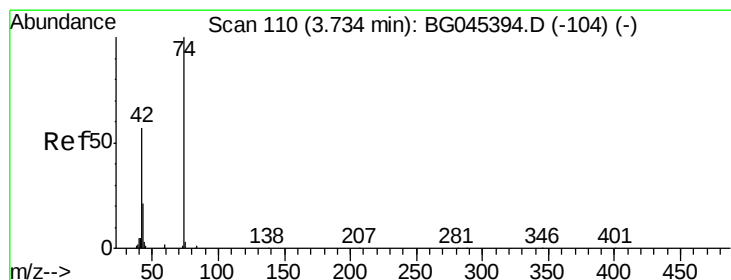
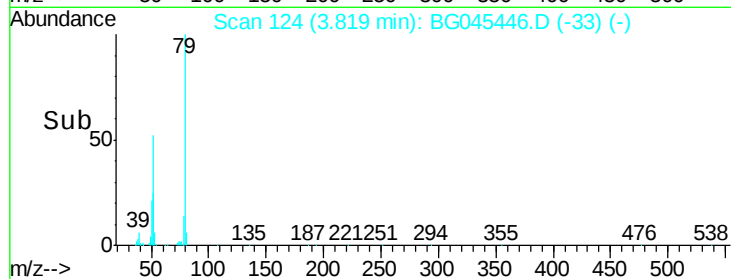
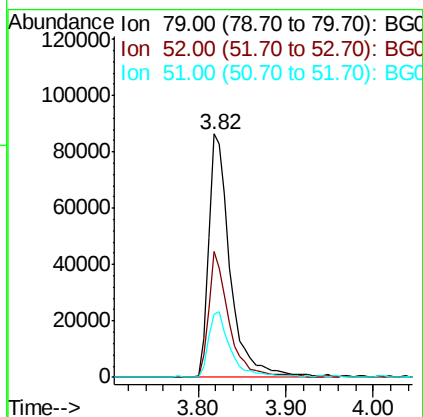
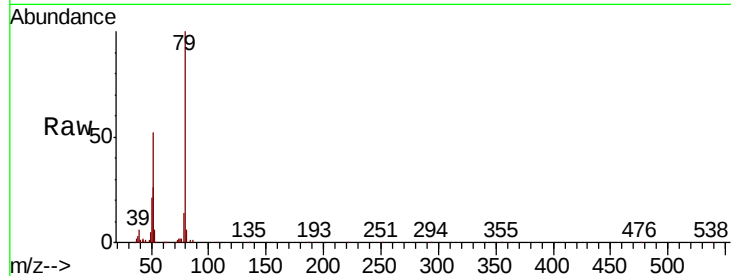
#3
Pvridine
Concen: 31.928 ng
RT: 3.82 min Scan# 124
Delta R.T. 0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
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TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	51.5	40.8	61.2
51	25.7	21.9	32.9

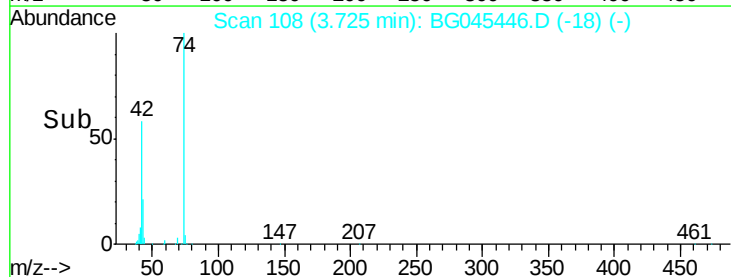
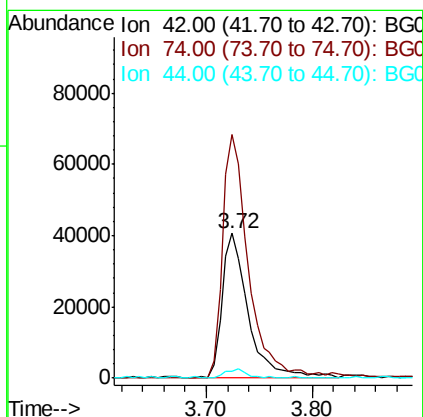
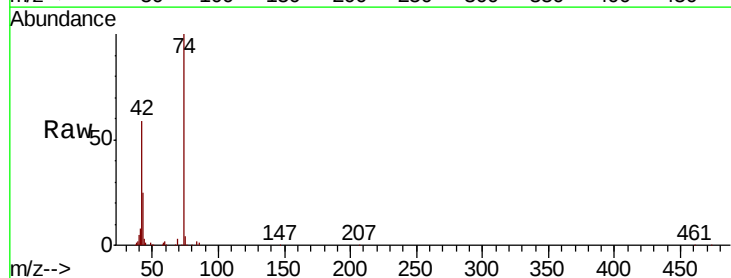
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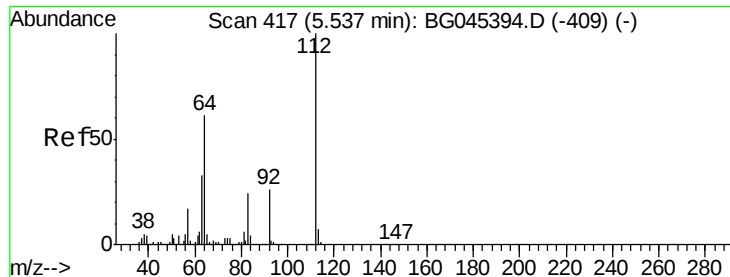
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#4
n-Nitrosodimethylamine
Concen: 46.149 ng
RT: 3.72 min Scan# 108
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
42	100		
74	168.4	141.3	211.9
44	5.0	4.2	6.4





#5

2-Fluorophenol

Concen: 144.447 ng

RT: 5.57 min Scan# 422

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

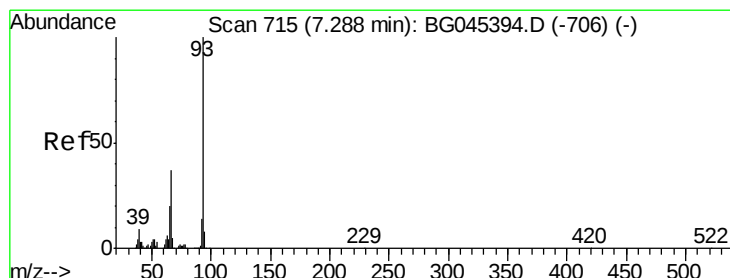
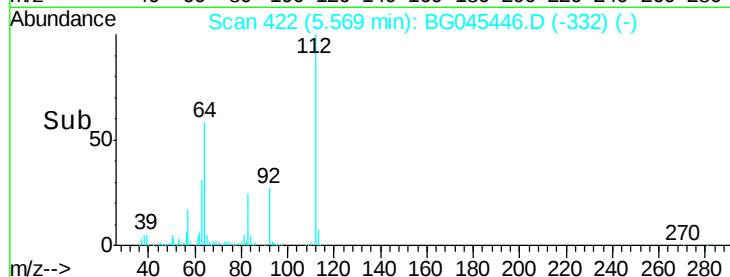
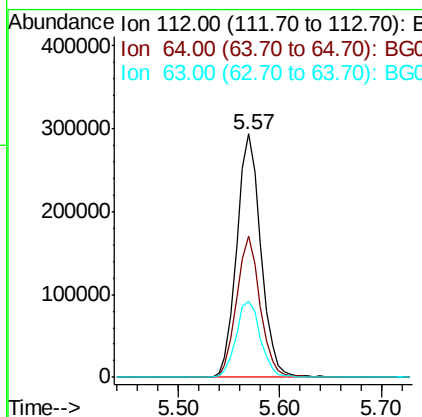
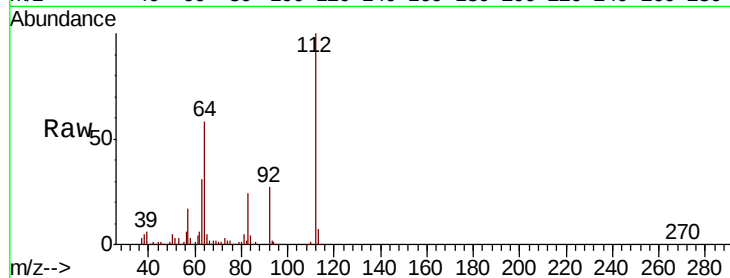
ClientSampleId :

TR-04-052020MSD

Tot Ion:	112	Resp:	484643
Ion Ratio	Lower	Upper	
112	100		
64	58.2	48.6	72.8
63	31.4	26.5	39.7

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#6

Aniline

Concen: 41.375 ng

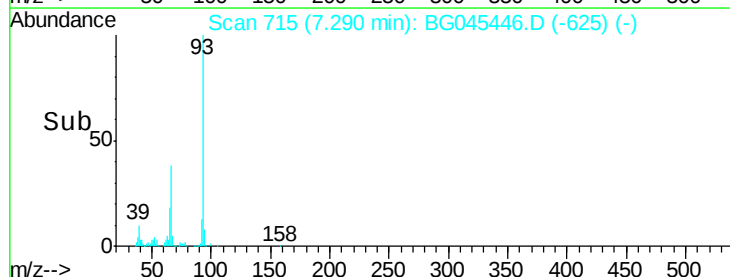
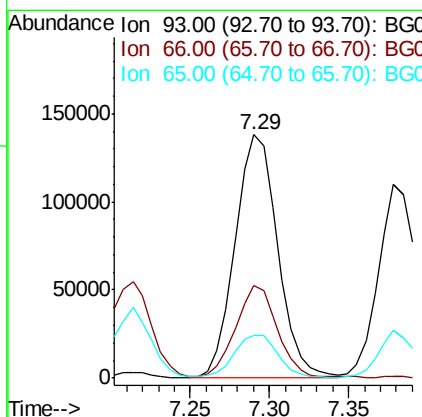
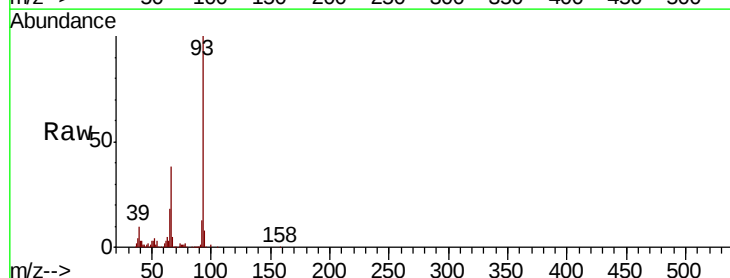
RT: 7.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	93	Resp:	257926
Ion Ratio	Lower	Upper	
93	100		
66	38.0	29.6	44.4
65	17.7	15.9	23.9





#7

Phenol-d6

Concen: 135.325 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

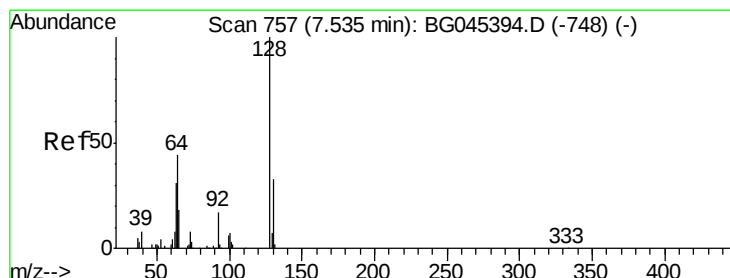
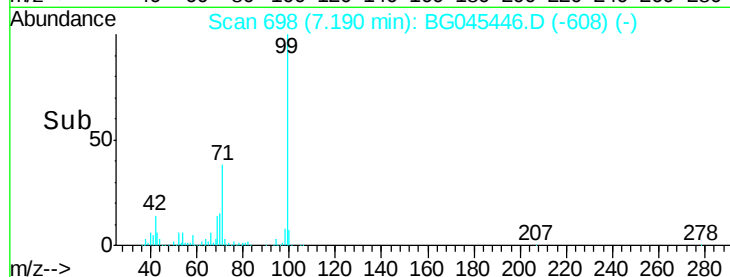
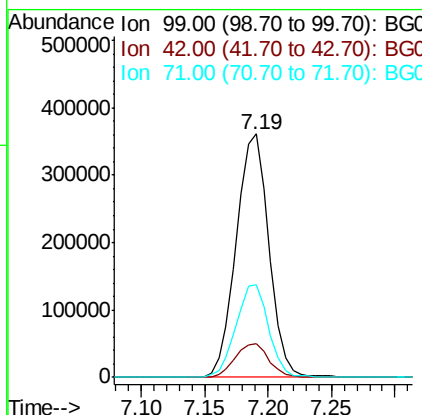
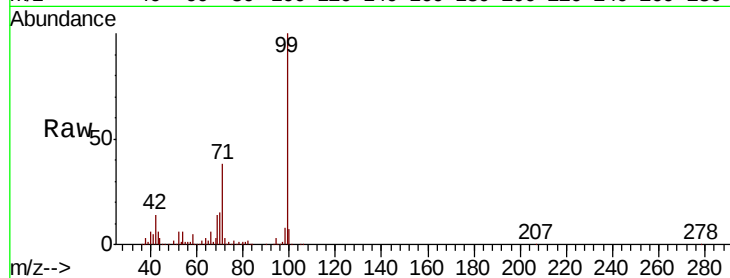
ClientSampleId :

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Tot Ion:	99	Resp:	646231
Ion Ratio	Lower	Upper	
99	100		
42	13.6	11.3	16.9
71	38.3	30.8	46.2

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#8

2-Chlorophenol

Concen: 53.442 ng

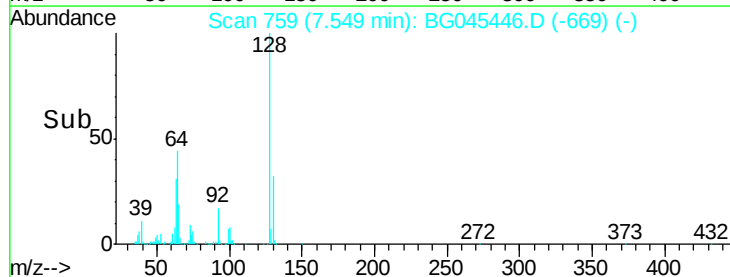
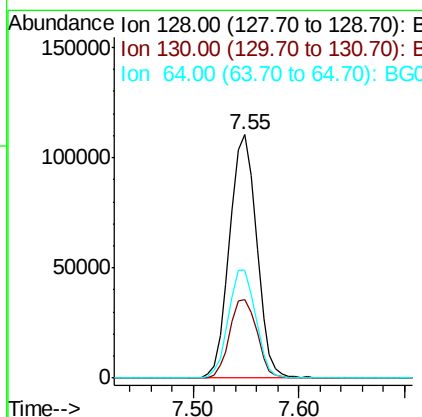
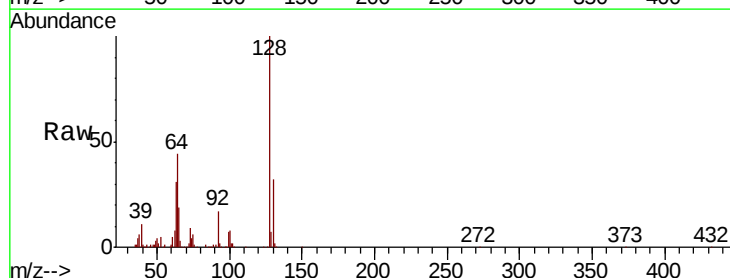
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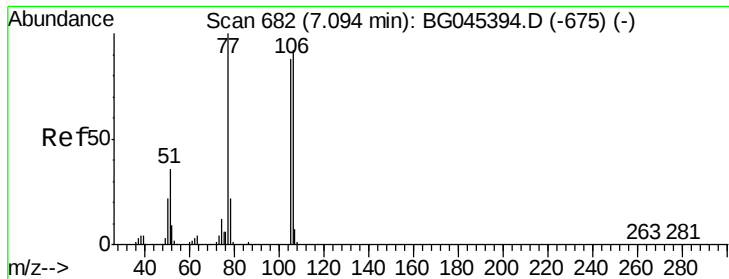
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	128	Resp:	196632
Ion Ratio	Lower	Upper	
128	100		
130	32.2	12.6	52.6
64	44.2	27.0	67.0





#9

Benzaldehyde

Concen: 43.648 ng

RT: 7.10 min Scan# 682

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

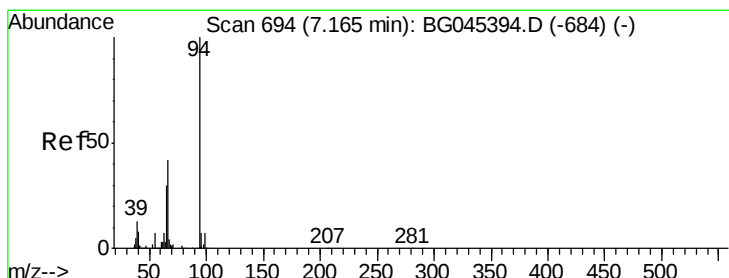
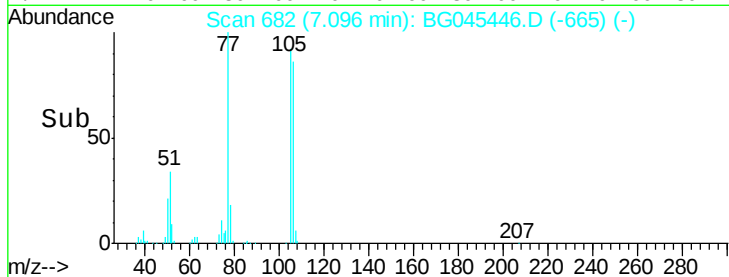
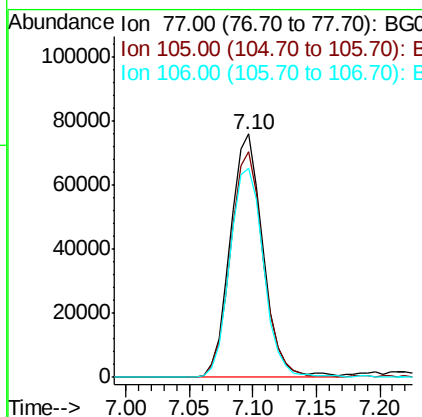
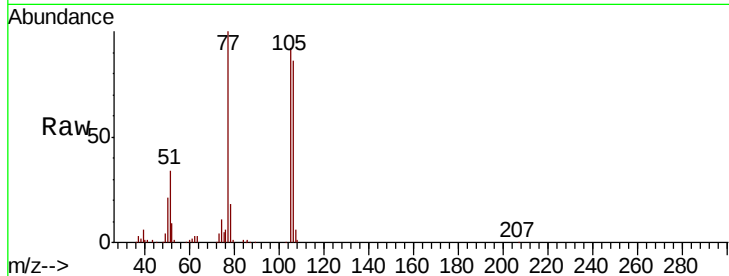
ClientSampleId :

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Tot Ion:	77	Resp:	135802
Ion Ratio	Lower	Upper	
77	100		
105	92.5	68.5	108.5
106	85.7	71.6	111.6

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#10

Phenol

Concen: 45.433 ng

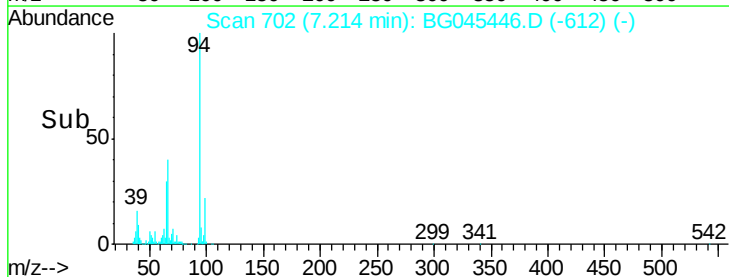
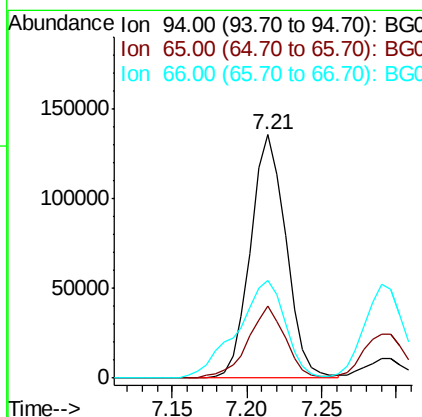
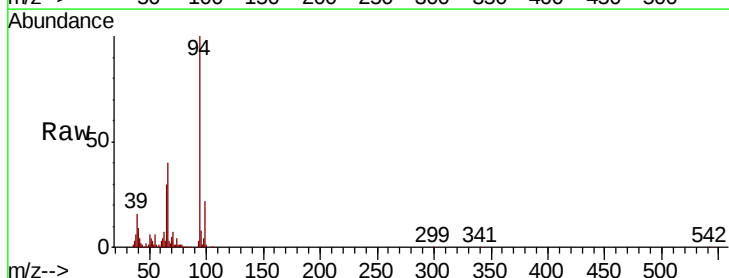
RT: 7.21 min Scan# 702

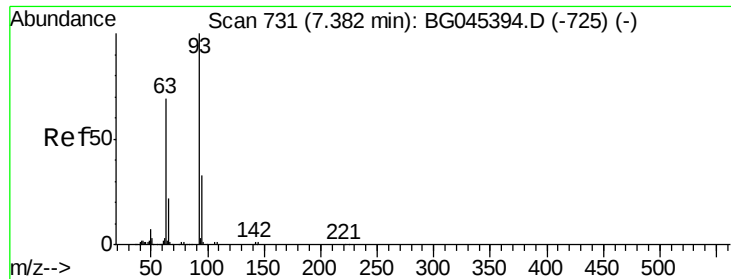
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	94	Resp:	223607
Ion Ratio	Lower	Upper	
94	100		
65	29.8	9.8	49.8
66	40.1	22.0	62.0





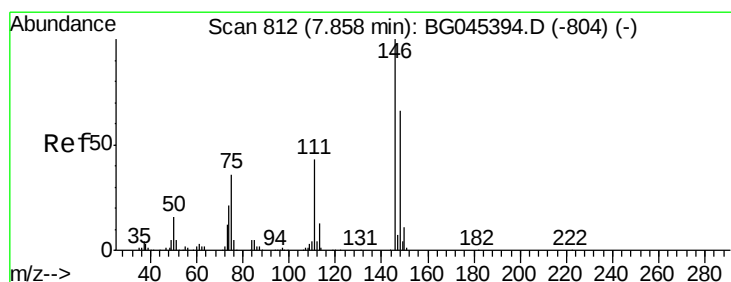
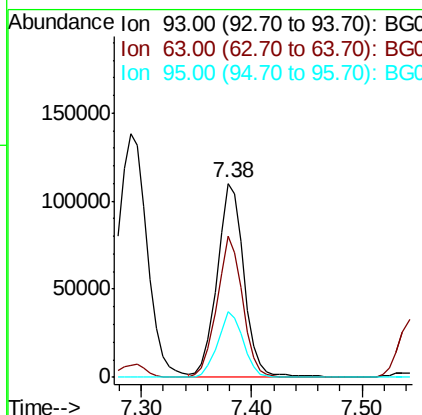
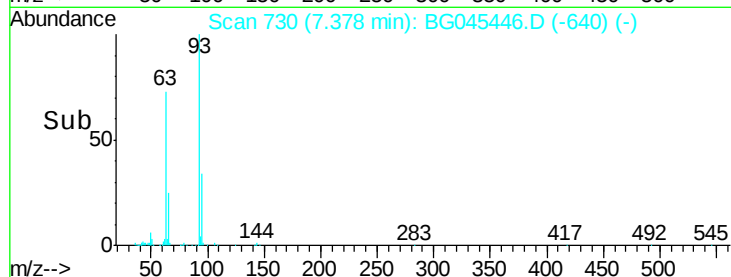
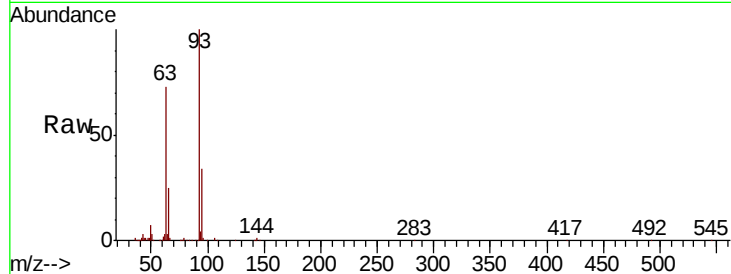
#11
bis(2-Chloroethyl)ether
Concen: 48.571 ng
RT: 7.38 min Scan# 730
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion:	93	Resp:	186463
Ion Ratio	Lower	Upper	
93	100		
63	73.0	48.4	88.4
95	34.0	12.4	52.4

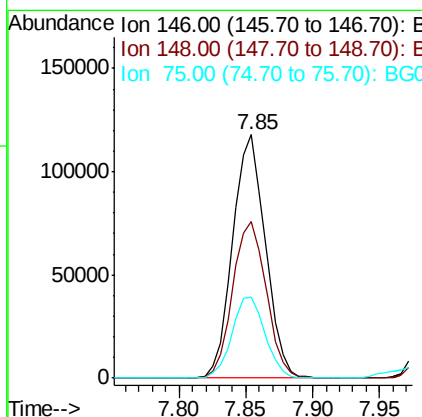
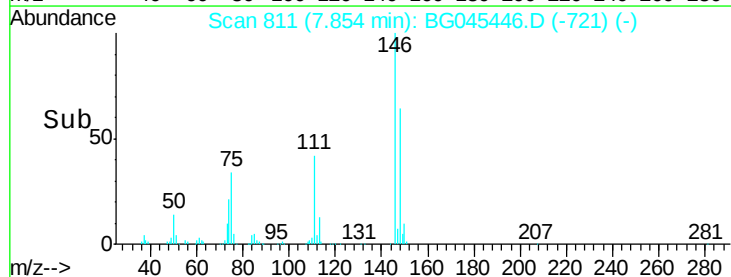
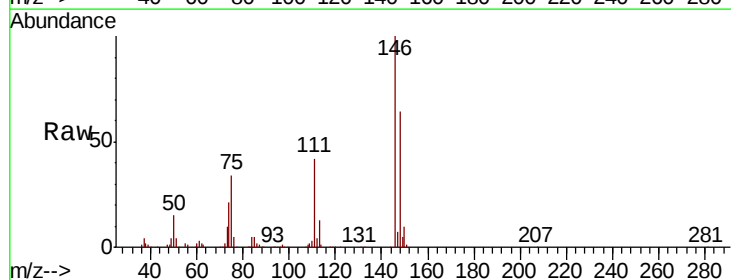
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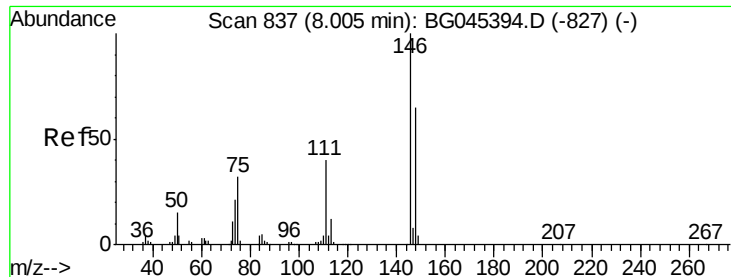
mohammad
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#12
1,3-Dichlorobenzene
Concen: 45.374 ng
RT: 7.85 min Scan# 811
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion:	146	Resp:	200624
Ion Ratio	Lower	Upper	
146	100		
148	64.2	53.2	79.8
75	33.5	28.6	43.0





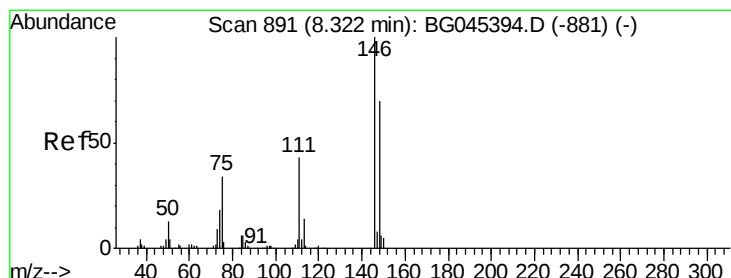
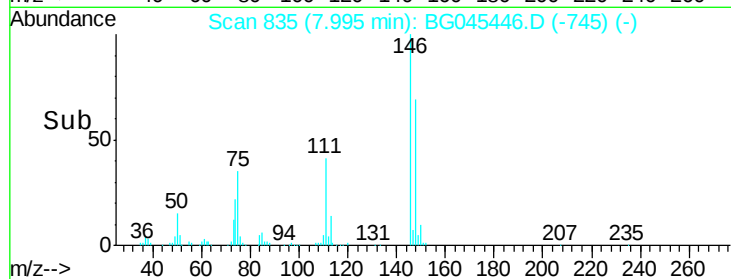
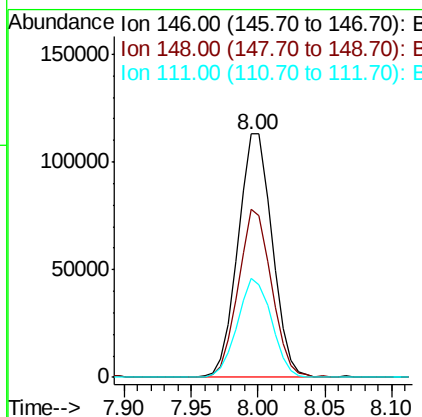
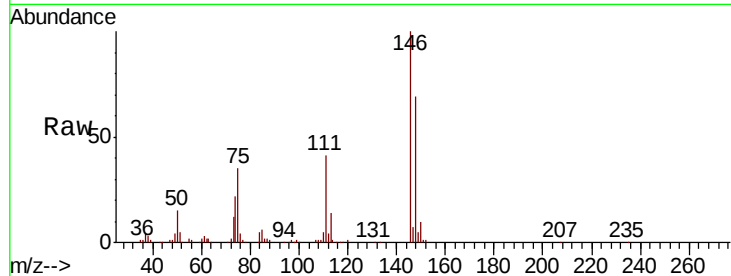
#13
 1,4-Dichlorobenzene
 Concen: 46.178 ng
 RT: 8.00 min Scan# 835
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	68.9	51.8	77.8
111	40.7	32.1	48.1

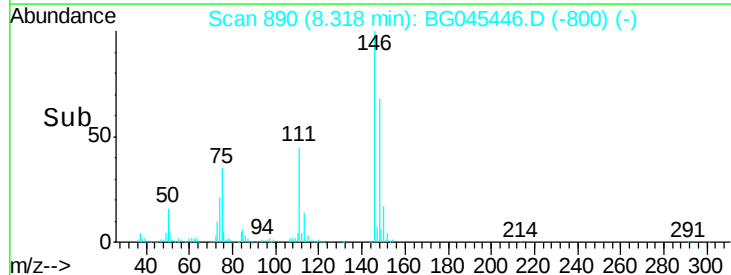
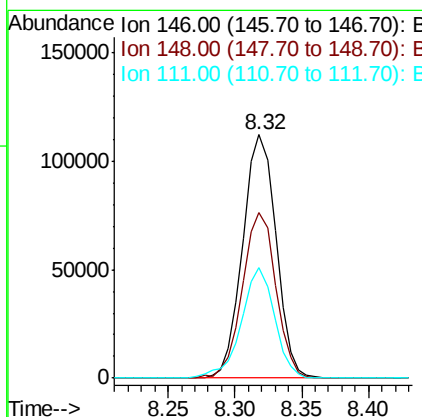
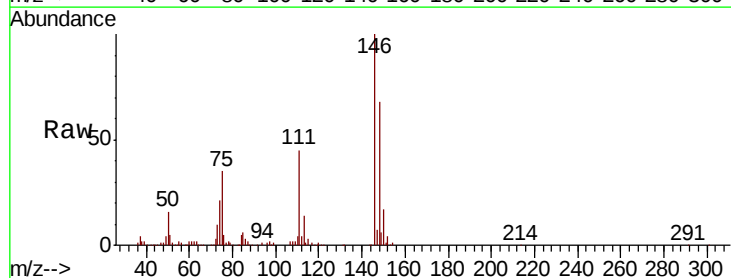
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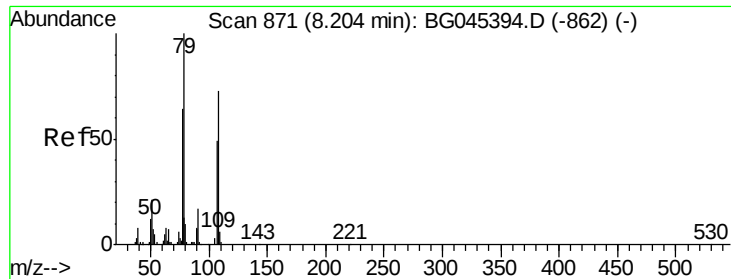
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 46.179 ng
 RT: 8.32 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
148	67.8	55.9	83.9
111	45.2	35.0	52.4





#15

Benzyl Alcohol

Concen: 53.924 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

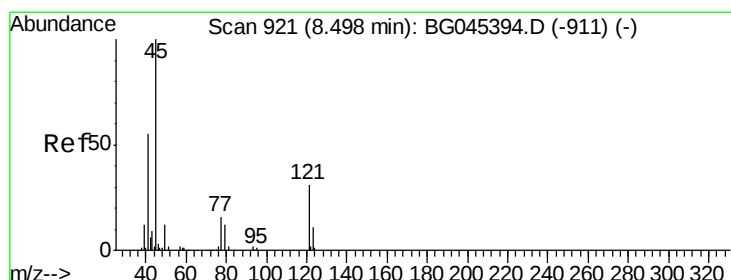
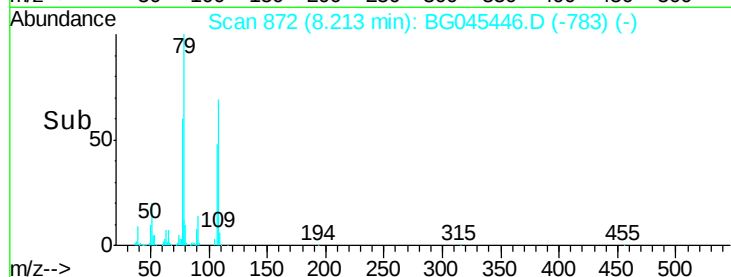
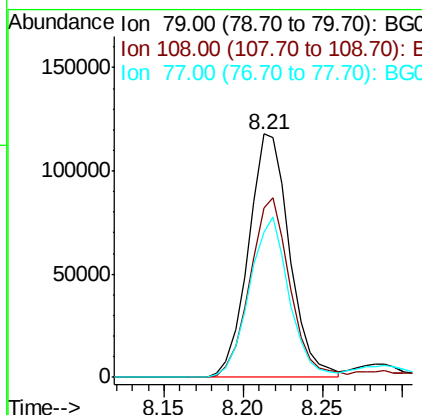
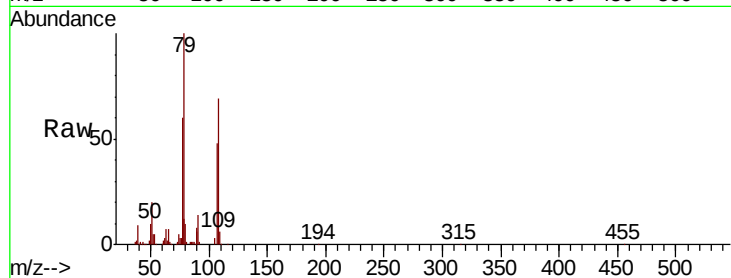
ClientSampleId :

TR-04-052020MSD

Tot Ion:	79	Resp:	212726
Ion	Ratio	Lower	Upper
79	100		
108	69.4	58.2	87.4
77	59.7	51.0	76.4

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.966 ng

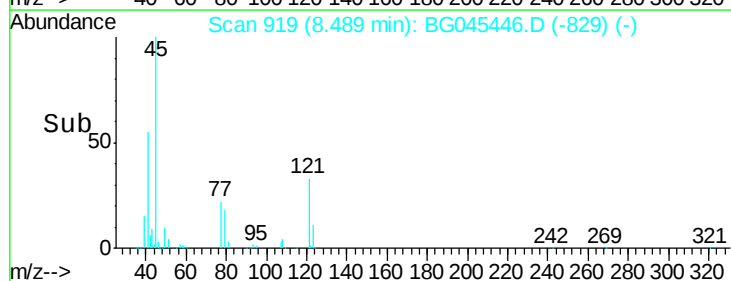
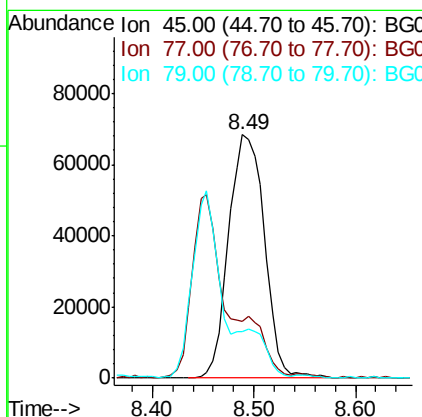
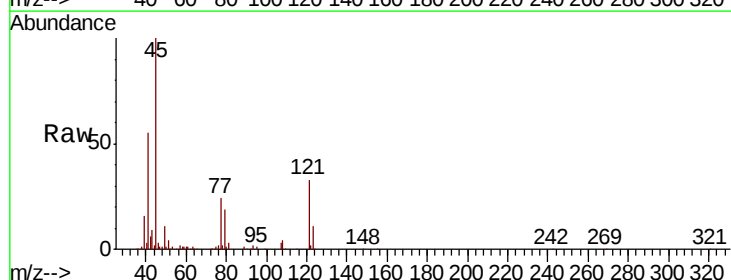
RT: 8.49 min Scan# 919

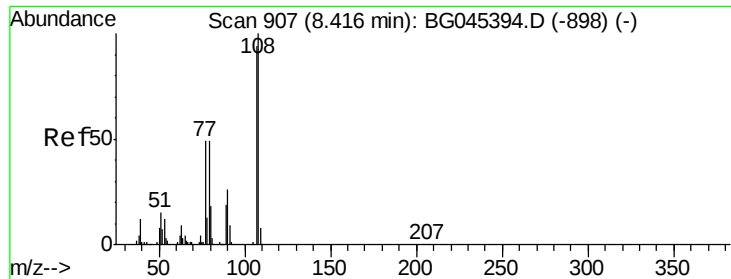
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	45	Resp:	167503
Ion	Ratio	Lower	Upper
45	100		
77	23.5	4.0	44.0
79	19.2	0.0	38.6





#17

2-Methylphenol

Concen: 48.072 ng

RT: 8.45 min Scan# 913

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

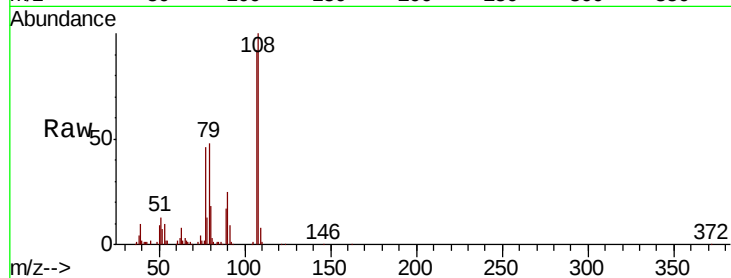
ClientSampleId :

TR-04-052020MSD

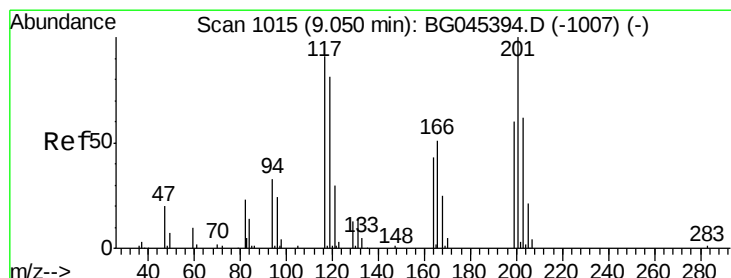
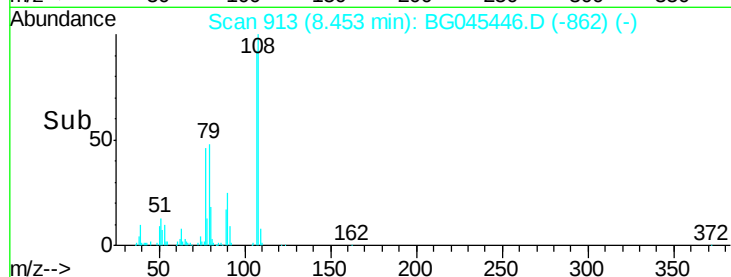
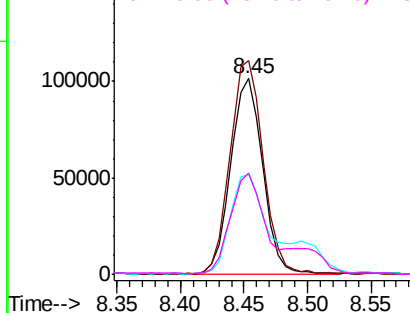
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.3	85.2	127.8	
77	50.8	41.6	62.4	
79	52.1	41.8	62.8	

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 45.995 ng

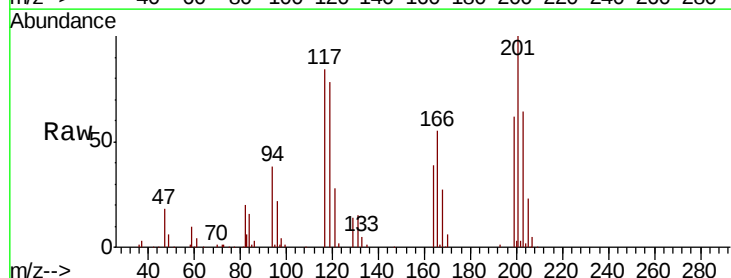
RT: 9.05 min Scan# 1014

Delta R.T. 0.00 min

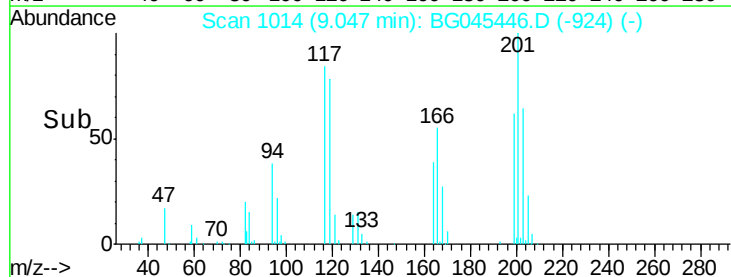
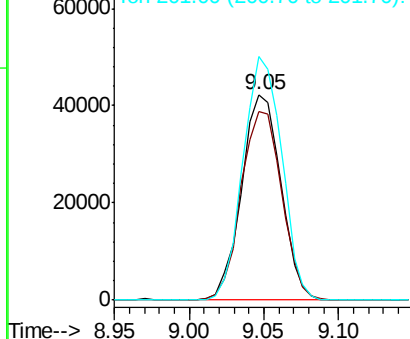
Lab File: BG045446.D

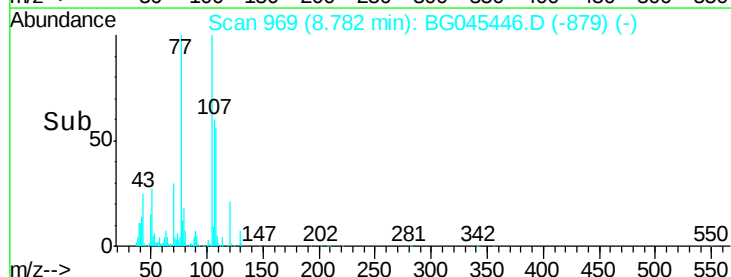
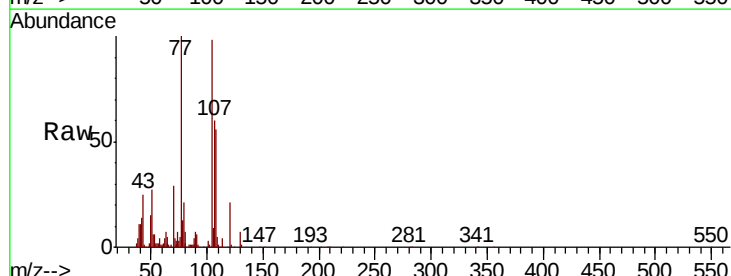
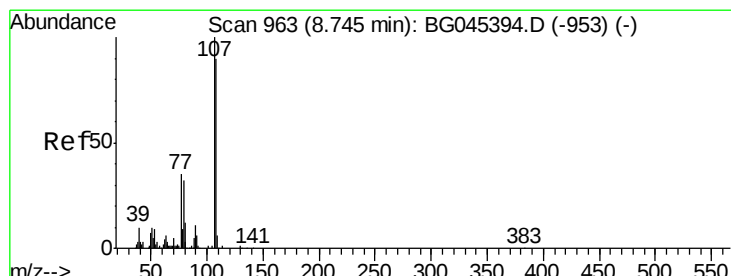
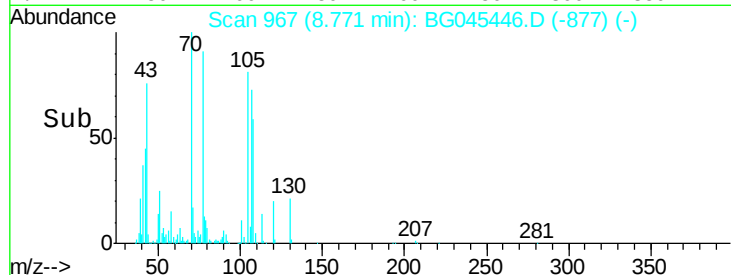
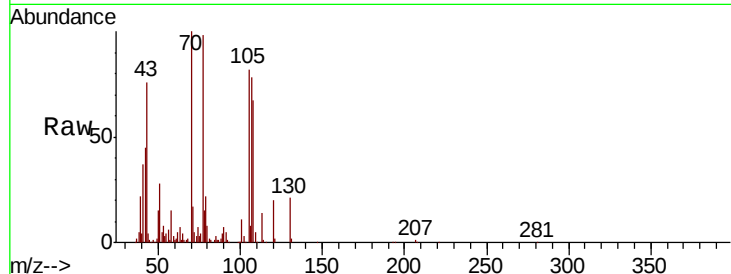
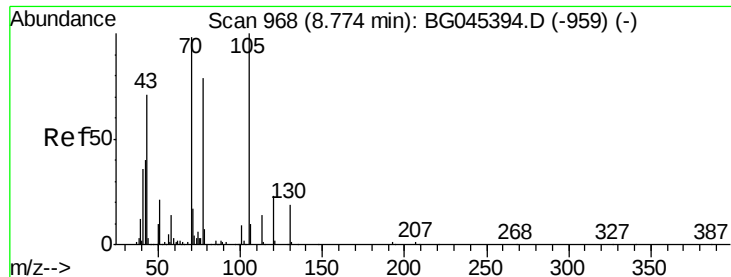
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.8	71.3	106.9	
201	118.4	87.5	131.3	



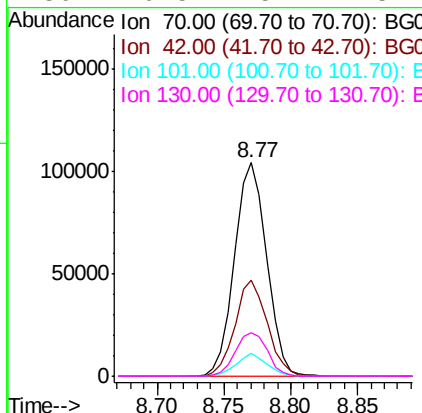
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 52.784 ng
RT: 8.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	44.8	33.2	49.8		
101	10.5	7.8	11.6		
130	20.5	15.4	23.2		



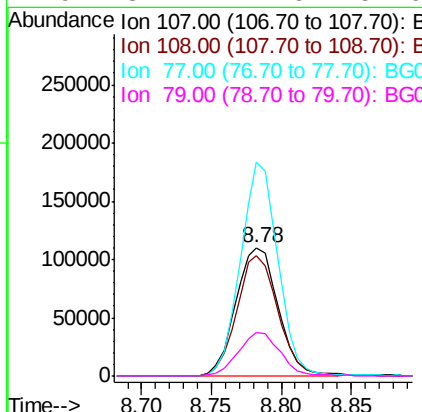
Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

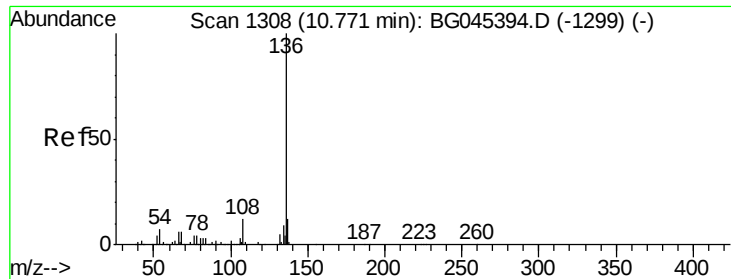
Manual Integrations
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#20
3+4-Methylphenols
Concen: 46.490 ng m
RT: 8.78 min Scan# 969
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	94.0	70.3	110.3		
77	166.5	15.4	55.4#		
79	34.2	12.6	52.6		





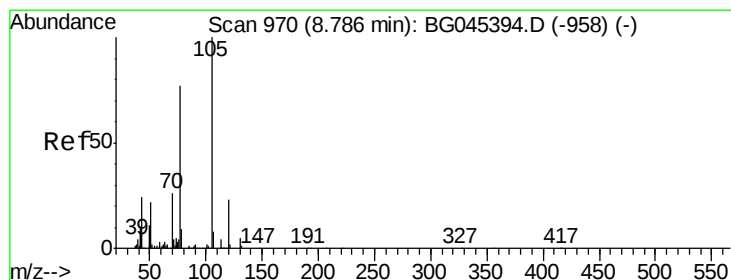
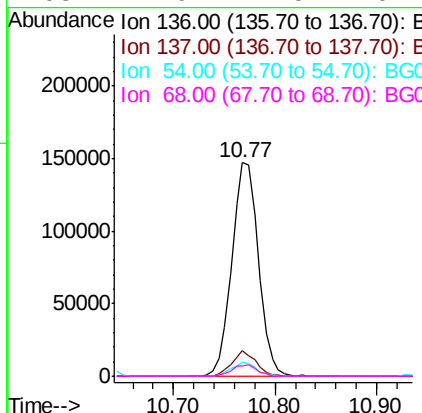
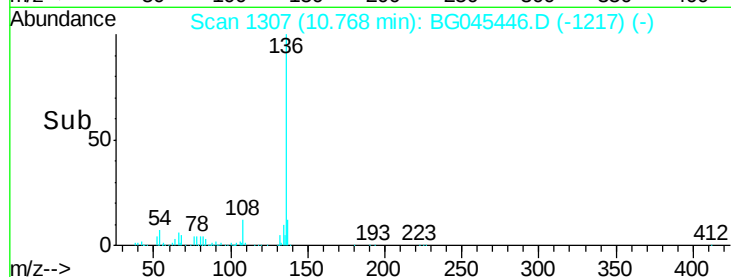
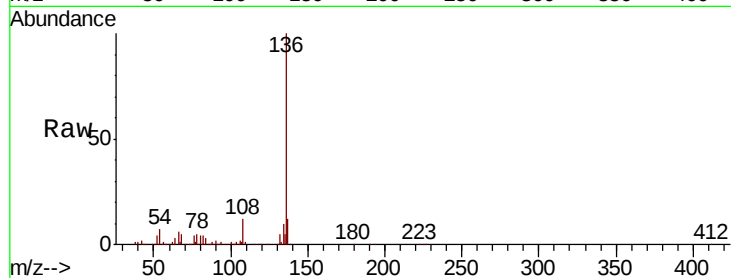
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	267578		
137	11.9		9.4	14.2
54	6.6		5.8	8.6
68	4.9		4.5	6.7

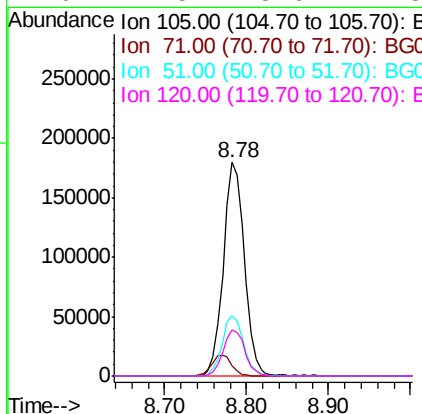
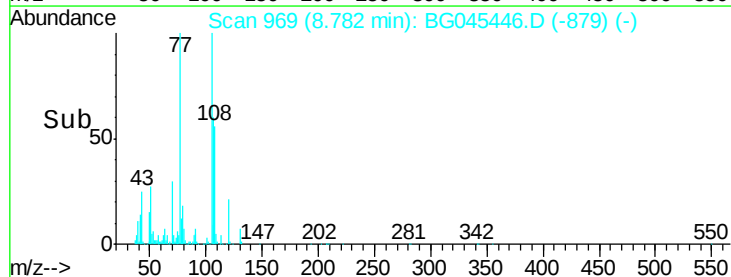
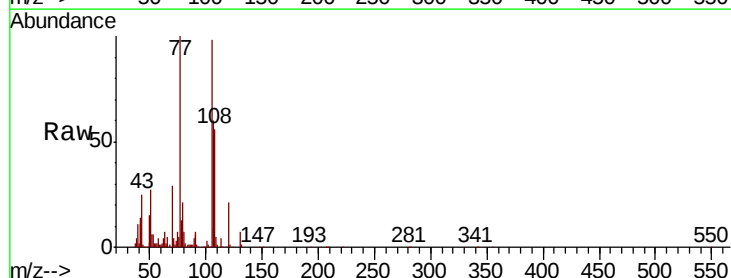
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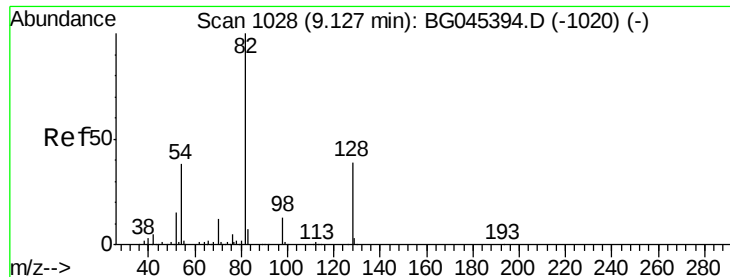
mohammad
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#22
Acetophenone
Concen: 50.945 ng
RT: 8.78 min Scan# 969
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	323087		
71	4.5		3.4	5.0
51	27.9		18.2	27.2#
120	21.5		18.6	27.8





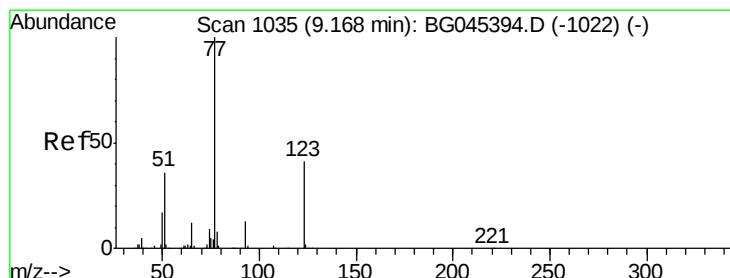
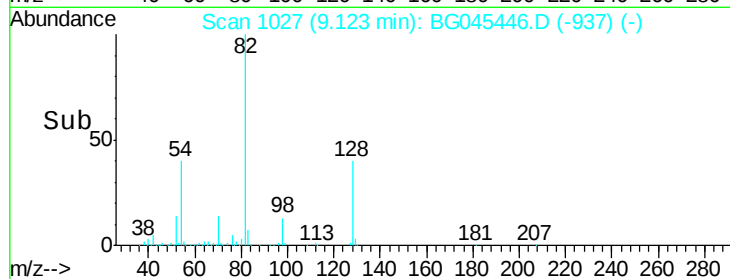
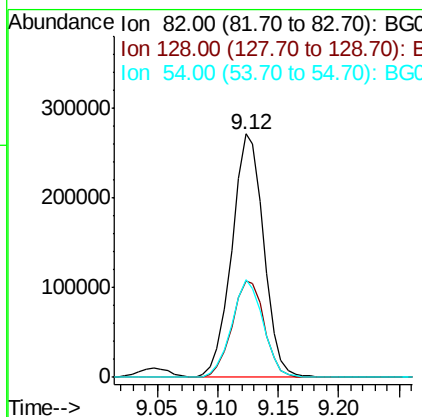
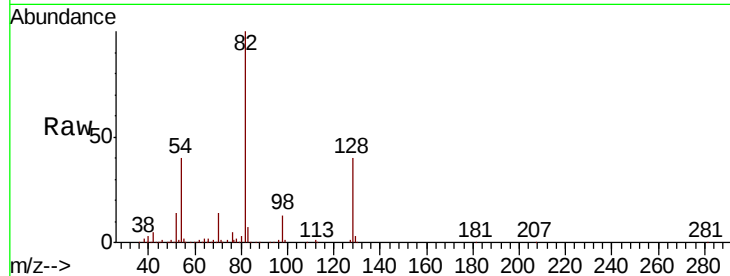
#23
Nitrobenzene-d5
Concen: 101.305 ng
RT: 9.12 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	30.9	46.3
54	40.0	30.3	45.5

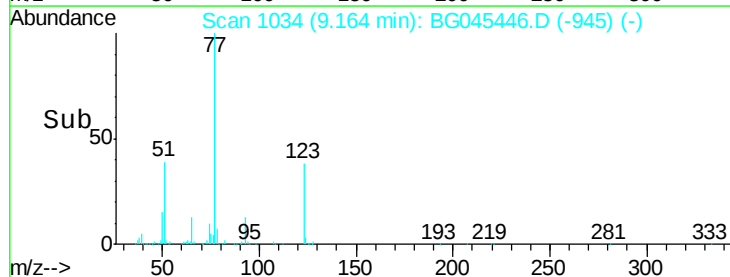
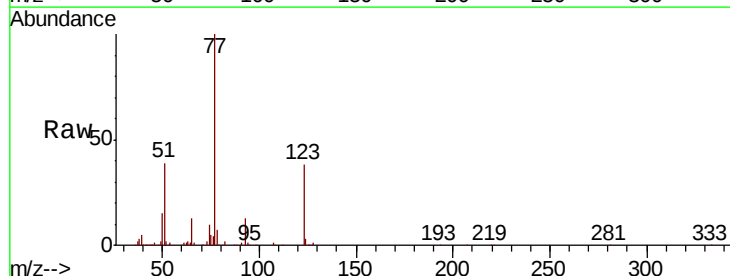
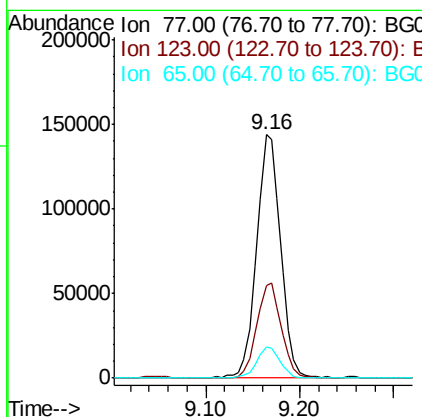
Manual Integrations
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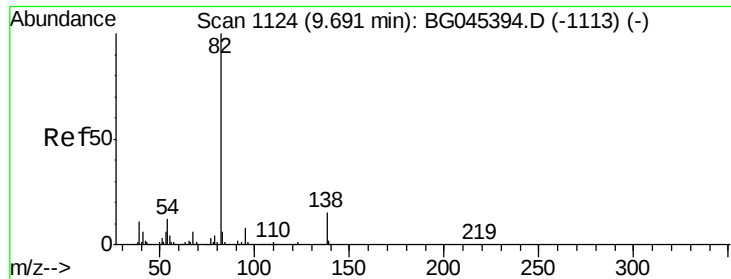
mohammad
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#24
Nitrobenzene
Concen: 48.559 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
77	100		
123	38.2	32.9	49.3
65	13.0	9.4	14.2





#25

Isophorone

Concen: 51.463 ng

RT: 9.69 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

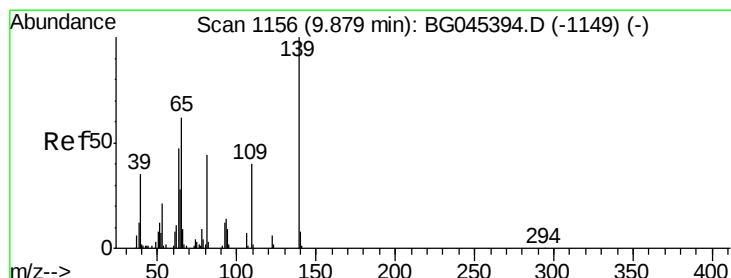
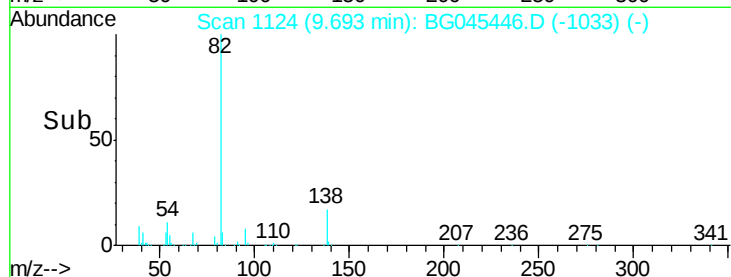
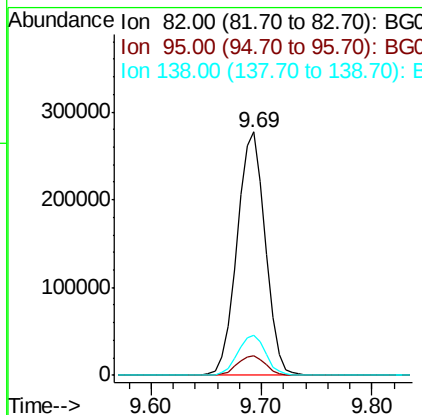
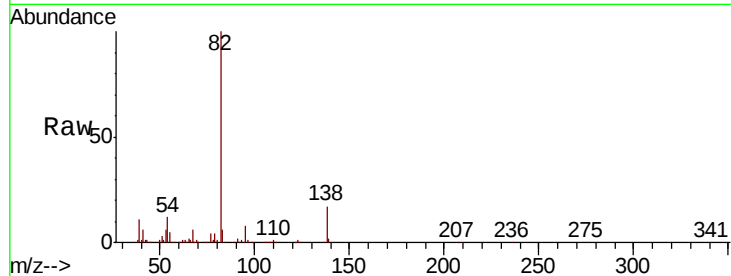
ClientSampleId :

TR-04-052020MSD

Tot Ion:	82	Resp:	497309
Ion Ratio	Lower	Upper	
82	100		
95	8.1	6.7	10.1
138	16.7	12.2	18.4

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#26

2-Nitrophenol

Concen: 51.003 ng

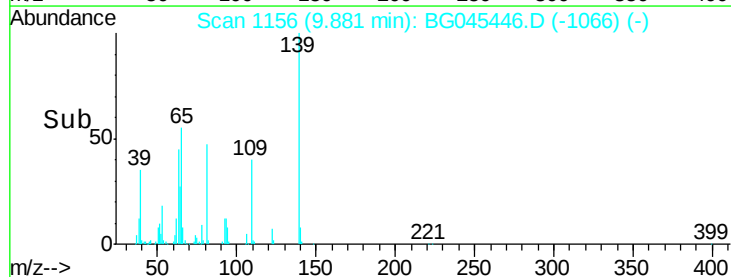
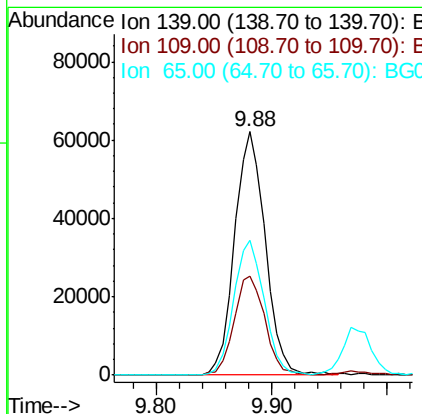
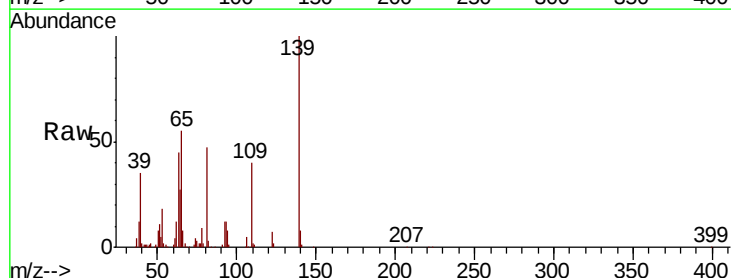
RT: 9.88 min Scan# 1156

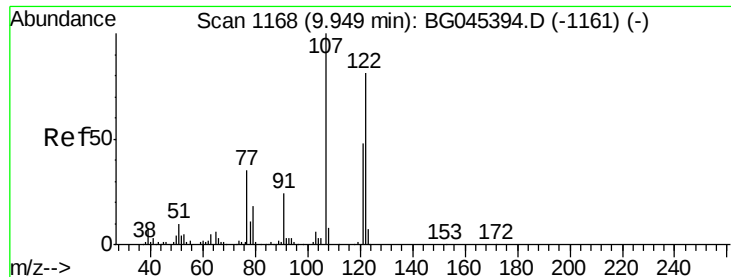
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	139	Resp:	114701
Ion Ratio	Lower	Upper	
139	100		
109	40.5	32.2	48.4
65	55.1	49.6	74.4





#27

2,4-Dimethylphenol

Concen: 58.962 ng

RT: 9.97 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

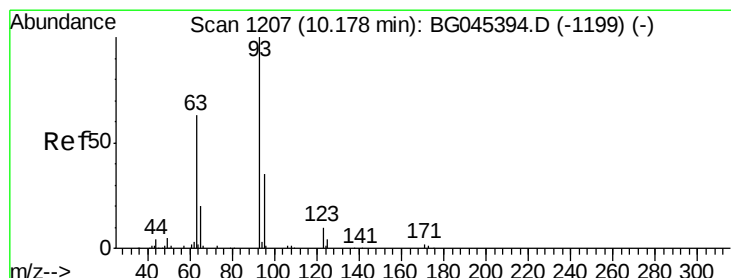
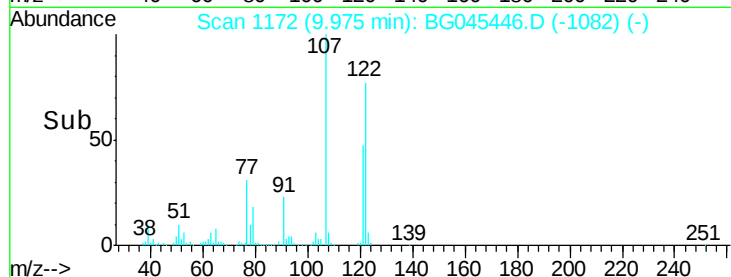
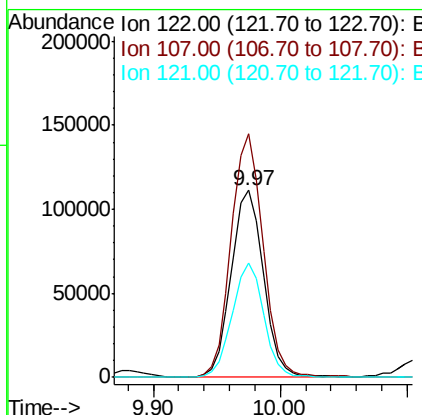
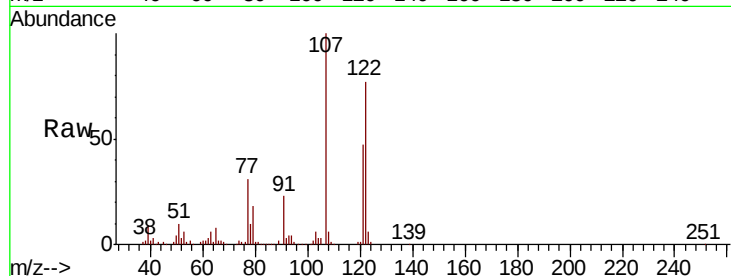
ClientSampleId :

TR-04-052020MSD

Tot Ion:	122	Resp:	196671
Ion Ratio	Lower	Upper	
122	100		
107	130.2	99.0	148.4
121	61.0	47.7	71.5

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#28

bis(2-Chloroethoxy)methane

Concen: 52.815 ng

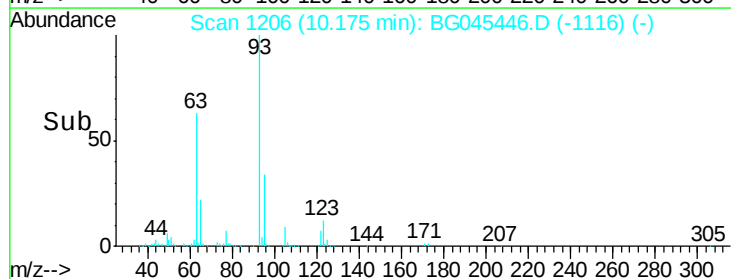
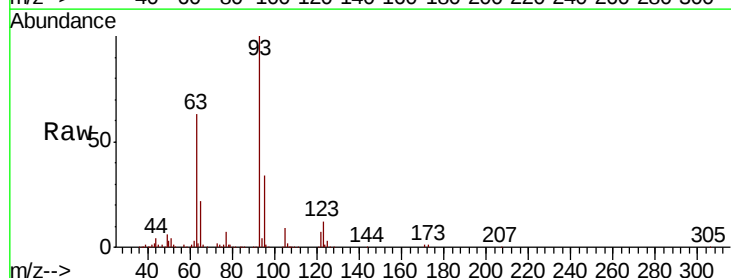
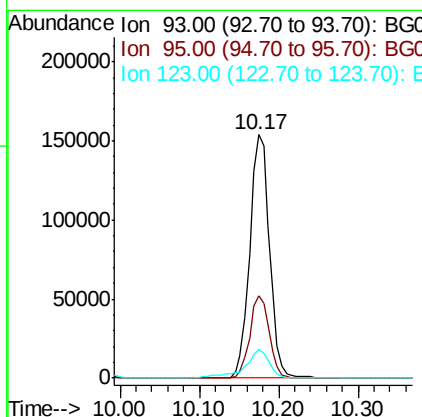
RT: 10.17 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	93	Resp:	267659
Ion Ratio	Lower	Upper	
93	100		
95	33.7	27.6	41.4
123	11.6	8.1	12.1





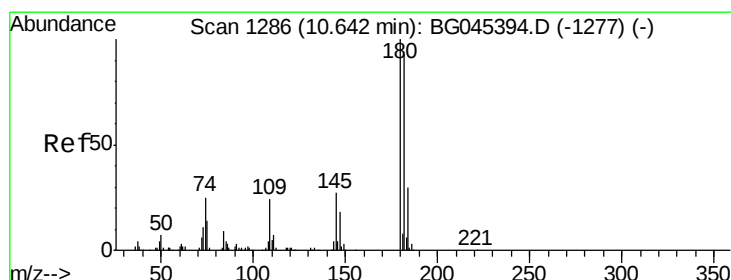
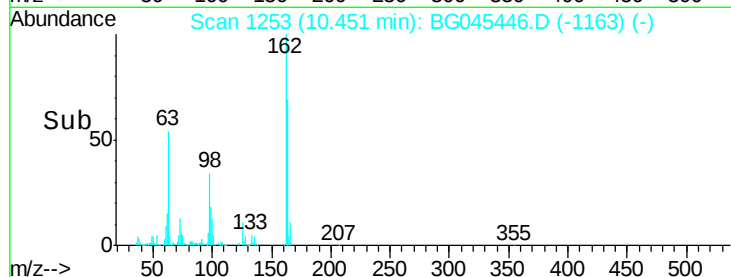
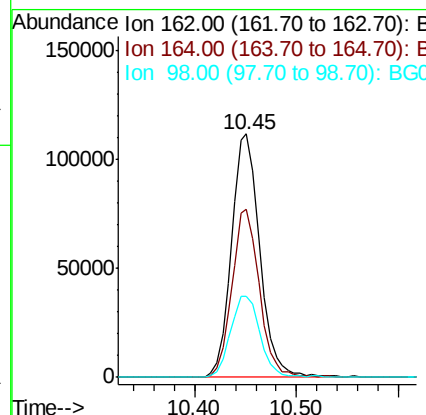
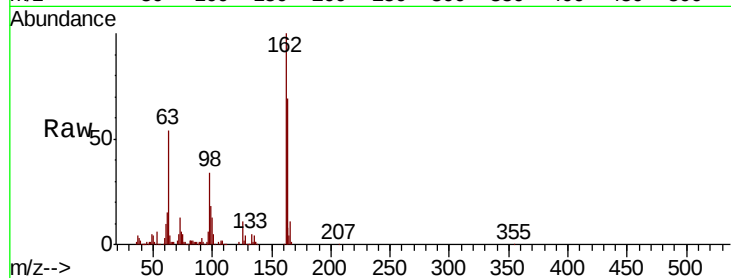
#29
 2,4-Dichlorophenol
 Concen: 54.638 ng
 RT: 10.45 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		215211		
164	68.8	46.8	86.8		
98	33.5	15.2	55.2		

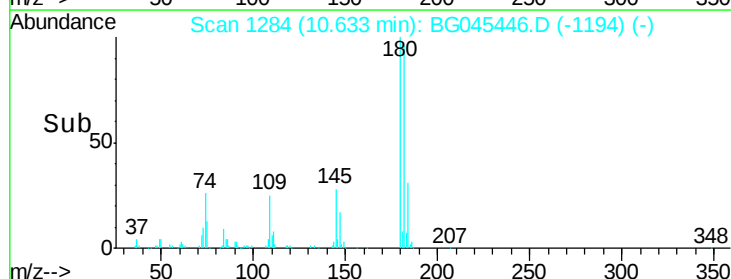
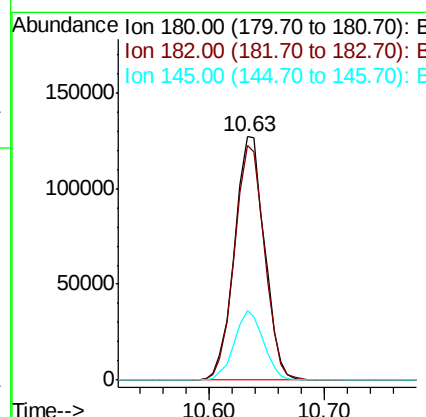
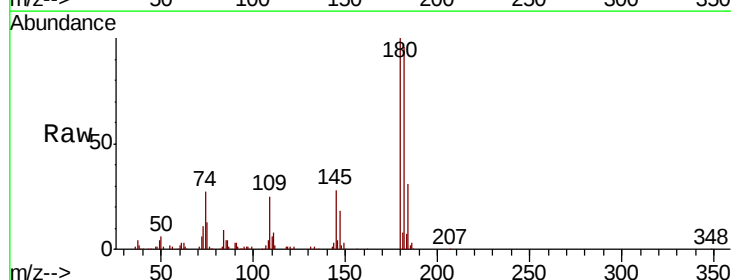
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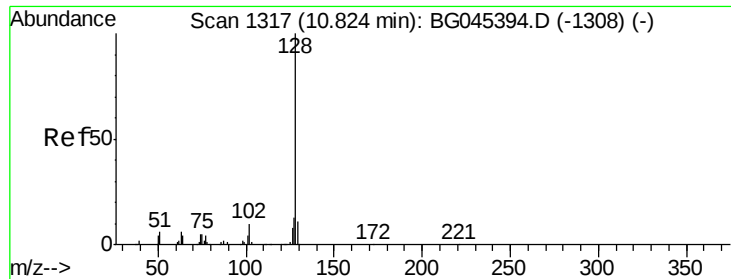
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#30
 1,2,4-Trichlorobenzene
 Concen: 49.396 ng
 RT: 10.63 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		229905		
182	96.3	74.8	112.2		
145	28.5	21.9	32.9		





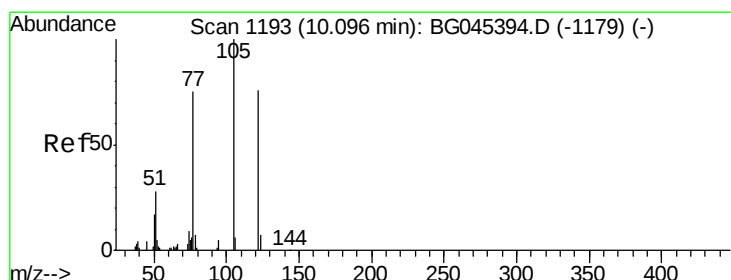
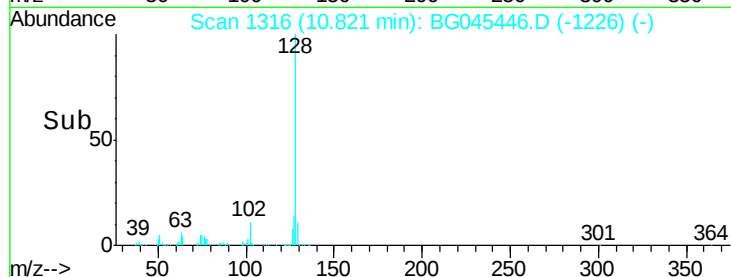
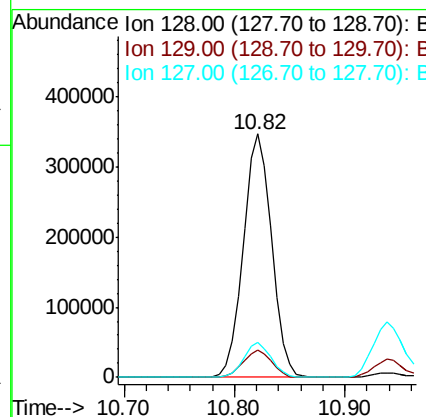
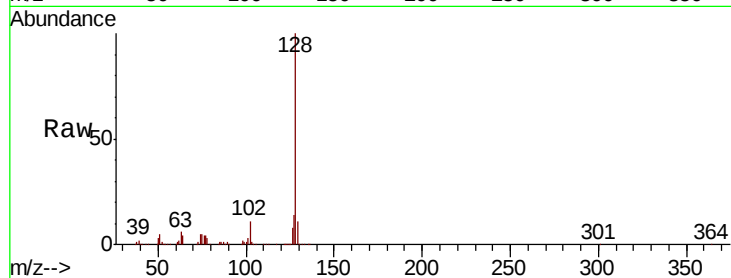
#31
Naphthalene
Concen: 50.088 ng
RT: 10.82 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion:	128	Resp:	624546
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.0	13.6
127	14.4	10.7	16.1

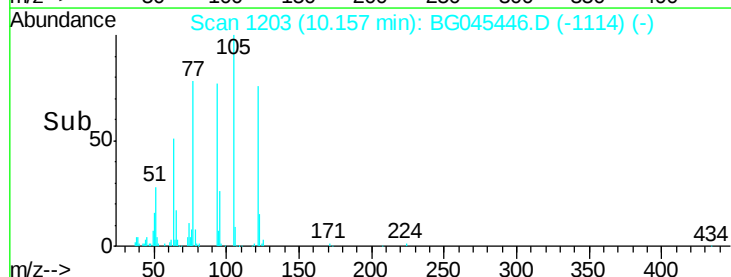
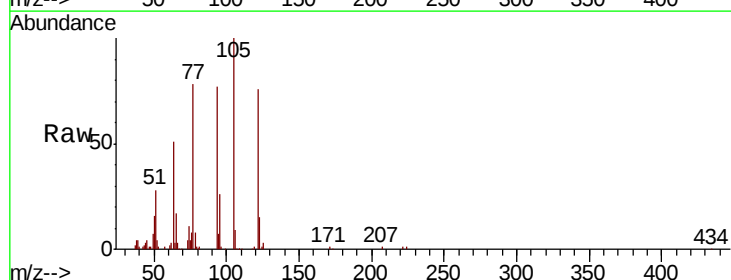
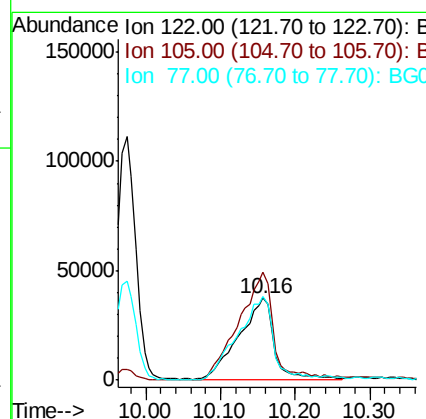
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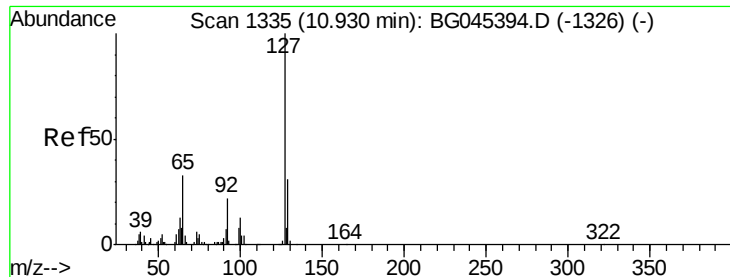
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#32
Benzoic acid
Concen: 51.995 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion:	122	Resp:	120345
Ion Ratio	Lower	Upper	
122	100		
105	131.9	107.9	147.9
77	102.8	78.9	118.9





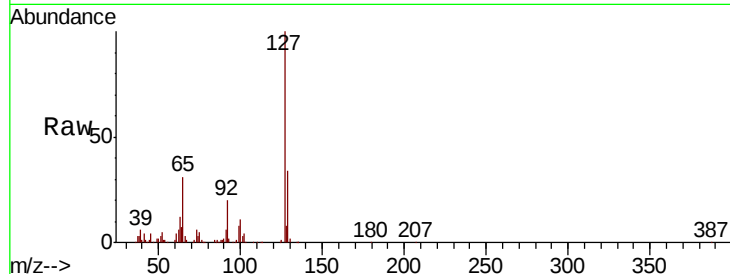
#33
4-Chloroaniline
Concen: 30.584 ng
RT: 10.94 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

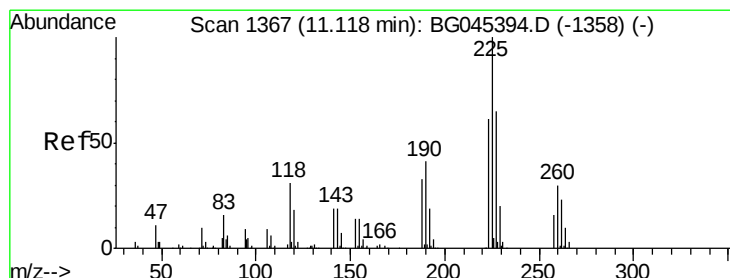
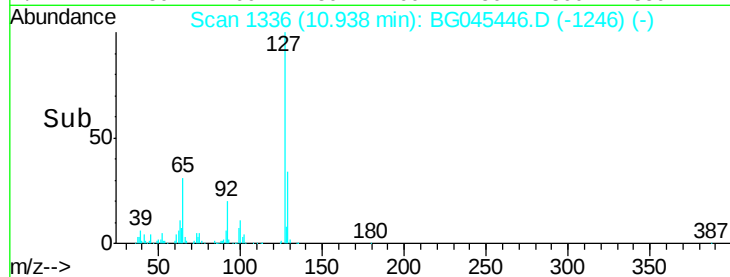
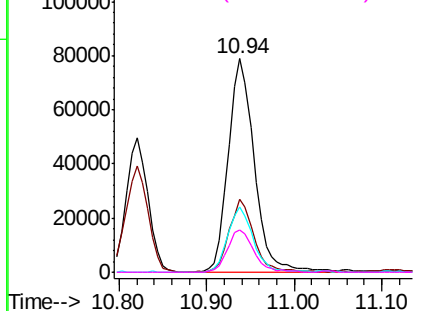
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	34.1	24.7	37.1		
65	30.6	26.2	39.2		
92	19.8	17.9	26.9		

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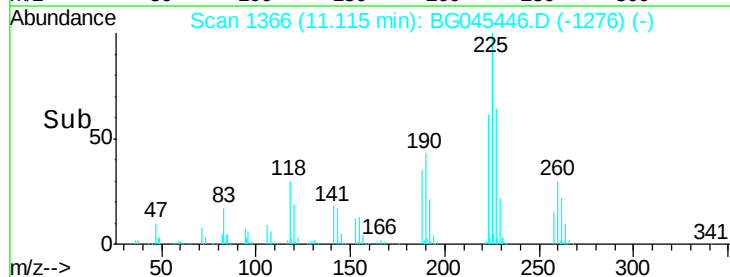
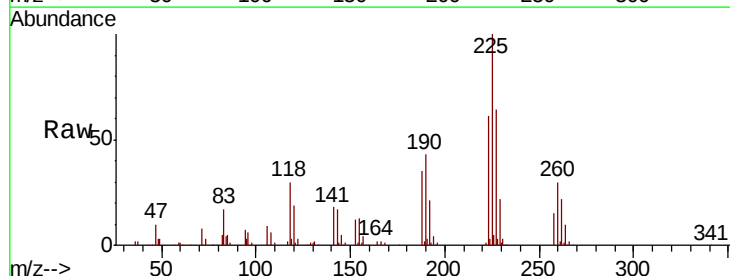
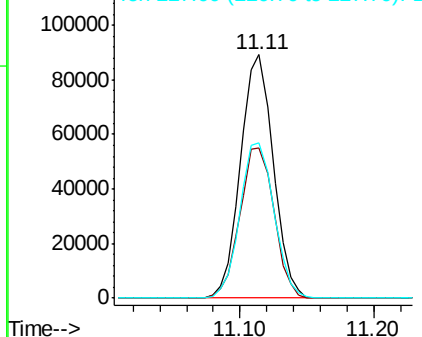
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

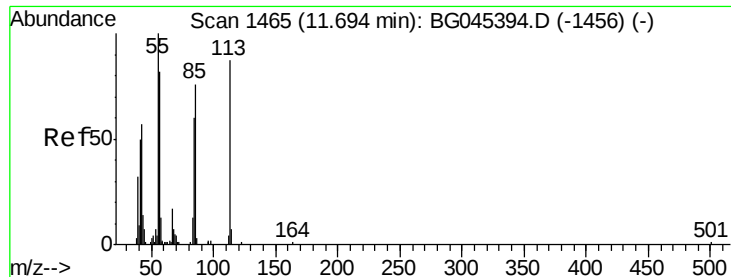


#34
Hexachlorobutadiene
Concen: 46.084 ng
RT: 11.11 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.4	49.1	73.7		
227	63.7	52.0	78.0		

Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 45.126 ng/ml

RT: 11.70 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

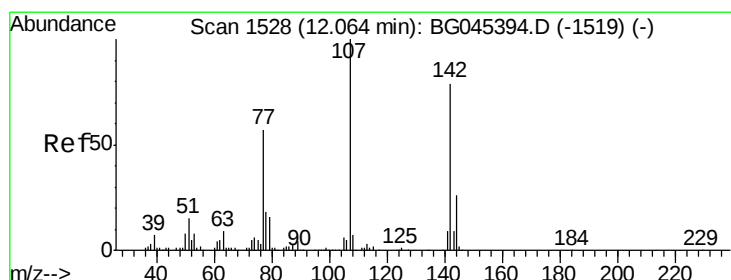
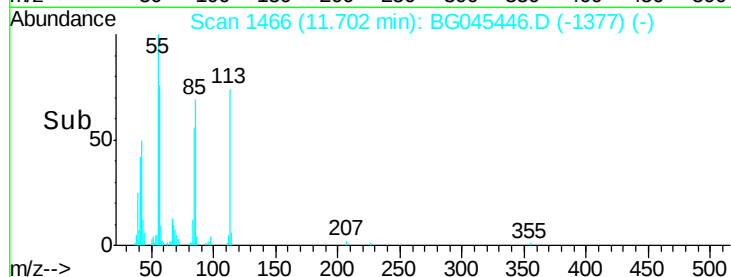
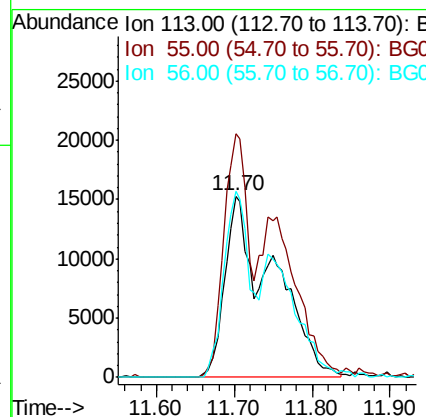
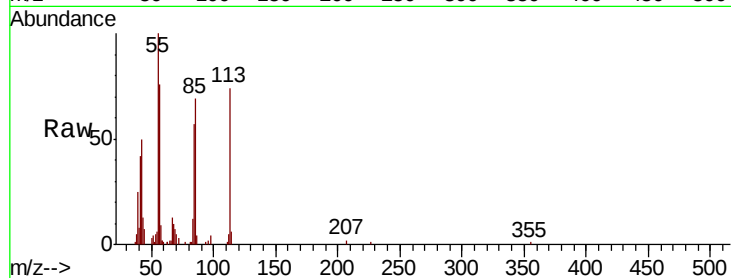
ClientSampleId :

TR-04-052020MSD

Tot Ion:	113	Resp:	65241
Ion	Ratio	Lower	Upper
113	100		
55	134.5	96.0	136.0
56	102.6	75.1	115.1

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#36

4-Chloro-3-methylphenol

Concen: 56.947 ng/ml

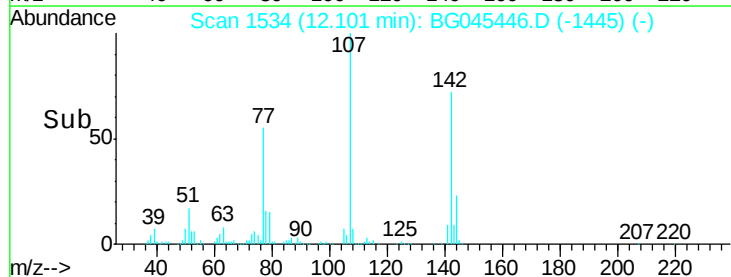
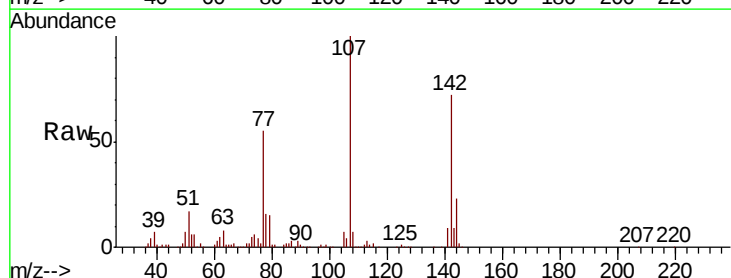
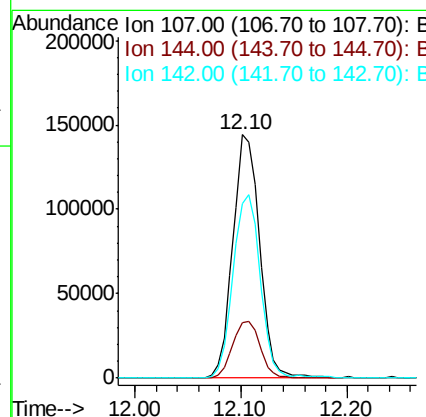
RT: 12.10 min Scan# 1534

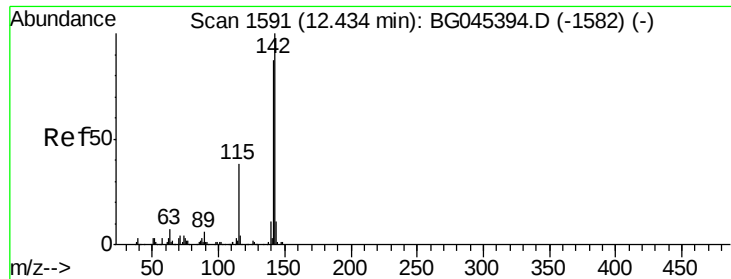
Delta R.T. -0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	107	Resp:	252757
Ion	Ratio	Lower	Upper
107	100		
144	22.9	20.8	31.2
142	71.8	62.8	94.2





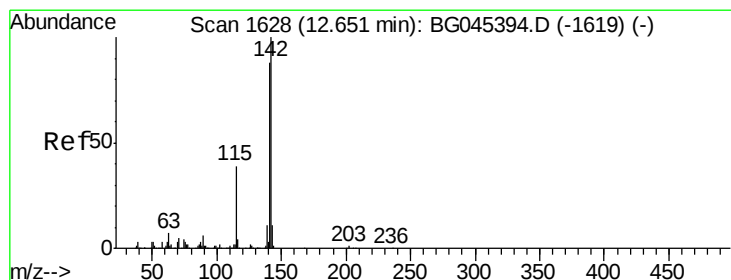
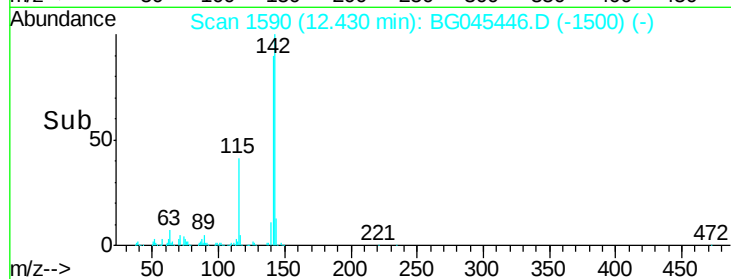
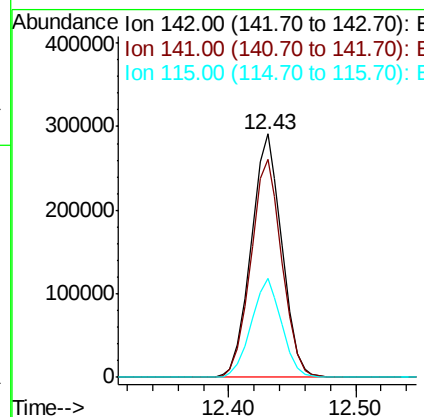
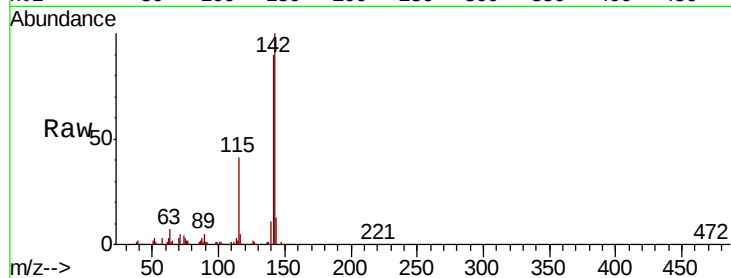
#37
 2-Methylnaphthalene
 Concen: 52.872 ng
 RT: 12.43 min Scan# 1590
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.0	105.0
115	40.9	30.8	46.2

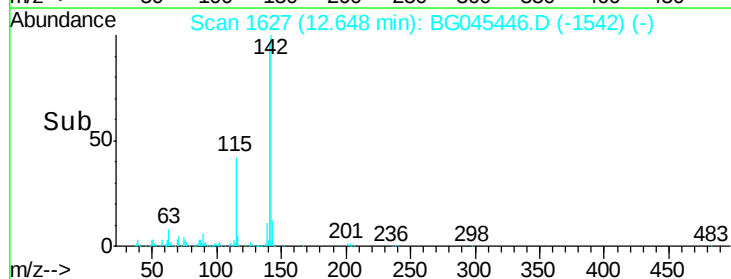
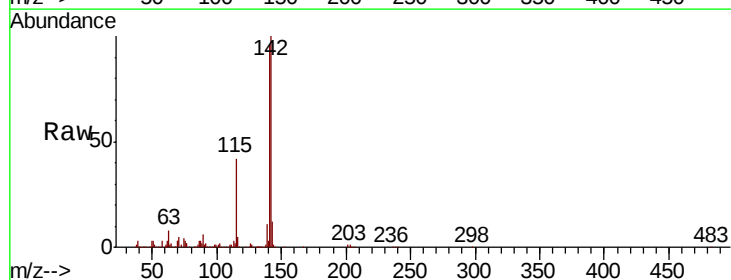
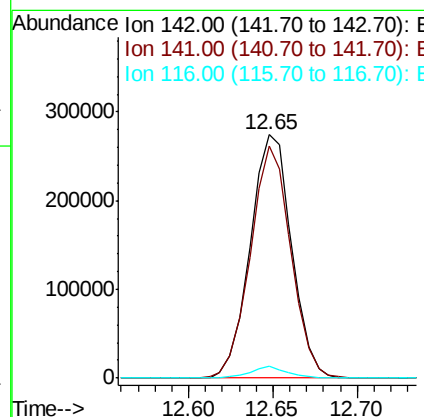
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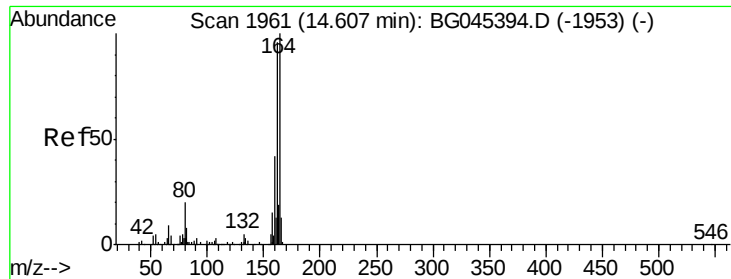
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#38
 1-Methylnaphthalene
 Concen: 53.537 ng m
 RT: 12.65 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.5	70.8	106.2
116	4.7	3.0	4.6#





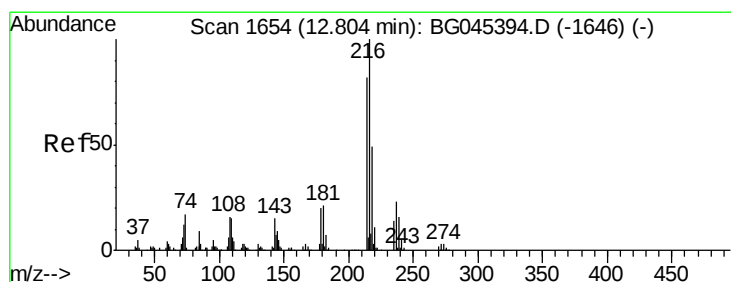
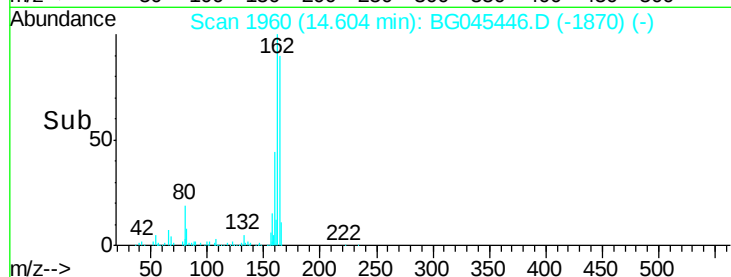
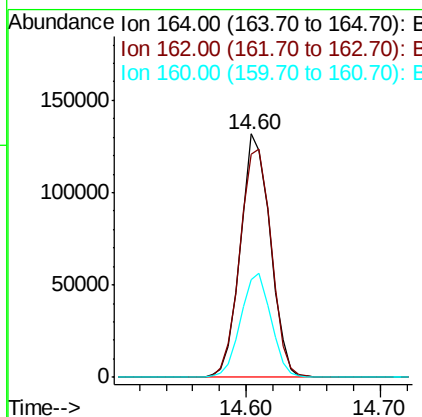
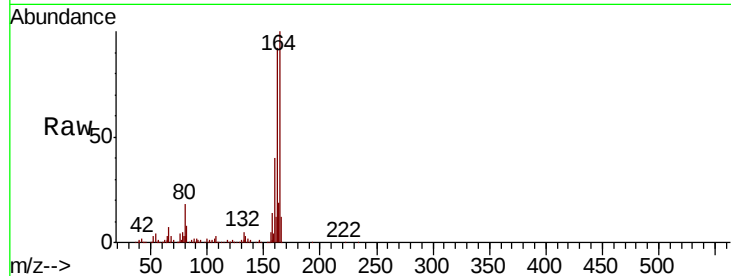
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1960
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	91.9	76.9	115.3
160	40.3	33.8	50.8

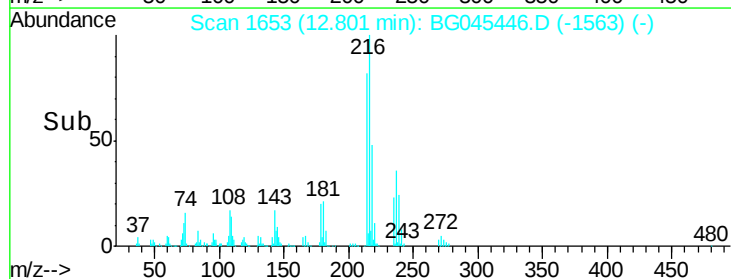
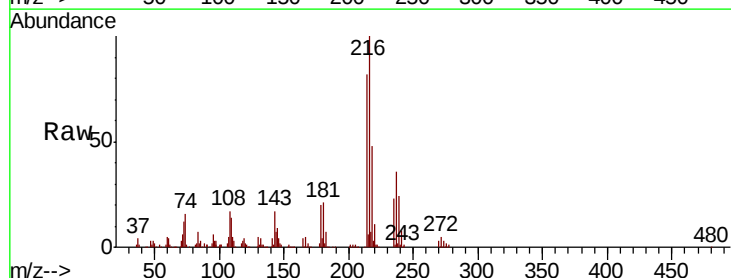
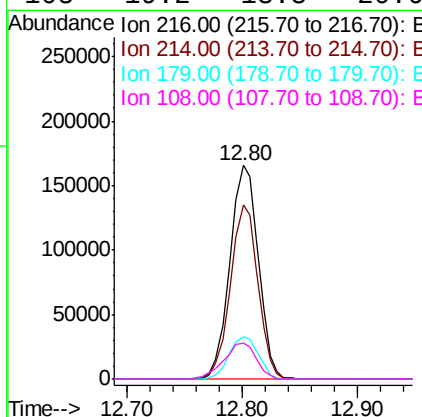
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.667 ng
RT: 12.80 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.7	95.5
179	20.4	16.1	24.1
108	19.2	13.8	20.6





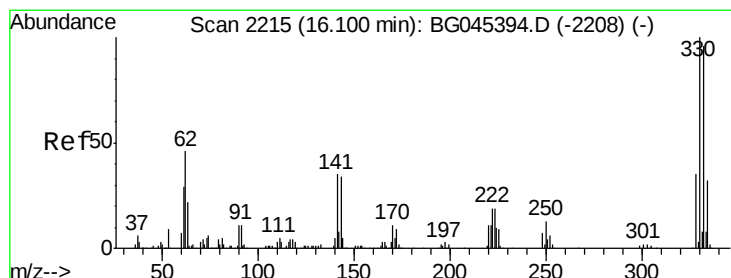
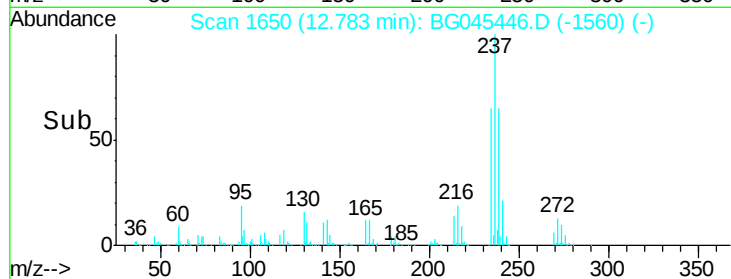
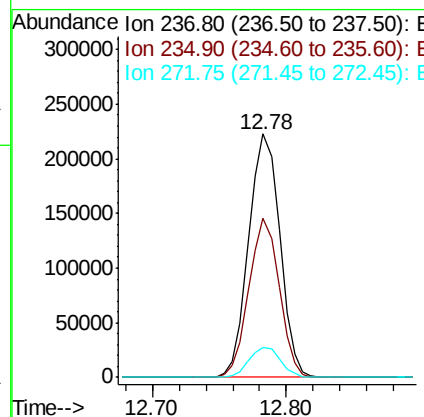
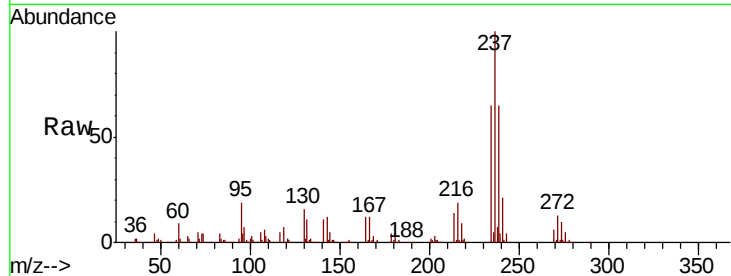
#41
Hexachlorocyclopentadiene
Concen: 109.571 ng
RT: 12.78 min Scan# 1650
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	65.2	44.4	84.4	
272	12.5	0.0	32.5	

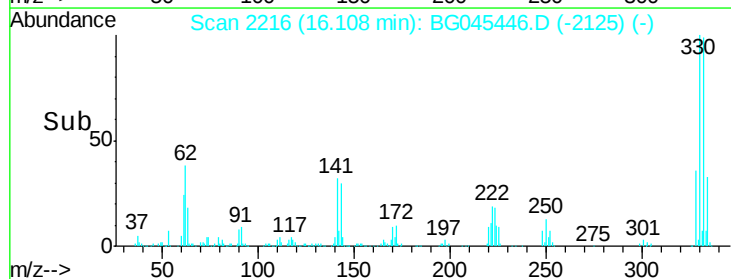
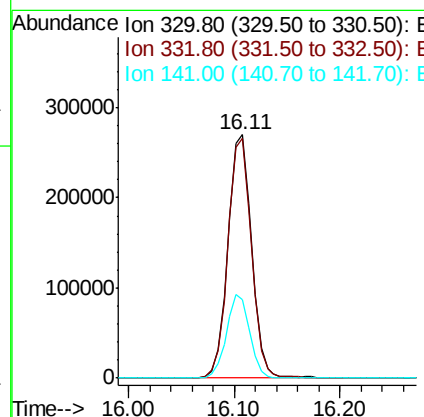
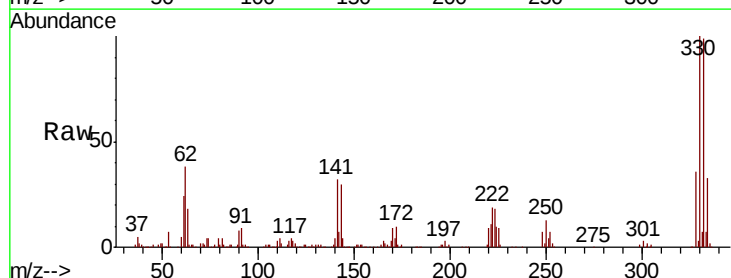
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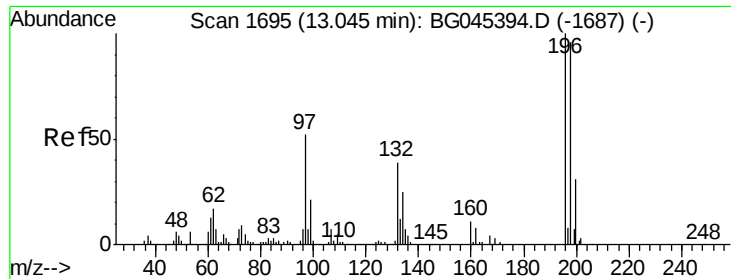
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#42
2,4,6-Tribromophenol
Concen: 161.261 ng
RT: 16.11 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	78.2	117.4	
141	33.8	28.2	42.4	





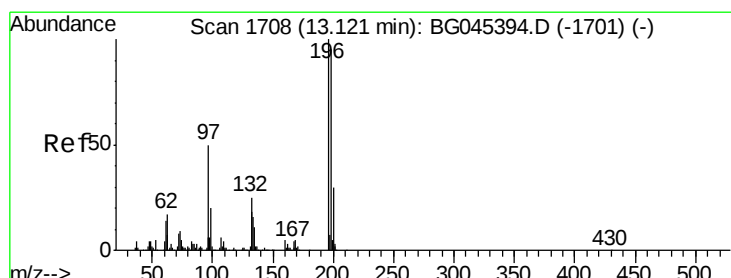
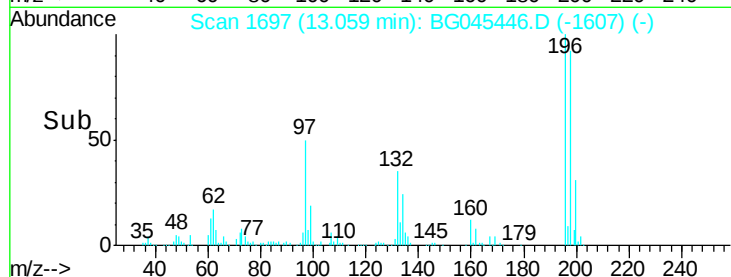
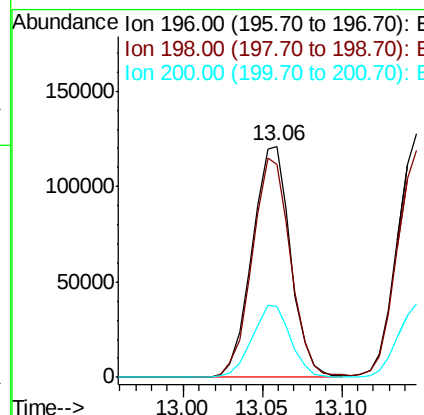
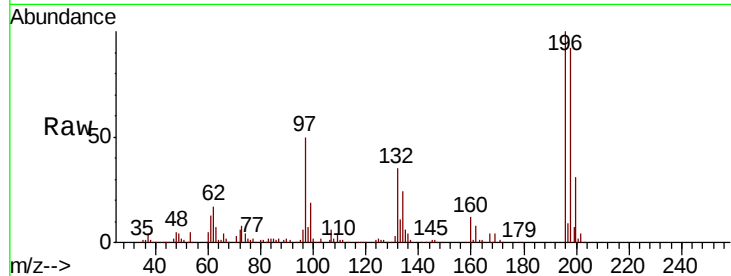
#43
 2,4,6-Trichlorophenol
 Concen: 51.711 ng
 RT: 13.06 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	203915		
198	92.2	76.7	115.1	
200	30.7	24.9	37.3	

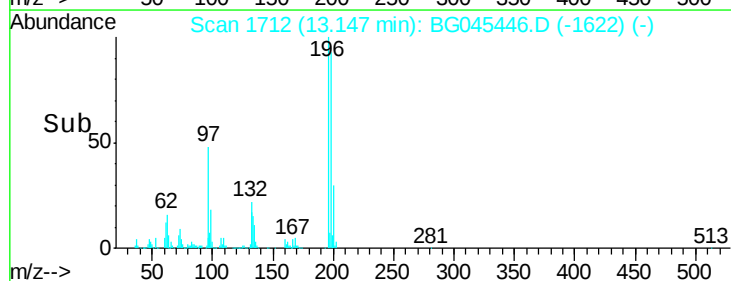
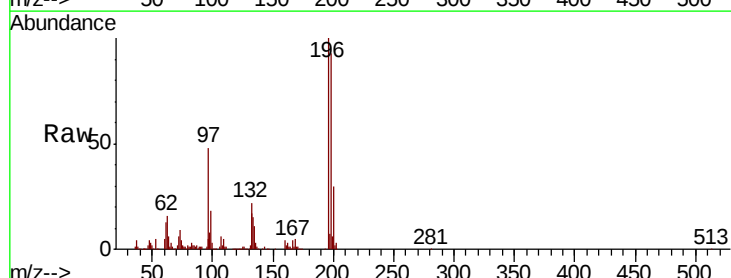
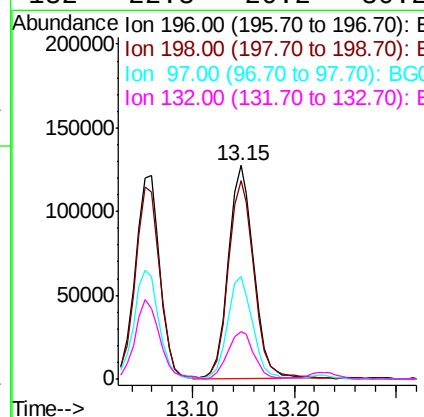
Manual Integrations
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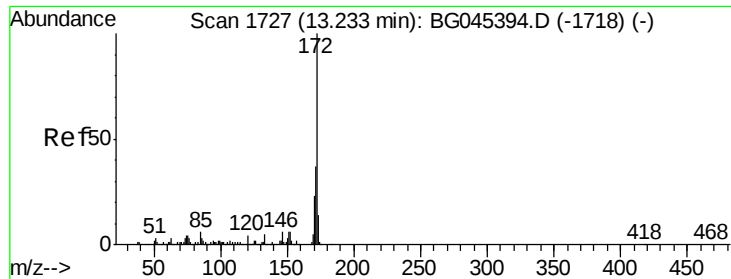
mohammad
 5/22/2020 2:56:25 PM



#44
 2,4,5-Trichlorophenol
 Concen: 48.957 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	220612		
198	93.1	76.1	114.1	
97	48.0	40.0	60.0	
132	22.3	20.2	30.2	





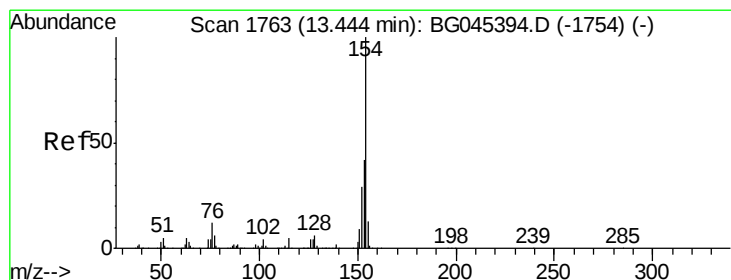
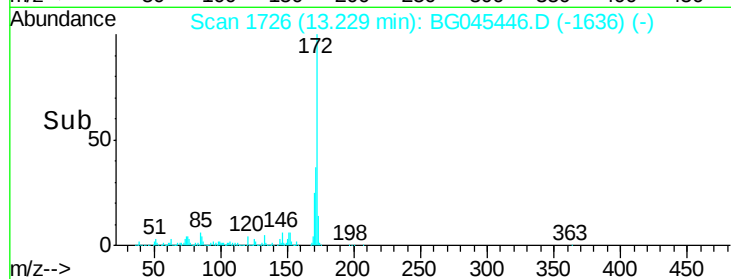
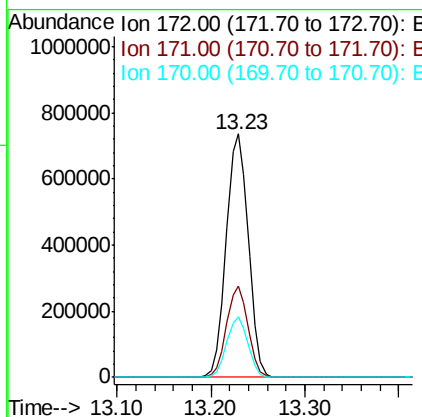
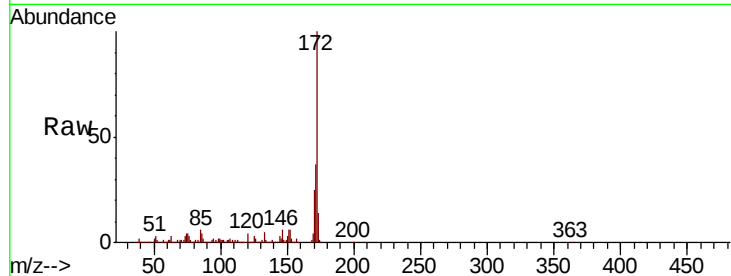
#45
2-Fluorobiphenyl
Concen: 100.285 ng
RT: 13.23 min Scan# 1726
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot	Ion:172	Resp:	1201591
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.5	44.3
170	24.8	18.5	27.7

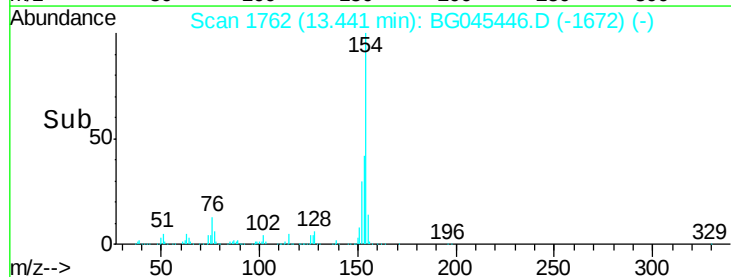
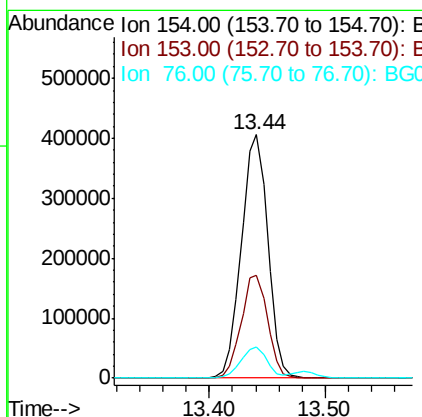
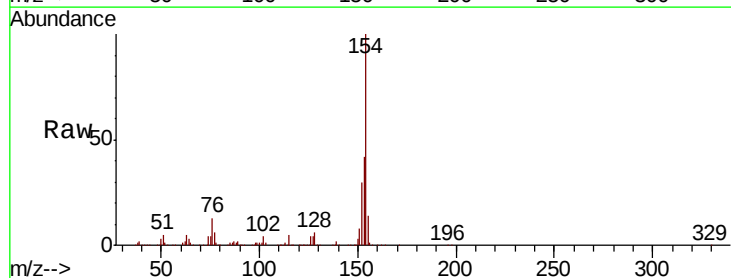
Manual Integrations
APPROVED

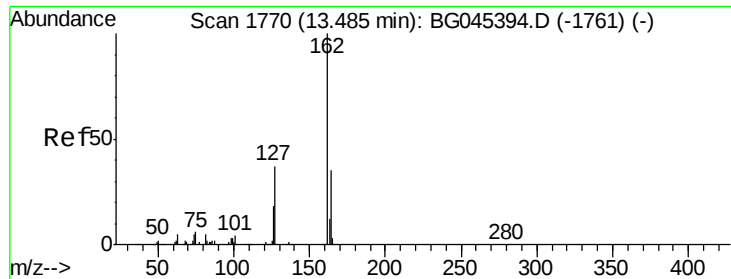
mohammad
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#46
1,1'-Biphenyl
Concen: 51.966 ng
RT: 13.44 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	154	Resp: Lower	648950 Upper
154	100		
153	42.4	22.2	62.2
76	12.8	0.0	32.4





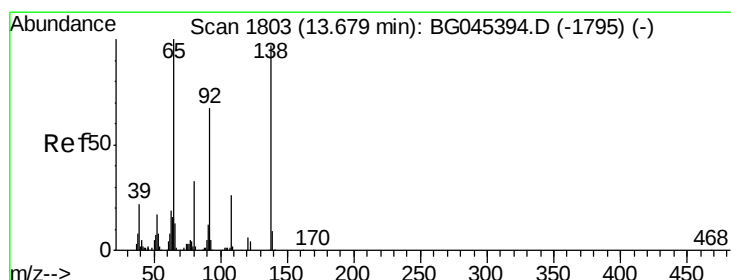
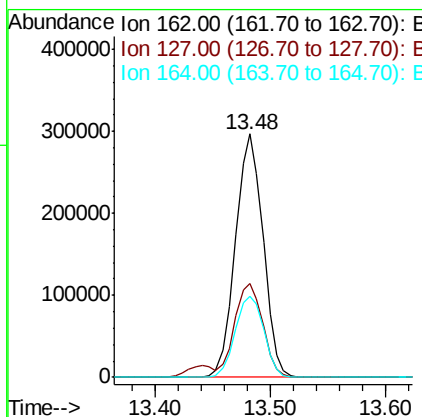
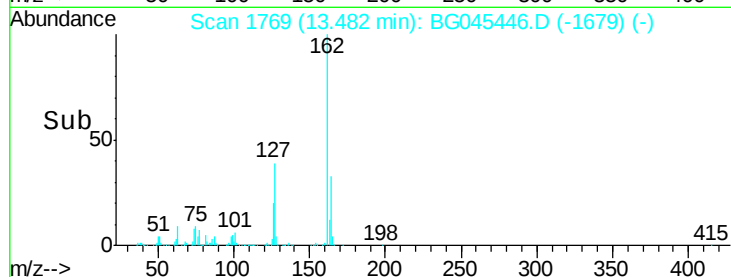
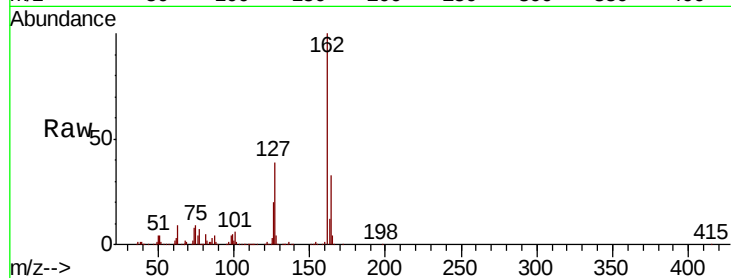
#47
2-Chloronaphthalene
Concen: 48.512 ng
RT: 13.48 min Scan# 1769
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	491941		
127	38.8	31.6	47.4	
164	33.4	28.1	42.1	

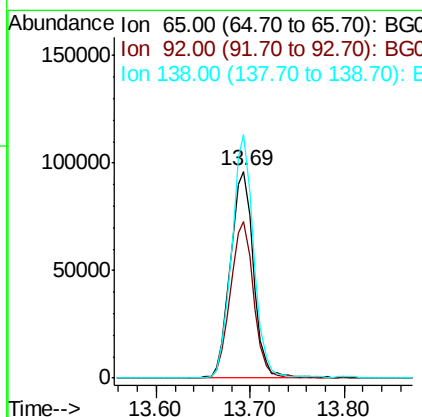
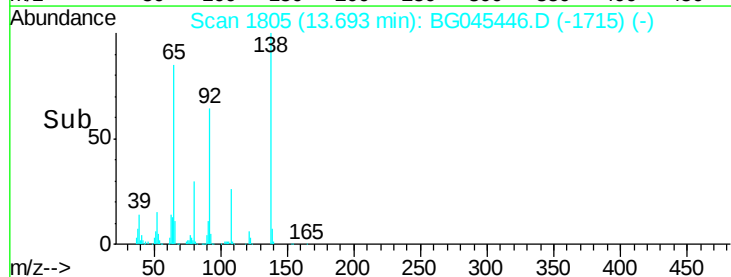
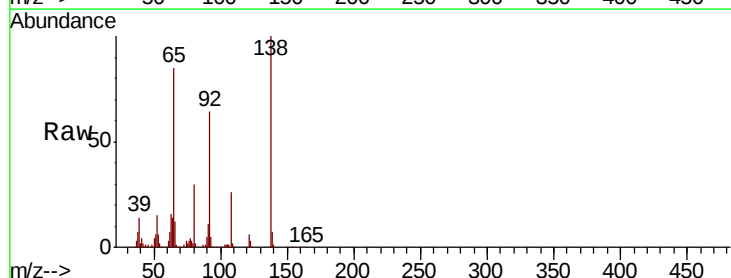
Manual Integrations
APPROVED

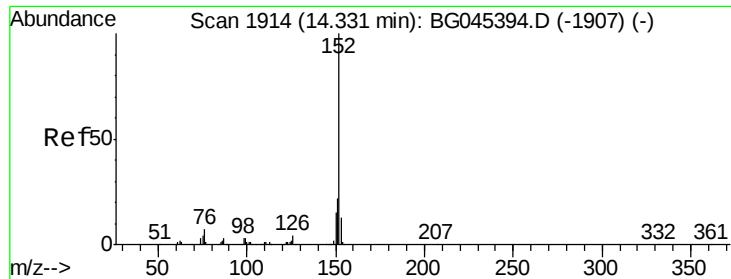
mohammad
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#48
2-Nitroaniline
Concen: 49.379 ng
RT: 13.69 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	164714		
92	75.5	53.8	80.8	
138	117.6	77.9	116.9	





#49

Acenaphthylene

Concen: 51.836 ng

RT: 14.33 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

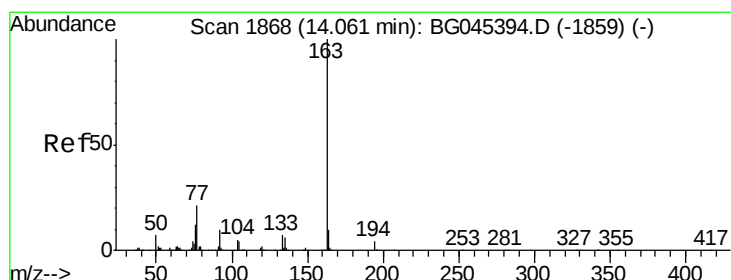
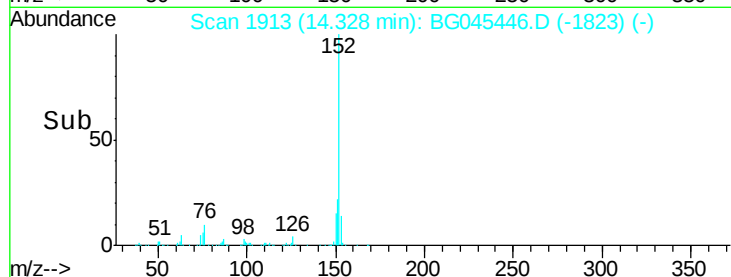
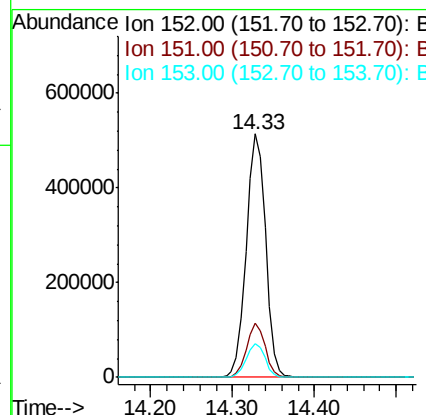
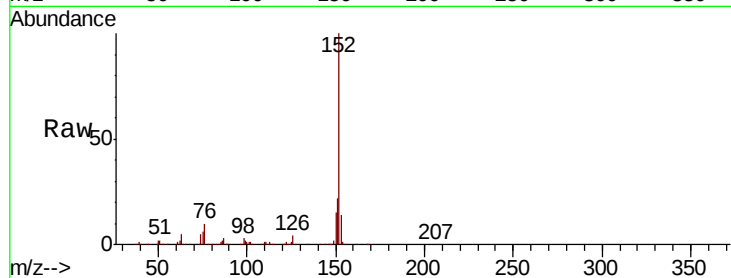
ClientSampleId :

TR-04-052020MSD

Tot Ion:	152	Resp:	844329
Ion Ratio	Lower	Upper	
152	100		
151	22.2	17.4	26.2
153	14.0	10.7	16.1

Manual Integrations
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#50

Dimethylphthalate

Concen: 51.227 ng

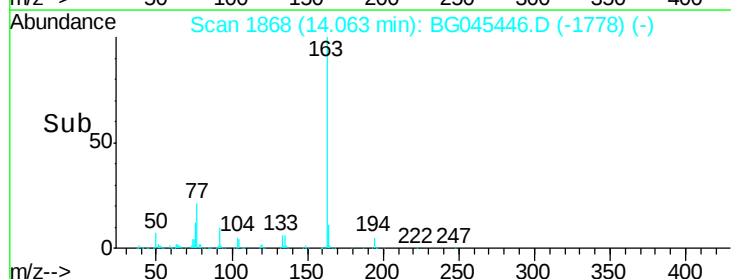
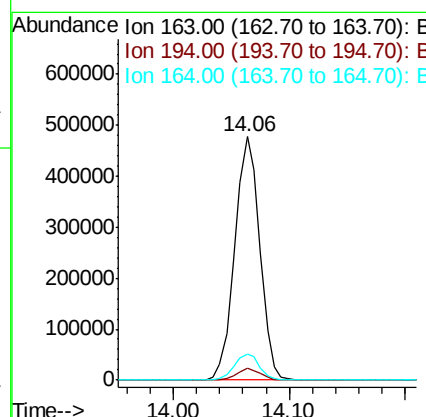
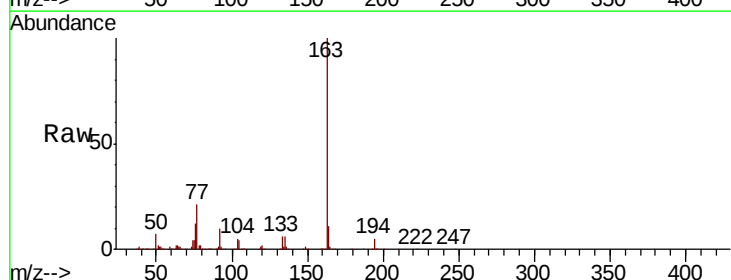
RT: 14.06 min Scan# 1868

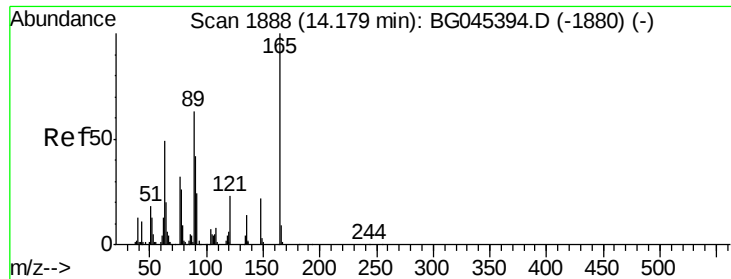
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	163	Resp:	714205
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.2	4.8
164	10.9	8.3	12.5





#51

2,6-Dinitrotoluene

Concen: 52.233 ng

RT: 14.18 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

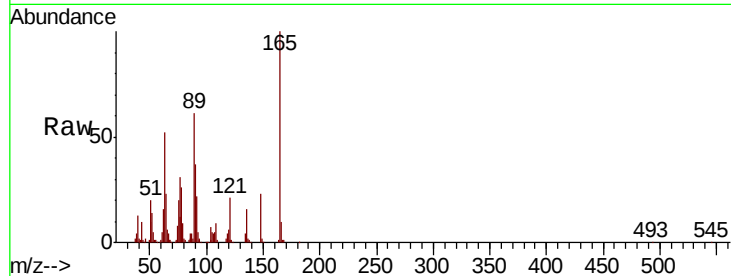
ClientSampleId :

TR-04-052020MSD

Tot Ion:	165	Resp:	164325
Ion Ratio	Lower	Upper	
165	100		
63	52.3	45.0	67.4
89	60.6	50.2	75.4

Manual Integrations
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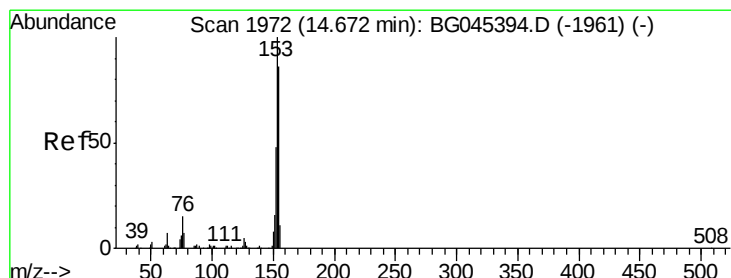
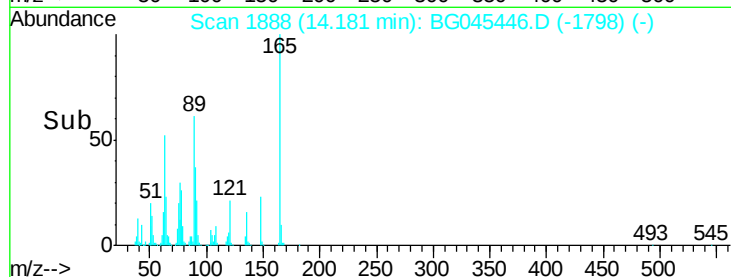
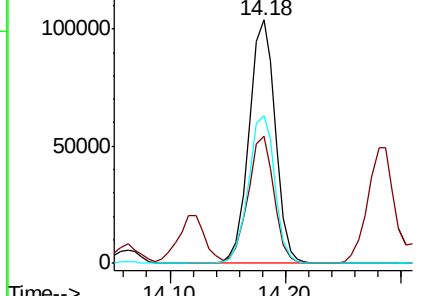
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 45.576 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BG045446.D

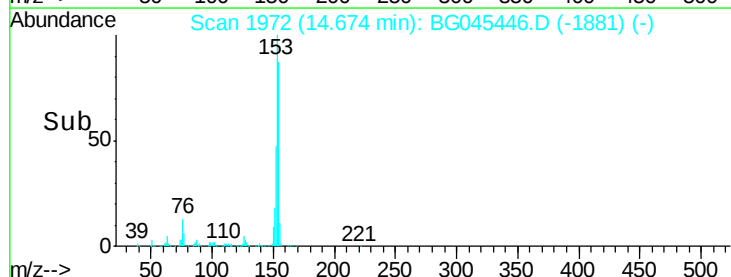
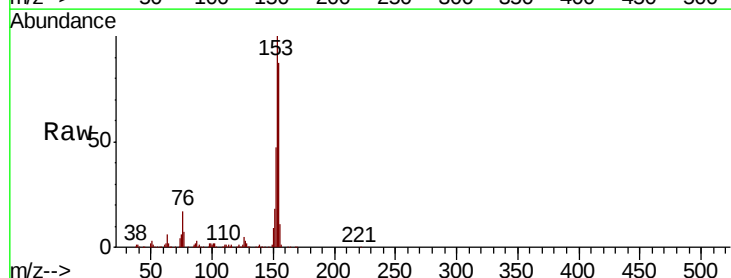
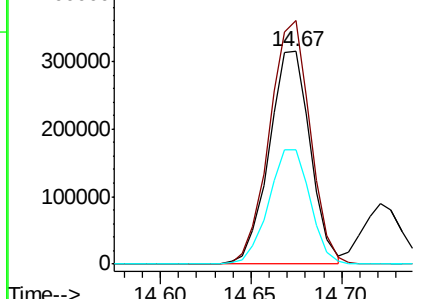
Acq: 21 May 2020 19:01

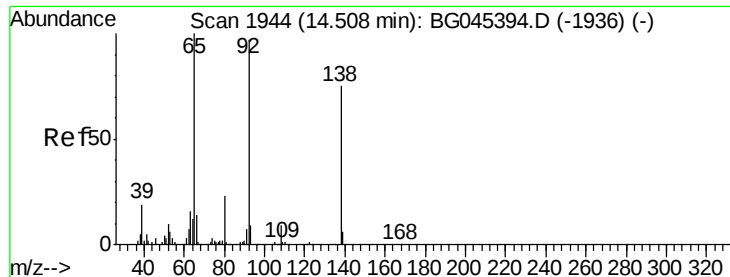
Tgt Ion:	154	Resp:	496920
Ion Ratio	Lower	Upper	
154	100		
153	114.5	92.8	139.2
152	53.7	44.6	66.8

Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





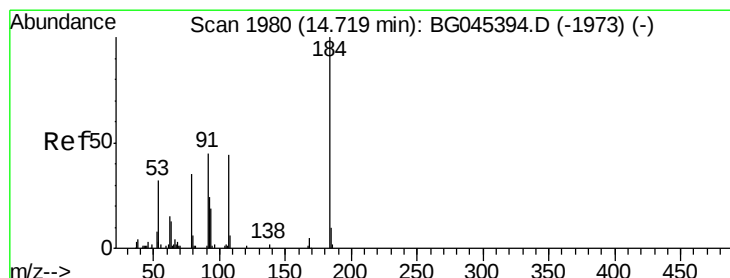
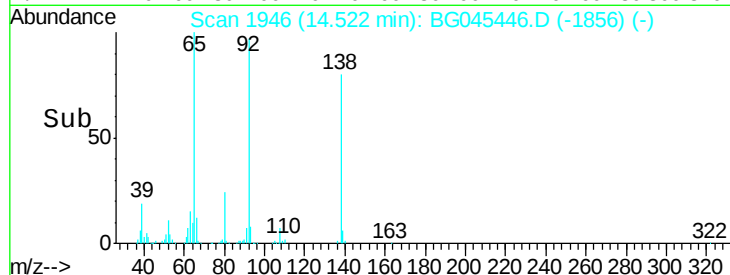
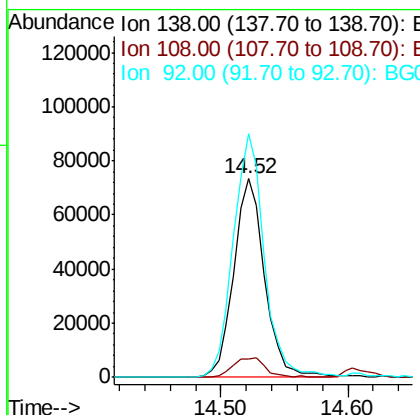
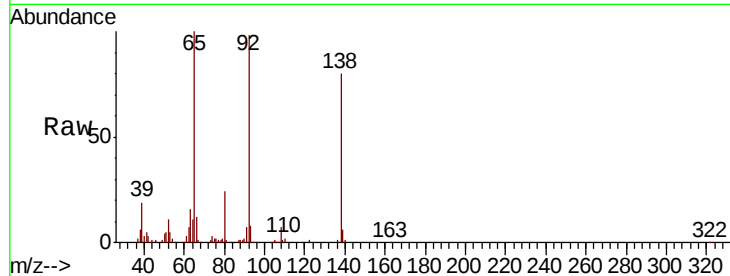
#53
3-Nitroaniline
Concen: 38.487 ng
RT: 14.52 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.3	9.8	14.6#
92	122.7	103.0	154.4

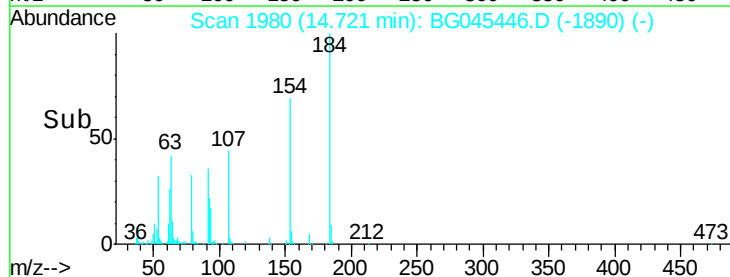
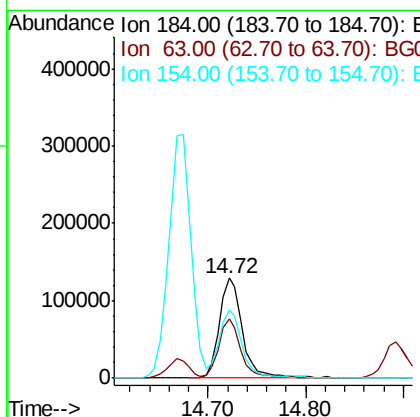
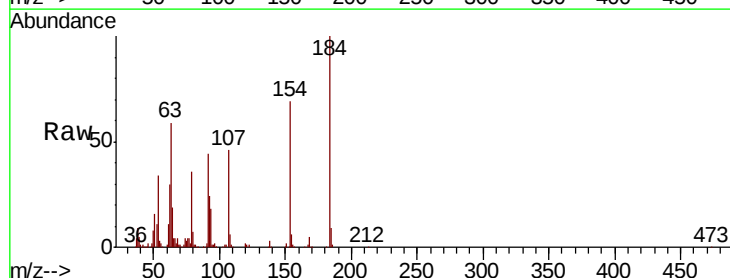
Manual Integrations
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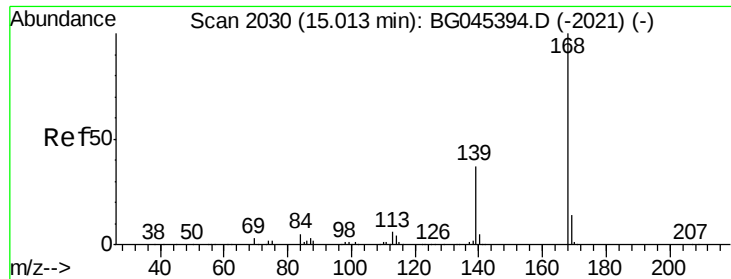
mohammad
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#54
2,4-Dinitrophenol
Concen: 101.347 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.3	47.8	71.6
154	69.0	58.3	87.5





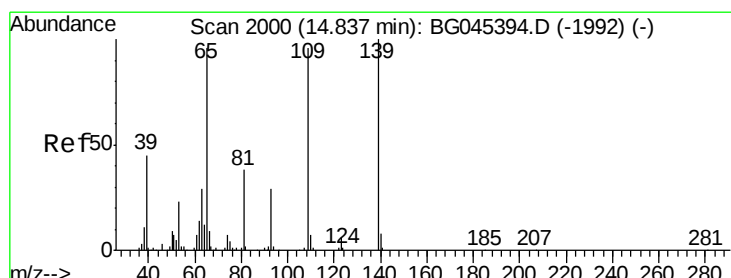
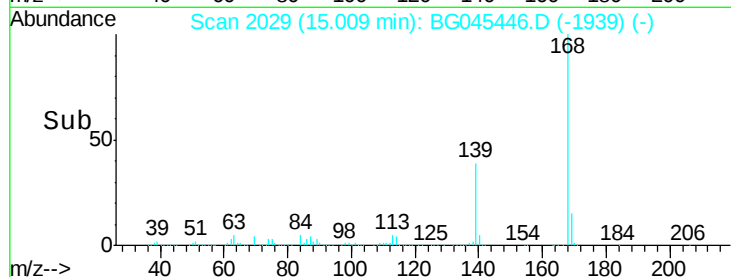
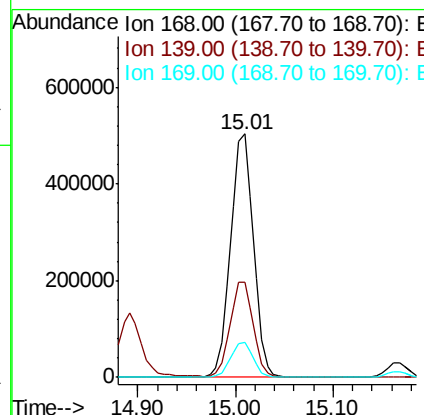
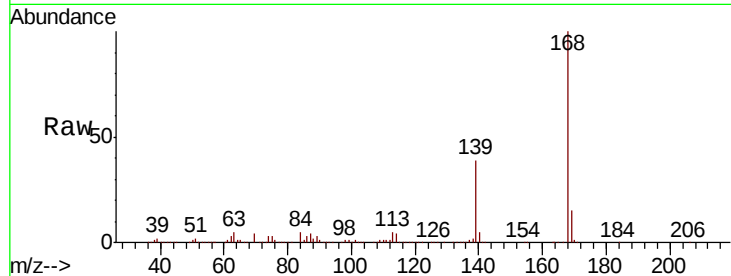
#55
Dibenzenofuran
Concen: 50.627 ng
RT: 15.01 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.2	29.9	44.9
169	14.6	10.9	16.3

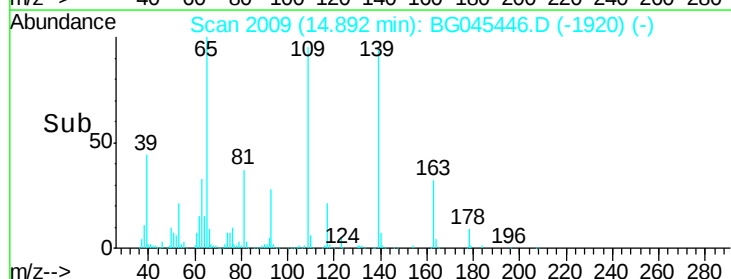
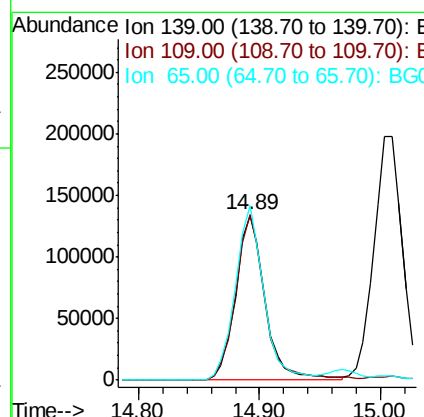
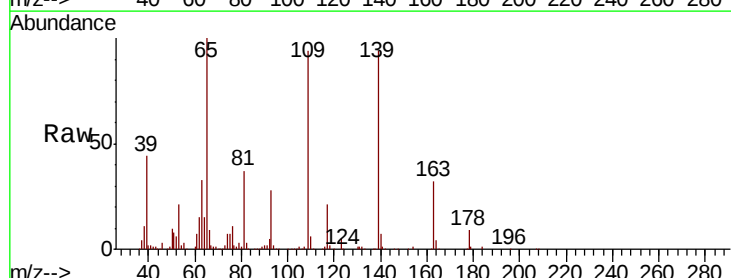
Manual Integrations
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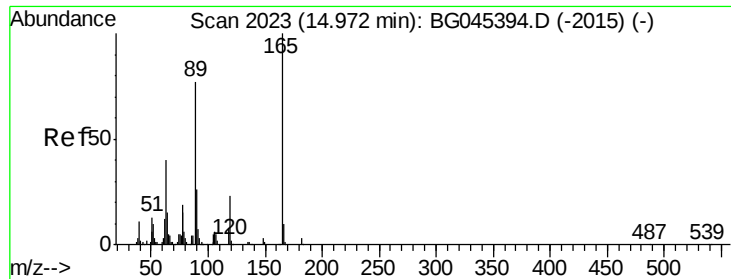
mohammad
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#56
4-Nitrophenol
Concen: 93.716 ng
RT: 14.89 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
139	100		
109	100.4	75.6	115.6
65	106.2	76.8	116.8





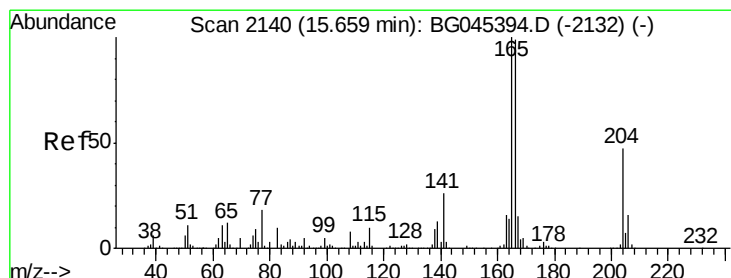
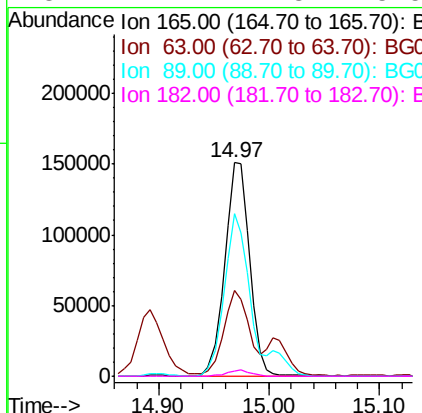
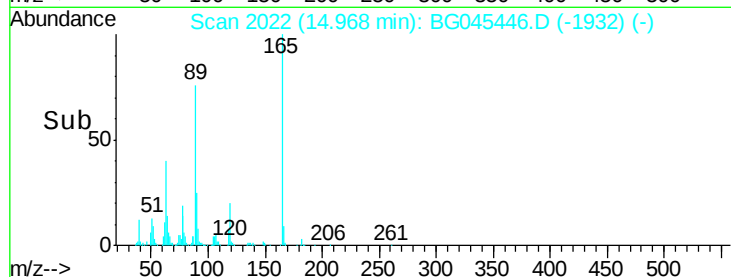
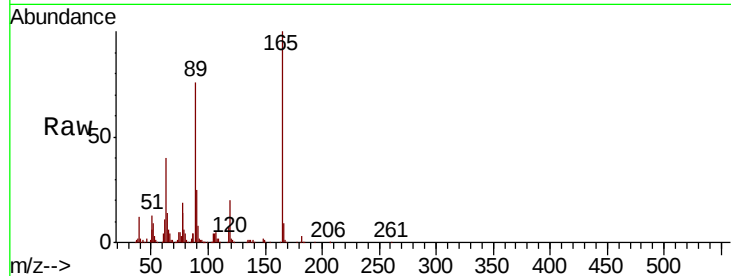
#57
2,4-Dinitrotoluene
Concen: 52.437 ng
RT: 14.97 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion:	165	Resp:	238916
Ion Ratio	Lower	Upper	
165	100		
63	40.4	32.5	48.7
89	76.0	61.8	92.6
182	2.7	2.3	3.5

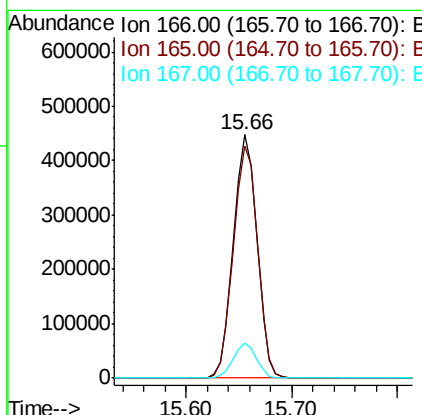
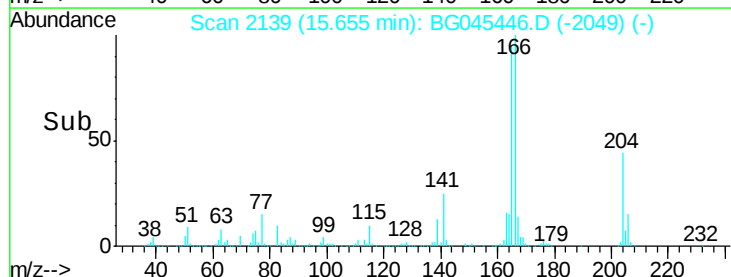
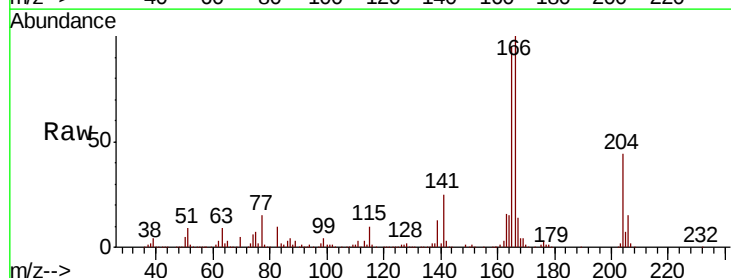
Manual Integrations
APPROVED

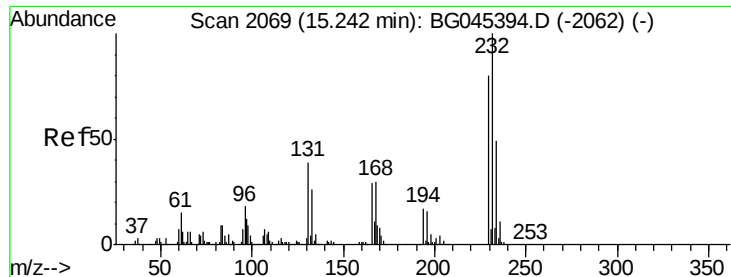
mohammad
5/22/2020 2:56:25 PM



#58
Fluorene
Concen: 51.908 ng
RT: 15.66 min Scan# 2139
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion:	166	Resp:	690483
Ion Ratio	Lower	Upper	
166	100		
165	95.3	80.8	121.2
167	14.2	12.0	18.0





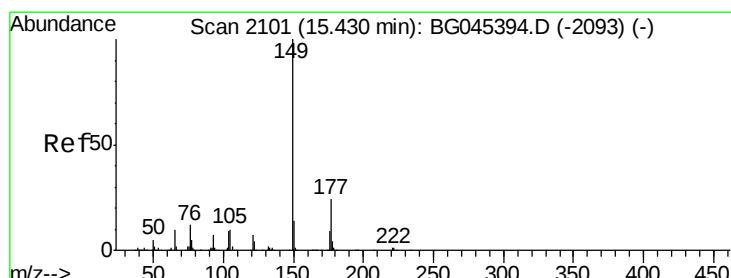
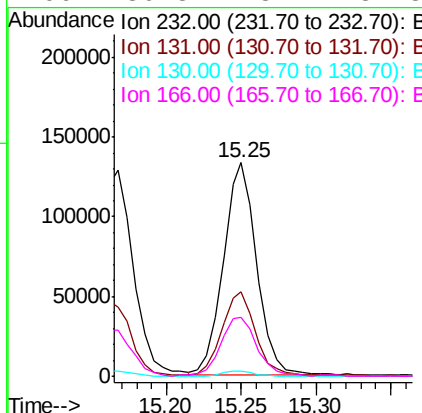
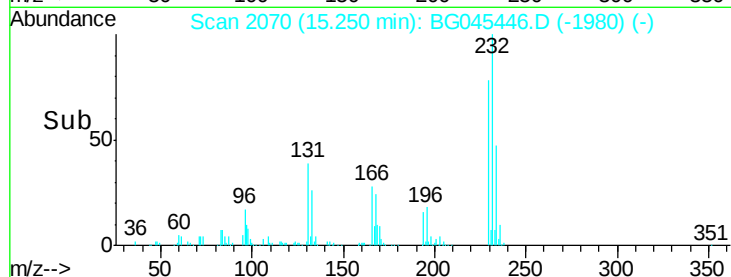
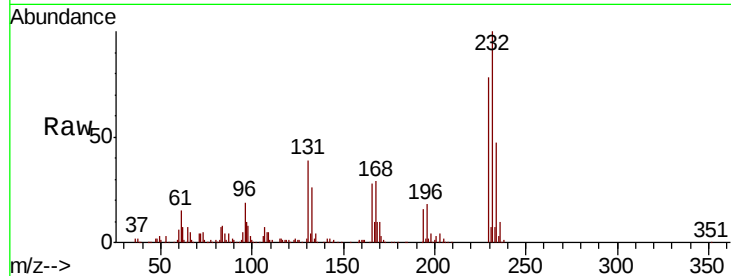
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.039 ng
RT: 15.25 min Scan# 2070
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	39.6	33.7	50.5
130	2.6	2.1	3.1
166	30.8	23.2	34.8

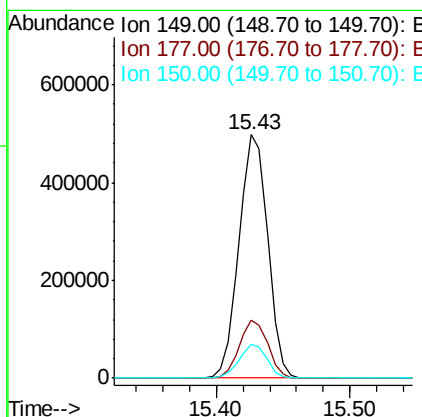
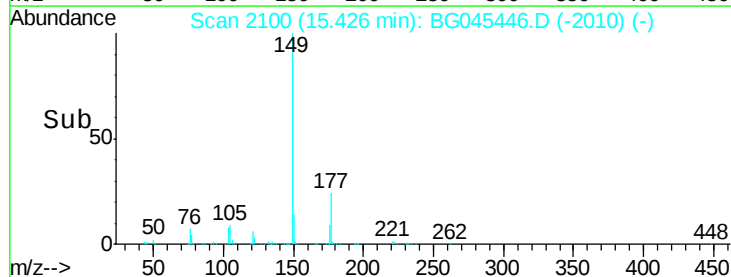
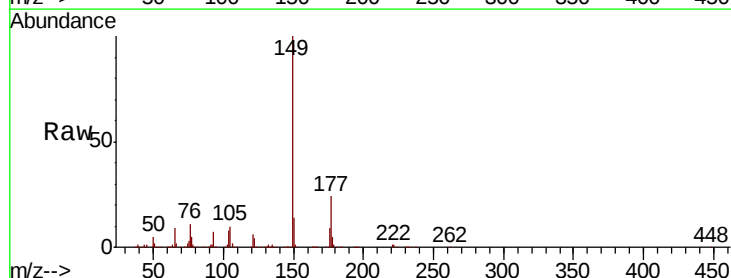
Manual Integrations
APPROVED

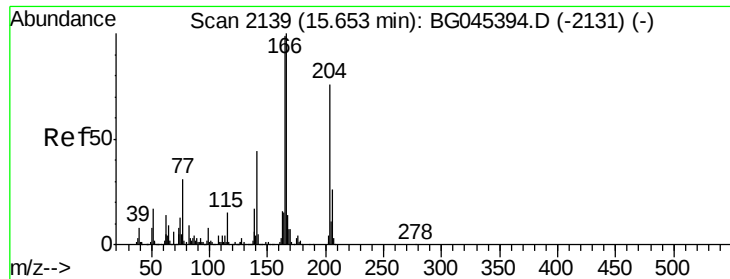
mohammad
5/22/2020 2:56:25 PM



#60
Diethylphthalate
Concen: 50.978 ng
RT: 15.43 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.0	28.4
150	13.8	11.4	17.0





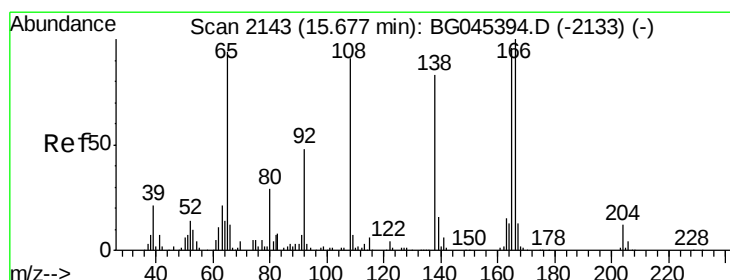
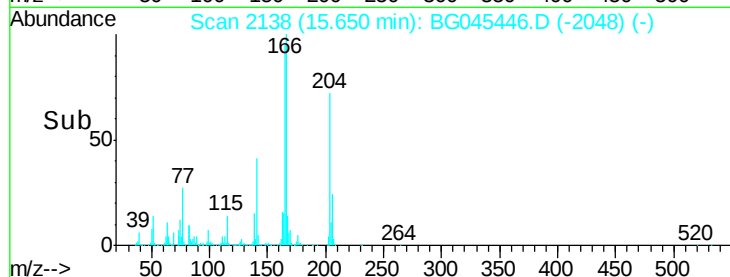
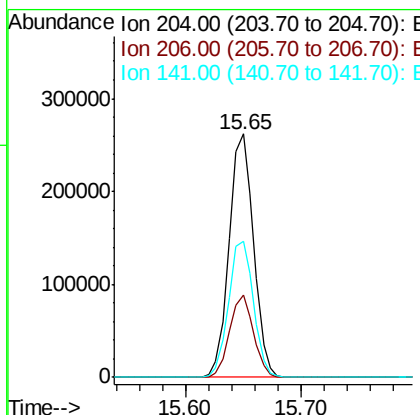
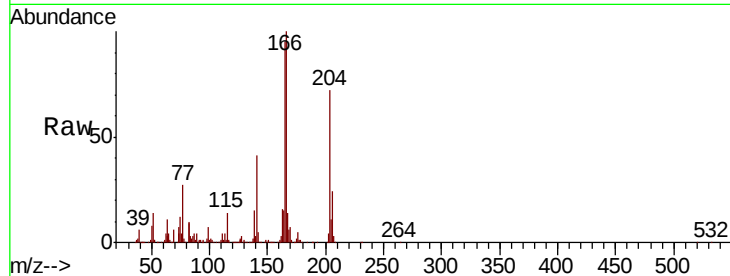
#61
4-Chlorophenyl-phenylether
Concen: 50.520 ng
RT: 15.65 min Scan# 2138
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.3	40.9
141	56.1	45.9	68.9

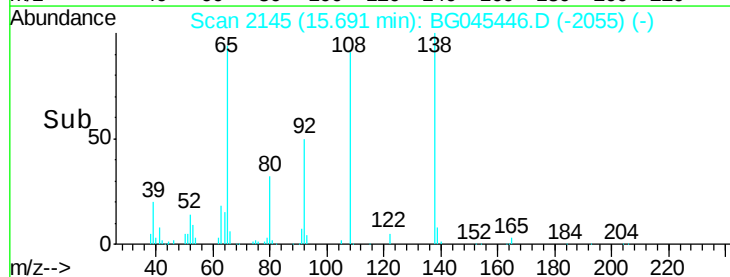
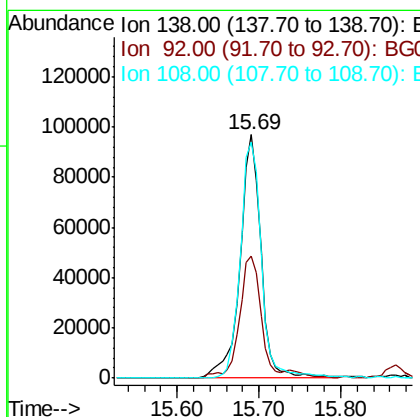
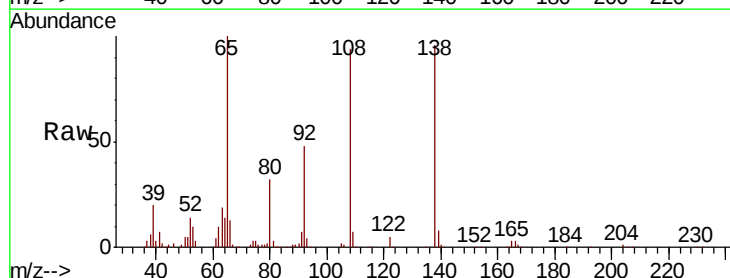
Manual Integrations
APPROVED

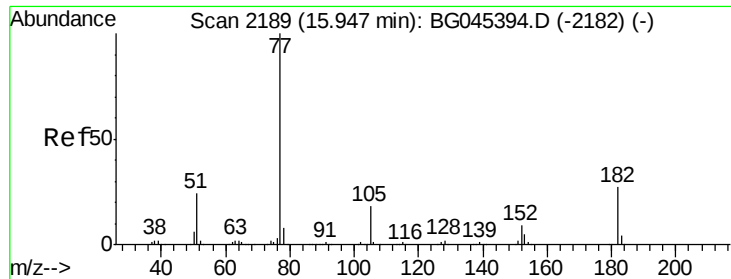
mohammad
5/22/2020 2:56:25 PM



#62
4-Nitroaniline
Concen: 52.073 ng
RT: 15.69 min Scan# 2145
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	38.0	78.0
108	97.1	89.3	129.3





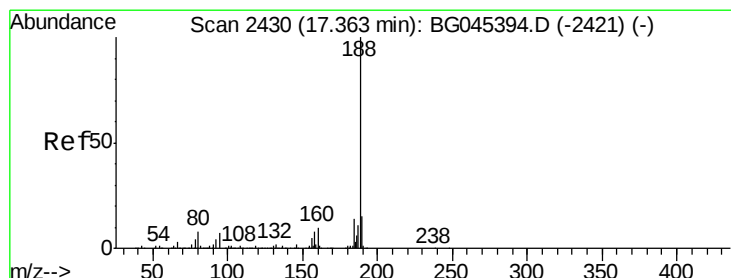
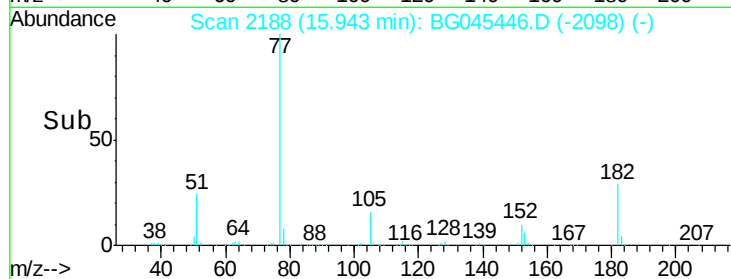
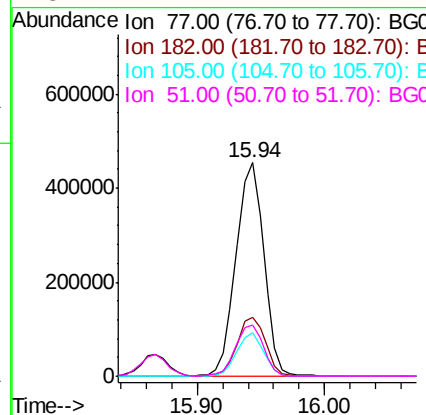
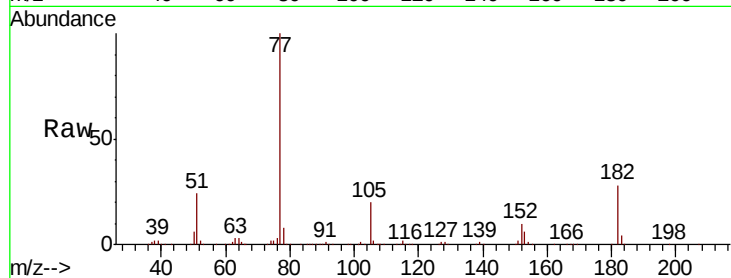
#63
Azobenzene
Concen: 50.987 ng
RT: 15.94 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		689897		
182	27.8	6.5	46.5		
105	20.1	0.0	37.9		
51	24.1	4.1	44.1		

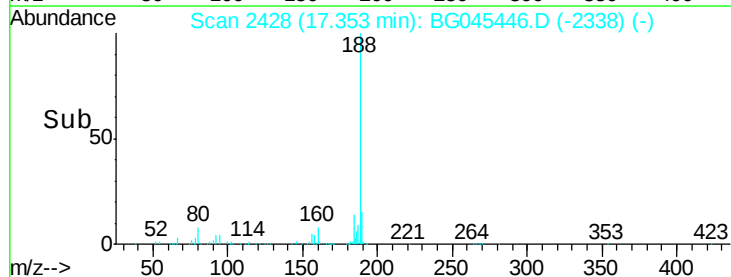
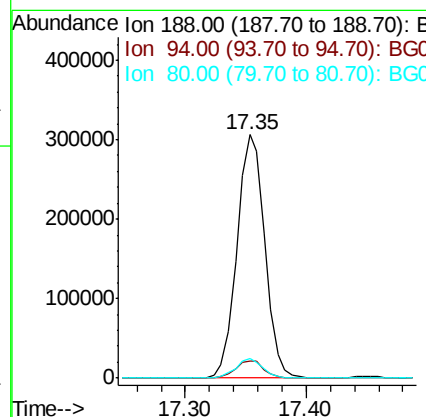
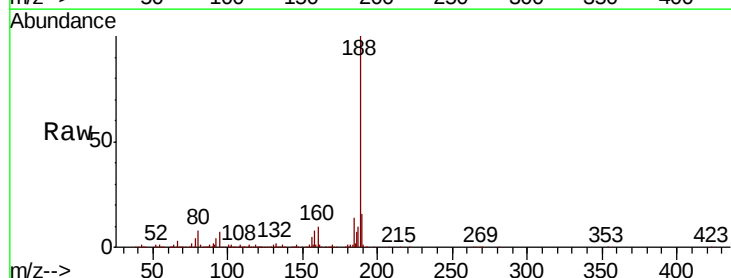
Manual Integrations
APPROVED

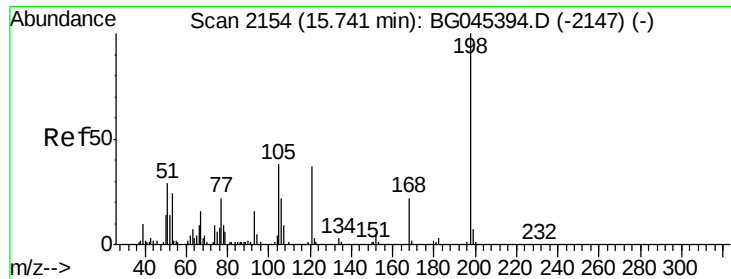
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		490377		
94	7.0	5.5	8.3		
80	8.0	6.6	10.0		





#65

4,6-Dinitro-2-methylphenol

Concen: 53.348 ng

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MSD

Tot Ion:198 Resp: 152360

Ion Ratio Lower Upper

198 100

51 35.5 10.0 50.0

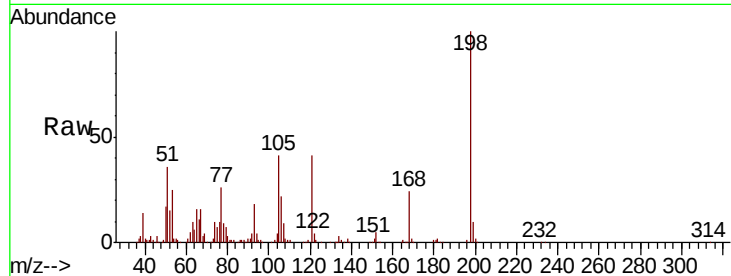
105 41.3 18.9 58.9

Manual Integrations

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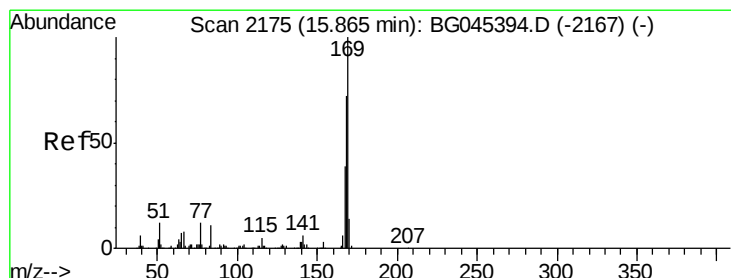
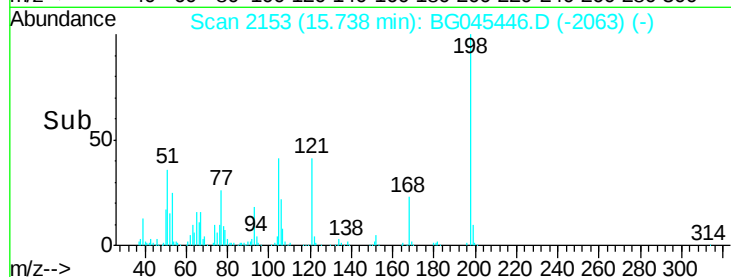
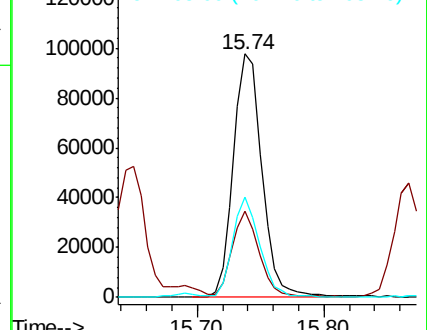
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 52.609 ng

RT: 15.87 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

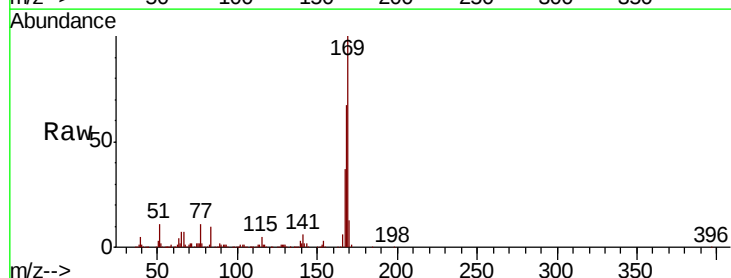
Tgt Ion:169 Resp: 619413

Ion Ratio Lower Upper

169 100

168 67.2 57.8 86.6

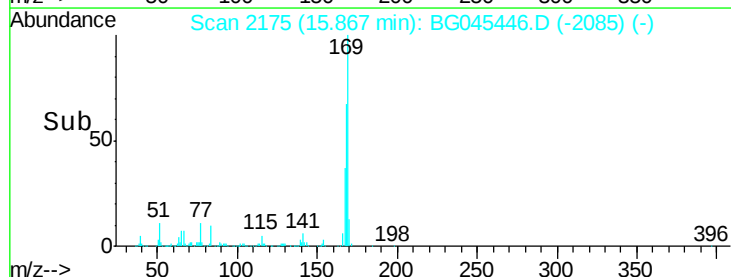
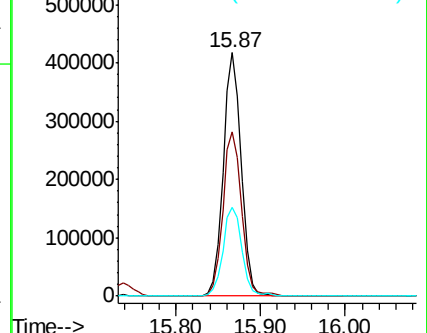
167 36.6 31.5 47.3

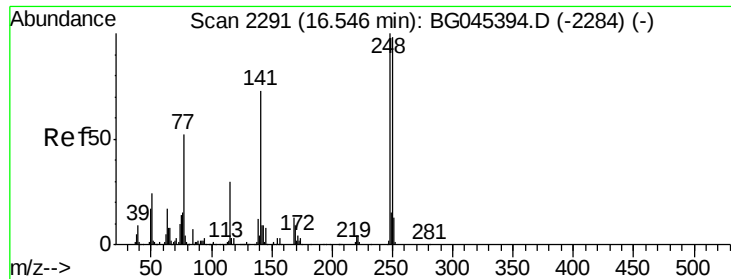


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





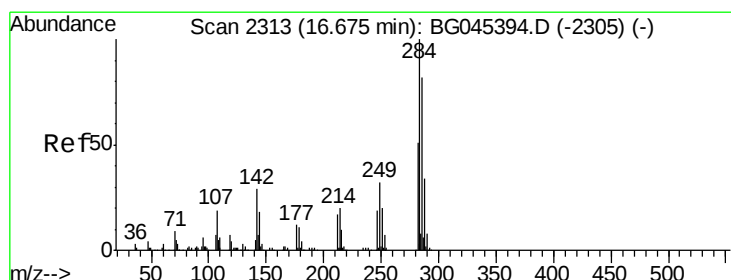
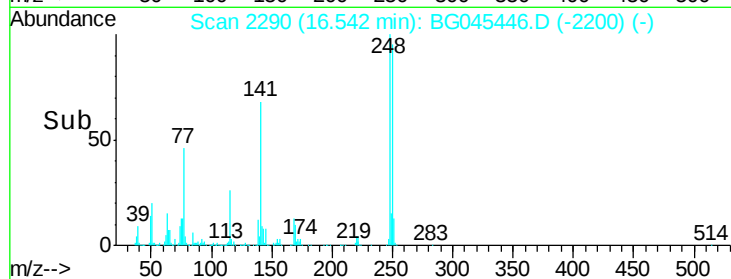
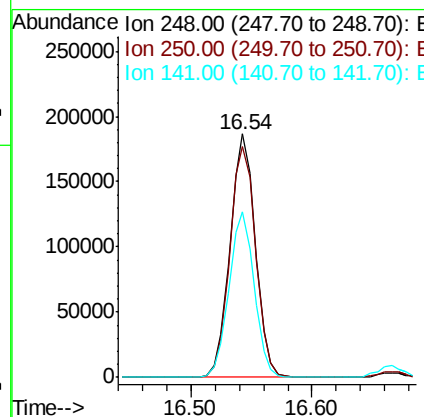
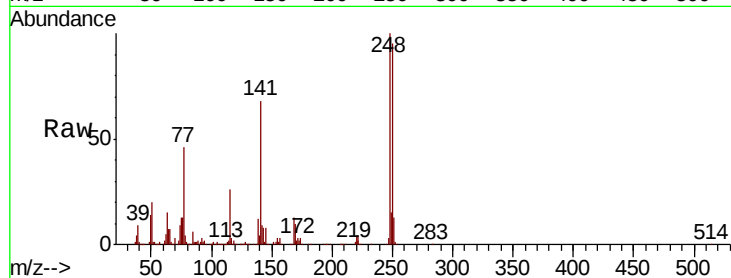
#67
4-Bromophenyl-phenylether
Concen: 51.053 ng
RT: 16.54 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.0	78.6	117.8
141	68.1	58.2	87.2

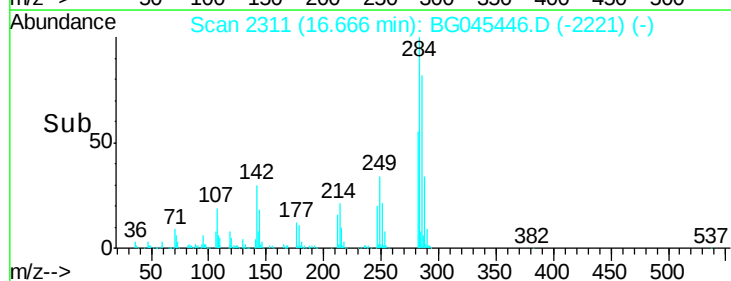
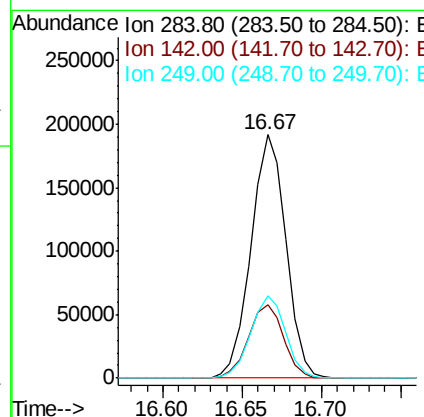
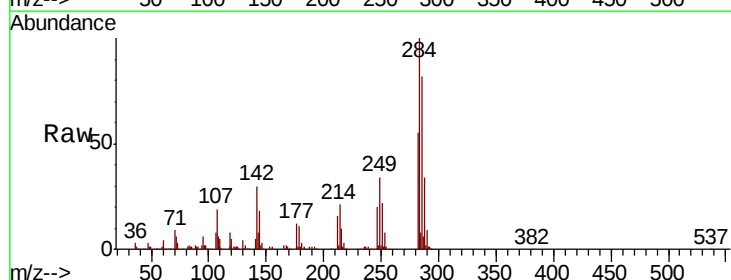
Manual Integrations
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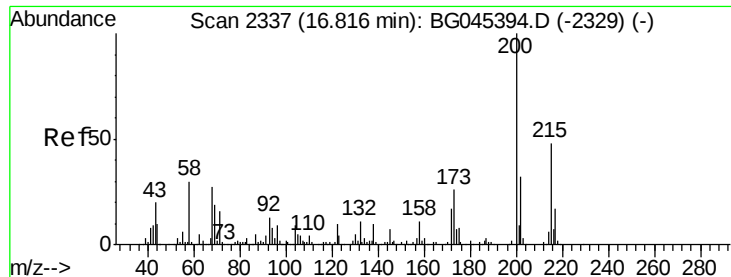
mohammad
5/22/2020 2:56:25 PM



#68
Hexachlorobenzene
Concen: 52.834 ng
RT: 16.67 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.2	23.0	34.6
249	33.7	25.8	38.6





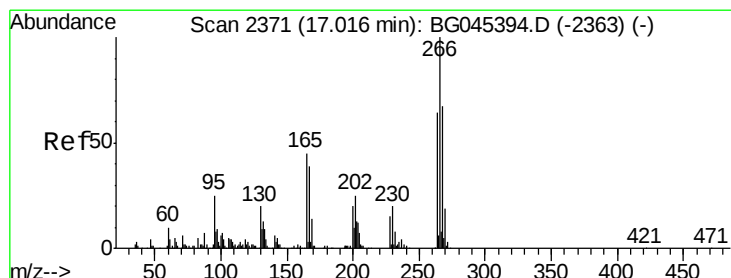
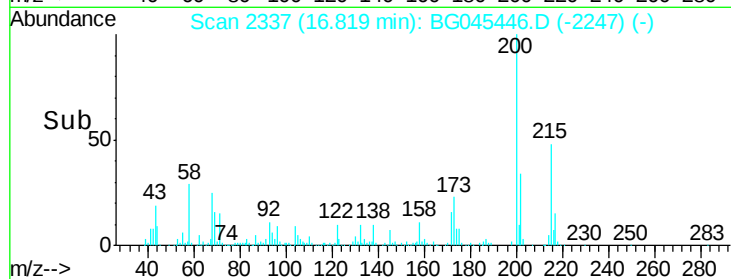
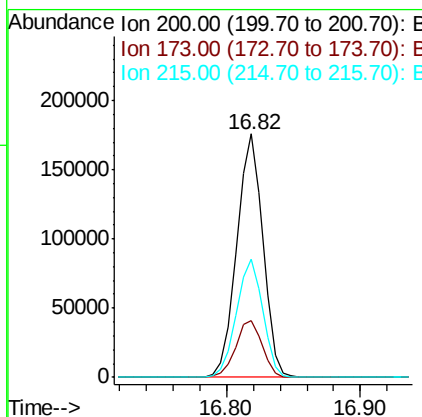
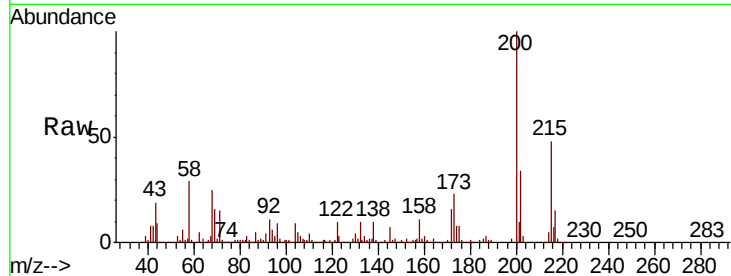
#69
Atrazine
Concen: 49.212 ng
RT: 16.82 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	23.4	5.5	45.5
215	48.3	28.2	68.2

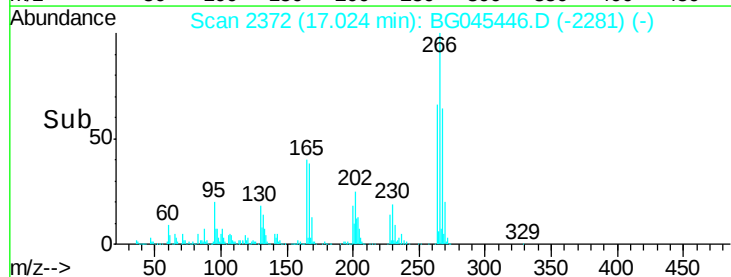
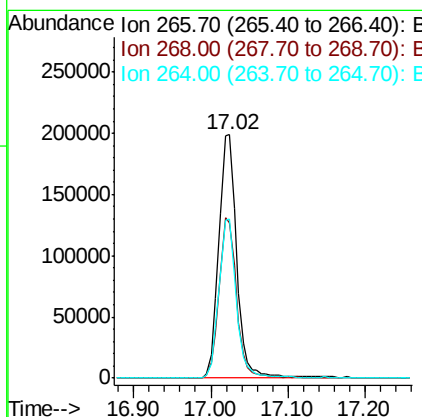
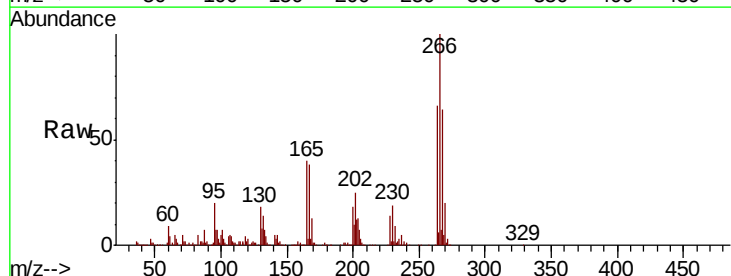
Manual Integrations
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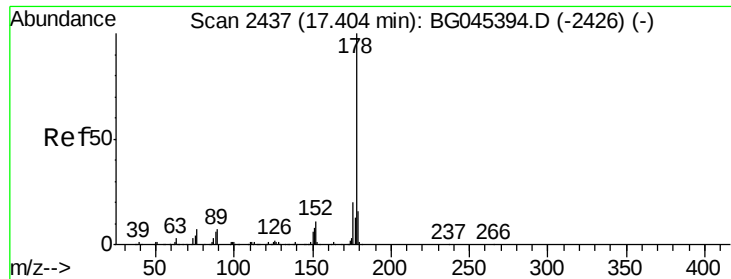
mohammad
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#70
Pentachlorophenol
Concen: 111.702 ng
RT: 17.02 min Scan# 2372
Delta R.T. 0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	53.2	79.8
264	65.6	51.0	76.4





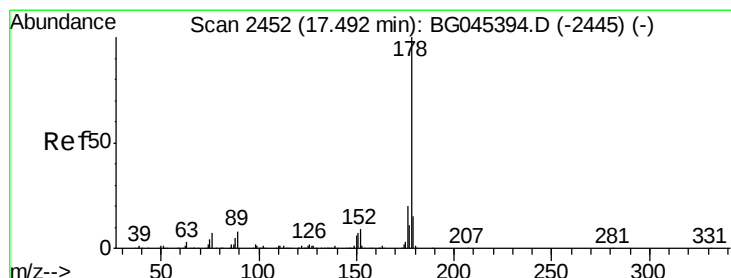
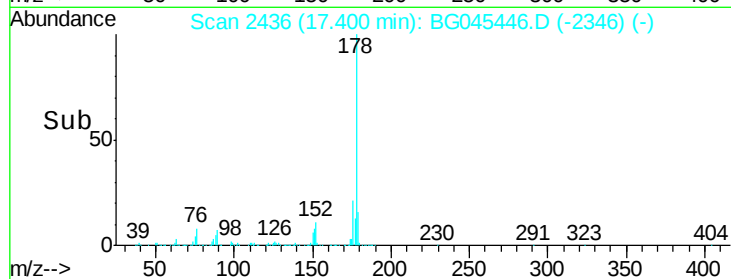
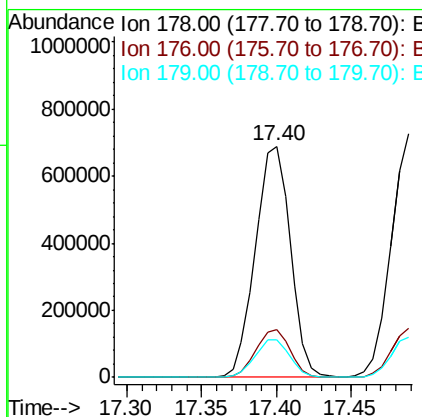
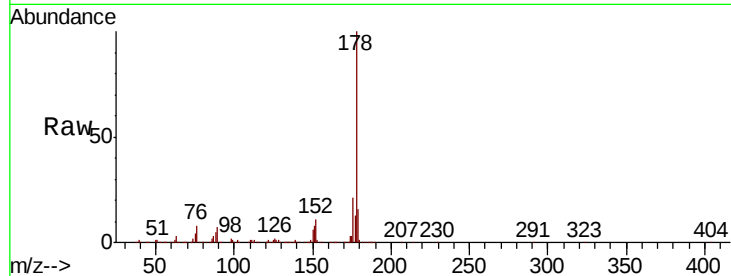
#71
Phenanthrene
Concen: 52.225 ng
RT: 17.40 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	20.6	16.2	24.4	
179	16.4	13.1	19.7	

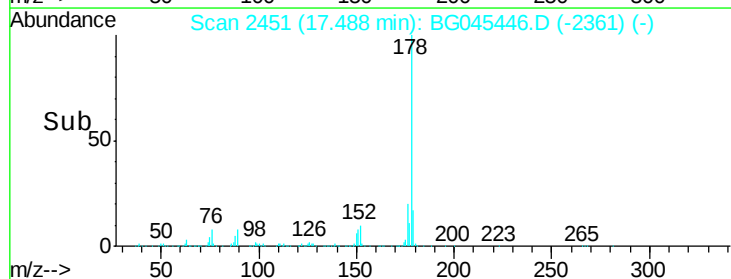
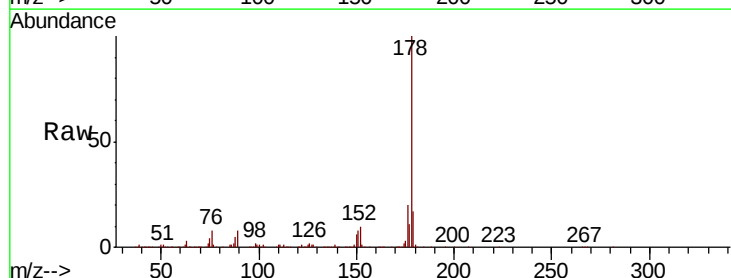
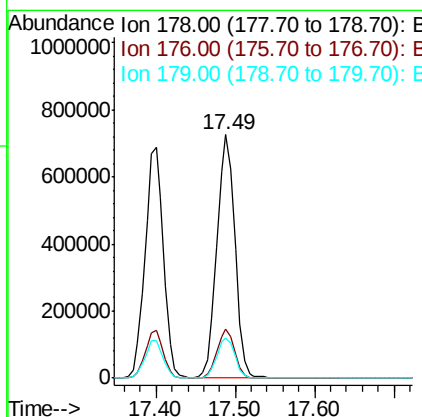
Manual Integrations
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5/22/2020 2:56:25 PM



#72
Anthracene
Concen: 53.265 ng
RT: 17.49 min Scan# 2451
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	20.2	15.8	23.6	
179	16.6	12.2	18.4	





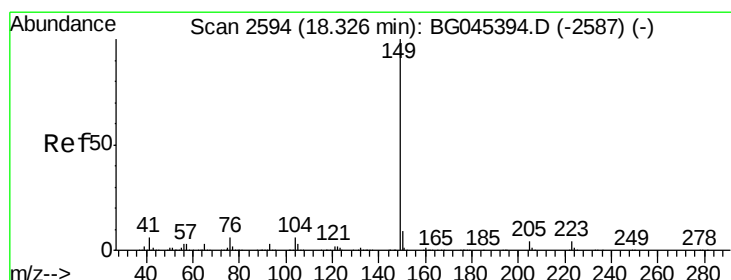
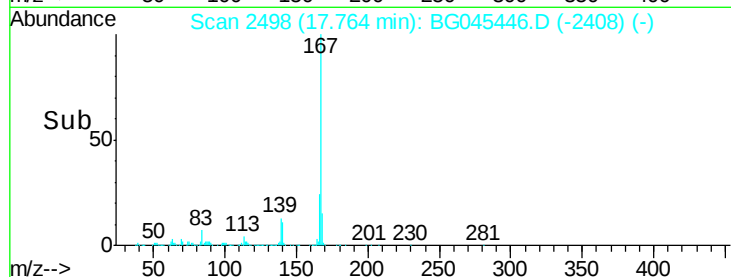
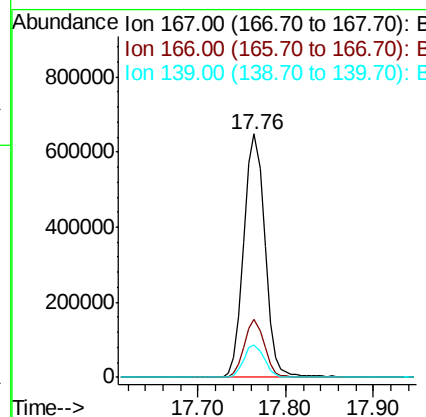
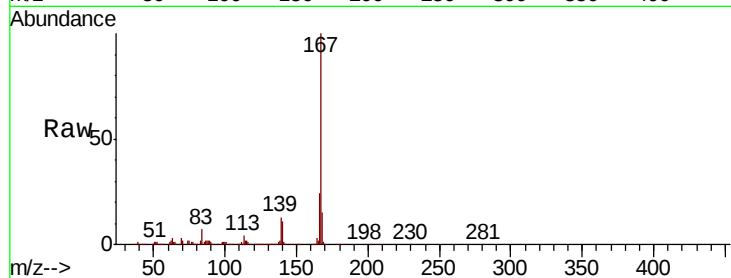
#73
 Carbazole
 Concen: 50.304 ng
 RT: 17.76 min Scan# 2498
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.1	19.2	28.8
139	13.3	10.6	16.0

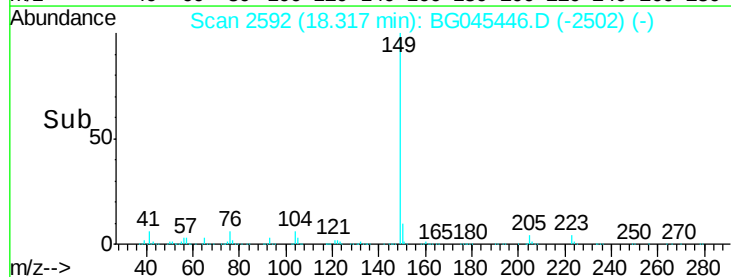
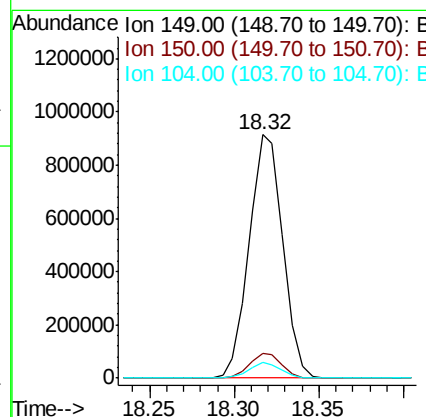
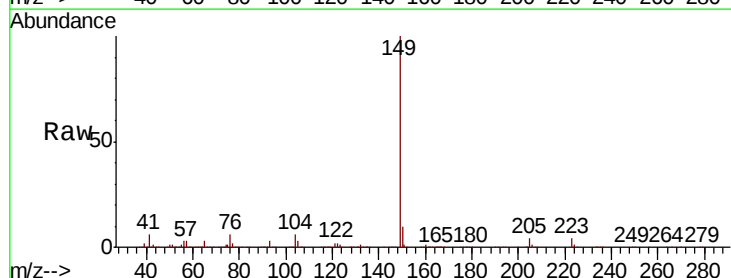
Manual Integrations
 APPROVED

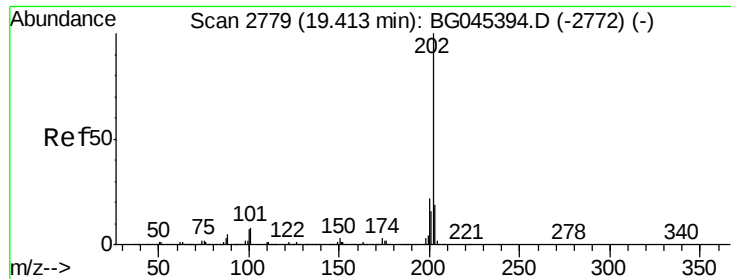
mohammad
 5/22/2020 2:56:25 PM



#74
 Di-n-butylphthalate
 Concen: 50.364 ng
 RT: 18.32 min Scan# 2592
 Delta R.T. 0.00 min
 Lab File: BG045446.D
 Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.6	11.4
104	6.4	5.0	7.4





#75

Fluoranthene

Concen: 51.595 ng

RT: 19.41 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

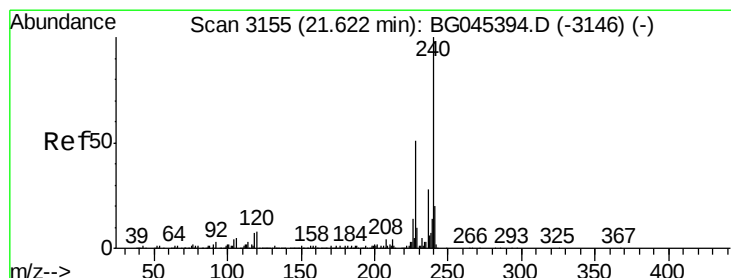
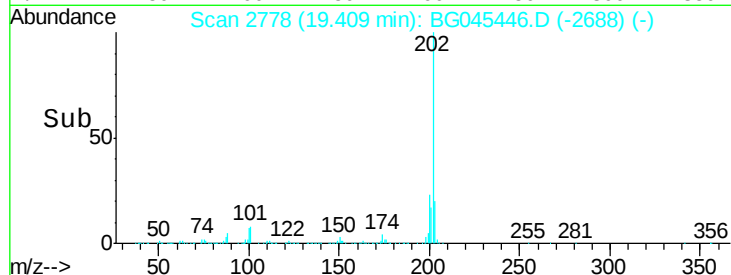
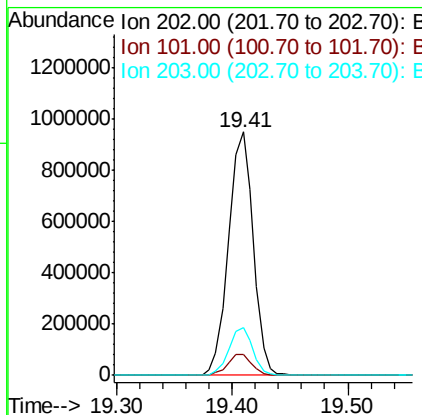
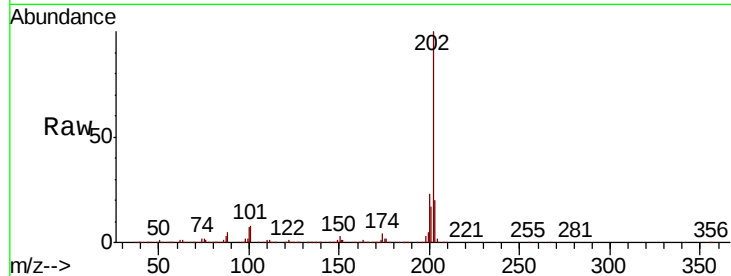
ClientSampleId :

TR-04-052020MSD

Tot Ion:	202	Resp:	1404894
Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.3
203	19.6	0.0	39.0

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

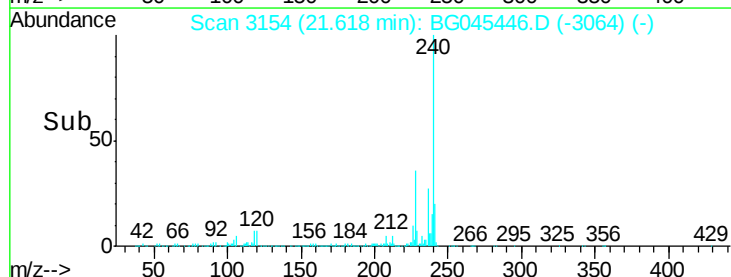
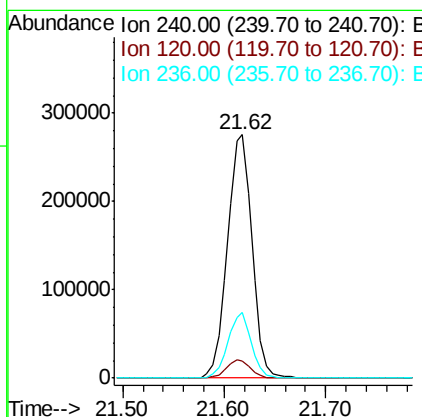
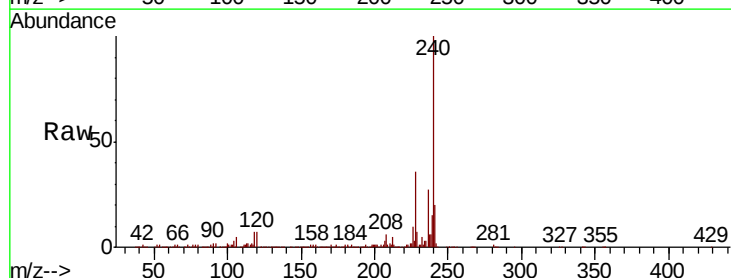
RT: 21.62 min Scan# 3154

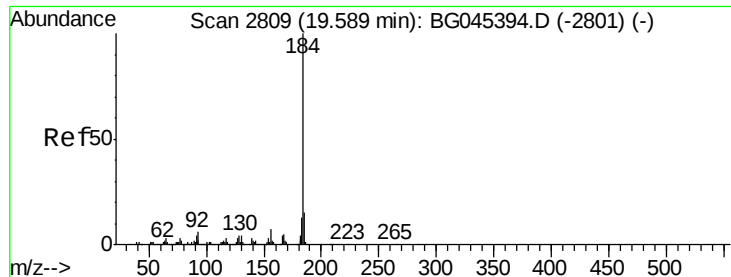
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	240	Resp:	464256
Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.1	9.1
236	26.8	22.3	33.5





#77

Benzidine

Concen: 9.104 ng

RT: 19.59 min Scan# 2809

Delta R.T. 0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

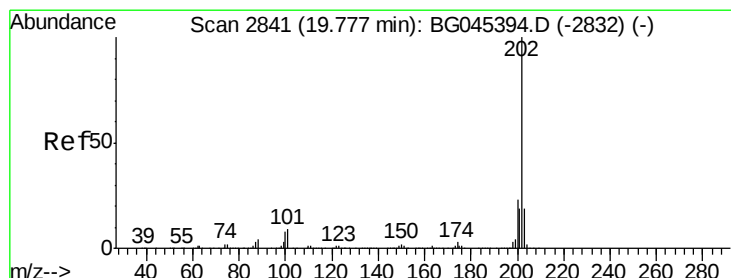
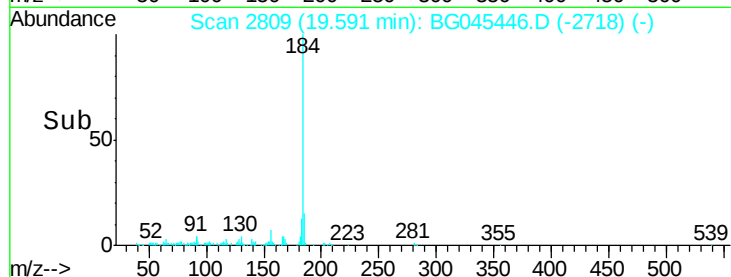
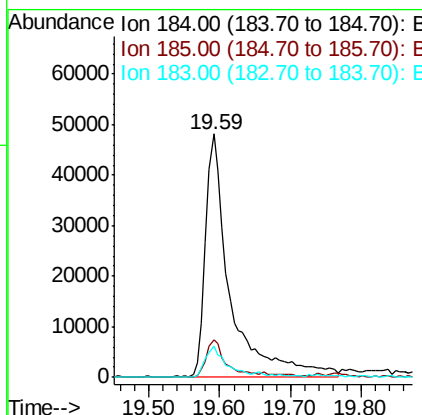
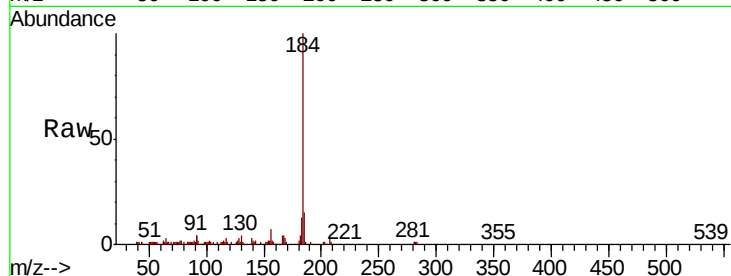
ClientSampleId :

TR-04-052020MSD

Tot Ion:	184	Resp:	118707
Ion Ratio	Lower	Upper	
184	100		
185	15.2	11.7	17.5
183	12.6	10.2	15.4

Manual Integrations
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#78

Pyrene

Concen: 52.840 ng

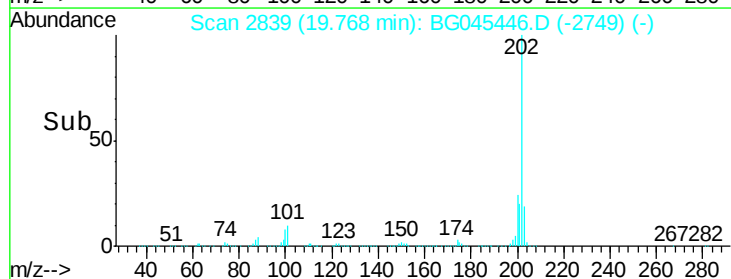
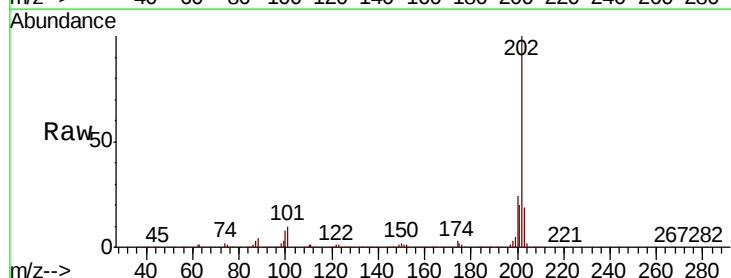
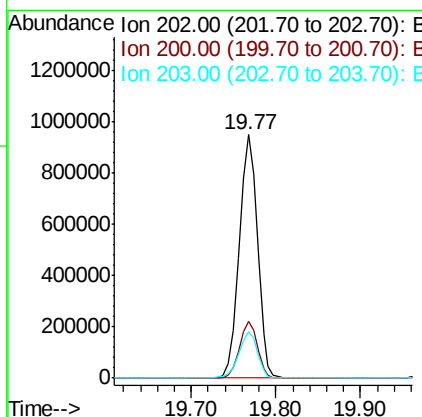
RT: 19.77 min Scan# 2839

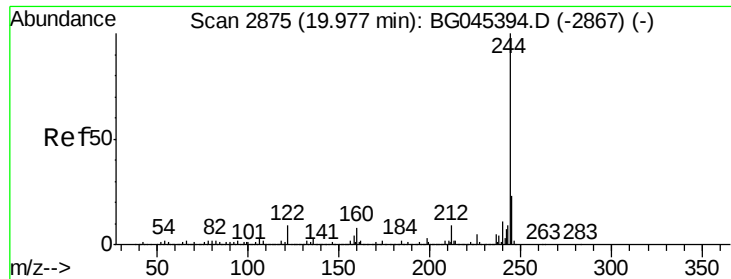
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:	202	Resp:	1398380
Ion Ratio	Lower	Upper	
202	100		
200	23.6	18.2	27.2
203	19.3	15.1	22.7





#79

Terphenyl-d14

Concen: 106.490 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TR-04-0520MSD

Tot Ion:244 Resp: 2119742

Ion Ratio Lower Upper

244 100

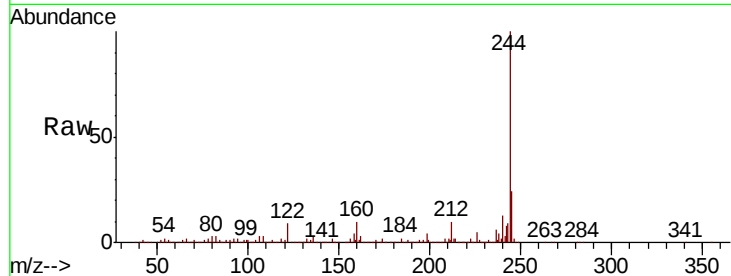
212 9.7 7.4 11.0

122 9.2 6.8 10.2

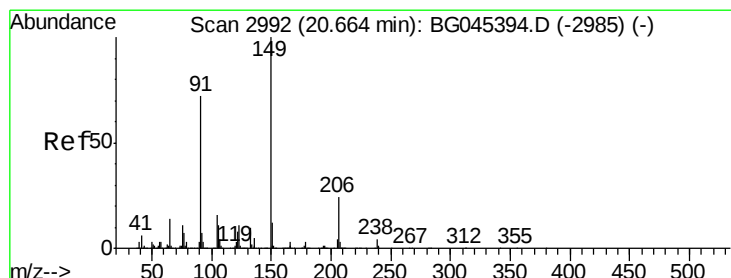
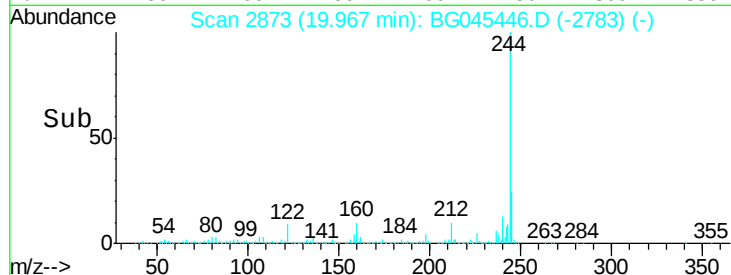
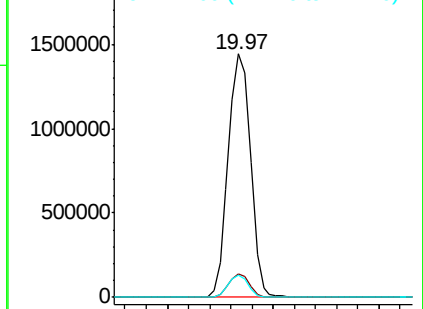
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Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 49.997 ng

RT: 20.65 min Scan# 2990

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

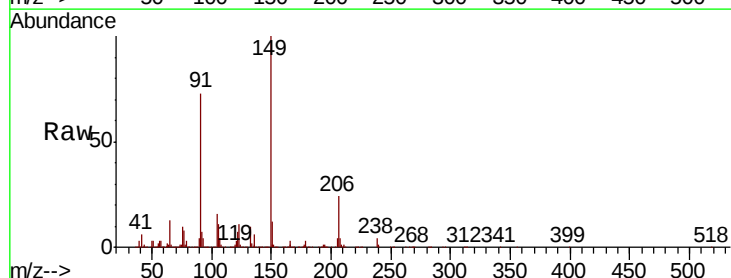
Tgt Ion:149 Resp: 571113

Ion Ratio Lower Upper

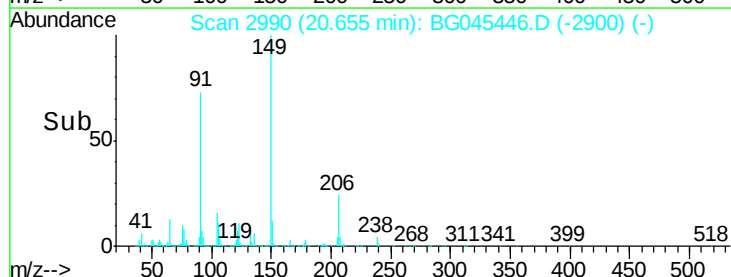
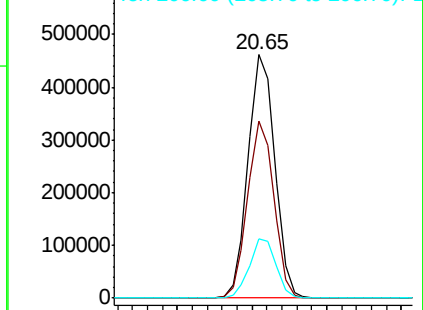
149 100

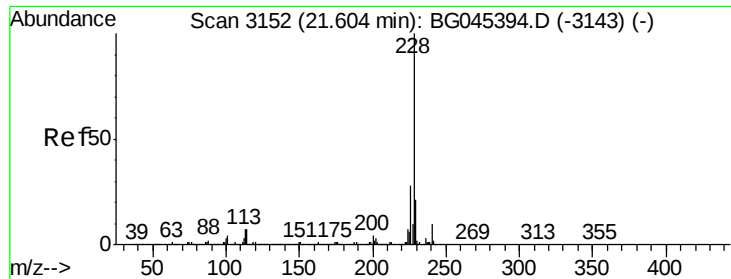
91 72.6 57.8 86.6

206 24.2 19.1 28.7



Abundance Ion 149.00 (148.70 to 149.70): E
600000
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.073 ng

RT: 21.59 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MSD

Tot Ion:228 Resp: 1346722

Ion Ratio Lower Upper

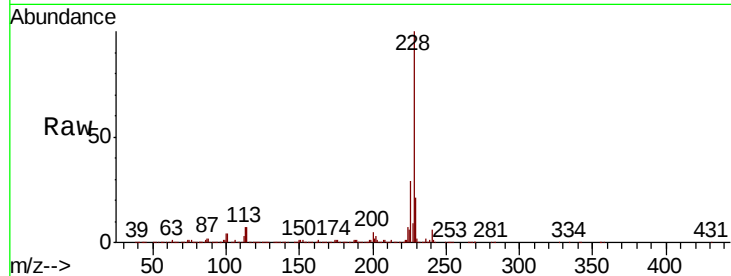
228 100

226 28.6 22.7 34.1

229 21.1 16.7 25.1

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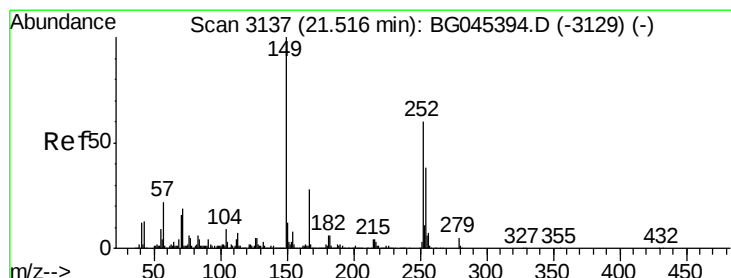
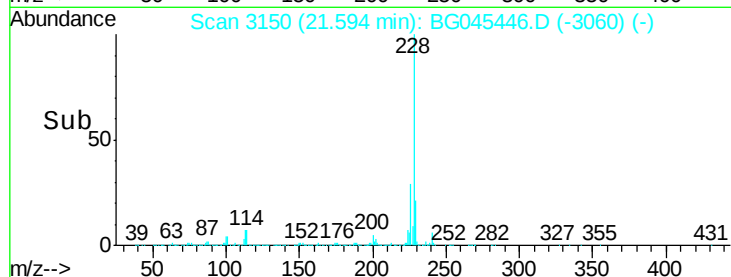
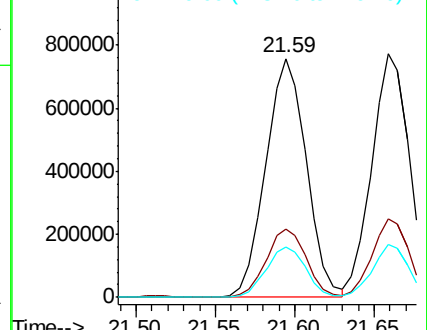
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 45.680 ng

RT: 21.51 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

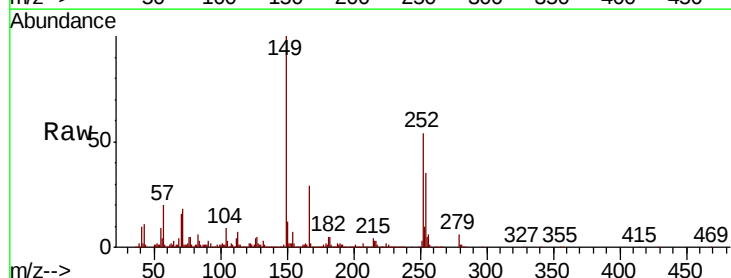
Tgt Ion:252 Resp: 463414

Ion Ratio Lower Upper

252 100

254 64.5 51.3 76.9

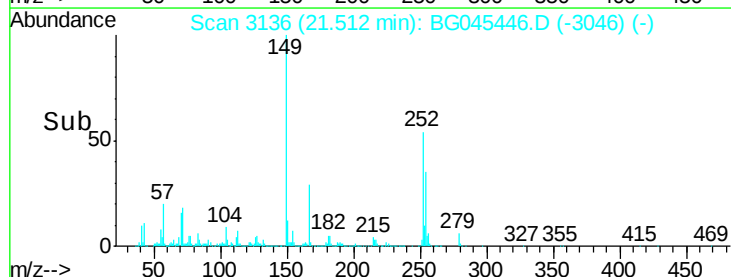
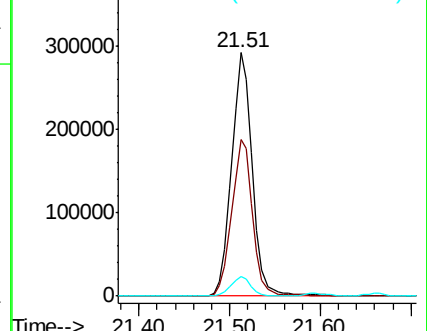
126 7.8 6.6 10.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 51.451 ng

RT: 21.66 min Scan# 3161

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MSD

Tot Ion:228 Resp: 1279456

Ion Ratio Lower Upper

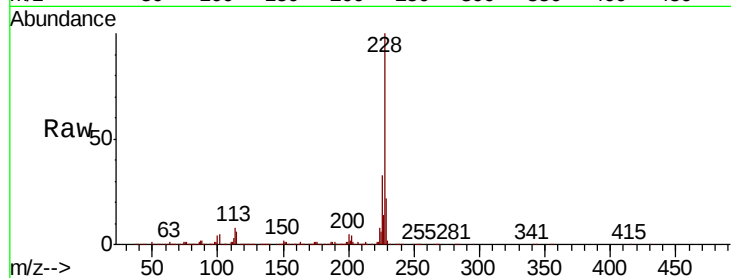
228 100

226 32.5 25.2 37.8

229 21.5 16.7 25.1

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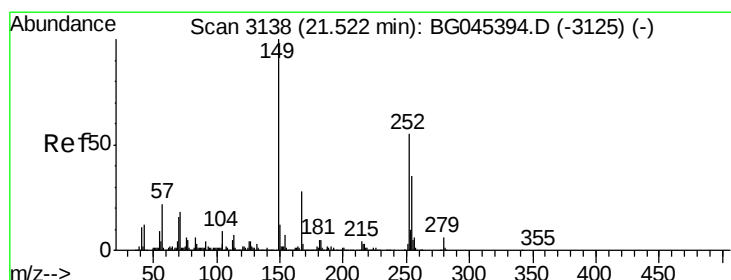
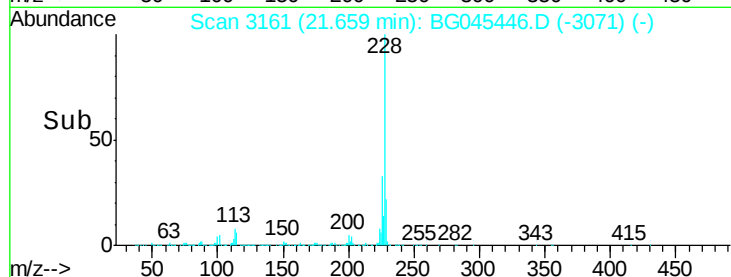
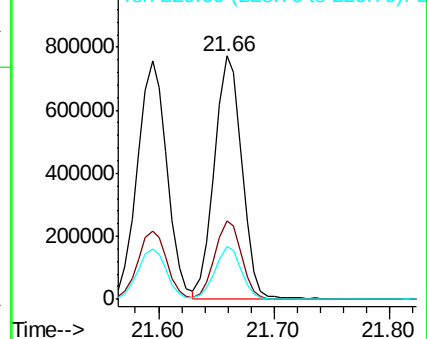


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.928 ng

RT: 21.51 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

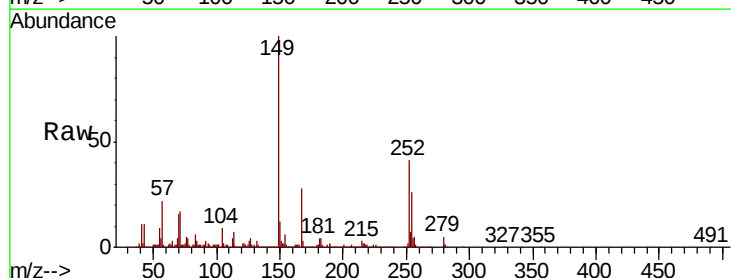
Tgt Ion:149 Resp: 783984

Ion Ratio Lower Upper

149 100

167 28.2 22.2 33.2

279 5.2 4.7 7.1

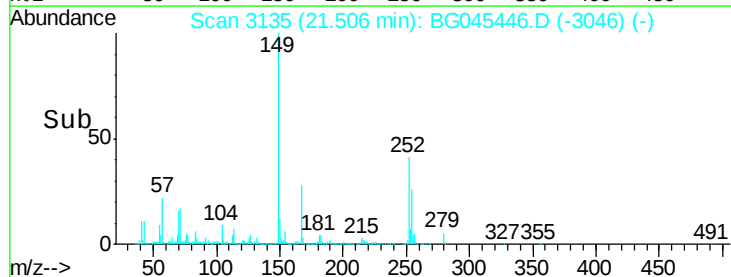
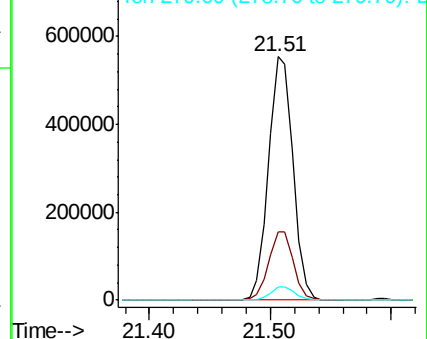


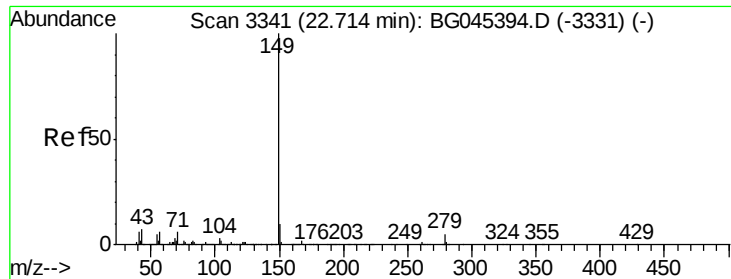
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 49.787 ng

RT: 22.70 min Scan# 3338

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

ClientSampleId :

TR-04-052020MSD

Tot Ion:149 Resp: 1342704

Ion Ratio Lower Upper

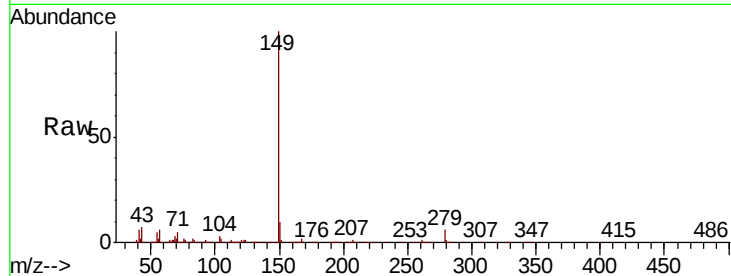
149 100

167 1.7 1.4 2.0

43 6.8 5.8 8.8

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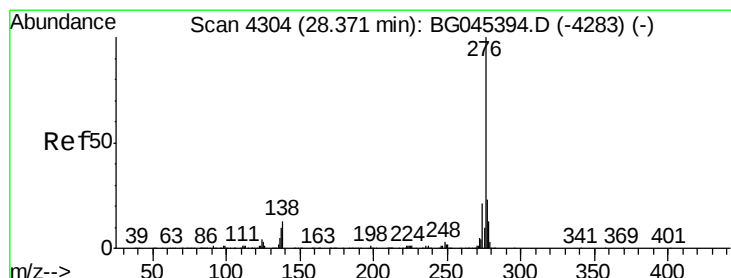
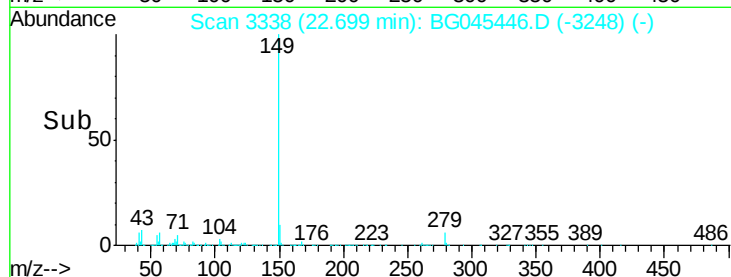
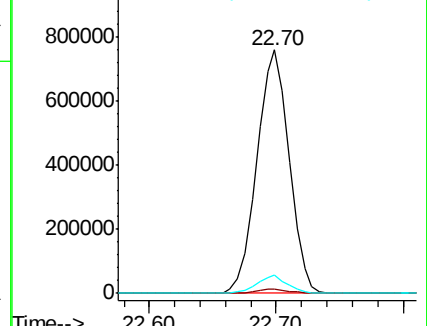
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 52.370 ng

RT: 28.34 min Scan# 4298

Delta R.T. -0.01 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

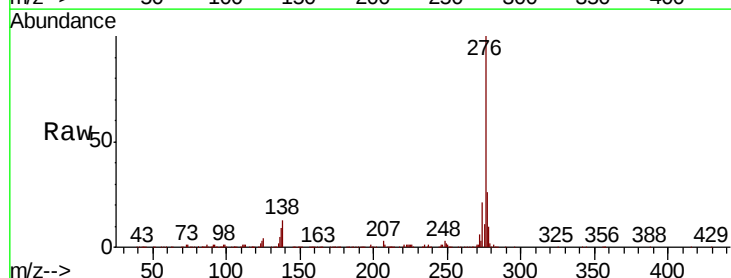
Tgt Ion:276 Resp: 1702986

Ion Ratio Lower Upper

276 100

138 11.0 8.6 12.8

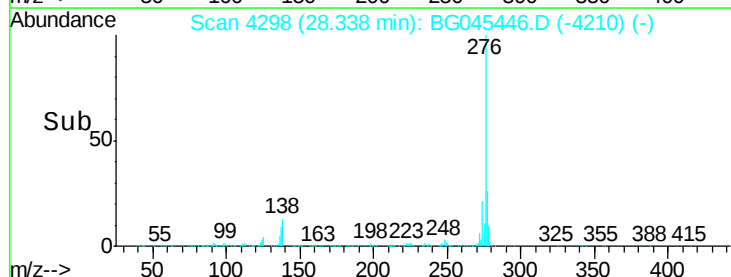
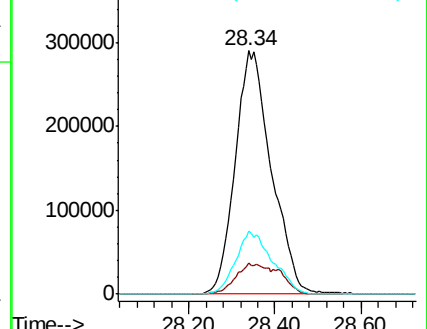
277 26.2 20.2 30.4

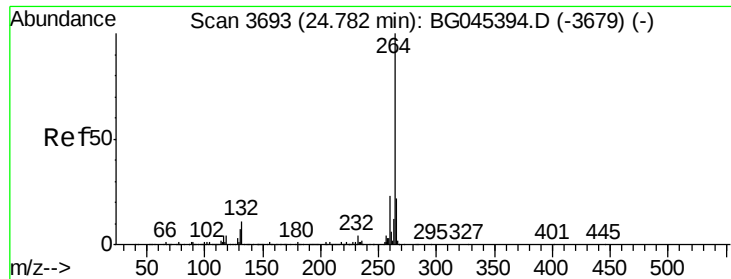


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





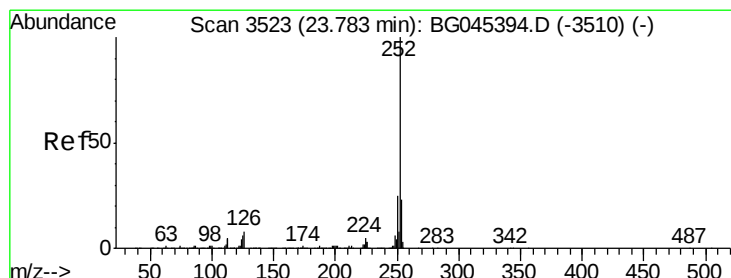
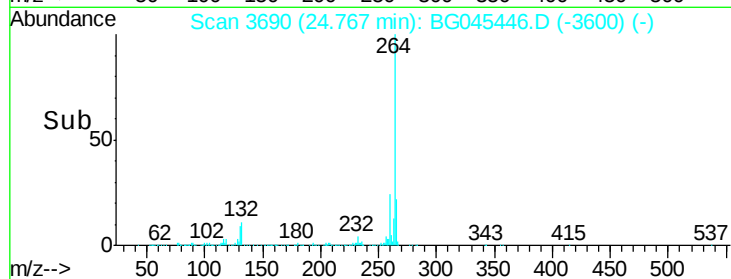
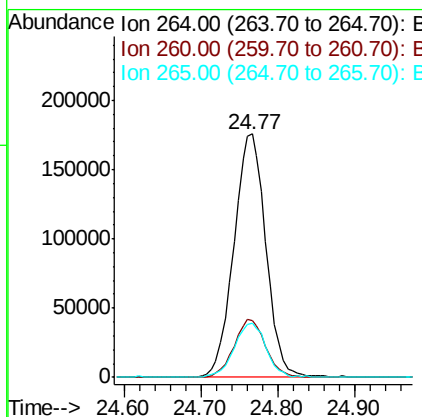
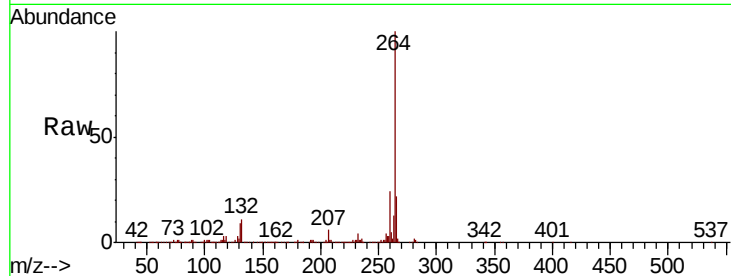
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.77 min Scan# 3690
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.4
265	22.2	17.6	26.4

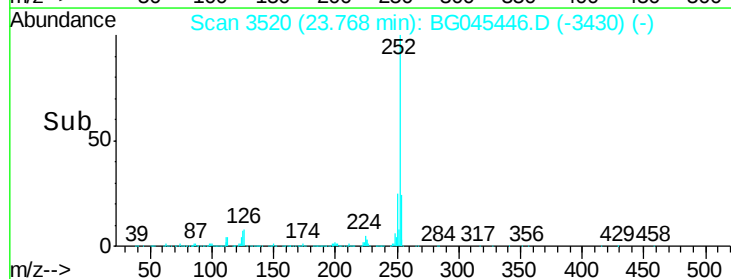
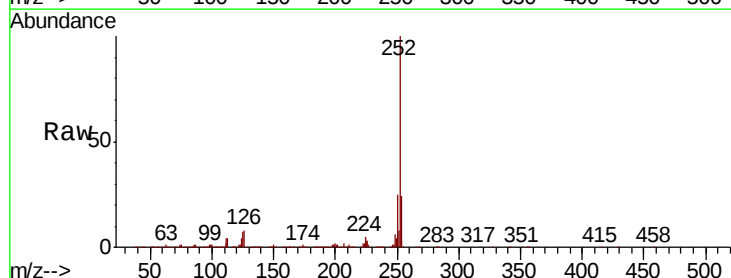
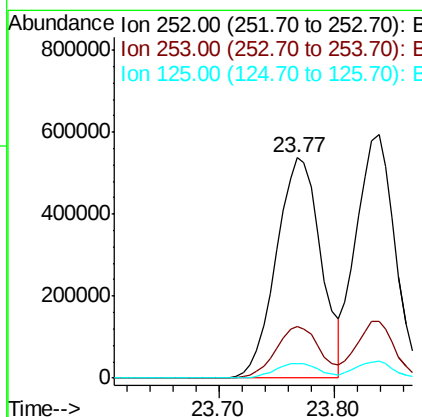
Manual Integrations
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#88
Benzo(b)fluoranthene
Concen: 52.675 ng
RT: 23.77 min Scan# 3520
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	6.8	5.0	7.6





#89

Benzo(k)fluoranthene

Concen: 54.004 ng

RT: 23.84 min Scan# 3532

Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Instrument :

BNA_G

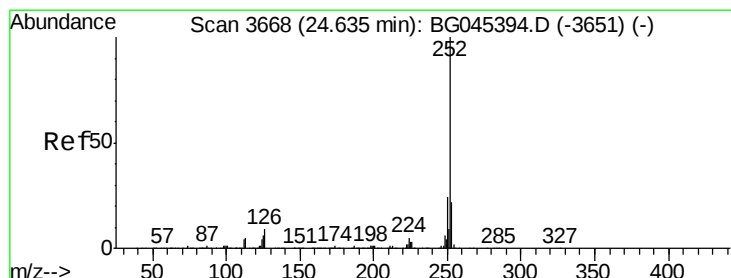
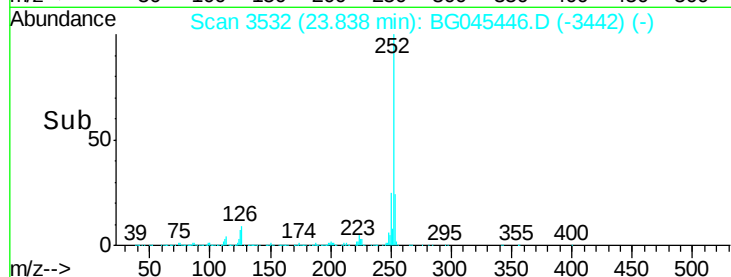
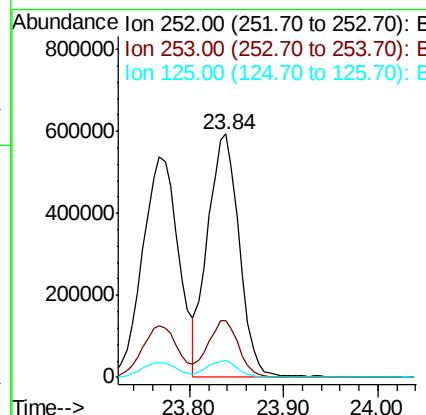
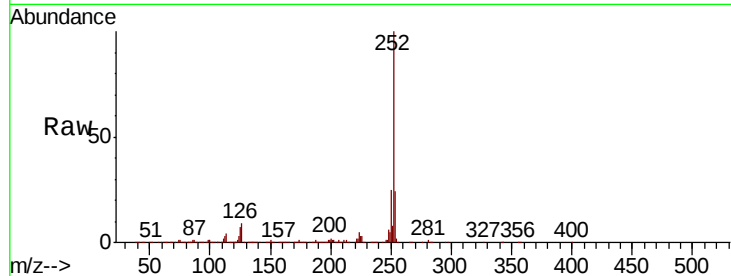
ClientSampleId :

TR-04-052020MSD

Tot Ion:252	Resp: 1389963		
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	6.9	5.7	8.5

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#90

Benzo(a)pyrene

Concen: 51.793 ng

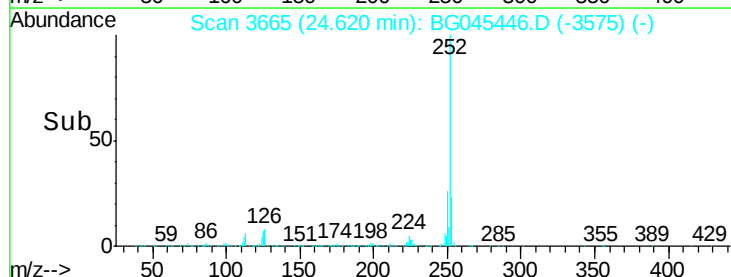
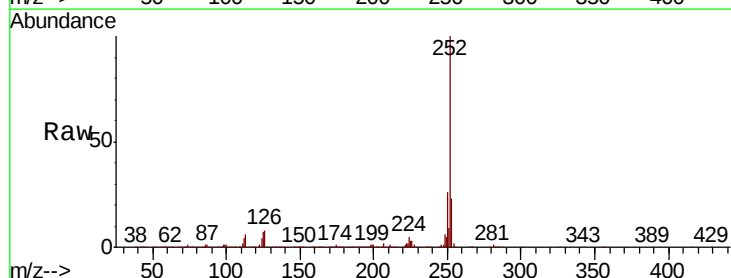
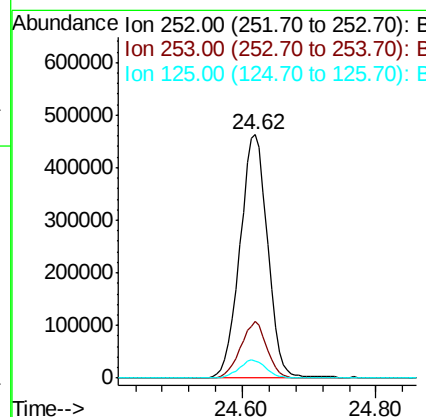
RT: 24.62 min Scan# 3665

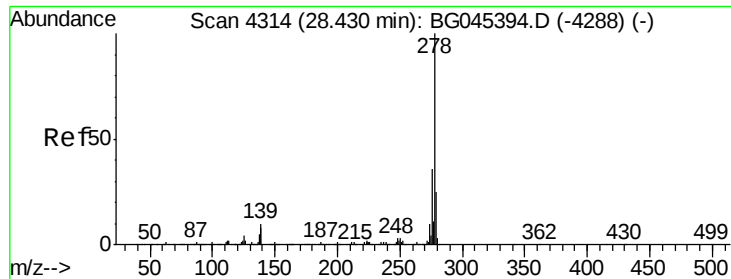
Delta R.T. 0.00 min

Lab File: BG045446.D

Acq: 21 May 2020 19:01

Tgt Ion:252	Resp: 1321493		
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	7.1	5.0	7.6





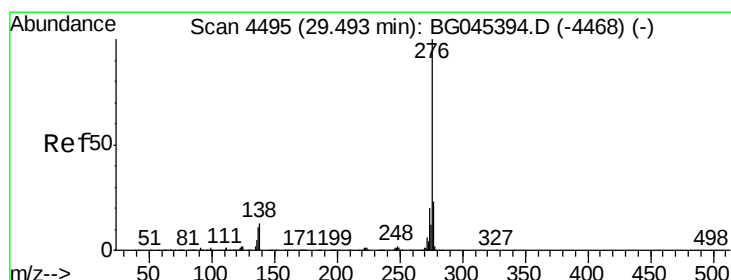
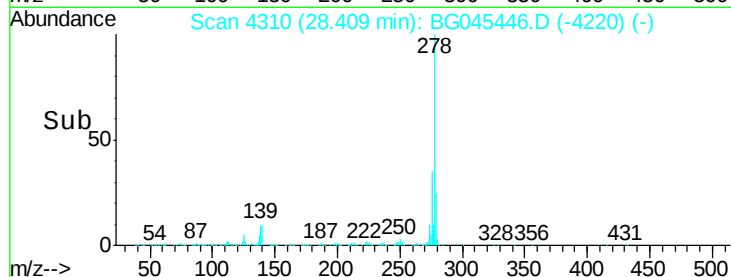
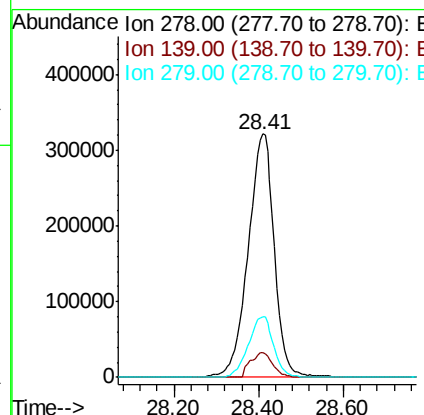
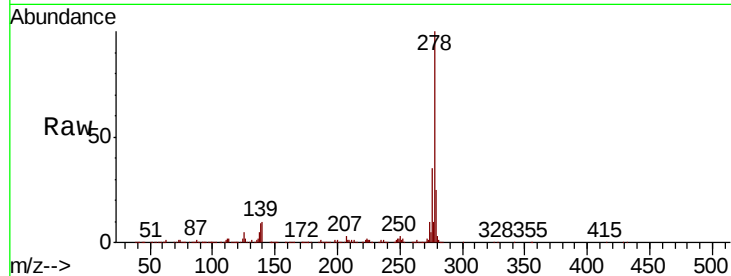
#91
Dibenzo(a,h)anthracene
Concen: 54.011 ng
RT: 28.41 min Scan# 4310
Delta R.T. 0.00 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Instrument :
BNA_G
ClientSampleId :
TR-04-052020MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.3	7.8	11.8
279	24.7	19.8	29.8

Manual Integrations
APPROVED

mohammad
5/22/2020 2:56:25 PM



#92
Benzo(g,h,i)perylene
Concen: 55.425 ng
RT: 29.47 min Scan# 4491
Delta R.T. 0.01 min
Lab File: BG045446.D
Acq: 21 May 2020 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.1	27.1
138	13.1	10.2	15.4

