

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121719\
 Data File : BG043816.D
 Acq On : 17 Dec 2019 12:24
 Operator : JU
 Sample : PB125466BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB125466BS

Manual Integrations
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Quant Time: Dec 17 13:07:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	104973	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	476933	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	364882	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	886421	20.00	ng	0.00
76) Chrysene-d12	21.63	240	744900	20.00	ng	0.00
87) Perylene-d12	24.79	264	777061	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	748291	135.06	ng	0.00
7) Phenol-d6	7.17	99	1037409	129.84	ng	0.01
23) Nitrobenzene-d5	9.16	82	650548	76.59	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	458905	131.92	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1545776	74.41	ng	0.00
79) Terphenyl-d14	19.99	244	2434938	78.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.48	88	100831	39.301	ng	96
3) Pyridine	3.88	79	254853	35.947	ng	99
4) n-Nitrosodimethylamine	3.79	42	133633	39.313	ng	94
6) Aniline	7.32	93	365105	34.534	ng	96
8) 2-Chlorophenol	7.57	128	320934	49.708	ng	95
9) Benzaldehyde	7.14	77	220746	56.462	ng	95
10) Phenol	7.20	94	415959	50.425	ng	99
11) bis(2-Chloroethyl)ether	7.42	93	292673	41.812	ng	98
12) 1,3-Dichlorobenzene	7.89	146	320918	41.477	ng	99
13) 1,4-Dichlorobenzene	8.04	146	320334	41.419	ng	99
14) 1,2-Dichlorobenzene	8.36	146	307261	41.235	ng	99
15) Benzyl Alcohol	8.24	79	295711	46.506	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.53	45	443408	39.525	ng	99
17) 2-Methylphenol	8.45	107	295838	50.240	ng	99
18) Hexachloroethane	9.09	117	115764	41.192	ng	97
19) n-Nitroso-di-n-propylamine	8.81	70	249665	40.872	ng	99
20) 3+4-Methylphenols	8.78	107	413759	50.462	ng	97
22) Acetophenone	8.82	105	450940	37.912	ng	97
24) Nitrobenzene	9.20	77	353941	40.908	ng	98
25) Isophorone	9.73	82	684688	40.360	ng	100
26) 2-Nitrophenol	9.91	139	174418	50.939	ng	98
27) 2,4-Dimethylphenol	9.98	122	332304	55.432	ng	98
28) bis(2-Chloroethoxy)methane	10.21	93	427935	39.408	ng	98
29) 2,4-Dichlorophenol	10.46	162	357468	48.558	ng	99
30) 1,2,4-Trichlorobenzene	10.67	180	334078	38.336	ng	99
31) Naphthalene	10.86	128	959054	41.908	ng	98
32) Benzoic acid	10.11	122	193299	46.462	ng	98
33) 4-Chloroaniline	10.96	127	272723	24.579	ng	99
34) Hexachlorobutadiene	11.15	225	191910	36.345	ng	97
35) Caprolactam	11.72	113	150988m	52.261	ng	
36) 4-Chloro-3-methylphenol	12.08	107	398285	50.254	ng	99
37) 2-Methylnaphthalene	12.46	142	763062	43.020	ng	99
38) 1-Methylnaphthalene	12.68	142	723404	42.889	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	389129	35.490	ng	99

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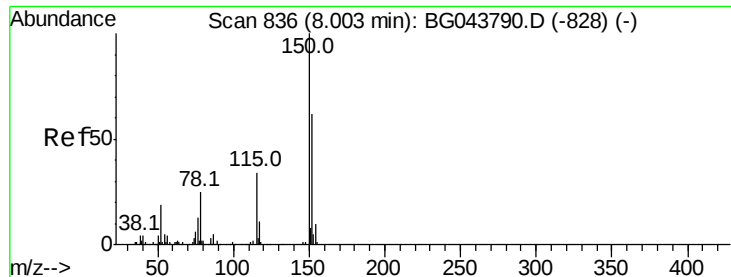
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	464047	90.170	nq	97
43) 2,4,6-Trichlorophenol	13.06	196	314605	45.144	nq	99
44) 2,4,5-Trichlorophenol	13.14	196	349483	47.867	nq	100
46) 1,1'-Biphenyl	13.47	154	986207	39.205	nq	100
47) 2-Chloronaphthalene	13.50	162	789207	38.377	nq	99
48) 2-Nitroaniline	13.70	65	275503	45.425	nq	97
49) Acenaphthylene	14.35	152	1304932	42.597	nq	99
50) Dimethylphthalate	14.09	163	1090412	41.869	nq	100
51) 2,6-Dinitrotoluene	14.20	165	261319	46.561	nq	99
52) Acenaphthene	14.70	154	929867	46.140	nq	96
53) 3-Nitroaniline	14.53	138	202383	31.511	nq	93
54) 2,4-Dinitrophenol	14.73	184	271695	104.851	nq	92
55) Dibenzofuran	15.03	168	1281318	42.952	nq	99
56) 4-Nitrophenol	14.84	139	502843	107.317	nq	99
57) 2,4-Dinitrotoluene	14.98	165	372310	49.094	nq	97
58) Fluorene	15.68	166	1053871	43.829	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.26	232	324650m	49.558	nq	
60) Diethylphthalate	15.46	149	1125632	43.270	nq	99
61) 4-Chlorophenyl-phenylether	15.67	204	566232	42.048	nq	98
62) 4-Nitroaniline	15.69	138	280273	42.117	nq	98
63) Azobenzene	15.97	77	1043300	43.656	nq	99
65) 4,6-Dinitro-2-methylphenol	15.75	198	192360	54.615	nq	96
66) n-Nitrosodiphenylamine	15.88	169	1010899	41.032	nq	98
67) 4-Bromophenyl-phenylether	16.57	248	365292	38.545	nq	98
68) Hexachlorobenzene	16.69	284	377166	37.524	nq	99
69) Atrazine	16.84	200	404737	51.532	nq	98
70) Pentachlorophenol	17.02	266	474787	88.800	nq	98
71) Phenanthrene	17.42	178	1710698	40.766	nq	99
72) Anthracene	17.51	178	1768653	42.578	nq	99
73) Carbazole	17.77	167	1614358	41.575	nq	100
74) Di-n-butylphthalate	18.35	149	1858623	41.754	nq	99
75) Fluoranthene	19.42	202	1969269	41.003	nq	99
77) Benzidine	19.60	184	846806	52.108	nq	98
78) Pyrene	19.78	202	1974782	40.566	nq	98
80) Butylbenzylphthalate	20.68	149	879937	43.401	nq	97
81) Benzo(a)anthracene	21.61	228	1915084	40.734	nq	99
82) 3,3'-Dichlorobenzidine	21.52	252	562200	32.371	nq	100
83) Chrysene	21.68	228	1816204	40.548	nq	100
84) Bis(2-ethylhexyl)phthalate	21.54	149	1217814	41.877	nq	99
85) Di-n-octyl phthalate	22.75	149	2108334	44.347	nq	100
86) Indeno(1,2,3-cd)pyrene	28.38	276	1901541	33.169	nq	# 96
88) Benzo(b)fluoranthene	23.79	252	1923473	42.992	nq	99
89) Benzo(k)fluoranthene	23.86	252	1901990	44.008	nq	100
90) Benzo(a)pyrene	24.64	252	1811605	42.489	nq	100
91) Dibenzo(a,h)anthracene	28.45	278	1700434	39.928	nq	100
92) Benzo(g,h,i)perylene	29.49	276	1509473	35.918	nq	99

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



#1

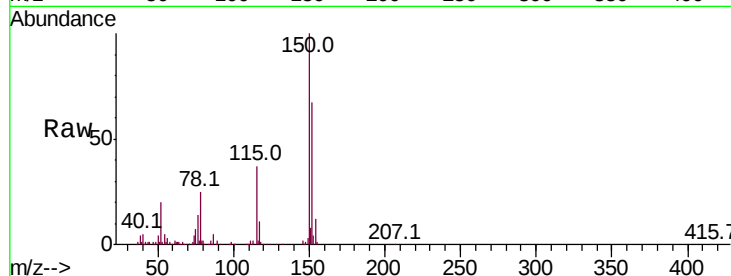
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

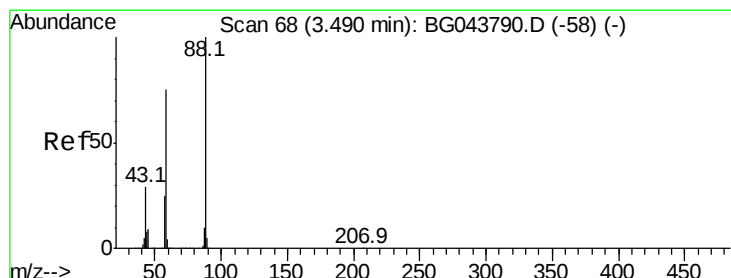
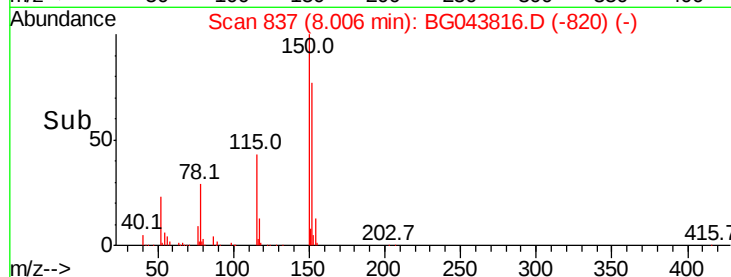
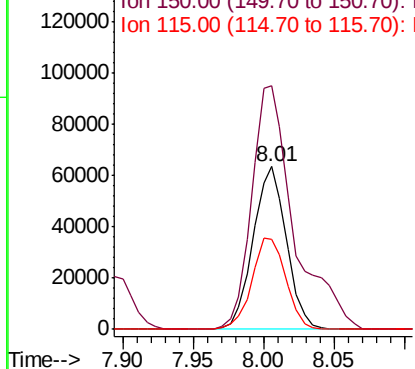
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	128.6	192.8
115	55.5	44.3	66.5

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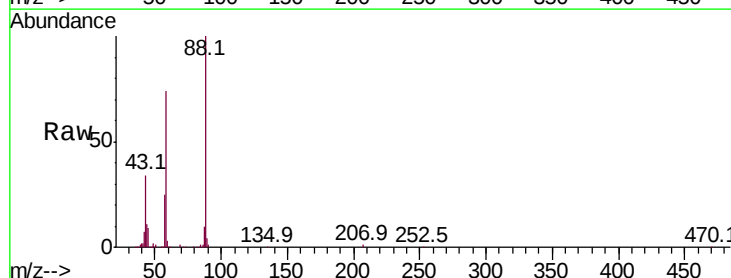
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



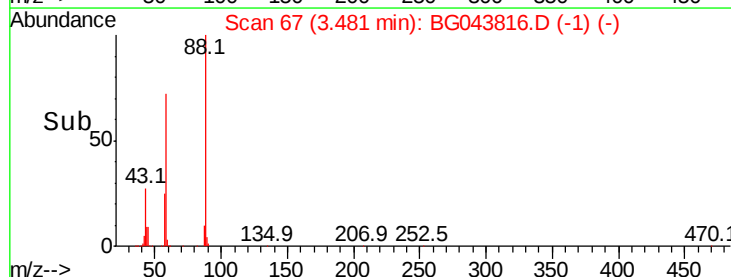
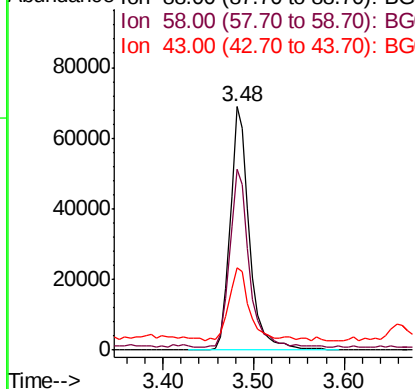
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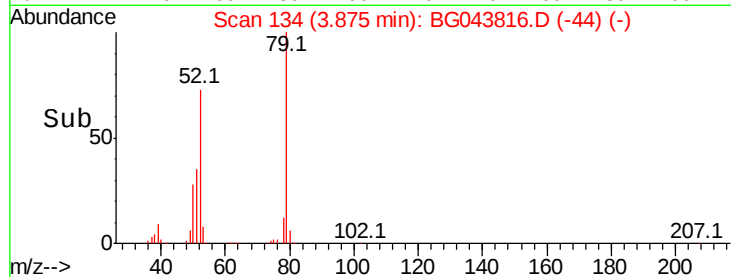
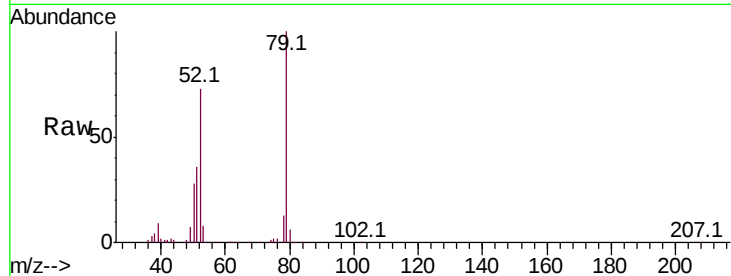
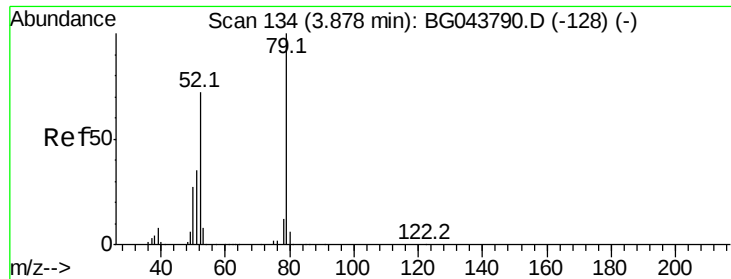
1,4-Dioxane
Concen: 39.301 ng
RT: 3.48 min Scan# 67
Delta R.T. -0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.2	62.2	93.4
43	30.9	24.3	36.5



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





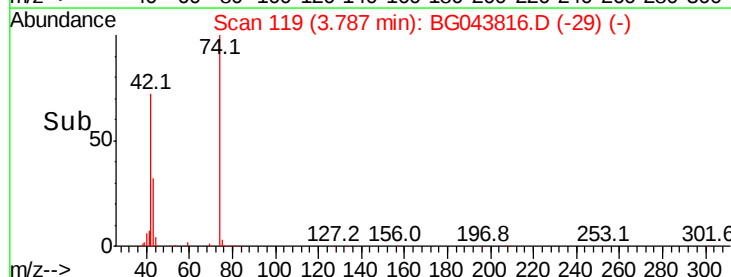
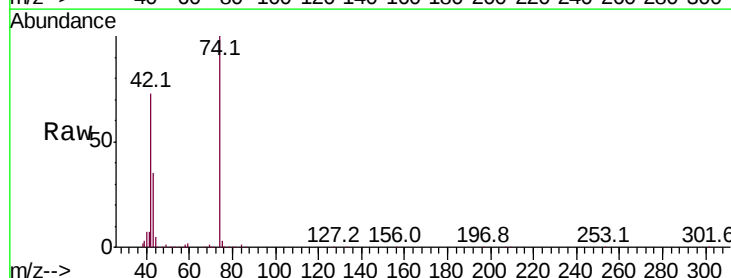
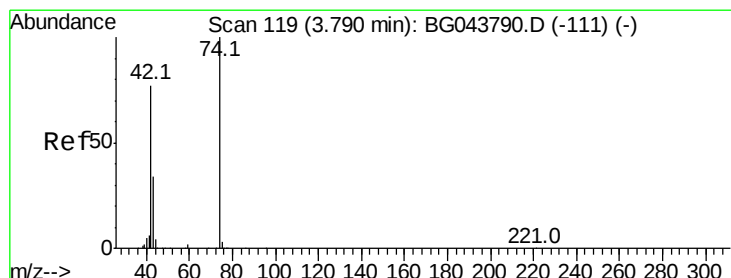
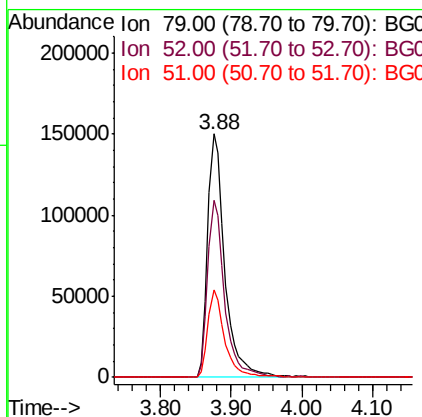
#3
 Pvridine
 Concen: 35.947 ng
 RT: 3.88 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tot Ion	Ratio	Lower	Upper
79	100		
52	72.6	57.6	86.4
51	35.8	27.8	41.8

Instrument :
 BNA_G
 ClientSampleId :
 PB125466BS

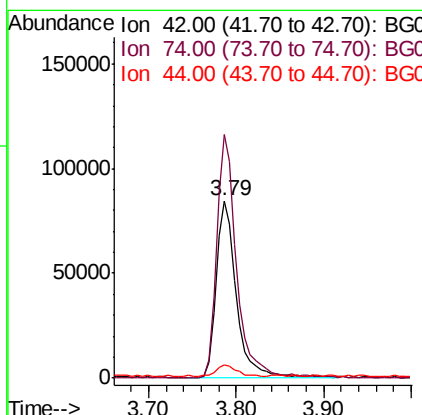
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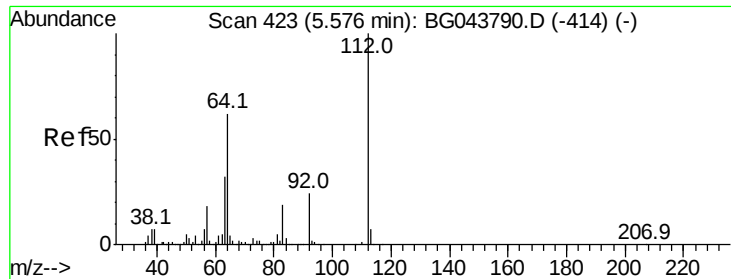
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#4
 n-Nitrosodimethylamine
 Concen: 39.313 ng
 RT: 3.79 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
42	100		
74	137.1	104.2	156.4
44	7.5	5.6	8.4





#5

2-Fluorophenol

Concen: 135.064 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

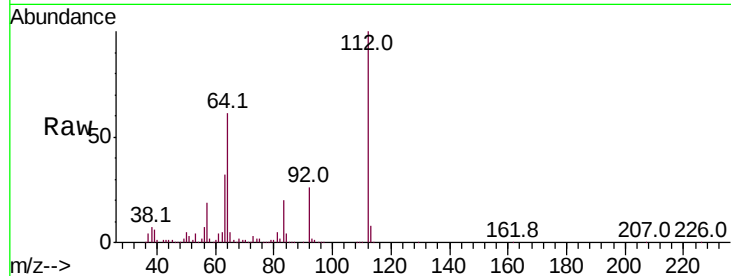
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PB125466BS

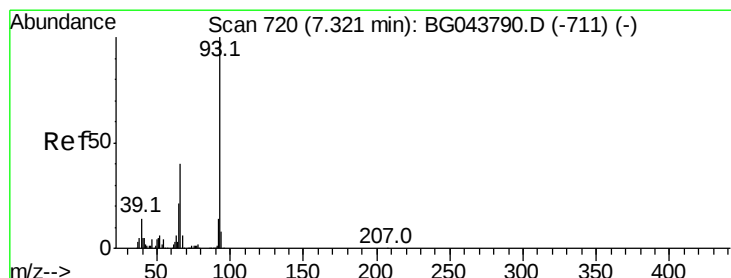
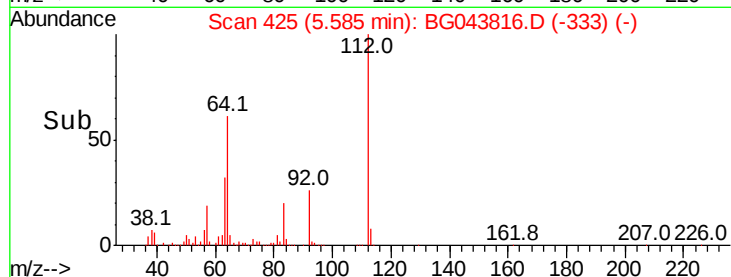
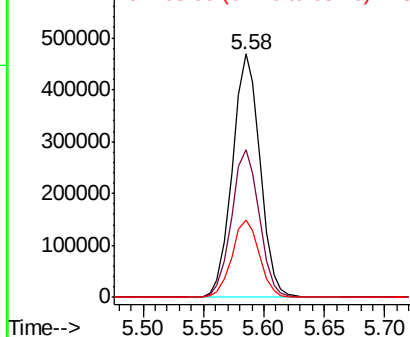
Tot Ion:	112	Resp:	748291
Ion Ratio	Lower	Upper	
112	100		
64	60.6	49.9	74.9
63	31.6	26.0	39.0

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



#6

Aniline

Concen: 34.534 ng

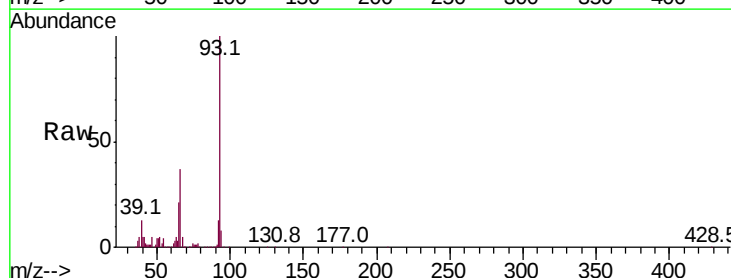
RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

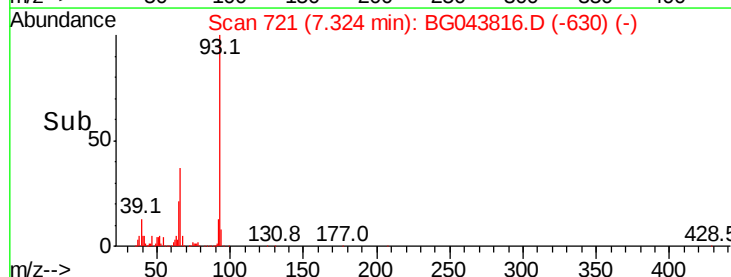
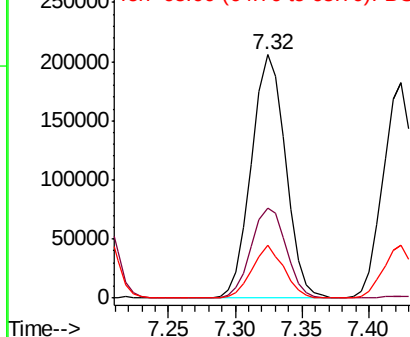
Lab File: BG043816.D

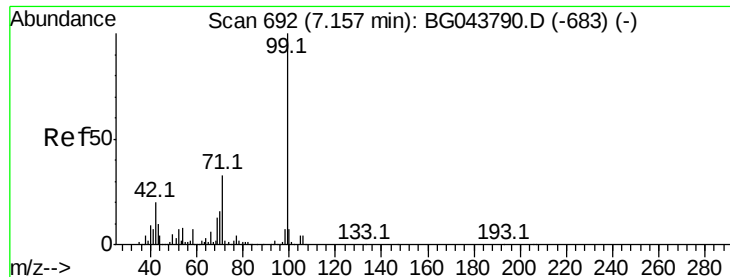
Acq: 17 Dec 2019 12:24

Tgt Ion:	93	Resp:	365105
Ion Ratio	Lower	Upper	
93	100		
66	36.8	31.9	47.9
65	21.5	16.8	25.2



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





#7

Phenol-d6

Concen: 129.837 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion: 99 Resp: 1037409

Ion Ratio Lower Upper

99 100

42 19.8 16.2 24.2

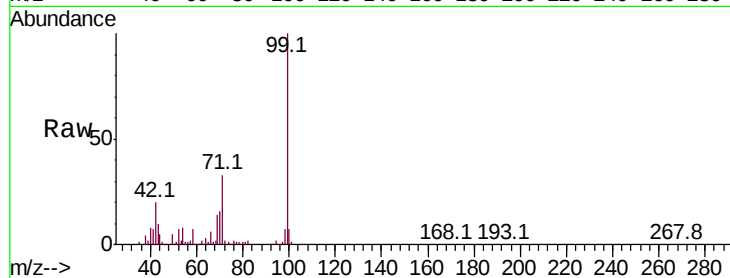
71 32.6 26.6 40.0

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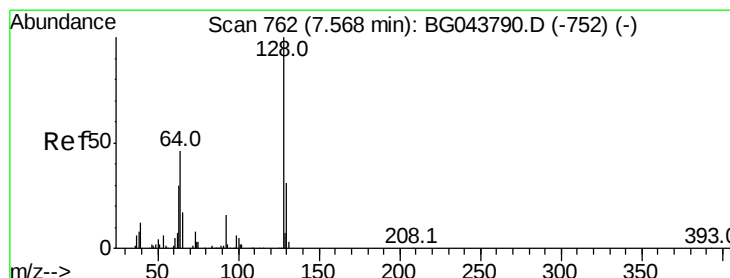
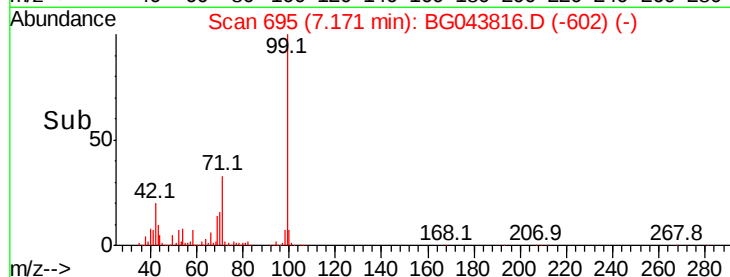
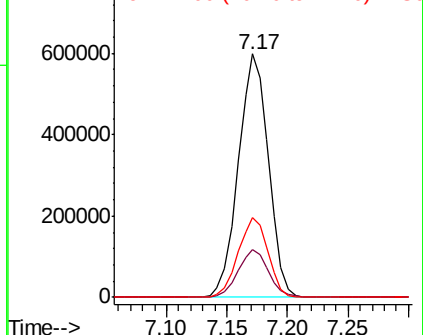
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 49.708 ng

RT: 7.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

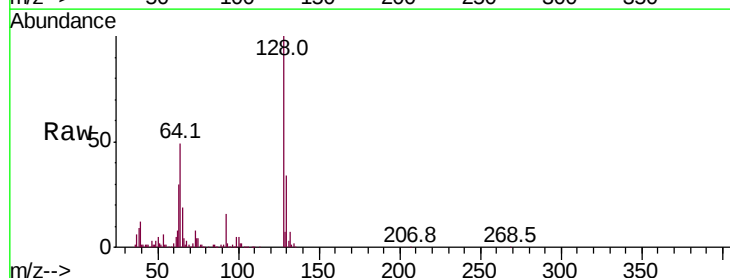
Tgt Ion:128 Resp: 320934

Ion Ratio Lower Upper

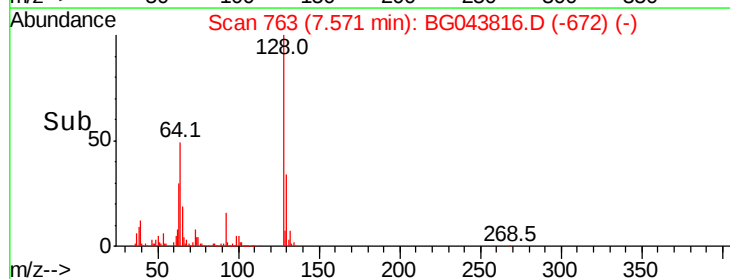
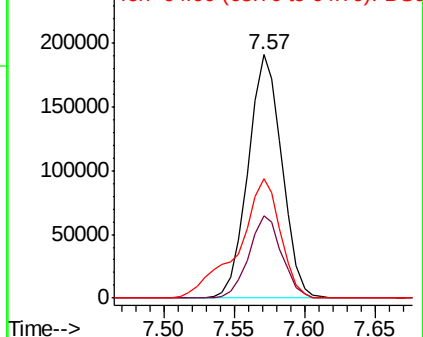
128 100

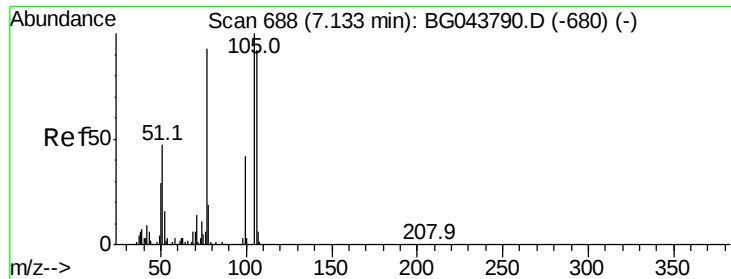
130 33.9 11.1 51.1

64 49.3 26.5 66.5



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 56.462 ng

RT: 7.14 min Scan# 689

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

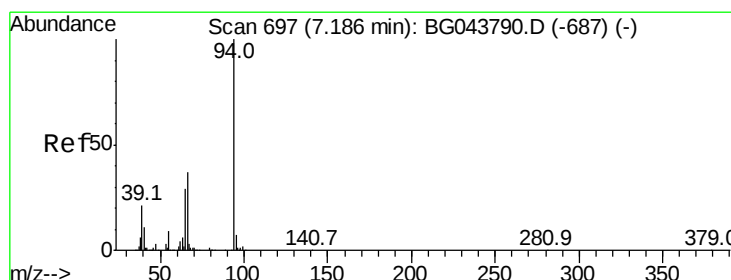
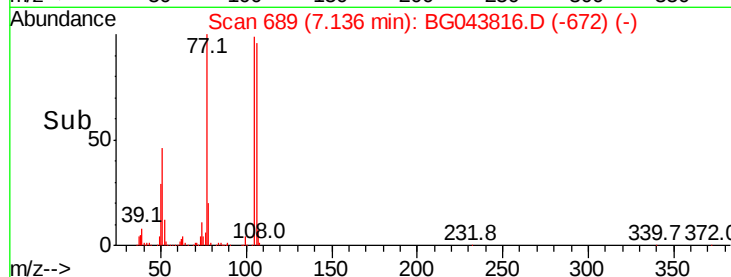
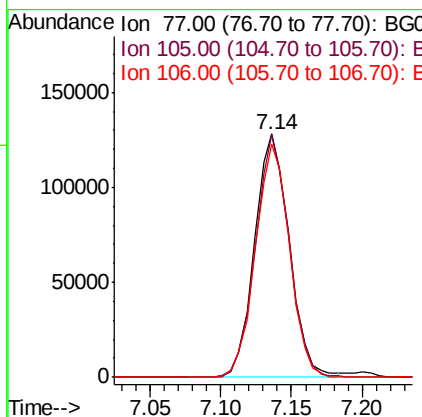
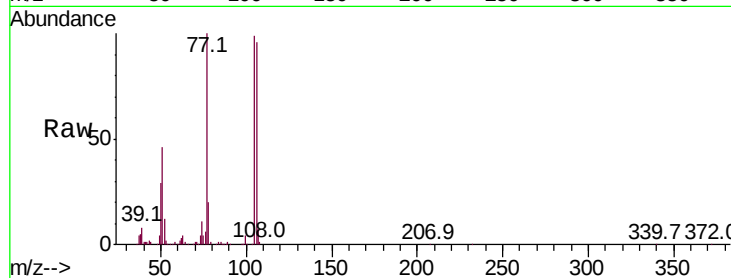
ClientSampleId :

PB125466BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	99.3	87.1	127.1
106	96.0	78.2	118.2

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#10

Phenol

Concen: 50.425 ng

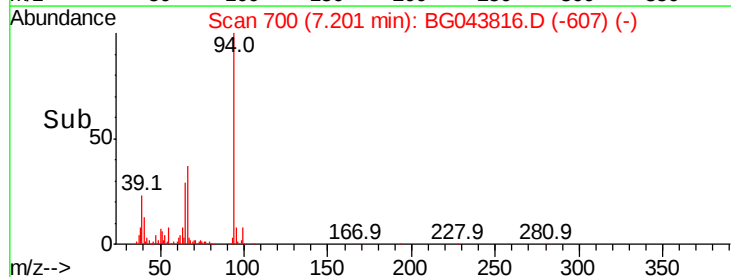
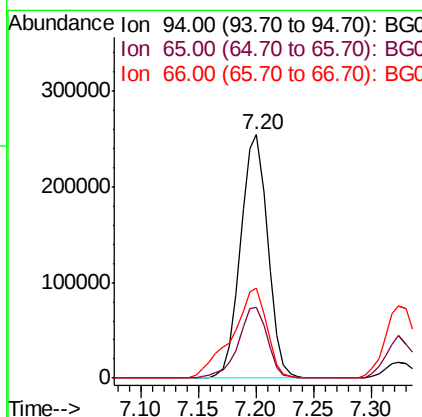
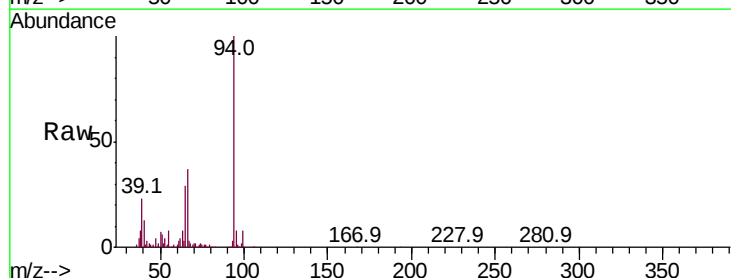
RT: 7.20 min Scan# 700

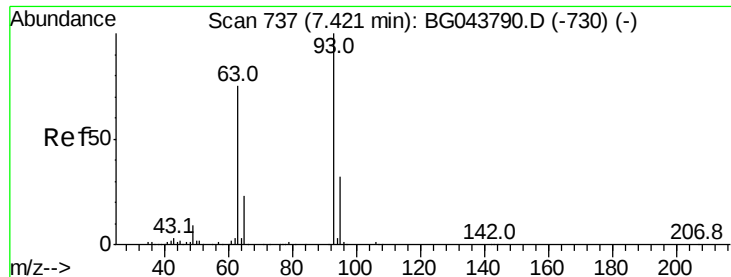
Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.9	9.5	49.5
66	36.9	16.8	56.8





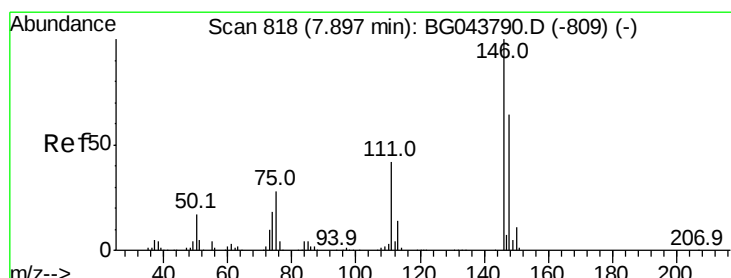
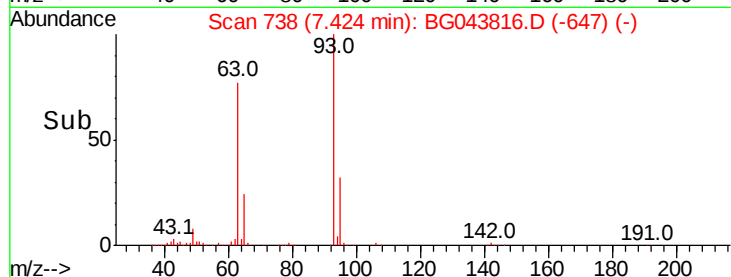
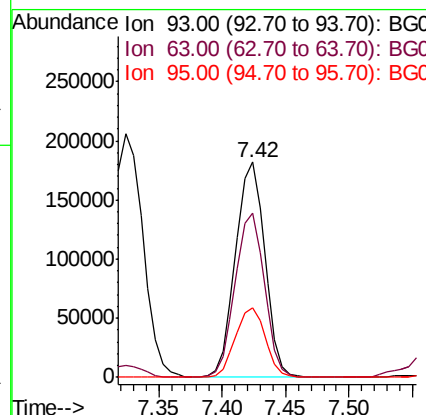
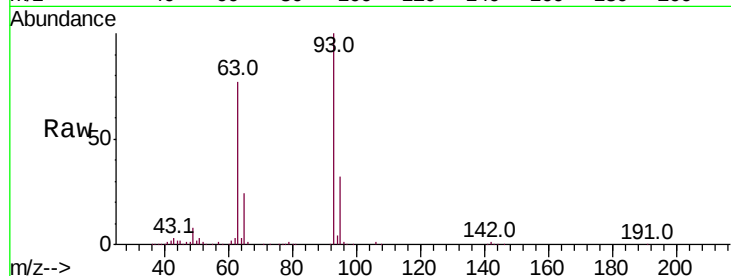
#11
bis(2-Chloroethyl)ether
Concen: 41.812 ng
RT: 7.42 min Scan# 738
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	76.7	54.7	94.7
95	32.2	11.3	51.3

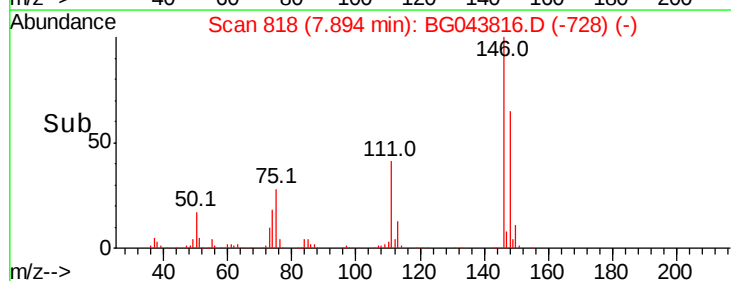
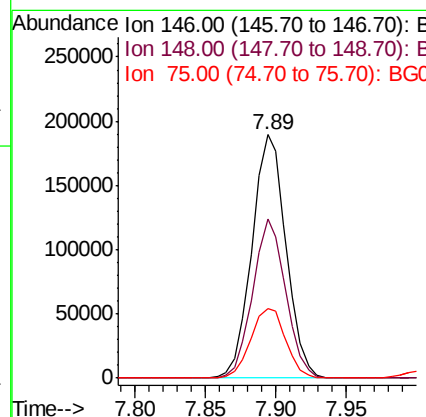
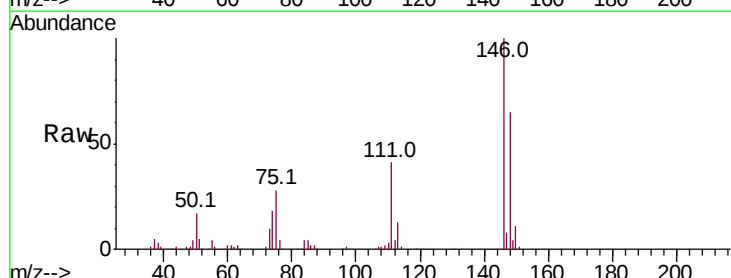
Manual Integrations
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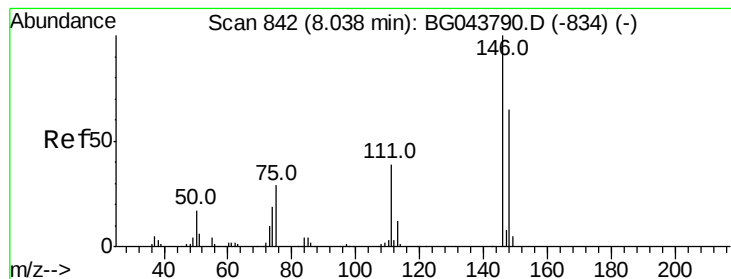
mohammad
12/18/2019 2:40:35 PM



#12
1,3-Dichlorobenzene
Concen: 41.477 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.4	77.2
75	28.4	22.4	33.6





#13

1,4-Dichlorobenzene

Concen: 41.419 ng

RT: 8.04 min Scan# 843

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

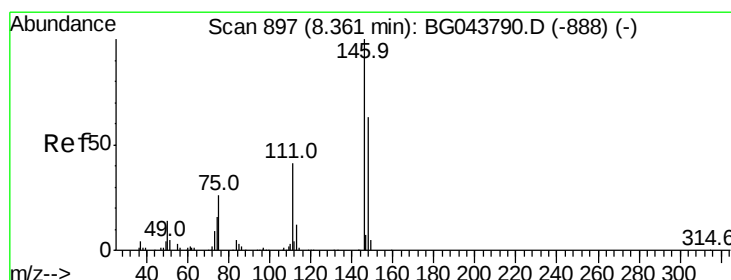
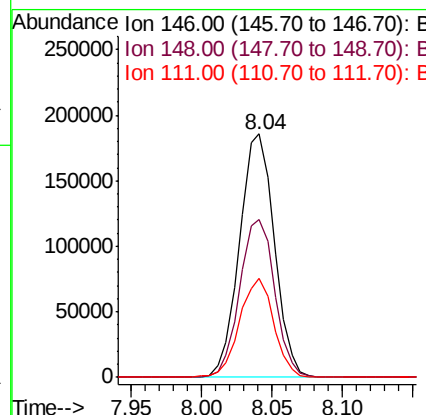
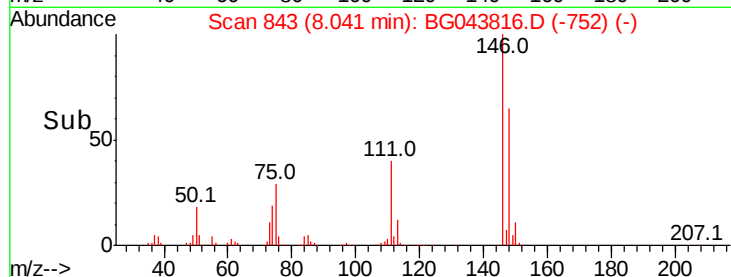
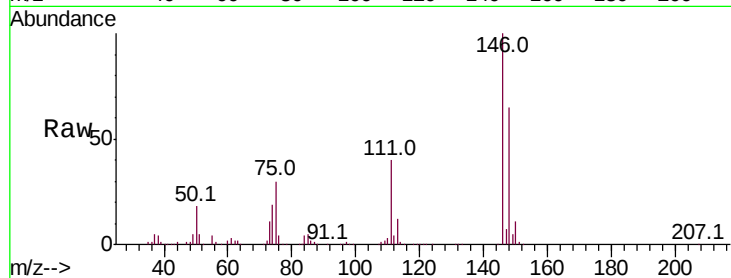
ClientSampleId :

PB125466BS

Tot Ion:	146	Resp:	320334
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.8	77.8
111	40.4	31.4	47.2

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#14

1,2-Dichlorobenzene

Concen: 41.235 ng

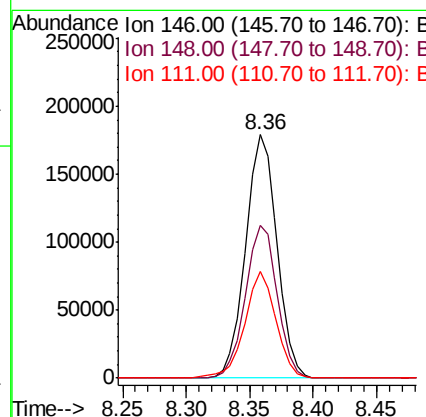
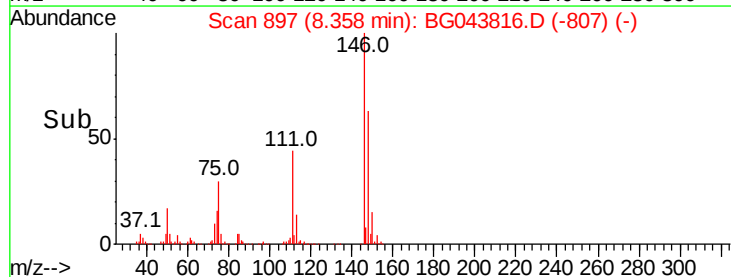
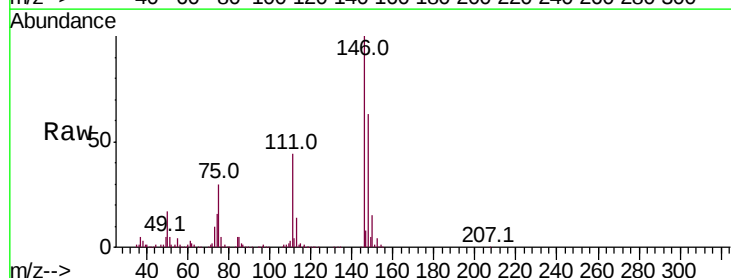
RT: 8.36 min Scan# 897

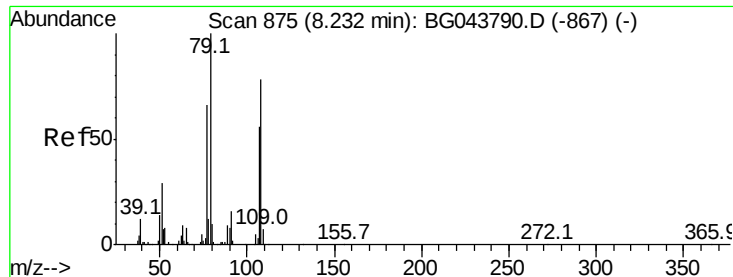
Delta R.T. -0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:	146	Resp:	307261
Ion Ratio	Lower	Upper	
146	100		
148	62.6	50.2	75.2
111	43.6	33.4	50.2





#15

Benzyl Alcohol

Concen: 46.506 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

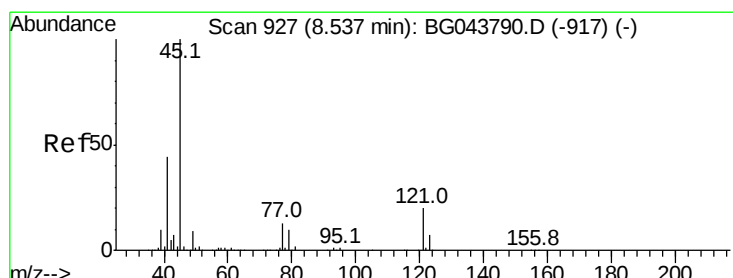
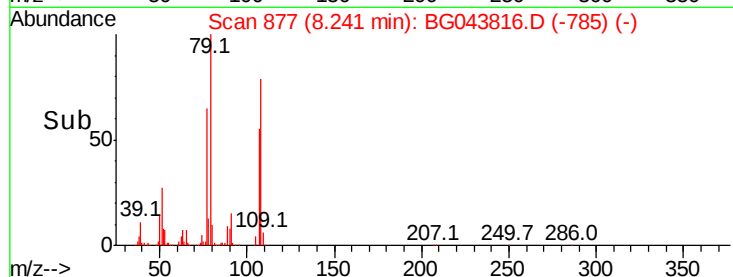
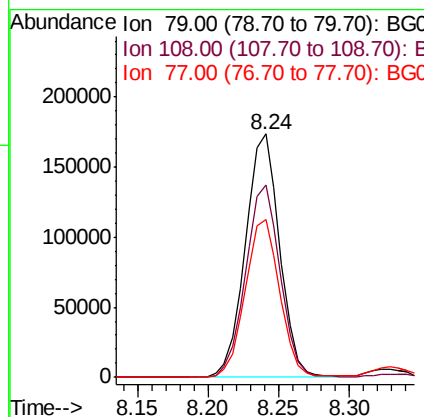
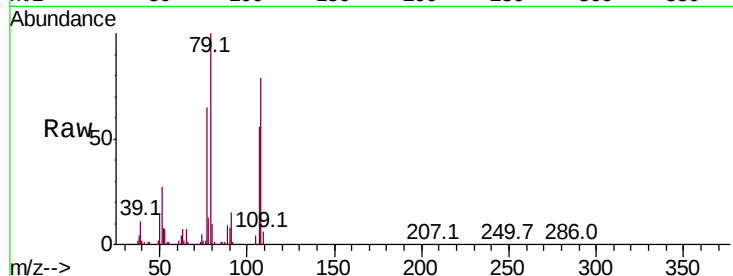
ClientSampleId :

PB125466BS

Tot Ion:	79	Resp:	295711
Ion Ratio	Lower	Upper	
79	100		
108	79.3	62.2	93.2
77	64.7	52.8	79.2

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.525 ng

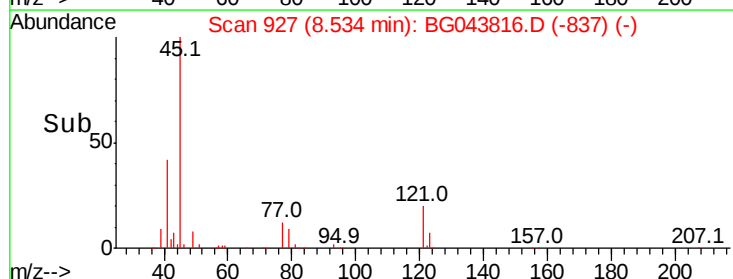
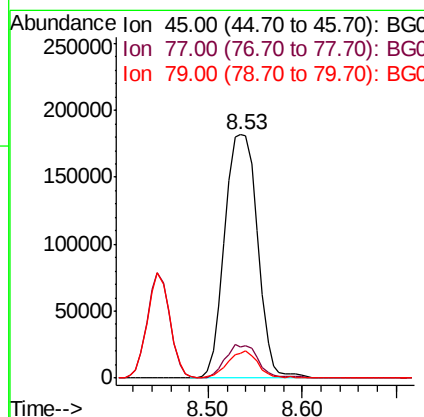
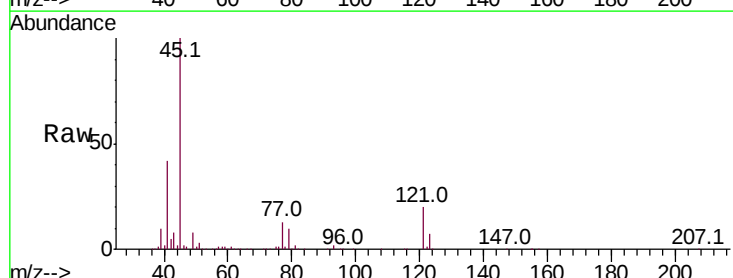
RT: 8.53 min Scan# 927

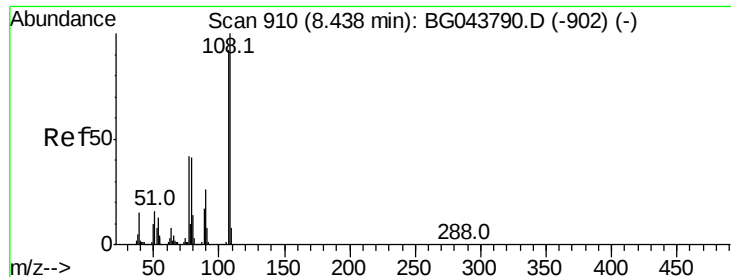
Delta R.T. -0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:	45	Resp:	443408
Ion Ratio	Lower	Upper	
45	100		
77	13.0	0.0	33.6
79	10.1	0.0	29.9





#17

2-Methylphenol

Concen: 50.240 ng

RT: 8.45 min Scan# 912

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

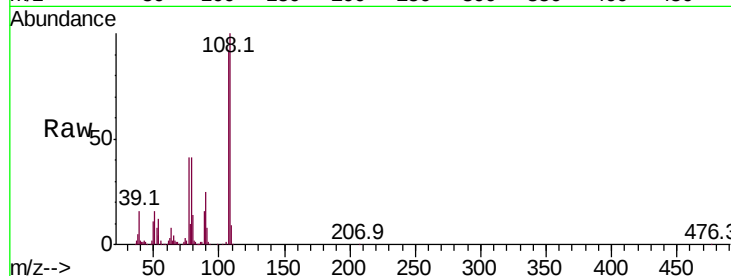
ClientSampleId :

PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.1	87.2	130.8	
77	44.7	36.6	54.8	
79	45.0	35.5	53.3	

Manual Integrations
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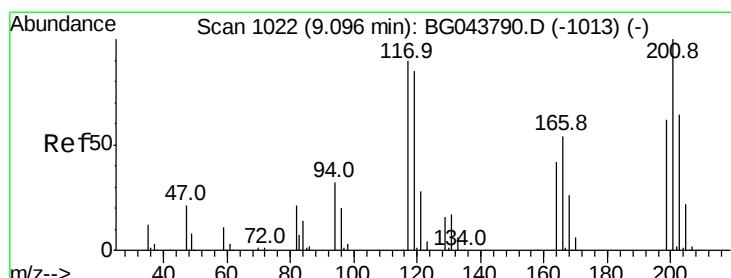
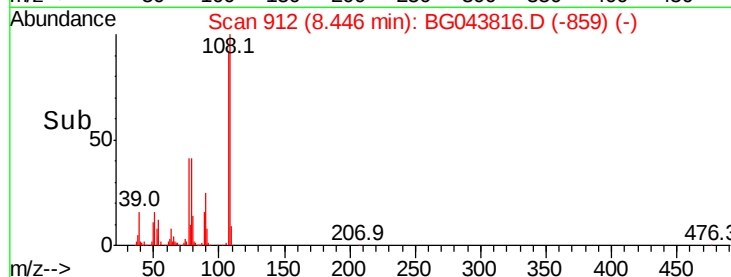
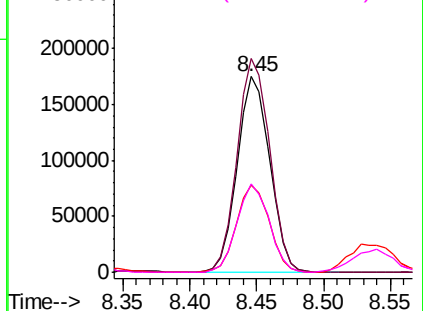
Abundance

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: 41.192 ng

RT: 9.09 min Scan# 1022

Delta R.T. -0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

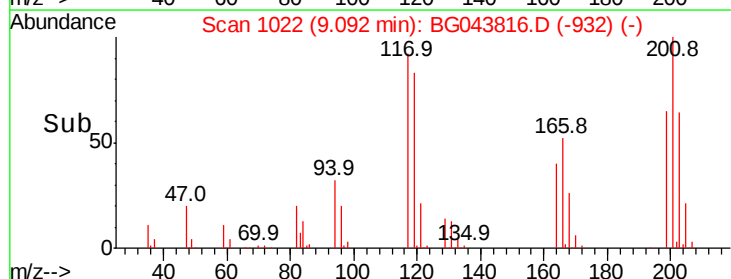
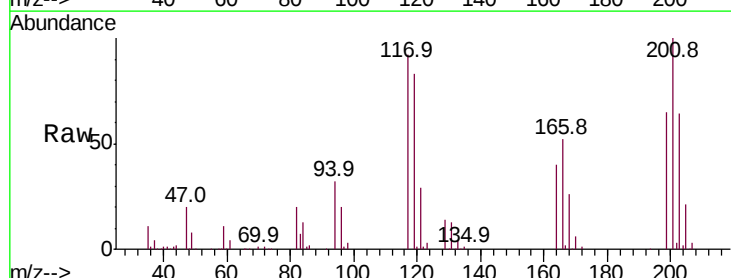
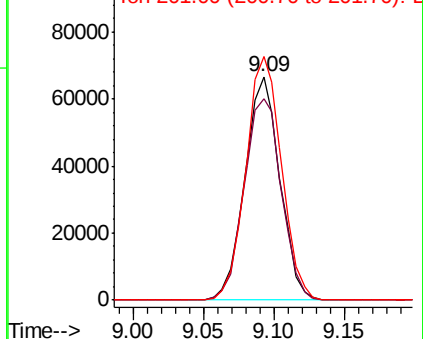
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	90.4	75.6	113.4	
201	109.1	88.6	133.0	

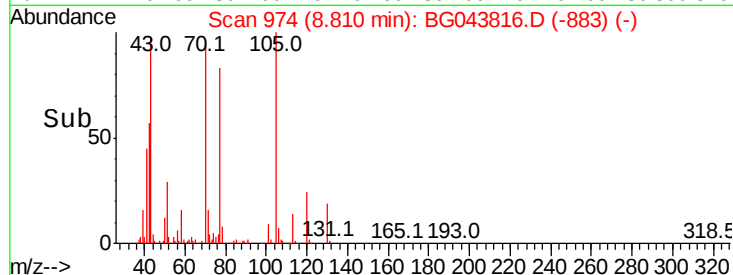
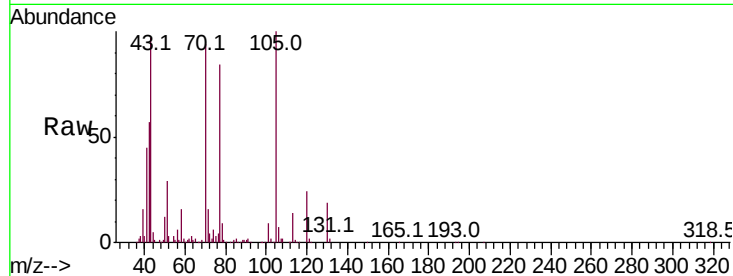
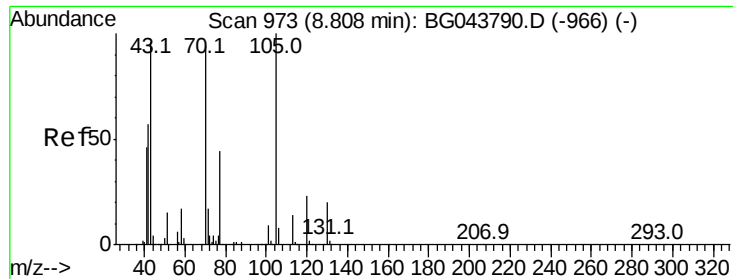
Abundance

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





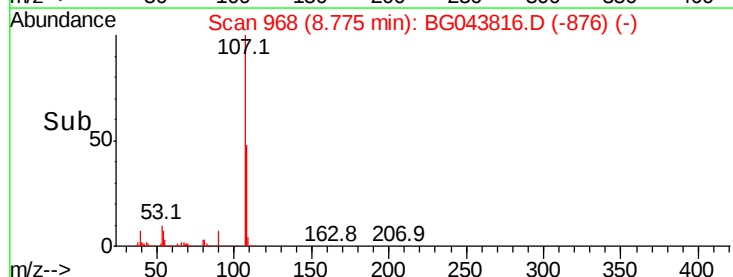
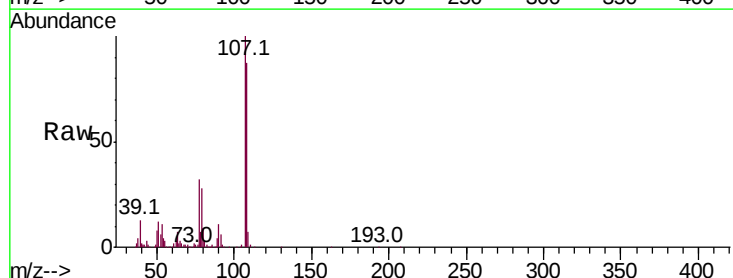
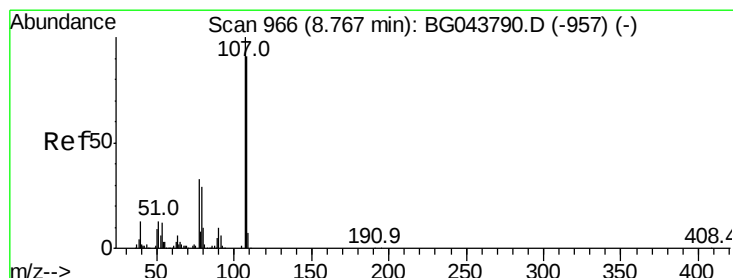
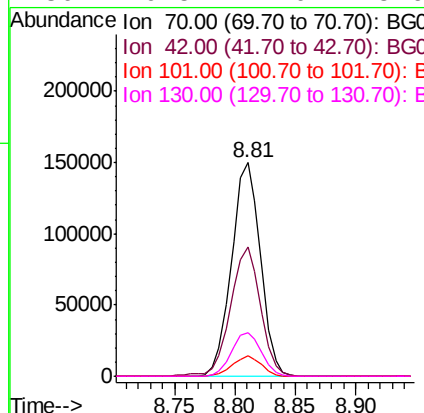
#19
n-Nitroso-di-n-propylamine
Concen: 40.872 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tot Ion	Ratio	Lower	Upper
70	100		
42	60.6	49.2	73.8
101	9.4	7.8	11.6
130	20.5	17.0	25.6

Instrument :
BNA_G
ClientSampleId :
PB125466BS

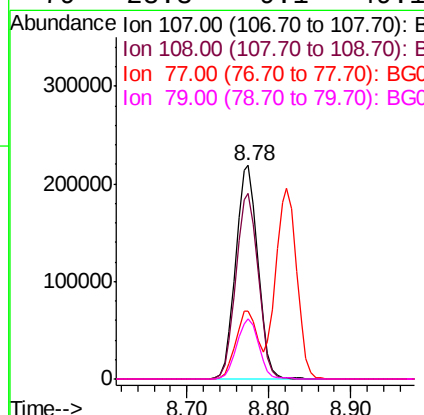
Manual Integrations
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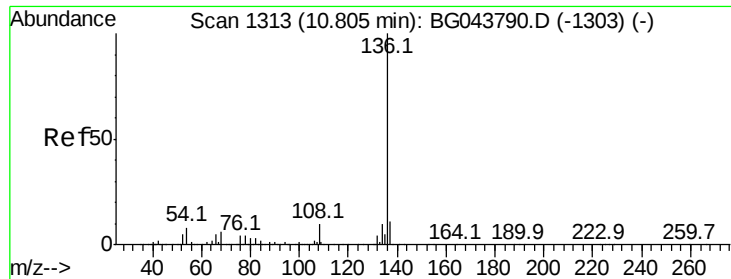
mohammad
12/18/2019 2:40:35 PM



#20
3+4-Methylphenols
Concen: 50.462 ng
RT: 8.78 min Scan# 968
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.1	70.9	110.9
77	31.7	12.7	52.7
79	28.3	9.1	49.1





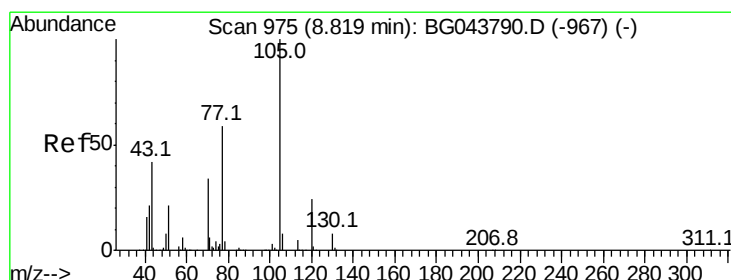
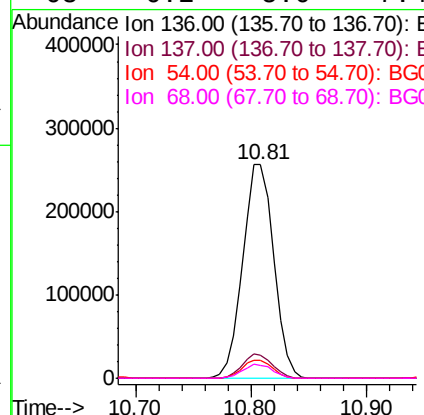
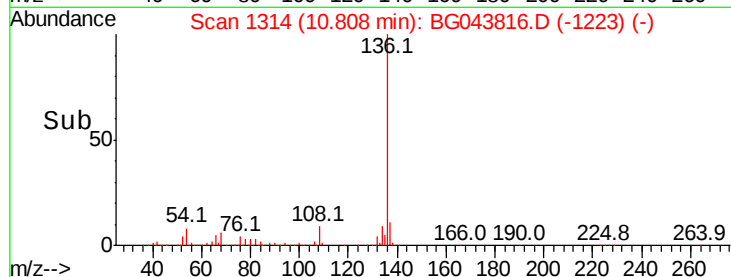
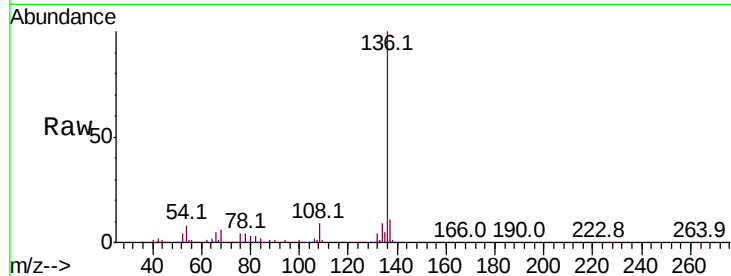
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	476933		
137	10.9		8.7	13.1
54	8.4		6.8	10.2
68	6.2		5.0	7.4

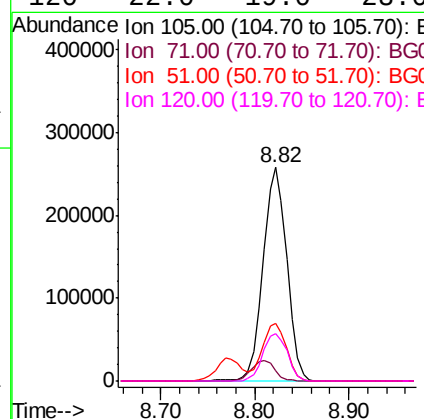
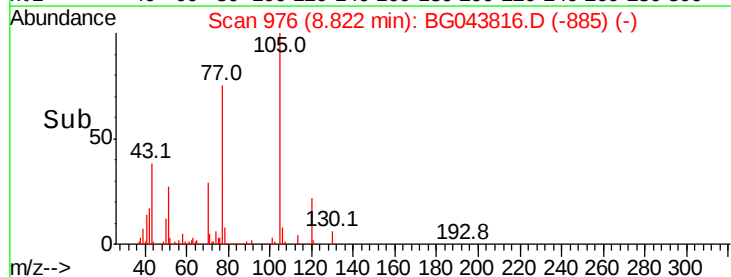
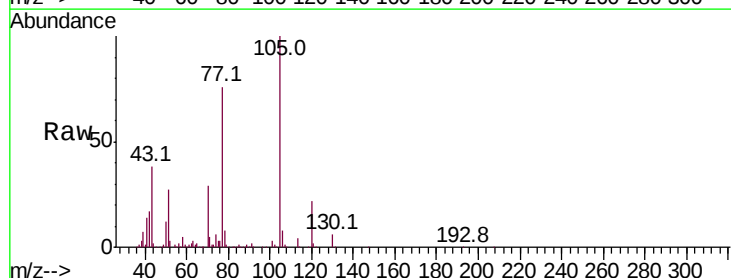
Manual Integrations
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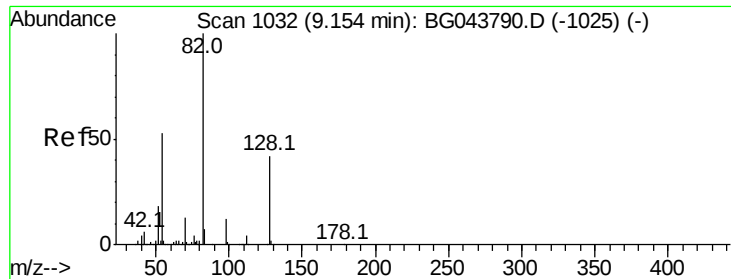
mohammad
12/18/2019 2:40:35 PM



#22
Acetophenone
Concen: 37.912 ng
RT: 8.82 min Scan# 976
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	450940		
71	5.1		4.9	7.3
51	27.0		22.2	33.4
120	22.0		19.0	28.6





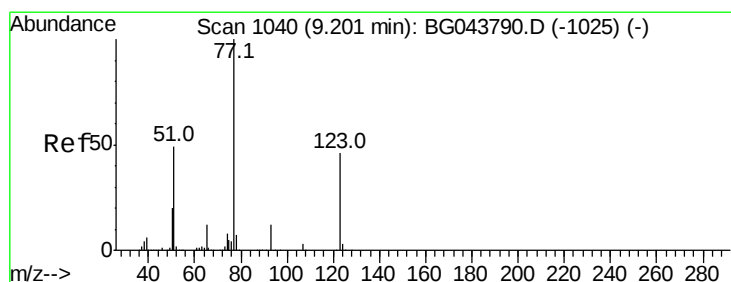
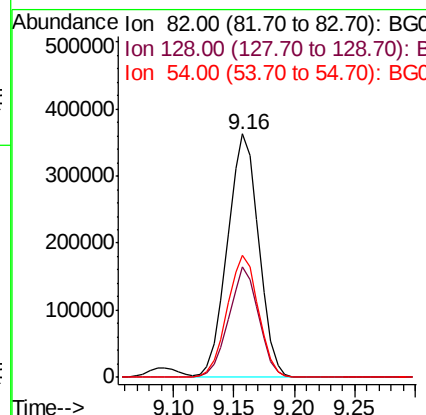
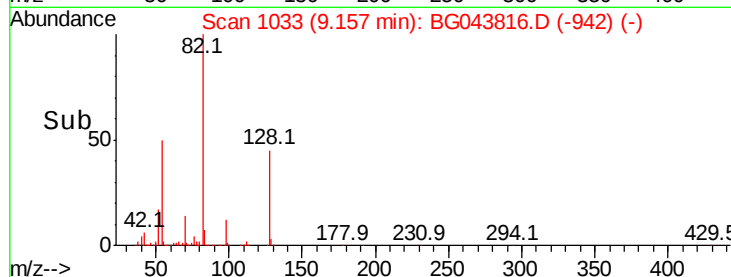
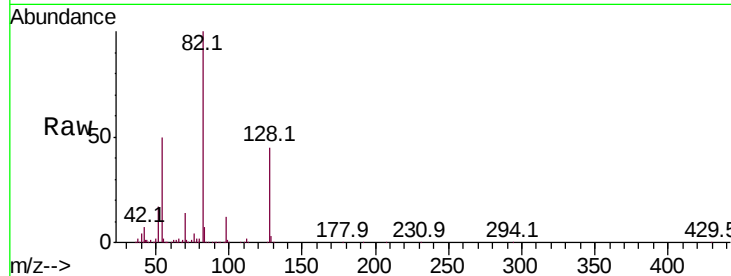
#23
 Nitrobenzene-d5
 Concen: 76.586 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Instrument :
 BNA_G
 ClientSampleID :
 PB125466BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	33.6	50.4
54	49.9	42.1	63.1

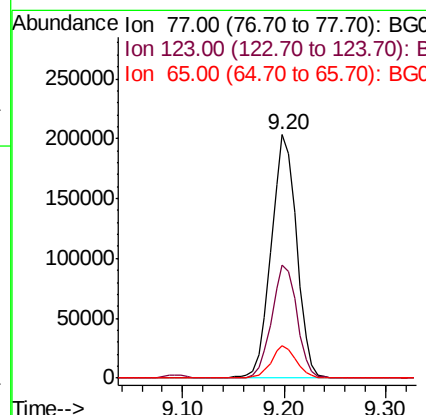
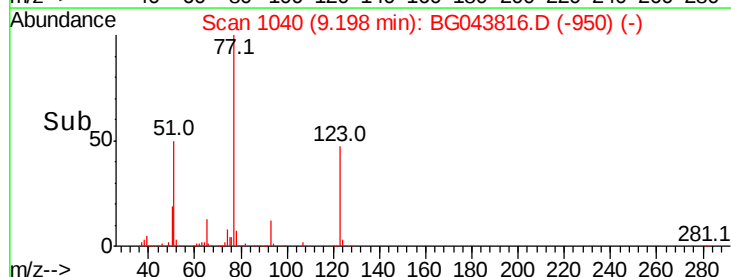
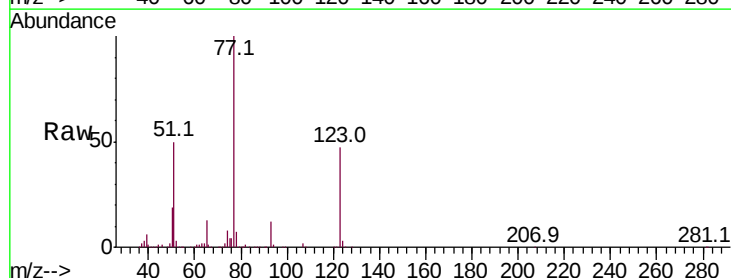
Manual Integrations
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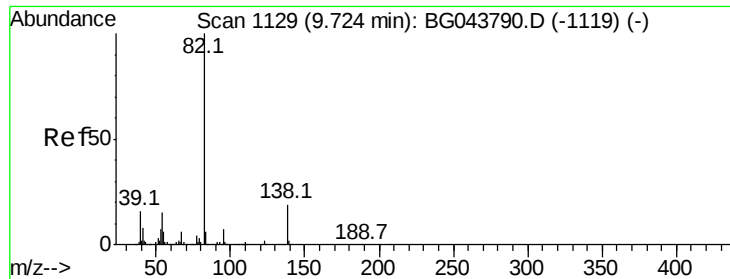
mohammad
 12/18/2019 2:40:35 PM



#24
 Nitrobenzene
 Concen: 40.908 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.7	36.6	55.0
65	13.1	9.8	14.6





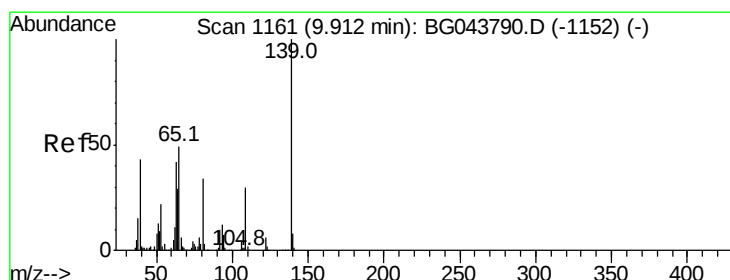
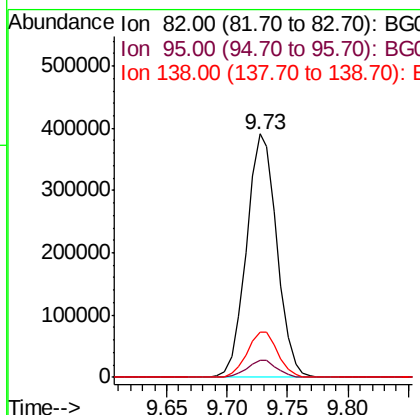
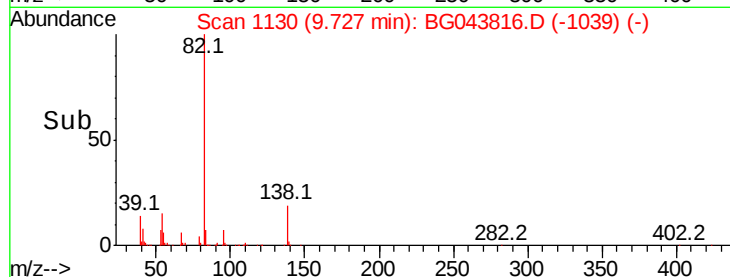
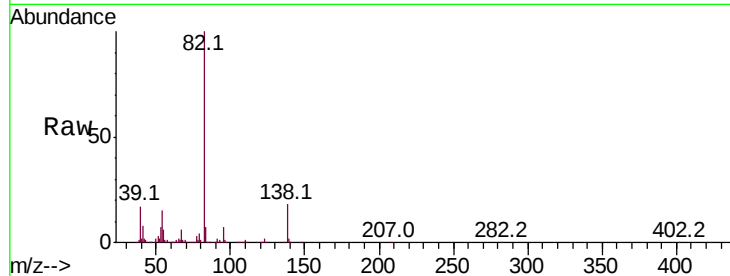
#25
Isophorone
Concen: 40.360 ng
RT: 9.73 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.8	5.6	8.4	
138	18.4	14.8	22.2	

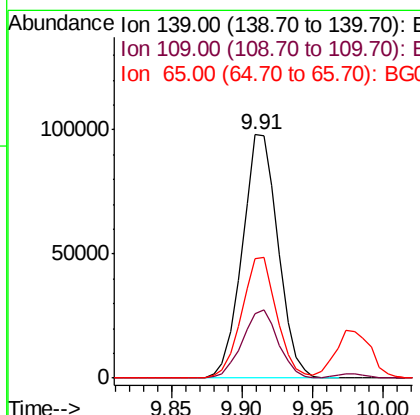
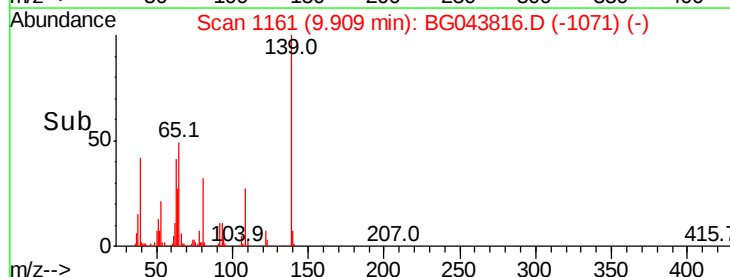
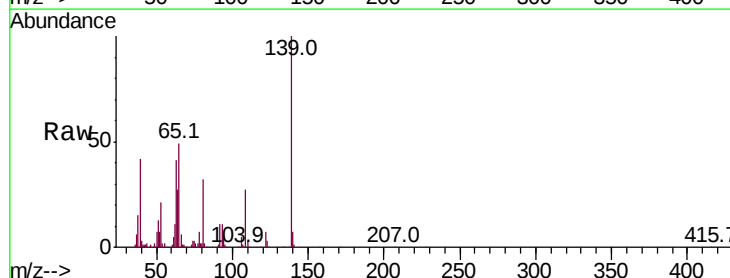
Manual Integrations
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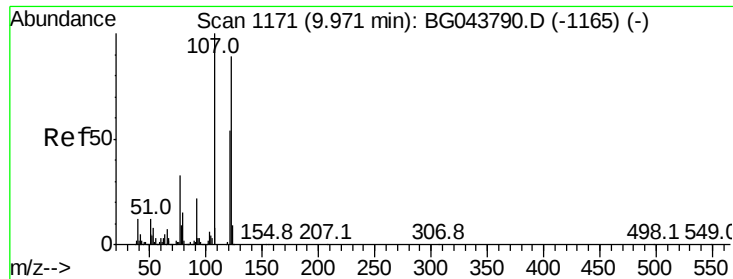
mohammad
12/18/2019 2:40:35 PM



#26
2-Nitrophenol
Concen: 50.939 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	26.7	23.9	35.9	
65	48.9	39.3	58.9	





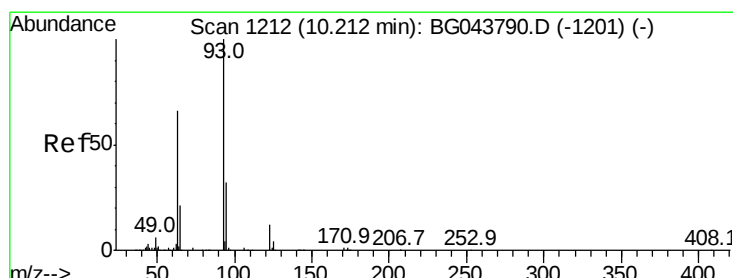
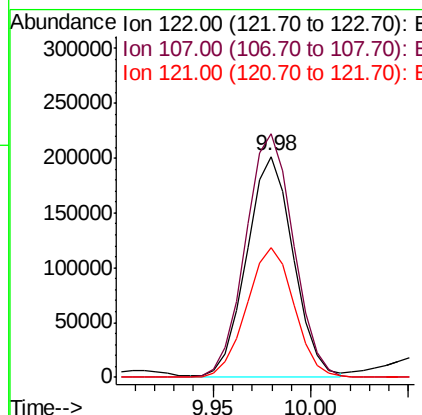
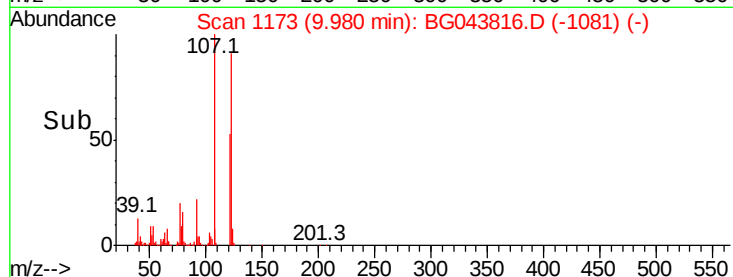
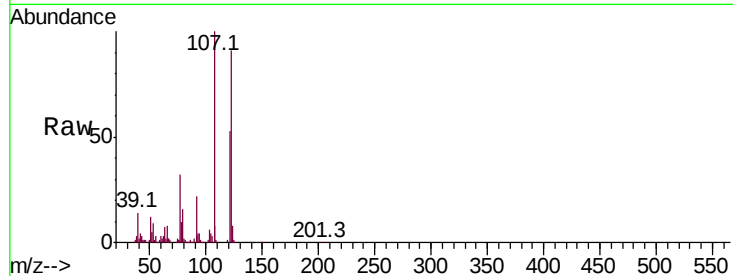
#27
2,4-Dimethylphenol
Concen: 55.432 ng
RT: 9.98 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp Lower	Upper
122	100		
107	110.2	90.0	135.0
121	58.9	48.6	73.0

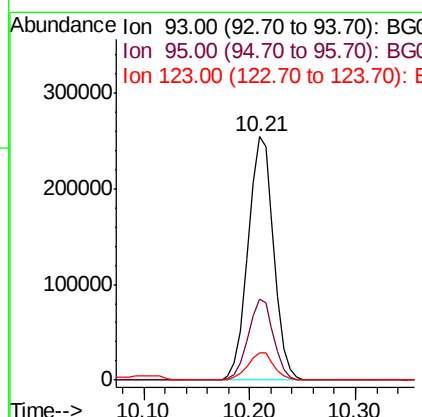
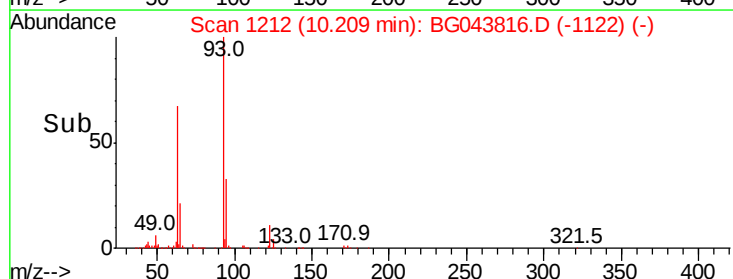
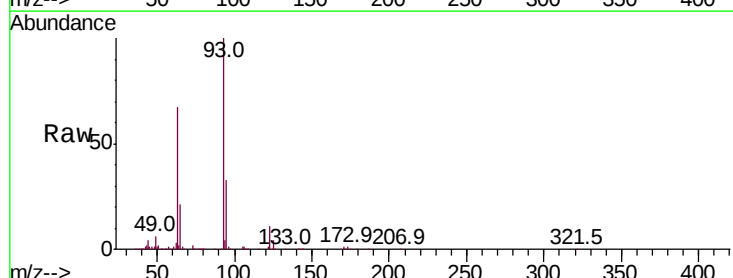
Manual Integrations
APPROVED

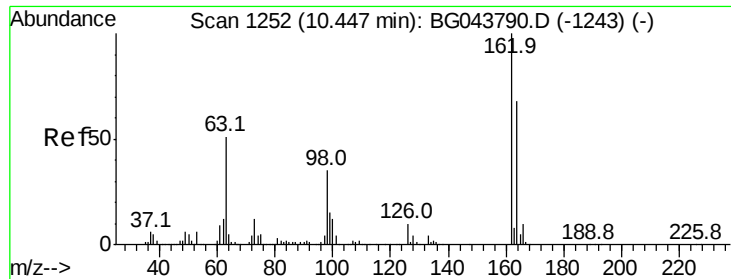
mohammad
12/18/2019 2:40:35 PM



#28
bis(2-Chloroethoxy)methane
Concen: 39.408 ng
RT: 10.21 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
95	33.1	25.7	38.5
123	11.4	9.5	14.3





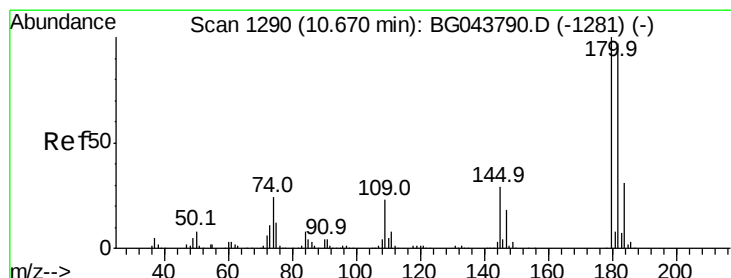
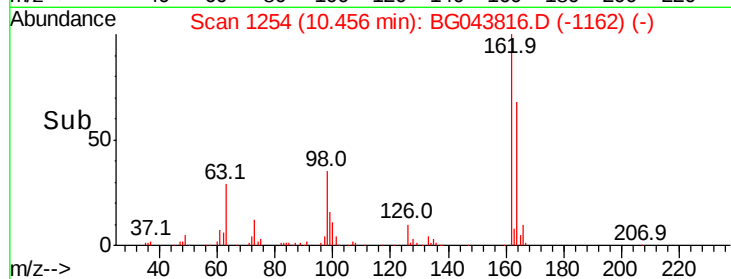
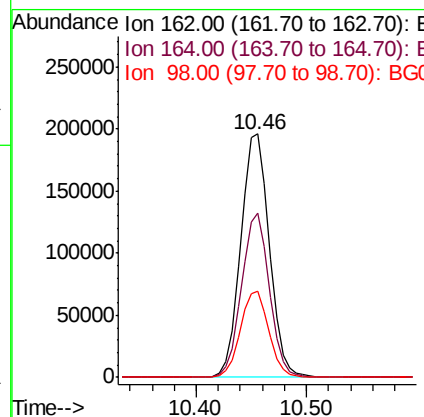
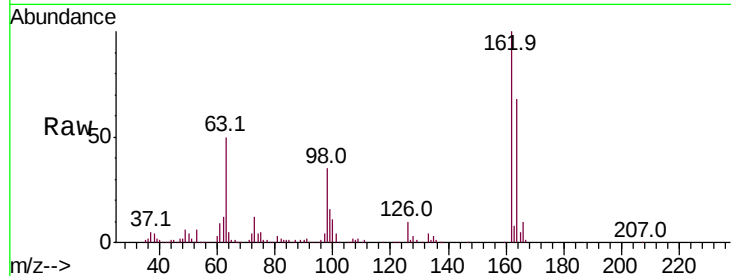
#29
2,4-Dichlorophenol
Concen: 48.558 ng
RT: 10.46 min Scan# 1254
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	67.5	48.0	88.0	
98	35.4	14.9	54.9	

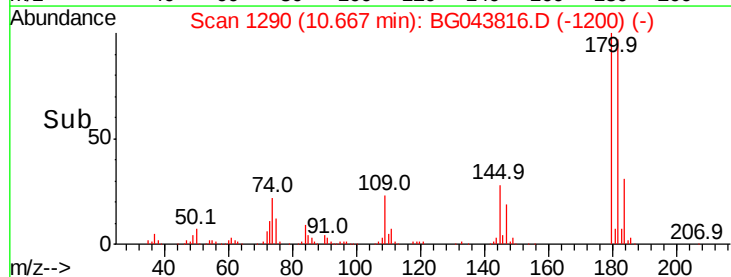
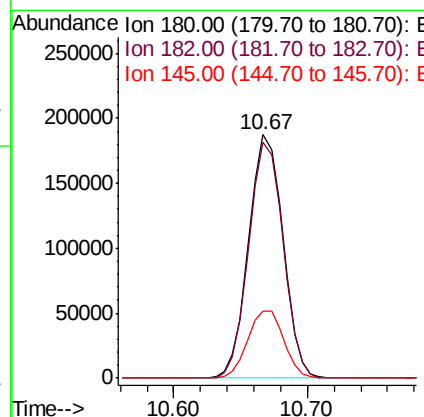
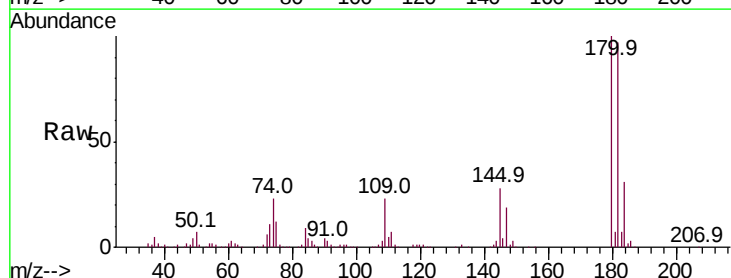
Manual Integrations
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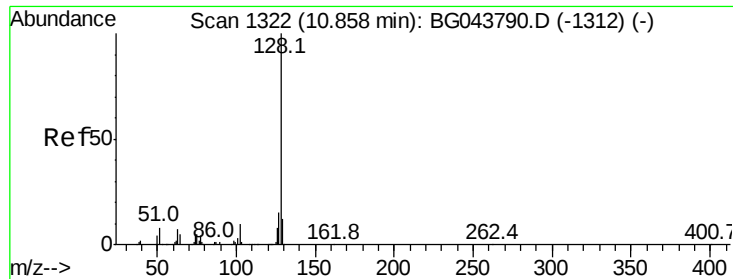
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 38.336 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	77.8	116.8	
145	27.6	23.0	34.6	





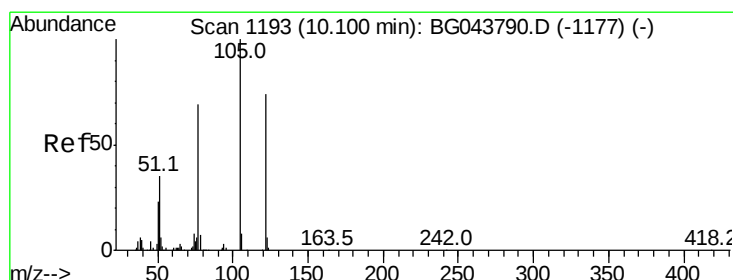
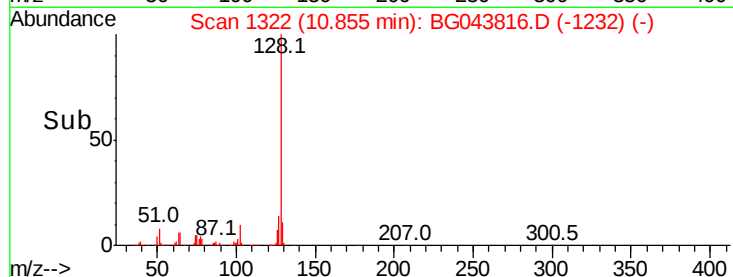
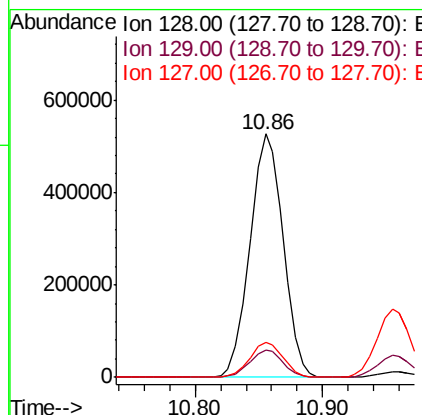
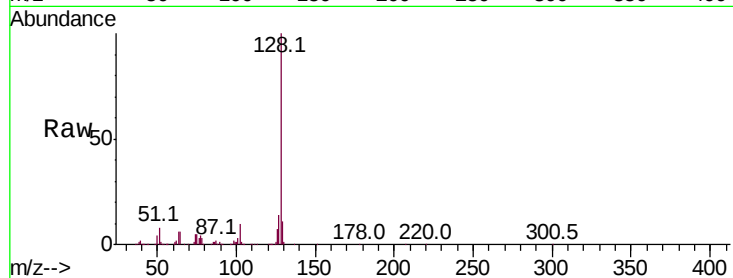
#31
Naphthalene
Concen: 41.908 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.8	14.6
127	14.4	11.9	17.9

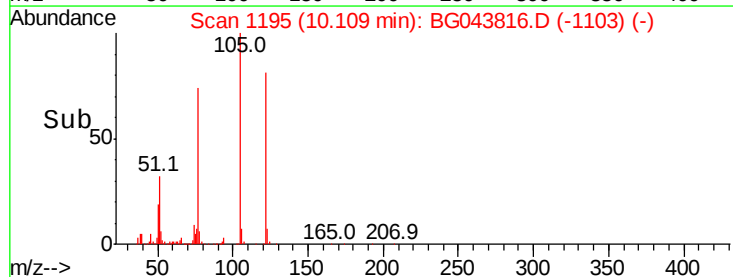
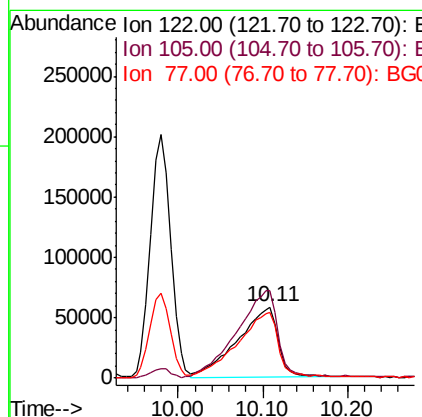
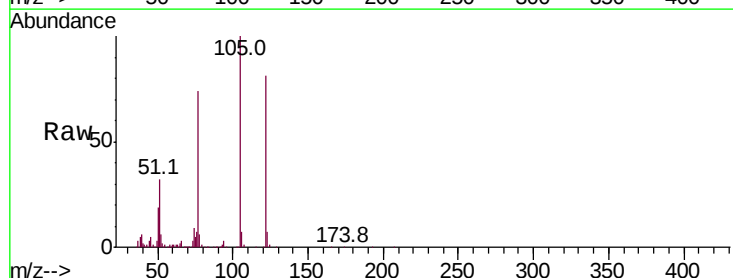
Manual Integrations
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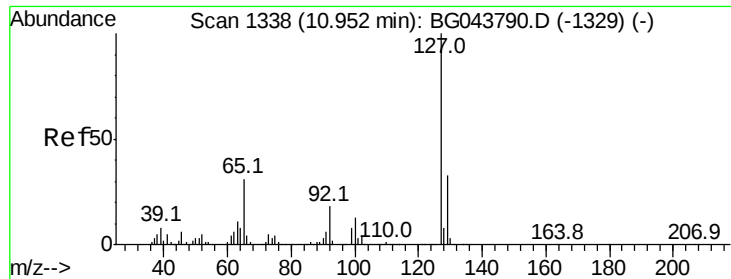
mohammad
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#32
Benzoic acid
Concen: 46.462 ng
RT: 10.11 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.9	107.5	147.5
77	91.6	71.7	111.7





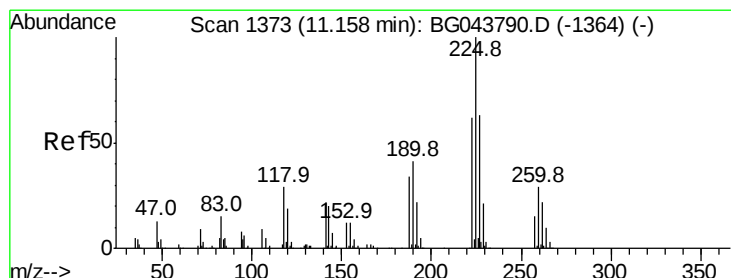
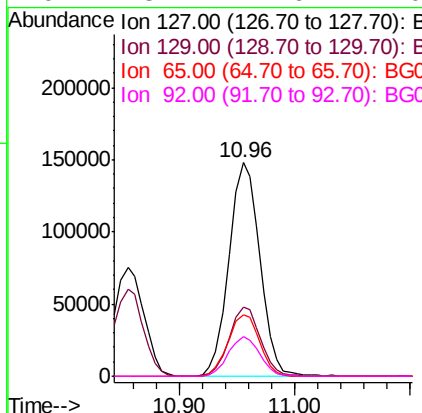
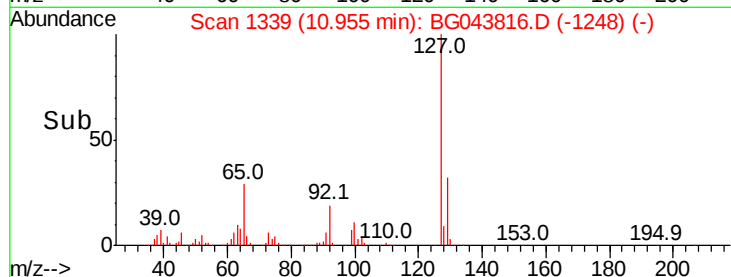
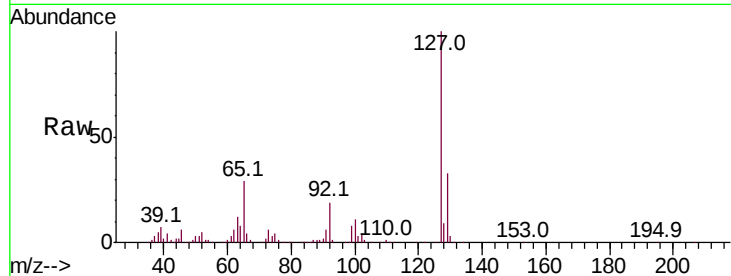
#33
4-Chloroaniline
Concen: 24.579 ng
RT: 10.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	26.1	39.1		
65	28.9	24.4	36.6		
92	18.7	14.6	22.0		

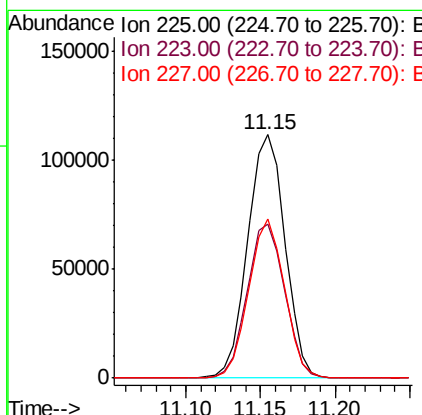
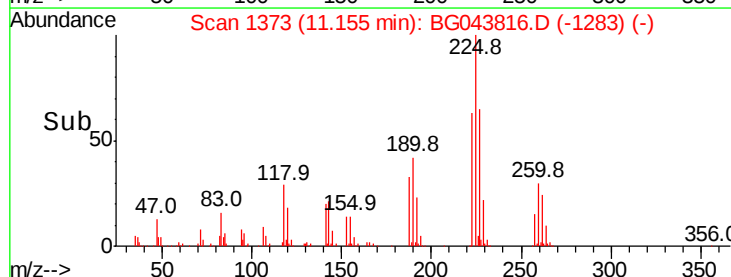
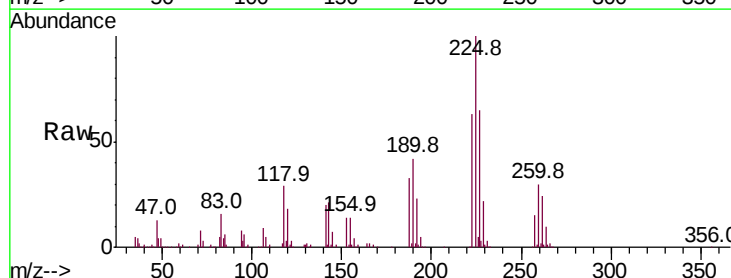
Manual Integrations
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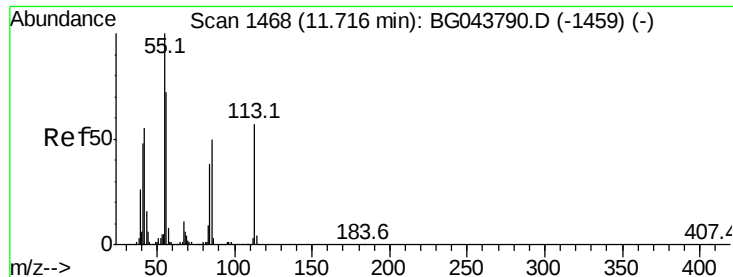
mohammad
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#34
Hexachlorobutadiene
Concen: 36.345 ng
RT: 11.15 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.2	49.3	73.9		
227	65.4	50.2	75.2		





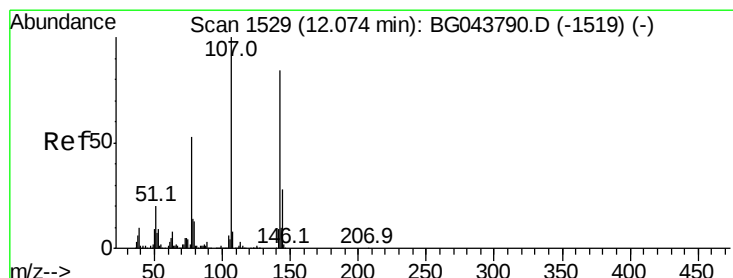
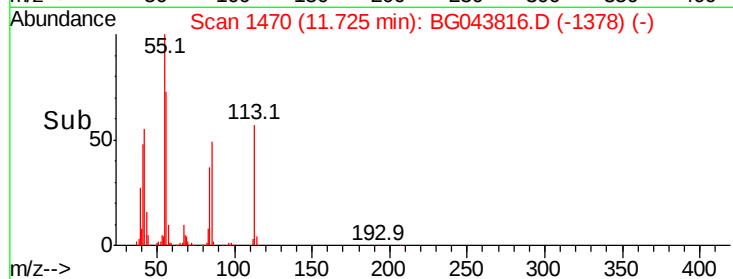
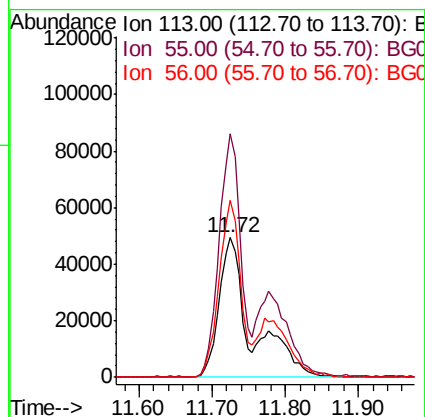
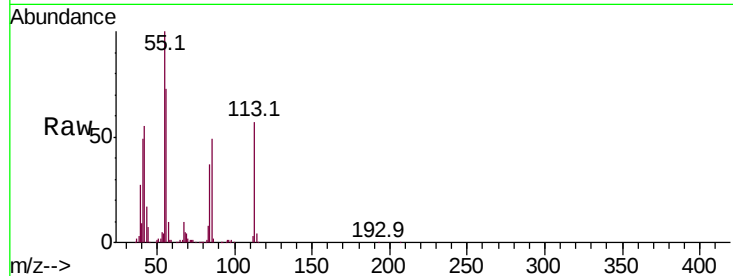
#35
Caprolactam
Concen: 52.261 ng/ml
RT: 11.72 min Scan# 1470
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	174.5	154.2	194.2
56	127.3	105.6	145.6

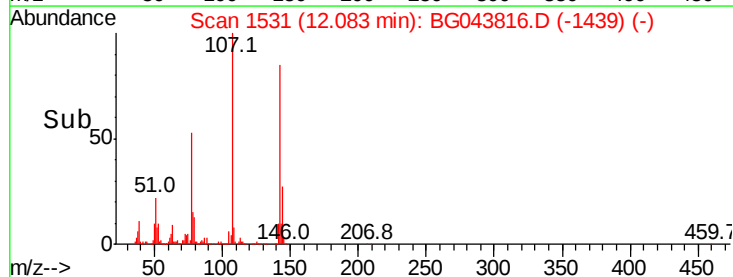
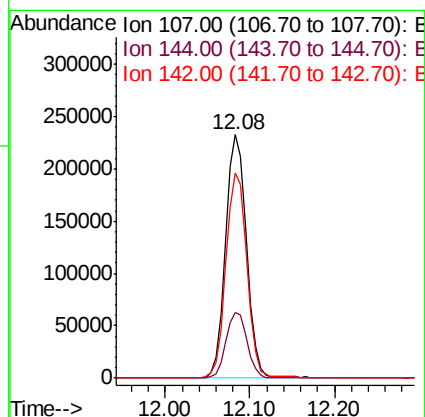
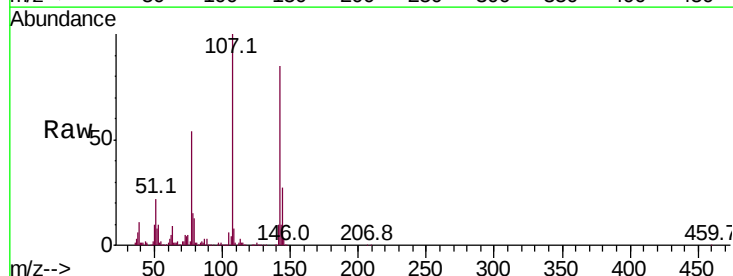
Manual Integrations
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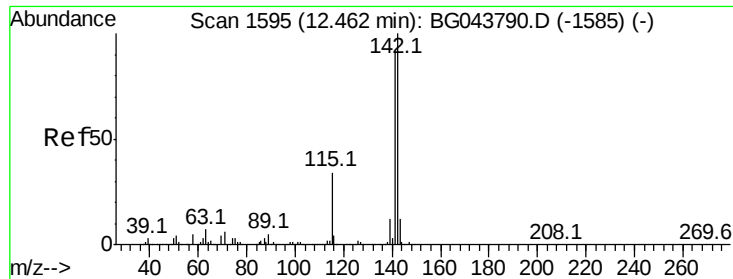
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 50.254 ng/ml
RT: 12.08 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.7	22.2	33.4
142	84.6	67.0	100.6





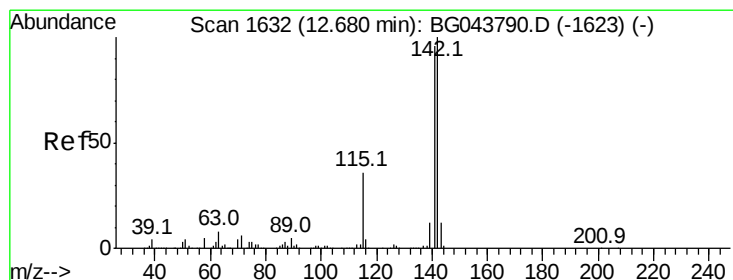
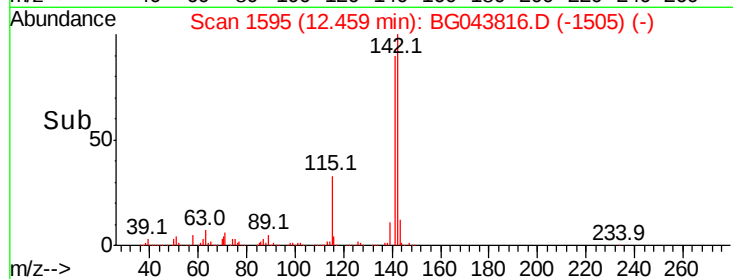
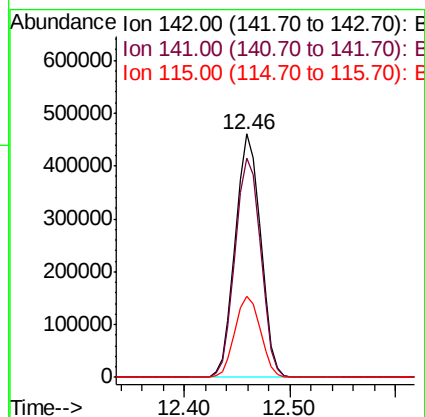
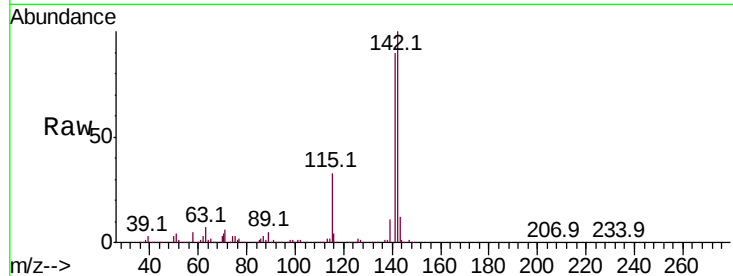
#37
2-Methylnaphthalene
Concen: 43.020 ng
RT: 12.46 min Scan# 1595
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.2	109.8
115	33.3	27.3	40.9

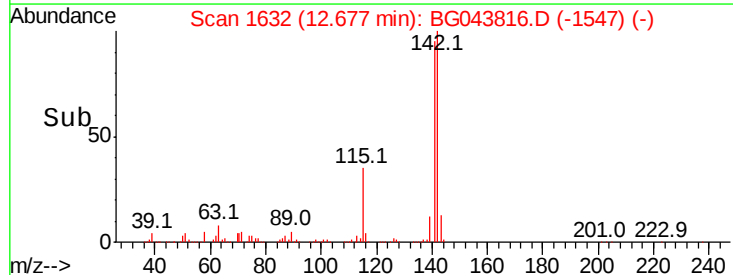
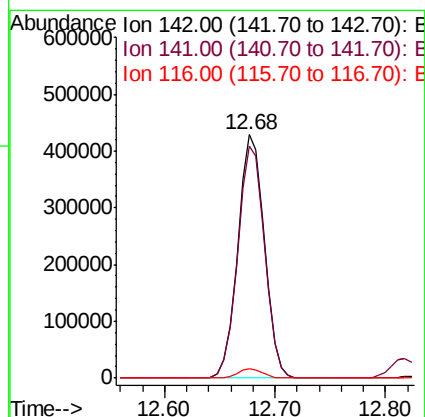
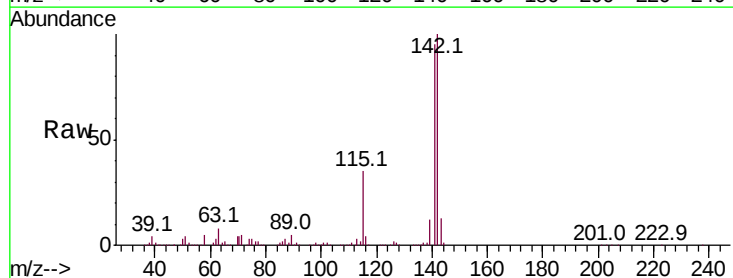
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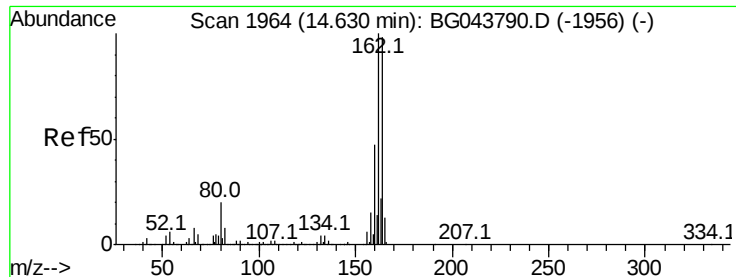
mohammad
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#38
1-Methylnaphthalene
Concen: 42.889 ng
RT: 12.68 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.3	76.9	115.3
116	3.8	3.2	4.8





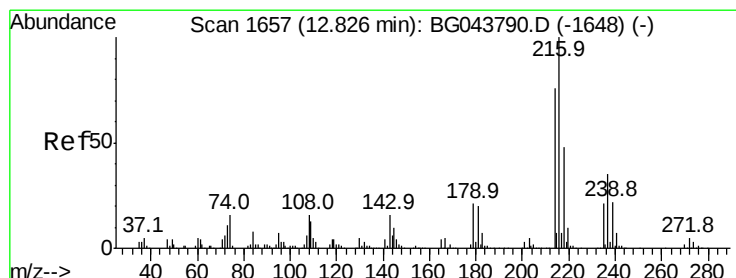
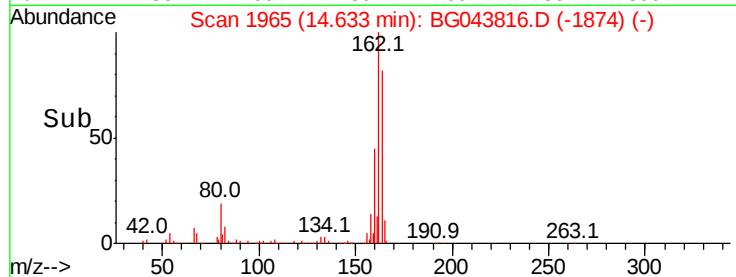
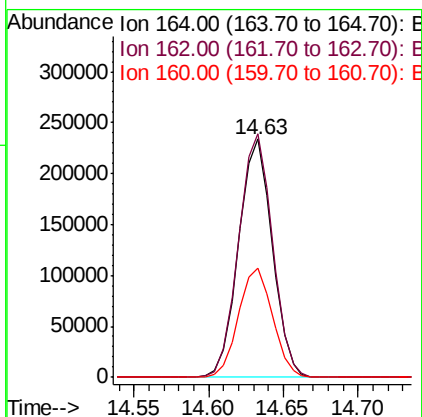
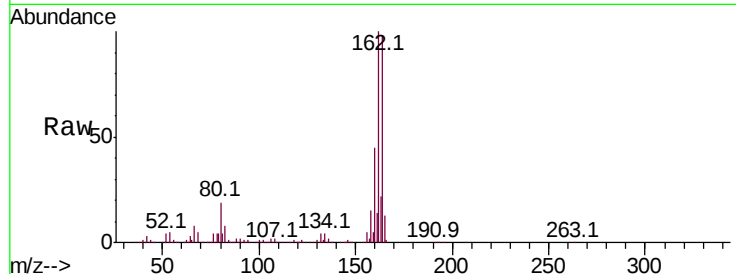
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	81.9	122.9	
160	46.1	38.3	57.5	

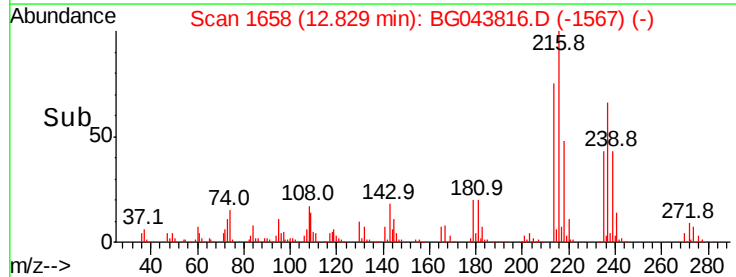
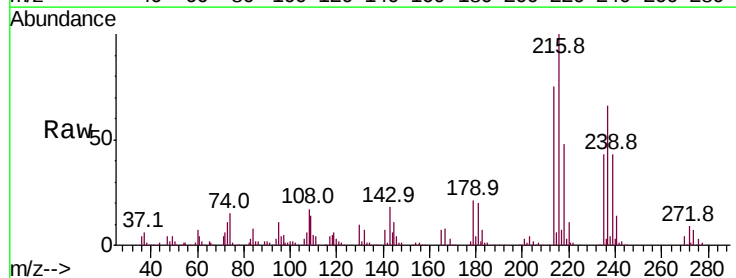
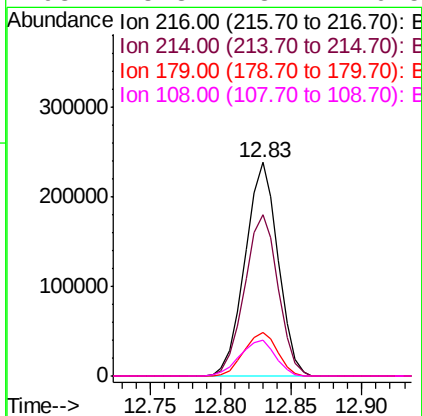
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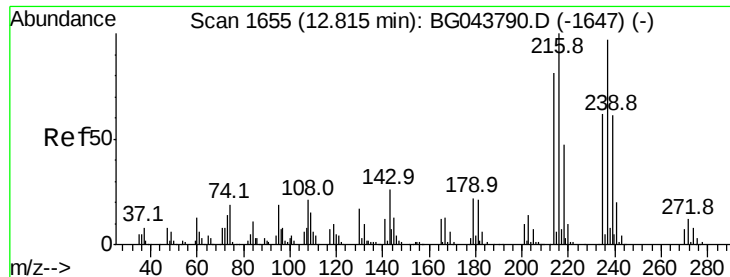
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.490 ng
RT: 12.83 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	77.1	62.2	93.4	
179	20.9	16.6	25.0	
108	18.3	13.7	20.5	





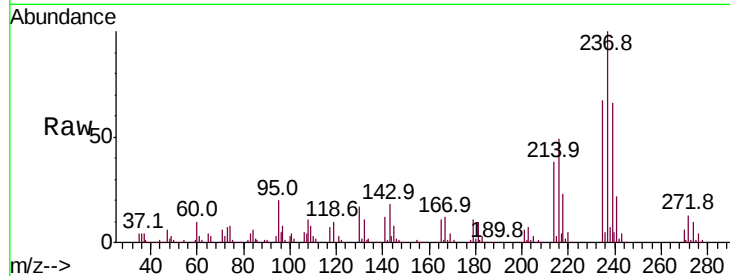
#41
 Hexachlorocyclopentadiene
 Concen: 90.170 ng
 RT: 12.82 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Instrument :
 BNA_G
 ClientSampleId :
 PB125466BS

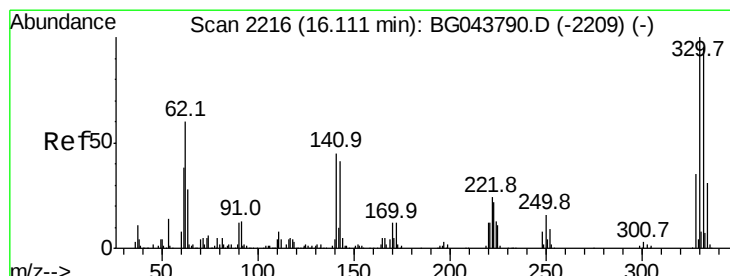
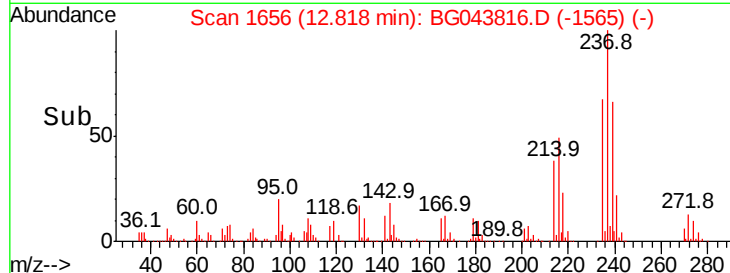
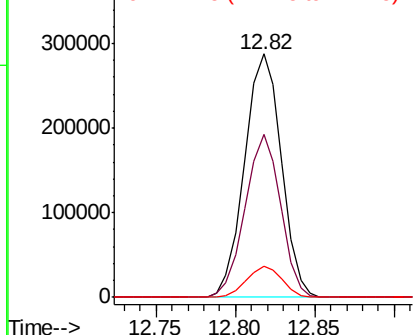
Tot Ion:	237	Resp:	464047
Ion Ratio		Lower	Upper
237	100		
235	66.8	43.9	83.9
272	12.6	0.0	32.0

Manual Integrations
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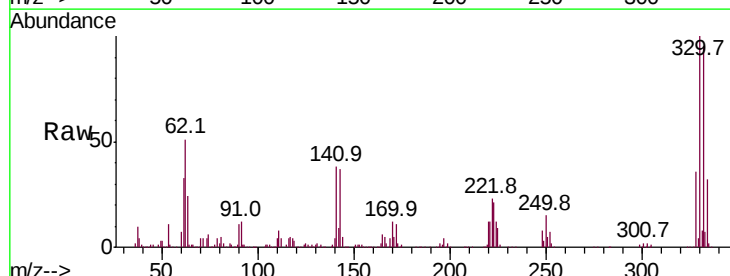


Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

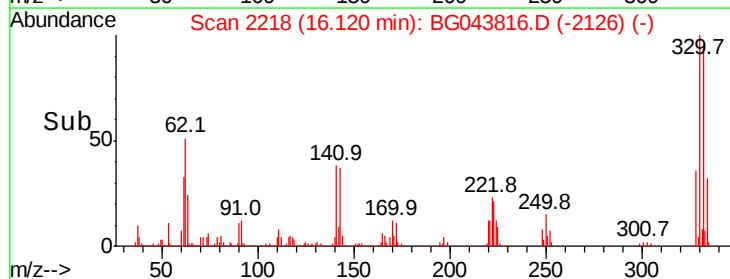
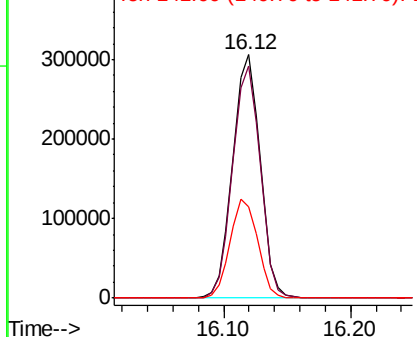


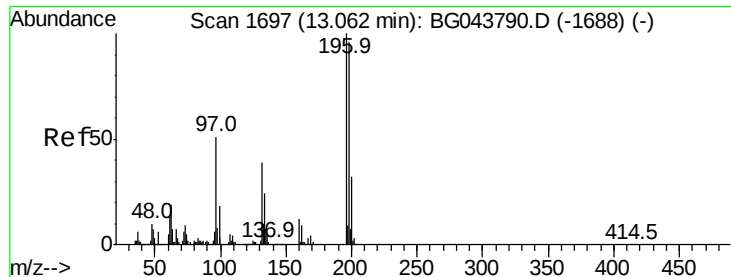
#42
 2,4,6-Tribromophenol
 Concen: 131.922 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tgt Ion:	330	Resp:	458905
Ion Ratio		Lower	Upper
330	100		
332	95.9	76.9	115.3
141	40.9	33.8	50.8



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





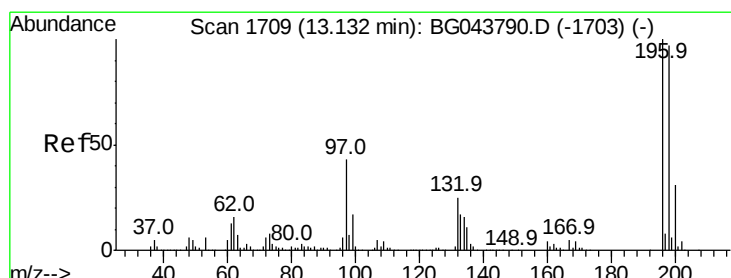
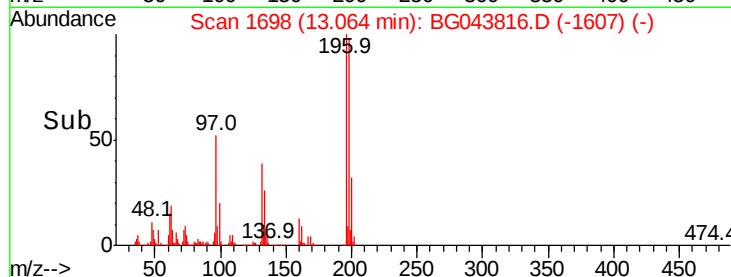
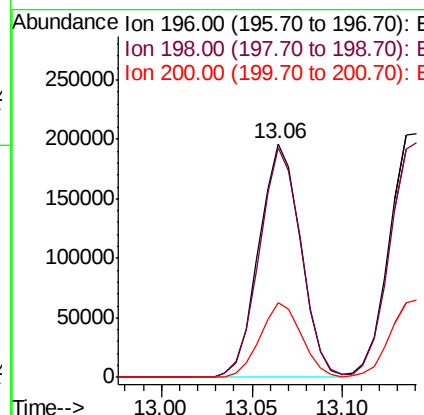
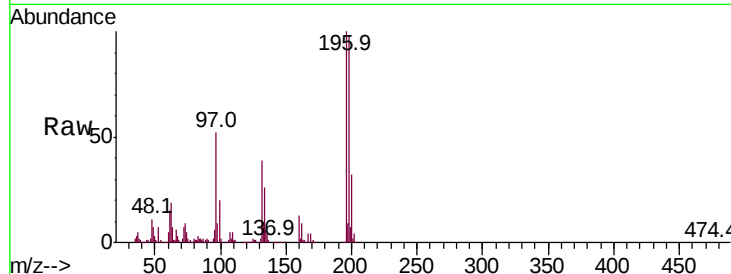
#43
2,4,6-Trichlorophenol
Concen: 45.144 ng
RT: 13.06 min Scan# 1698
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	314605		
198	98.2	77.0	115.6	
200	32.2	25.7	38.5	

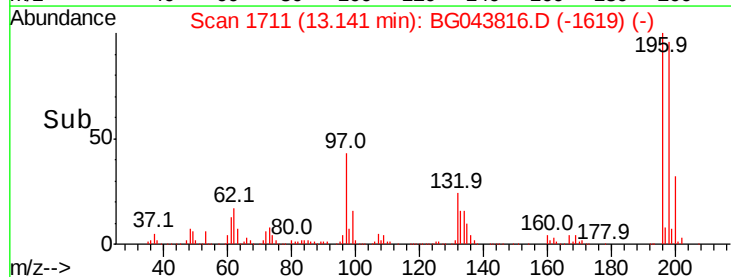
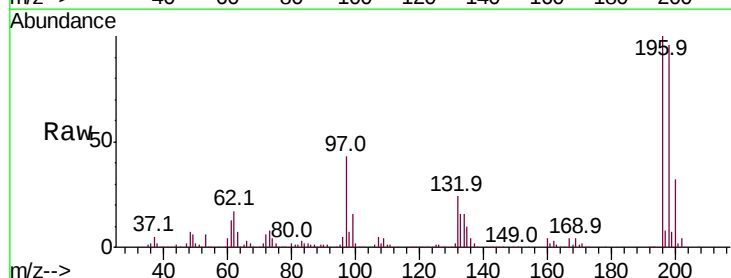
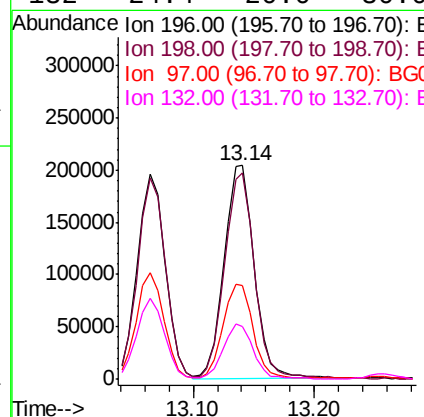
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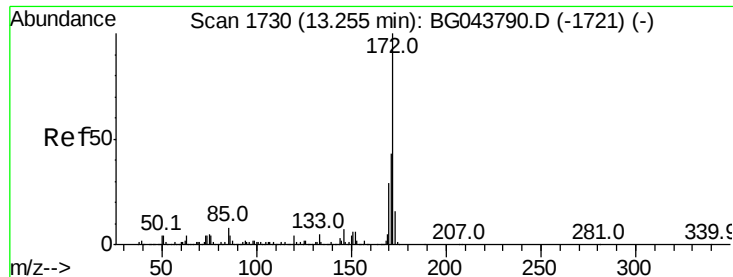
mohammad
12/18/2019 2:40:35 PM



#44
2,4,5-Trichlorophenol
Concen: 47.867 ng
RT: 13.14 min Scan# 1711
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	349483		
198	96.3	77.4	116.0	
97	43.5	34.7	52.1	
132	24.4	20.0	30.0	





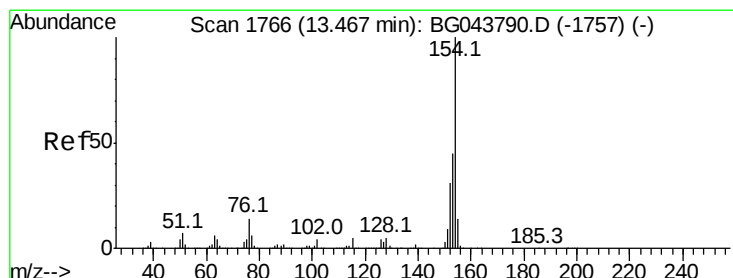
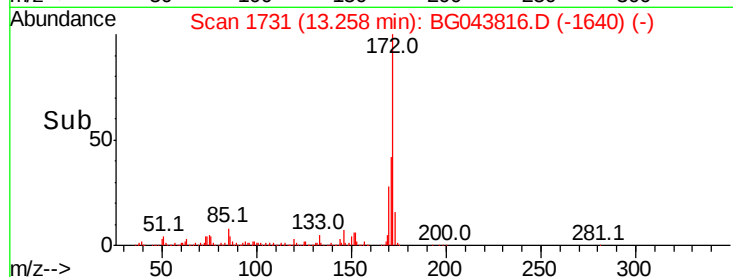
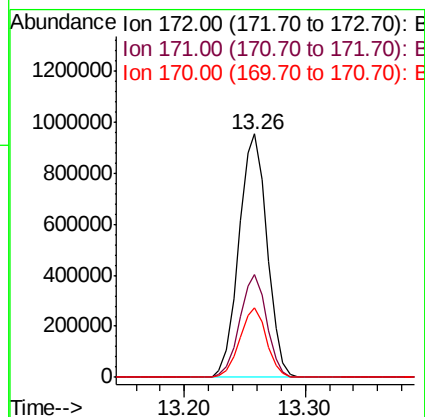
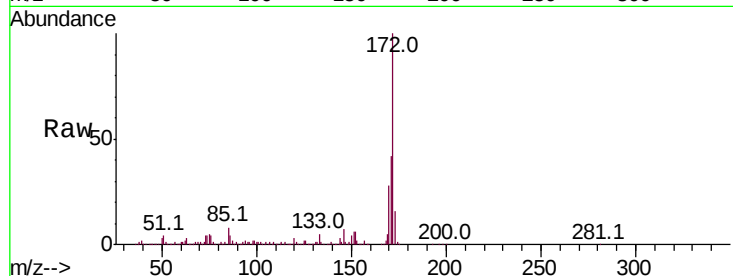
#45
2-Fluorobiphenyl
Concen: 74.415 ng
RT: 13.26 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.4	34.6	51.8
170	28.4	23.3	34.9

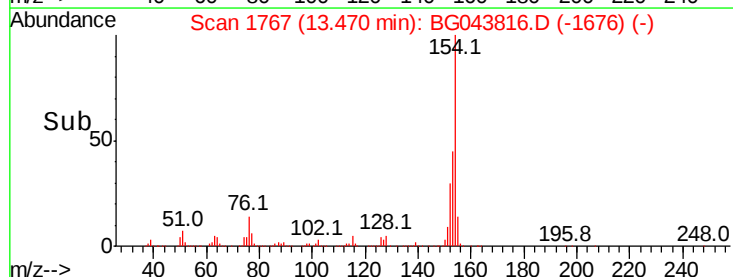
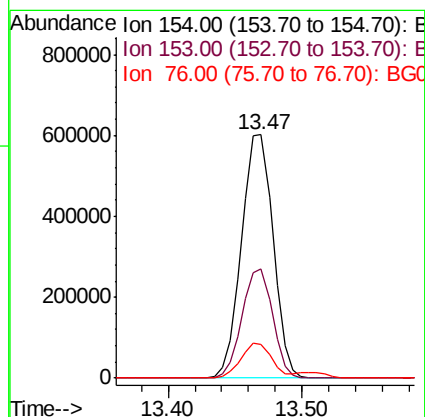
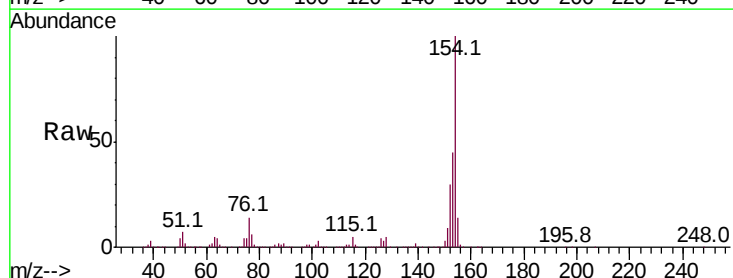
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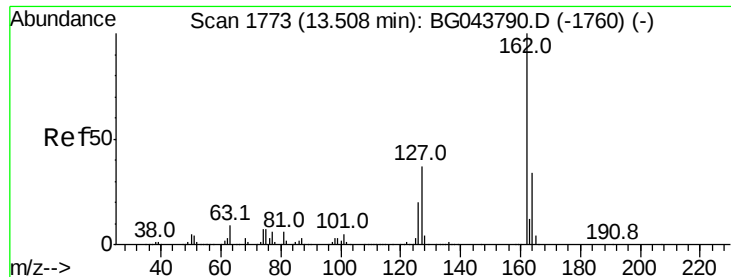
mohammad
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#46
1,1'-Biphenyl
Concen: 39.205 ng
RT: 13.47 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.7	24.5	64.5
76	13.7	0.0	33.9





#47

2-Chloronaphthalene

Concen: 38.377 ng

RT: 13.50 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

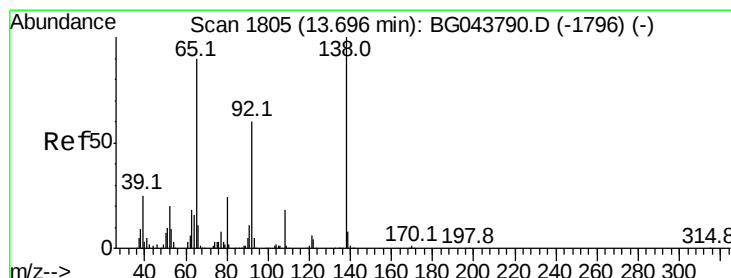
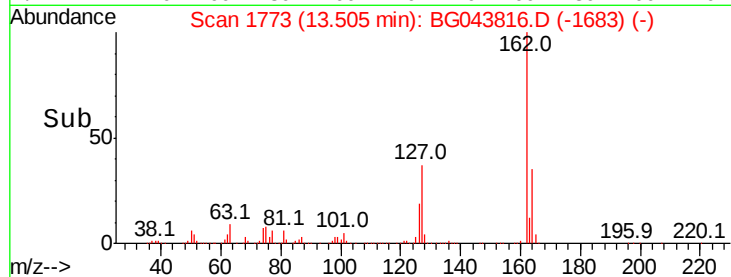
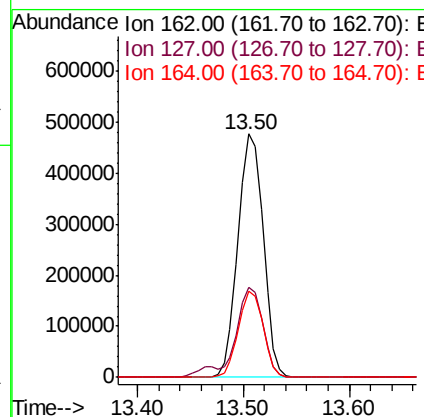
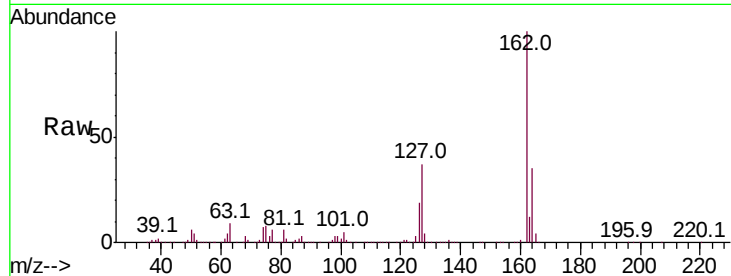
ClientSampleId :

PB125466BS

Tot Ion:	162	Resp:	789207
Ion Ratio	Lower	Upper	
162	100		
127	37.0	30.0	45.0
164	35.5	27.6	41.4

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#48

2-Nitroaniline

Concen: 45.425 ng

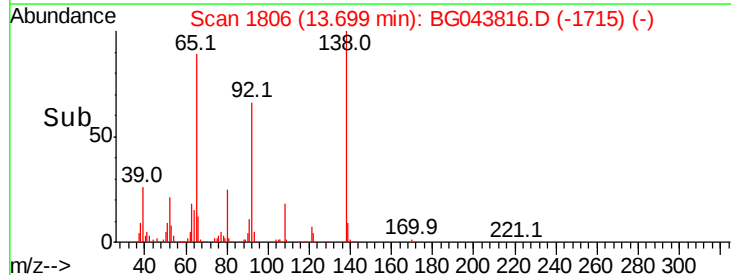
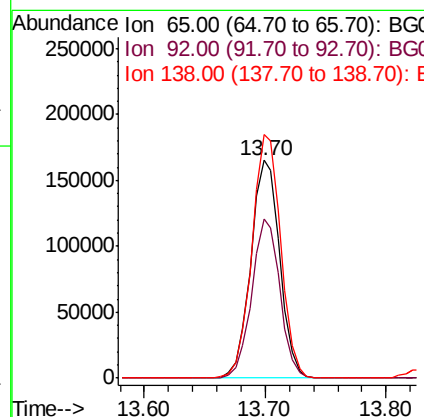
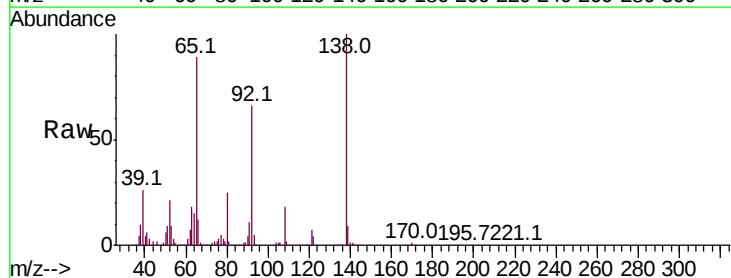
RT: 13.70 min Scan# 1806

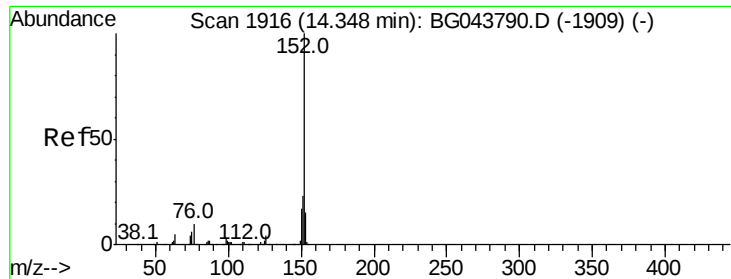
Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:	65	Resp:	275503
Ion Ratio	Lower	Upper	
65	100		
92	73.3	53.7	80.5
138	111.8	88.8	133.2





#49

Acenaphthylene

Concen: 42.597 ng

RT: 14.35 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion:152 Resp: 1304932

Ion Ratio Lower Upper

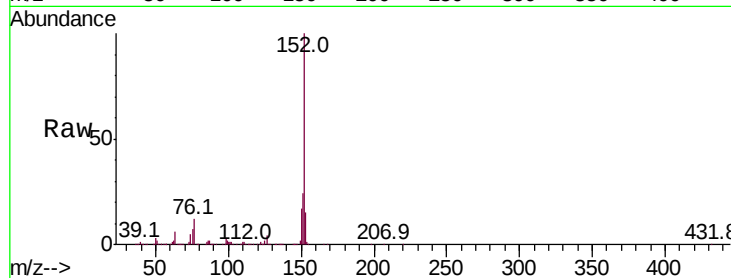
152 100

151 23.8 18.5 27.7

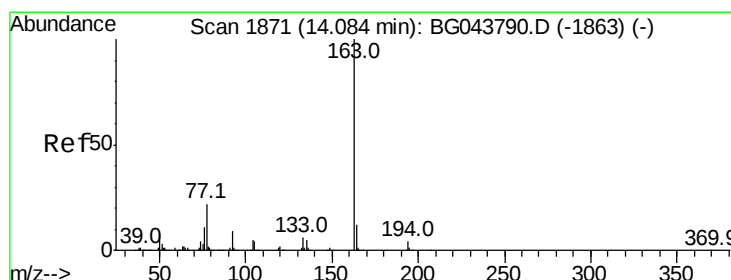
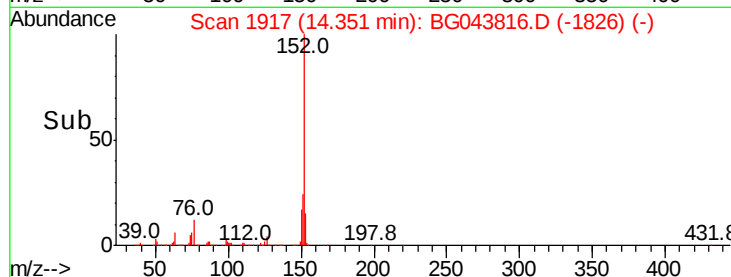
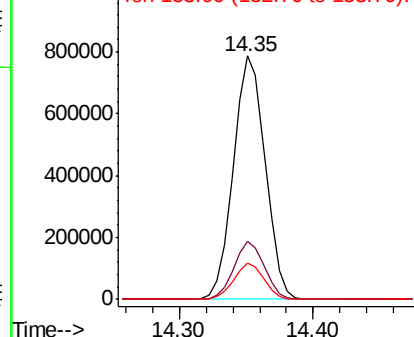
153 14.7 11.8 17.8

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



#50

Dimethylphthalate

Concen: 41.869 ng

RT: 14.09 min Scan# 1872

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

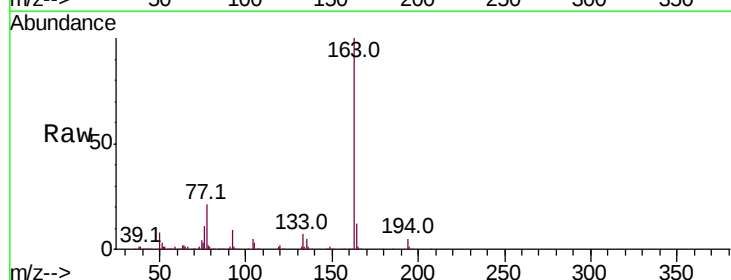
Tgt Ion:163 Resp: 1090412

Ion Ratio Lower Upper

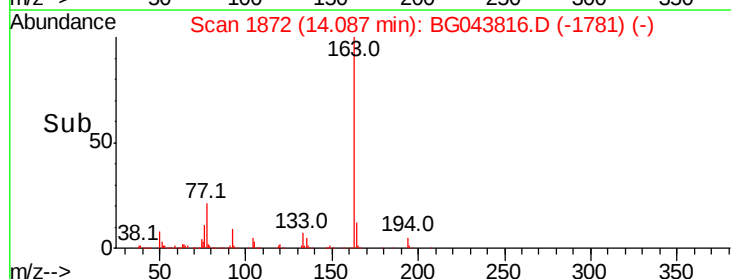
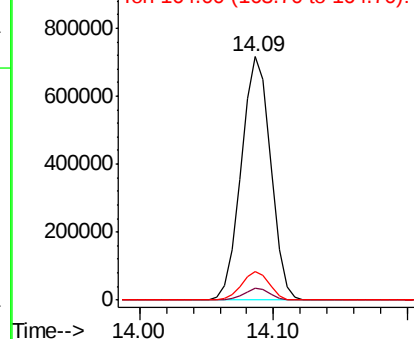
163 100

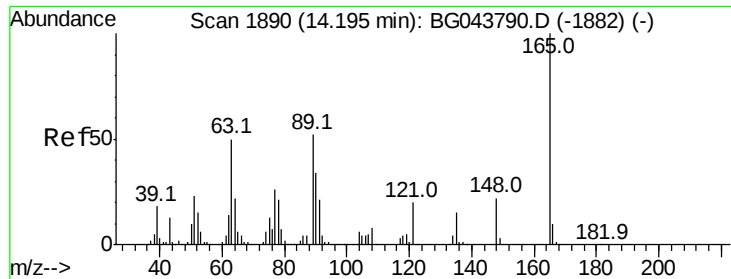
194 4.7 3.6 5.4

164 11.8 9.4 14.0



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





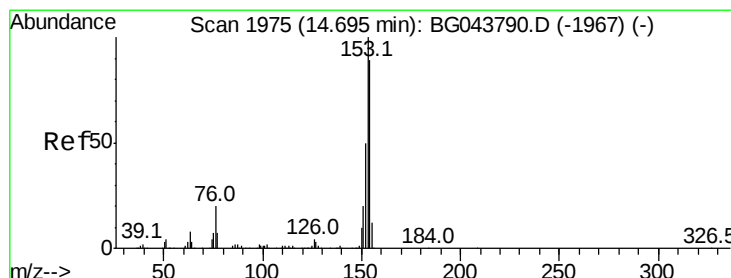
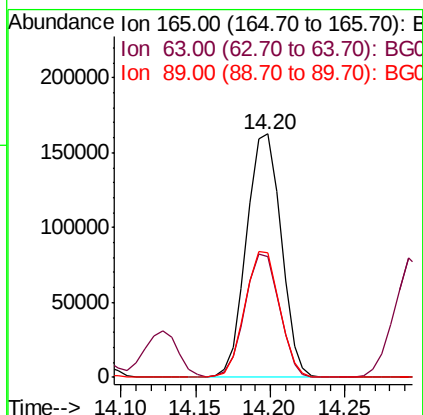
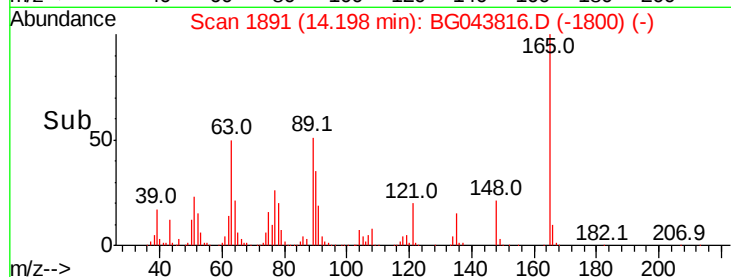
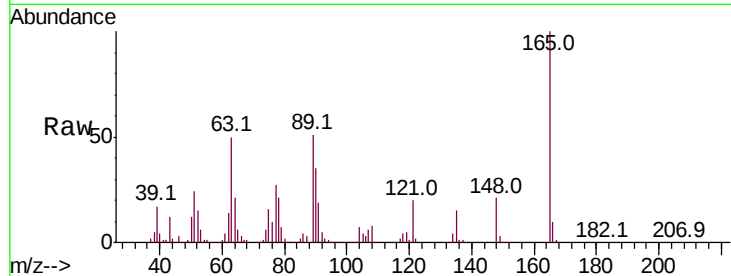
#51
2,6-Dinitrotoluene
Concen: 46.561 ng
RT: 14.20 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	261319		
63	49.8		40.3	60.5
89	51.2		41.8	62.8

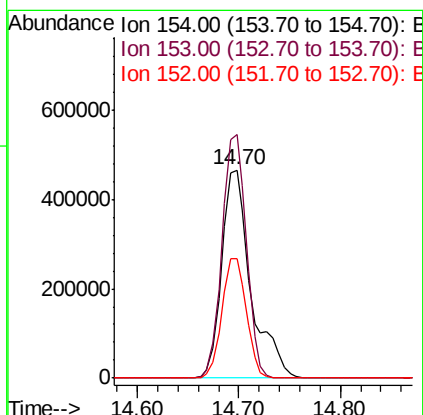
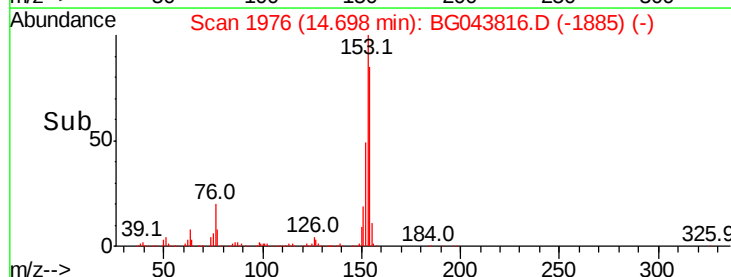
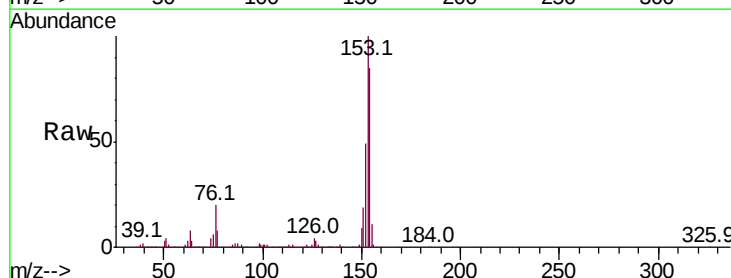
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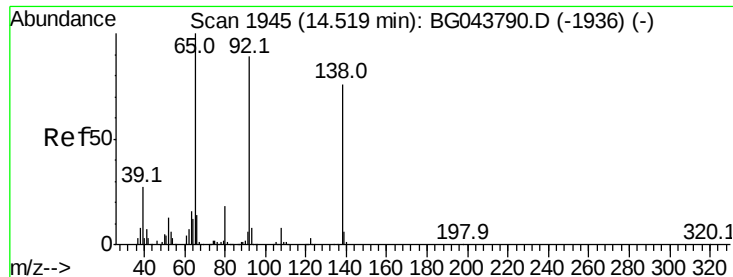
mohammad
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#52
Acenaphthene
Concen: 46.140 ng
RT: 14.70 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	929867		
153	117.2		89.5	134.3
152	57.6		45.0	67.4





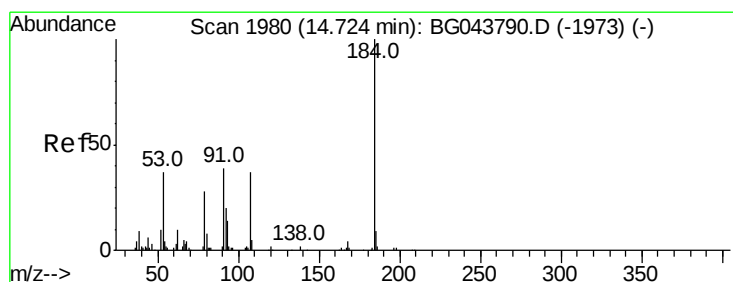
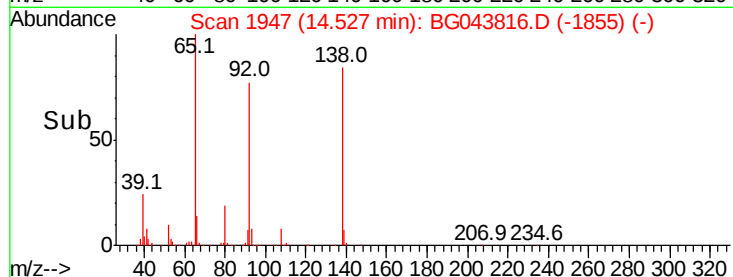
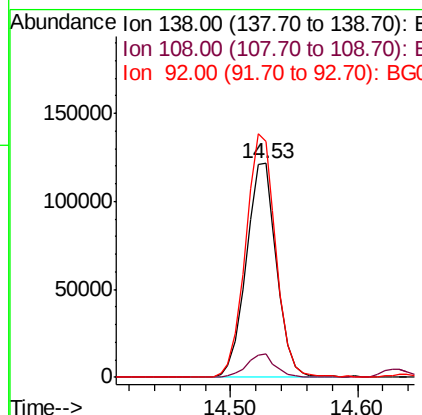
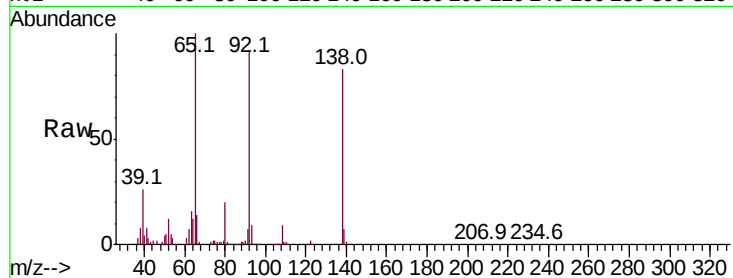
#53
3-Nitroaniline
Concen: 31.511 ng
RT: 14.53 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	11.2	8.1	12.1	
92	110.5	94.6	141.8	

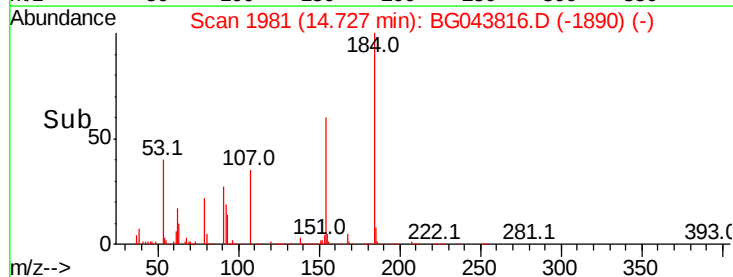
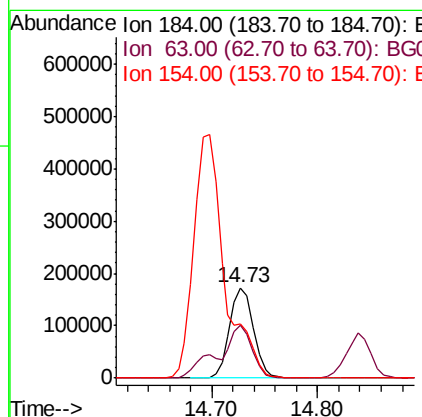
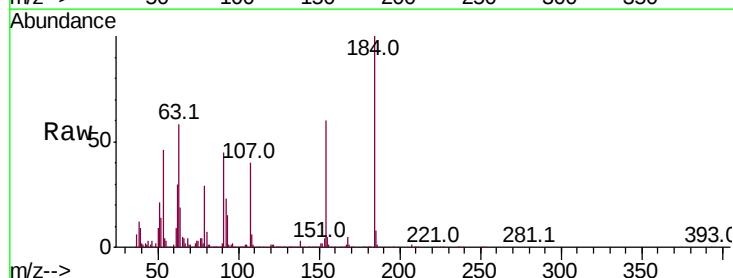
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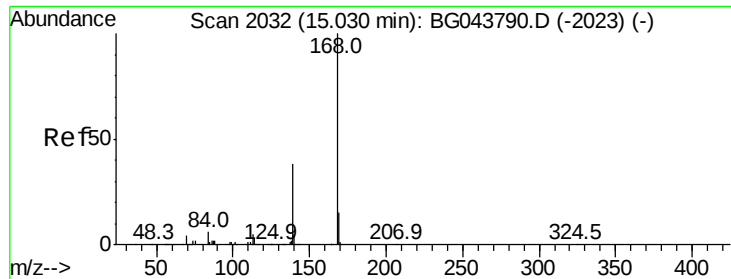
mohammad
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#54
2,4-Dinitrophenol
Concen: 104.851 ng
RT: 14.73 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	57.8	43.4	65.0	
154	59.6	54.8	82.2	





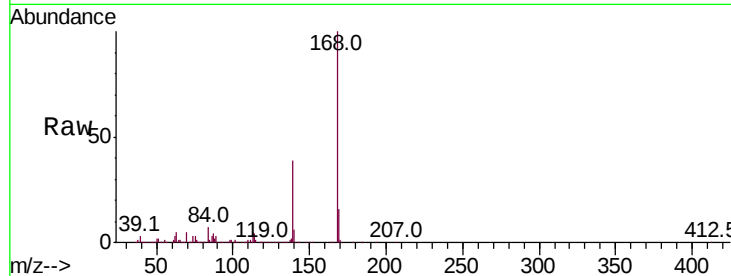
#55
Dibenzenofuran
Concen: 42.952 ng
RT: 15.03 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.4	45.6
169	15.6	12.0	18.0

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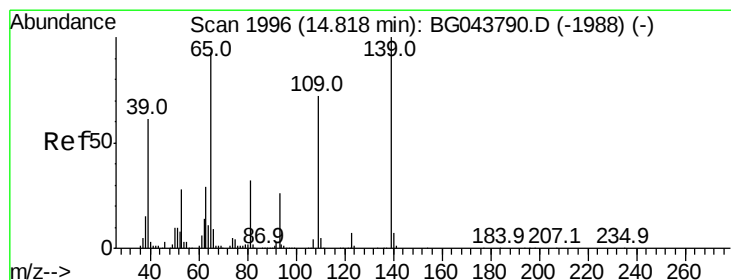
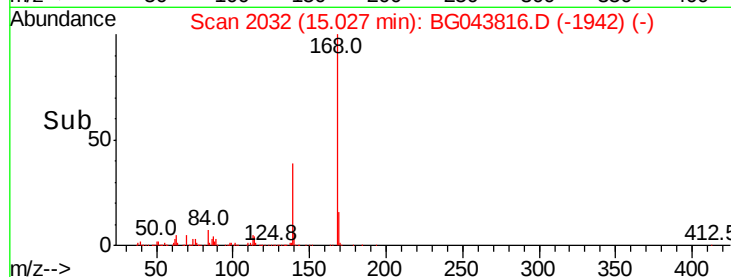
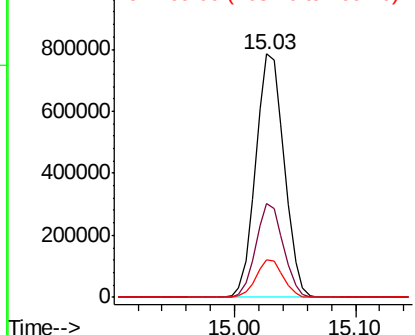


Abundance

Ion 168.00 (167.70 to 168.70): E

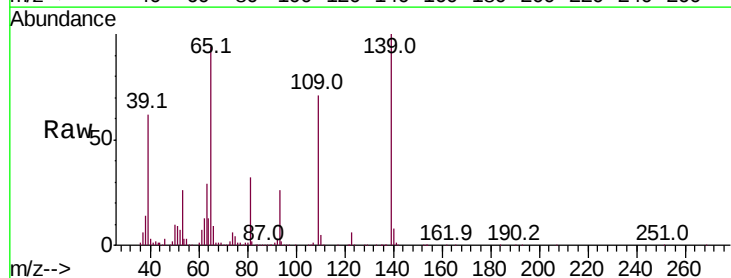
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 107.317 ng
RT: 14.84 min Scan# 2000
Delta R.T. 0.02 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
139	100		
109	70.5	51.5	91.5
65	94.4	73.7	113.7

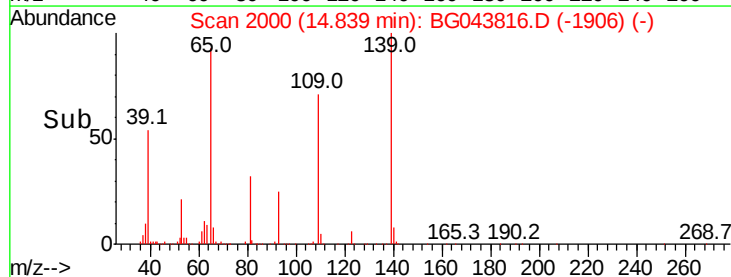
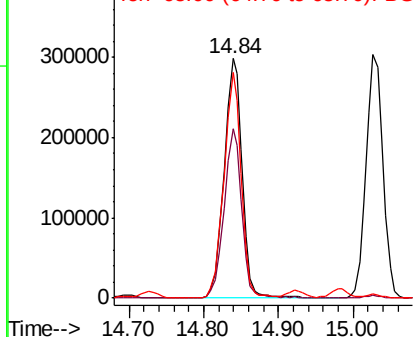


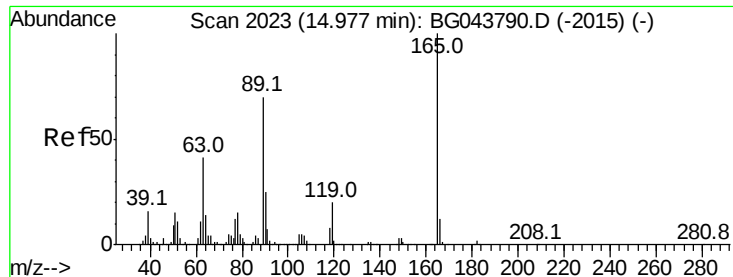
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG





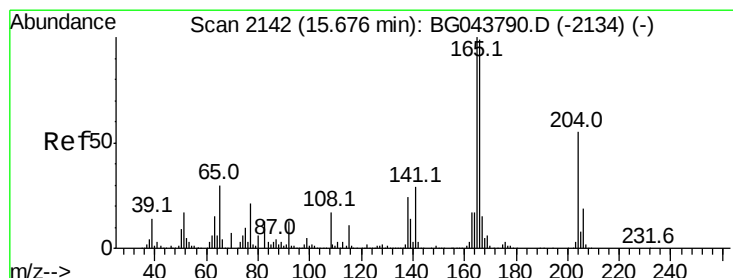
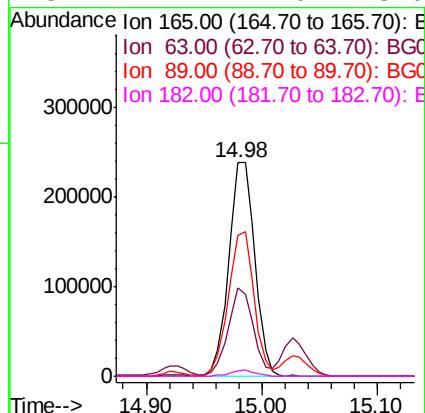
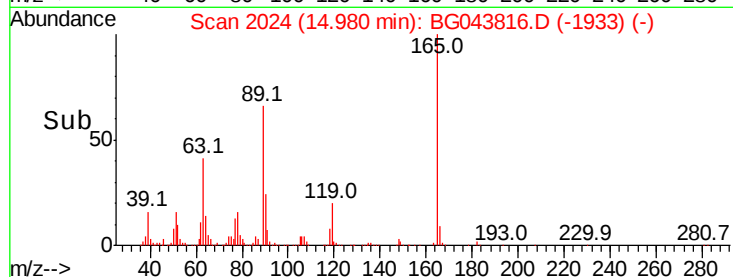
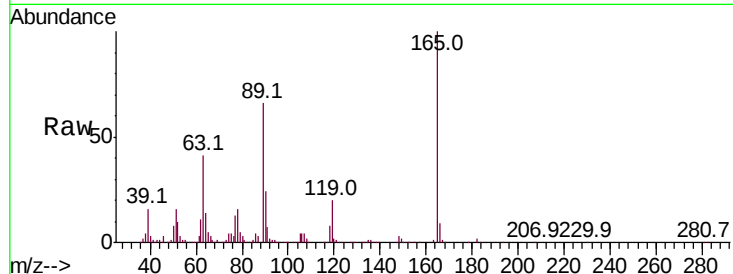
#57
2,4-Dinitrotoluene
Concen: 49.094 ng
RT: 14.98 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.3	32.7	49.1	
89	66.0	56.1	84.1	
182	2.4	2.0	3.0	

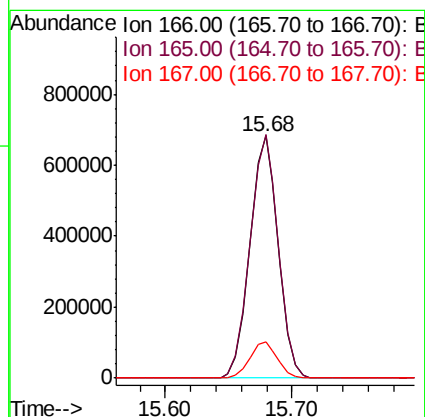
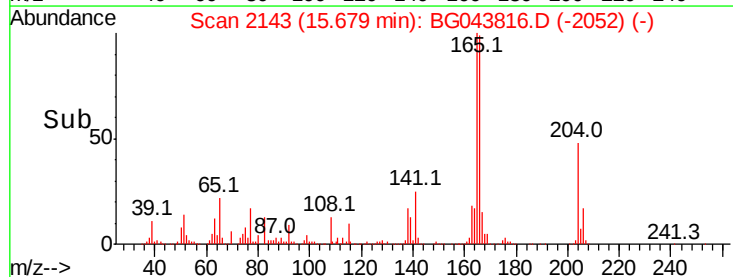
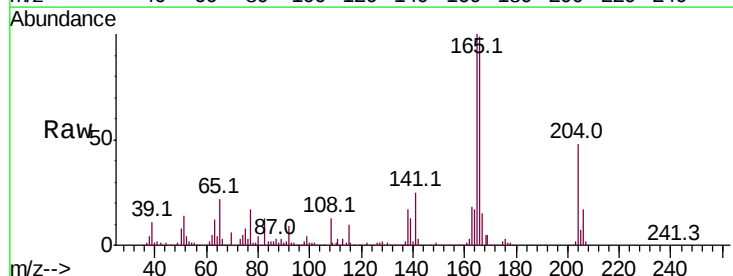
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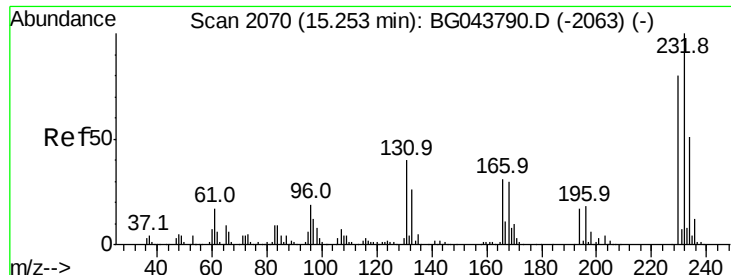
mohammad
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#58
Fluorene
Concen: 43.829 ng
RT: 15.68 min Scan# 2143
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.6	80.5	120.7	
167	15.1	12.1	18.1	





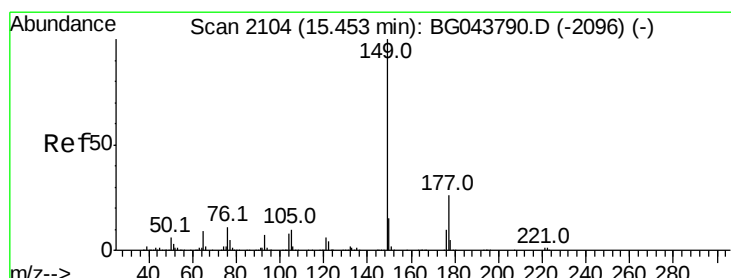
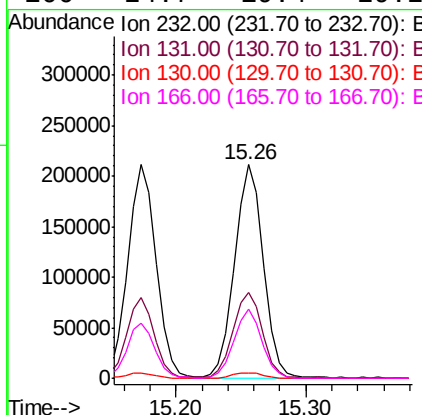
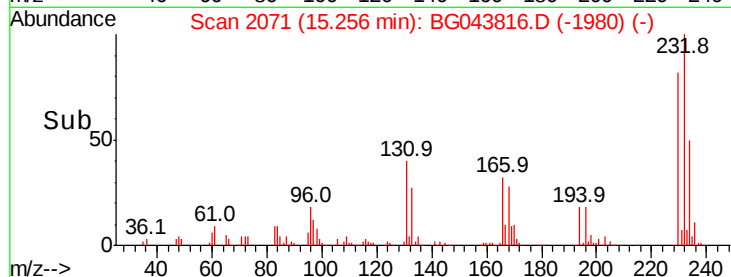
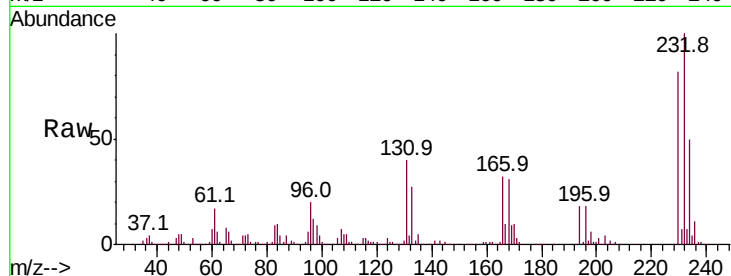
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.558 ng/ml
 RT: 15.26 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Instrument :
 BNA_G
 ClientSampleId :
 PB125466BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	36.0	27.9	41.9
130	2.4	1.8	2.8
166	24.7	19.4	29.2

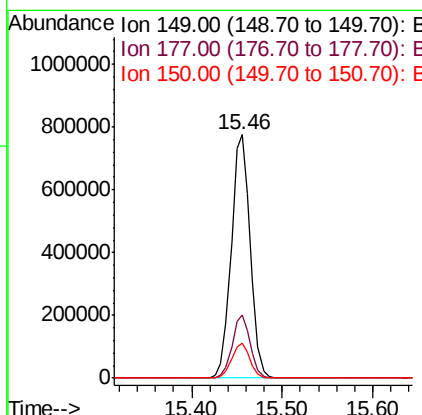
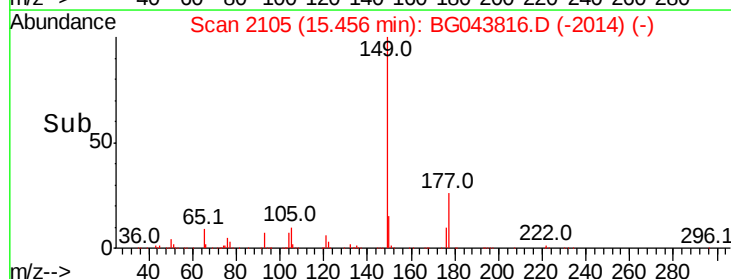
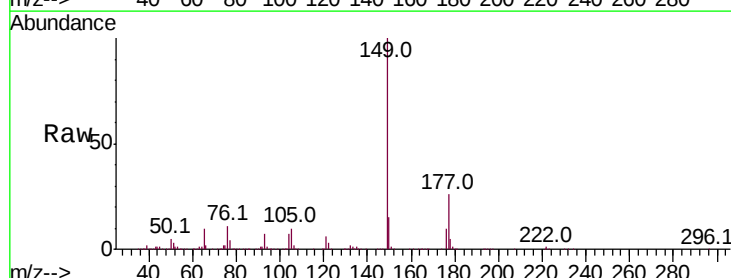
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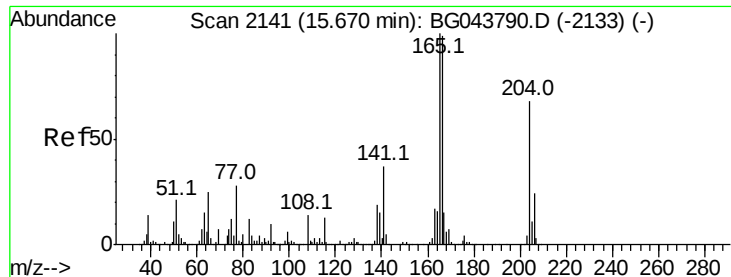
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#60
 Diethylphthalate
 Concen: 43.270 ng/ml
 RT: 15.46 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.8	20.4	30.6
150	14.6	11.6	17.4





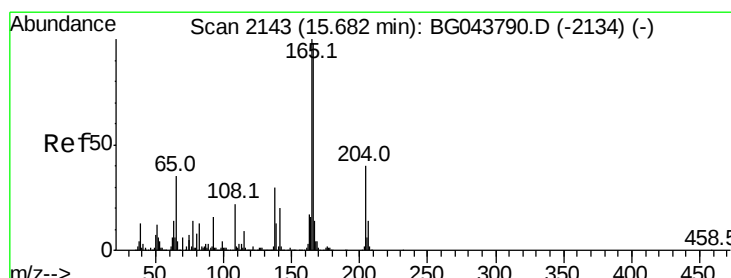
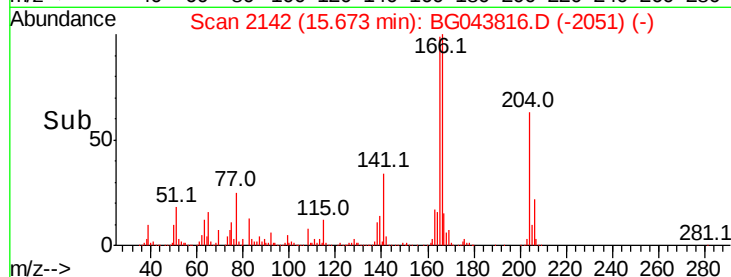
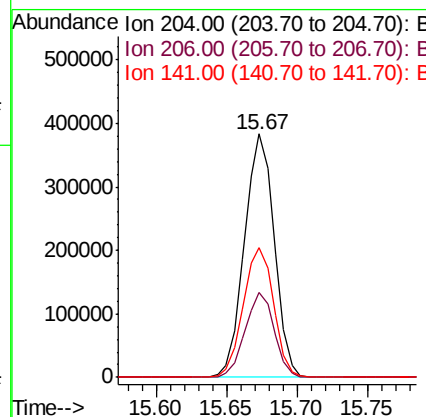
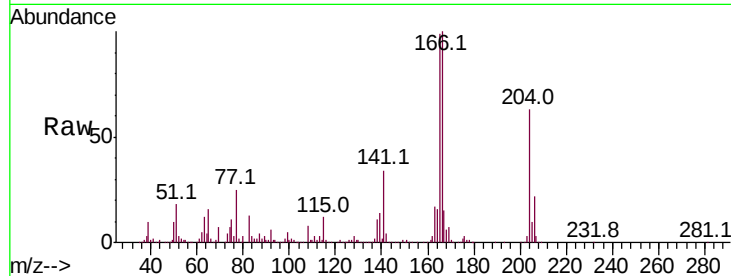
#61
4-Chlorophenyl-phenylether
Concen: 42.048 ng
RT: 15.67 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleID :
PB125466BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.1	28.1	42.1
141	53.3	44.1	66.1

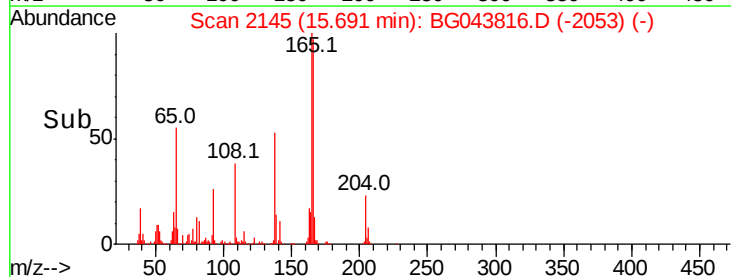
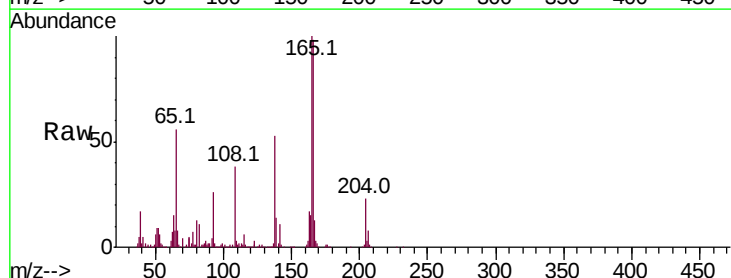
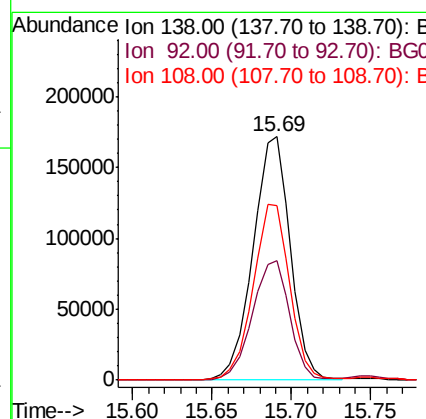
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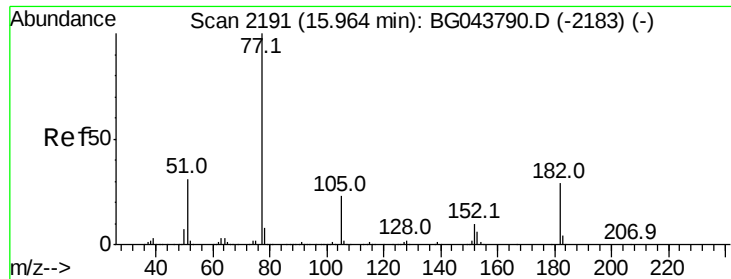
mohammad
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#62
4-Nitroaniline
Concen: 42.117 ng
RT: 15.69 min Scan# 2145
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.8	31.5	71.5
108	71.8	53.1	93.1





#63

Azobenzene

Concen: 43.656 ng

RT: 15.97 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion: 77 Resp: 1043300

Ion Ratio Lower Upper

77 100

182 30.0 9.0 49.0

105 23.0 2.9 42.9

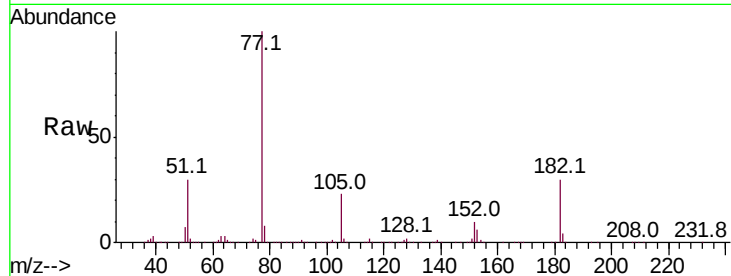
51 30.2 10.6 50.6

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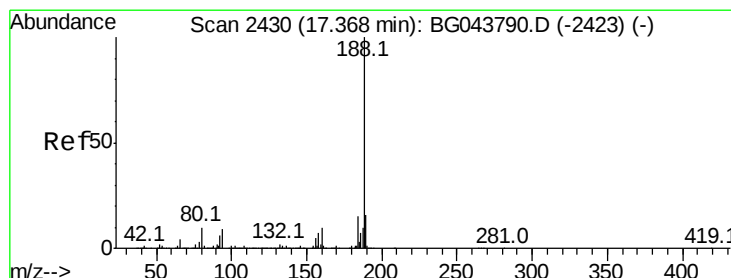
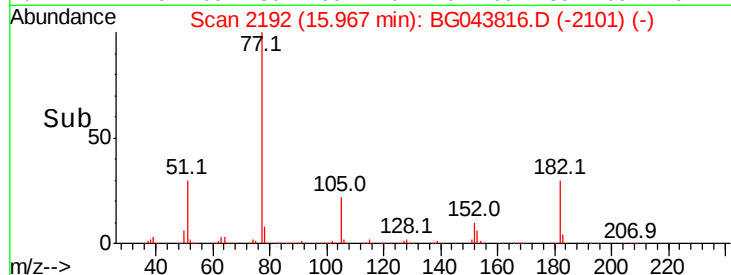
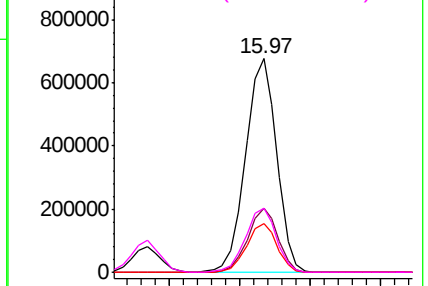


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

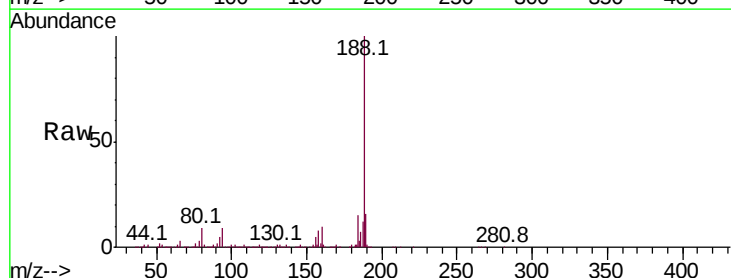
Tgt Ion: 188 Resp: 886421

Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

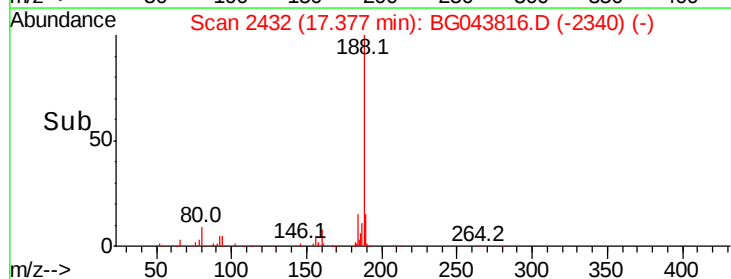
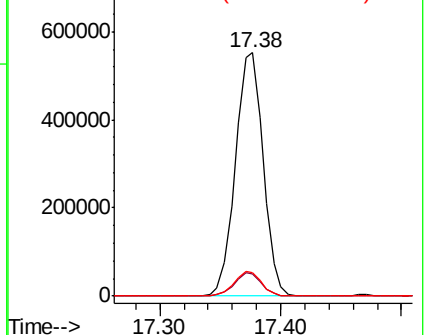
80 9.5 7.8 11.8

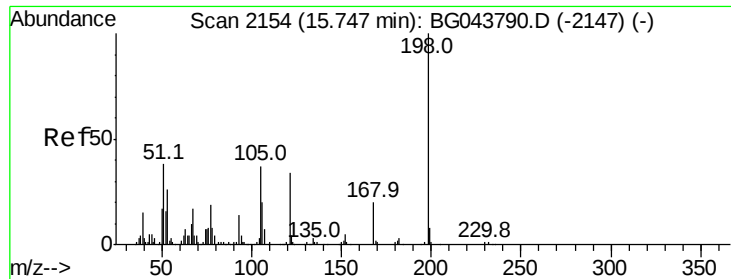


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#65

4,6-Dinitro-2-methylphenol

Concen: 54.615 ng

RT: 15.75 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion:198 Resp: 192360

Ion Ratio Lower Upper

198 100

51 39.5 18.9 58.9

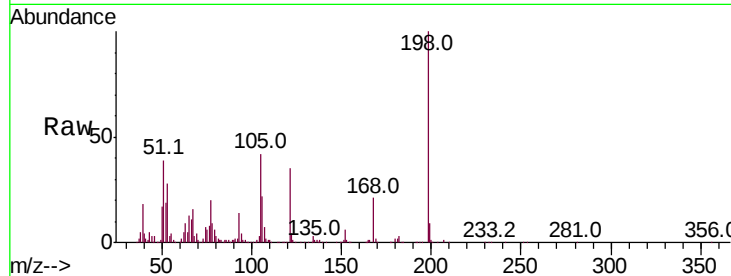
105 42.0 18.1 58.1

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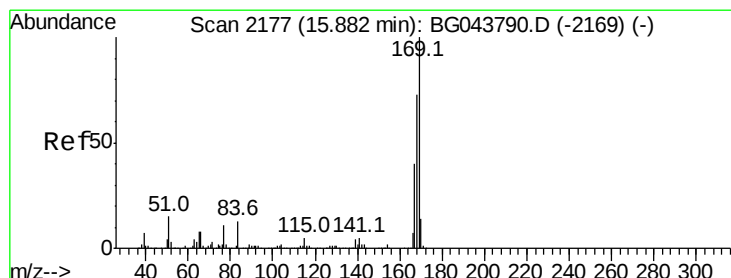
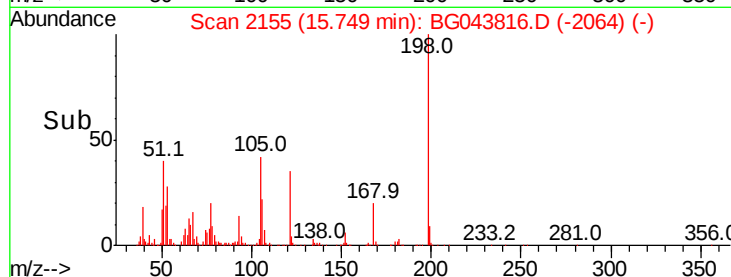
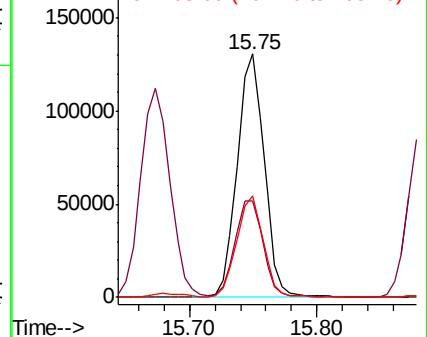
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.032 ng

RT: 15.88 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

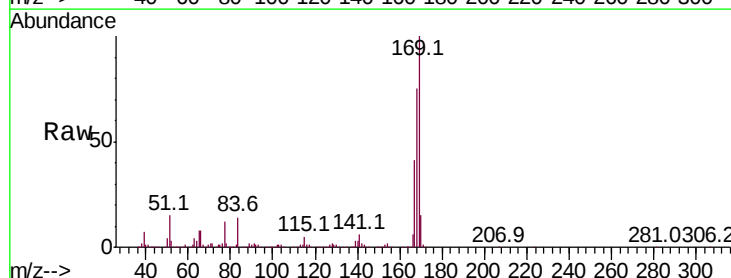
Tgt Ion:169 Resp: 1010899

Ion Ratio Lower Upper

169 100

168 74.6 58.5 87.7

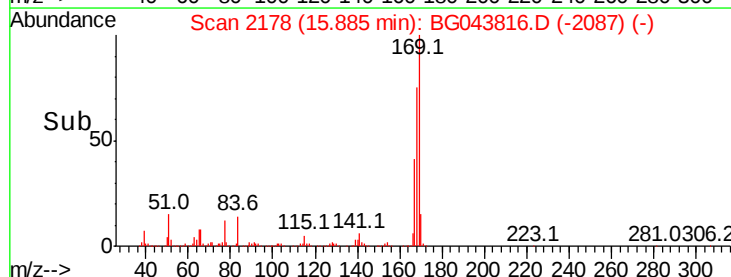
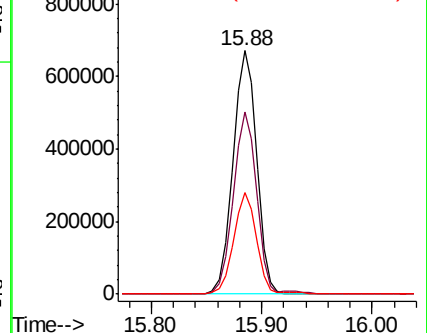
167 41.5 32.1 48.1

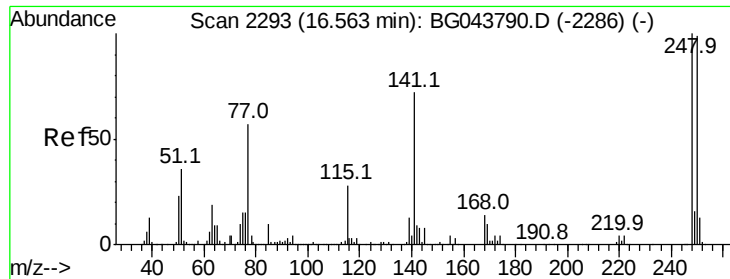


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





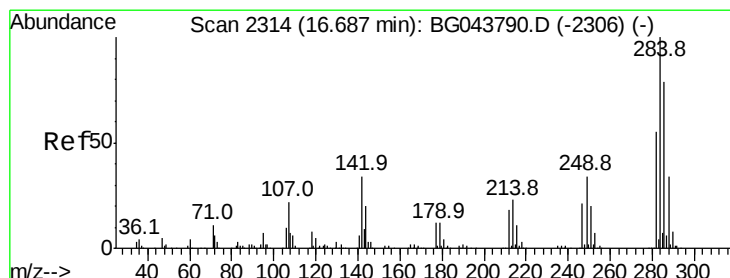
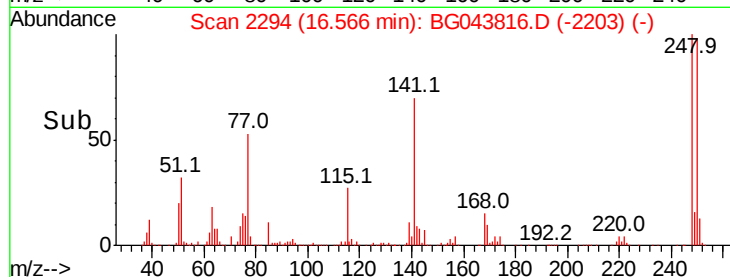
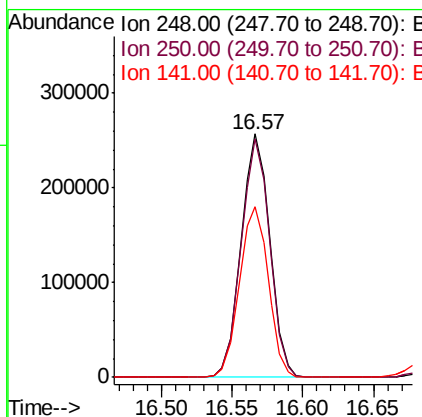
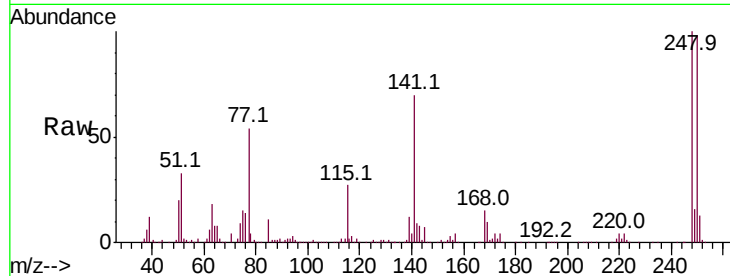
#67
4-Bromophenyl-phenylether
Concen: 38.545 ng
RT: 16.57 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.1	79.0	118.6
141	70.0	57.8	86.6

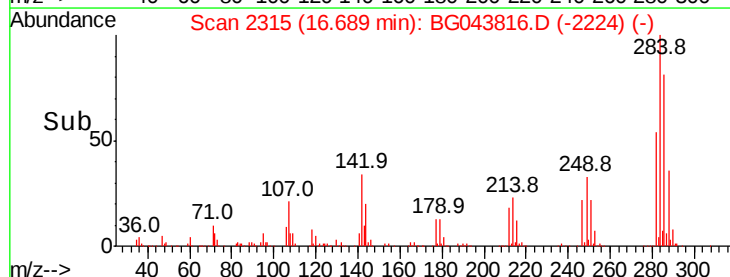
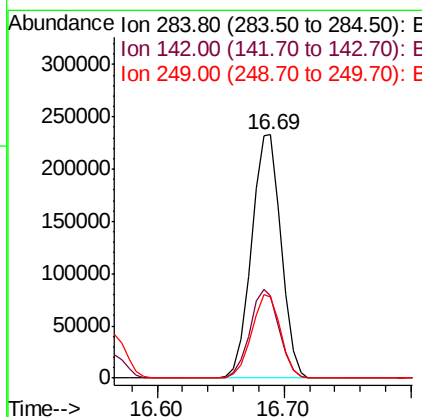
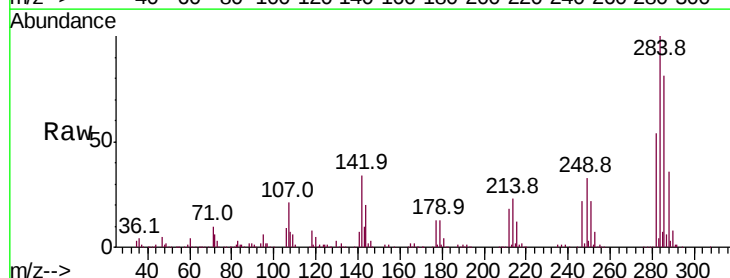
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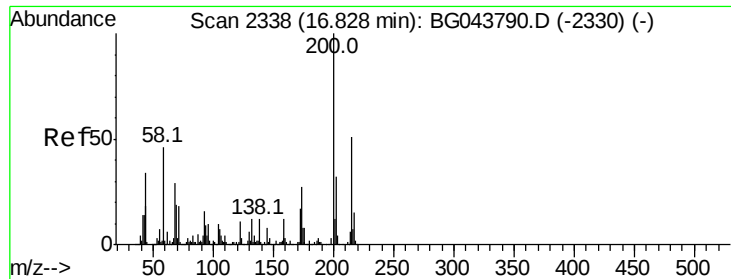
mohammad
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#68
Hexachlorobenzene
Concen: 37.524 ng
RT: 16.69 min Scan# 2315
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.7	27.0	40.6
249	33.3	27.2	40.8





#69

Atrazine

Concen: 51.532 ng

RT: 16.84 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

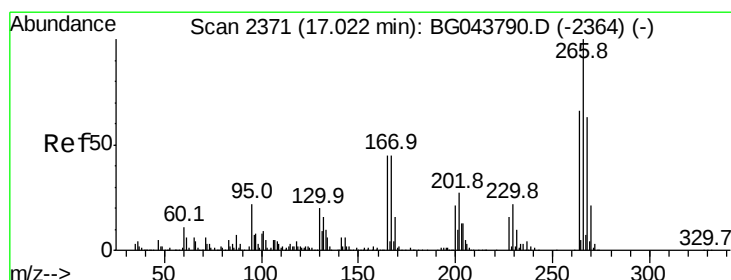
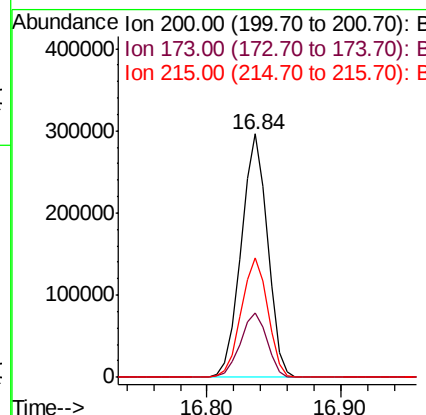
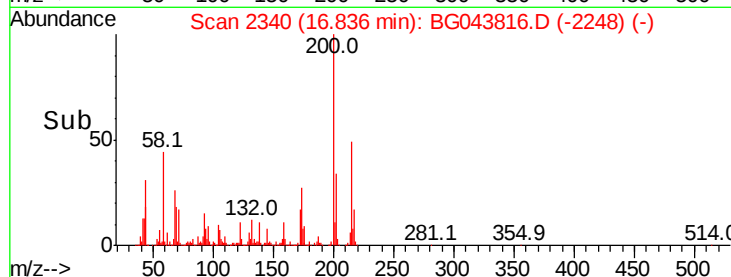
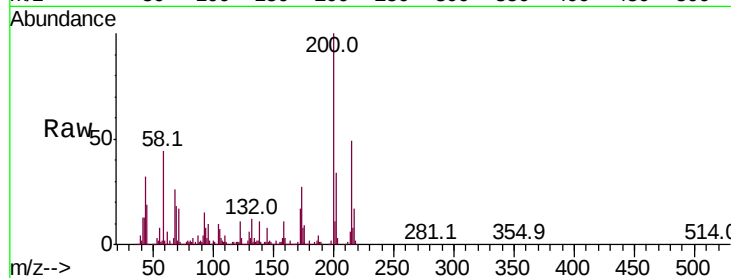
ClientSampleId :

PB125466BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.4	47.4
215	49.2	30.5	70.5

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#70

Pentachlorophenol

Concen: 88.800 ng

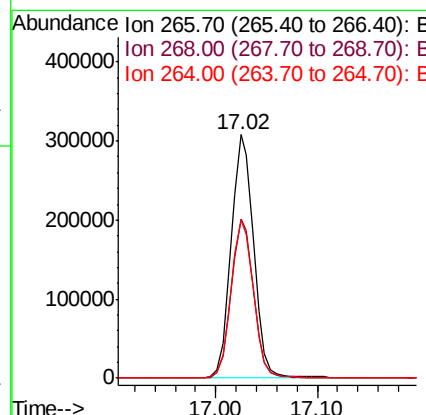
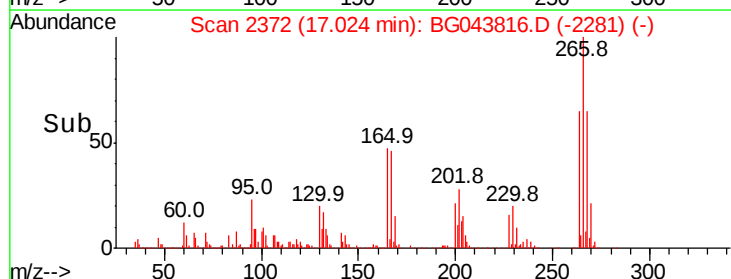
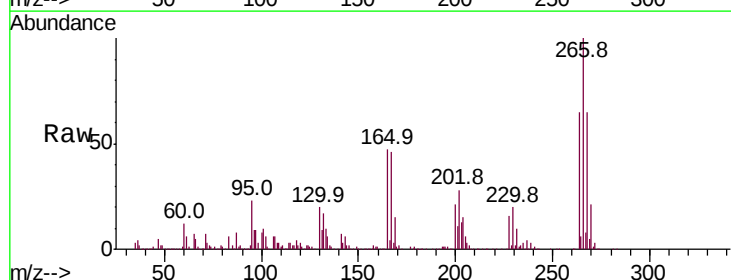
RT: 17.02 min Scan# 2372

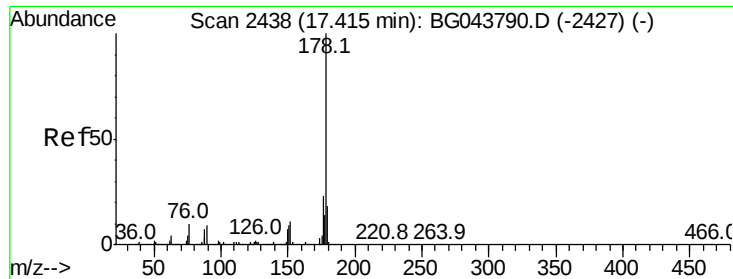
Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.4	50.8	76.2
264	64.7	53.0	79.4





#71

Phenanthrene

Concen: 40.766 ng

RT: 17.42 min Scan# 2439

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion:178 Resp: 1710698

Ion Ratio Lower Upper

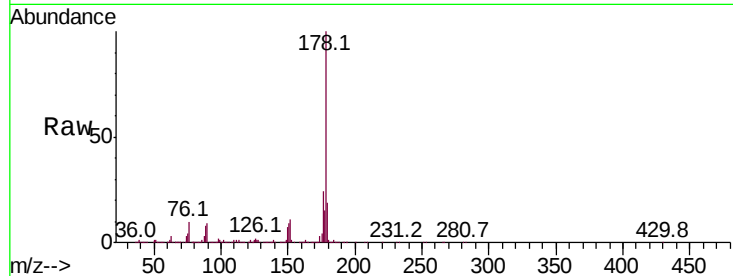
178 100

176 23.6 18.6 27.8

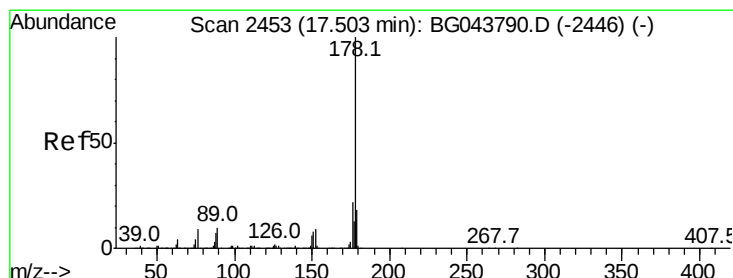
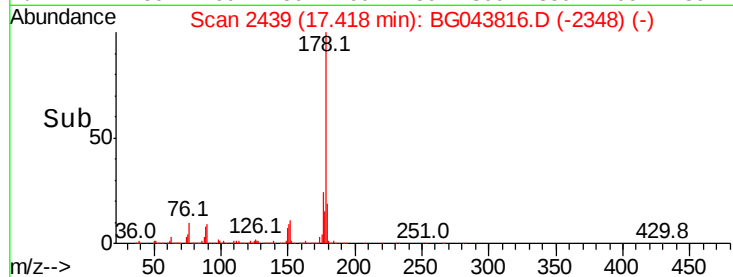
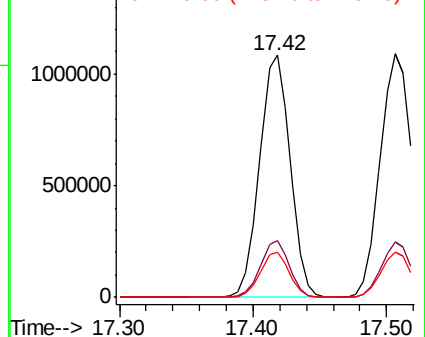
179 18.7 14.7 22.1

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Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.578 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:178 Resp: 1768653

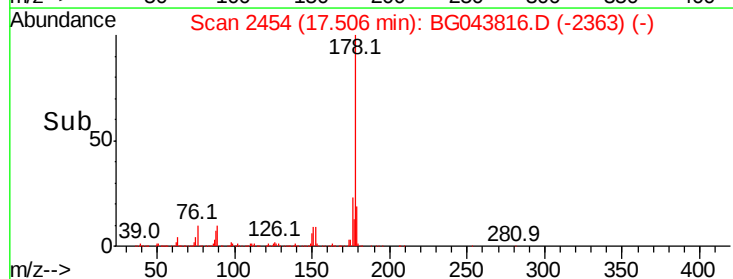
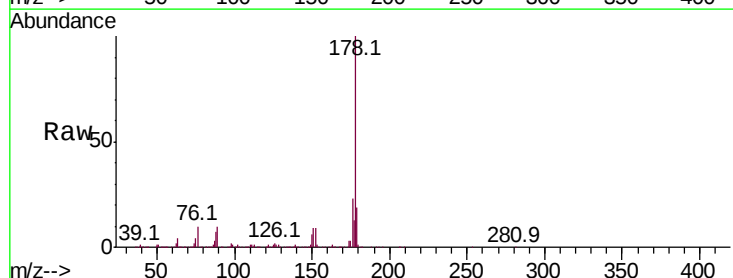
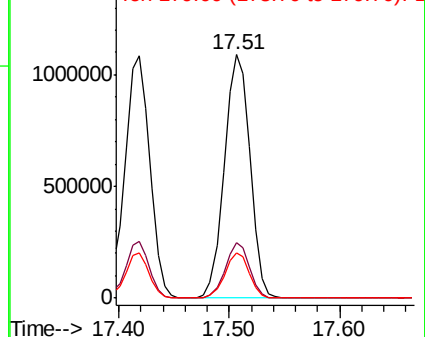
Ion Ratio Lower Upper

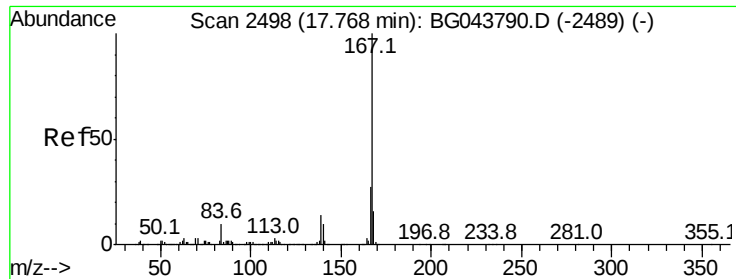
178 100

176 22.9 17.7 26.5

179 18.5 14.5 21.7

Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 41.575 ng

RT: 17.77 min Scan# 2499

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion:167 Resp: 1614358

Ion Ratio Lower Upper

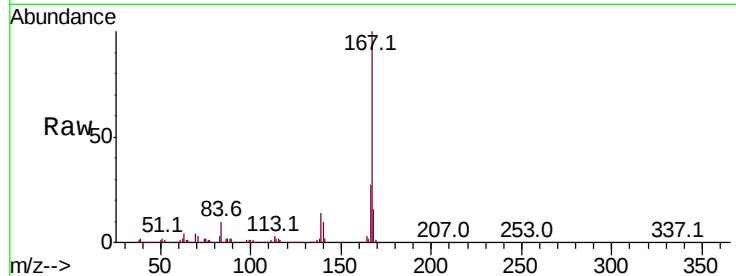
167 100

166 26.9 21.4 32.2

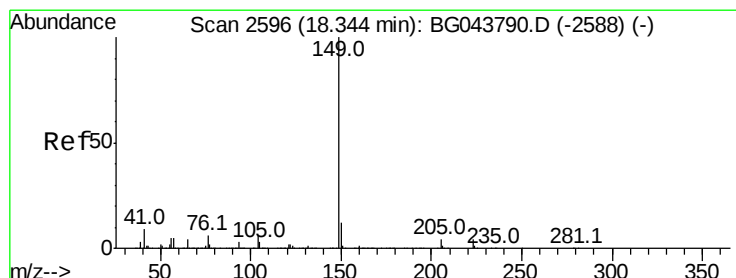
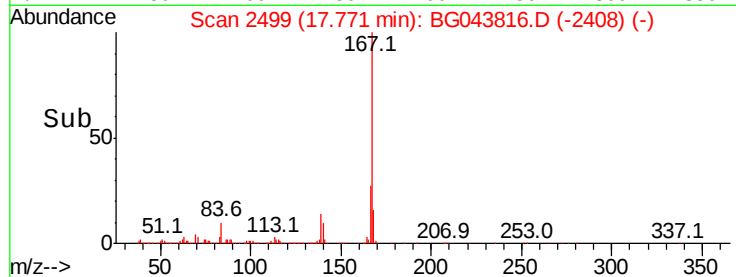
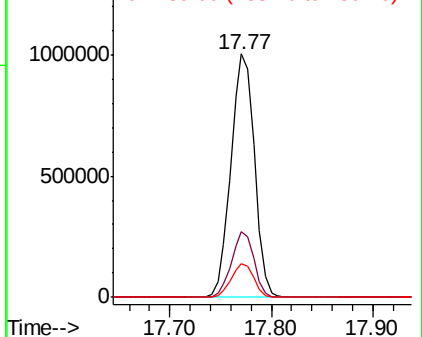
139 13.9 11.0 16.4

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



#74

Di-n-butylphthalate

Concen: 41.754 ng

RT: 18.35 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

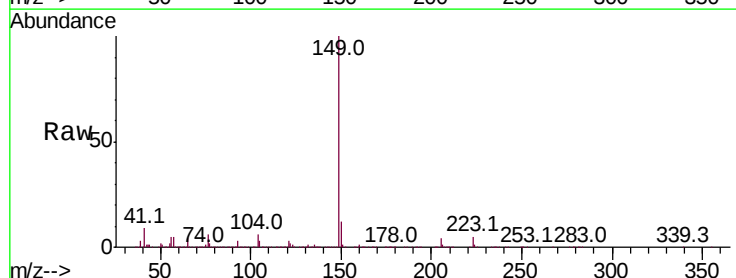
Tgt Ion:149 Resp: 1858623

Ion Ratio Lower Upper

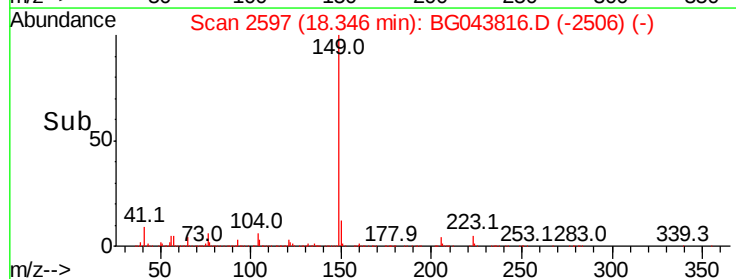
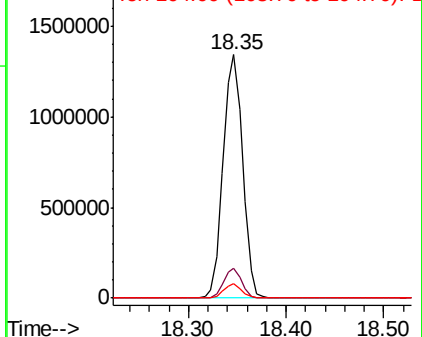
149 100

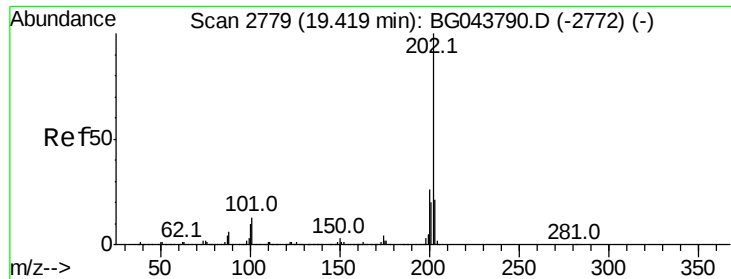
150 12.3 9.4 14.0

104 6.0 4.8 7.2



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





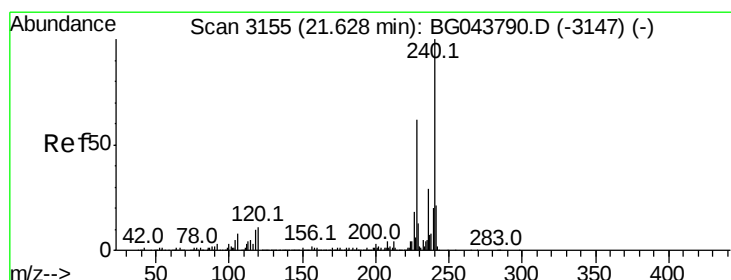
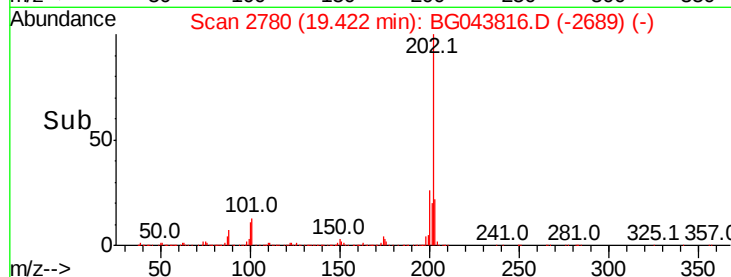
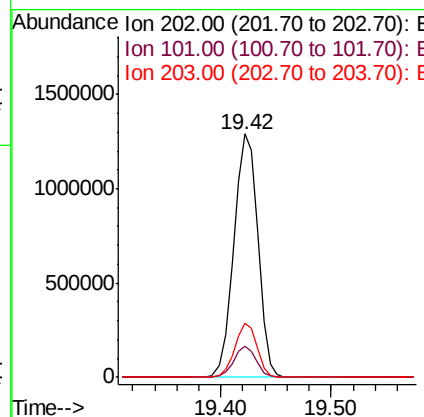
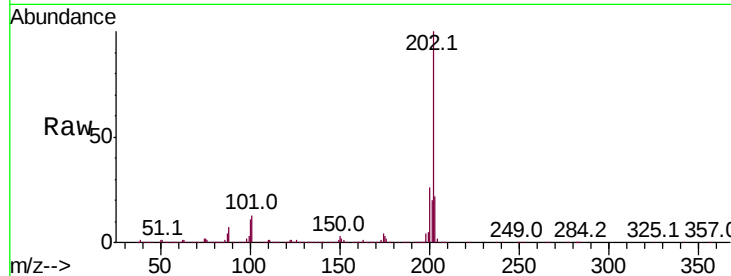
#75
Fluoranthene
Concen: 41.003 ng
RT: 19.42 min Scan# 2780
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.7
203	22.1	1.0	41.0

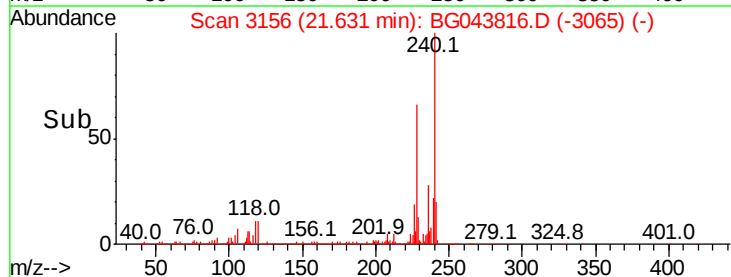
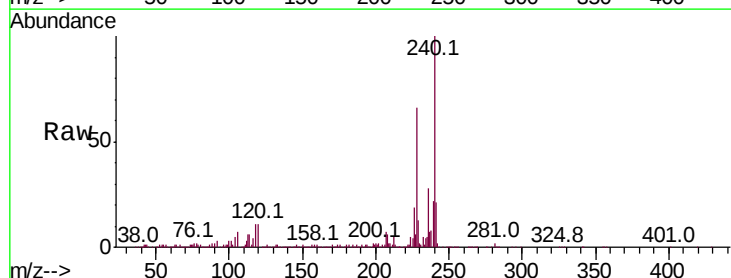
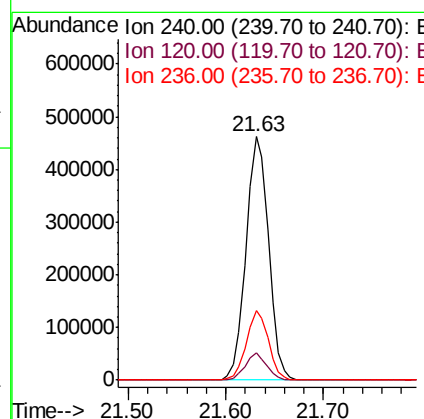
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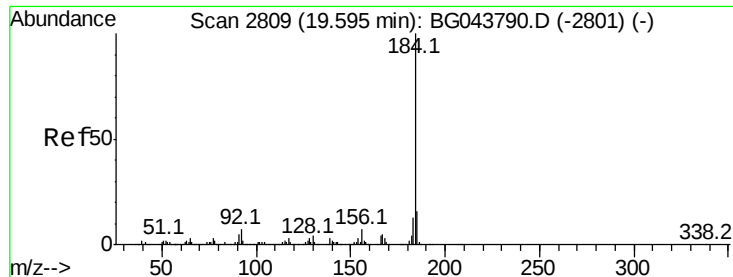
mohammad
12/18/2019 2:40:35 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	12.8
236	28.5	23.1	34.7





#77

Benzidine

Concen: 52.108 ng

RT: 19.60 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

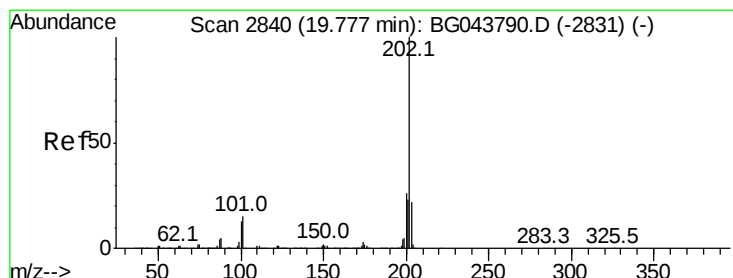
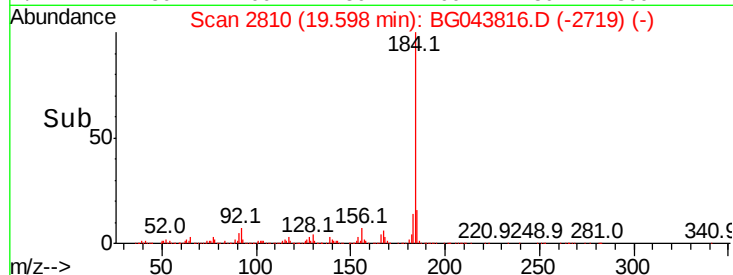
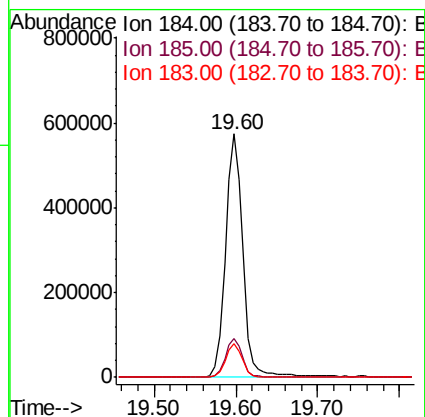
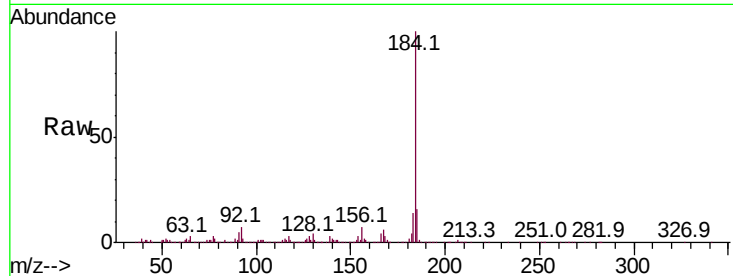
ClientSampleId :

PB125466BS

Tot Ion:	184	Resp:	846806
Ion Ratio	Lower	Upper	
184	100		
185	15.7	12.9	19.3
183	14.1	10.3	15.5

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#78

Pyrene

Concen: 40.566 ng

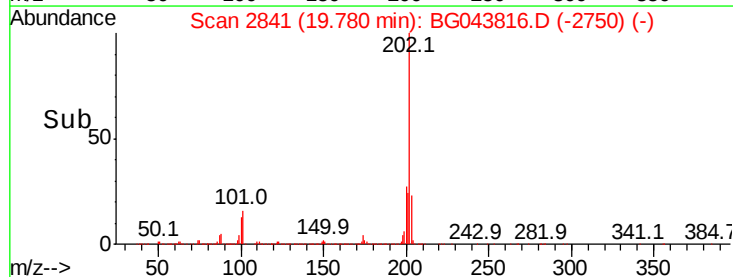
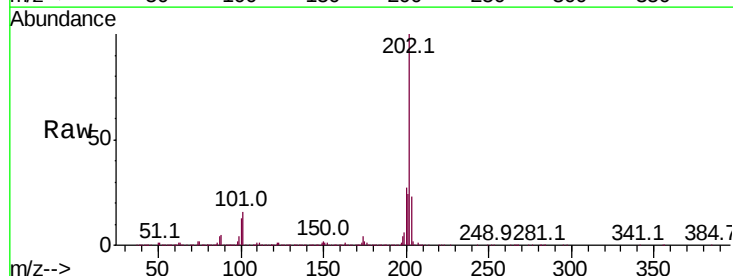
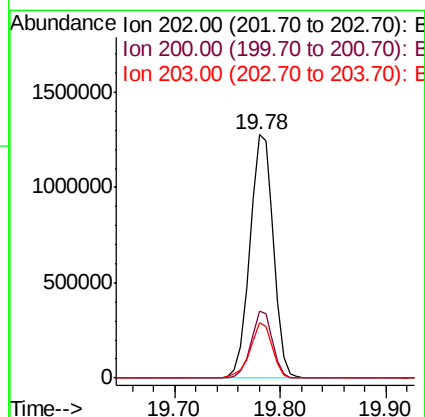
RT: 19.78 min Scan# 2841

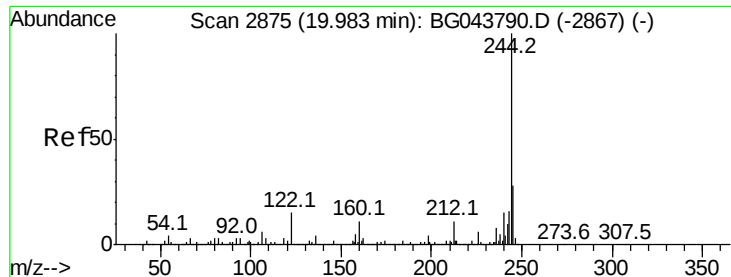
Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:	202	Resp:	1974782
Ion Ratio	Lower	Upper	
202	100		
200	27.5	20.8	31.2
203	22.7	17.7	26.5





#79

Terphenyl-d14

Concen: 78.640 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

ClientSampleId :

PB125466BS

Tot Ion:244 Resp: 2434938

Ion Ratio Lower Upper

244 100

212 11.5 9.1 13.7

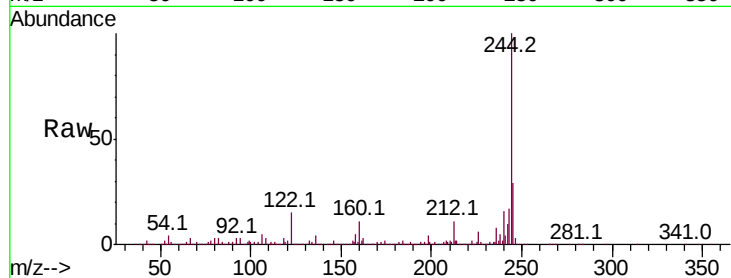
122 14.6 11.6 17.4

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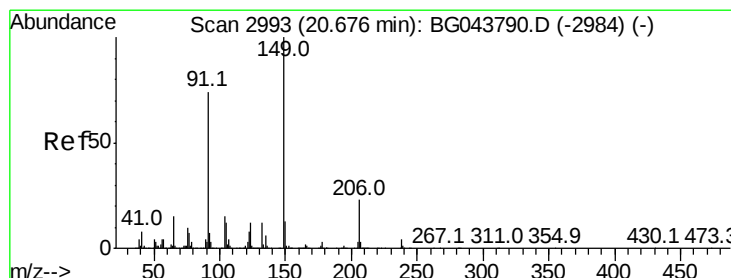
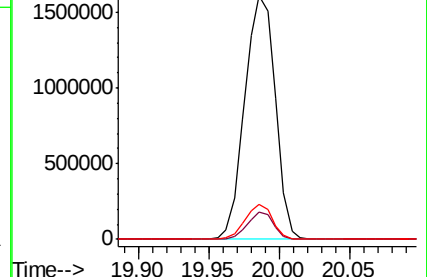
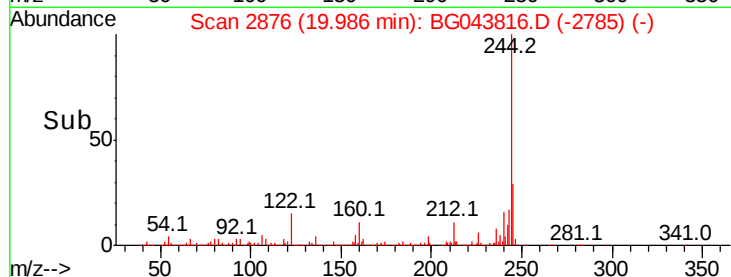
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 43.401 ng

RT: 20.68 min Scan# 2994

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

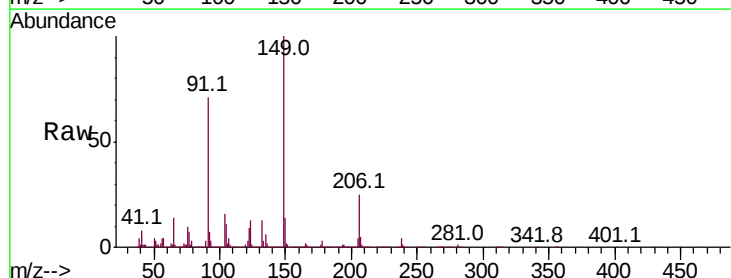
Tgt Ion:149 Resp: 879937

Ion Ratio Lower Upper

149 100

91 71.3 59.0 88.4

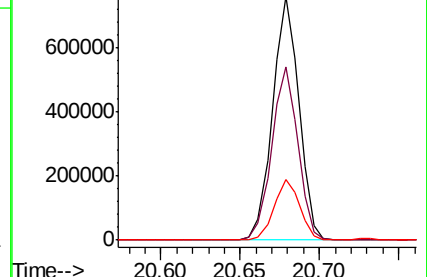
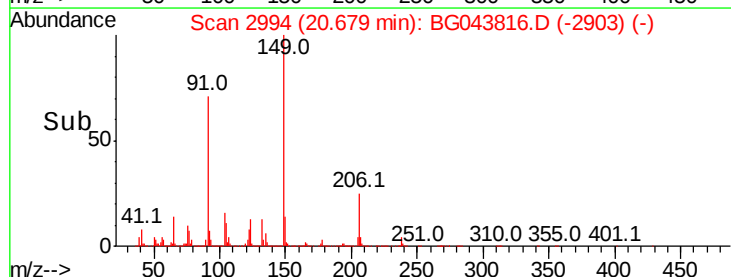
206 25.0 18.6 28.0

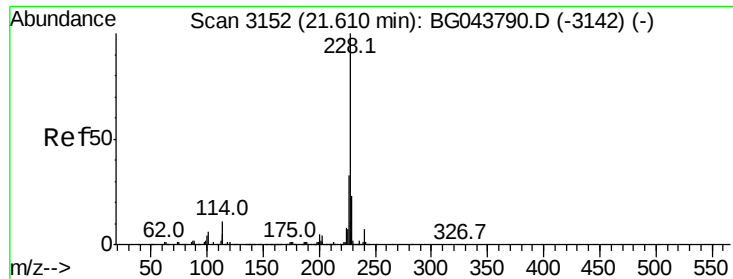


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 40.734 ng

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

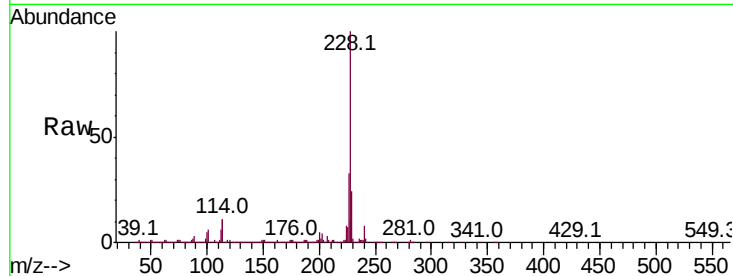
ClientSampled :

PB125466BS

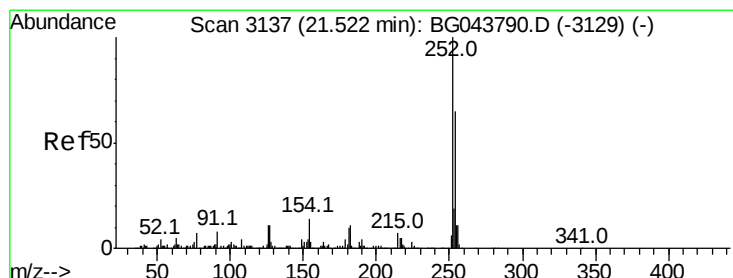
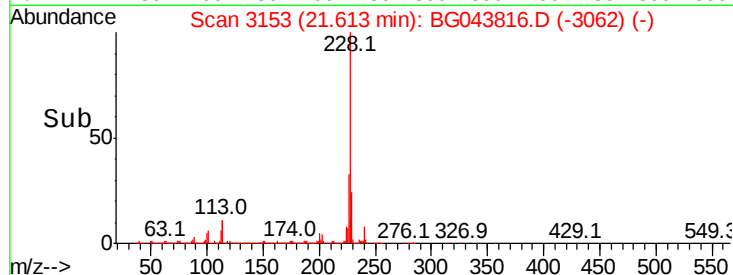
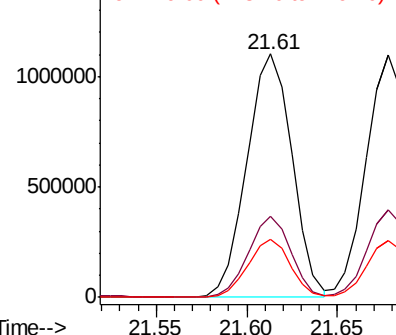
Tot Ion:	228	Resp:	1915084
Ion	Ratio	Lower	Upper
228	100		
226	33.2	26.1	39.1
229	23.6	18.6	27.8

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Abundance Ion 228.00 (227.70 to 228.70): E
1500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.371 ng

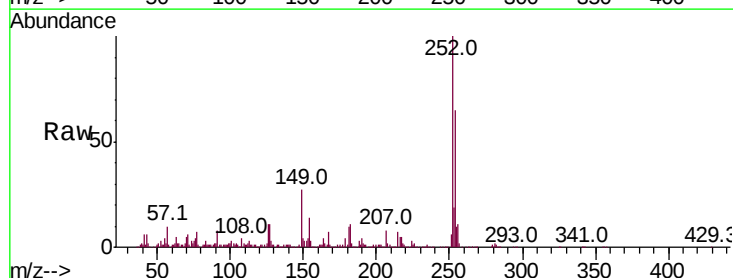
RT: 21.52 min Scan# 3138

Delta R.T. 0.00 min

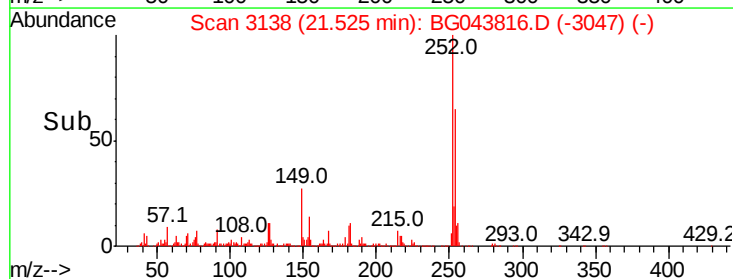
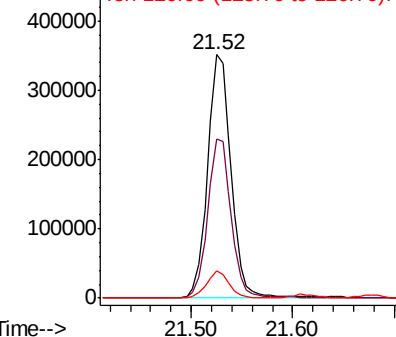
Lab File: BG043816.D

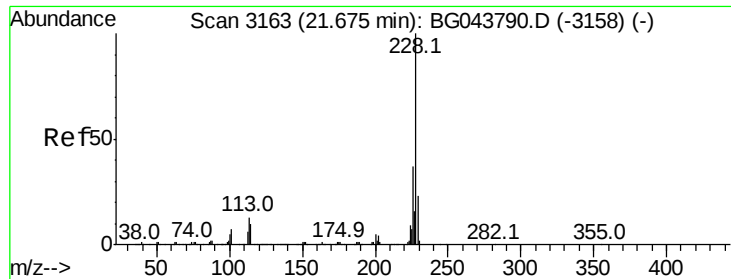
Acq: 17 Dec 2019 12:24

Tgt Ion:	252	Resp:	562200
Ion	Ratio	Lower	Upper
252	100		
254	65.4	52.2	78.2
126	11.0	8.7	13.1



Abundance Ion 252.00 (251.70 to 252.70): E
400000
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





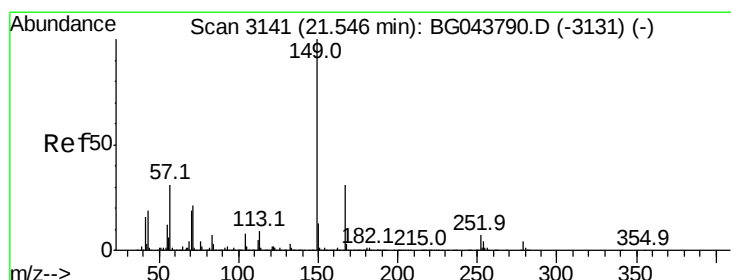
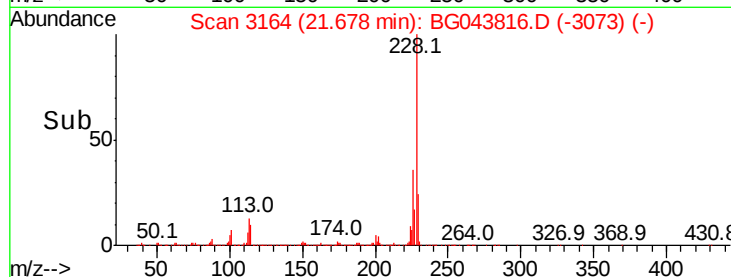
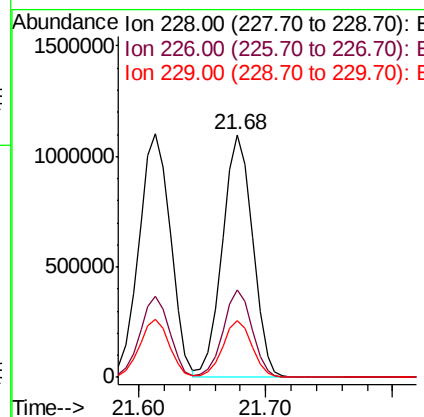
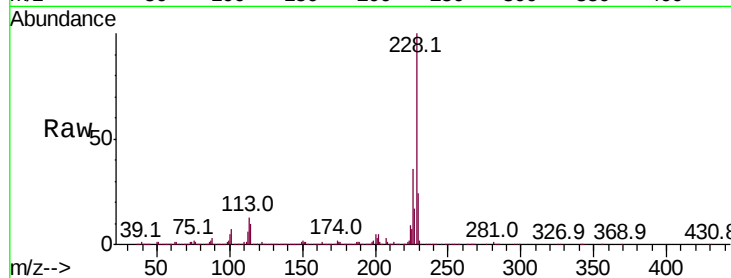
#83
 Chrvsene
 Concen: 40.548 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Instrument :
 BNA_G
 ClientSampled :
 PB125466BS

Tot Ion:228 Resp: 1816204
 Ion Ratio Lower Upper
 228 100
 226 36.3 29.1 43.7
 229 23.7 18.6 28.0

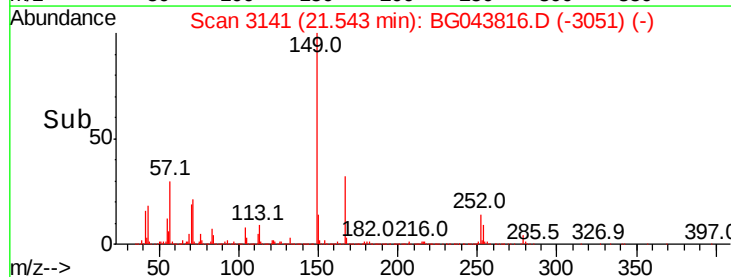
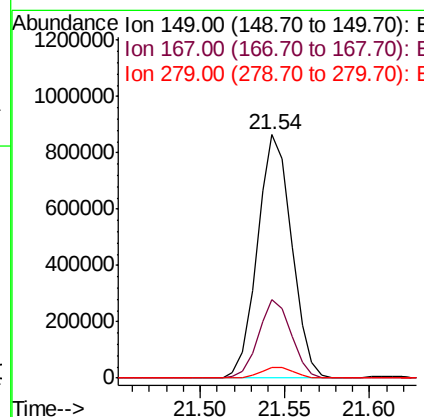
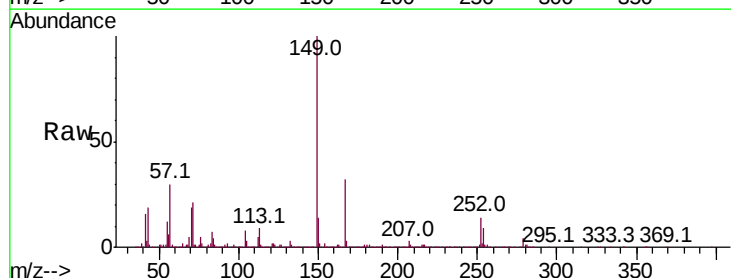
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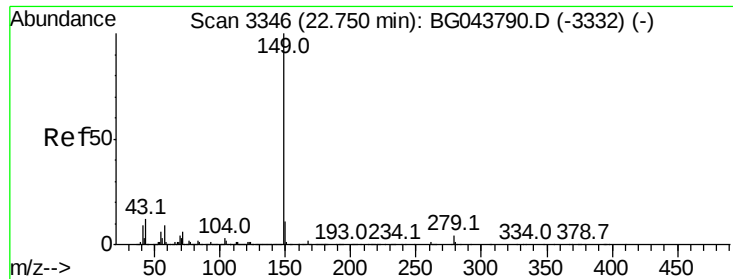
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.877 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG043816.D
 Acq: 17 Dec 2019 12:24

Tgt Ion:149 Resp: 1217814
 Ion Ratio Lower Upper
 149 100
 167 32.1 25.1 37.7
 279 4.3 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 44.347 ng

RT: 22.75 min Scan# 3346

Delta R.T. -0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

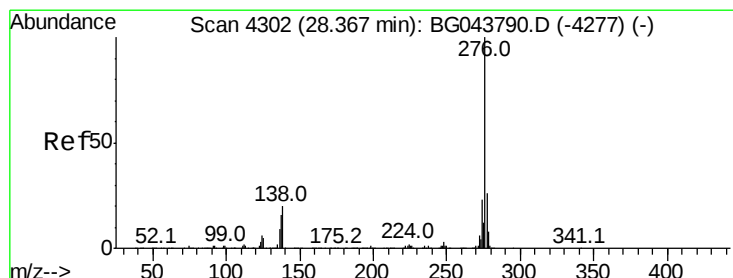
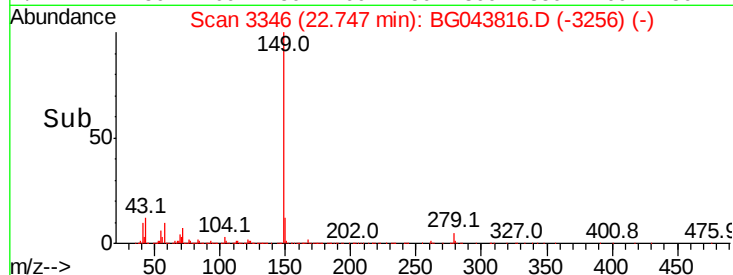
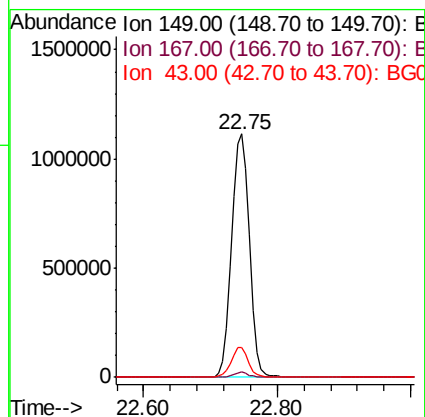
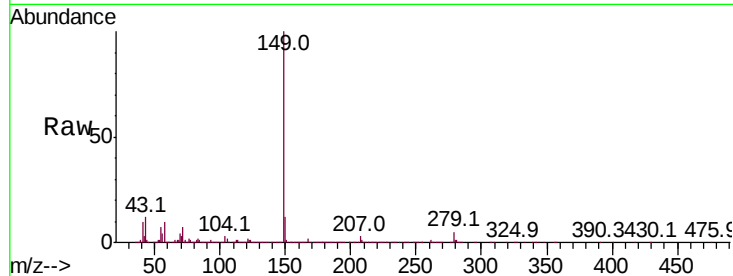
ClientSampleID :

PB125466BS

Tot Ion:	149	Resp:	2108334
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.2
43	11.0	8.8	13.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 33.169 ng

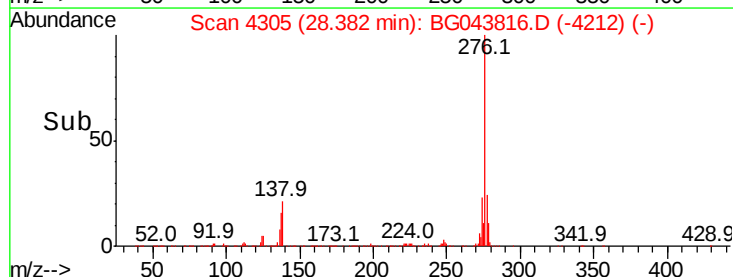
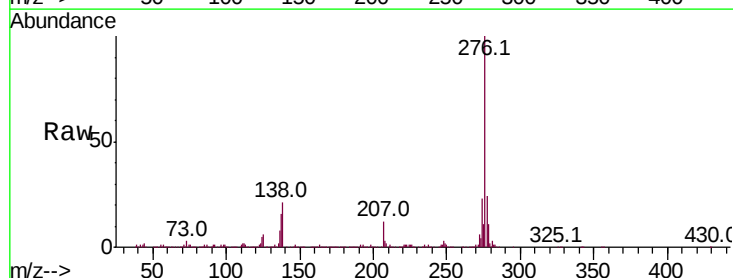
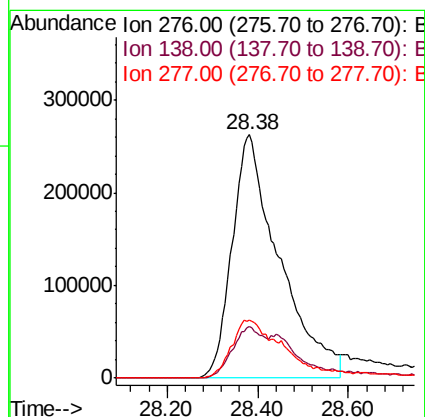
RT: 28.38 min Scan# 4305

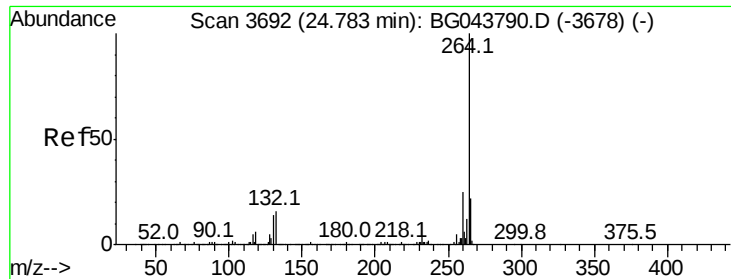
Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion:	276	Resp:	1901541
Ion Ratio	Lower	Upper	
276	100		
138	14.2	14.6	21.8#
277	26.9	21.2	31.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3694

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Instrument :

BNA_G

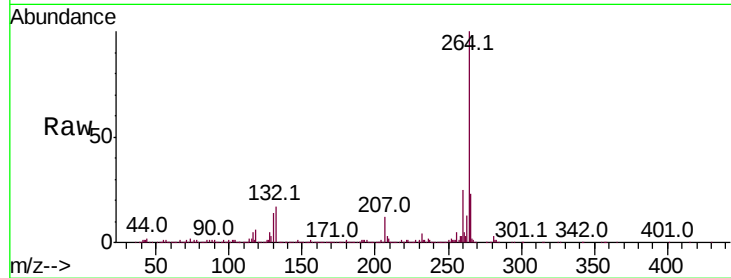
ClientSampleId :

PB125466BS

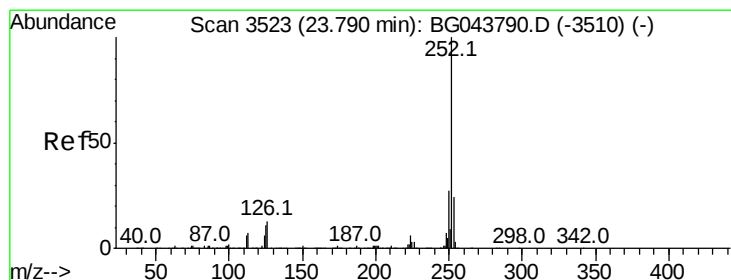
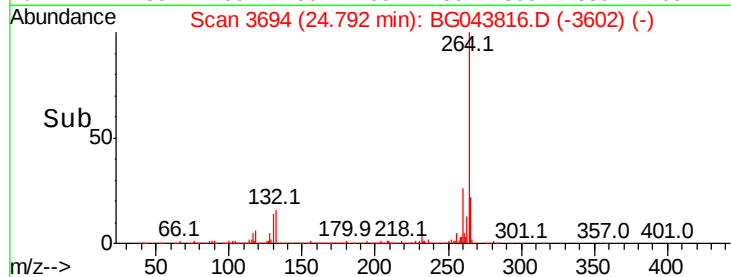
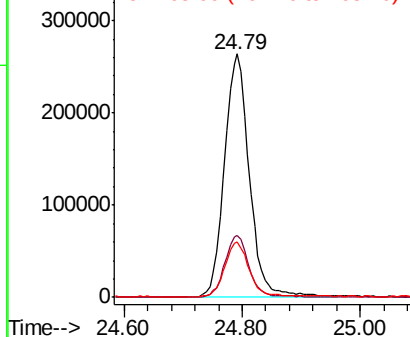
Tot Ion:	264	Resp:	777061
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.8	29.8
265	22.6	17.9	26.9

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



#88

Benzo(b)fluoranthene

Concen: 42.992 ng

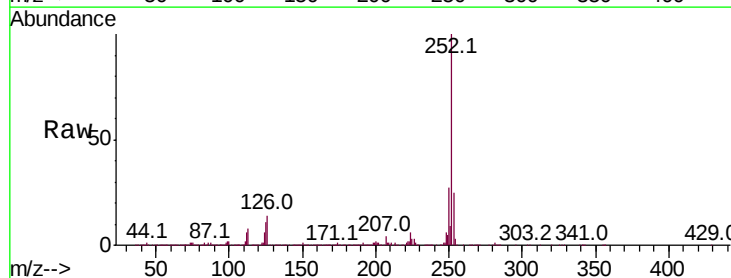
RT: 23.79 min Scan# 3524

Delta R.T. 0.00 min

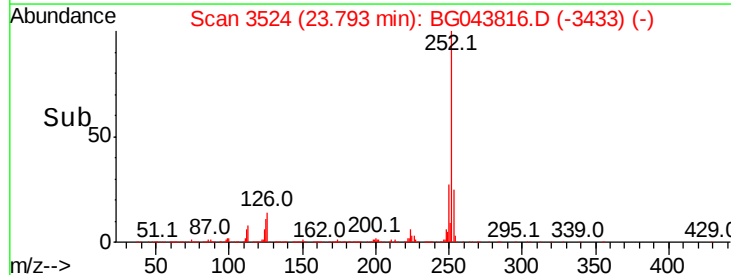
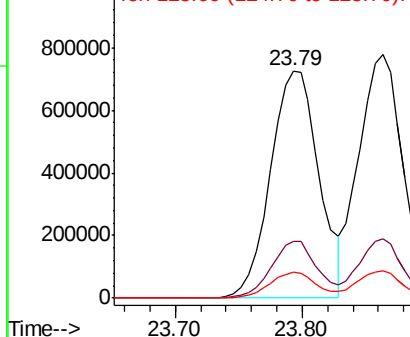
Lab File: BG043816.D

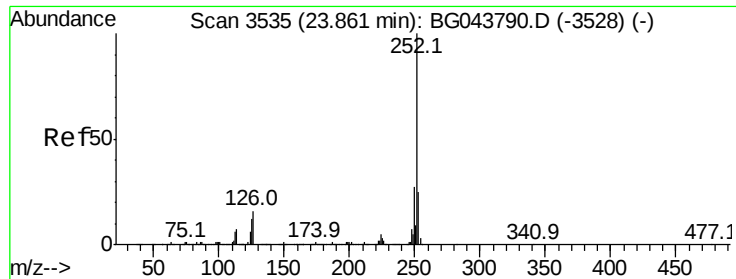
Acq: 17 Dec 2019 12:24

Tgt Ion:	252	Resp:	1923473
Ion Ratio	Lower	Upper	
252	100		
253	24.8	19.5	29.3
125	11.3	9.0	13.4



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





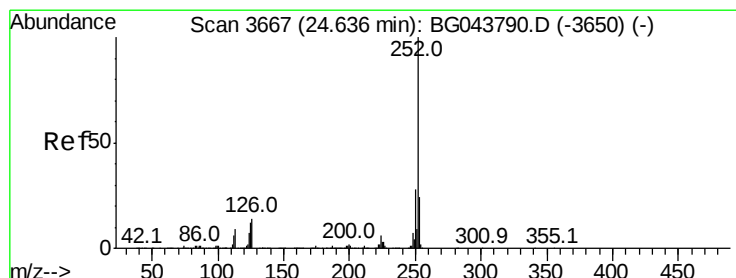
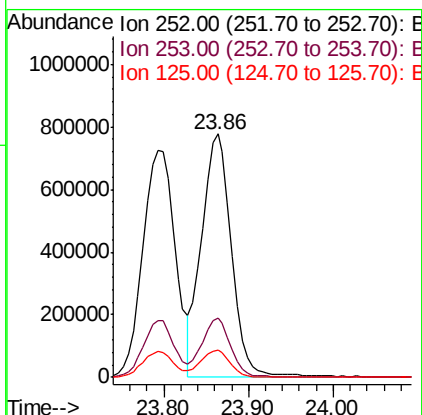
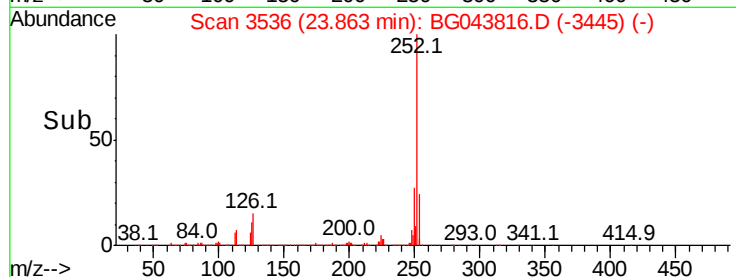
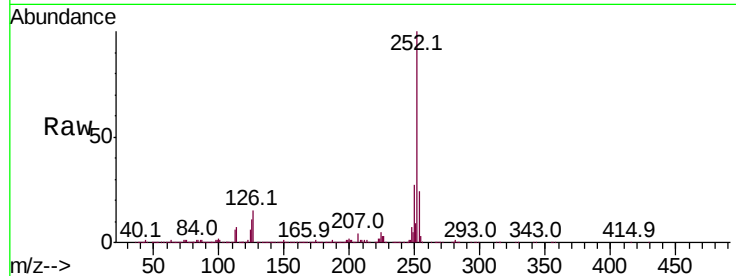
#89
Benzo(k)fluoranthene
Concen: 44.008 ng
RT: 23.86 min Scan# 3536
Delta R.T. 0.00 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Instrument :
BNA_G
ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.0
125	11.2	8.9	13.3

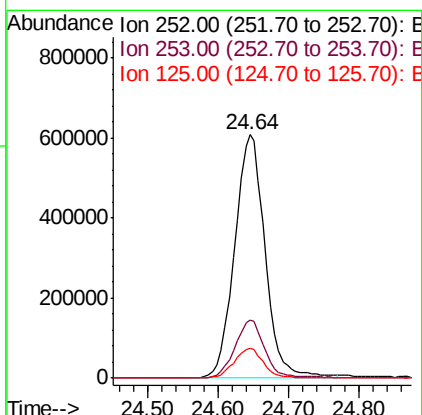
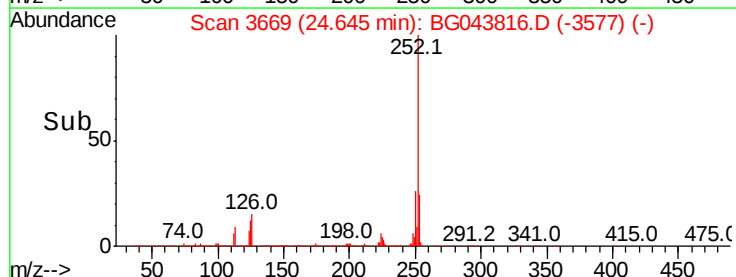
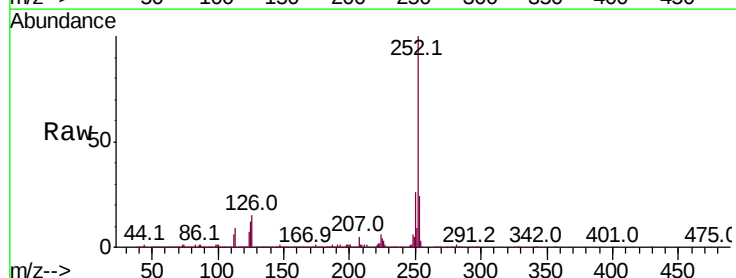
Manual Integrations
APPROVED

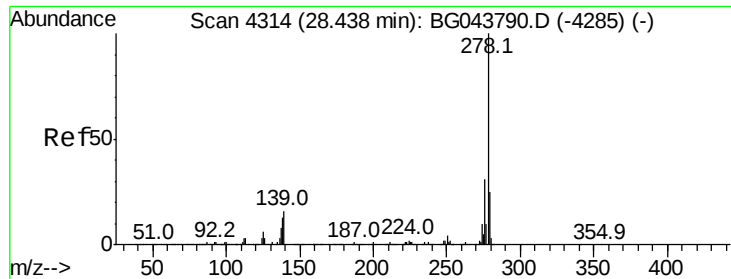
mohammad
12/18/2019 2:40:35 PM



#90
Benzo(a)pyrene
Concen: 42.489 ng
RT: 24.64 min Scan# 3669
Delta R.T. 0.01 min
Lab File: BG043816.D
Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.1	28.7
125	12.1	9.4	14.0





#91

Dibenzo(a,h)anthracene

Concen: 39.928 ng

RT: 28.45 min Scan# 4317

Delta R.T. 0.01 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

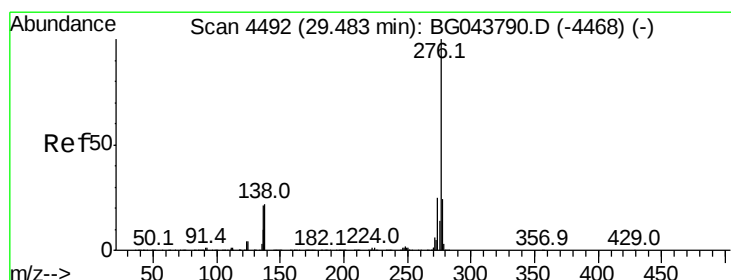
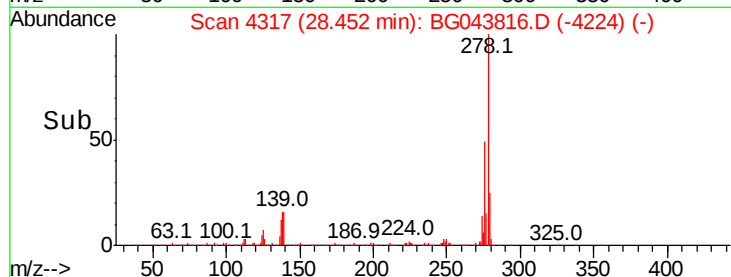
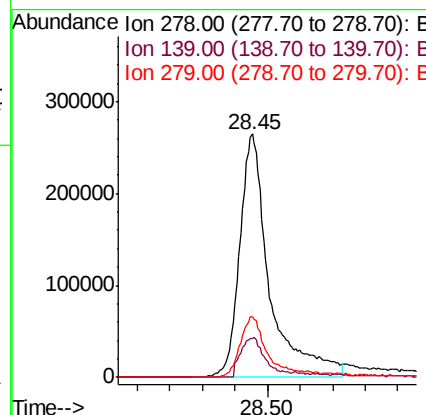
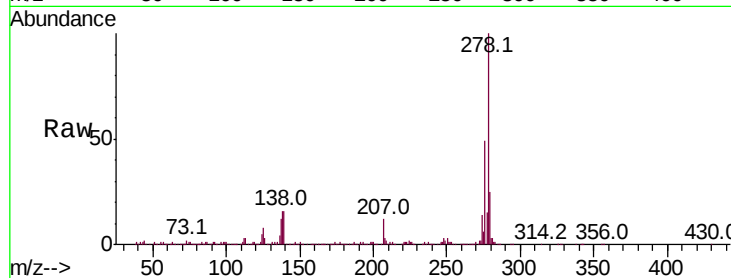
Instrument :
BNA_G

ClientSampleId :
PB125466BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.2	19.8
279	24.8	19.8	29.6

Manual Integrations
APPROVED

mohammad
12/18/2019 2:40:35 PM



#92

Benzo(g,h,i)perylene

Concen: 35.918 ng

RT: 29.49 min Scan# 4493

Delta R.T. 0.00 min

Lab File: BG043816.D

Acq: 17 Dec 2019 12:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.3	28.9
138	21.7	17.6	26.4

