

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
 Data File : BG062439.D
 Acq On : 16 Aug 2024 10:41
 Operator : MA/JU
 Sample : P3287-09RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 XB508RE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

Quant Time: Aug 16 11:22:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 15:31:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.959	152	48088	20.000	ng/u1	0.00
20) Naphthalene-d8	10.749	136	237752	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.579	164	180595	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.316	188	395276	20.000	ng/u1	0.00
79) Chrysene-d12	21.564	240	390148	20.000	ng/u1	0.00
88) Perylene-d12	24.648	264	444767	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.418	96	6485	5.120	ng/uL	0.00
4) Pyridine-d5	3.823	84	106461	27.584	ng/u1	0.00
7) Phenol-d5	7.113	99	137879	28.822	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.283	67	79705	26.450	ng/u1	0.00
11) 2-Chlorophenol-d4	7.489	132	99726	30.517	ng/u1	0.00
15) 4-Methylphenol-d8	8.658	113	114200	28.479	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	51905	34.043	ng/u1	0.00
24) 2-Nitrophenol-d4	9.832	143	58071	38.287	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.367	165	113711	29.435	ng/u1	0.00
31) 4-Chloroaniline-d4	10.878	131	165222	26.969	ng/u1	0.00
46) Dimethylphthalate-d6	13.986	166	423619	30.156	ng/u1	0.00
49) Acenaphthylene-d8	14.268	160	462827	29.756	ng/u1	0.00
54) 4-Nitrophenol-d4	14.761	143	67907	30.303	ng/u1	0.00
60) Fluorene-d10	15.566	176	387394	30.576	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.678	200	61352	34.161	ng/u1	0.00
73) Anthracene-d10	17.416	188	608941	32.069	ng/u1	0.00
81) Pyrene-d10	19.701	212	759501	33.240	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.442	264	781869	33.125	ng/u1	0.00
Target Compounds						
					Qvalue	
10) Bis(2-Chloroethyl)ether	7.377	93	64601	17.392	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.487	45	731791	95.450	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.757	70	137896	39.782	ng/u1	99
19) Hexachloroethane	9.039	117	81219	60.388	ng/u1	93
22) Nitrobenzene	9.151	77	251217	58.331	ng/u1	98
23) Isophorone	9.680	82	913696	89.833	ng/u1	99
33) Hexachlorobutadiene	11.090	225	129043	42.792	ng/u1	97
36) 2-Methylnaphthalene	12.405	142	363792	37.359	ng/u1	99
44) 2-Chloronaphthalene	13.457	162	556268	52.542	ng/u1	99
47) Dimethylphthalate	14.039	163	1772987	124.490	ng/u1	100
48) 2,6-Dinitrotoluene	14.156	165	268500	132.002	ng/u1#	88
57) 2,4-Dinitrotoluene	14.931	165	53084	17.144	ng/u1	97
59) Diethylphthalate	15.396	149	1056828	74.356	ng/u1	98
61) Fluorene	15.625	166	563452	40.775	ng/u1	100
62) 4-Chlorophenyl-phenyle...	15.625	204	785172	110.572	ng/u1	98
72) Phenanthrene	17.358	178	917047	41.288	ng/u1	99
74) Anthracene	17.452	178	404590	17.782	ng/u1	99
78) Di-n-butylphthalate	18.286	149	2504142	109.526	ng/u1#	97
80) Fluoranthene	19.367	202	1555740	60.947	ng/u1	98
82) Pyrene	19.725	202	451799	16.422	ng/u1	99
83) Butylbenzylphthalate	20.624	149	969421	104.606	ng/u1	97
85) Benzo(a)anthracene	21.540	228	1319445	46.594	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.470	149	813662	60.094	ng/u1	98
87) Chrysene	21.605	228	1352896	50.394	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Di-n-octyl phthalate	22.645	149	2951264	124.419	ng/ul	100
90) Benzo(b)fluoranthene	23.678	252	1196337	44.526	ng/ul	99
91) Benzo(k)fluoranthene	23.737	252	464668	17.134	ng/ul	99
93) Benzo(a)pyrene	24.501	252	210041	8.292	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.137	276	971629m	30.180	ng/ul	
95) Dibenzo(a,h)anthracene	28.208	278	1261237	48.332	ng/ul	100
96) Benzo(g,h,i)perylene	29.230	276	734857	29.680	ng/ul	98

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

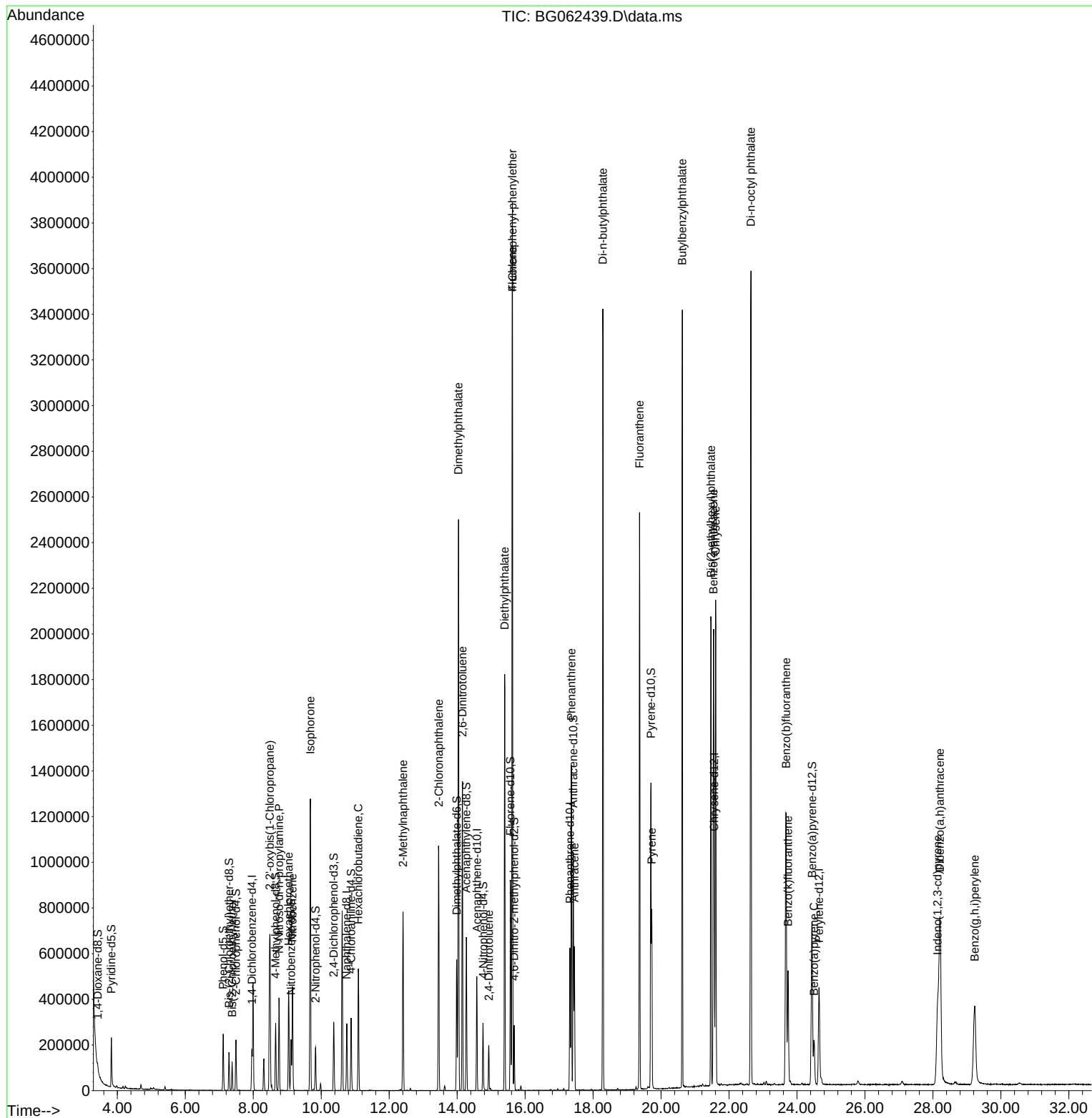
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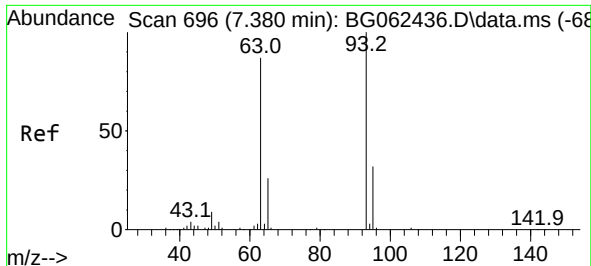
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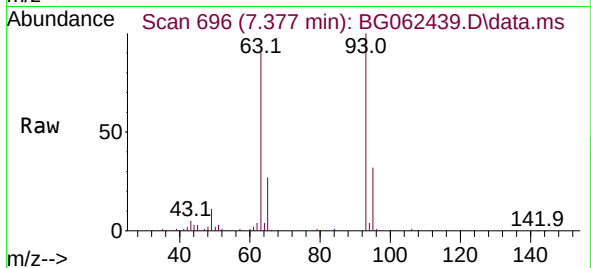
#10
Bis(2-Chloroethyl)ether
Concen: 17.392 ng/ul
RT: 7.377 min Scan# 696
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Instrument :

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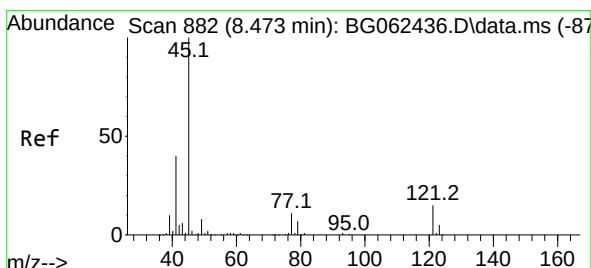
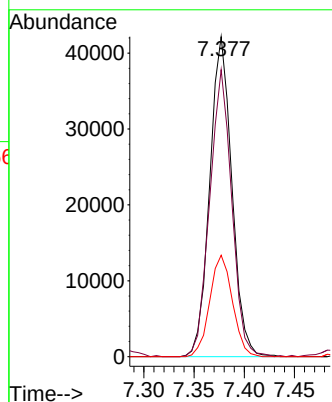
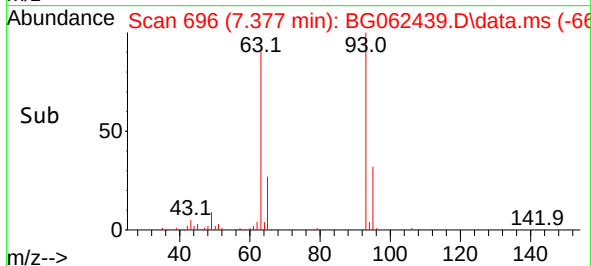


Tgt Ion: 93 Resp: 6460
Ion Ratio Lower Upper
93 100
63 89.7 70.5 105.7
95 31.7 25.8 38.8

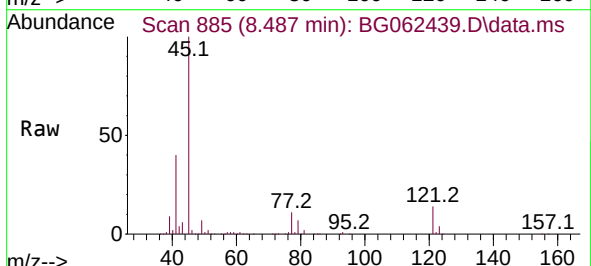
Manual Integrations

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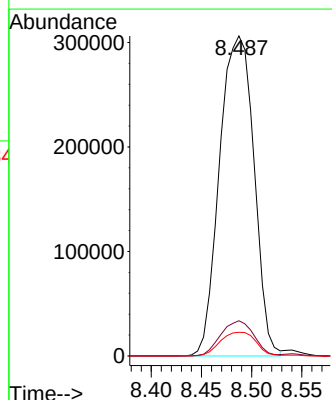
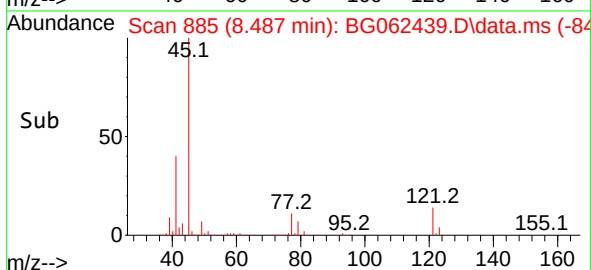
Reviewed By :Jagrut Upadhyay 08/16/2024
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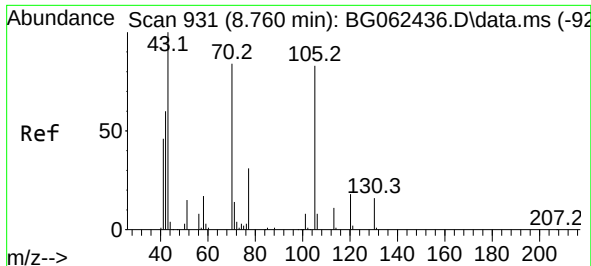


#14
2,2'-oxybis(1-Chloropropane)
Concen: 95.450 ng/ul
RT: 8.487 min Scan# 885
Delta R.T. 0.011 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41



Tgt Ion: 45 Resp: 731791
Ion Ratio Lower Upper
45 100
77 11.0 8.7 13.1
79 7.4 6.9 10.3





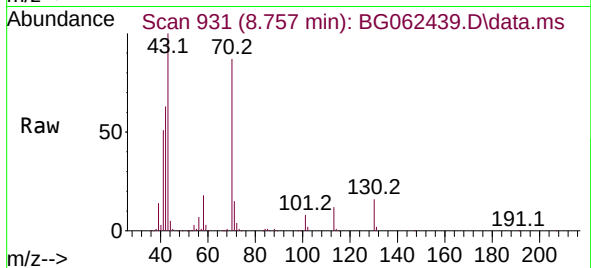
#17
N-Nitroso-di-n-propylamine
Concen: 39.782 ng/ul
RT: 8.757 min Scan# 911
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Instrument :

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ClientSampleId :

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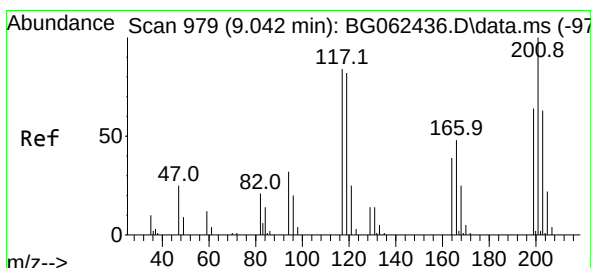
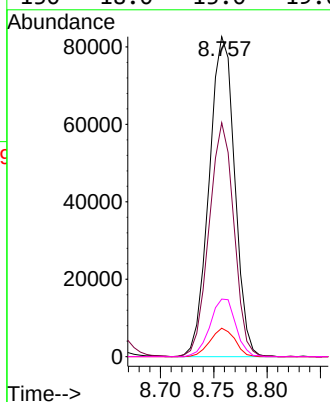
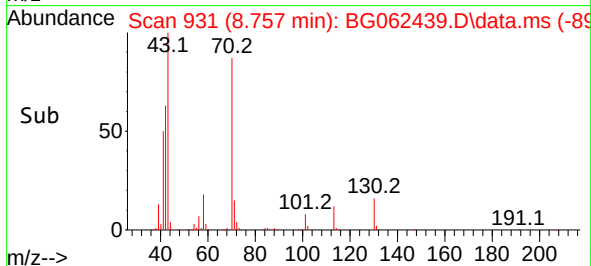


Tgt Ion: 70 Resp: 137890
Ion Ratio Lower Upper
70 100
42 73.1 58.2 87.2
101 8.9 7.7 11.5
130 18.0 13.0 19.6

Manual Integrations

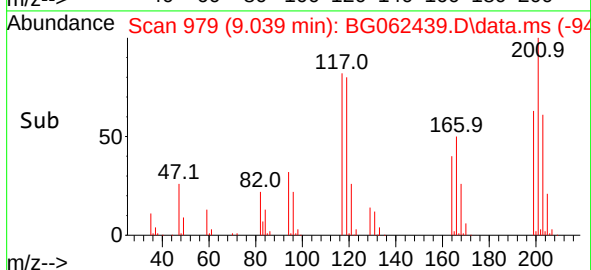
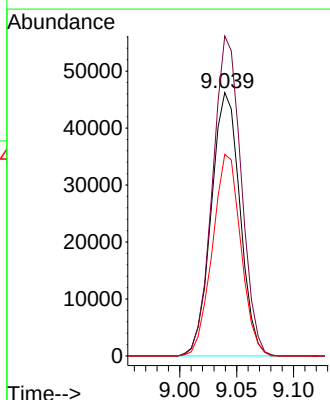
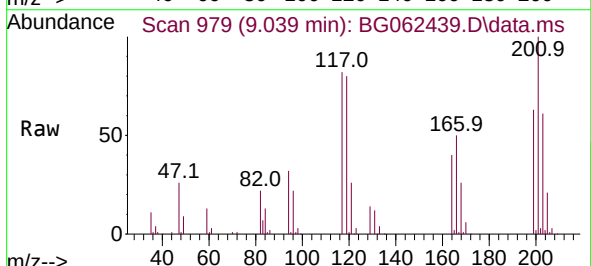
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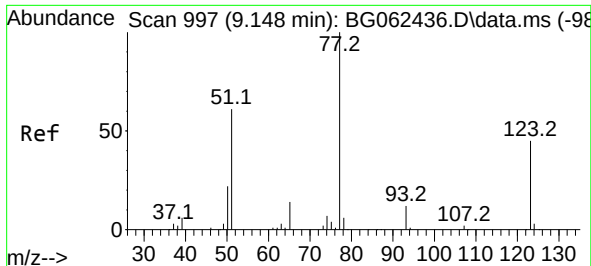
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#19
Hexachloroethane
Concen: 60.388 ng/ul
RT: 9.039 min Scan# 979
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Tgt Ion:117 Resp: 81219
Ion Ratio Lower Upper
117 100
201 121.5 88.8 133.2
199 76.5 58.9 88.3





#22
Nitrobenzene
Concen: 58.331 ng/ul
RT: 9.151 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

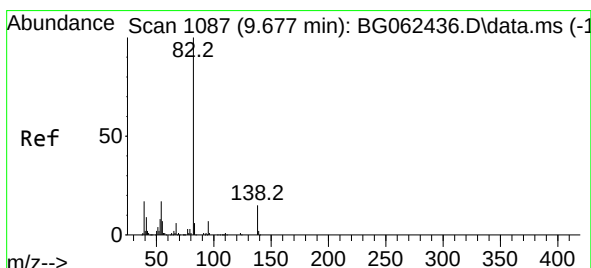
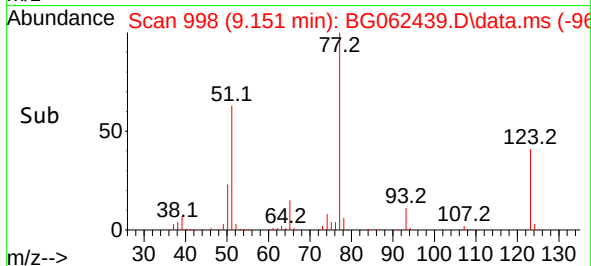
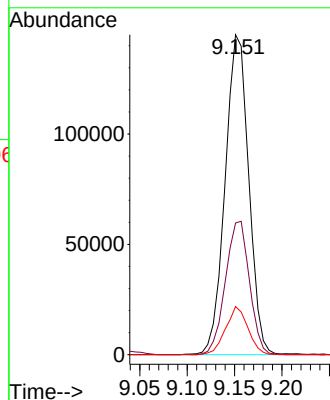
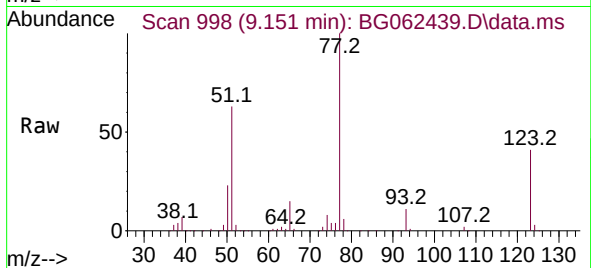
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Tgt Ion: 77 Resp: 25121
Ion Ratio Lower Upper
77 100
123 41.1 32.2 48.4
65 15.1 11.0 16.6

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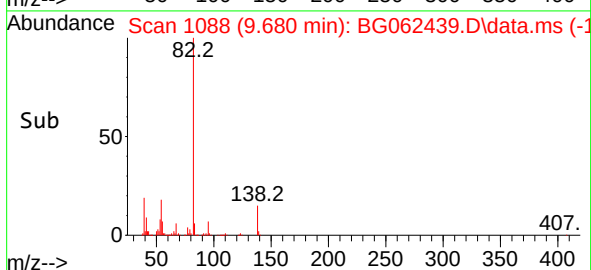
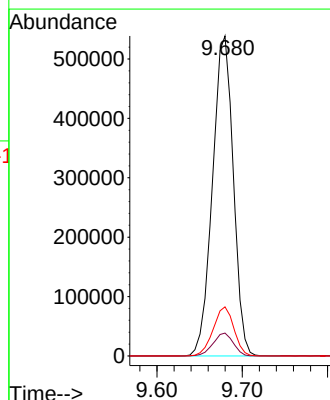
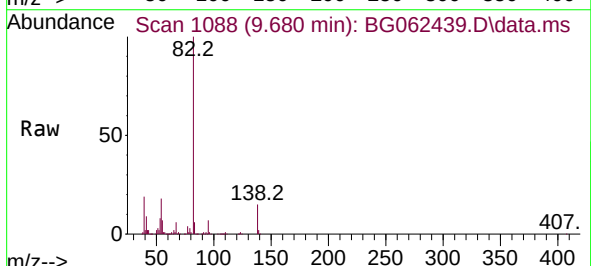
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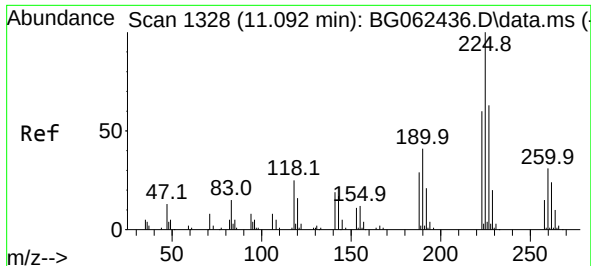
Reviewed By :Jagrut Upadhyay 08/16/2024
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#23
Isophorone
Concen: 89.833 ng/ul
RT: 9.680 min Scan# 1088
Delta R.T. 0.005 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

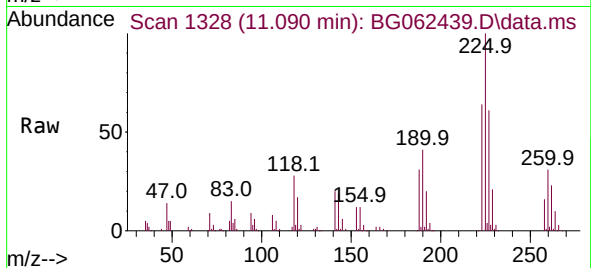
Tgt Ion: 82 Resp: 913696
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.2
138 15.4 11.8 17.8





#33
Hexachlorobutadiene
Concen: 42.792 ng/ul
RT: 11.090 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

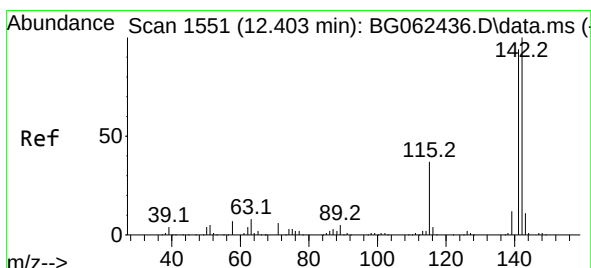
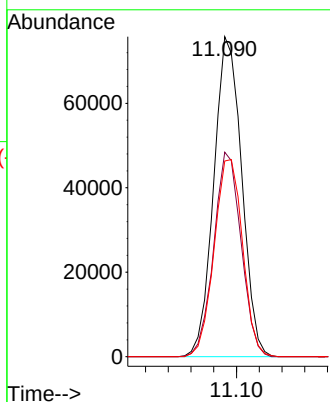
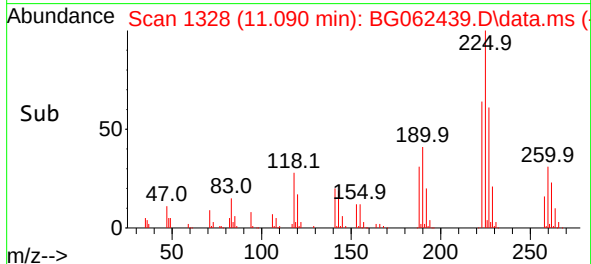
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ClientSampleId :
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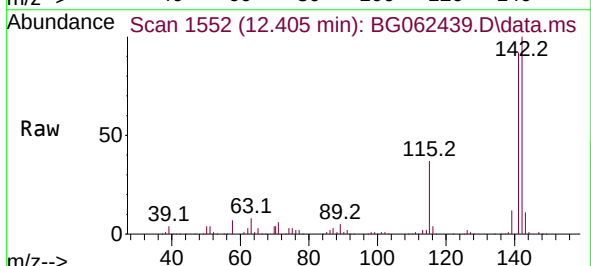
Tgt Ion:225 Resp: 12904
Ion Ratio Lower Upper
225 100
223 63.9 50.2 75.2
227 61.2 51.7 77.5

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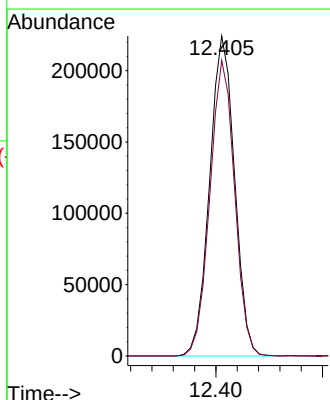
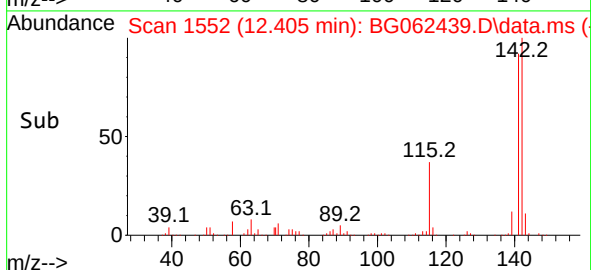
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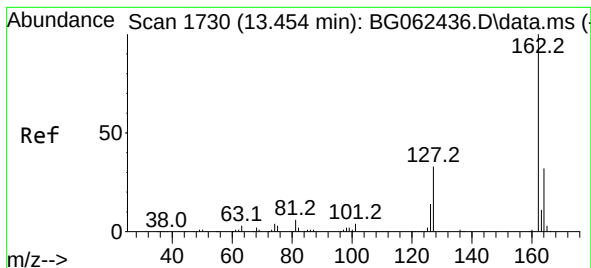


#36
2-Methylnaphthalene
Concen: 37.359 ng/ul
RT: 12.405 min Scan# 1552
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41



Tgt Ion:142 Resp: 363792
Ion Ratio Lower Upper
142 100
141 92.4 75.0 112.4





#44

2-Chloronaphthalene

Concen: 52.542 ng/ul

RT: 13.457 min Scan# 1

Delta R.T. -0.000 min

Lab File: BG062439.D

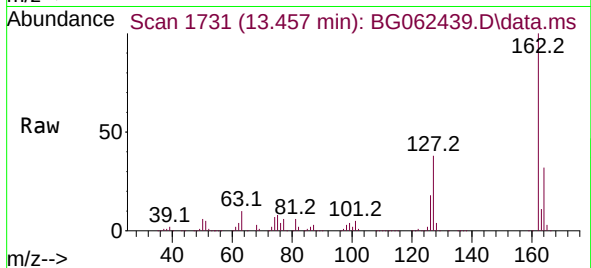
Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

XB508RE



Tgt Ion:162 Resp: 55626

Ion Ratio Lower Upper

162 100

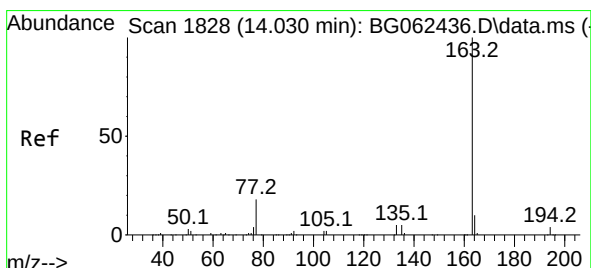
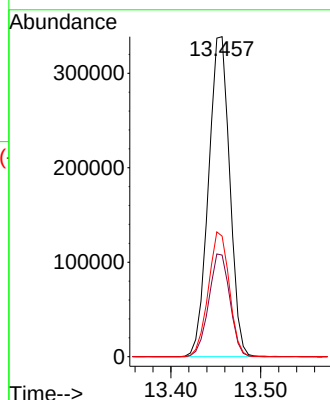
164 31.8 26.2 39.2

127 37.6 30.3 45.5

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#47

Dimethylphthalate

Concen: 124.490 ng/ul

RT: 14.039 min Scan# 1830

Delta R.T. 0.005 min

Lab File: BG062439.D

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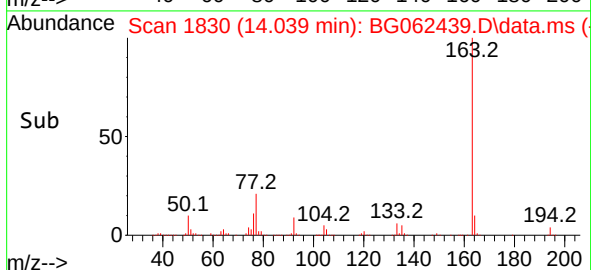
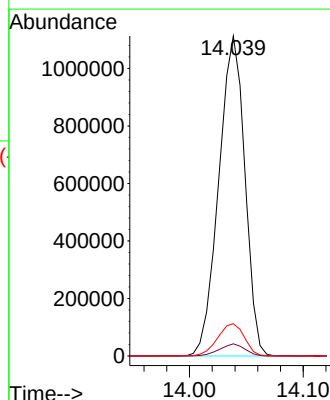
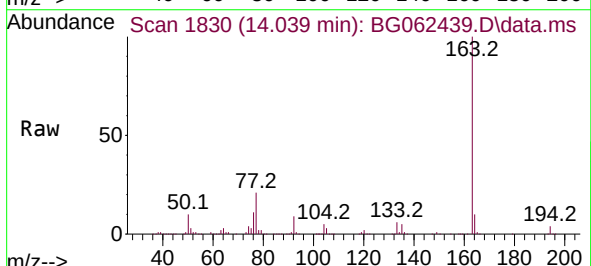
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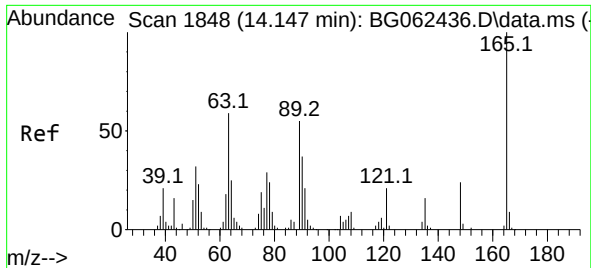
Ion Ratio Lower Upper

163 100

194 3.8 2.8 4.2

164 10.1 8.1 12.1





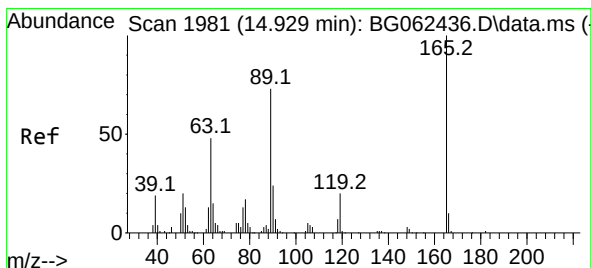
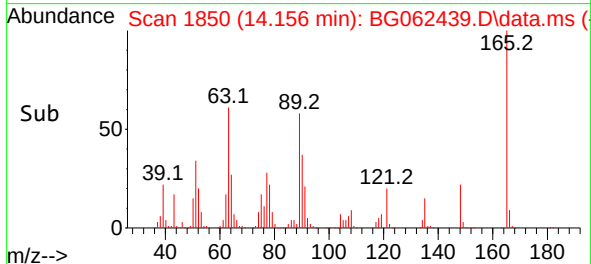
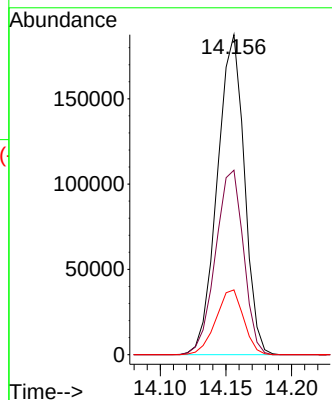
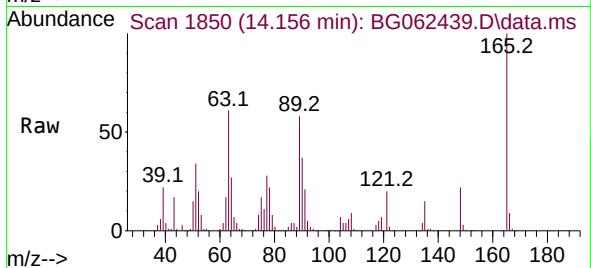
#48
2,6-Dinitrotoluene
Concen: 132.002 ng/ul
RT: 14.156 min Scan# 1848
Delta R.T. 0.011 min
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Instrument :
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Tgt Ion:165 Resp: 268500
Ion Ratio Lower Upper
165 100
89 57.7 54.3 81.5
121 20.2 21.0 31.6

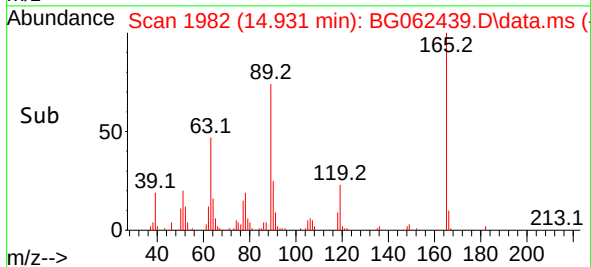
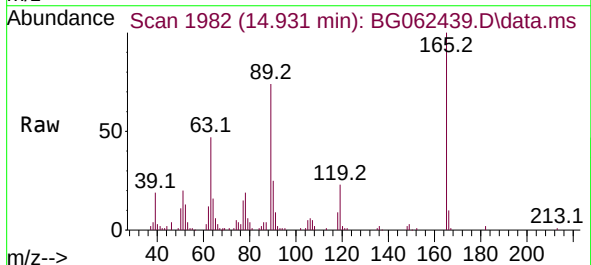
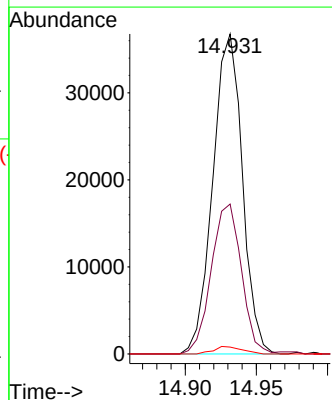
Manual Integrations
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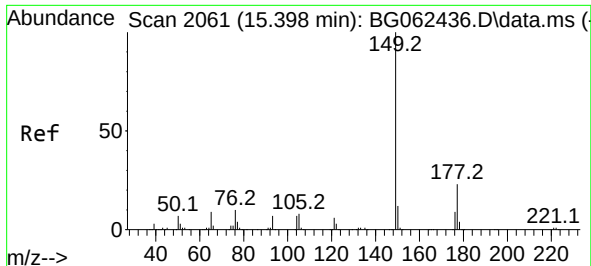
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#57
2,4-Dinitrotoluene
Concen: 17.144 ng/ul
RT: 14.931 min Scan# 1982
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Tgt Ion:165 Resp: 53084
Ion Ratio Lower Upper
165 100
63 46.9 39.4 59.2
182 2.2 1.8 2.6





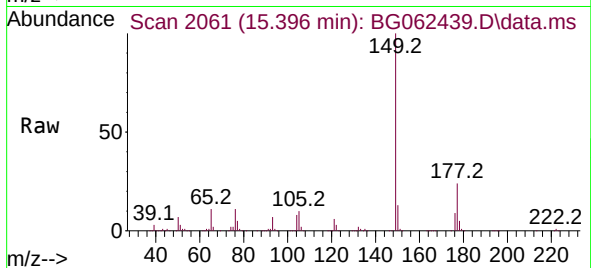
#59
Diethylphthalate
Concen: 74.356 ng/ul
RT: 15.396 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

XB508RE

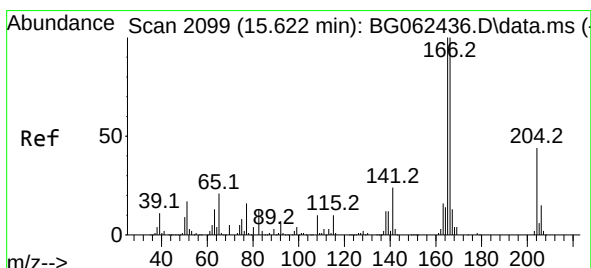
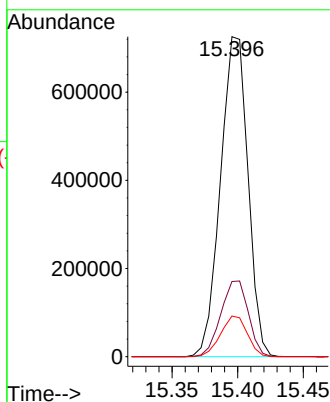
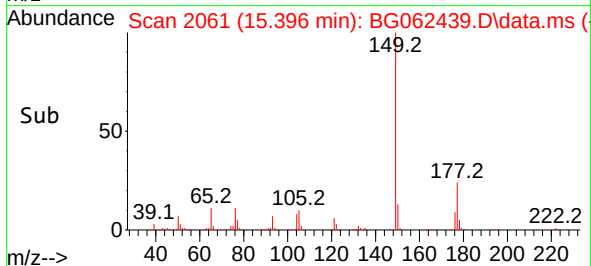


Tgt Ion:149 Resp: 1056828
Ion Ratio Lower Upper
149 100
177 23.5 19.4 29.2
150 12.7 9.4 14.2

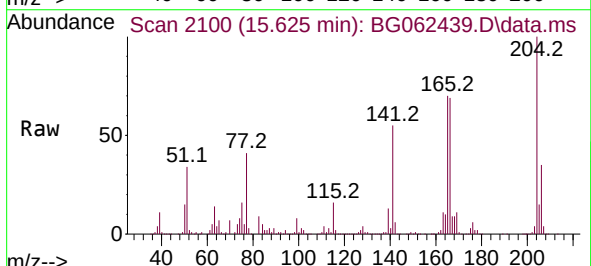
Manual Integrations

APPROVED

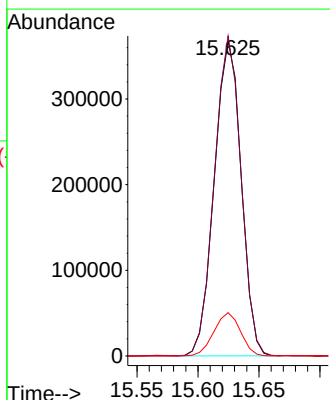
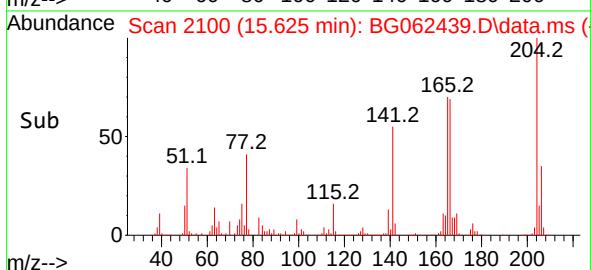
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

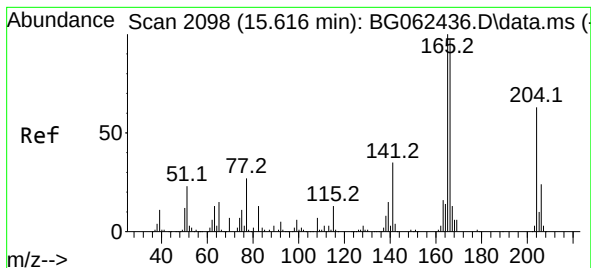


#61
Fluorene
Concen: 40.775 ng/ul
RT: 15.625 min Scan# 2100
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41



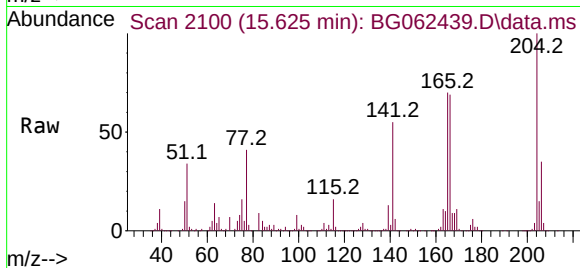
Tgt Ion:166 Resp: 563452
Ion Ratio Lower Upper
166 100
165 101.7 81.0 121.6
167 13.8 10.6 16.0





#62
4-Chlorophenyl-phenylether
Concen: 110.572 ng/ul
RT: 15.625 min Scan# 2100
Delta R.T. 0.005 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

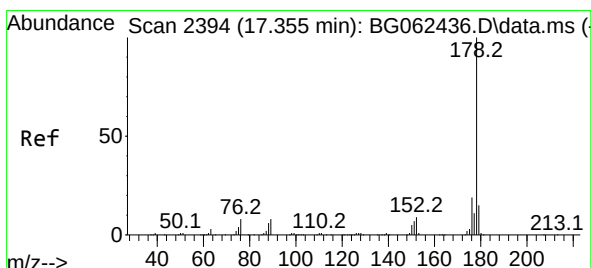
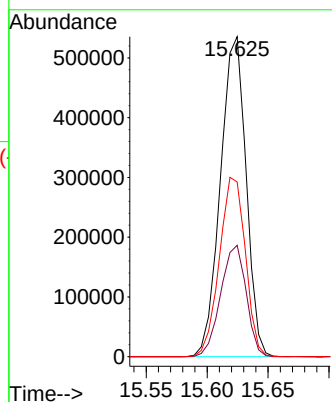
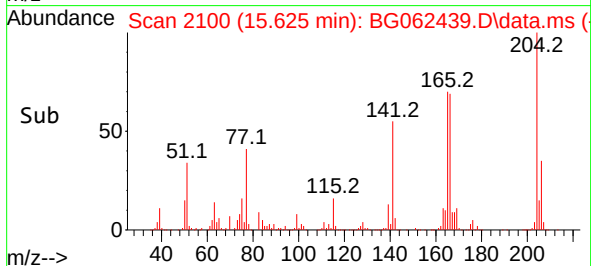
Instrument :
BNA_G
ClientSampleId :
XB508RE



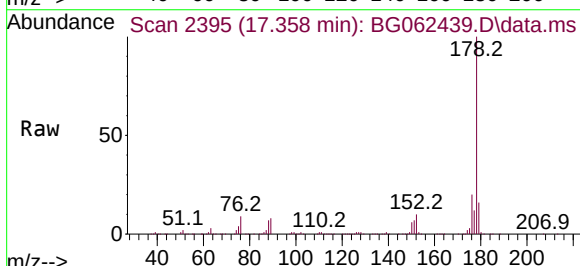
Tgt Ion:204 Resp: 78517
Ion Ratio Lower Upper
204 100
206 34.8 28.1 42.1
141 54.6 45.7 68.5

Manual Integrations
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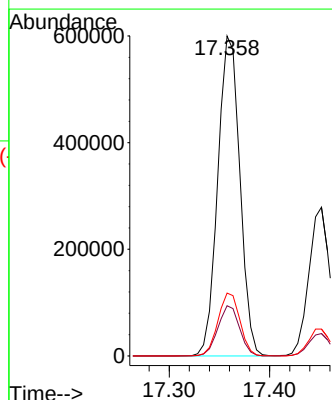
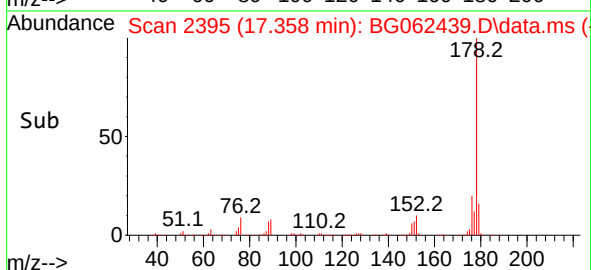
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

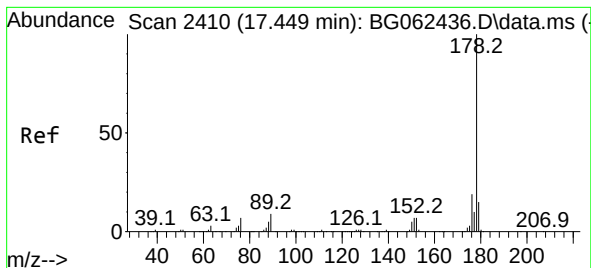


#72
Phenanthrene
Concen: 41.288 ng/ul
RT: 17.358 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41



Tgt Ion:178 Resp: 917047
Ion Ratio Lower Upper
178 100
179 15.7 12.4 18.6
176 19.7 15.2 22.8





#74

Anthracene

Concen: 17.782 ng/ul

RT: 17.452 min Scan# 2410

Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

XB508RE

Tgt Ion:178 Resp: 404590

Ion Ratio Lower Upper

178 100

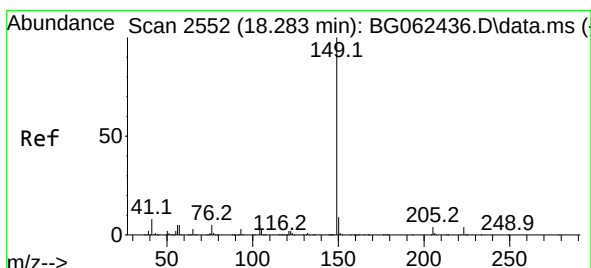
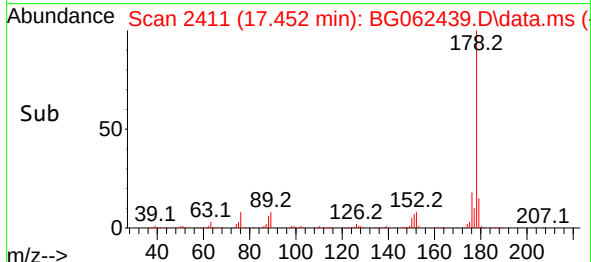
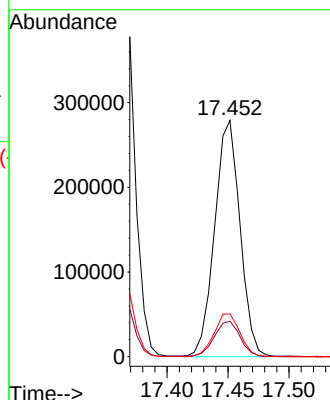
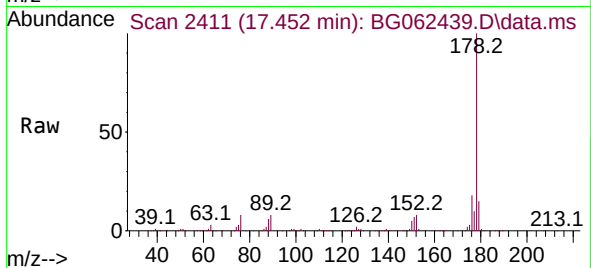
179 15.1 12.2 18.2

176 18.1 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#78

Di-n-butylphthalate

Concen: 109.526 ng/ul

RT: 18.286 min Scan# 2553

Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

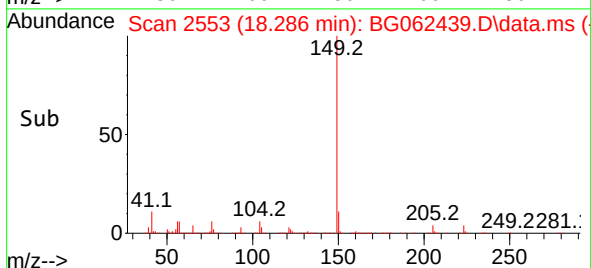
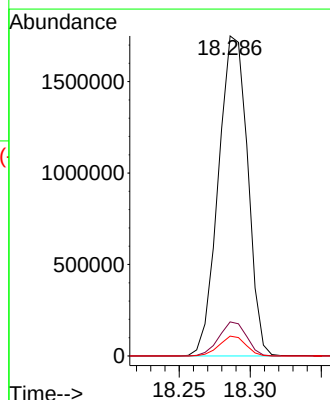
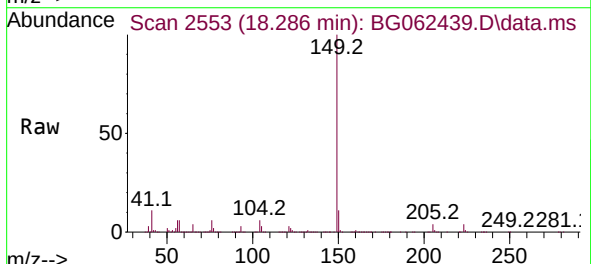
Tgt Ion:149 Resp: 2504142

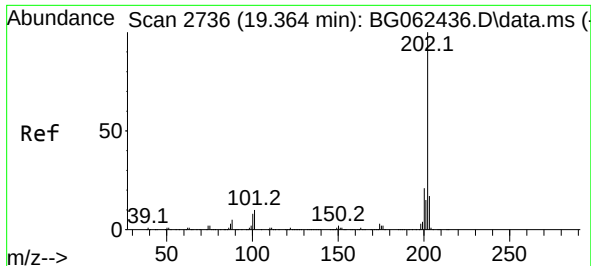
Ion Ratio Lower Upper

149 100

150 10.6 7.6 11.4

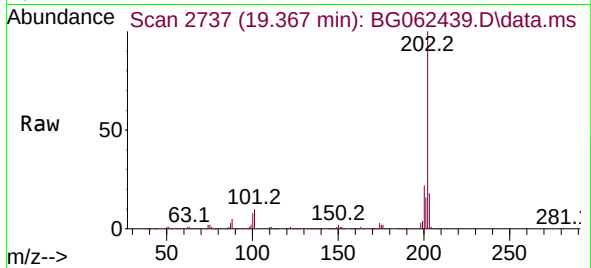
104 6.2 3.8 5.8#





#80
Fluoranthene
Concen: 60.947 ng/ul
RT: 19.367 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

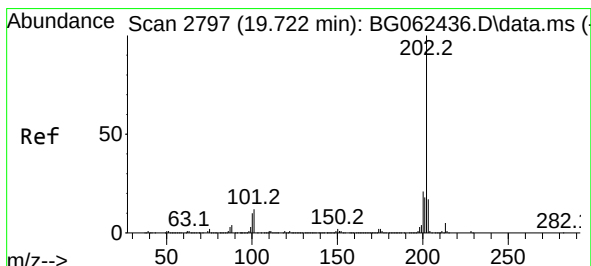
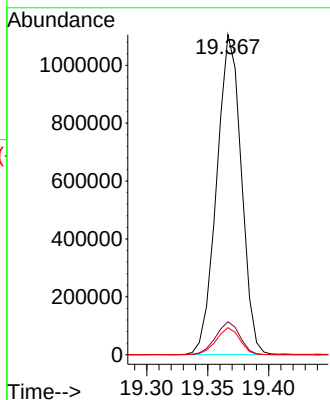
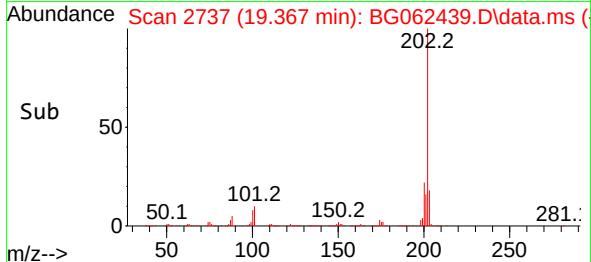
Instrument :
BNA_G
ClientSampleId :
XB508RE



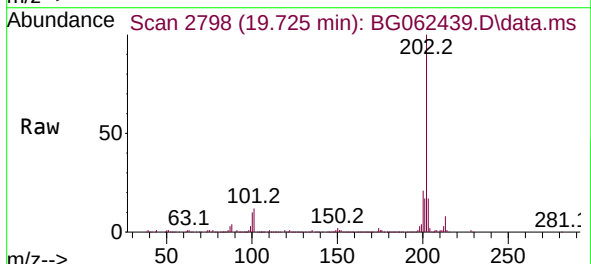
Tgt Ion:202 Resp: 1555740
Ion Ratio Lower Upper
202 100
101 10.3 7.6 11.4
100 8.4 6.2 9.2

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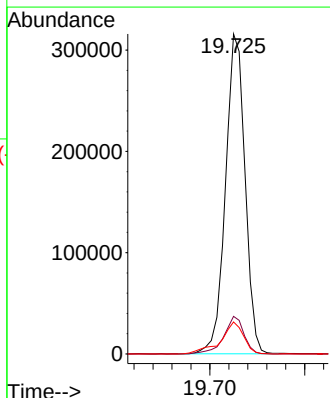
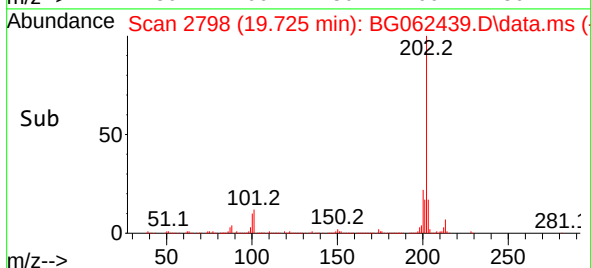
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

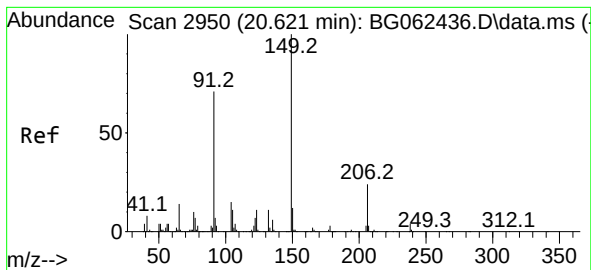


#82
Pyrene
Concen: 16.422 ng/ul
RT: 19.725 min Scan# 2798
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41



Tgt Ion:202 Resp: 451799
Ion Ratio Lower Upper
202 100
101 11.8 9.0 13.6
100 10.0 8.2 12.4





#83

Butylbenzylphthalate

Concen: 104.606 ng/ul

RT: 20.624 min Scan# 2950

Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

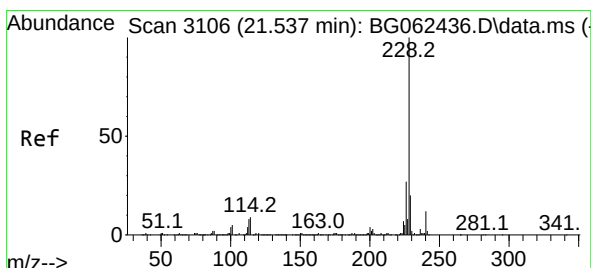
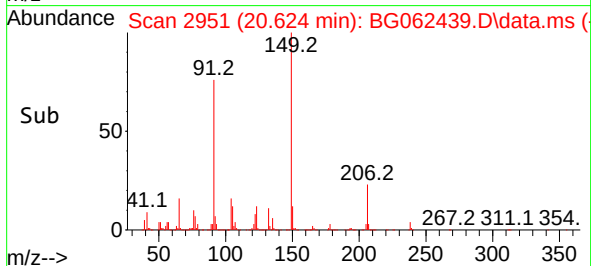
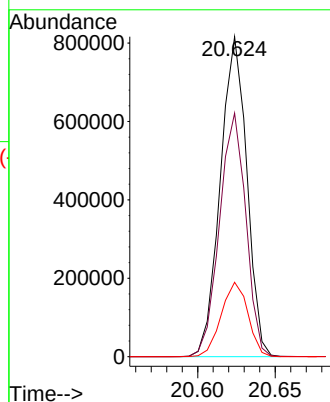
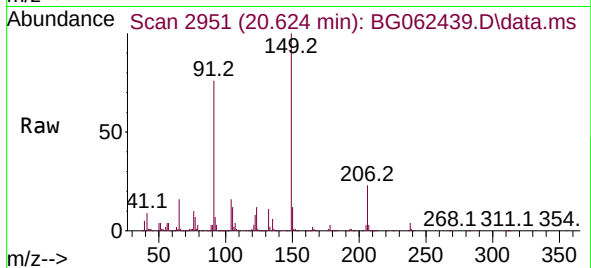
XB508RE

Tgt Ion:149	Resp: 96942
Ion Ratio	Lower Upper
149 100	
91 76.1	58.5 87.7
206 23.2	17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#85

Benzo(a)anthracene

Concen: 46.594 ng/ul

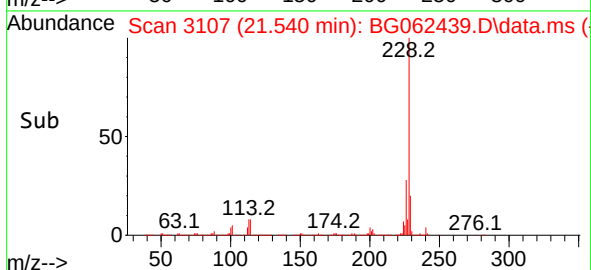
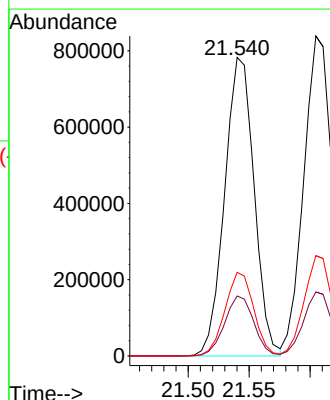
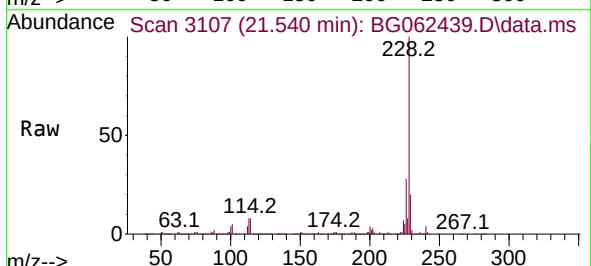
RT: 21.540 min Scan# 3107

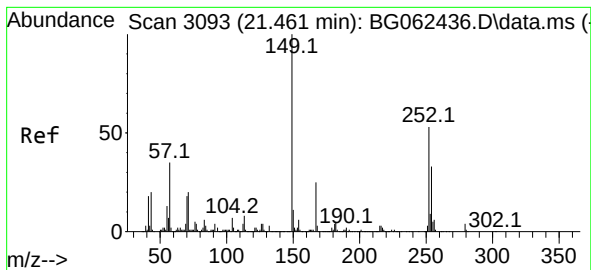
Delta R.T. -0.006 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

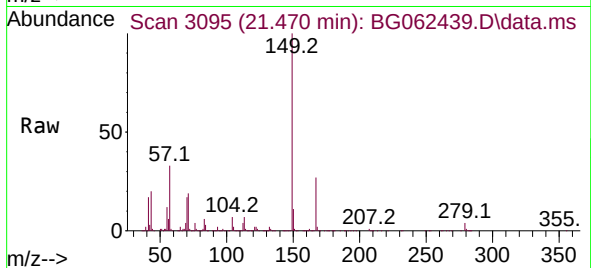
Tgt Ion:228	Resp: 1319445
Ion Ratio	Lower Upper
228 100	
229 20.1	16.2 24.4
226 28.0	21.5 32.3





#86
Bis(2-ethylhexyl)phthalate
Concen: 60.094 ng/ul
RT: 21.470 min Scan# 3095
Delta R.T. -0.000 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

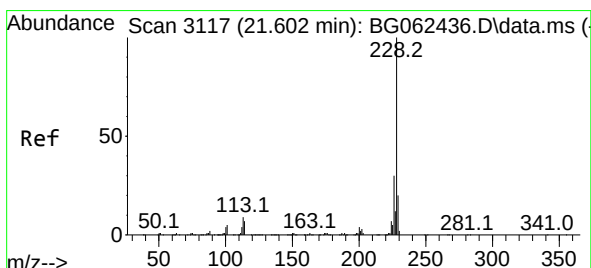
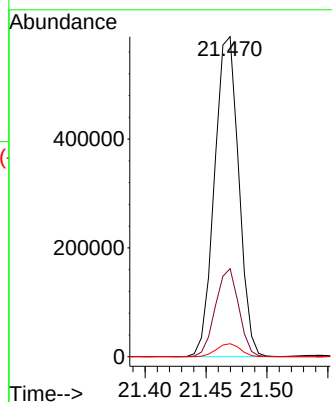
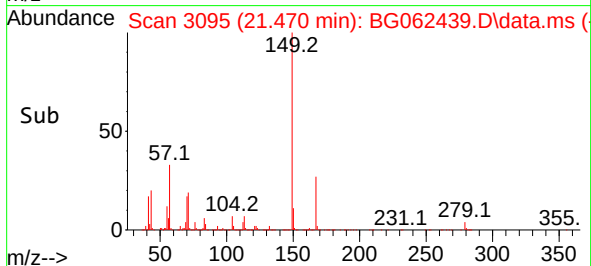
Instrument :
BNA_G
ClientSampleId :
XB508RE



Tgt Ion:149 Resp: 81366
Ion Ratio Lower Upper
149 100
167 27.5 21.2 31.8
279 4.0 2.7 4.1

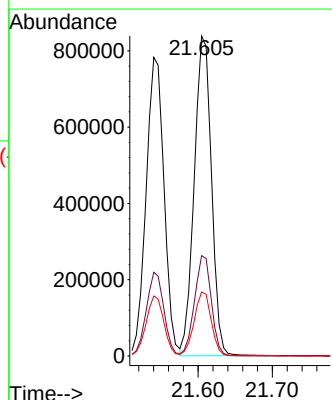
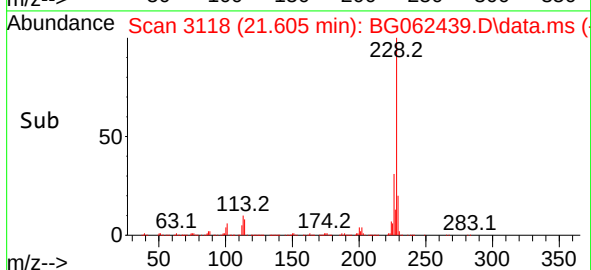
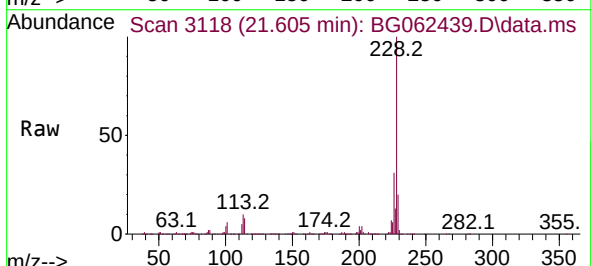
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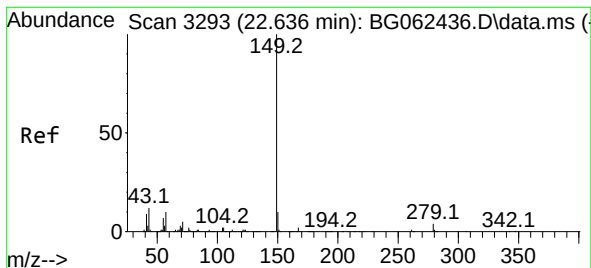
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#87
Chrysene
Concen: 50.394 ng/ul
RT: 21.605 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Tgt Ion:228 Resp: 1352896
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 20.0 15.2 22.8





#89

Di-n-octyl phthalate

Concen: 124.419 ng/ul

RT: 22.645 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

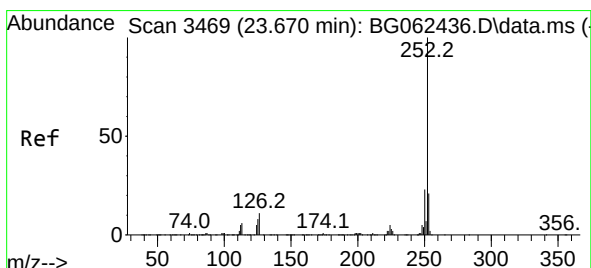
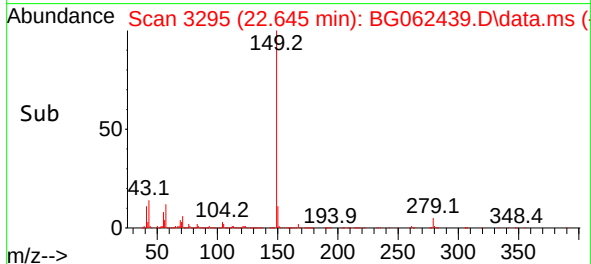
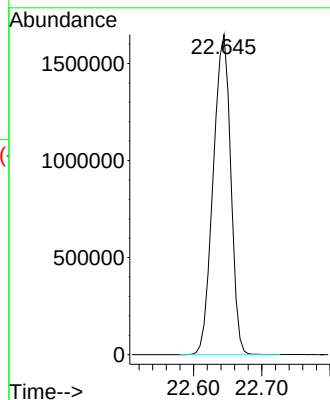
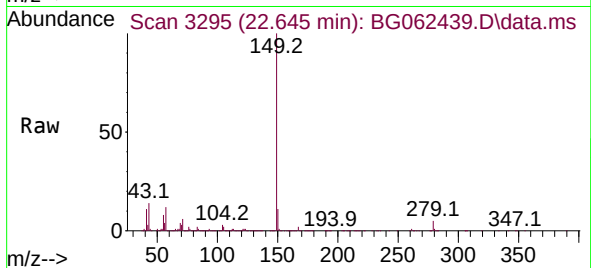
XB508RE

Tgt Ion:149 Resp: 2951264

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Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#90

Benzo(b)fluoranthene

Concen: 44.526 ng/ul

RT: 23.678 min Scan# 3471

Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

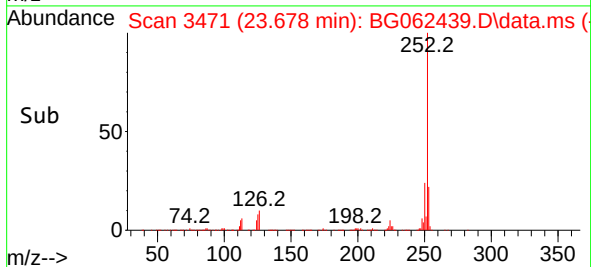
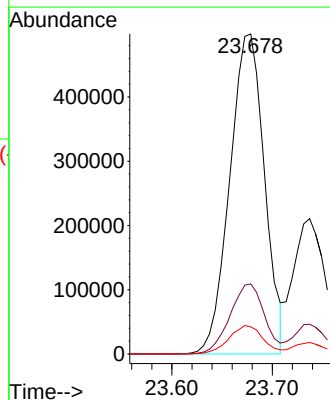
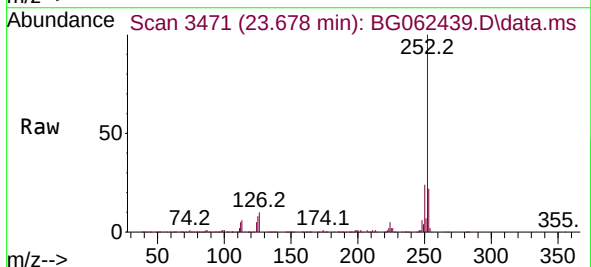
Tgt Ion:252 Resp: 1196337

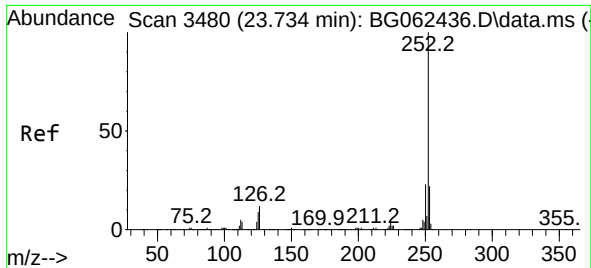
Ion Ratio Lower Upper

252 100

253 21.9 16.9 25.3

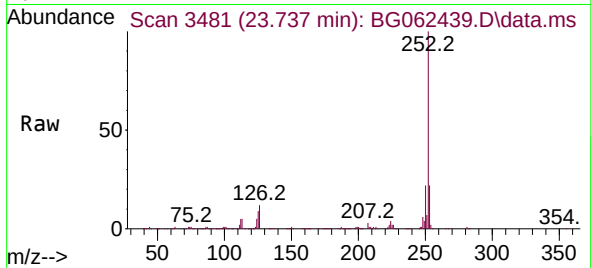
125 8.5 7.0 10.4





#91
Benzo(k)fluoranthene
Concen: 17.134 ng/ul
RT: 23.737 min Scan# 3480
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

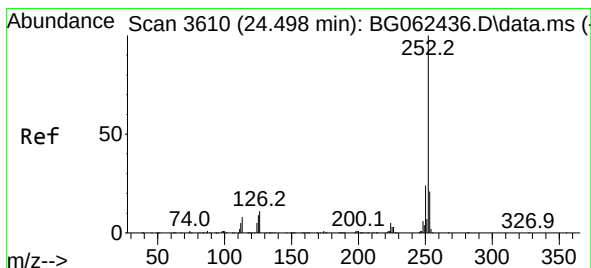
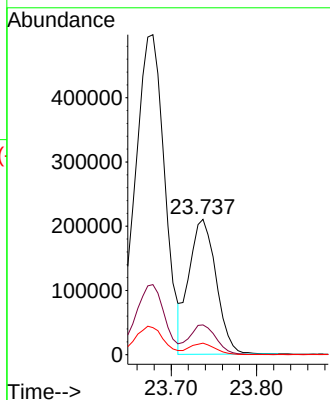
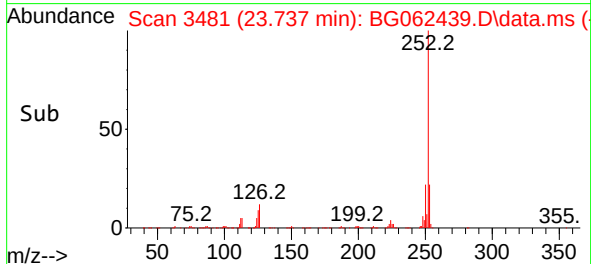
Instrument :
BNA_G
ClientSampleId :
XB508RE



Tgt Ion:252 Resp: 464668
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 8.5 6.8 10.2

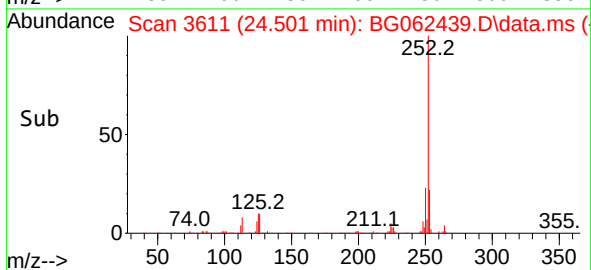
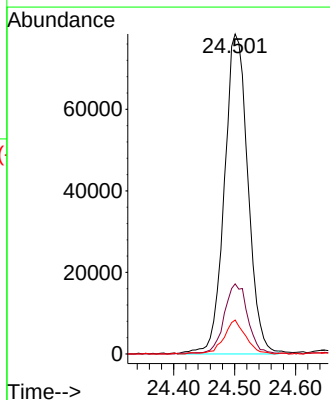
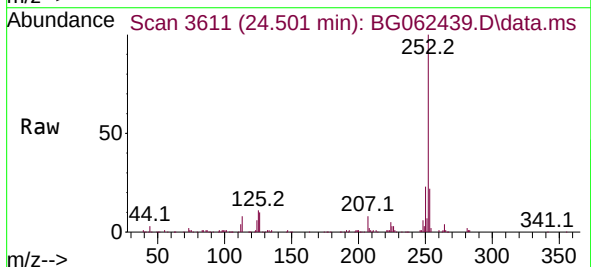
Manual Integrations
APPROVED

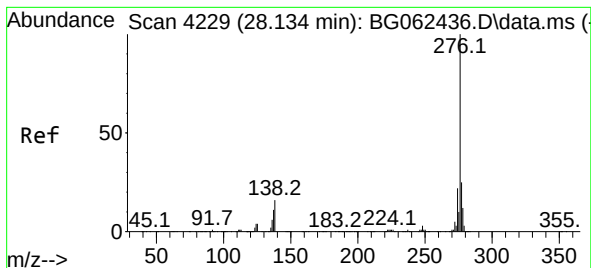
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#93
Benzo(a)pyrene
Concen: 8.292 ng/ul
RT: 24.501 min Scan# 3611
Delta R.T. -0.006 min
Lab File: BG062439.D
Acq: 16 Aug 2024 10:41

Tgt Ion:252 Resp: 210041
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 10.6 7.6 11.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 30.180 ng/ul m

RT: 28.137 min Scan# 4229

Delta R.T. -0.012 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

Instrument :

BNA_G

ClientSampleId :

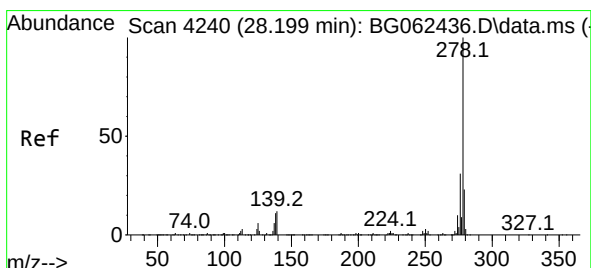
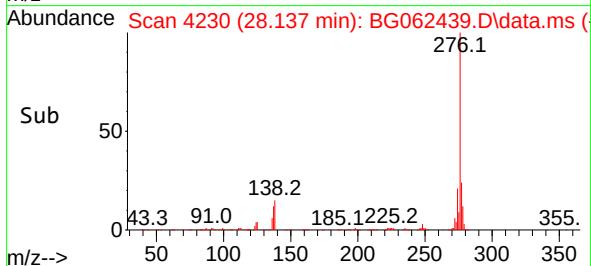
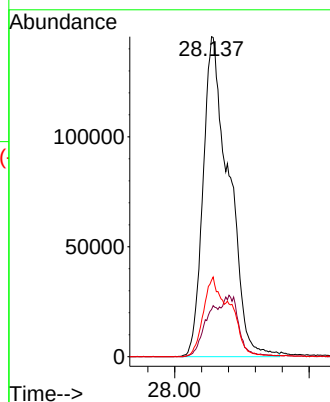
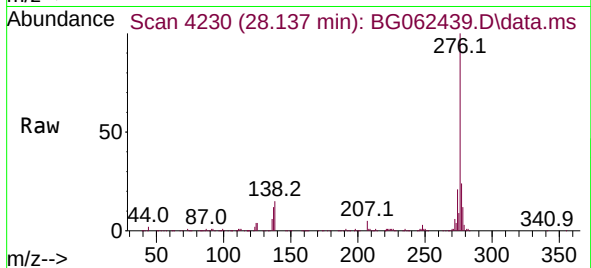
XB508RE

Tgt Ion:276 Resp: 971629
 Ion Ratio Lower Upper
 276 100
 138 14.7 11.8 17.8
 277 23.9 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024



#95

Dibenzo(a,h)anthracene

Concen: 48.332 ng/ul

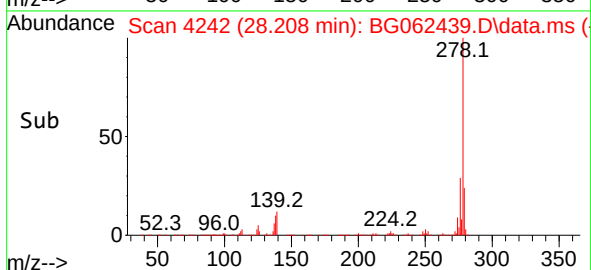
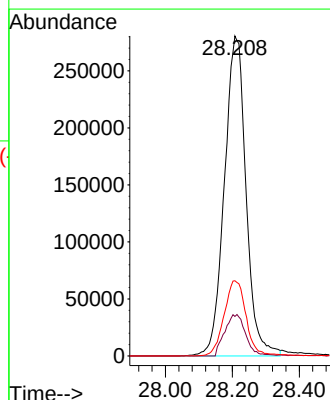
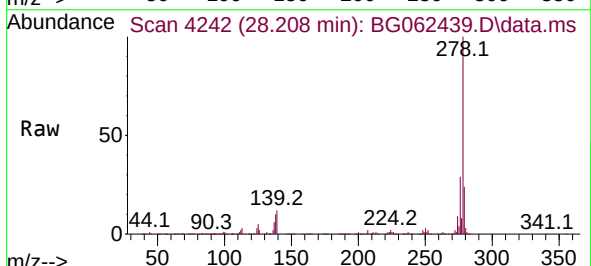
RT: 28.208 min Scan# 4242

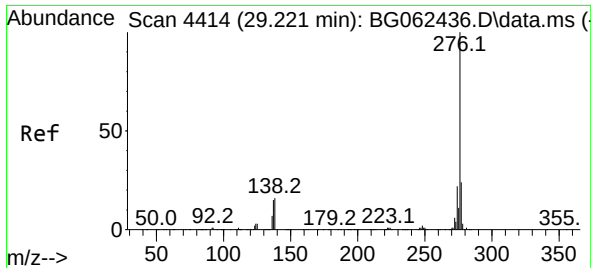
Delta R.T. -0.000 min

Lab File: BG062439.D

Acq: 16 Aug 2024 10:41

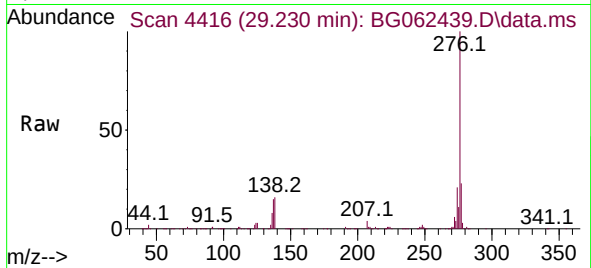
Tgt Ion:278 Resp: 1261237
 Ion Ratio Lower Upper
 278 100
 139 12.4 9.8 14.6
 279 23.5 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 29.680 ng/ul
 RT: 29.230 min Scan# 4416
 Delta R.T. -0.006 min
 Lab File: BG062439.D
 Acq: 16 Aug 2024 10:41

Instrument :
 BNA_G
 ClientSampleId :
 XB508RE



Tgt Ion:276 Resp: 73485
 Ion Ratio Lower Upper
 276 100
 138 16.5 12.6 19.0
 277 23.2 19.5 29.3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

