

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
 Data File : BG062414.D
 Acq On : 15 Aug 2024 13:56
 Operator : MA/JU
 Sample : P3481-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E0AF2

Manual Integrations
 APPROVED

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

Quant Time: Aug 15 23:39:21 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	7.957	152	69428	20.000	ng/u1	0.00
20) Naphthalene-d8	10.754	136	302446	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.578	164	232005	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.315	188	525242	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	513243	20.000	ng/u1	0.00
88) Perylene-d12	24.647	264	606064	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.422	96	3995	2.185	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.112	99	98732	14.295	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.288	67	58685	13.489	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	72433	15.352	ng/u1	0.00
15) 4-Methylphenol-d8	8.651	113	78451	13.551	ng/u1	0.00
21) Nitrobenzene-d5	9.109	128	35927	18.523	ng/u1	0.00
24) 2-Nitrophenol-d4	9.831	143	39117	20.274	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.366	165	77461	15.762	ng/u1	0.00
31) 4-Chloroaniline-d4	10.877	131	43495	5.581	ng/u1	0.00
46) Dimethylphthalate-d6	13.985	166	272803	15.117	ng/u1	0.00
49) Acenaphthylene-d8	14.267	160	308454	15.437	ng/u1	0.00
54) 4-Nitrophenol-d4	14.754	143	35172	12.217	ng/u1	0.00
60) Fluorene-d10	15.565	176	258640	15.890	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.676	200	29262	12.262	ng/u1	0.00
73) Anthracene-d10	17.415	188	399574	15.836	ng/u1	0.00
81) Pyrene-d10	19.700	212	466352	15.515	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.435	264	390638	12.145	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.774	105	29465	3.107	ng/u1	92
30) Naphthalene	10.801	128	26189	1.493	ng/u1	97
37) 1-Methylnaphthalene	12.622	142	42497	3.362	ng/u1#	99
43) 1,1'-Biphenyl	13.415	154	46355	2.637	ng/u1	98
50) Acenaphthylene	14.302	152	76739	3.587	ng/u1	97
52) Acenaphthene	14.643	153	200301	12.510	ng/u1	98
56) Dibenzofuran	14.971	168	157436	6.990	ng/u1	98
61) Fluorene	15.624	166	186161	10.487	ng/u1	99
72) Phenanthrene	17.362	178	1299636	44.035	ng/u1	98
74) Anthracene	17.450	178	538602	17.815	ng/u1	99
77) Carbazole	17.715	167	56324	2.218	ng/u1	99
80) Fluoranthene	19.371	202	1850039	55.094	ng/u1	98
82) Pyrene	19.730	202	1396985	38.598	ng/u1	99
83) Butylbenzylphthalate	20.623	149	34324	2.815	ng/u1	98
85) Benzo(a)anthracene	21.539	228	834744m	22.408	ng/u1	
87) Chrysene	21.604	228	722643	20.462	ng/u1	95
90) Benzo(b)fluoranthene	23.677	252	840523	22.957	ng/u1	97
91) Benzo(k)fluoranthene	23.730	252	299147m	8.095	ng/u1	
93) Benzo(a)pyrene	24.506	252	433948	12.572	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.136	276	320786	7.312	ng/u1	99
95) Dibenzo(a,h)anthracene	28.171	278	90887	2.556	ng/u1	96
96) Benzo(g,h,i)perylene	29.217	276	41050	1.217	ng/u1	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
Data File : BG062414.D
Acq On : 15 Aug 2024 13:56
Operator : MA/JU
Sample : P3481-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E0AF2

Manual Integrations
APPROVED

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

Quant Time: Aug 15 23:39:21 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)

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

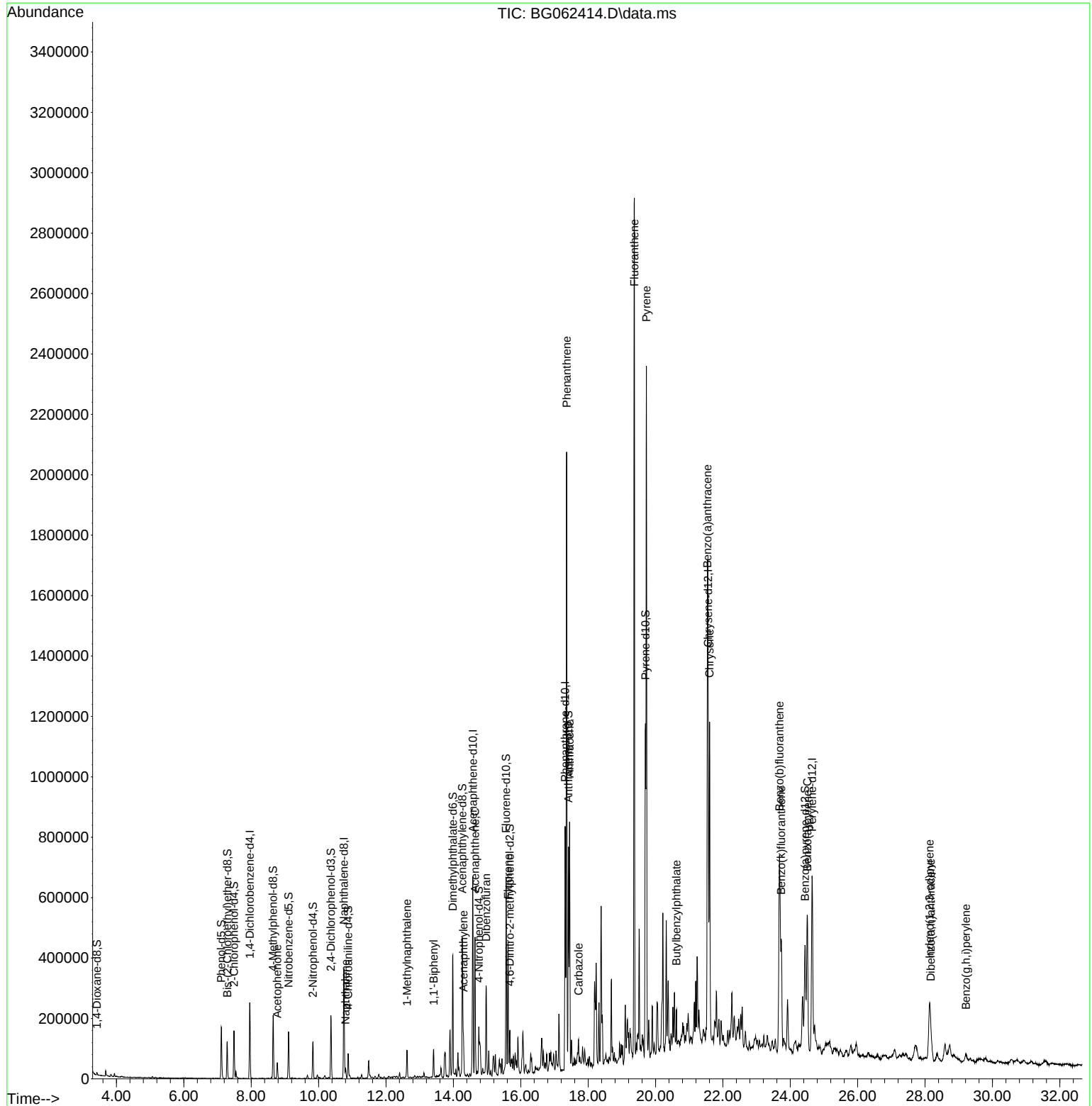
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
Data File : BG062414.D
Acq On : 15 Aug 2024 13:56
Operator : MA/JU
Sample : P3481-17
Misc :
ALS Vial : 9 Sample Multiplier: 1

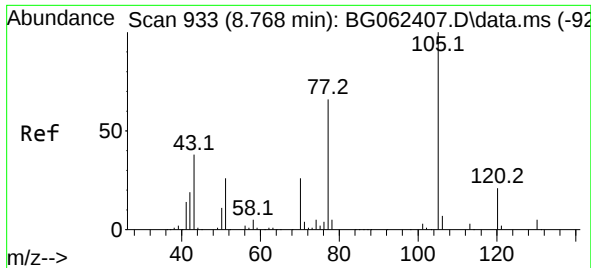
Instrument :
BNA_G
ClientSampleId :
E0AF2

Manual Integrations
APPROVED

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

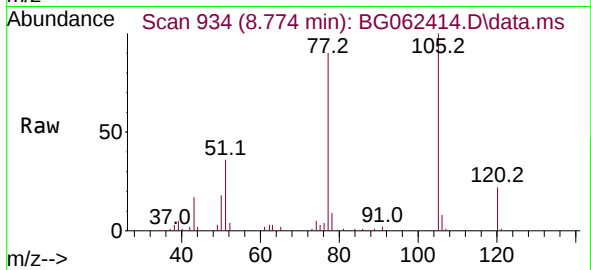
Quant Time: Aug 15 23:39:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 15:31:21 2024
Response via : Initial Calibration





#16
Acetophenone
Concen: 3.107 ng/ul
RT: 8.774 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

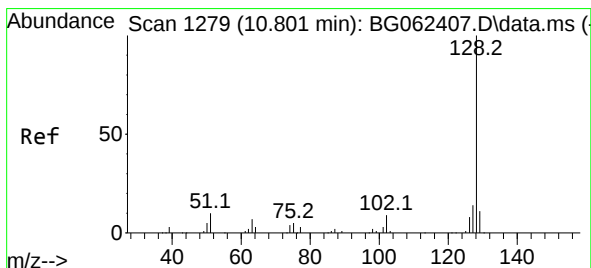
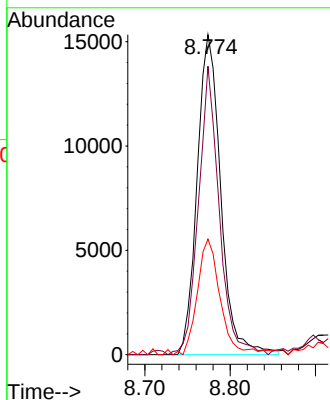
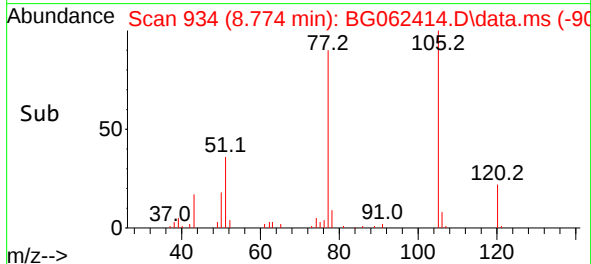
Instrument :
BNA_G
ClientSampleId :
E0AF2



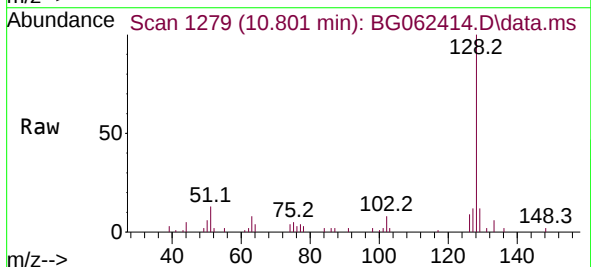
Tgt Ion:105 Resp: 2946
Ion Ratio Lower Upper
105 100
77 90.2 64.6 97.0
51 36.1 27.8 41.8

Manual Integrations
APPROVED

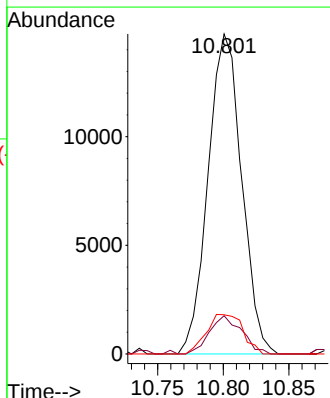
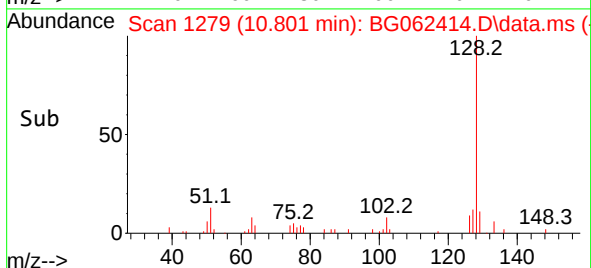
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

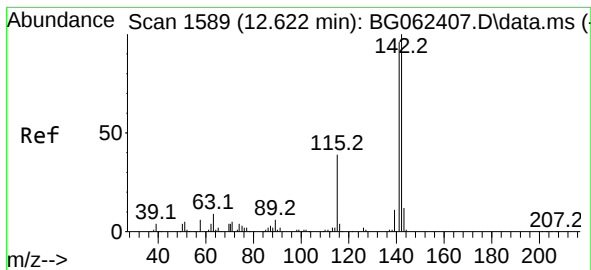


#30
Naphthalene
Concen: 1.493 ng/ul
RT: 10.801 min Scan# 1279
Delta R.T. -0.002 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56



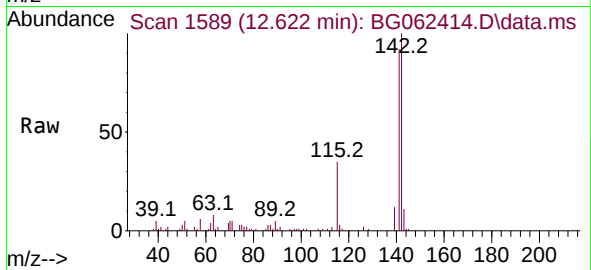
Tgt Ion:128 Resp: 26189
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 12.2 10.8 16.2





#37
1-Methylnaphthalene
Concen: 3.362 ng/ul
RT: 12.622 min Scan# 1589
Delta R.T. -0.007 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

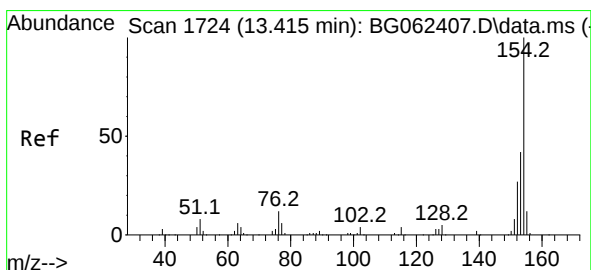
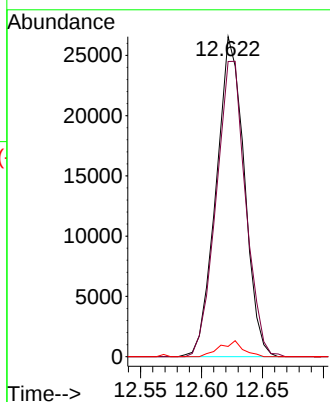
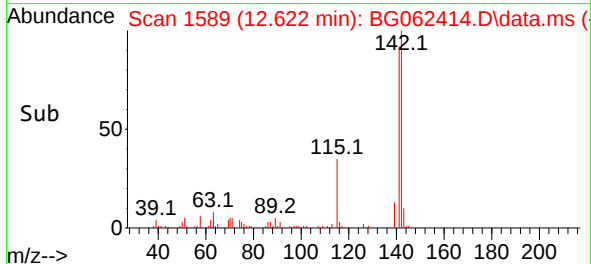
Instrument :
BNA_G
ClientSampleId :
E0AF2



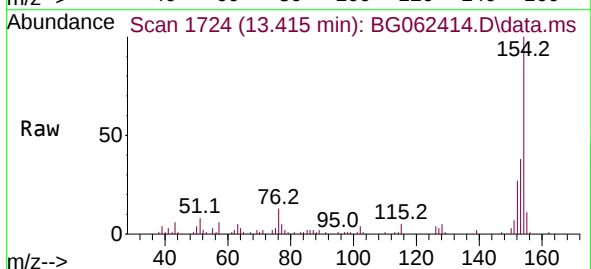
Tgt Ion:142 Resp: 4249
Ion Ratio Lower Upper
142 100
141 92.2 74.3 111.5
116 3.2 3.2 4.8

Manual Integrations
APPROVED

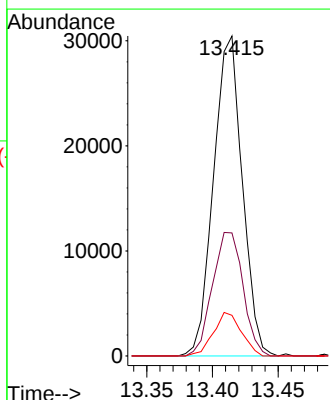
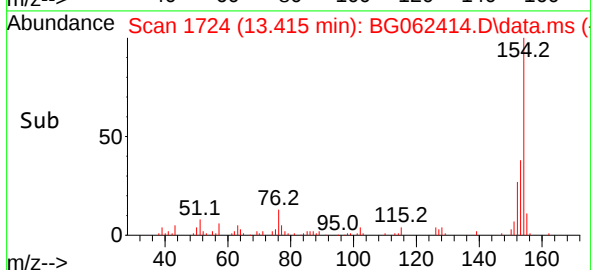
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

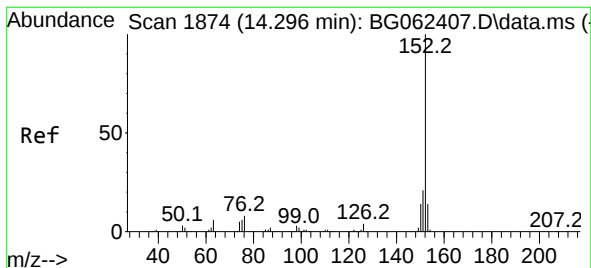


#43
1,1'-Biphenyl
Concen: 2.637 ng/ul
RT: 13.415 min Scan# 1724
Delta R.T. -0.002 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56



Tgt Ion:154 Resp: 46355
Ion Ratio Lower Upper
154 100
153 38.4 31.8 47.8
76 12.7 10.4 15.6





#50

Acenaphthylene

Concen: 3.587 ng/ul

RT: 14.302 min Scan# 1875

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

Instrument :

BNA_G

ClientSampleId :

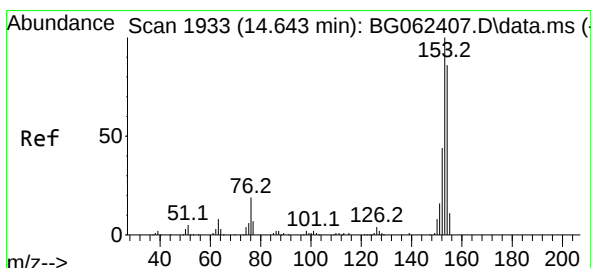
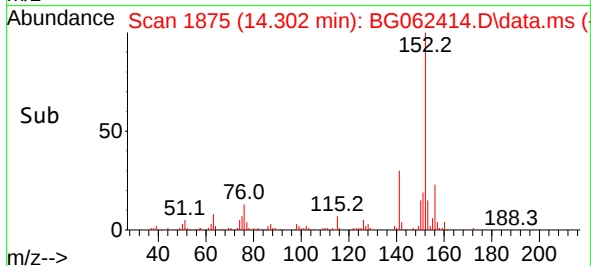
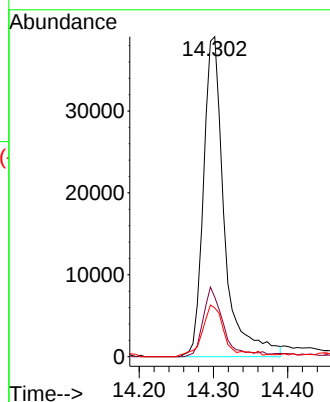
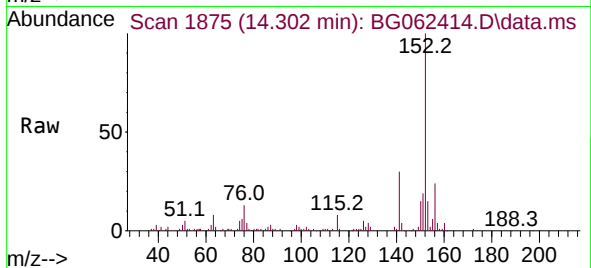
E0AF2

Tgt Ion:	152	Resp:	76739
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.7	23.5
153	15.3	10.7	16.1

Manual Integrations

APPROVED

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



#52

Acenaphthene

Concen: 12.510 ng/ul

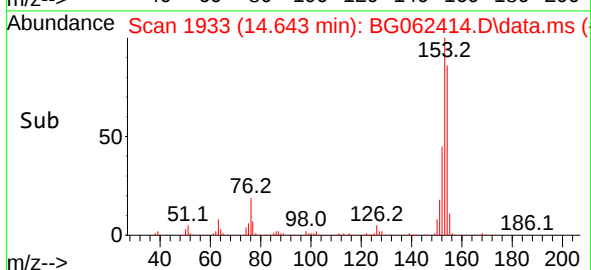
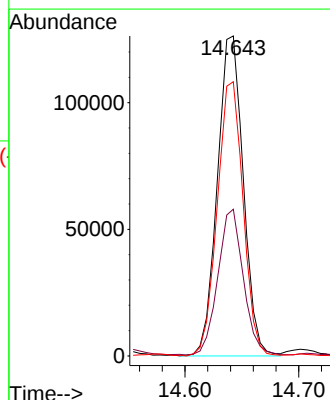
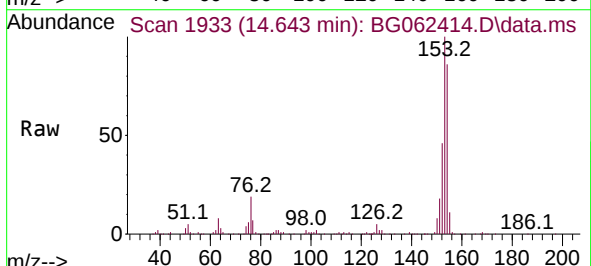
RT: 14.643 min Scan# 1933

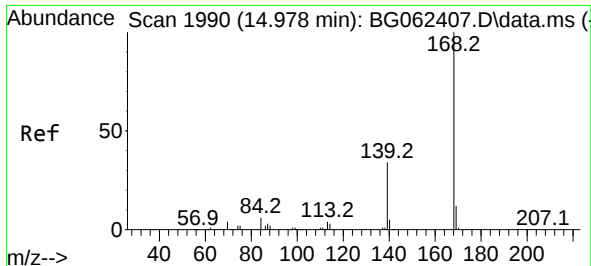
Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

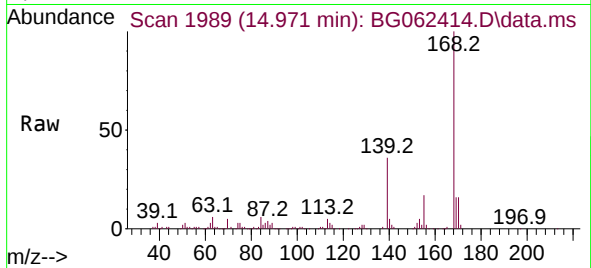
Tgt Ion:	153	Resp:	200301
Ion Ratio	Lower	Upper	
153	100		
152	45.9	35.7	53.5
154	85.7	66.7	100.1





#56
Dibenzenofuran
Concen: 6.990 ng/ul
RT: 14.971 min Scan# 1990
Delta R.T. -0.007 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

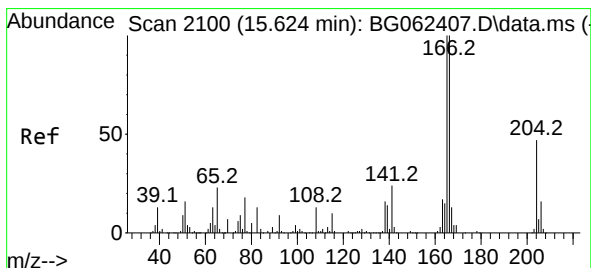
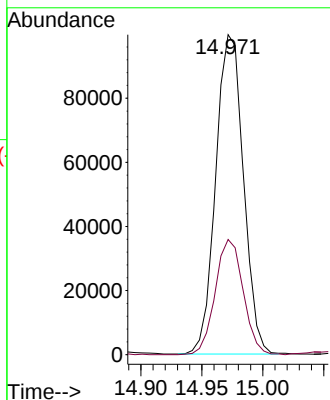
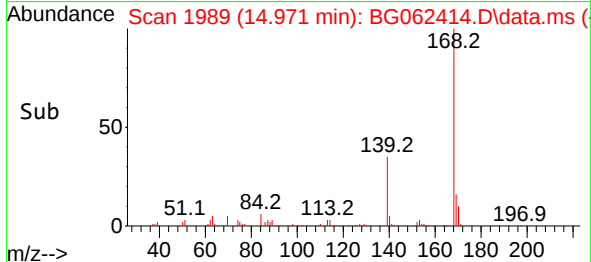
Instrument :
BNA_G
ClientSampleId :
E0AF2



Tgt Ion:168 Resp: 157430
Ion Ratio Lower Upper
168 100
139 36.0 27.8 41.6

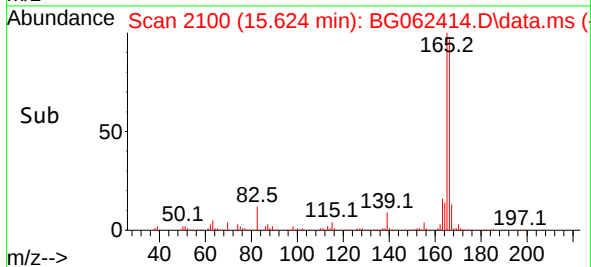
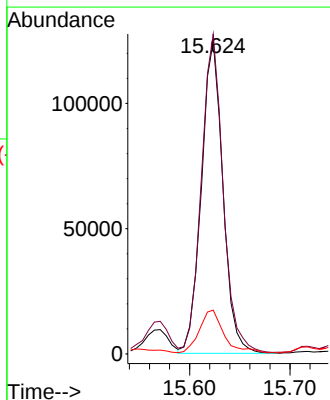
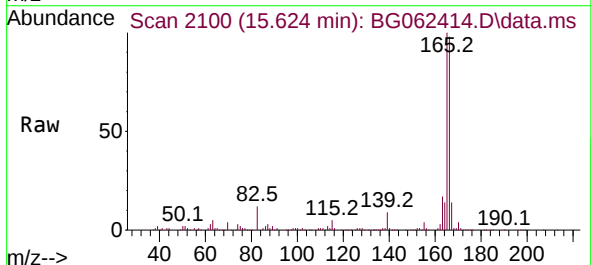
Manual Integrations
APPROVED

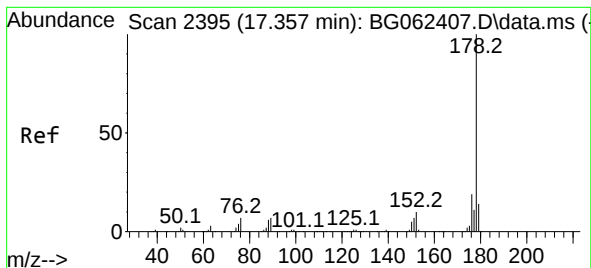
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#61
Fluorene
Concen: 10.487 ng/ul
RT: 15.624 min Scan# 2100
Delta R.T. -0.002 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

Tgt Ion:166 Resp: 186161
Ion Ratio Lower Upper
166 100
165 102.3 81.0 121.6
167 14.0 10.6 16.0





#72

Phenanthrene

Concen: 44.035 ng/u1

RT: 17.362 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

Instrument :

BNA_G

ClientSampleId :

E0AF2

Tgt Ion:178 Resp: 1299630

Ion Ratio Lower Upper

178 100

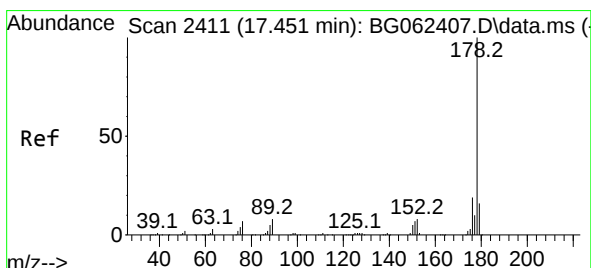
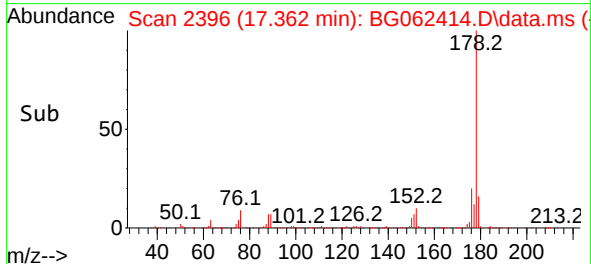
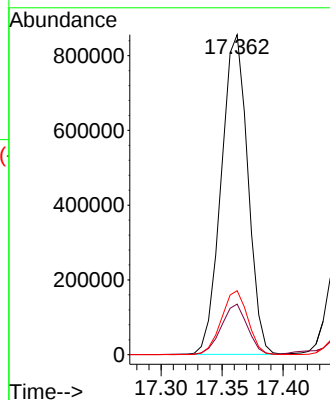
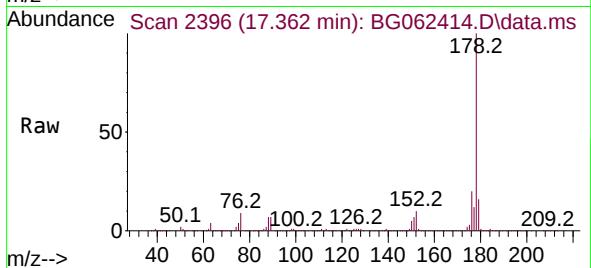
179 15.8 12.4 18.6

176 20.0 15.2 22.8

Manual Integrations

APPROVED

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



#74

Anthracene

Concen: 17.815 ng/u1

RT: 17.450 min Scan# 2411

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

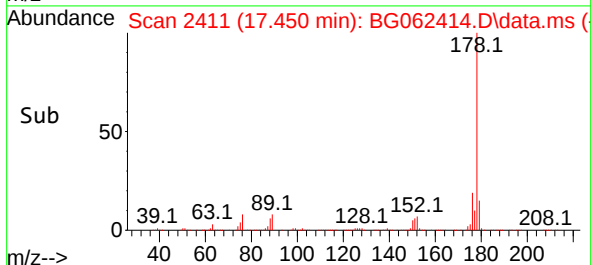
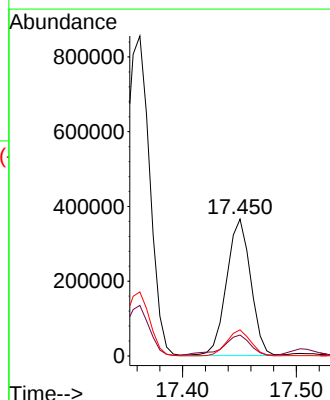
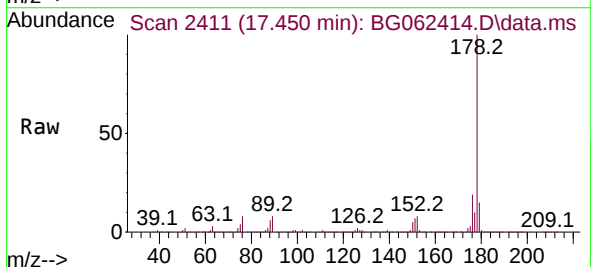
Tgt Ion:178 Resp: 538602

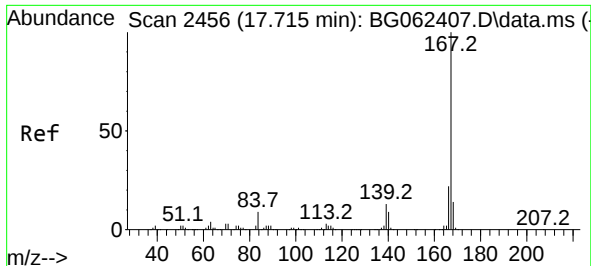
Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.2

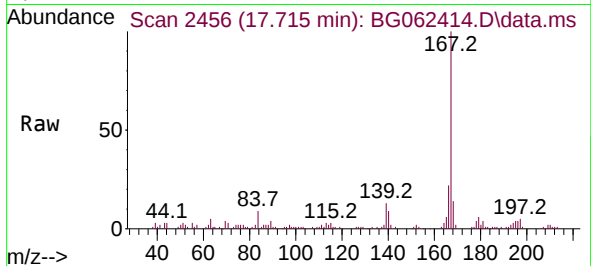
176 19.0 14.9 22.3





#77
 Carbazole
 Concen: 2.218 ng/ul
 RT: 17.715 min Scan# 2456
 Delta R.T. -0.002 min
 Lab File: BG062414.D
 Acq: 15 Aug 2024 13:56

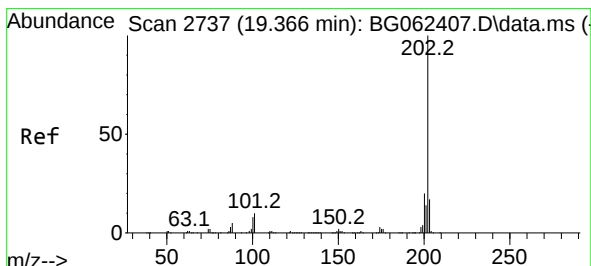
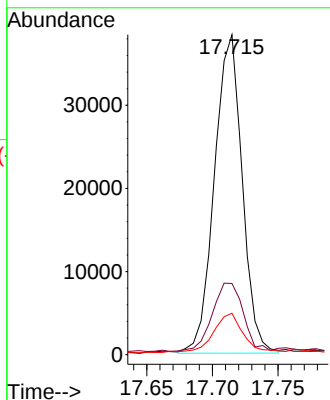
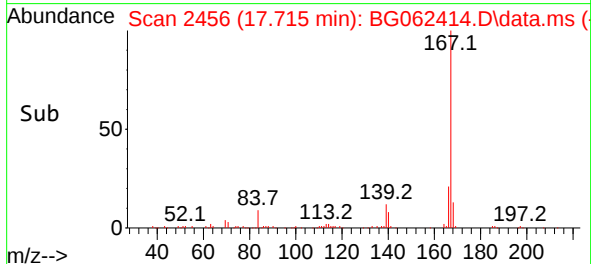
Instrument :
 BNA_G
 ClientSampleId :
 E0AF2



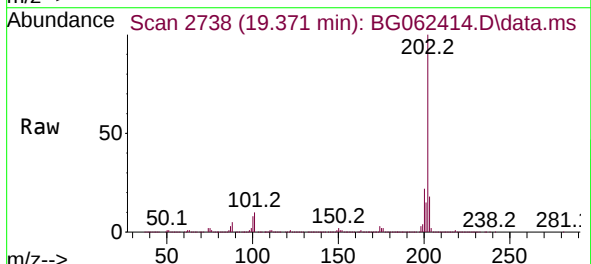
Tgt Ion:167 Resp: 56324
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.4 27.6
 139 13.0 10.6 15.8

Manual Integrations
 APPROVED

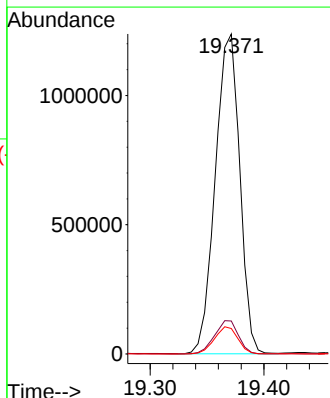
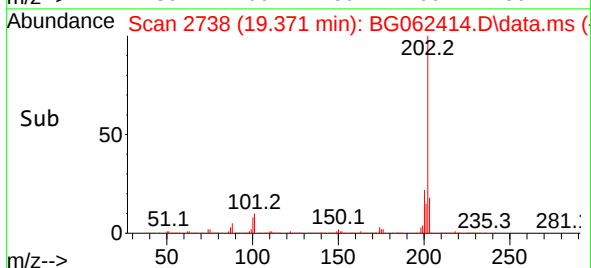
Reviewed By :Jagrut Upadhyay 08/16/2024
 Supervised By :mohammad ahmed 08/17/2024

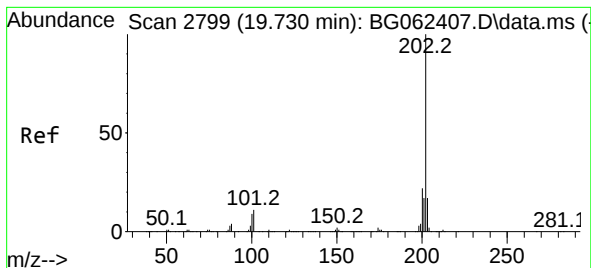


#80
 Fluoranthene
 Concen: 55.094 ng/ul
 RT: 19.371 min Scan# 2738
 Delta R.T. 0.004 min
 Lab File: BG062414.D
 Acq: 15 Aug 2024 13:56



Tgt Ion:202 Resp: 1850039
 Ion Ratio Lower Upper
 202 100
 101 10.3 7.6 11.4
 100 8.0 6.2 9.2





#82

Pyrene

Concen: 38.598 ng/u1

RT: 19.730 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

Instrument :

BNA_G

ClientSampleId :

E0AF2

Tgt Ion:202 Resp: 139698

Ion Ratio Lower Upper

202 100

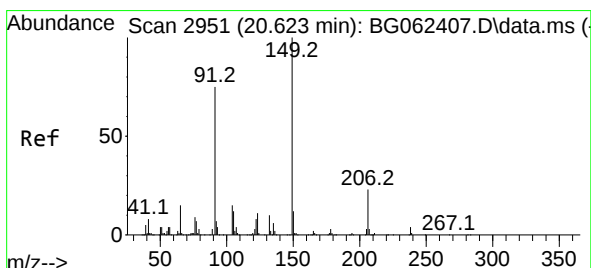
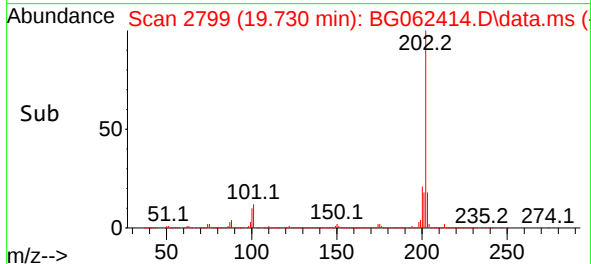
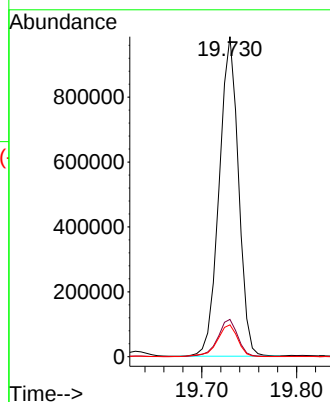
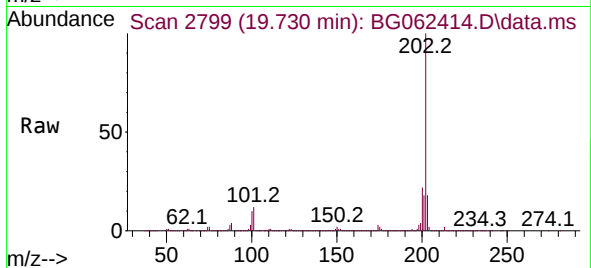
101 11.7 9.0 13.6

100 10.0 8.2 12.4

Manual Integrations

APPROVED

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



#83

Butylbenzylphthalate

Concen: 2.815 ng/u1

RT: 20.623 min Scan# 2951

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

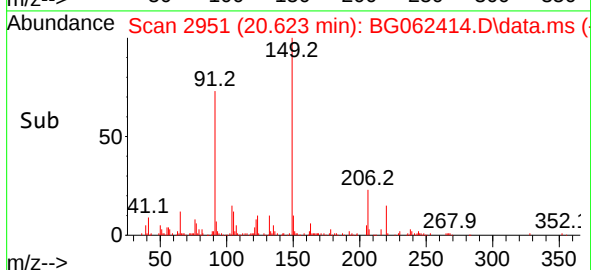
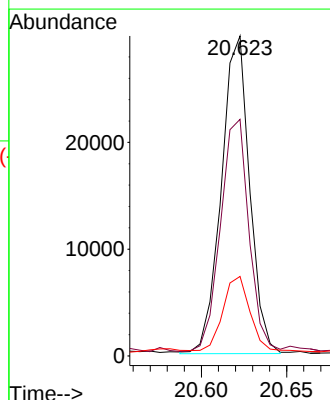
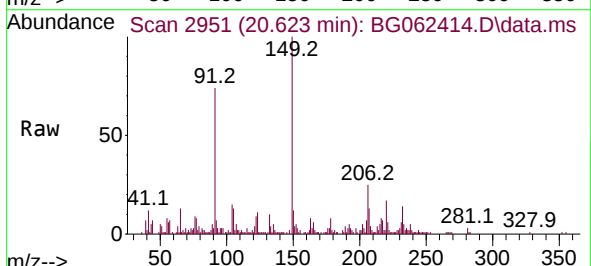
Tgt Ion:149 Resp: 34324

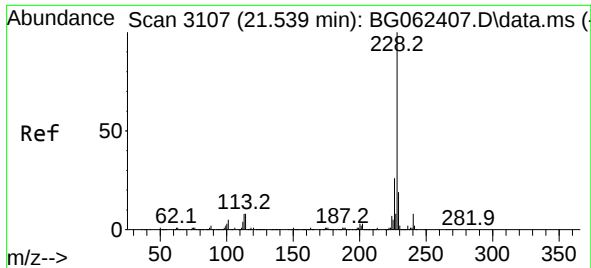
Ion Ratio Lower Upper

149 100

91 74.0 58.5 87.7

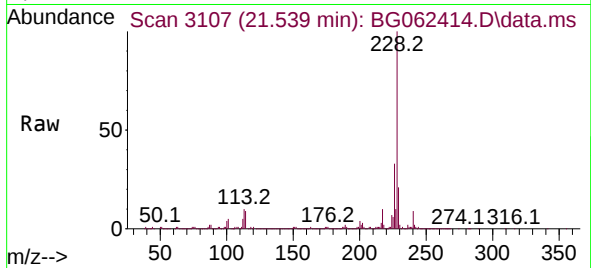
206 24.9 17.5 26.3





#85
Benzo(a)anthracene
Concen: 22.408 ng/ul m
RT: 21.539 min Scan# 3107
Delta R.T. -0.007 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

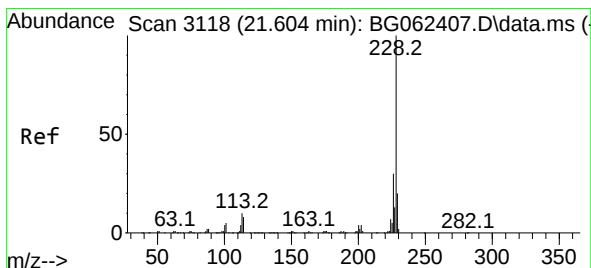
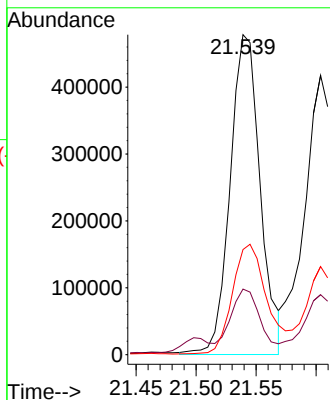
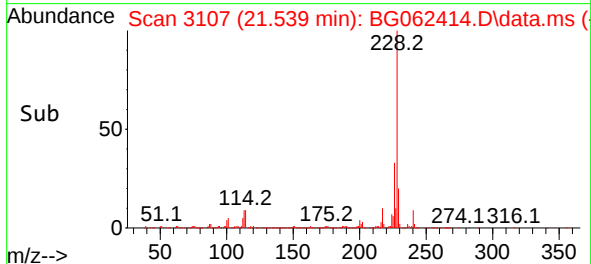
Instrument :
BNA_G
ClientSampleId :
E0AF2



Tgt Ion:228 Resp: 834744
Ion Ratio Lower Upper
228 100
229 20.5 16.2 24.4
226 32.8 21.5 32.3

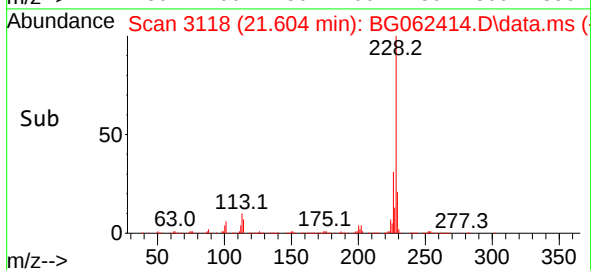
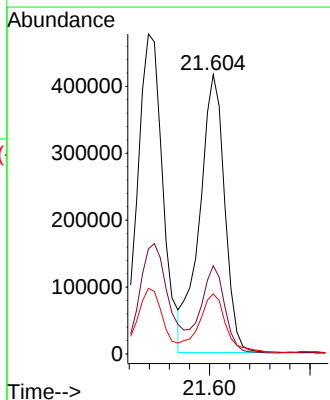
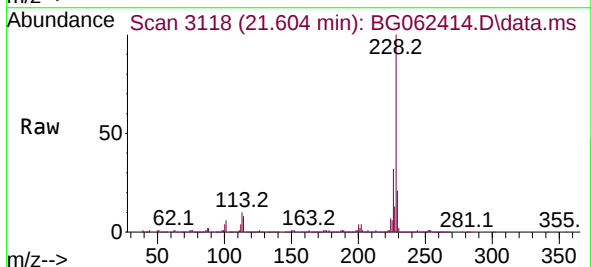
Manual Integrations
APPROVED

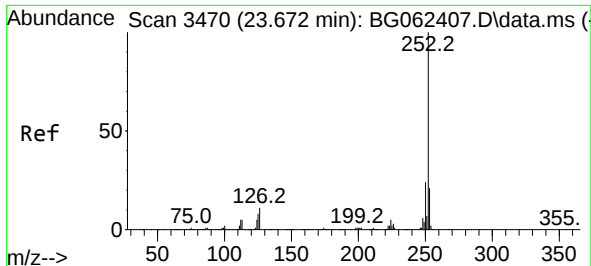
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#87
Chrysene
Concen: 20.462 ng/ul
RT: 21.604 min Scan# 3118
Delta R.T. -0.007 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

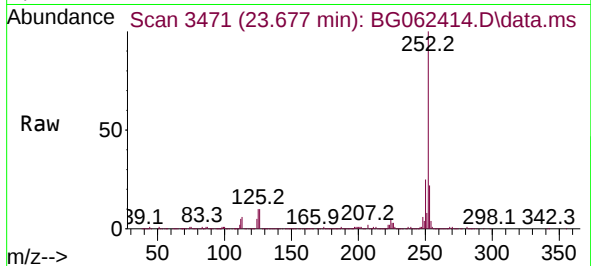
Tgt Ion:228 Resp: 722643
Ion Ratio Lower Upper
228 100
226 31.6 23.4 35.2
229 21.5 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 22.957 ng/ul
RT: 23.677 min Scan# 3470
Delta R.T. -0.002 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

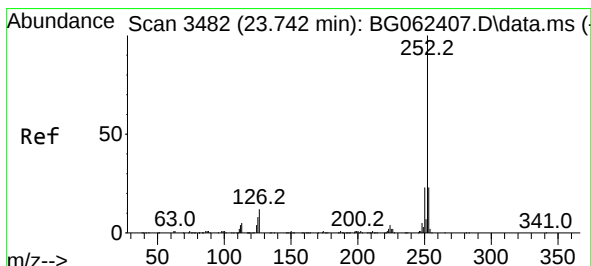
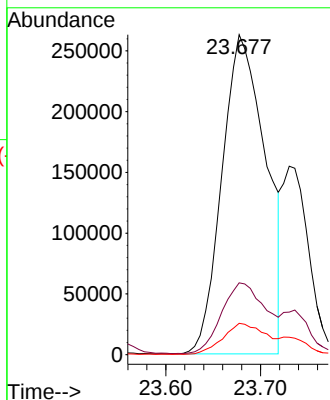
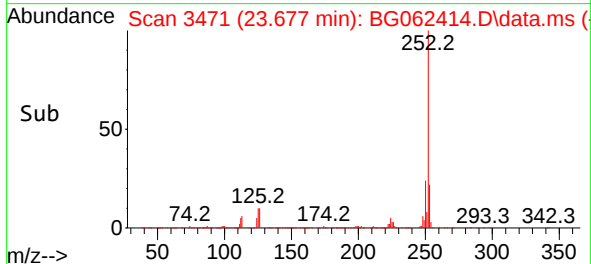
Instrument :
BNA_G
ClientSampleId :
E0AF2



Tgt Ion:252 Resp: 84052
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 9.8 7.0 10.4

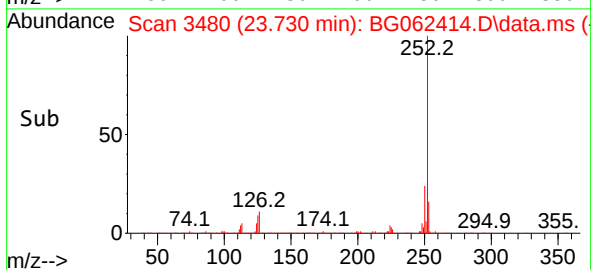
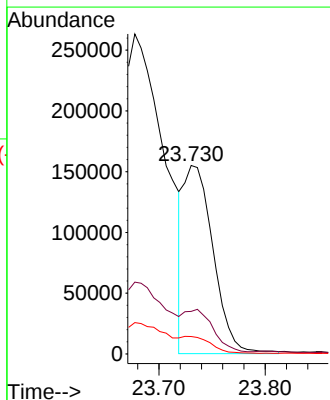
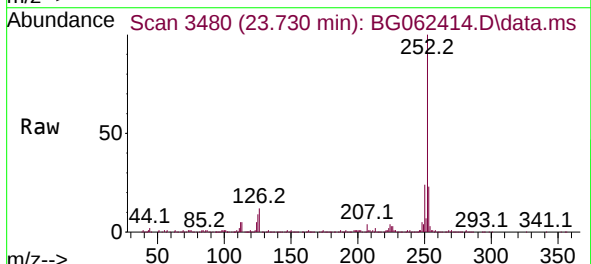
Manual Integrations
APPROVED

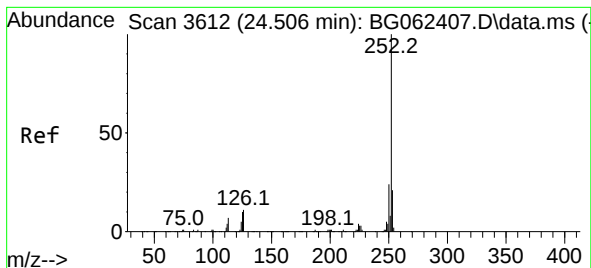
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#91
Benzo(k)fluoranthene
Concen: 8.095 ng/ul m
RT: 23.730 min Scan# 3480
Delta R.T. -0.013 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

Tgt Ion:252 Resp: 299147
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 9.3 6.8 10.2





#93

Benzo(a)pyrene

Concen: 12.572 ng/ul

RT: 24.506 min Scan# 3

Delta R.T. -0.002 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

Instrument :

BNA_G

ClientSampleId :

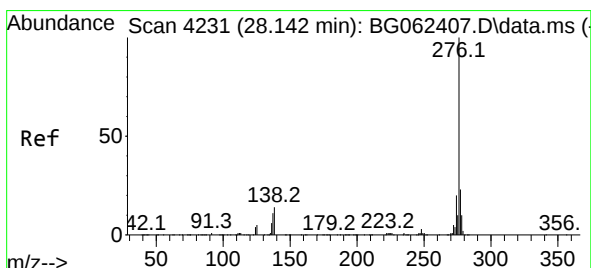
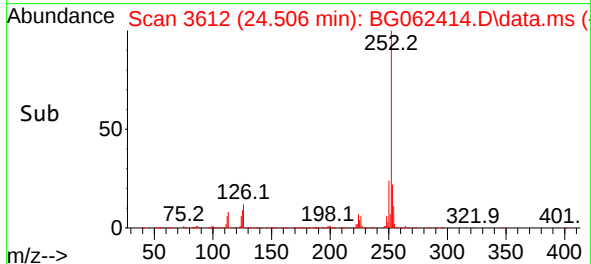
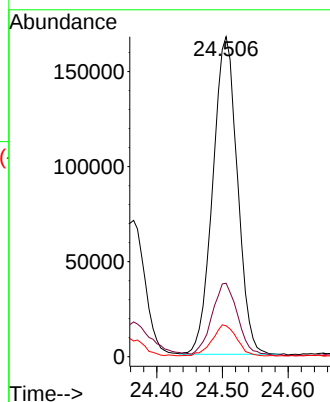
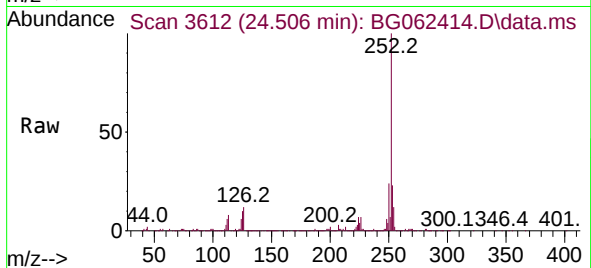
E0AF2

Tgt Ion:252 Resp: 433948
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.8
 125 9.6 7.6 11.4

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 7.312 ng/ul

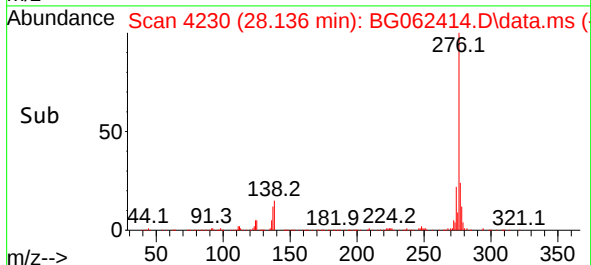
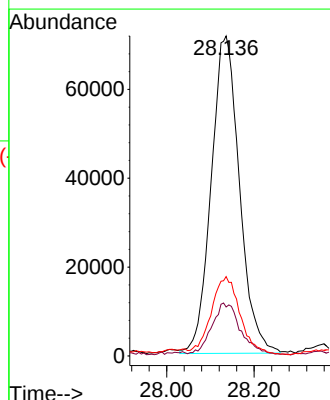
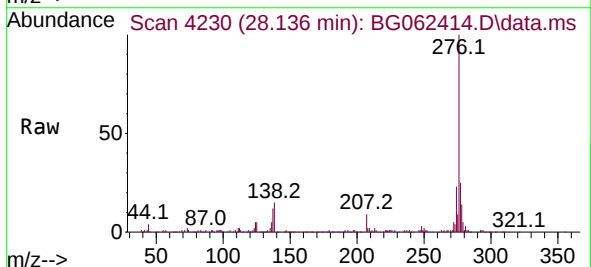
RT: 28.136 min Scan# 4230

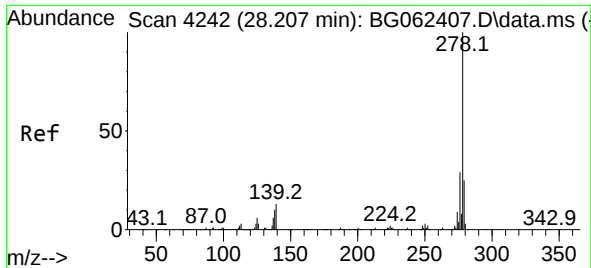
Delta R.T. -0.013 min

Lab File: BG062414.D

Acq: 15 Aug 2024 13:56

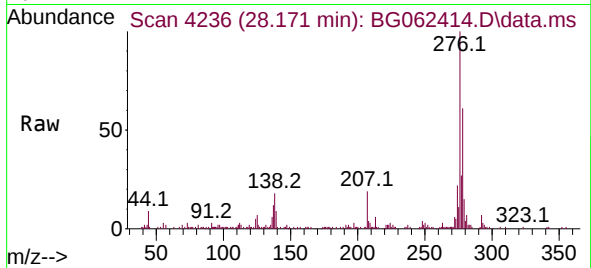
Tgt Ion:276 Resp: 320786
 Ion Ratio Lower Upper
 276 100
 138 15.3 11.8 17.8
 277 24.8 19.2 28.8





#95
Dibenzo(a,h)anthracene
Concen: 2.556 ng/ul
RT: 28.171 min Scan# 41
Delta R.T. -0.037 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56

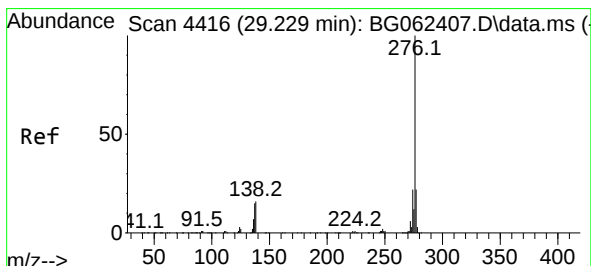
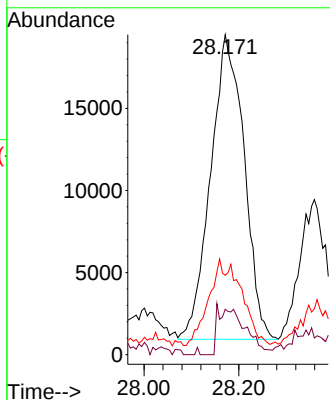
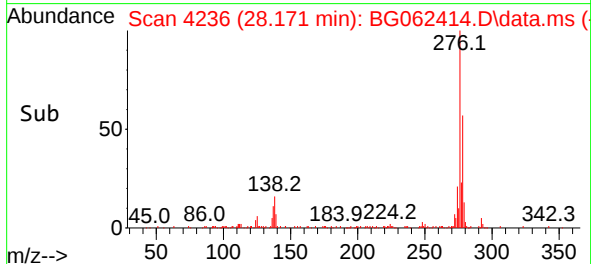
Instrument :
BNA_G
ClientSampleId :
E0AF2



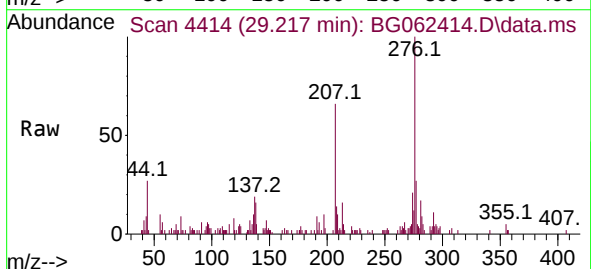
Tgt Ion:278 Resp: 9088
Ion Ratio Lower Upper
278 100
139 14.2 9.8 14.6
279 24.8 18.7 28.1

Manual Integrations
APPROVED

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



#96
Benzo(g,h,i)perylene
Concen: 1.217 ng/ul
RT: 29.217 min Scan# 4414
Delta R.T. -0.019 min
Lab File: BG062414.D
Acq: 15 Aug 2024 13:56



Tgt Ion:276 Resp: 41050
Ion Ratio Lower Upper
276 100
138 16.1 12.6 19.0
277 26.6 19.5 29.3

