

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
 Data File : BG062409.D
 Acq On : 15 Aug 2024 10:33
 Operator : MA/JU
 Sample : P3481-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E0AE9

Manual Integrations
 APPROVED

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

Quant Time: Aug 15 11:10:06 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	56532	20.000	ng/u1	0.00
20) Naphthalene-d8	10.754	136	265912	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.578	164	208141	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.321	188	484460	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	462865	20.000	ng/u1	0.00
88) Perylene-d12	24.652	264	548451	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.417	96	1621	1.089	ng/uL	0.00
4) Pyridine-d5	3.828	84	3811	0.840	ng/u1	0.00
7) Phenol-d5	7.112	99	40379	7.180	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.282	67	27436	7.745	ng/u1	0.00
11) 2-Chlorophenol-d4	7.487	132	29985	7.805	ng/u1	0.00
15) 4-Methylphenol-d8	8.651	113	32875	6.974	ng/u1	0.00
21) Nitrobenzene-d5	9.109	128	14871	8.721	ng/u1	0.00
24) 2-Nitrophenol-d4	9.831	143	15501	9.138	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.366	165	34561	7.999	ng/u1	0.00
31) 4-Chloroaniline-d4	10.877	131	97639	14.250	ng/u1	0.00
46) Dimethylphthalate-d6	13.985	166	135047	8.341	ng/u1	0.00
49) Acenaphthylene-d8	14.267	160	149375	8.333	ng/u1	0.00
54) 4-Nitrophenol-d4	14.760	143	15261	5.909	ng/u1	0.00
60) Fluorene-d10	15.565	176	130371	8.928	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.676	200	11722	5.325	ng/u1	0.00
73) Anthracene-d10	17.415	188	204741	8.797	ng/u1	0.00
81) Pyrene-d10	19.700	212	235494	8.687	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.441	264	188368	6.472	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.774	105	33142	4.292	ng/u1	95
30) Naphthalene	10.801	128	69819	4.527	ng/u1	98
36) 2-Methylnaphthalene	12.404	142	226031	20.753	ng/u1	99
37) 1-Methylnaphthalene	12.628	142	135993	12.238	ng/u1	100
50) Acenaphthylene	14.302	152	33893	1.766	ng/u1#	83
52) Acenaphthene	14.643	153	329967	22.972	ng/u1	99
56) Dibenzofuran	14.971	168	170980	8.462	ng/u1	94
61) Fluorene	15.624	166	301577	18.936	ng/u1	98
72) Phenanthrene	17.362	178	2218126	81.482	ng/u1	96
74) Anthracene	17.450	178	790245	28.338	ng/u1	99
80) Fluoranthene	19.371	202	2096070	69.215	ng/u1	96
82) Pyrene	19.730	202	1768135	54.170	ng/u1	98
85) Benzo(a)anthracene	21.545	228	1020491m	30.375	ng/u1	
87) Chrysene	21.610	228	805726	25.297	ng/u1	97
90) Benzo(b)fluoranthene	23.683	252	920001	27.768	ng/u1	98
91) Benzo(k)fluoranthene	23.736	252	372245m	11.131	ng/u1	
93) Benzo(a)pyrene	24.506	252	528986	16.936	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.142	276	381756	9.616	ng/u1	99
95) Dibenzo(a,h)anthracene	28.183	278	120620	3.748	ng/u1	95
96) Benzo(g,h,i)perylene	29.217	276	57646	1.888	ng/u1#	96

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

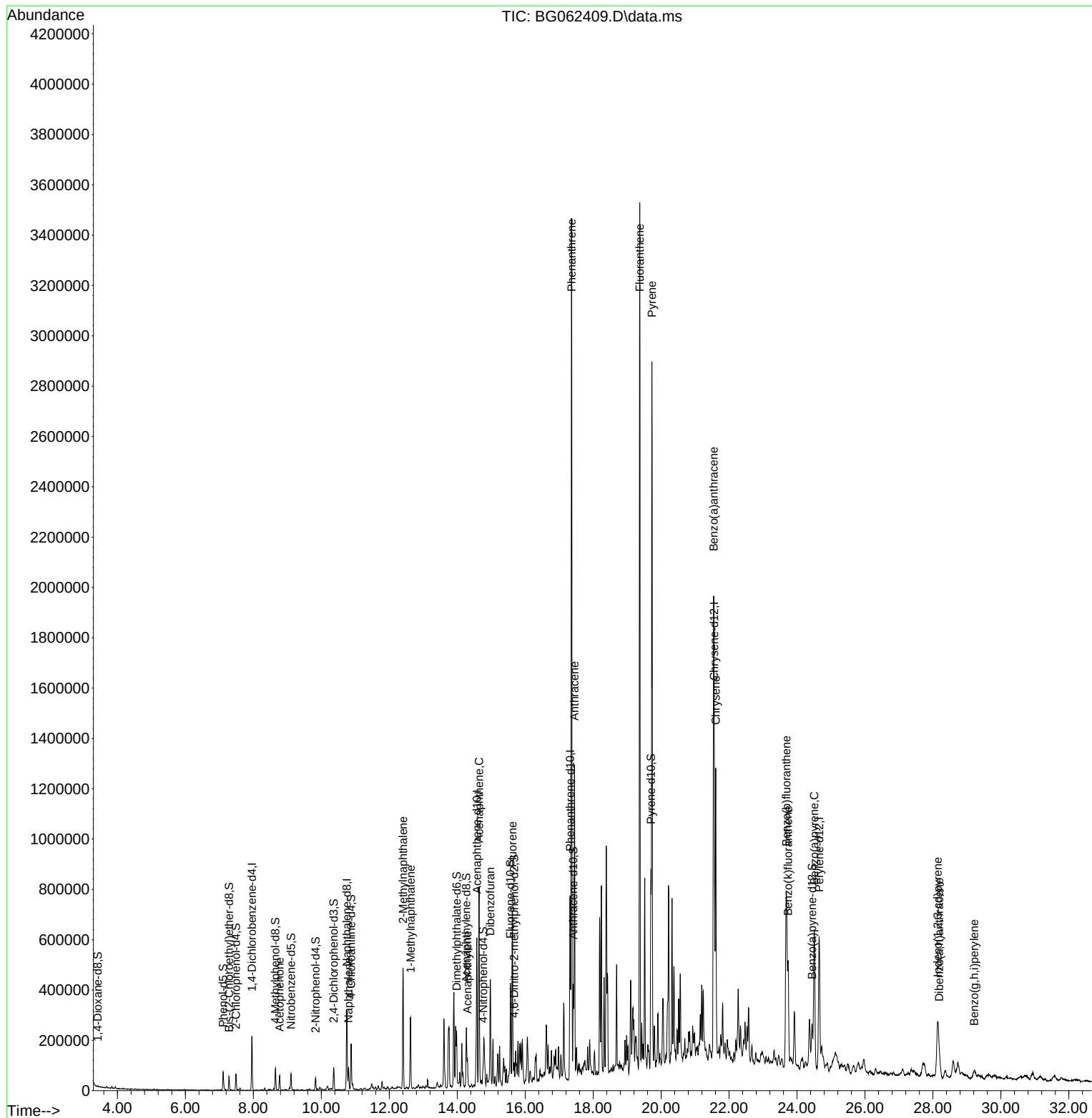
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081524\
Data File : BG062409.D
Acq On : 15 Aug 2024 10:33
Operator : MA/JU
Sample : P3481-07
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ALS Vial : 4 Sample Multiplier: 1

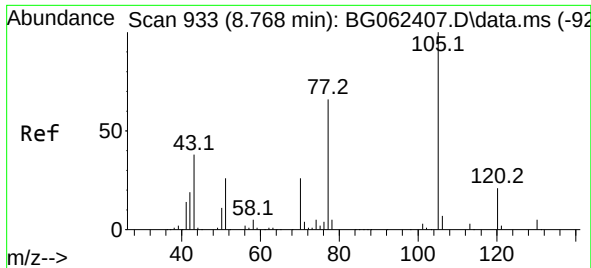
Instrument :
BNA_G
ClientSampleId :
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Supervised By :mohammad ahmed 08/17/2024

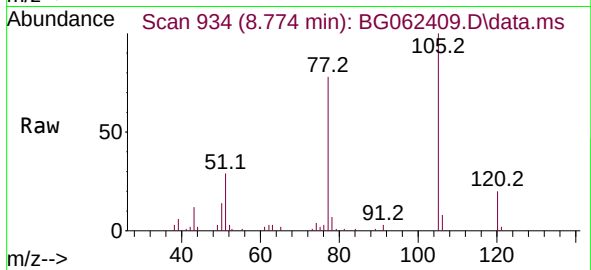
Quant Time: Aug 15 11:10:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG081424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 14 15:31:21 2024
Response via : Initial Calibration





#16
Acetophenone
Concen: 4.292 ng/ul
RT: 8.774 min Scan# 91
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

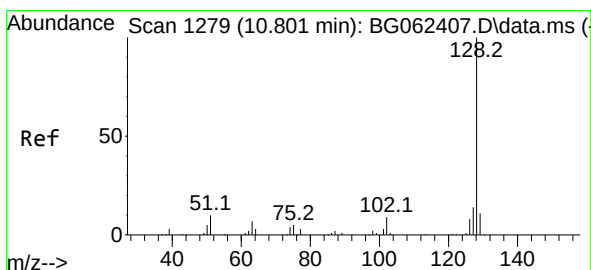
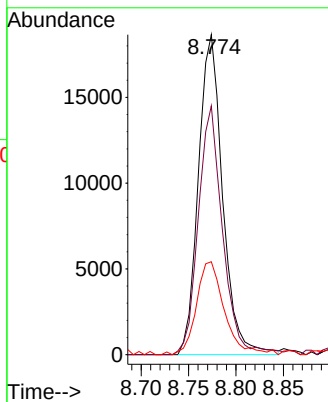
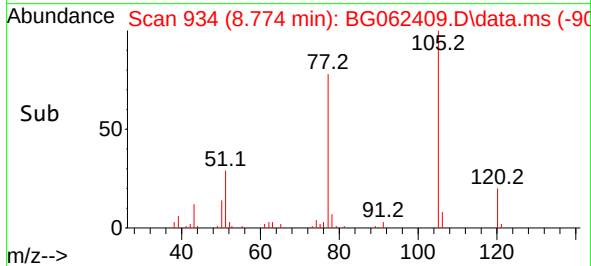
Instrument :
BNA_G
ClientSampleId :
E0AE9



Tgt Ion:105 Resp: 3314
Ion Ratio Lower Upper
105 100
77 77.7 64.6 97.0
51 29.0 27.8 41.8

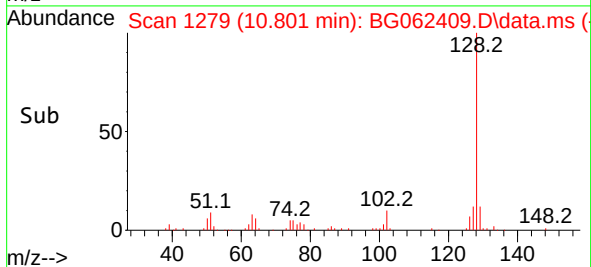
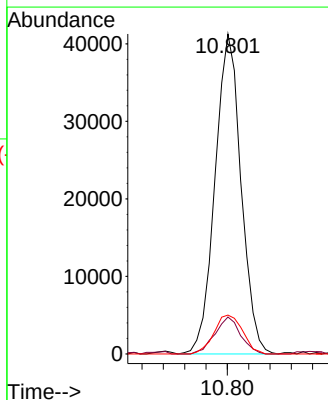
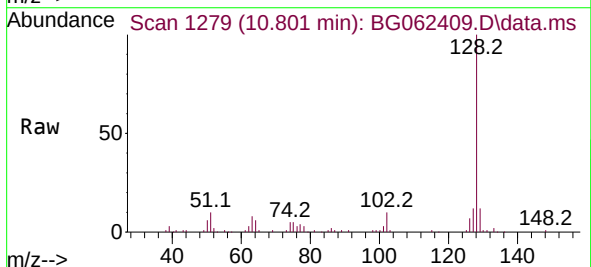
Manual Integrations
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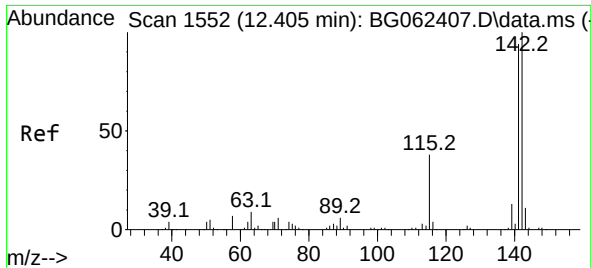
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#30
Naphthalene
Concen: 4.527 ng/ul
RT: 10.801 min Scan# 1279
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

Tgt Ion:128 Resp: 69819
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 12.1 10.8 16.2





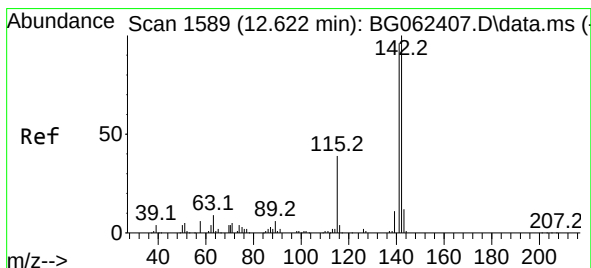
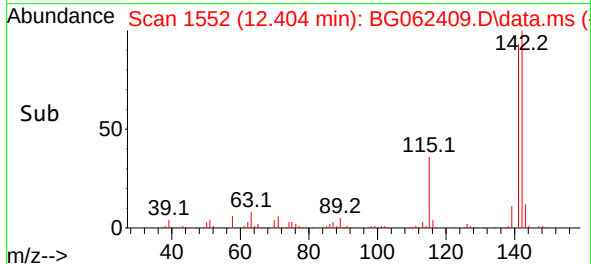
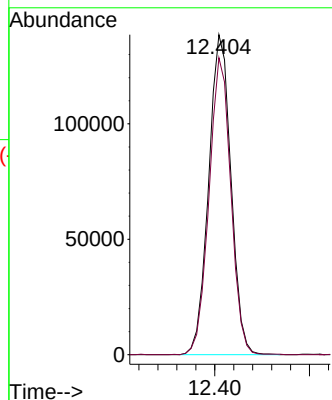
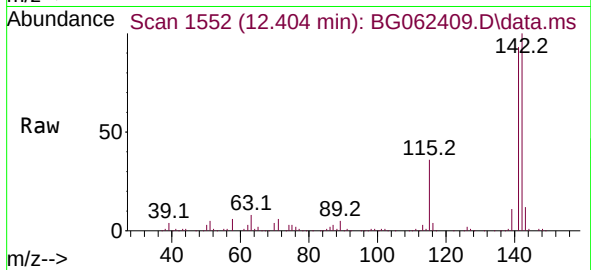
#36
2-Methylnaphthalene
Concen: 20.753 ng/ul
RT: 12.404 min Scan# 1552
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

Instrument :
BNA_G
ClientSampleId :
E0AE9

Tgt Ion:142 Resp: 22603
Ion Ratio Lower Upper
142 100
141 92.8 75.0 112.4

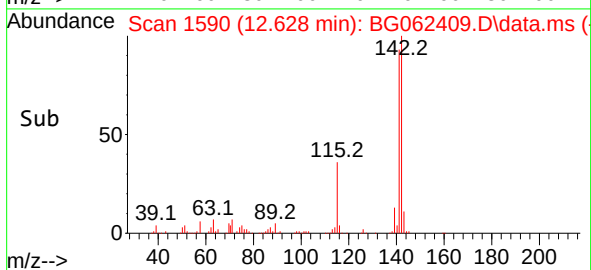
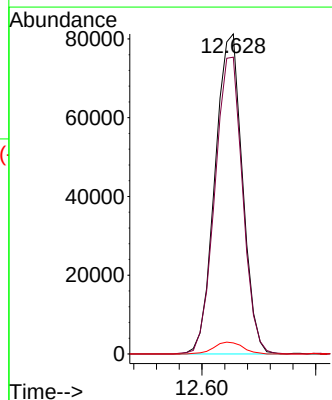
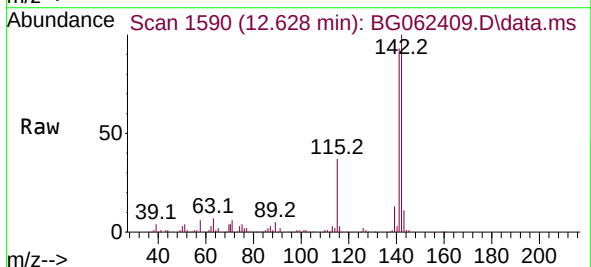
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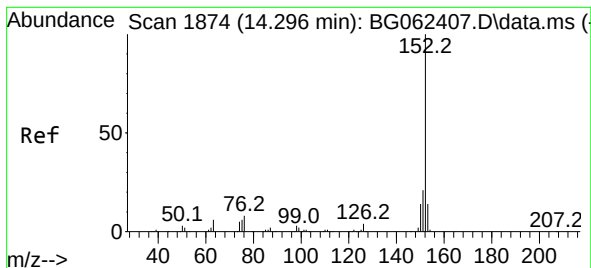
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#37
1-Methylnaphthalene
Concen: 12.238 ng/ul
RT: 12.628 min Scan# 1590
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

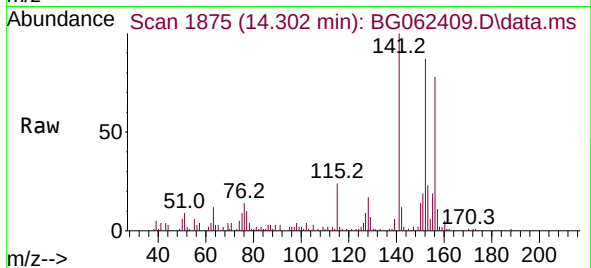
Tgt Ion:142 Resp: 135993
Ion Ratio Lower Upper
142 100
141 92.7 74.3 111.5
116 3.4 3.2 4.8





#50
Acenaphthylene
Concen: 1.766 ng/ul
RT: 14.302 min Scan# 1875
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

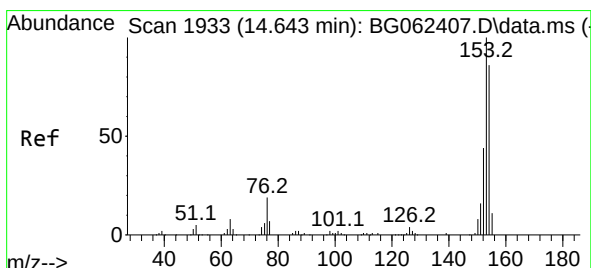
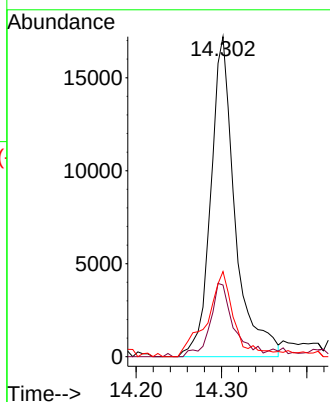
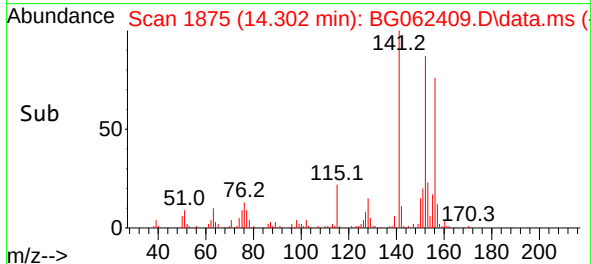
Instrument :
BNA_G
ClientSampleId :
E0AE9



Tgt Ion:152 Resp: 3389
Ion Ratio Lower Upper
152 100
151 22.4 15.7 23.5
153 26.6 10.7 16.1

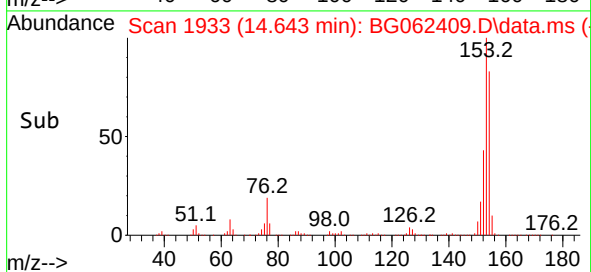
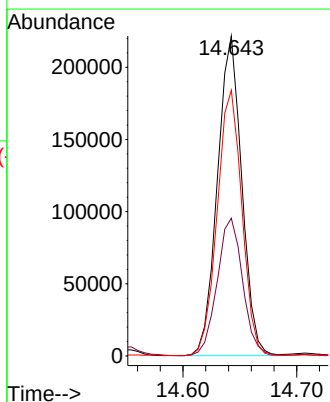
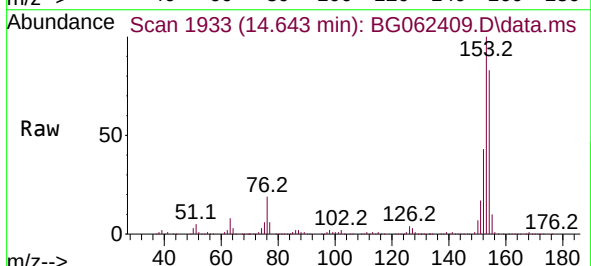
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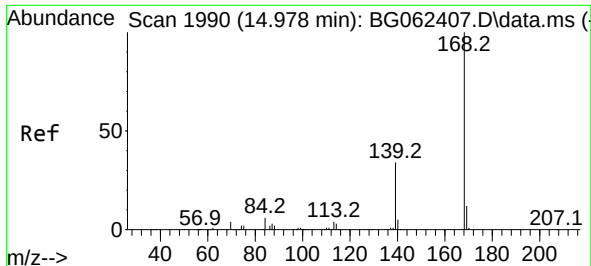
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#52
Acenaphthene
Concen: 22.972 ng/ul
RT: 14.643 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

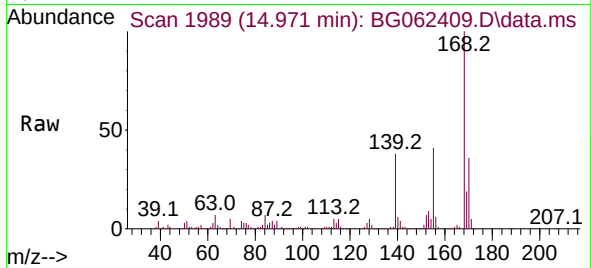
Tgt Ion:153 Resp: 329967
Ion Ratio Lower Upper
153 100
152 43.1 35.7 53.5
154 83.1 66.7 100.1





#56
Dibenzenofuran
Concen: 8.462 ng/ul
RT: 14.971 min Scan# 1990
Delta R.T. -0.007 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

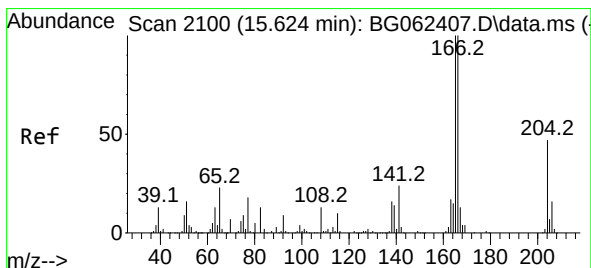
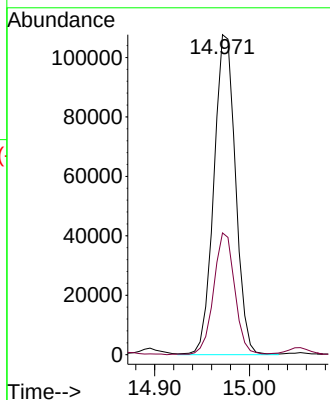
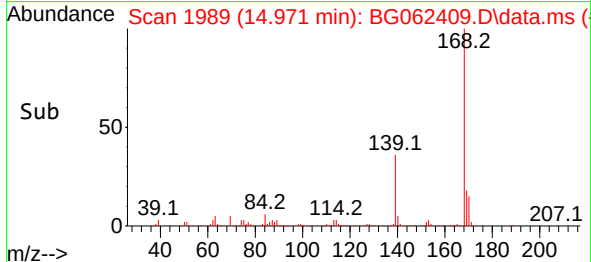
Instrument :
BNA_G
ClientSampleId :
E0AE9



Tgt Ion:168 Resp: 170980
Ion Ratio Lower Upper
168 100
139 38.0 27.8 41.6

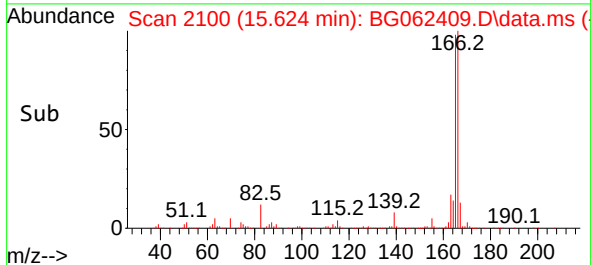
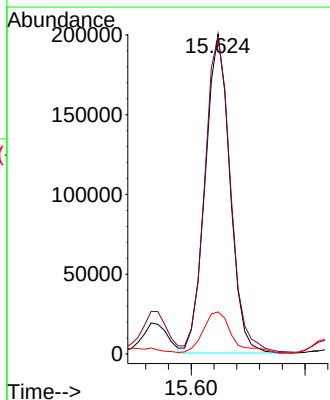
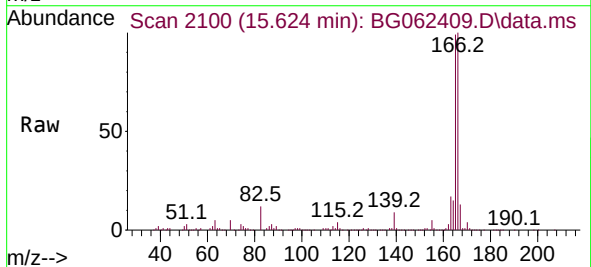
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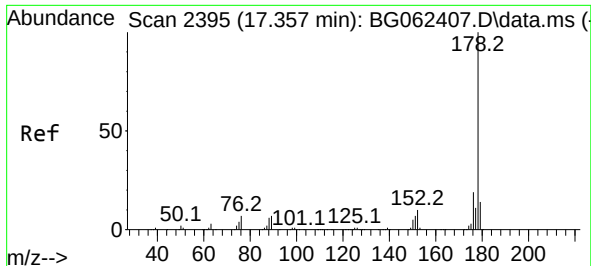
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#61
Fluorene
Concen: 18.936 ng/ul
RT: 15.624 min Scan# 2100
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

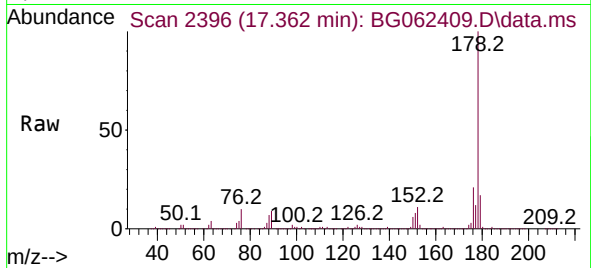
Tgt Ion:166 Resp: 301577
Ion Ratio Lower Upper
166 100
165 99.0 81.0 121.6
167 13.2 10.6 16.0





#72
Phenanthrene
Concen: 81.482 ng/u1
RT: 17.362 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

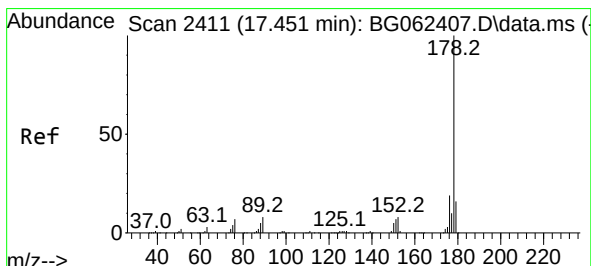
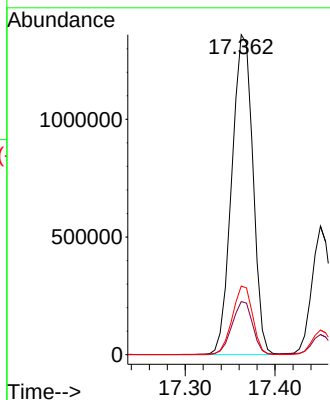
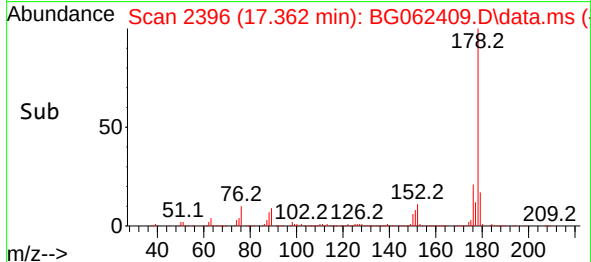
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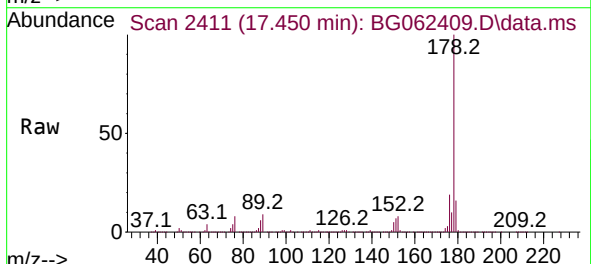
Tgt Ion:178 Resp: 2218120
Ion Ratio Lower Upper
178 100
179 16.6 12.4 18.6
176 21.5 15.2 22.8

Manual Integrations
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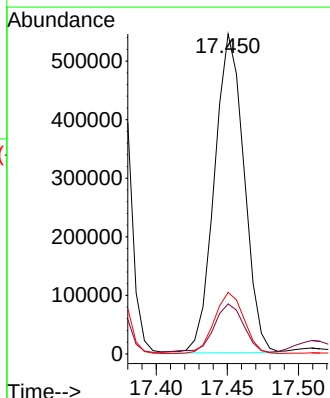
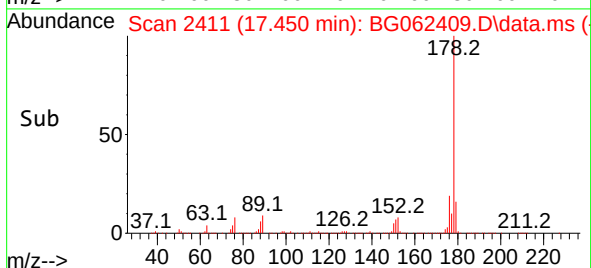
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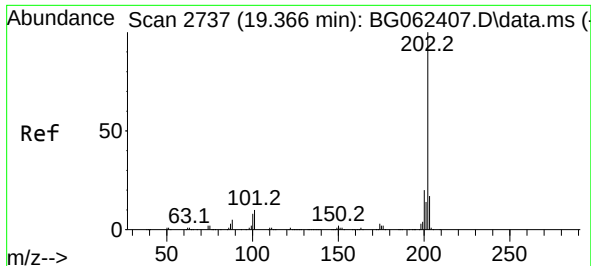


#74
Anthracene
Concen: 28.338 ng/u1
RT: 17.450 min Scan# 2411
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33



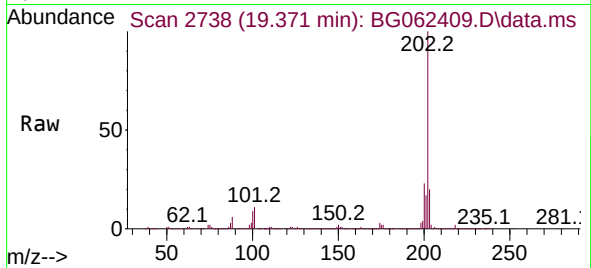
Tgt Ion:178 Resp: 790245
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.2
176 19.2 14.9 22.3





#80
Fluoranthene
Concen: 69.215 ng/u1
RT: 19.371 min Scan# 2738
Delta R.T. 0.004 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

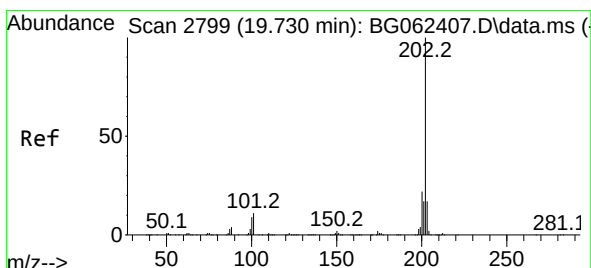
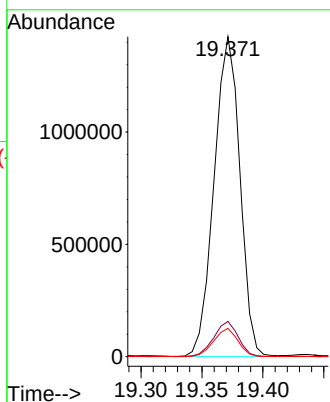
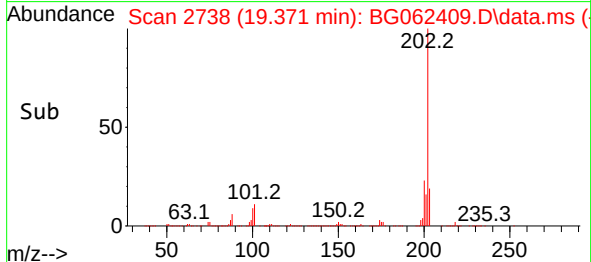
Instrument :
BNA_G
ClientSampleId :
E0AE9



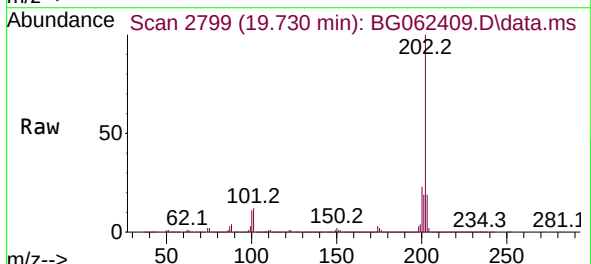
Tgt Ion:202 Resp: 2096070
Ion Ratio Lower Upper
202 100
101 11.0 7.6 11.4
100 8.8 6.2 9.2

Manual Integrations
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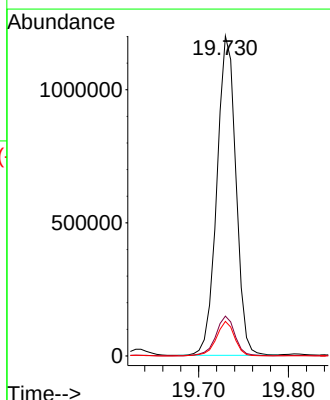
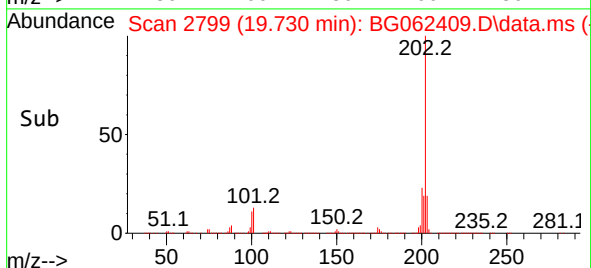
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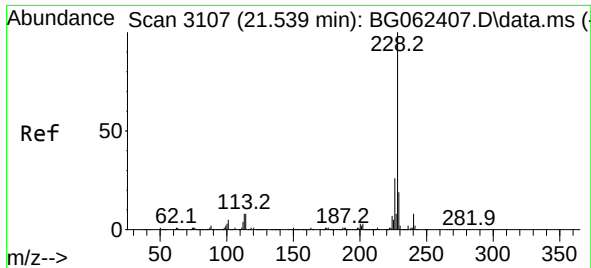


#82
Pyrene
Concen: 54.170 ng/u1
RT: 19.730 min Scan# 2799
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33



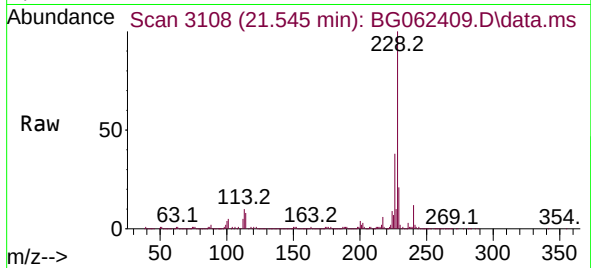
Tgt Ion:202 Resp: 1768135
Ion Ratio Lower Upper
202 100
101 12.5 9.0 13.6
100 10.8 8.2 12.4





#85
Benzo(a)anthracene
Concen: 30.375 ng/ul m
RT: 21.545 min Scan# 3108
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

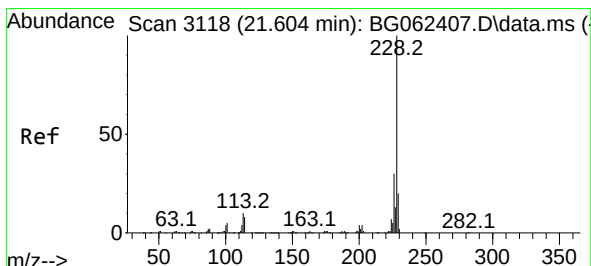
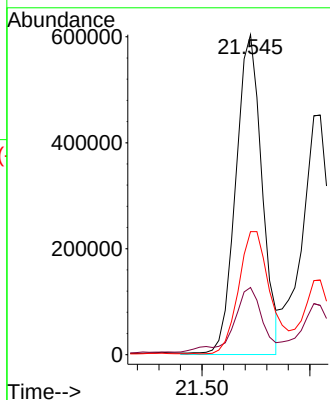
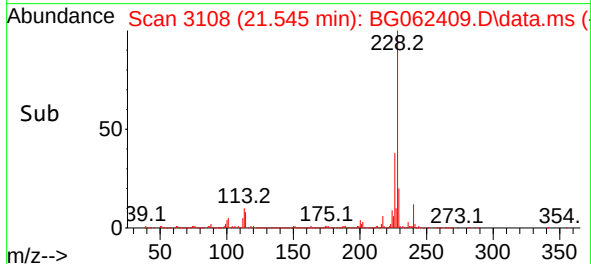
Instrument :
BNA_G
ClientSampleId :
E0AE9



Tgt Ion:228 Resp: 102049
Ion Ratio Lower Upper
228 100
229 21.0 16.2 24.4
226 38.4 21.5 32.3

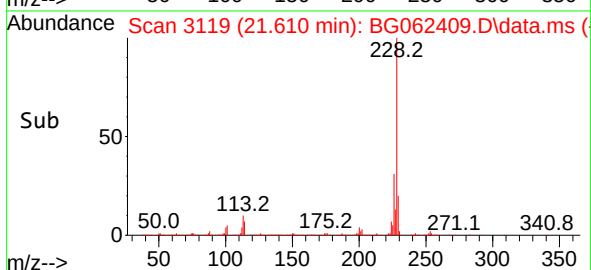
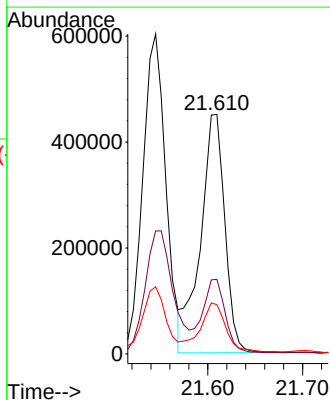
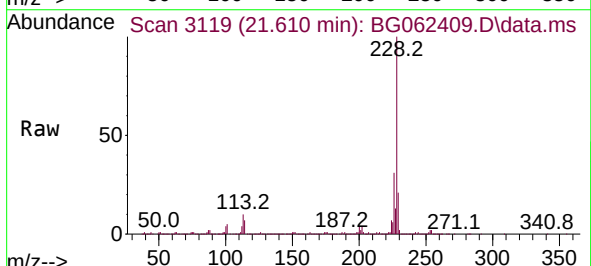
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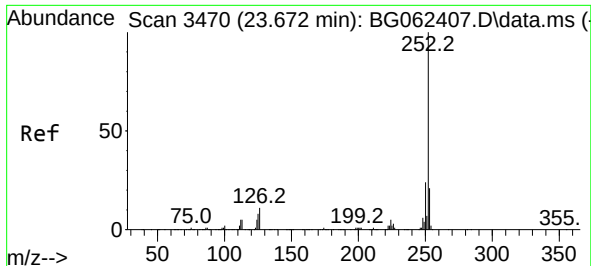
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024



#87
Chrysene
Concen: 25.297 ng/ul
RT: 21.610 min Scan# 3119
Delta R.T. -0.002 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

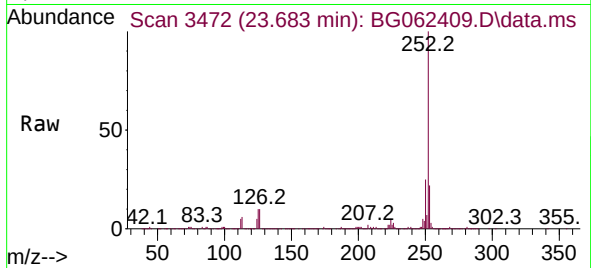
Tgt Ion:228 Resp: 805726
Ion Ratio Lower Upper
228 100
226 31.2 23.4 35.2
229 20.6 15.2 22.8





#90
Benzo(b)fluoranthene
Concen: 27.768 ng/ul
RT: 23.683 min Scan# 3470
Delta R.T. 0.004 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33

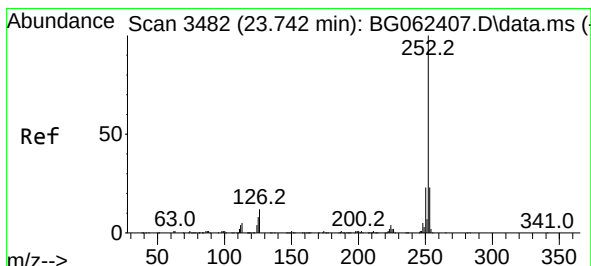
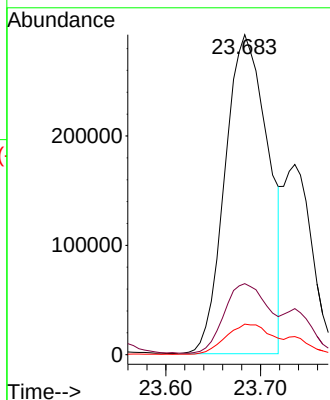
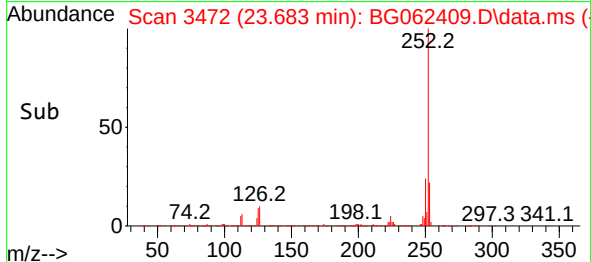
Instrument :
BNA_G
ClientSampleId :
E0AE9



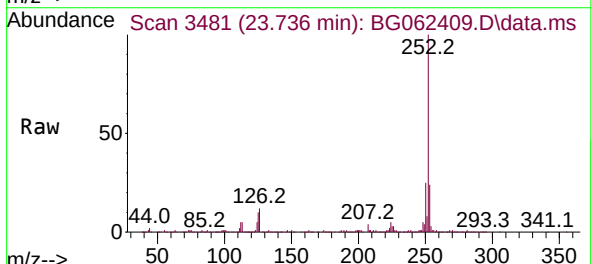
Tgt Ion:252 Resp: 92000
Ion Ratio Lower Upper
252 100
253 22.2 16.9 25.3
125 9.6 7.0 10.4

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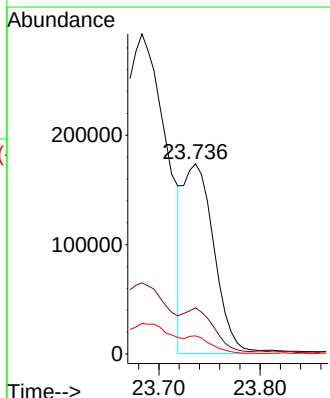
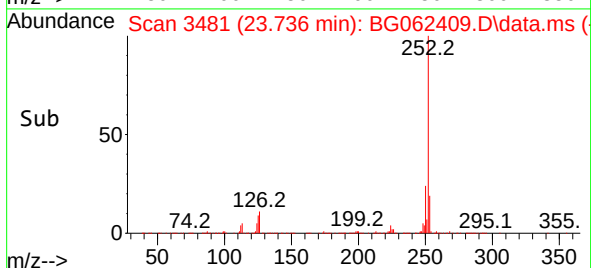
Reviewed By :Jagrut Upadhyay 08/16/2024
Supervised By :mohammad ahmed 08/17/2024

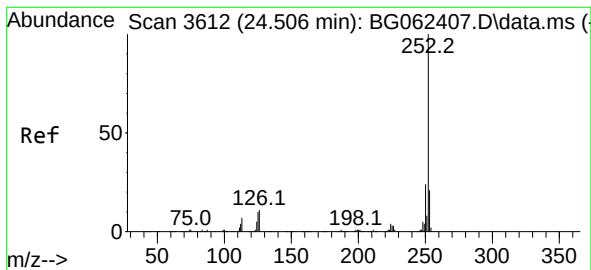


#91
Benzo(k)fluoranthene
Concen: 11.131 ng/ul m
RT: 23.736 min Scan# 3481
Delta R.T. -0.007 min
Lab File: BG062409.D
Acq: 15 Aug 2024 10:33



Tgt Ion:252 Resp: 372245
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 9.5 6.8 10.2





#93

Benzo(a)pyrene

Concen: 16.936 ng/ul

RT: 24.506 min Scan# 3612

Delta R.T. -0.002 min

Lab File: BG062409.D

Acq: 15 Aug 2024 10:33

Instrument :

BNA_G

ClientSampleId :

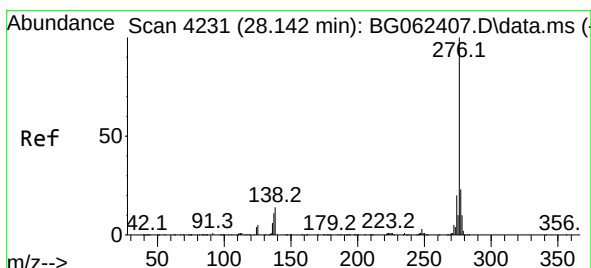
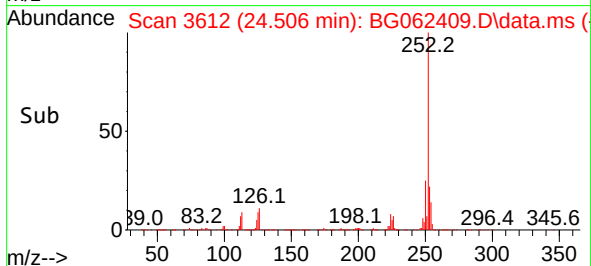
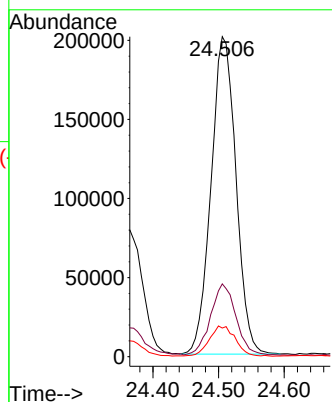
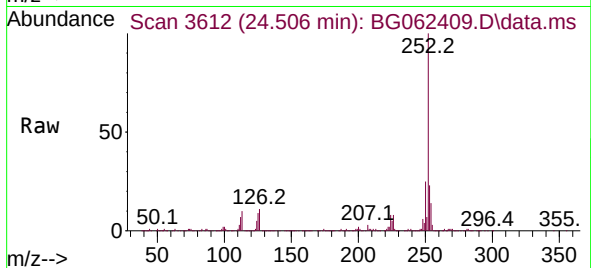
E0AE9

Tgt Ion:252 Resp: 528980
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.8 26.8
 125 9.0 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: 9.616 ng/ul

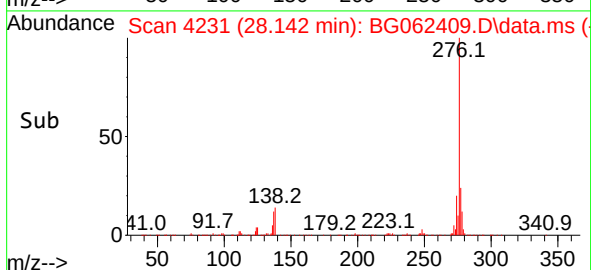
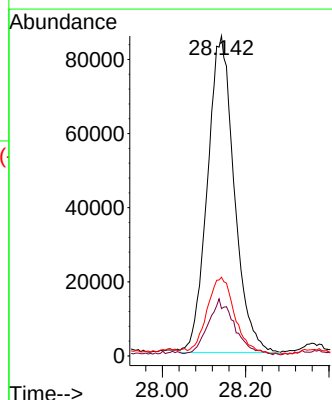
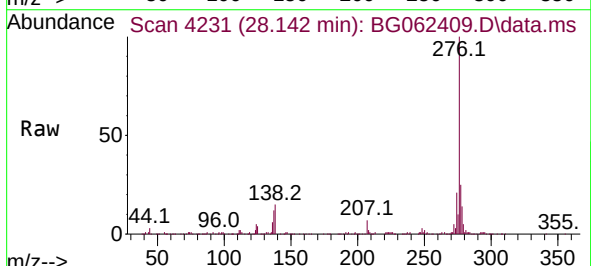
RT: 28.142 min Scan# 4231

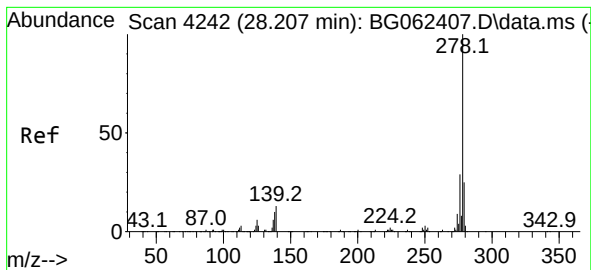
Delta R.T. -0.007 min

Lab File: BG062409.D

Acq: 15 Aug 2024 10:33

Tgt Ion:276 Resp: 381756
 Ion Ratio Lower Upper
 276 100
 138 14.8 11.8 17.8
 277 24.6 19.2 28.8





#95

Dibenzo(a,h)anthracene

Concen: 3.748 ng/ul

RT: 28.183 min Scan# 41

Delta R.T. -0.025 min

Lab File: BG062409.D

Acq: 15 Aug 2024 10:33

Instrument :

BNA_G

ClientSampleId :

E0AE9

Tgt Ion:278 Resp: 120620

Ion Ratio Lower Upper

278 100

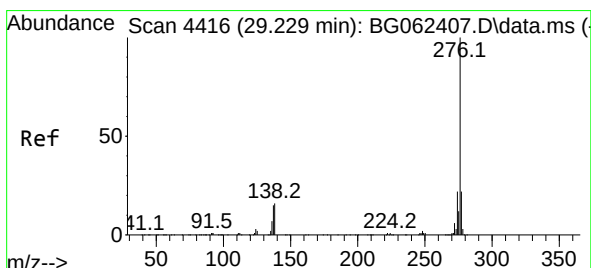
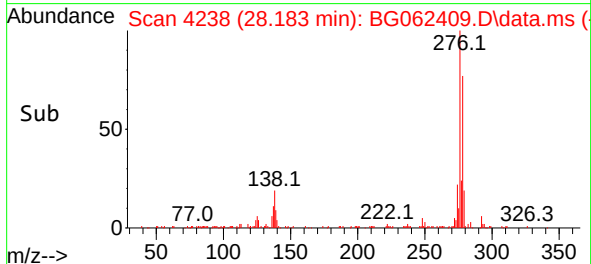
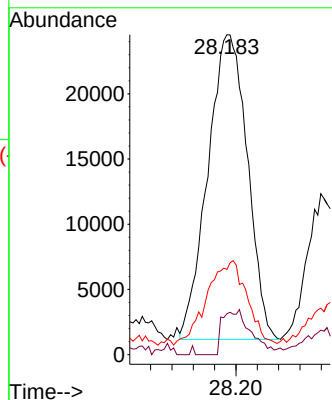
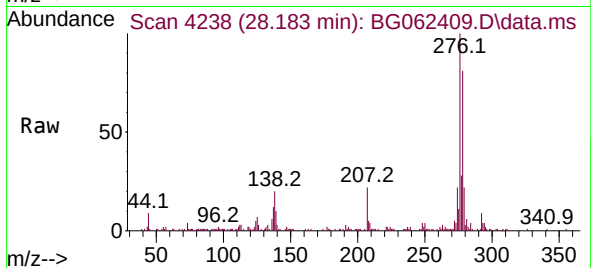
139 12.8 9.8 14.6

279 26.7 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: 1.888 ng/ul

RT: 29.217 min Scan# 4414

Delta R.T. -0.019 min

Lab File: BG062409.D

Acq: 15 Aug 2024 10:33

Tgt Ion:276 Resp: 57646

Ion Ratio Lower Upper

276 100

138 11.1 12.6 19.0#

277 24.4 19.5 29.3

