

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064160.D
 Acq On : 2 Apr 2025 19:44
 Operator : RC/JU
 Sample : Q1686-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-040125

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

Quant Time: Apr 03 01:20:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	45476	20.000	ng	# 0.00
21) Naphthalene-d8	10.650	136	187823	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	124135	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	253806	20.000	ng	0.00
76) Chrysene-d12	21.455	240	257329	20.000	ng	0.00
86) Perylene-d12	24.481	264	280912	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	157564	54.101	ng	0.00
7) Phenol-d6	7.031	99	207763	52.438	ng	0.00
23) Nitrobenzene-d5	9.011	82	141186	41.540	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	87992	63.769	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	294024	35.952	ng	-0.01
79) Terphenyl-d14	19.845	244	445327	34.992	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.266	178	113968m	8.419	ng	
72) Anthracene	17.354	178	34208	2.541	ng	95
75) Fluoranthene	19.281	202	513693	31.476	ng	98
78) Pyrene	19.639	202	500705	30.185	ng	100
81) Benzo(a)anthracene	21.437	228	262850	15.946	ng	98
83) Chrysene	21.502	228	252222m	15.342	ng	
87) Indeno(1,2,3-cd)pyrene	27.871	276	189934	10.105	ng	# 91
88) Benzo(b)fluoranthene	23.529	252	413030	24.321	ng	96
89) Benzo(k)fluoranthene	23.582	252	143460m	8.421	ng	
90) Benzo(a)pyrene	24.340	252	298355	19.727	ng	96
91) Dibenzo(a,h)anthracene	27.936	278	41456m	2.661	ng	
92) Benzo(g,h,i)perylene	28.946	276	213318m	13.334	ng	

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

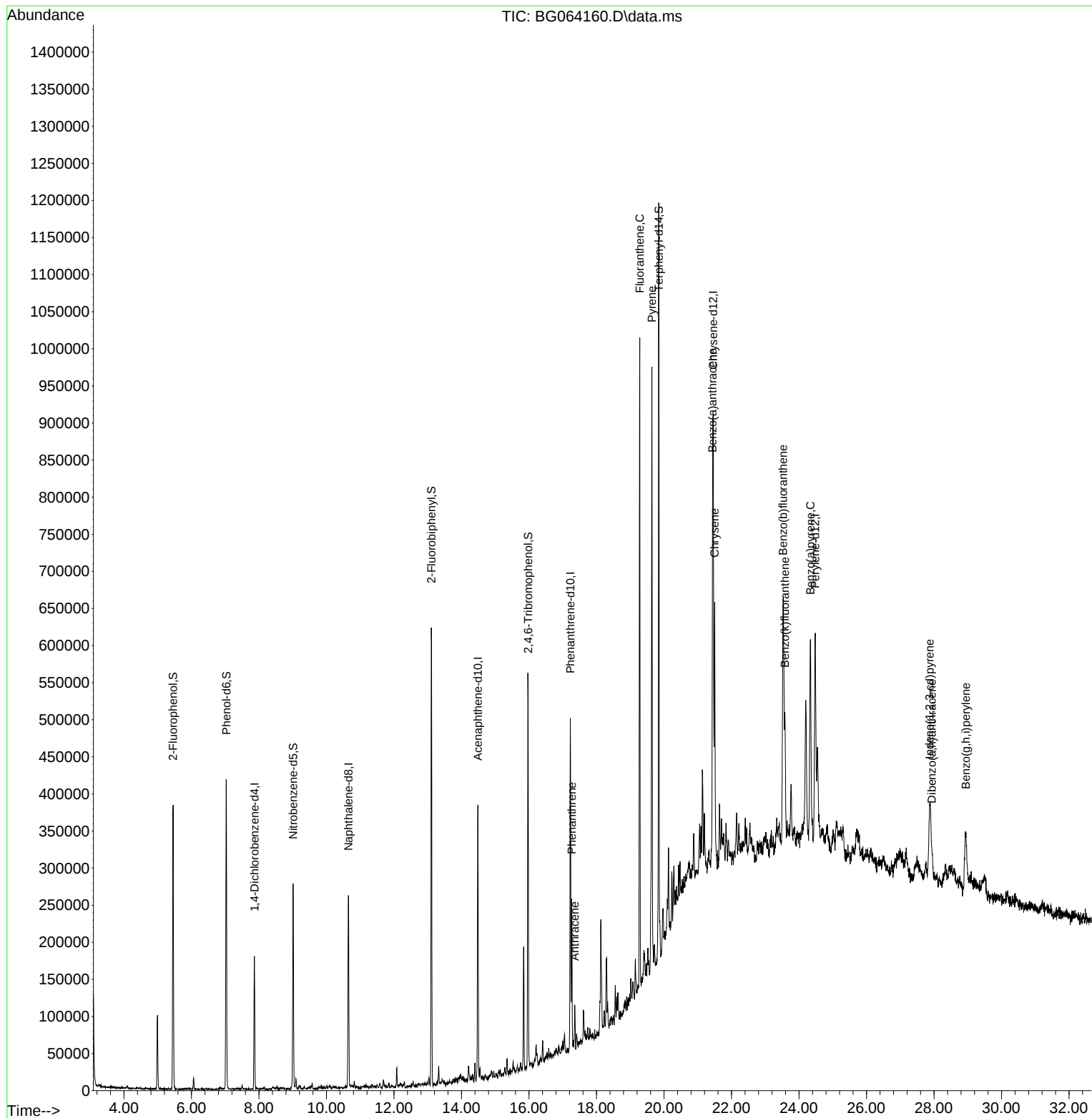
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064160.D
Acq On : 2 Apr 2025 19:44
Operator : RC/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

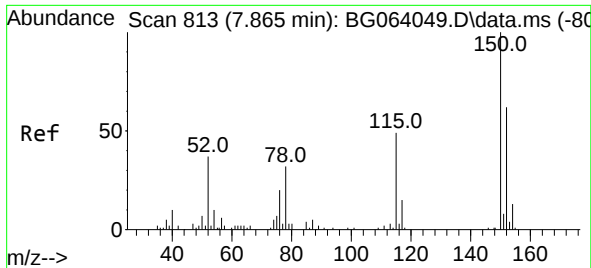
Instrument :
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Quant Time: Apr 03 01:20:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
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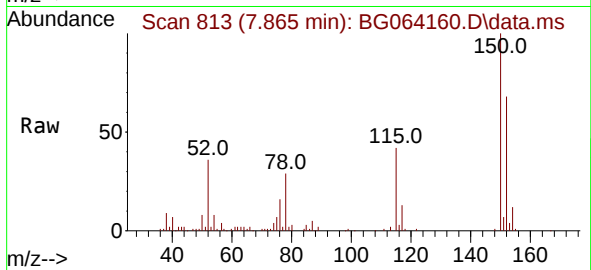
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

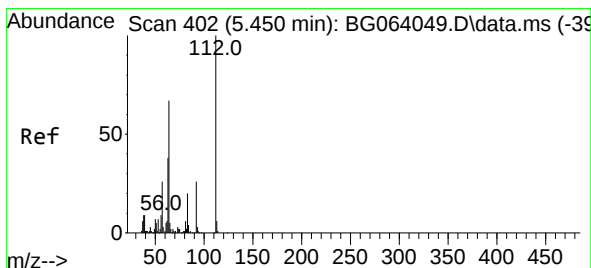
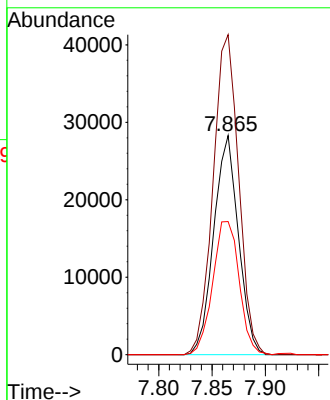
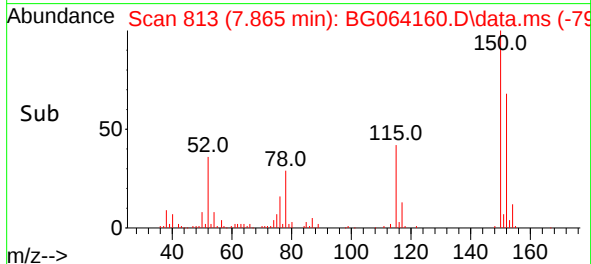
Instrument :
BNA_G
ClientSampleId :
EO-03-040125



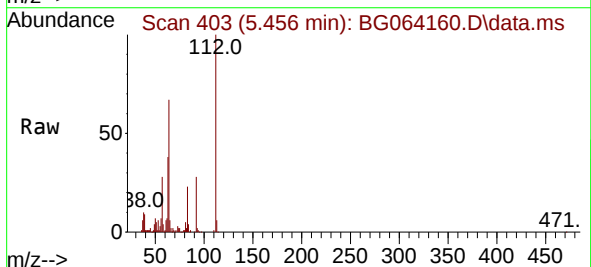
Tgt Ion:152 Resp: 45470
Ion Ratio Lower Upper
152 100
150 146.0 129.2 193.8
115 60.8 63.0 94.6

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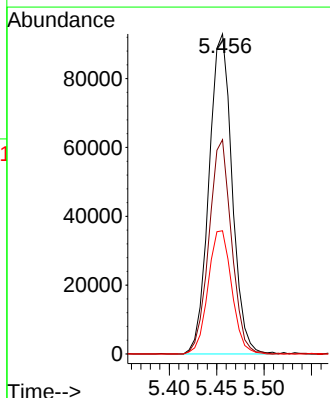
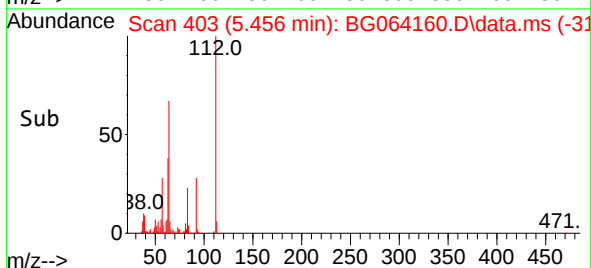
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025

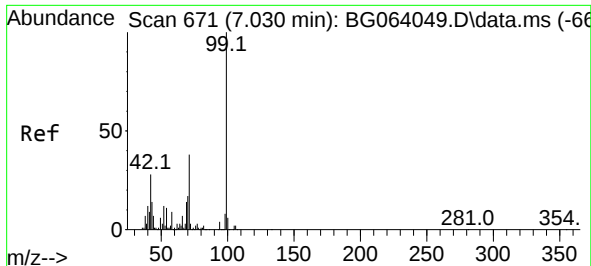


#5
2-Fluorophenol
Concen: 54.101 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44



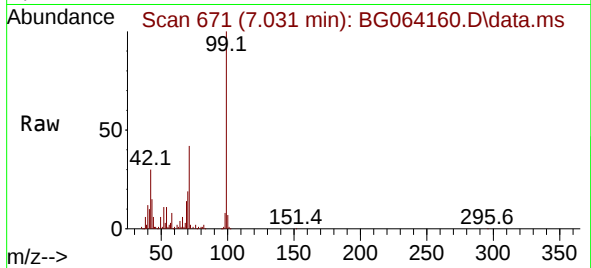
Tgt Ion:112 Resp: 157564
Ion Ratio Lower Upper
112 100
64 66.9 53.7 80.5
63 38.5 30.2 45.4





#7
Phenol-d6
Concen: 52.438 ng
RT: 7.031 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

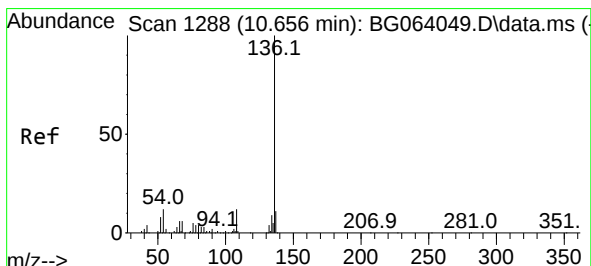
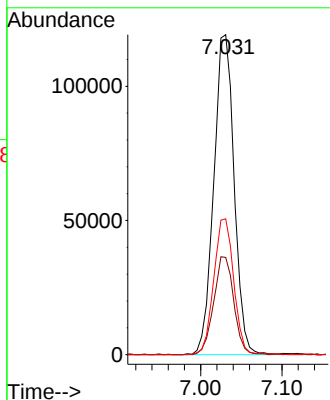
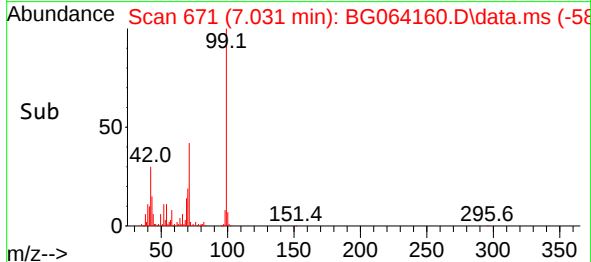
Instrument :
BNA_G
ClientSampleId :
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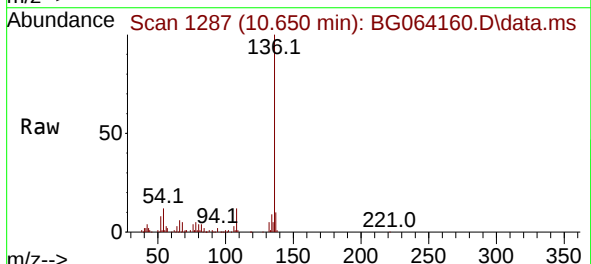
Tgt Ion: 99 Resp: 20776
Ion Ratio Lower Upper
99 100
42 30.4 22.7 34.1
71 42.5 30.6 46.0

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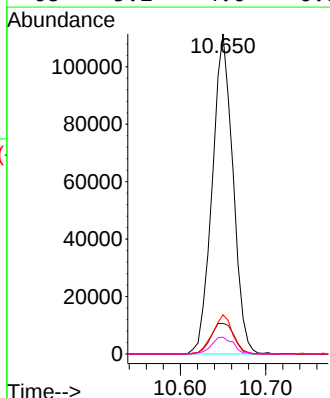
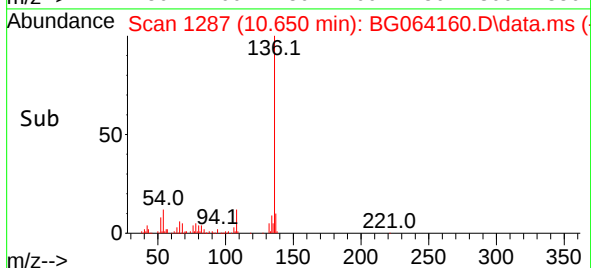
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025

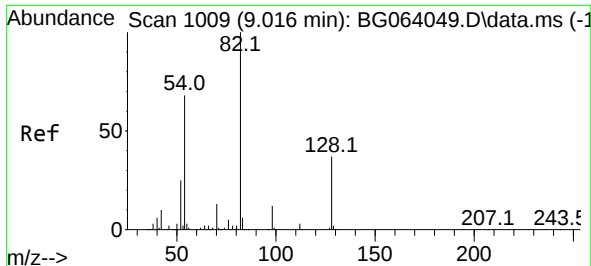


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44



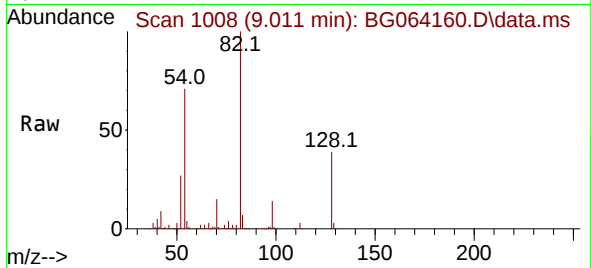
Tgt Ion:136 Resp: 187823
Ion Ratio Lower Upper
136 100
137 9.6 8.5 12.7
54 12.2 9.9 14.9
68 5.2 4.6 6.8





#23
Nitrobenzene-d5
Concen: 41.540 ng
RT: 9.011 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

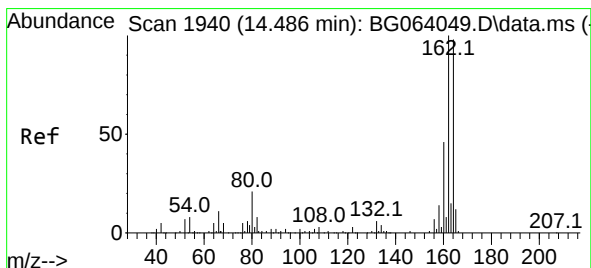
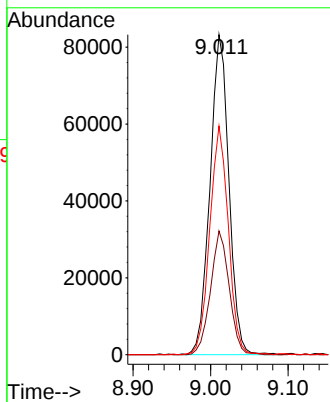
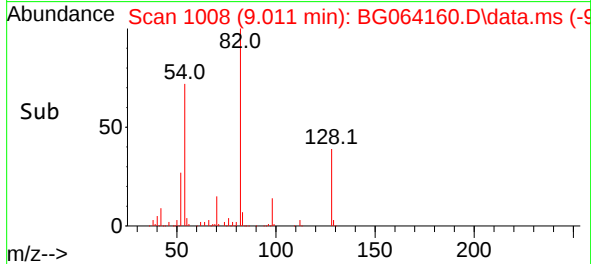
Instrument :
BNA_G
ClientSampleId :
EO-03-040125



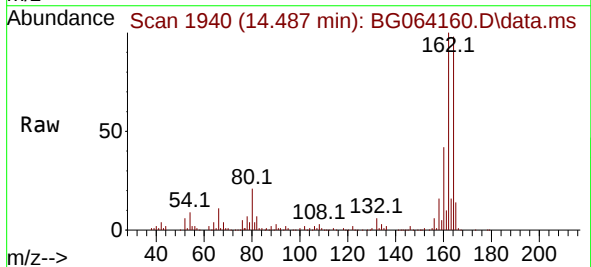
Tgt Ion: 82 Resp: 141180
Ion Ratio Lower Upper
82 100
128 38.6 30.0 45.0
54 71.4 54.7 82.1

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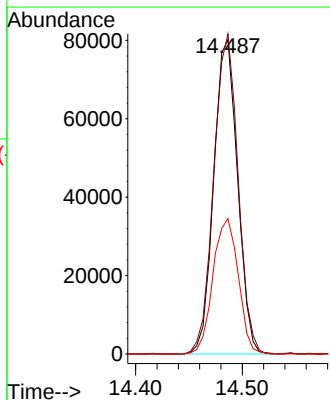
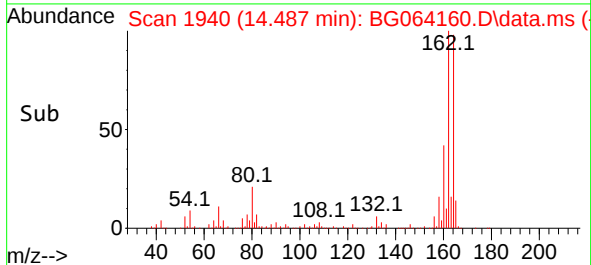
Reviewed By :Anahy Claudio 04/03/2025
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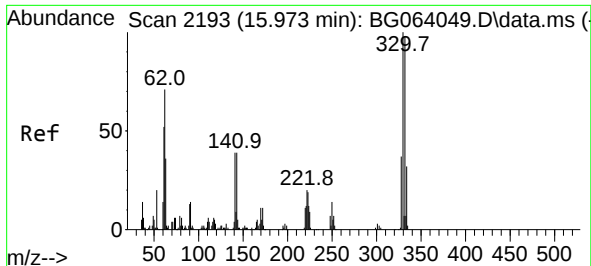


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44



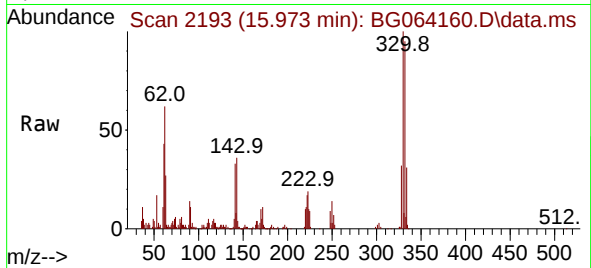
Tgt Ion:164 Resp: 124135
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.0
160 43.1 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 63.769 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

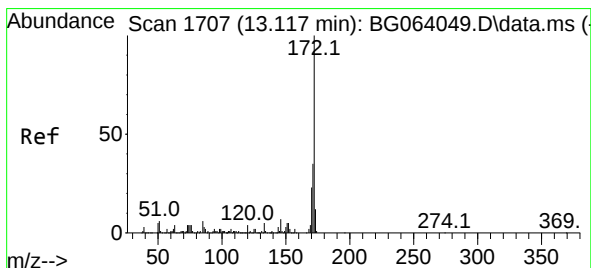
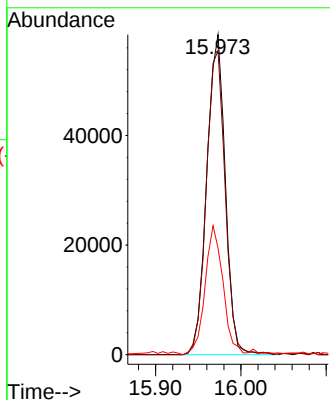
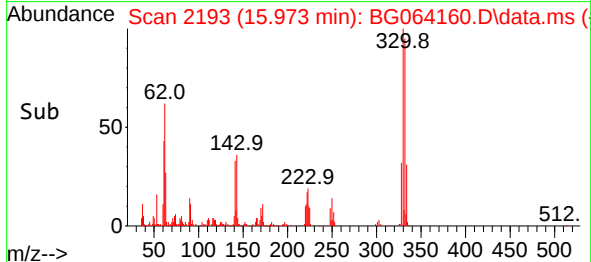
Instrument :
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ClientSampleId :
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Tgt Ion:330 Resp: 87992
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 39.2 29.7 44.5

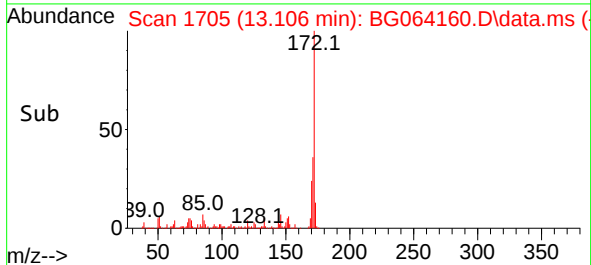
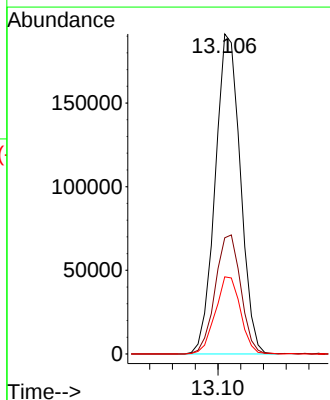
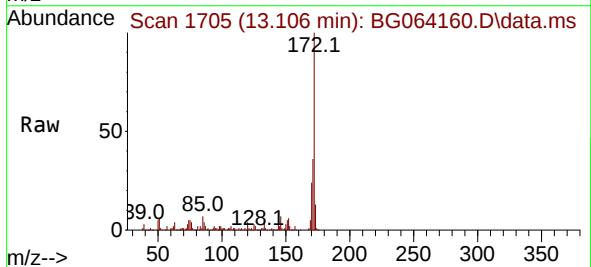
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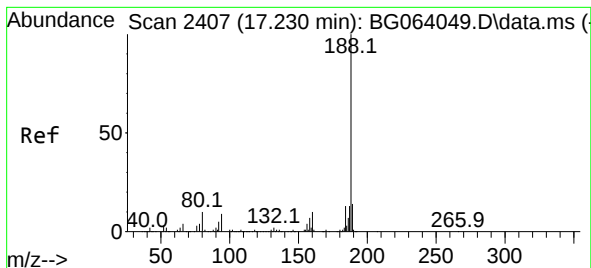
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#45
2-Fluorobiphenyl
Concen: 35.952 ng
RT: 13.106 min Scan# 1705
Delta R.T. -0.011 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

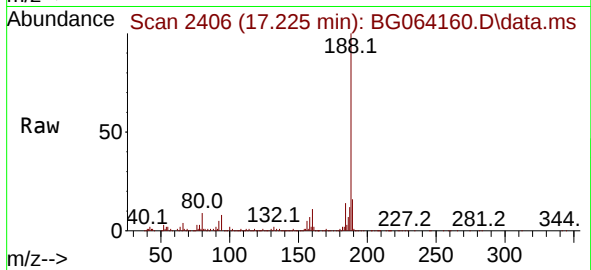
Tgt Ion:172 Resp: 294024
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 24.1 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

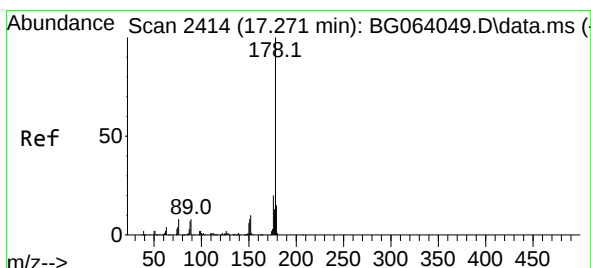
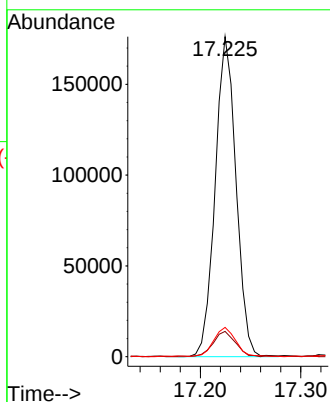
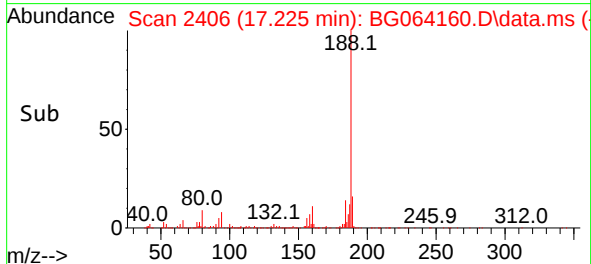
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EO-03-040125



Tgt Ion:188 Resp: 253800
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.2 8.1 12.1

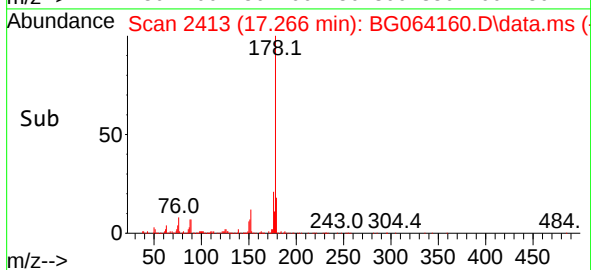
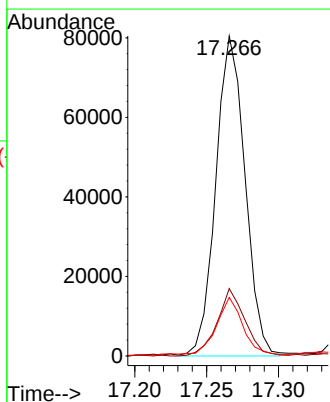
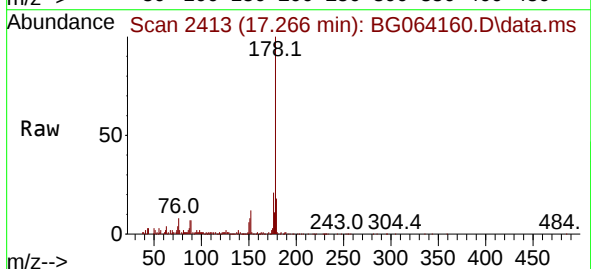
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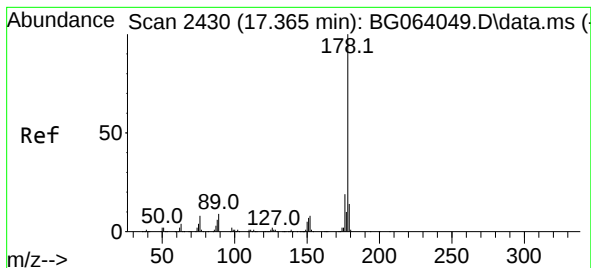
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#71
Phenanthrene
Concen: 8.419 ng m
RT: 17.266 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

Tgt Ion:178 Resp: 113968
Ion Ratio Lower Upper
178 100
176 21.1 15.9 23.9
179 18.3 12.2 18.2#





#72

Anthracene

Concen: 2.541 ng

RT: 17.354 min Scan# 2430

Delta R.T. -0.011 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Instrument :

BNA_G

ClientSampleId :

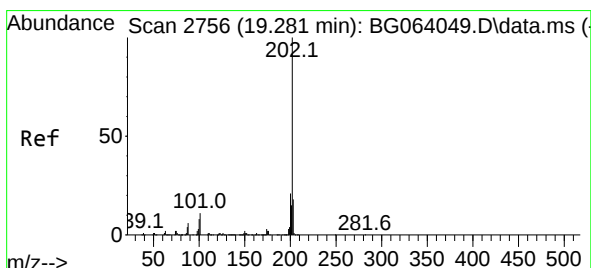
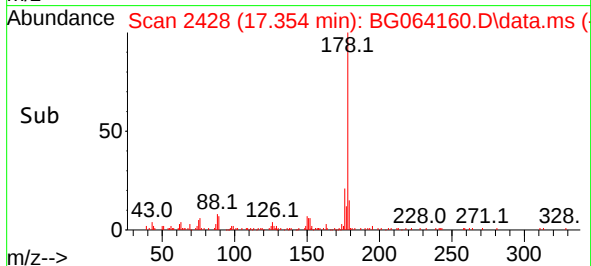
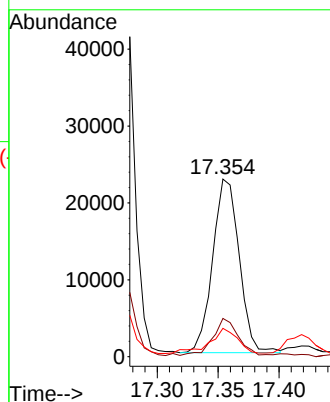
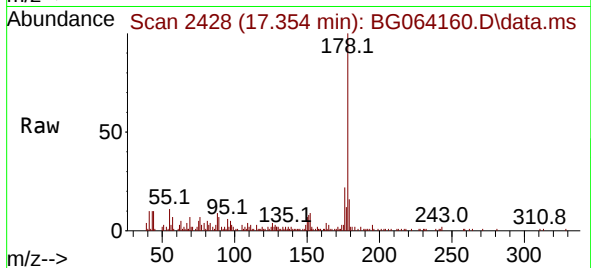
EO-03-040125

Tgt Ion:178 Resp: 34208
 Ion Ratio Lower Upper
 178 100
 176 21.5 14.8 22.2
 179 16.0 11.5 17.3

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#75

Fluoranthene

Concen: 31.476 ng

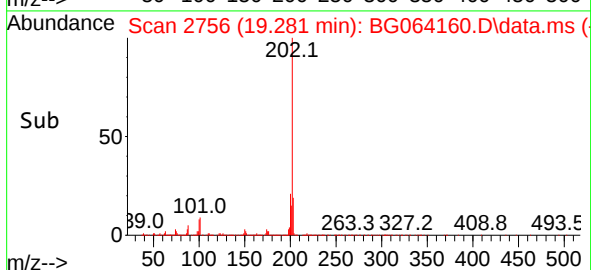
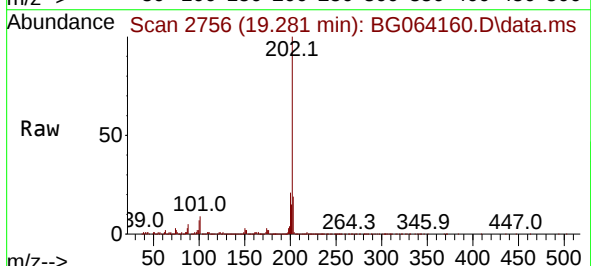
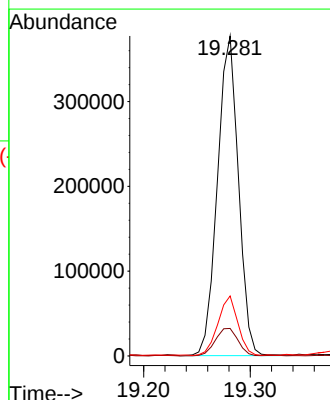
RT: 19.281 min Scan# 2756

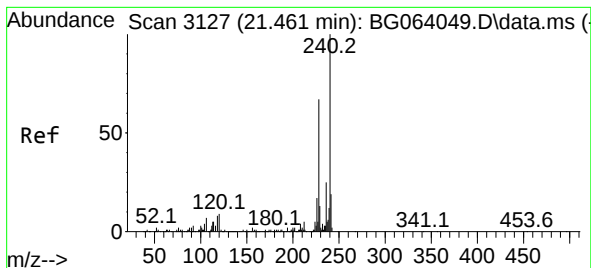
Delta R.T. 0.000 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Tgt Ion:202 Resp: 513693
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.5
 203 18.7 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.455 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

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ClientSampleId :

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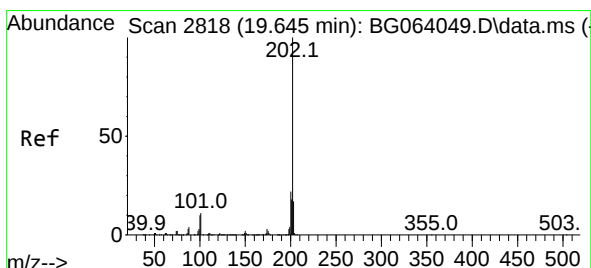
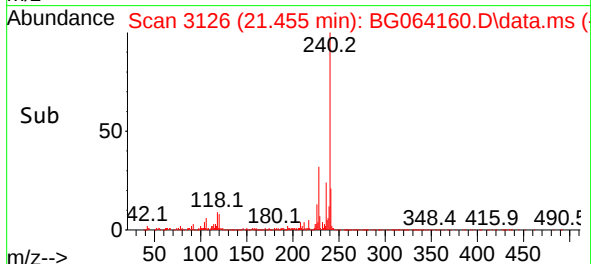
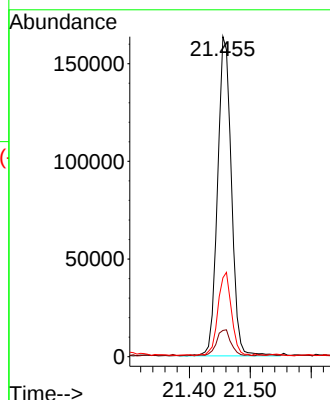
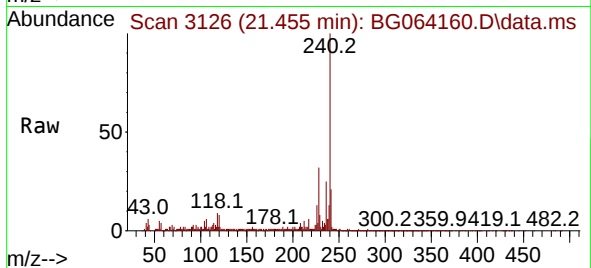
Tgt Ion:240 Resp: 257329
 Ion Ratio Lower Upper
 240 100
 120 8.2 7.2 10.8
 236 24.7 20.2 30.2

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#78

Pyrene

Concen: 30.185 ng

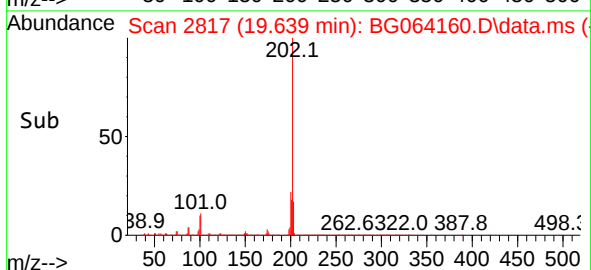
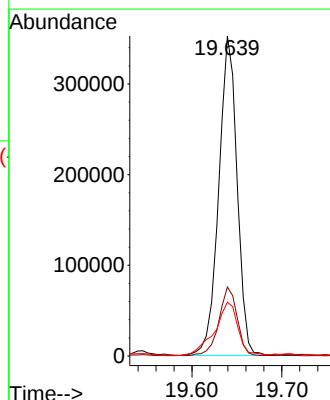
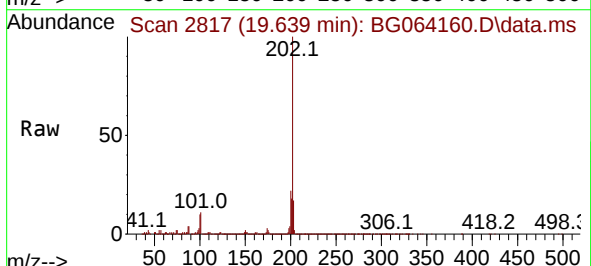
RT: 19.639 min Scan# 2817

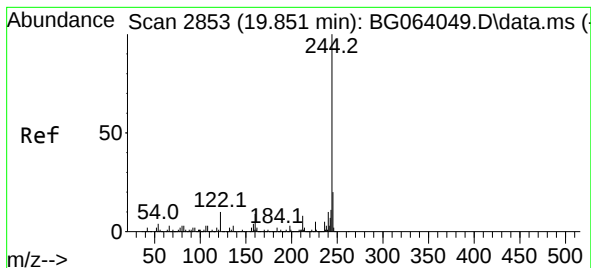
Delta R.T. -0.006 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Tgt Ion:202 Resp: 500705
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.3 25.9
 203 16.8 13.6 20.4





#79

Terphenyl-d14

Concen: 34.992 ng

RT: 19.845 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Instrument :

BNA_G

ClientSampleId :

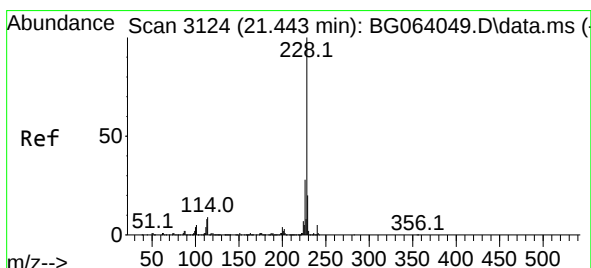
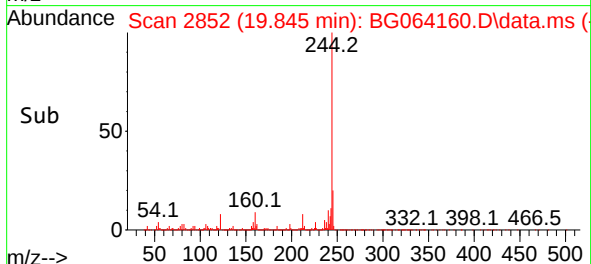
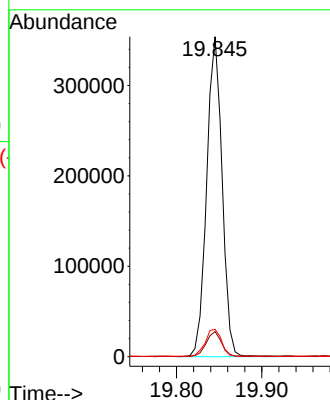
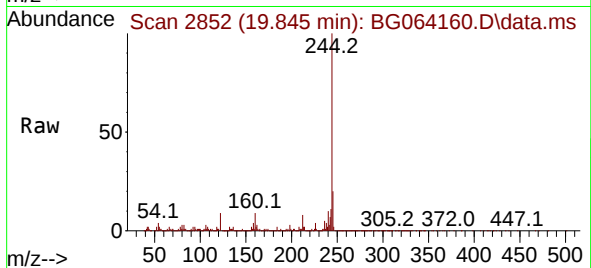
EO-03-040125

Tgt Ion:244 Resp: 445327
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 8.5 8.0 12.0

Manual Integrations

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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025



#81

Benzo(a)anthracene

Concen: 15.946 ng

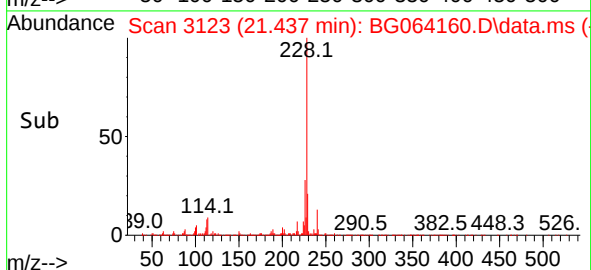
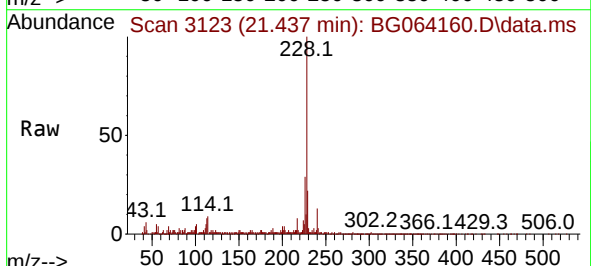
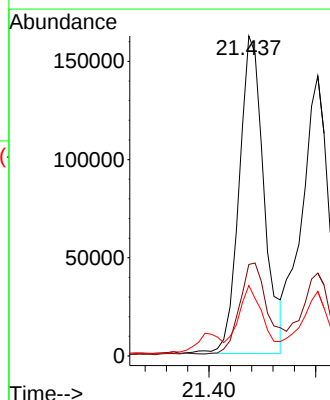
RT: 21.437 min Scan# 3123

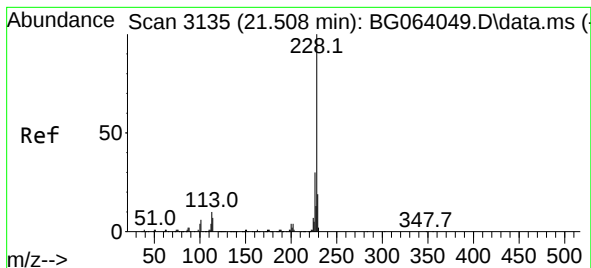
Delta R.T. -0.006 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Tgt Ion:228 Resp: 262850
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.2
 229 22.0 16.4 24.6





#83

Chrysene

Concen: 15.342 ng m

RT: 21.502 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Instrument :

BNA_G

ClientSampleId :

EO-03-040125

Tgt Ion:228 Resp: 25222

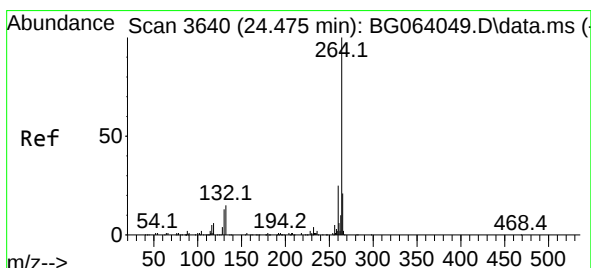
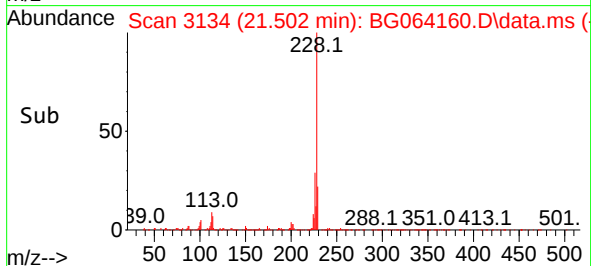
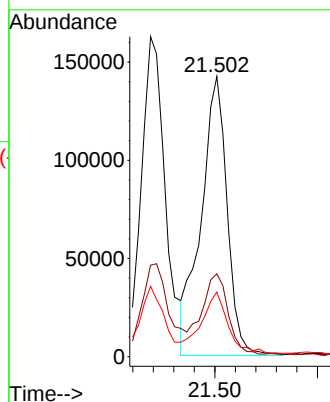
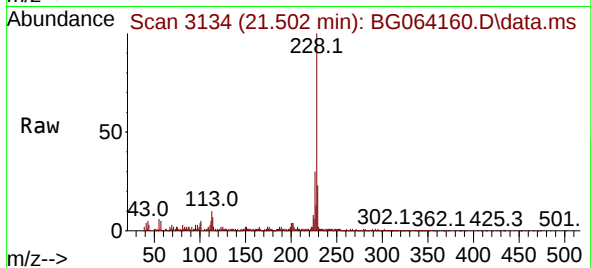
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	23.1	15.3	22.9

Manual Integrations

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Reviewed By :Anahy Claudio 04/03/2025

Supervised By :Jagrut Upadhyay 04/03/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.481 min Scan# 3641

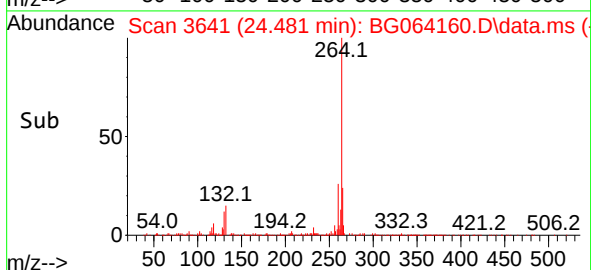
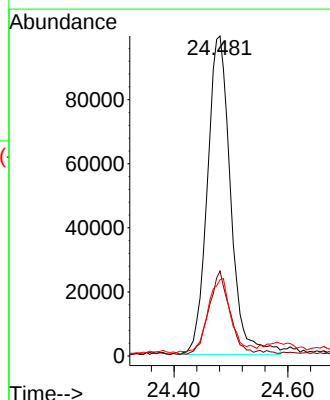
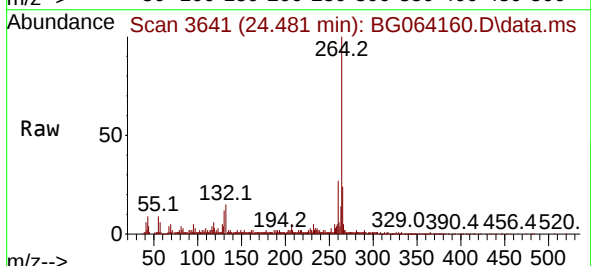
Delta R.T. 0.006 min

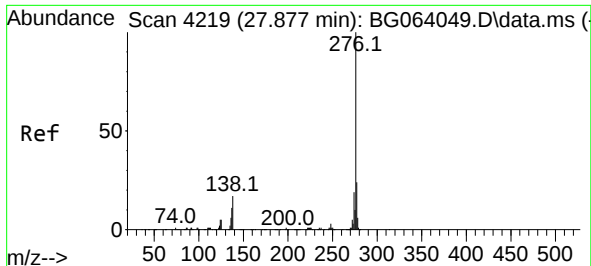
Lab File: BG064160.D

Acq: 2 Apr 2025 19:44

Tgt Ion:264 Resp: 280912

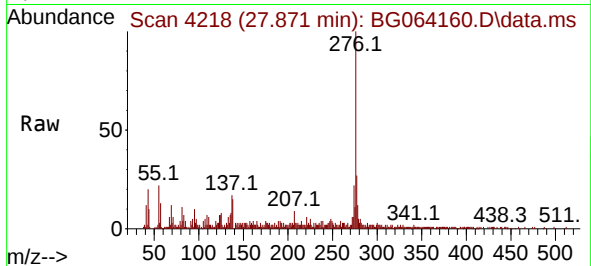
Ion	Ratio	Lower	Upper
264	100		
260	26.6	19.6	29.4
265	23.8	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.105 ng
RT: 27.871 min Scan# 4219
Delta R.T. -0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

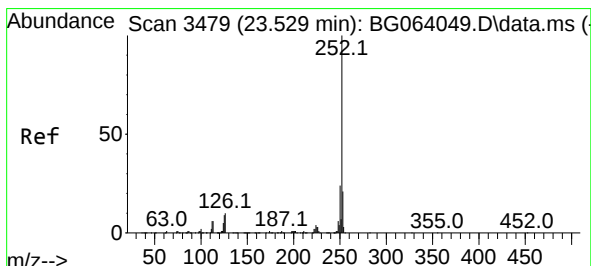
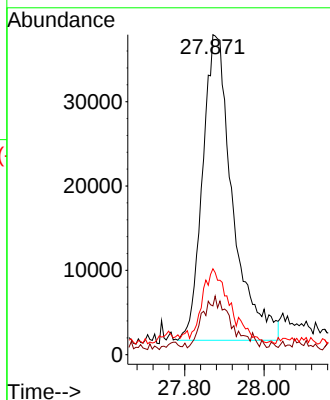
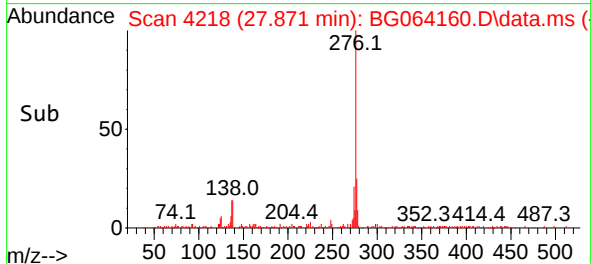
Instrument :
BNA_G
ClientSampleId :
EO-03-040125



Tgt Ion:276 Resp: 189934
Ion Ratio Lower Upper
276 100
138 15.3 12.1 18.1
277 17.7 20.0 30.0

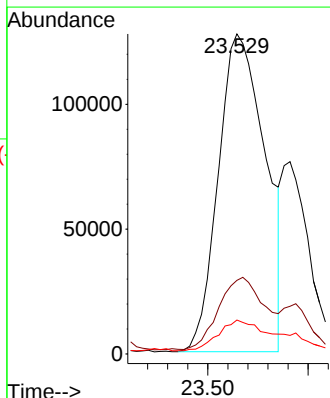
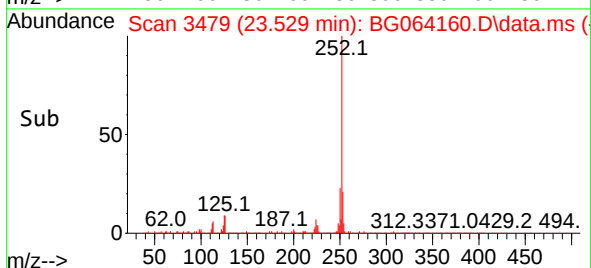
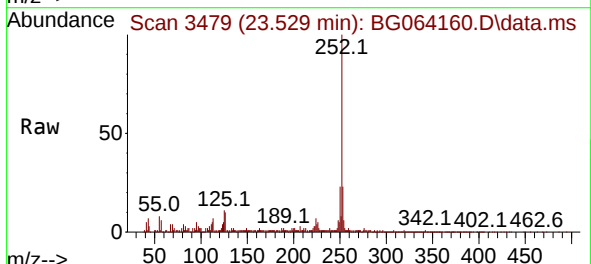
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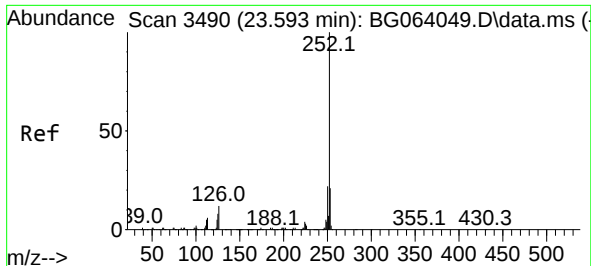
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#88
Benzo(b)fluoranthene
Concen: 24.321 ng
RT: 23.529 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

Tgt Ion:252 Resp: 413030
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.6 7.4 11.2





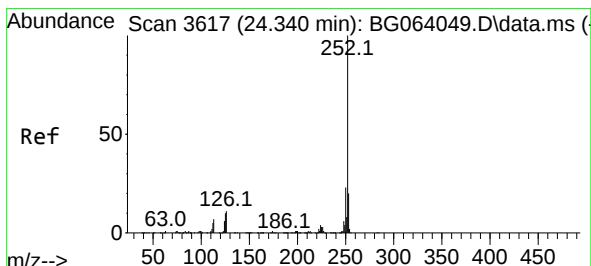
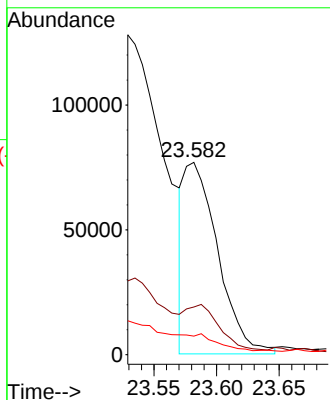
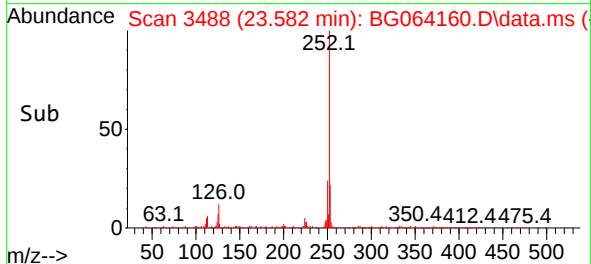
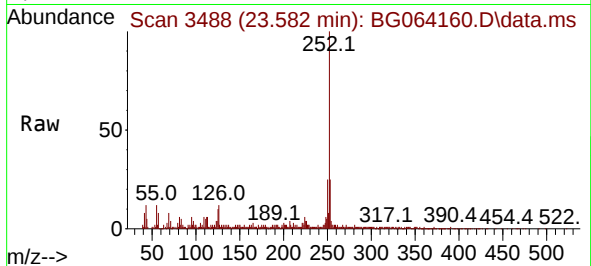
#89
Benzo(k)fluoranthene
Concen: 8.421 ng m
RT: 23.582 min Scan# 3490
Delta R.T. -0.011 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

Instrument :
BNA_G
ClientSampleId :
EO-03-040125

Tgt Ion:252 Resp: 143460
Ion Ratio Lower Upper
252 100
253 24.8 16.8 25.2
125 9.7 6.9 10.3

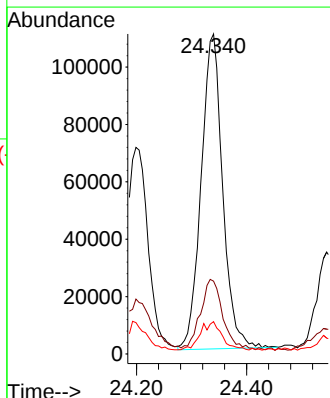
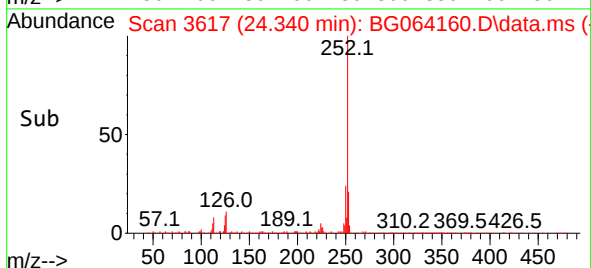
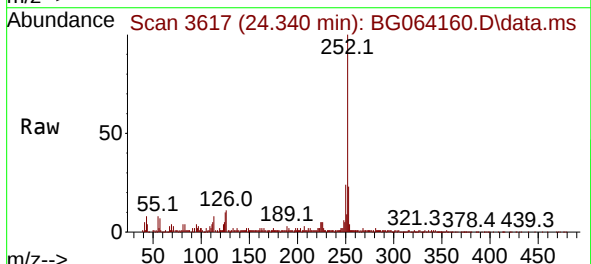
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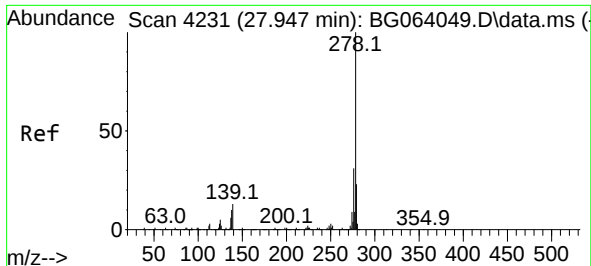
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#90
Benzo(a)pyrene
Concen: 19.727 ng
RT: 24.340 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

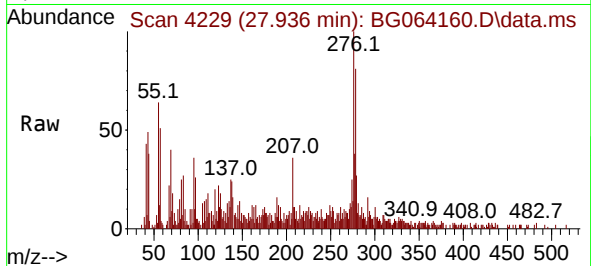
Tgt Ion:252 Resp: 298355
Ion Ratio Lower Upper
252 100
253 22.7 16.2 24.2
125 10.1 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.661 ng m
RT: 27.936 min Scan# 41
Delta R.T. -0.011 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44

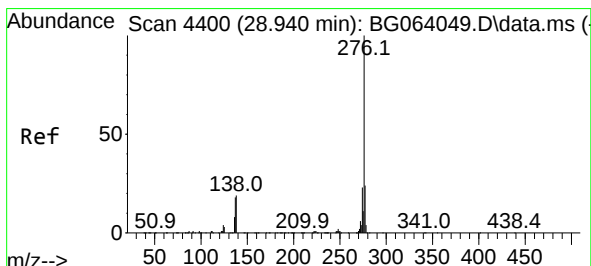
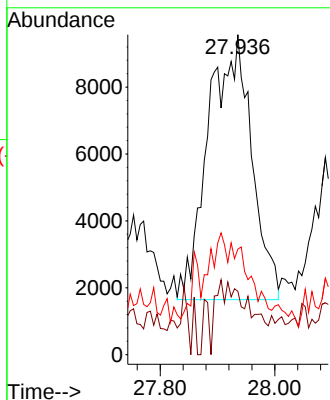
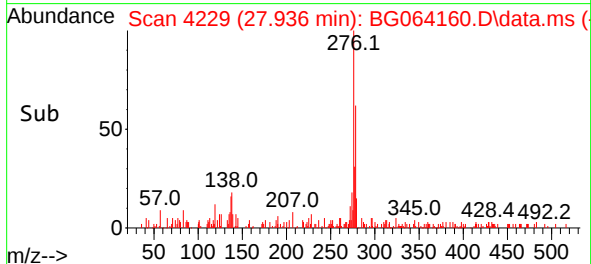
Instrument :
BNA_G
ClientSampleId :
EO-03-040125



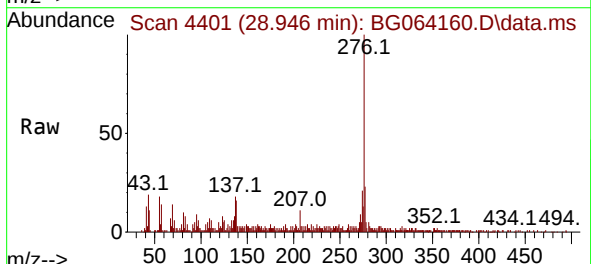
Tgt Ion:278 Resp: 41450
Ion Ratio Lower Upper
278 100
139 19.8 10.2 15.2
279 33.0 18.1 27.1

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Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#92
Benzo(g,h,i)perylene
Concen: 13.334 ng m
RT: 28.946 min Scan# 4401
Delta R.T. 0.006 min
Lab File: BG064160.D
Acq: 2 Apr 2025 19:44



Tgt Ion:276 Resp: 213318
Ion Ratio Lower Upper
276 100
277 23.0 19.5 29.3
138 16.2 15.4 23.0

