

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064538.D
 Acq On : 17 Oct 2025 16:29
 Operator : RC/JU
 Sample : Q3363-05
 Misc : 8270/625.1 SPIKE
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP01-20251015

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 17:04:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	13378	20.000	ng	# 0.00
21) Naphthalene-d8	10.606	136	53157	20.000	ng	0.00
39) Acenaphthene-d10	14.442	164	39158	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	94623	20.000	ng	# 0.00
76) Chrysene-d12	21.411	240	112080	20.000	ng	0.00
86) Perylene-d12	24.395	264	127010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.412	112	63244	87.490	ng	0.00
7) Phenol-d6	6.992	99	79949	82.301	ng	0.00
23) Nitrobenzene-d5	8.972	82	54606	55.236	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	65490	92.266	ng	0.00
45) 2-Fluorobiphenyl	13.068	172	127558	48.016	ng	0.00
79) Terphenyl-d14	19.807	244	285318	48.177	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.237	202	22421	3.793	ng	96
78) Pyrene	19.601	202	26885	3.696	ng	95
81) Benzo(a)anthracene	21.393	228	19009	2.656	ng	# 90
83) Chrysene	21.452	228	17492m	2.577	ng	
88) Benzo(b)fluoranthene	23.444	252	24103	3.336	ng	# 92
90) Benzo(a)pyrene	24.249	252	24819	3.727	ng	# 92
92) Benzo(g,h,i)perylene	28.779	276	19058	2.774	ng	# 93

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

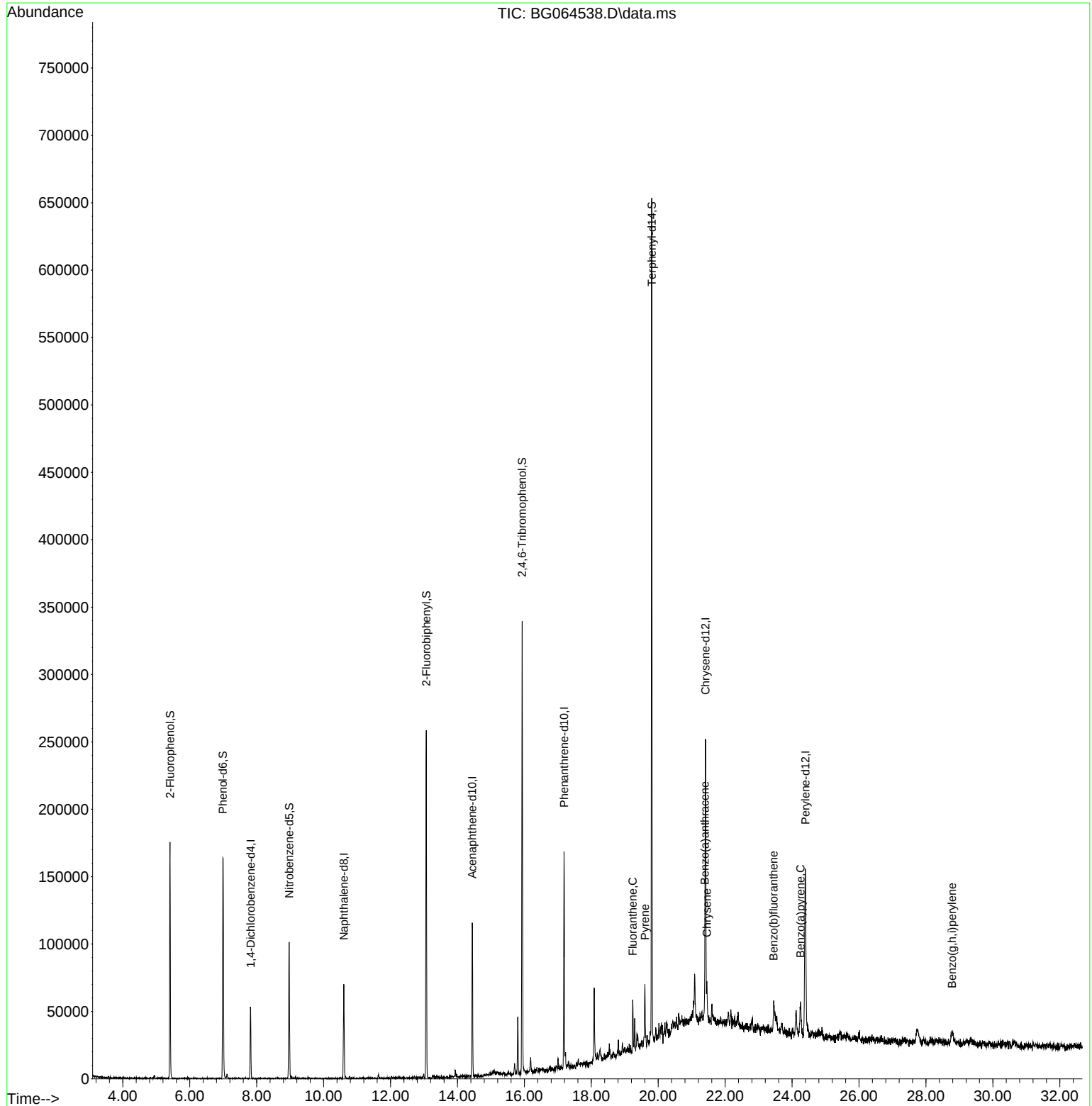
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064538.D
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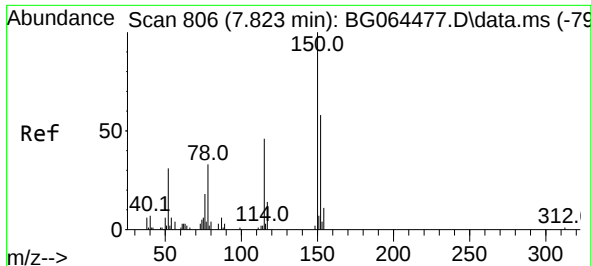
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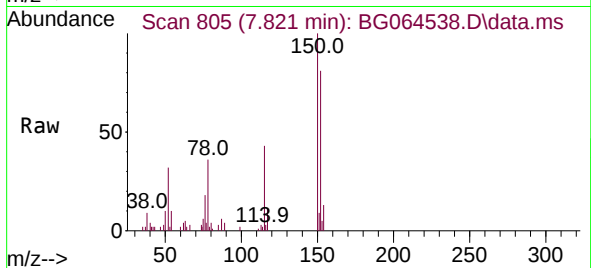
Quant Time: Oct 17 17:04:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.821 min Scan# 806
Delta R.T. 0.001 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

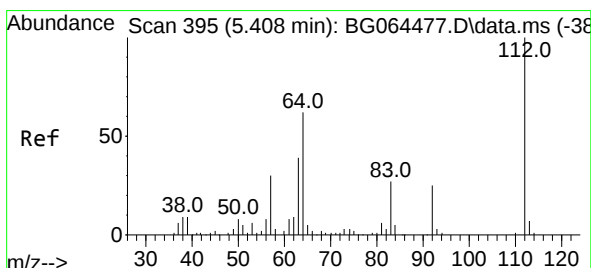
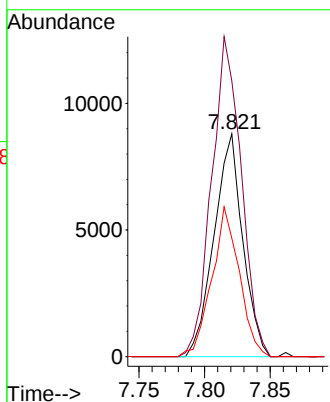
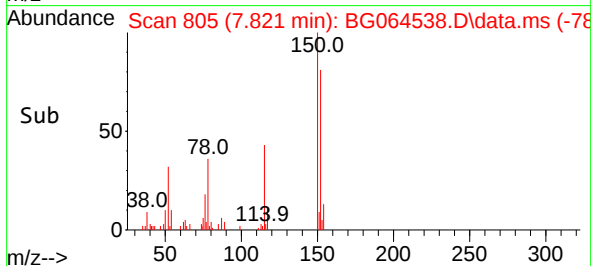
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015



Tgt Ion:152 Resp: 13378
Ion Ratio Lower Upper
152 100
150 123.8 138.6 207.8
115 53.1 63.4 95.2

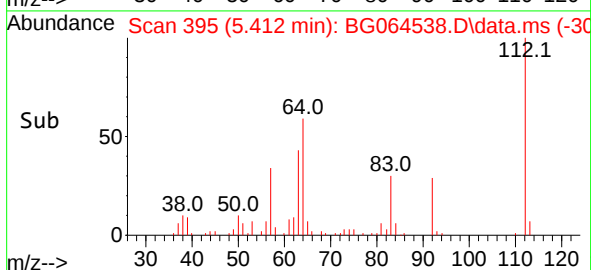
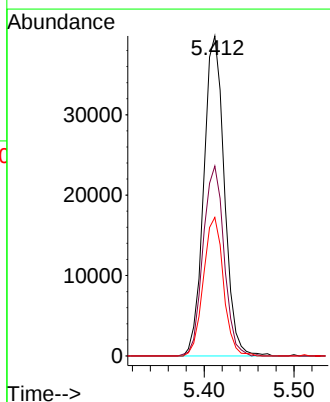
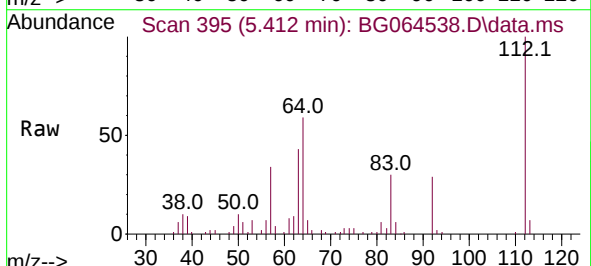
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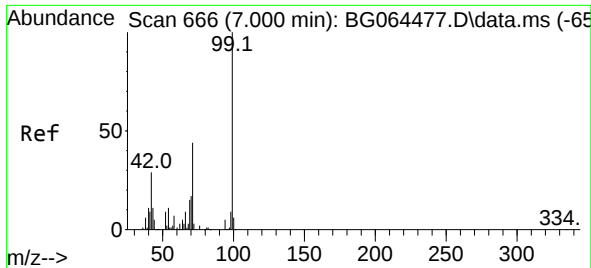
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#5
2-Fluorophenol
Concen: 87.490 ng
RT: 5.412 min Scan# 395
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

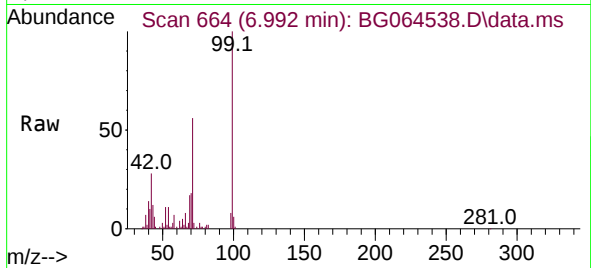
Tgt Ion:112 Resp: 63244
Ion Ratio Lower Upper
112 100
64 59.3 49.8 74.8
63 43.3 31.3 46.9





#7
Phenol-d6
Concen: 82.301 ng
RT: 6.992 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

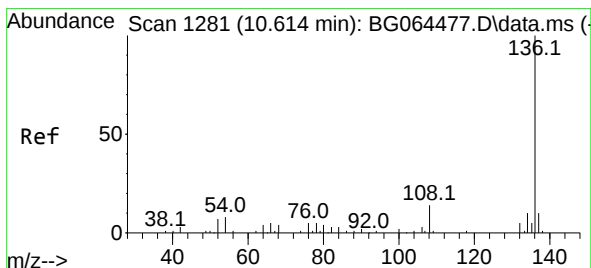
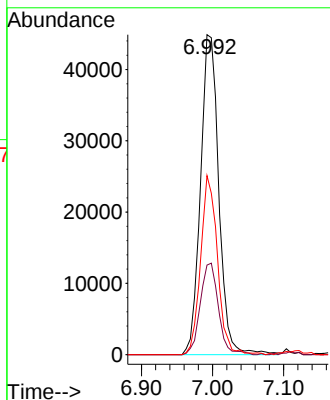
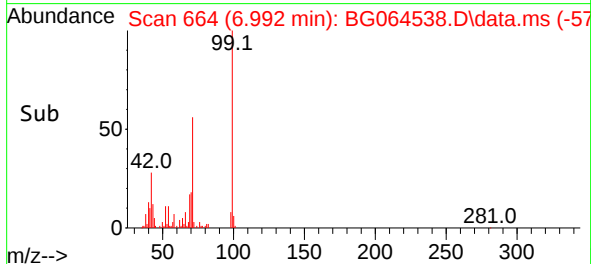
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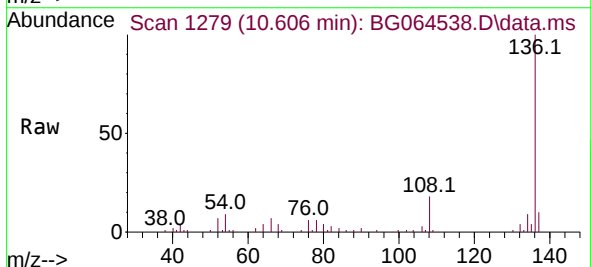
Tgt Ion: 99 Resp: 79949
Ion Ratio Lower Upper
99 100
42 28.0 22.9 34.3
71 56.0 35.4 53.2

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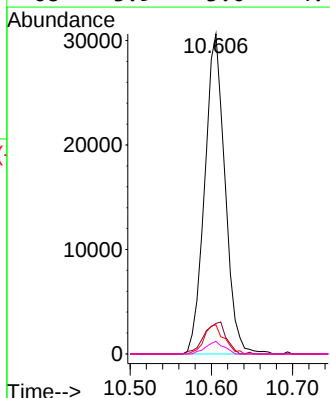
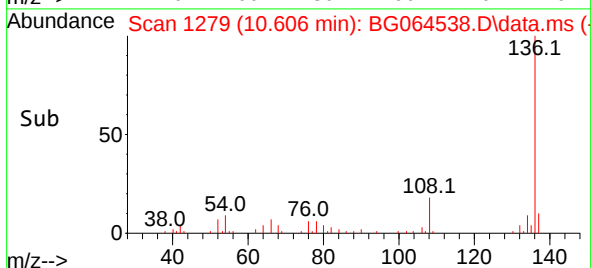
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

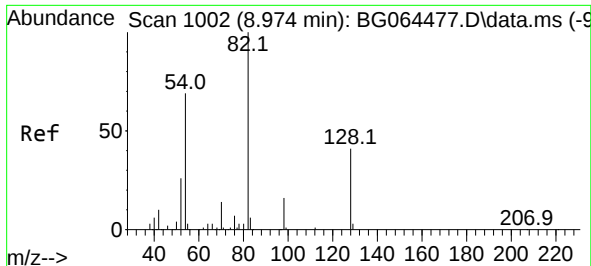


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.606 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29



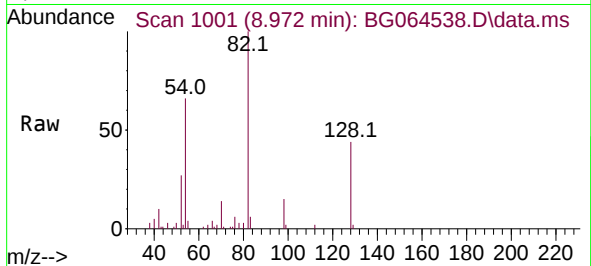
Tgt Ion:136 Resp: 53157
Ion Ratio Lower Upper
136 100
137 9.5 8.3 12.5
54 9.1 6.2 9.4
68 3.9 3.0 4.4





#23
Nitrobenzene-d5
Concen: 55.236 ng
RT: 8.972 min Scan# 1001
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

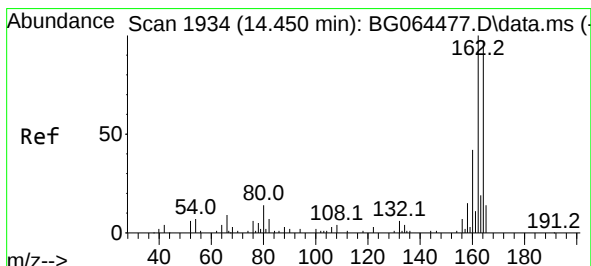
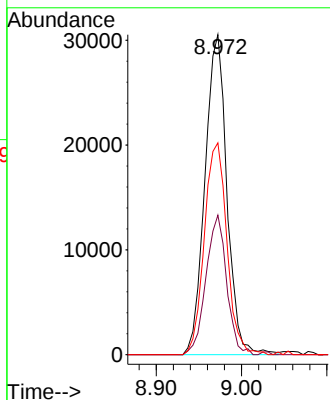
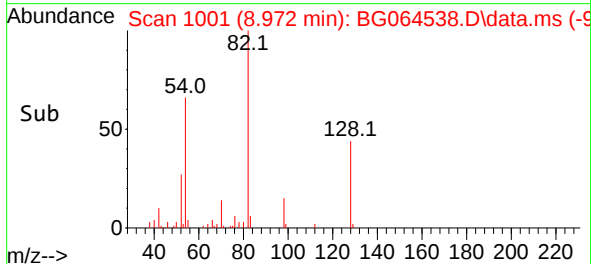
Instrument :
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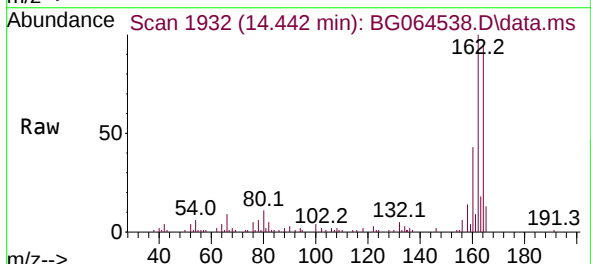
Tgt Ion: 82 Resp: 54606
Ion Ratio Lower Upper
82 100
128 43.6 33.1 49.7
54 66.2 55.4 83.2

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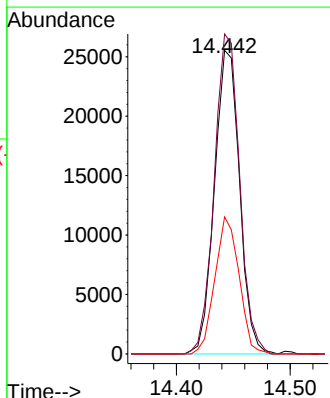
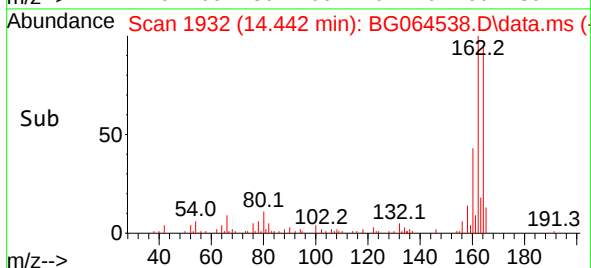
Reviewed By :Rahul Chavli 10/20/2025
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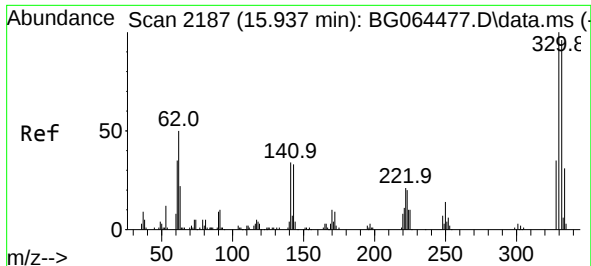


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.442 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29



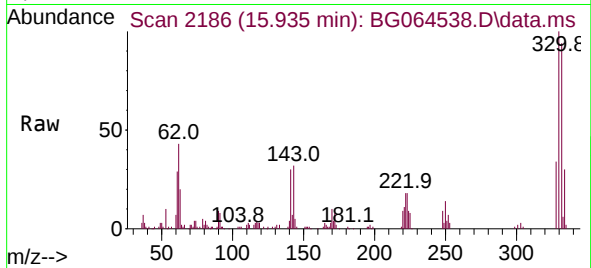
Tgt Ion:164 Resp: 39158
Ion Ratio Lower Upper
164 100
162 105.4 82.2 123.2
160 45.1 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 92.266 ng
RT: 15.935 min Scan# 2187
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

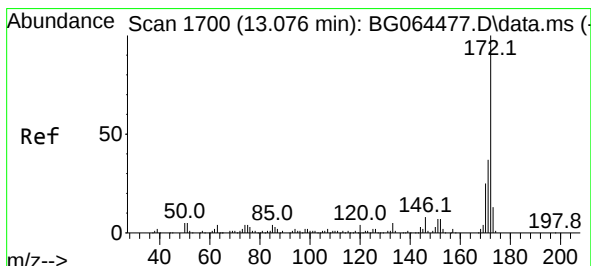
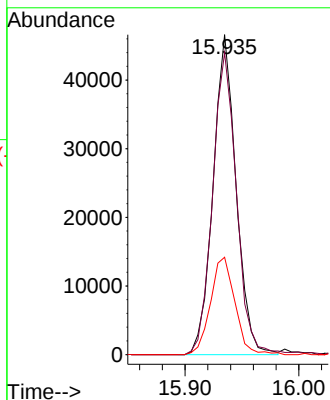
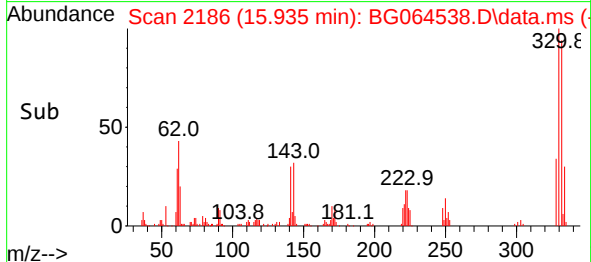
Instrument :
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COMP01-20251015



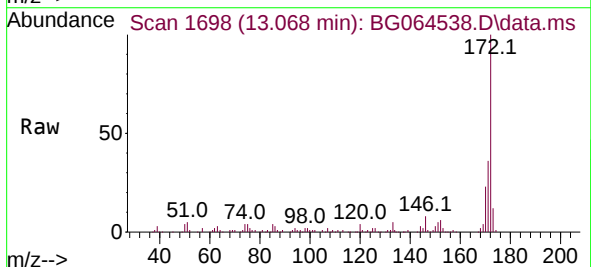
Tgt Ion: 330 Resp: 65490
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 32.3 25.8 38.6

Manual Integrations
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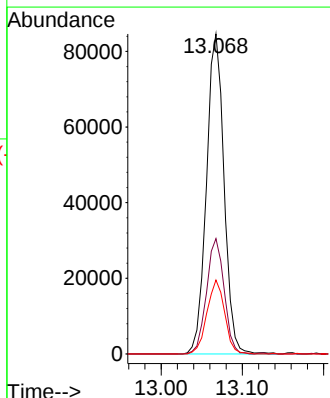
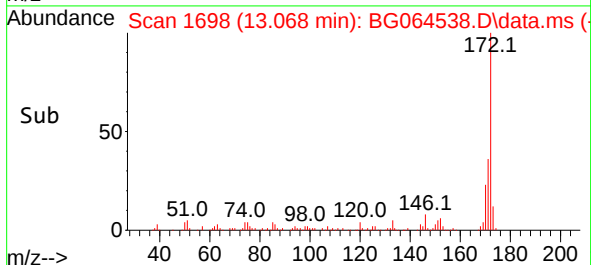
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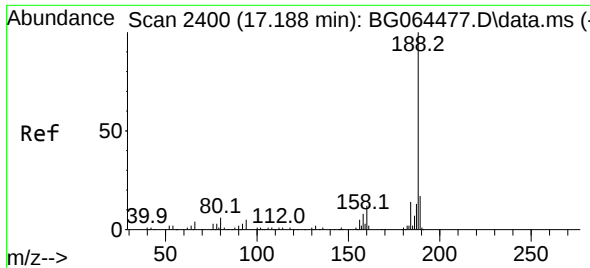


#45
2-Fluorobiphenyl
Concen: 48.016 ng
RT: 13.068 min Scan# 1698
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29



Tgt Ion: 172 Resp: 127558
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.1 20.2 30.2





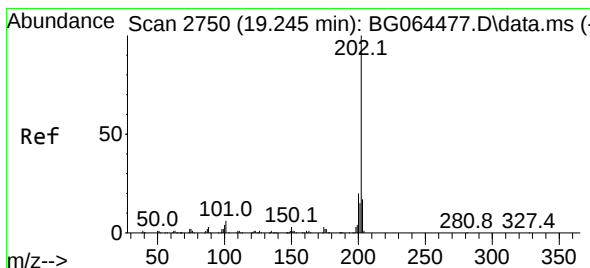
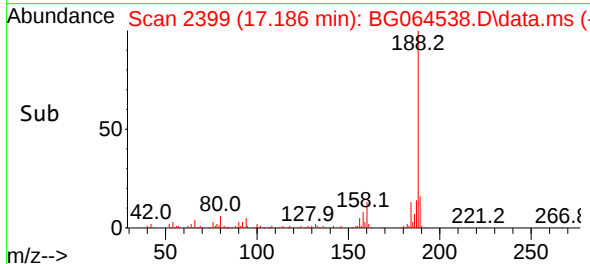
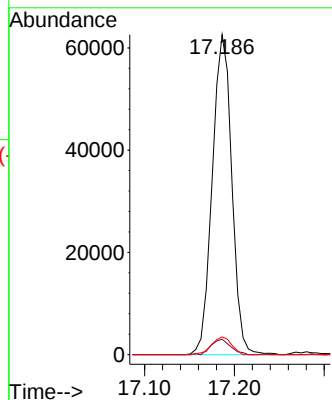
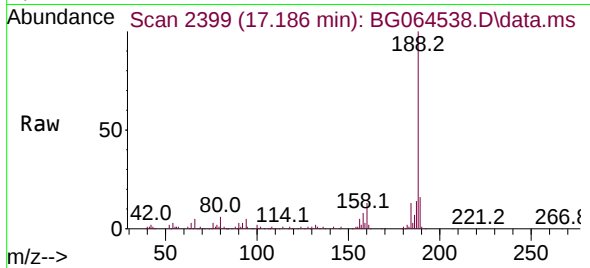
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Instrument :
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Tgt Ion:188 Resp: 94623
Ion Ratio Lower Upper
188 100
94 5.7 3.7 5.5
80 5.5 4.5 6.7

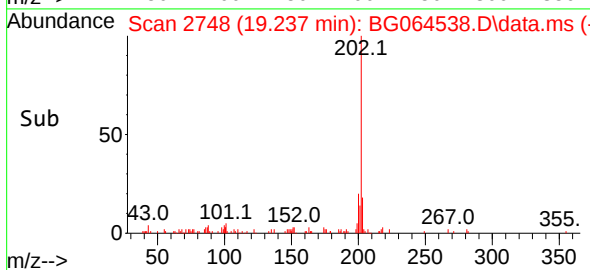
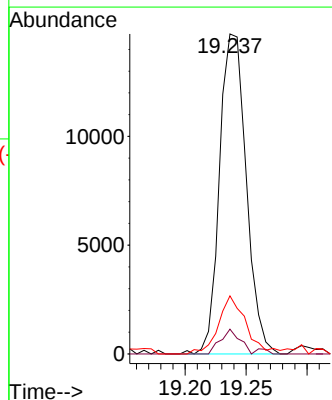
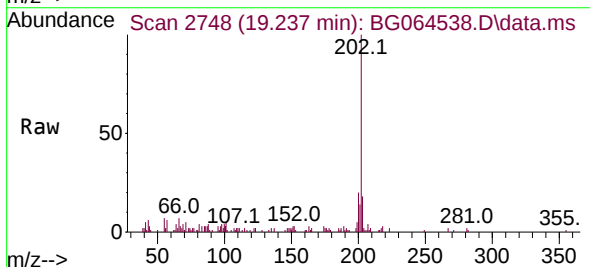
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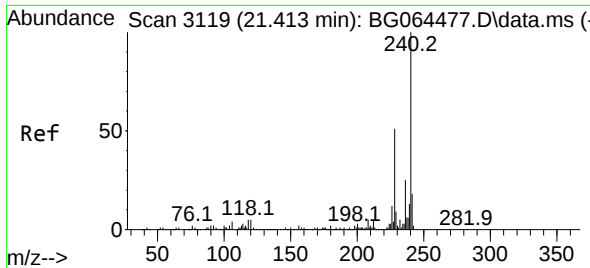
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#75
Fluoranthene
Concen: 3.793 ng
RT: 19.237 min Scan# 2748
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

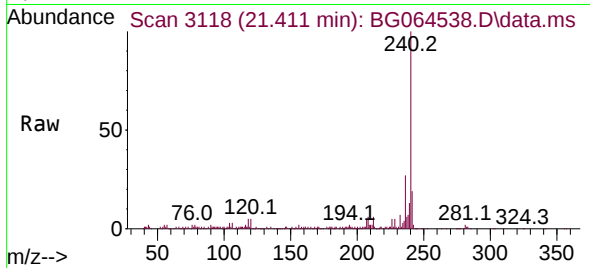
Tgt Ion:202 Resp: 22421
Ion Ratio Lower Upper
202 100
101 7.7 0.0 25.7
203 18.1 0.0 36.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.411 min Scan# 3119
Delta R.T. 0.001 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

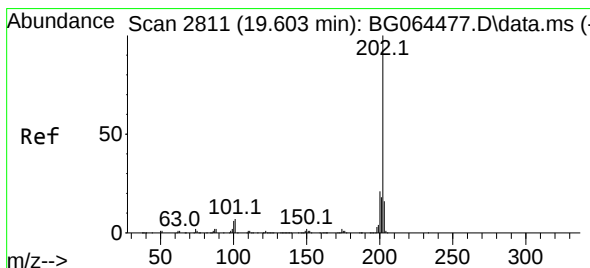
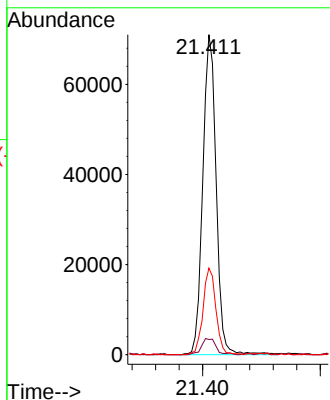
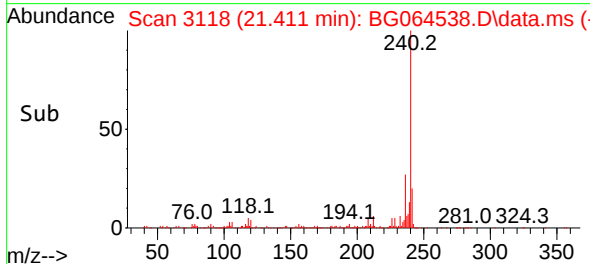
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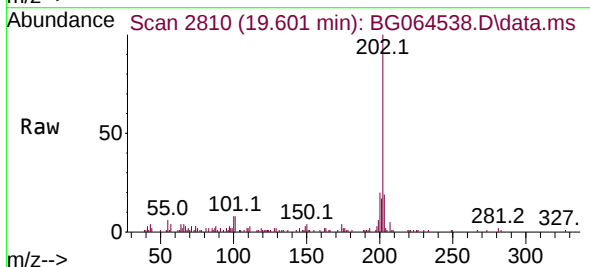
Tgt Ion:240 Resp: 112080
Ion Ratio Lower Upper
240 100
120 4.7 4.3 6.5
236 27.0 20.4 30.6

Manual Integrations
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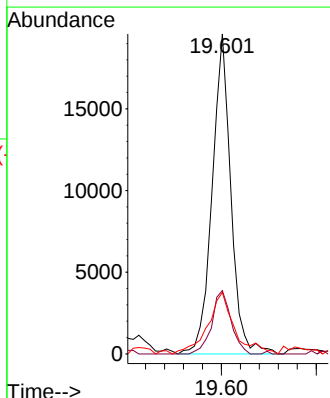
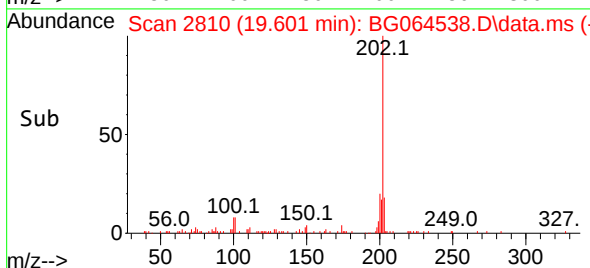
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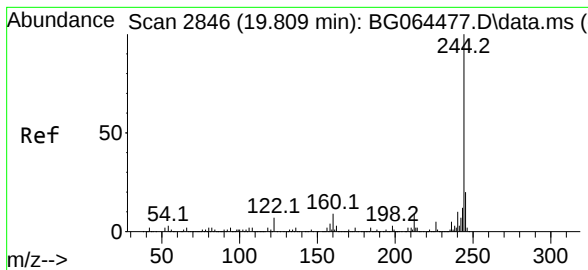


#78
Pyrene
Concen: 3.696 ng
RT: 19.601 min Scan# 2810
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29



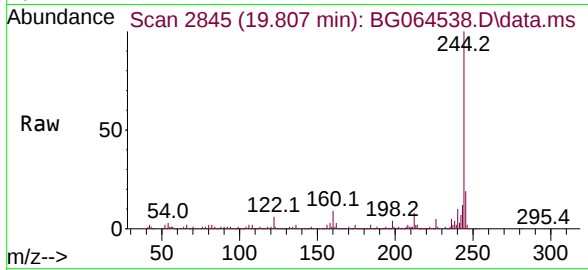
Tgt Ion:202 Resp: 26885
Ion Ratio Lower Upper
202 100
200 19.8 17.0 25.4
203 19.2 13.0 19.4





#79
 Terphenyl-d14
 Concen: 48.177 ng
 RT: 19.807 min Scan# 2846
 Delta R.T. 0.000 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

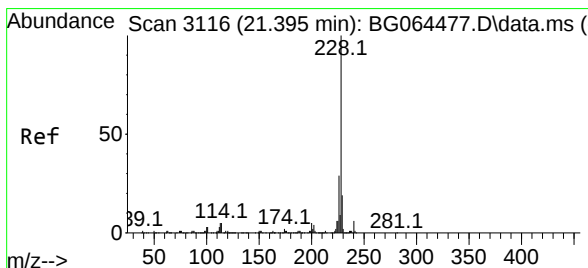
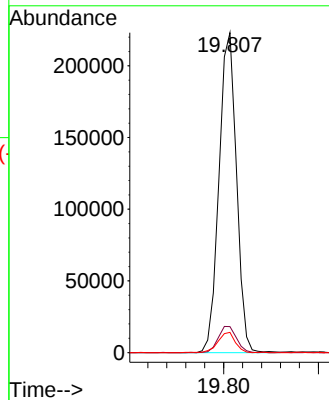
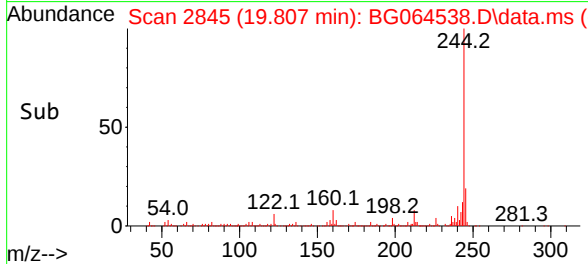
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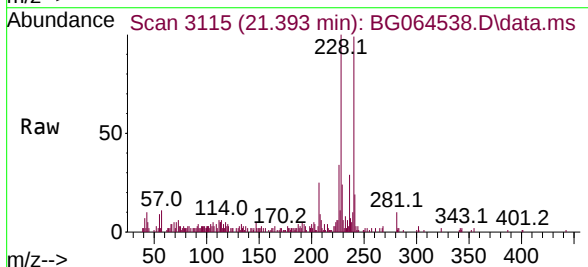
Tgt Ion:244 Resp: 285318
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.0 10.6
 122 6.3 5.6 8.4

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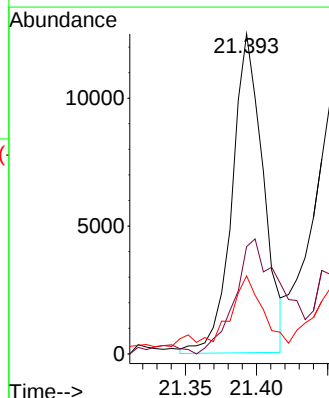
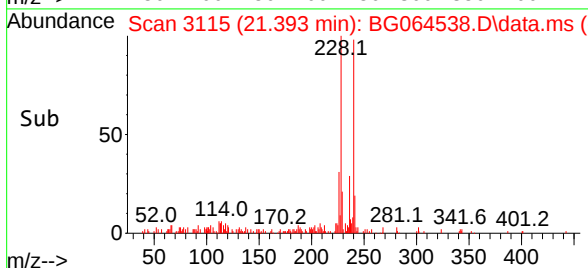
Reviewed By :Rahul Chavli 10/20/2025
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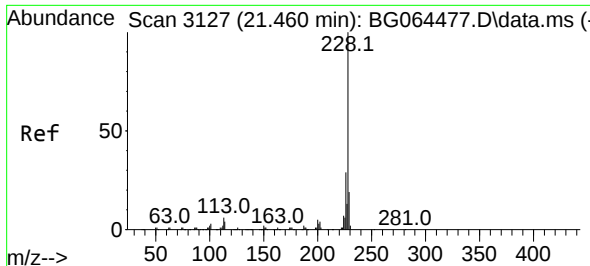


#81
 Benzo(a)anthracene
 Concen: 2.656 ng
 RT: 21.393 min Scan# 3115
 Delta R.T. 0.000 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29



Tgt Ion:228 Resp: 19009
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.8 34.2
 229 24.4 15.2 22.8#





#83

Chrysene

Concen: 2.577 ng m

RT: 21.452 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

Instrument :

BNA_G

ClientSampleId :

COMP01-20251015

Tgt Ion:228 Resp: 17492

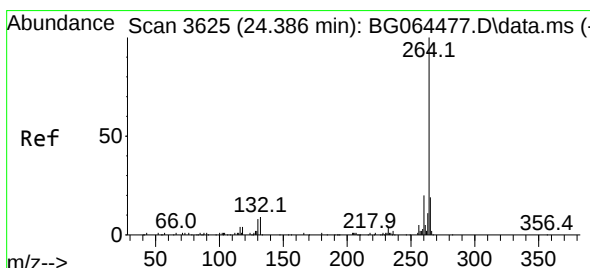
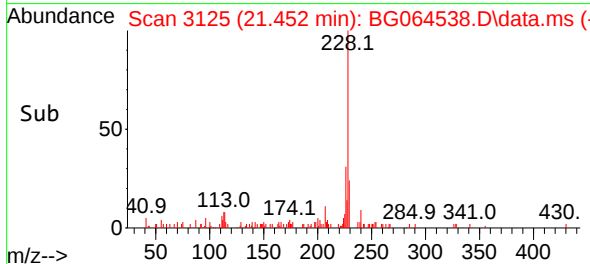
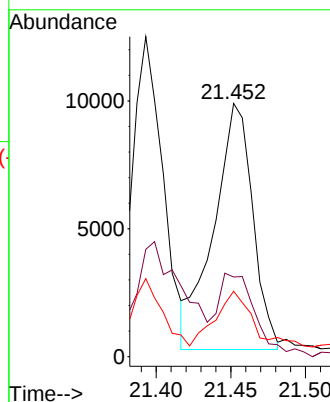
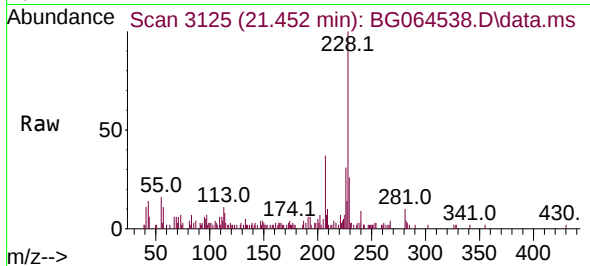
Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.8	34.2
229	25.8	15.4	23.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.395 min Scan# 3626

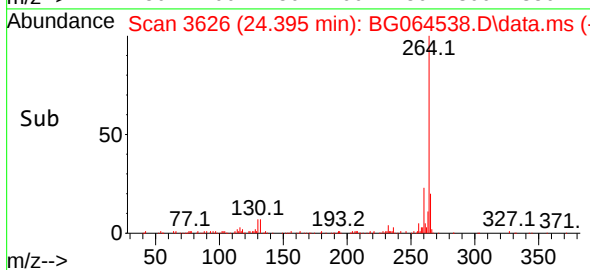
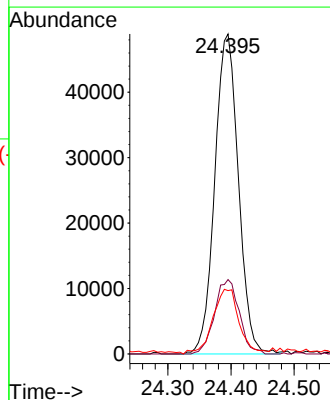
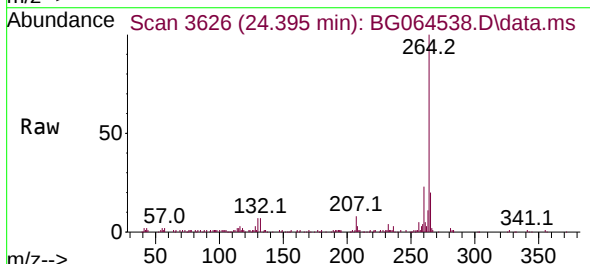
Delta R.T. 0.006 min

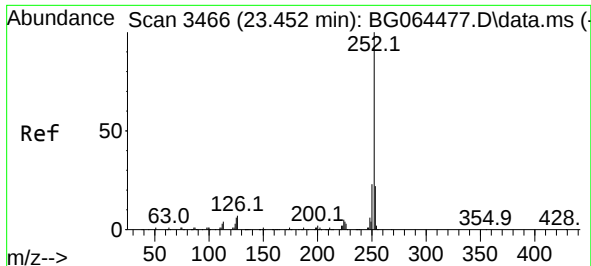
Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

Tgt Ion:264 Resp: 127010

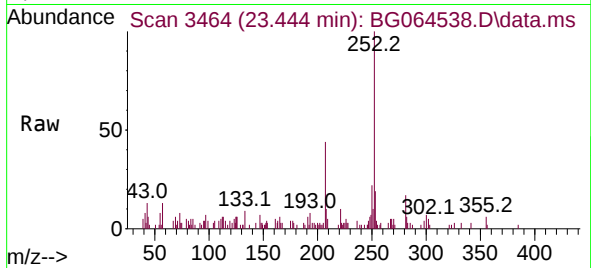
Ion	Ratio	Lower	Upper
264	100		
260	23.2	16.2	24.4
265	19.8	15.0	22.4





#88
Benzo(b)fluoranthene
Concen: 3.336 ng
RT: 23.444 min Scan# 3466
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

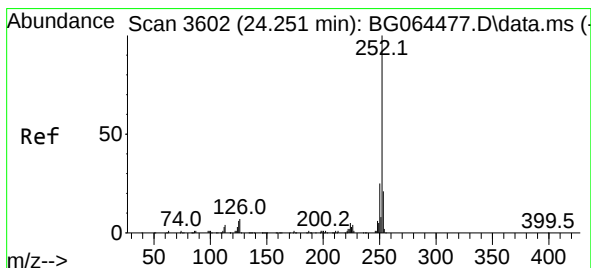
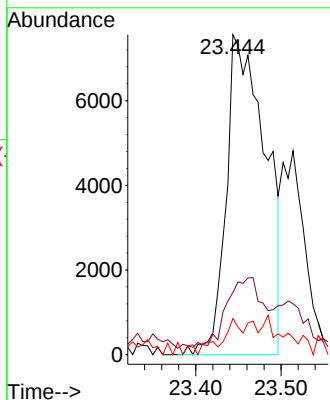
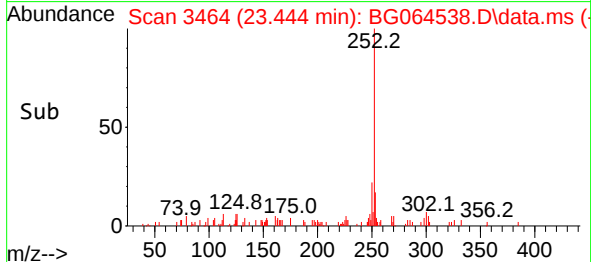
Instrument : BNA_G
ClientSampleId : COMP01-20251015



Tgt Ion:252 Resp: 24103
Ion Ratio Lower Upper
252 100
253 19.4 17.5 26.3
125 11.3 4.5 6.7

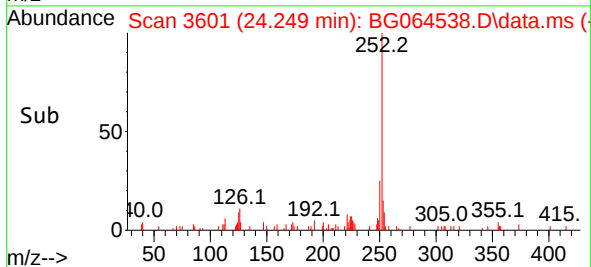
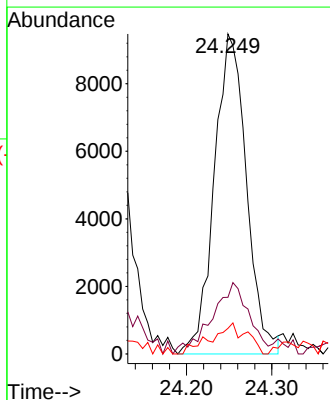
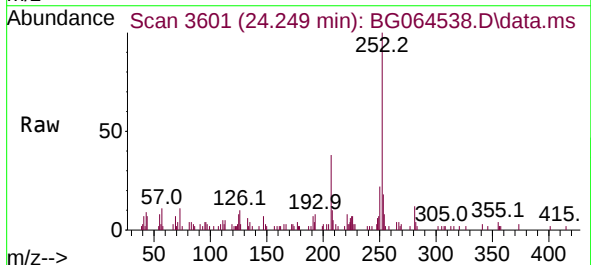
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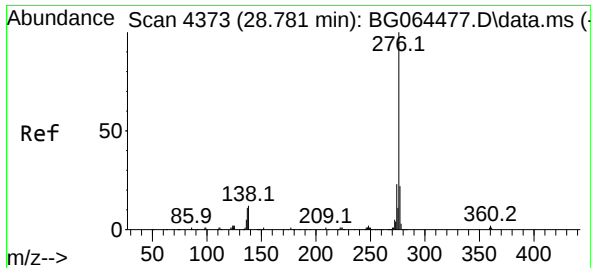
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#90
Benzo(a)pyrene
Concen: 3.727 ng
RT: 24.249 min Scan# 3601
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

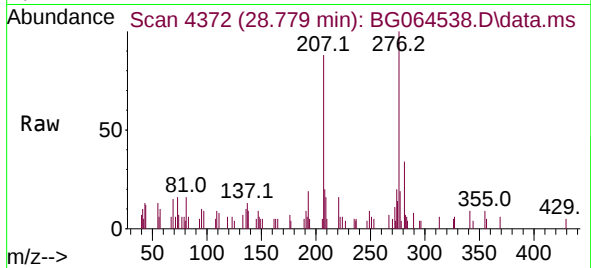
Tgt Ion:252 Resp: 24819
Ion Ratio Lower Upper
252 100
253 17.7 17.1 25.7
125 8.0 4.6 6.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.774 ng
 RT: 28.779 min Scan# 4372
 Delta R.T. 0.012 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

Instrument :
 BNA_G
 ClientSampleId :
 COMP01-20251015



Tgt Ion:276 Resp: 19058
 Ion Ratio Lower Upper
 276 100
 277 18.7 17.8 26.6
 138 8.8 9.4 14.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

