

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
 Data File : BG064781.D
 Acq On : 14 Nov 2025 16:00
 Operator : RC/JU
 Sample : Q3633-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-342

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025

Quant Time: Nov 14 16:39:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	39451	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	152765	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	124633	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	304356	20.000	ng	0.00
76) Chrysene-d12	21.751	240	333502	20.000	ng	0.00
86) Perylene-d12	25.018	264	356161	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	168756	74.696	ng	0.00
7) Phenol-d6	7.304	99	223894	74.510	ng	0.00
23) Nitrobenzene-d5	9.325	82	146844	47.526	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	177855	73.169	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	425695	47.659	ng	0.00
79) Terphenyl-d14	20.089	244	921444	54.349	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.501	152	52390	4.348	ng	93
71) Phenanthrene	17.544	178	127409	7.651	ng	99
72) Anthracene	17.633	178	66958	3.943	ng	99
75) Fluoranthene	19.536	202	558454	24.525	ng	99
78) Pyrene	19.901	202	620796	33.213	ng	97
81) Benzo(a)anthracene	21.734	228	513288	22.635	ng	95
83) Chrysene	21.798	228	568448	26.589	ng	99
84) Bis(2-ethylhexyl)phtha...	21.634	149	21167	2.203	ng	98
87) Indeno(1,2,3-cd)pyrene	28.737	276	458695	18.746	ng	# 96
88) Benzo(b)fluoranthene	23.984	252	1033743	45.609	ng	97
89) Benzo(k)fluoranthene	24.043	252	338841m	14.880	ng	
90) Benzo(a)pyrene	24.865	252	642906	30.578	ng	98
91) Dibenzo(a,h)anthracene	28.778	278	118984	5.936	ng	94
92) Benzo(g,h,i)perylene	29.895	276	434838	22.540	ng	99

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

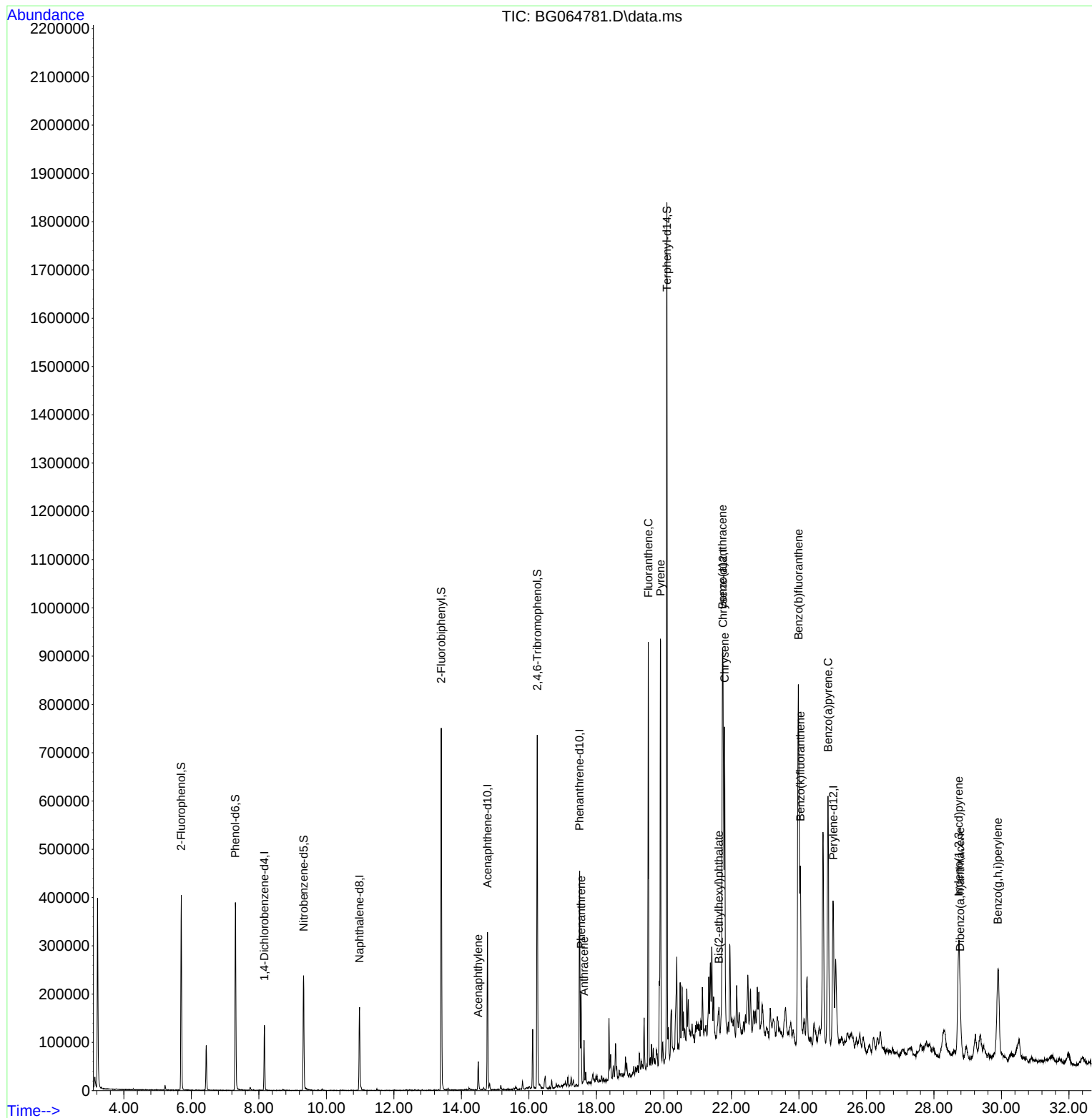
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064781.D
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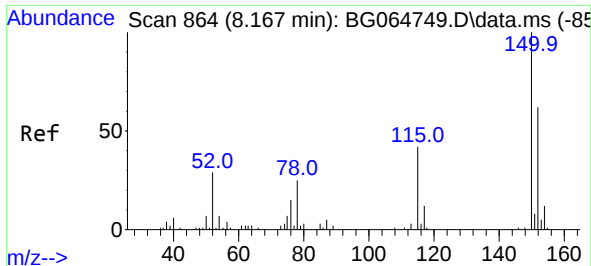
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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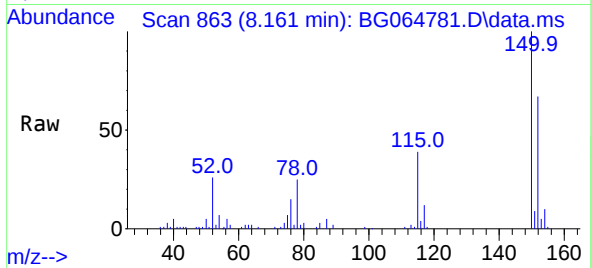
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 863
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

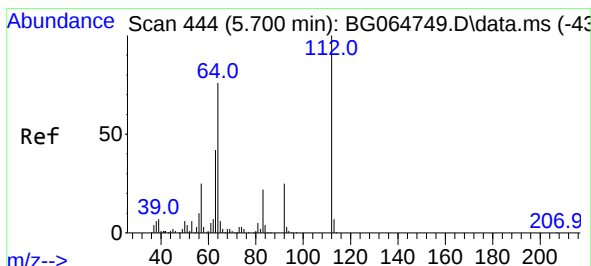
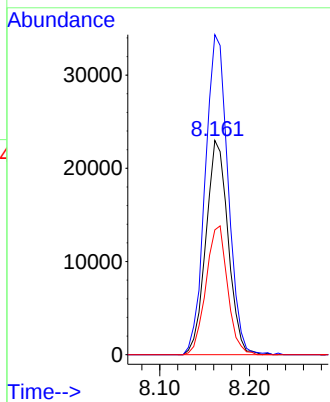
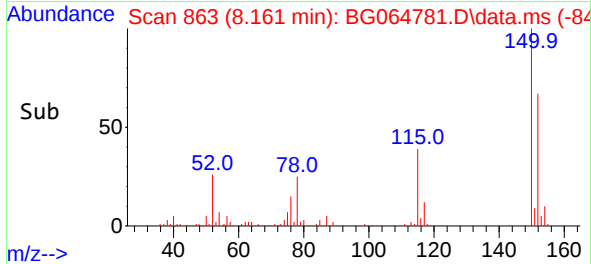
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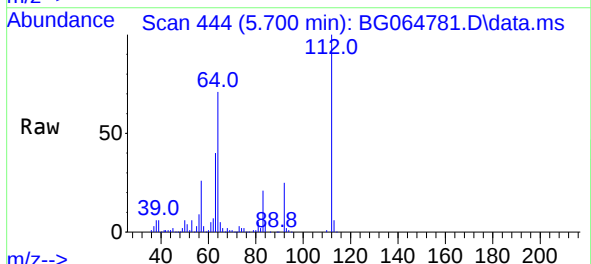
Tgt Ion:152 Resp: 3945
Ion Ratio Lower Upper
152 100
150 149.4 129.2 193.8
115 58.3 53.7 80.5

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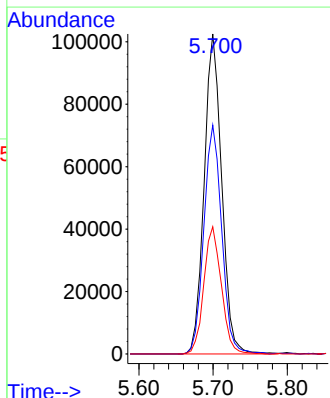
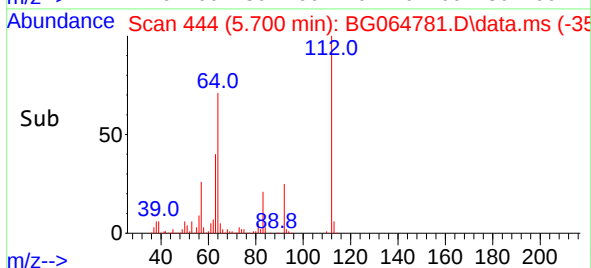
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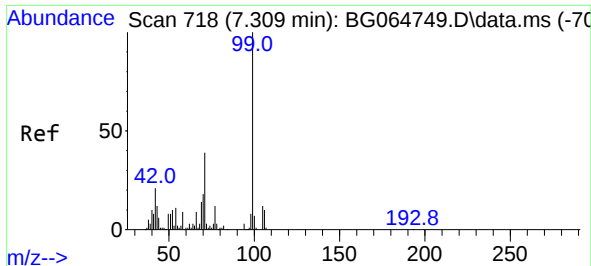


#5
2-Fluorophenol
Concen: 74.696 ng
RT: 5.700 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



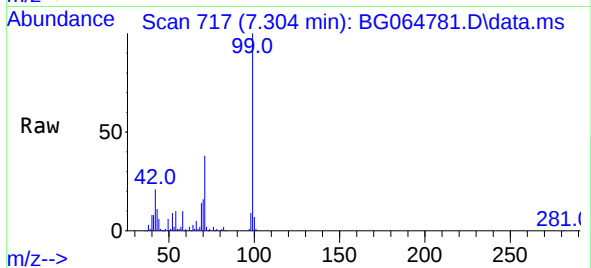
Tgt Ion:112 Resp: 168756
Ion Ratio Lower Upper
112 100
64 71.5 61.0 91.4
63 39.8 33.3 49.9





#7
Phenol-d6
Concen: 74.510 ng
RT: 7.304 min Scan# 718
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

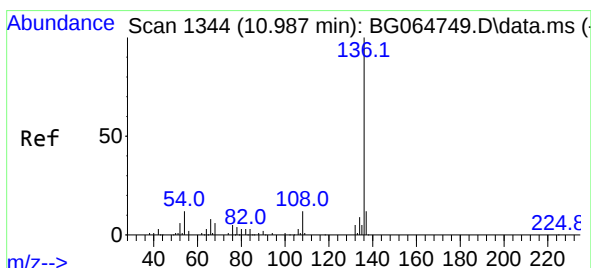
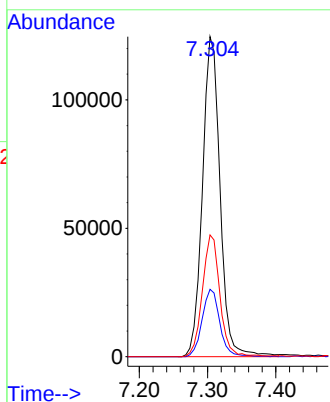
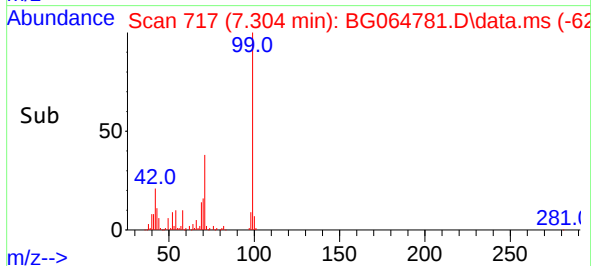
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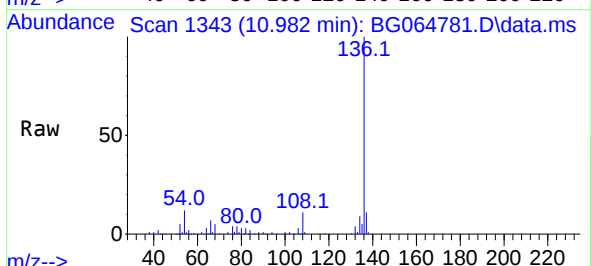
Tgt Ion: 99 Resp: 223894
Ion Ratio Lower Upper
99 100
42 21.0 16.8 25.2
71 38.1 31.1 46.7

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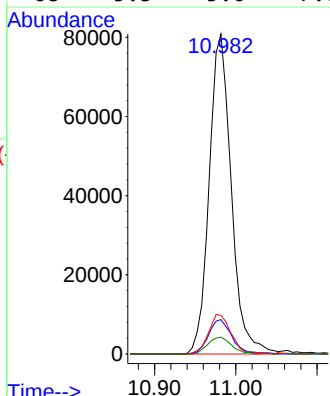
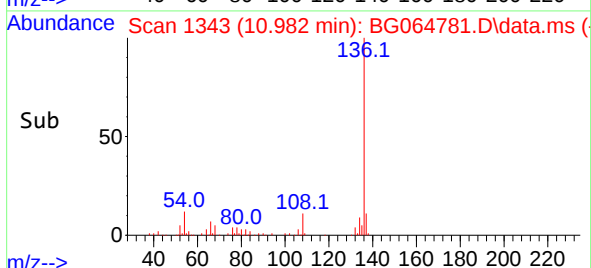
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

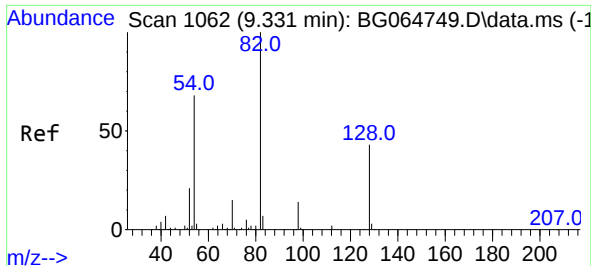


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1343
Delta R.T. -0.005 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



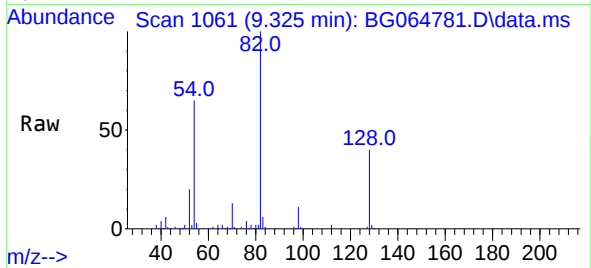
Tgt Ion:136 Resp: 152765
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 12.0 9.3 13.9
68 5.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 47.526 ng
RT: 9.325 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

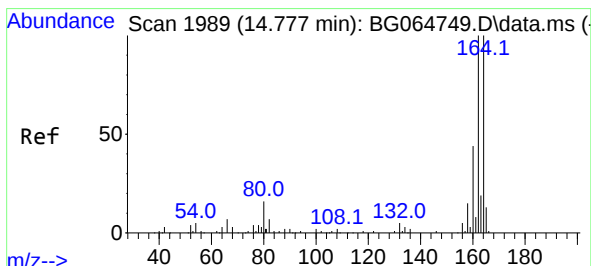
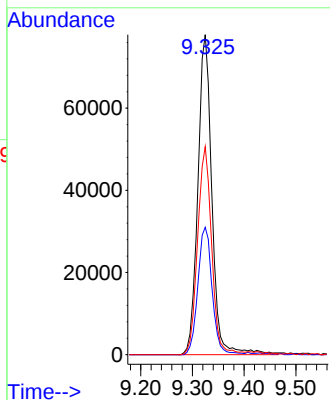
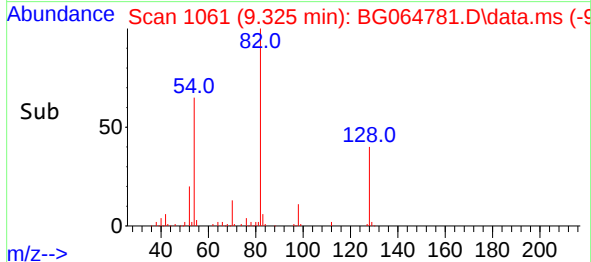
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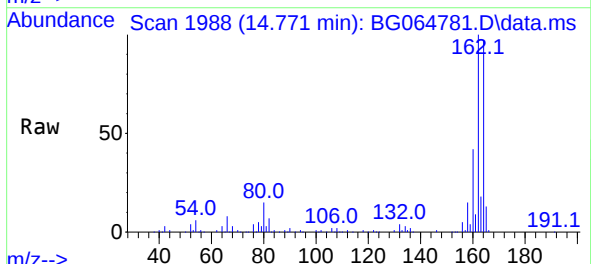
Tgt Ion: 82 Resp: 146844
Ion Ratio Lower Upper
82 100
128 39.8 34.1 51.1
54 65.0 54.3 81.5

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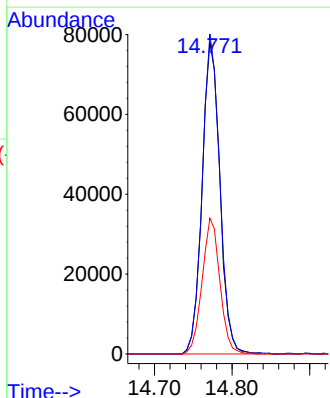
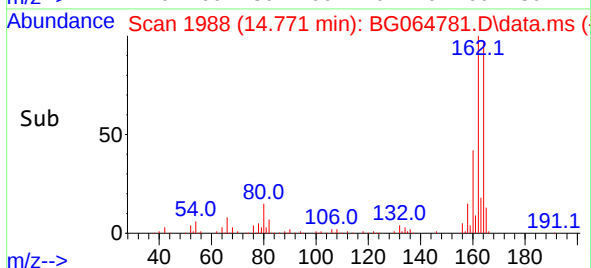
Reviewed By :Jagrut Upadhyay 11/17/2025
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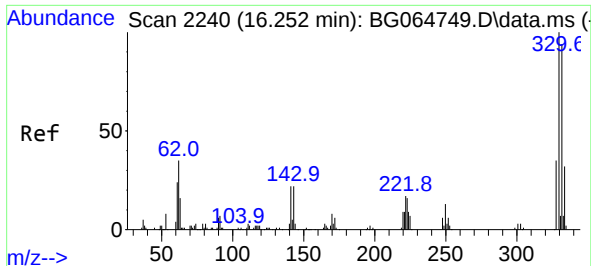


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion:164 Resp: 124633
Ion Ratio Lower Upper
164 100
162 102.7 79.8 119.6
160 43.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 73.169 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

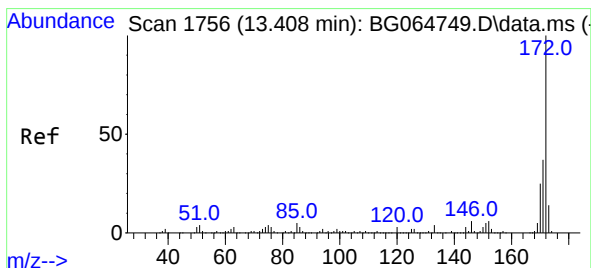
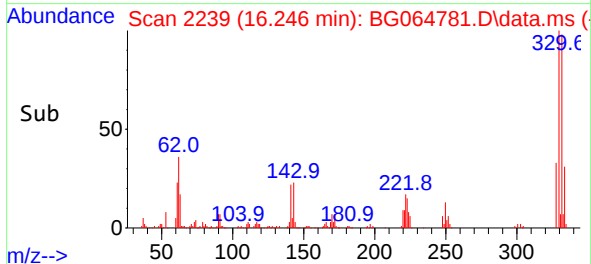
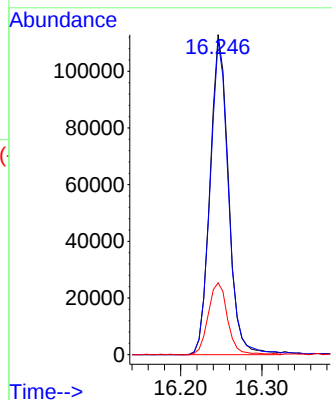
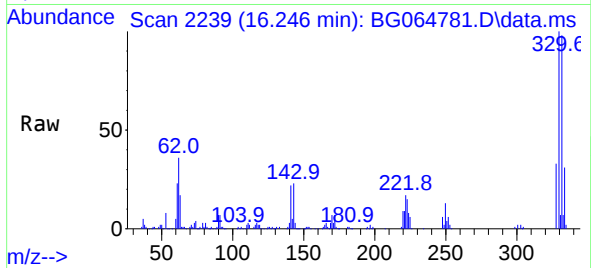
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Tgt Ion:330 Resp: 17785
Ion Ratio Lower Upper
330 100
332 98.4 77.0 115.6
141 23.4 18.2 27.2

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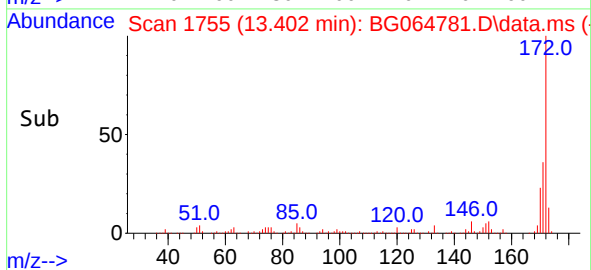
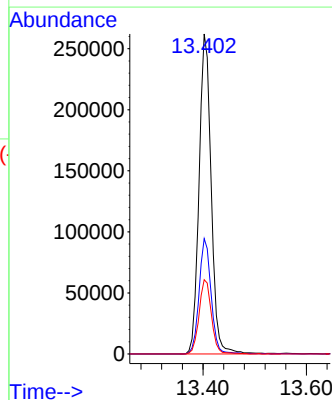
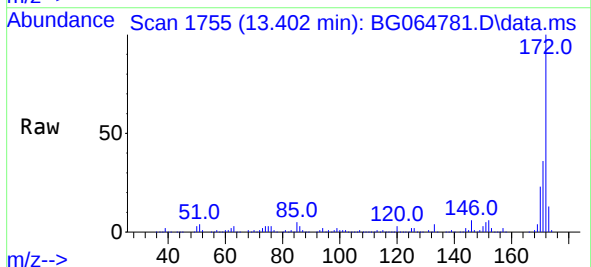
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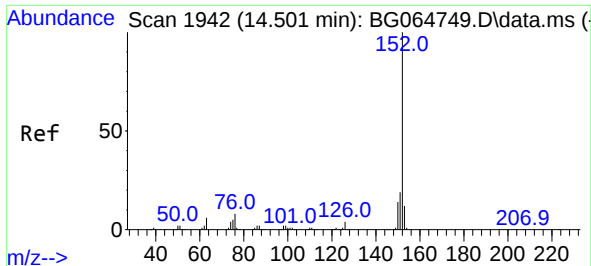
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#45
2-Fluorobiphenyl
Concen: 47.659 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

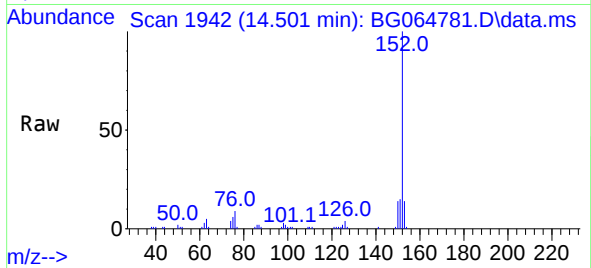
Tgt Ion:172 Resp: 425695
Ion Ratio Lower Upper
172 100
171 36.0 29.9 44.9
170 23.2 19.8 29.6





#49
Acenaphthylene
Concen: 4.348 ng
RT: 14.501 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

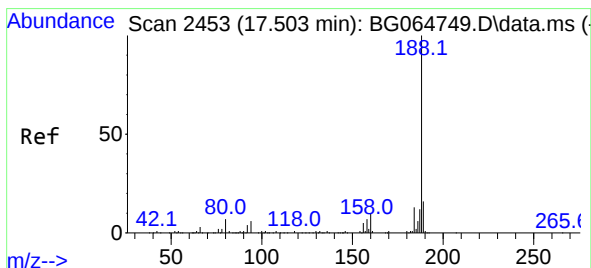
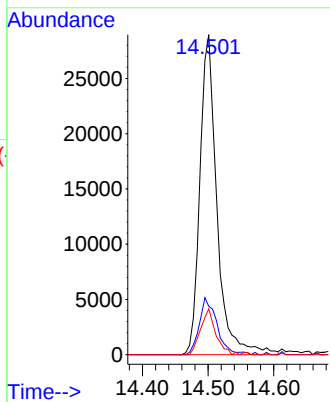
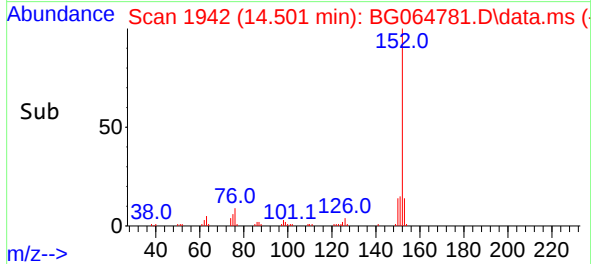
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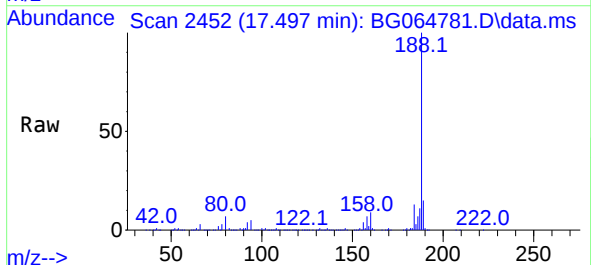
Tgt Ion:152 Resp: 52390
Ion Ratio Lower Upper
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151 15.2 15.0 22.4
153 14.3 9.9 14.9

Manual Integrations
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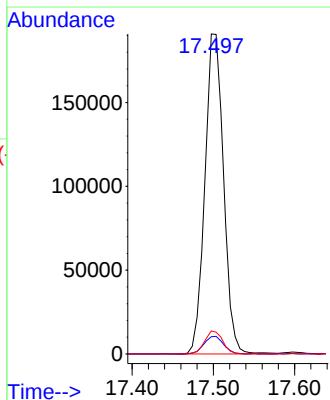
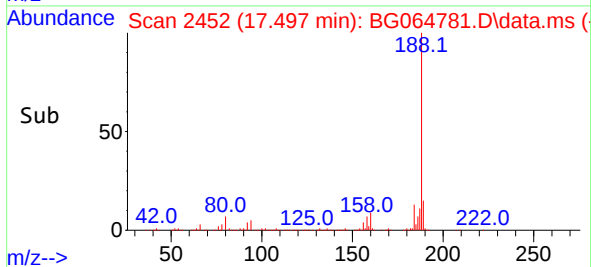
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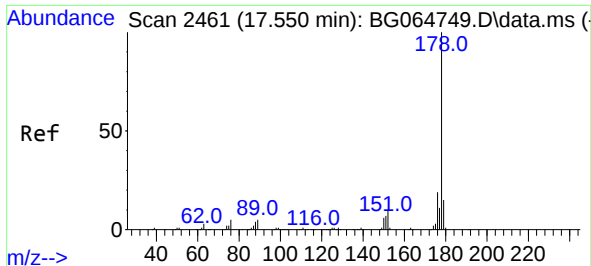


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



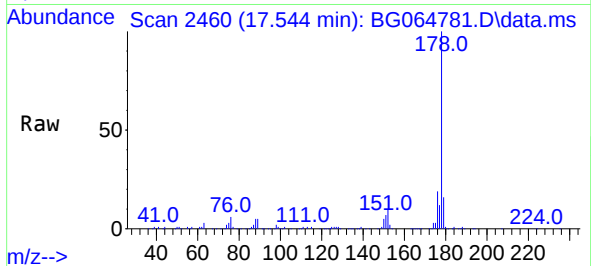
Tgt Ion:188 Resp: 304356
Ion Ratio Lower Upper
188 100
94 5.4 4.7 7.1
80 7.2 5.4 8.2





#71
Phenanthrene
Concen: 7.651 ng
RT: 17.544 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

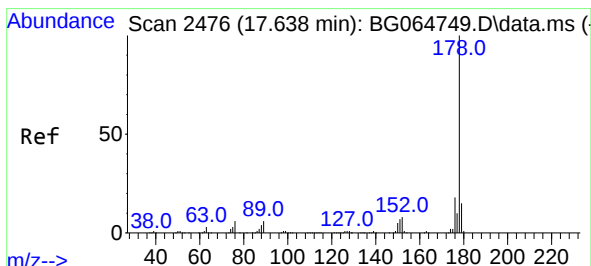
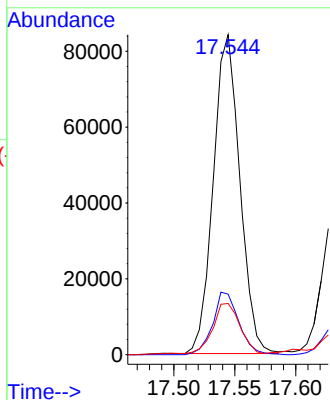
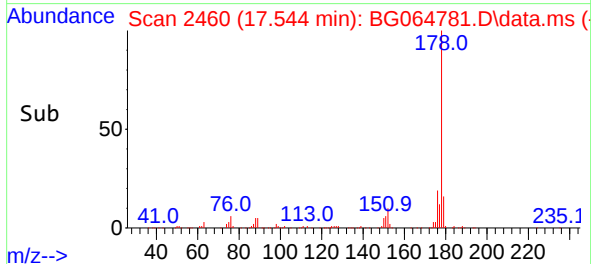
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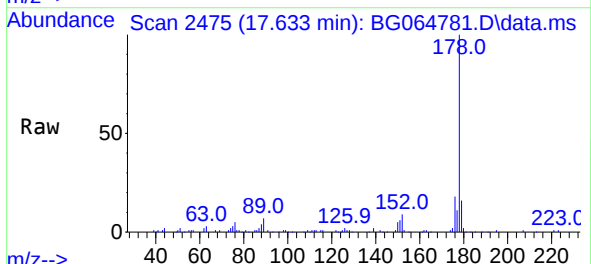
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Ion Ratio Lower Upper
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176 18.9 14.8 22.2
179 16.0 12.2 18.4

Manual Integrations
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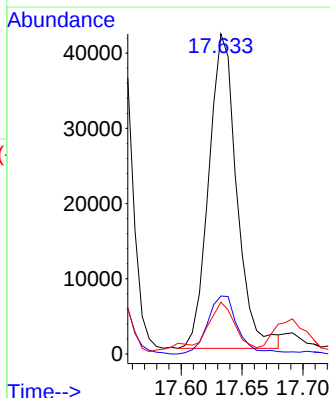
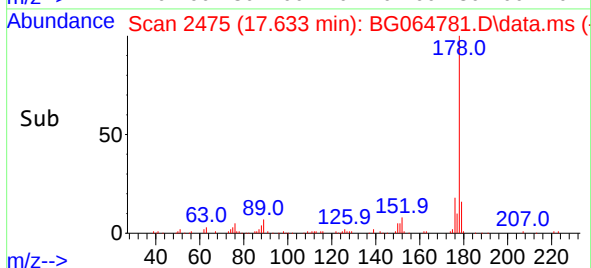
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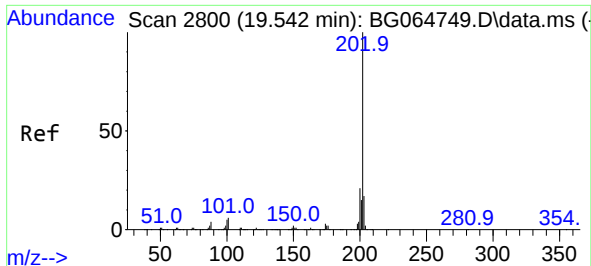


#72
Anthracene
Concen: 3.943 ng
RT: 17.633 min Scan# 2475
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



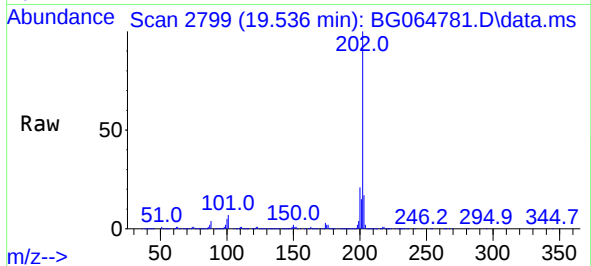
Tgt Ion:178 Resp: 66958
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 16.2 12.2 18.4





#75
Fluoranthene
Concen: 24.525 ng
RT: 19.536 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

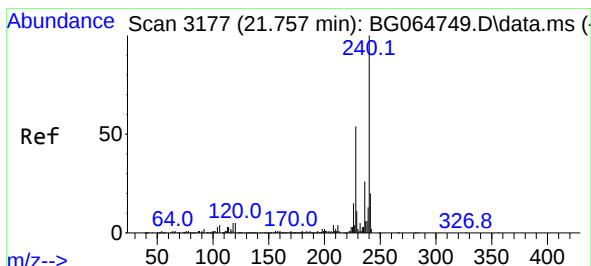
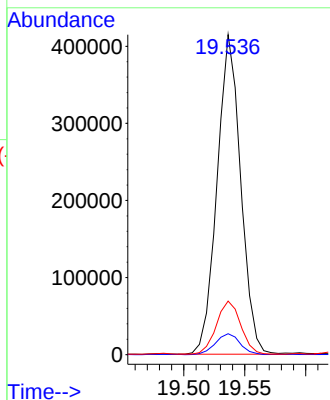
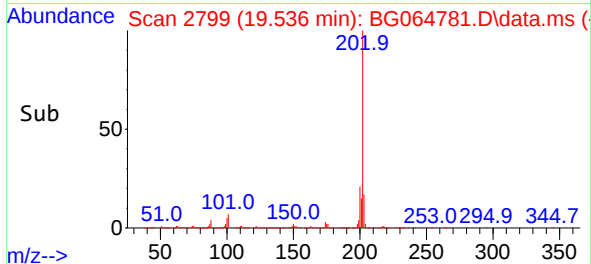
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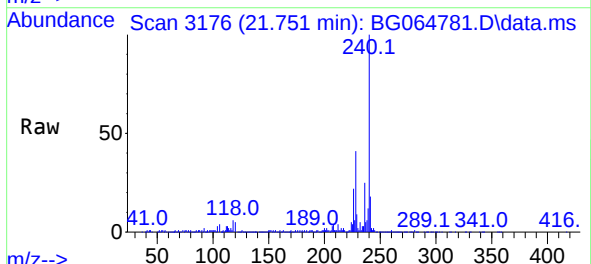
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Ion Ratio Lower Upper
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203 16.8 0.0 37.5

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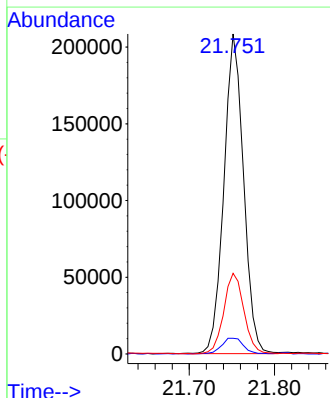
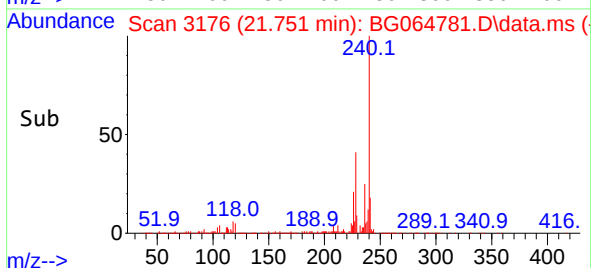
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

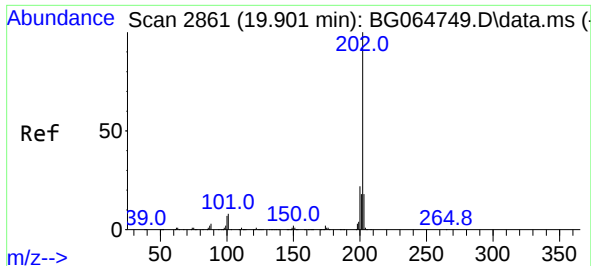


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion:240 Resp: 333502
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.4
236 25.2 20.8 31.2





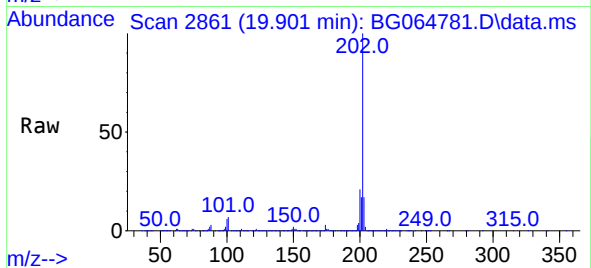
#78
Pyrene
Concen: 33.213 ng
RT: 19.901 min Scan# 2861
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

ClientSampleId :

ETGI-342

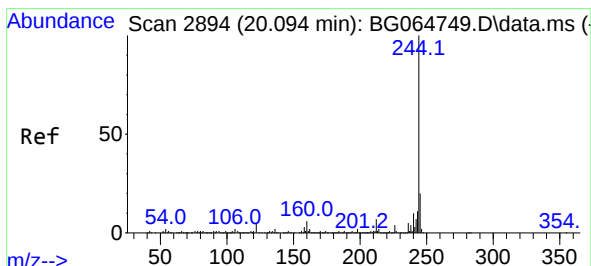
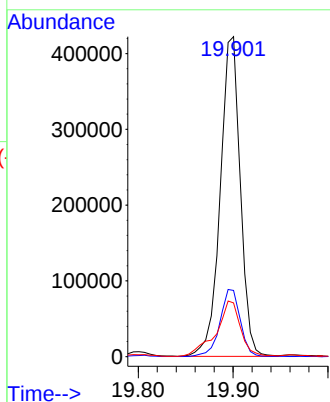
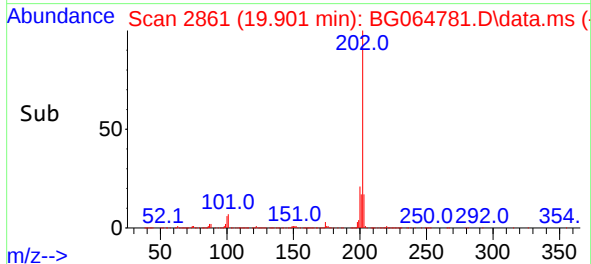


Tgt Ion:202 Resp: 620790
Ion Ratio Lower Upper
202 100
200 20.7 17.9 26.9
203 16.8 14.0 21.0

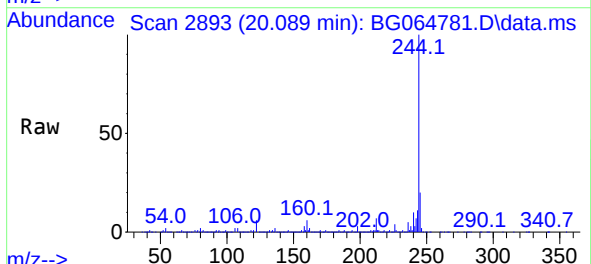
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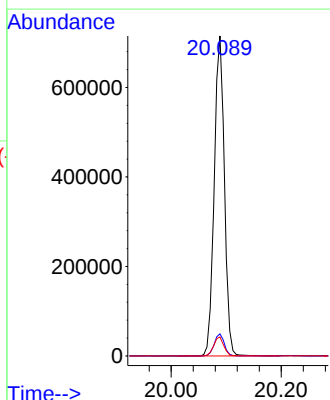
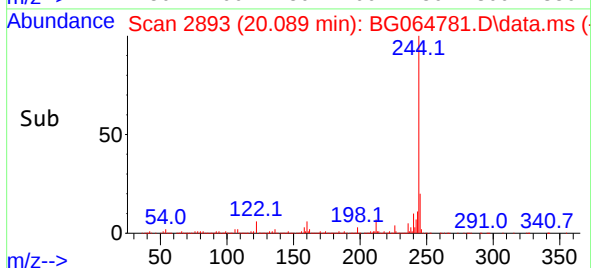
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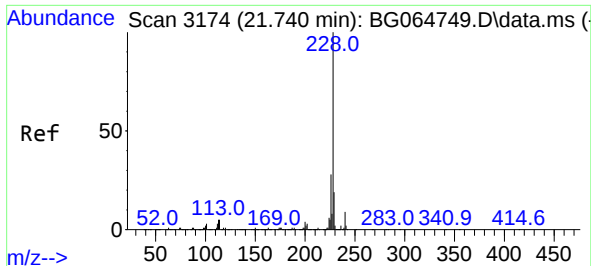


#79
Terphenyl-d14
Concen: 54.349 ng
RT: 20.089 min Scan# 2893
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



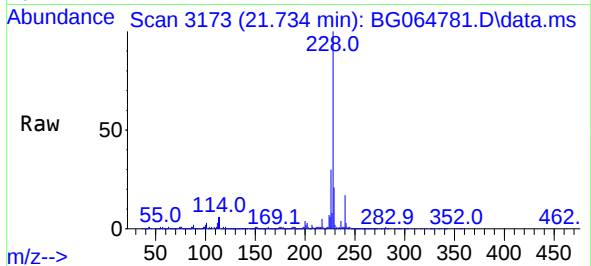
Tgt Ion:244 Resp: 921444
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 6.0 4.3 6.5





#81
Benzo(a)anthracene
Concen: 22.635 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

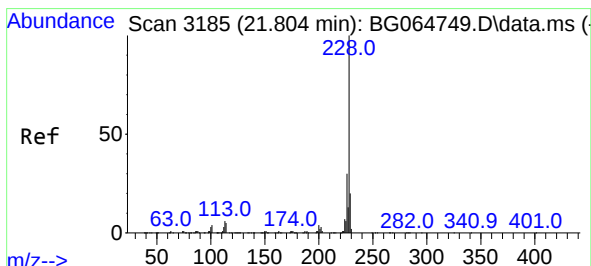
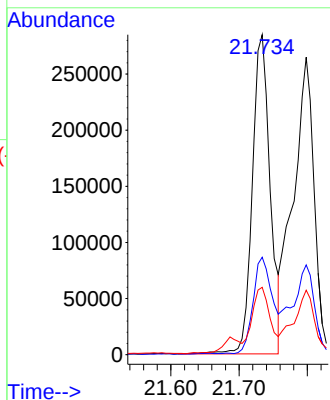
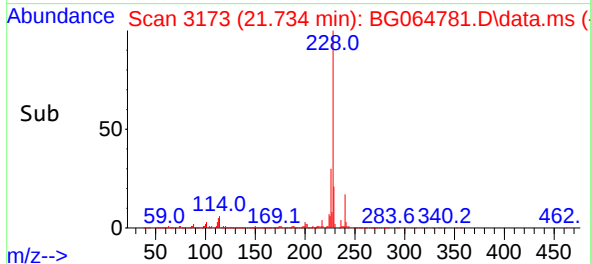
Instrument :
BNA_G
ClientSampleId :
ETGI-342



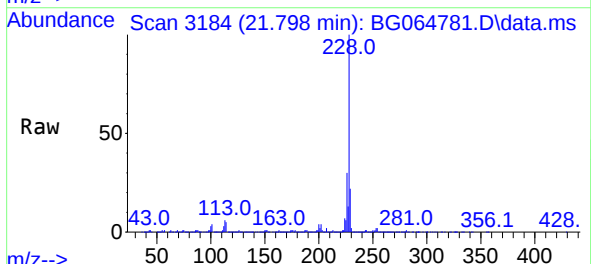
Tgt Ion:228 Resp: 51328
Ion Ratio Lower Upper
228 100
226 30.5 22.1 33.1
229 21.0 15.5 23.3

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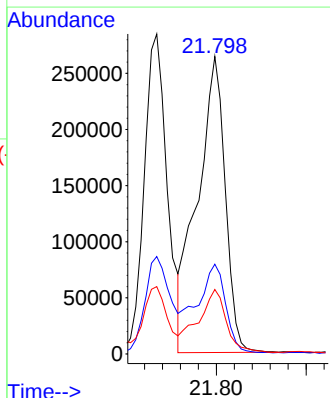
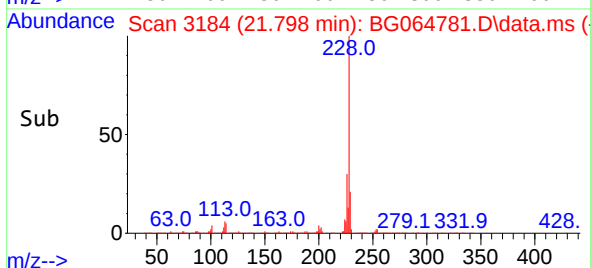
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

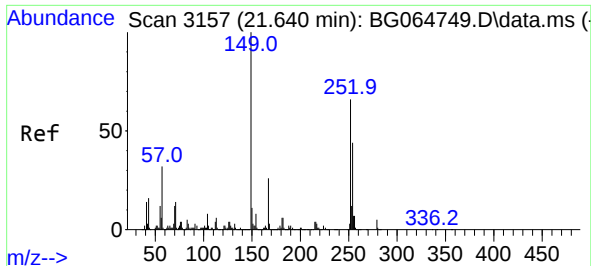


#83
Chrysene
Concen: 26.589 ng
RT: 21.798 min Scan# 3184
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion:228 Resp: 568448
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 21.7 16.0 24.0





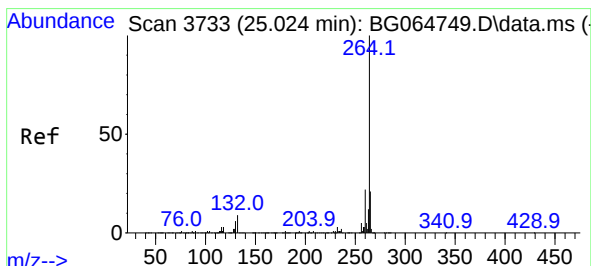
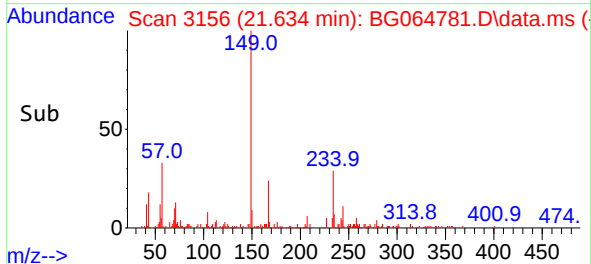
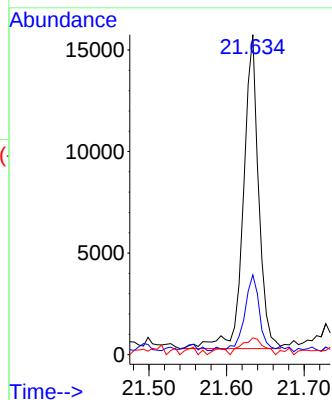
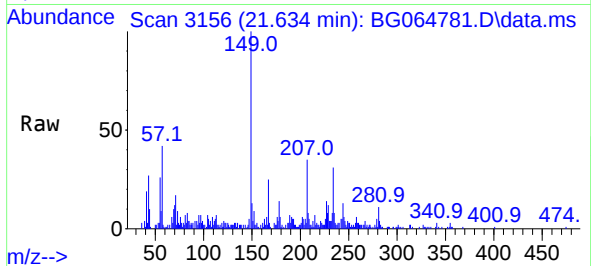
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.203 ng
RT: 21.634 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :
BNA_G
ClientSampleId :
ETGI-342

Tgt Ion:149 Resp: 2116
Ion Ratio Lower Upper
149 100
167 25.0 21.0 31.4
279 5.3 4.1 6.1

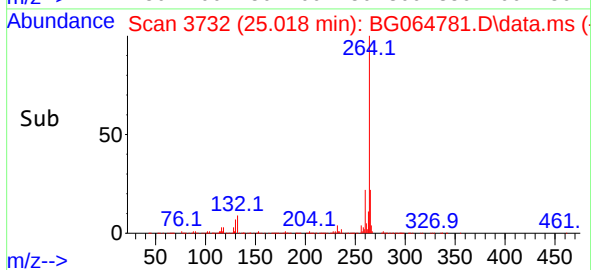
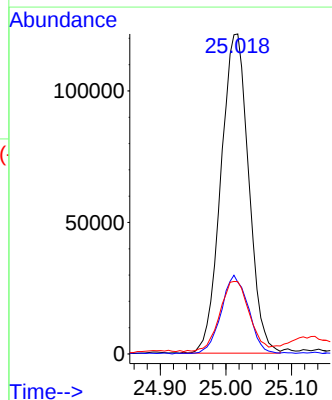
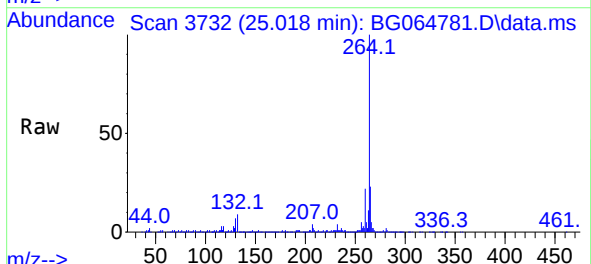
Manual Integrations
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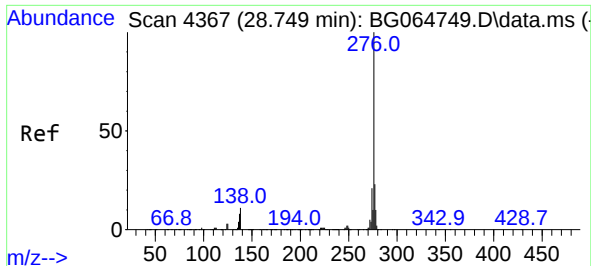
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3732
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

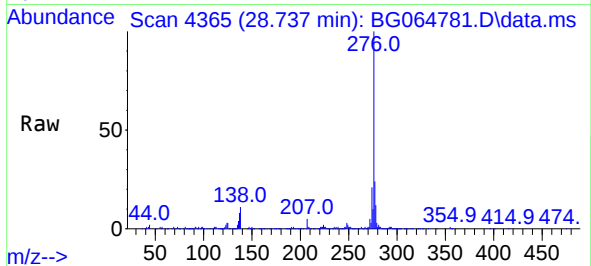
Tgt Ion:264 Resp: 356161
Ion Ratio Lower Upper
264 100
260 22.4 17.2 25.8
265 22.6 16.6 25.0





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.746 ng
 RT: 28.737 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BG064781.D
 Acq: 14 Nov 2025 16:00

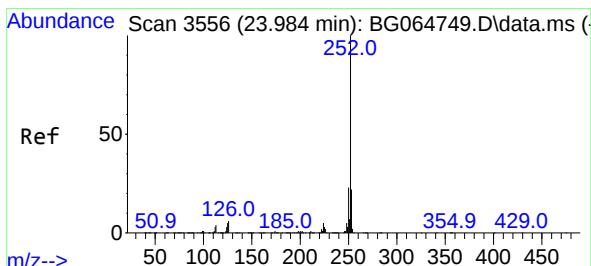
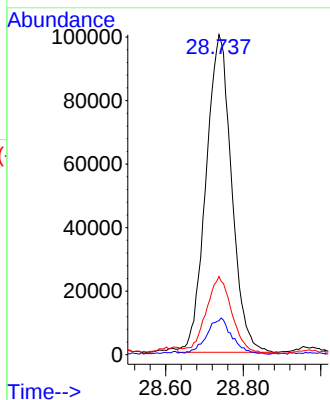
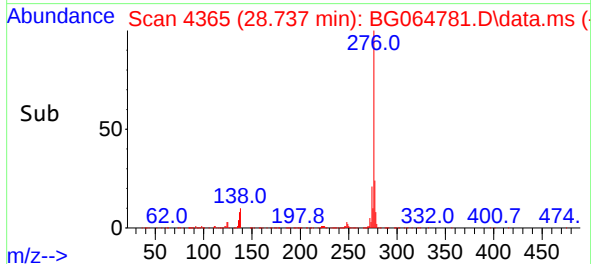
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-342



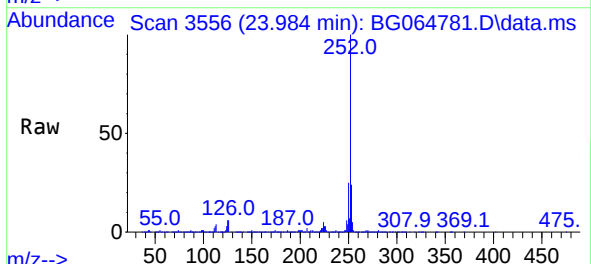
Tgt Ion:276 Resp: 45869
 Ion Ratio Lower Upper
 276 100
 138 11.3 4.5 6.7
 277 24.3 20.0 30.0

Manual Integrations
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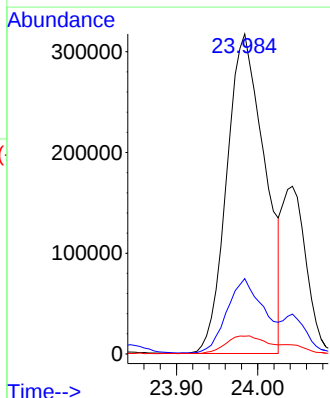
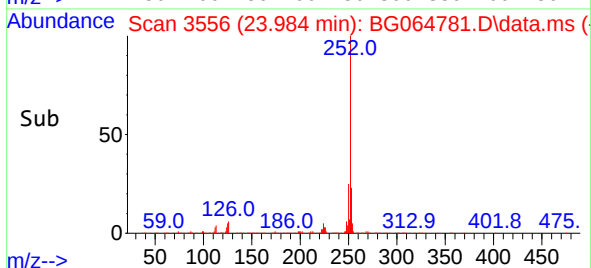
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025

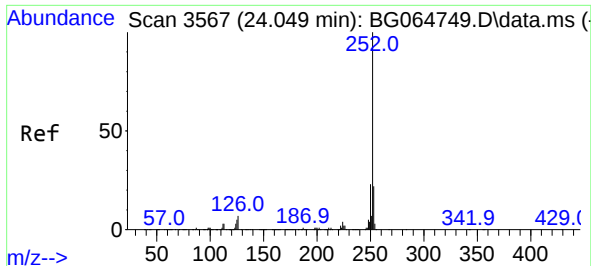


#88
 Benzo(b)fluoranthene
 Concen: 45.609 ng
 RT: 23.984 min Scan# 3556
 Delta R.T. -0.000 min
 Lab File: BG064781.D
 Acq: 14 Nov 2025 16:00



Tgt Ion:252 Resp: 1033743
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.4 26.2
 125 5.5 4.2 6.2





#89
Benzo(k)fluoranthene
Concen: 14.880 ng m
RT: 24.043 min Scan# 3567
Delta R.T. -0.006 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

Instrument :

BNA_G

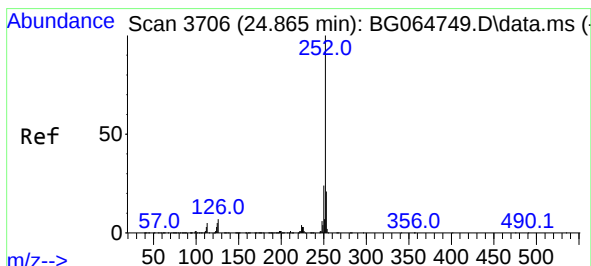
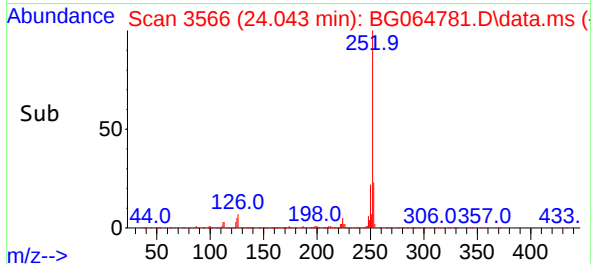
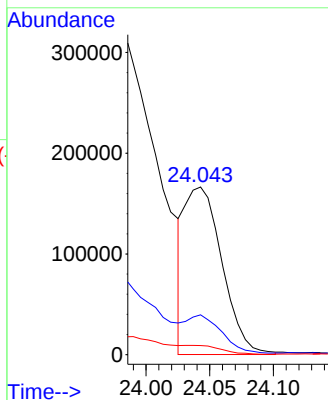
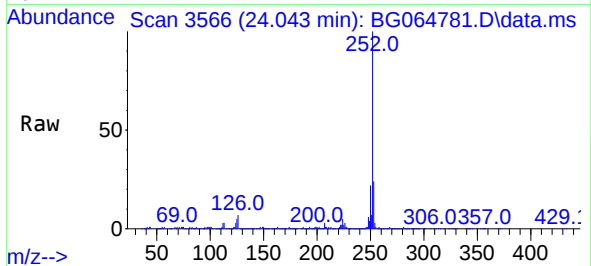
ClientSampleId :

ETGI-342

Tgt Ion:252 Resp: 33884
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 5.4 4.1 6.1

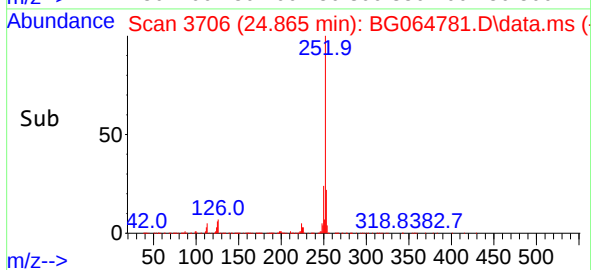
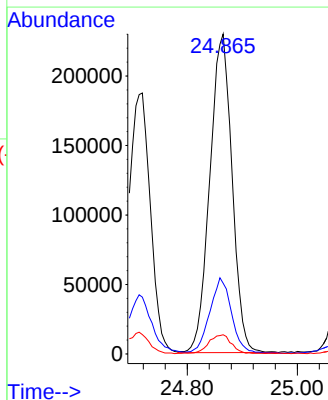
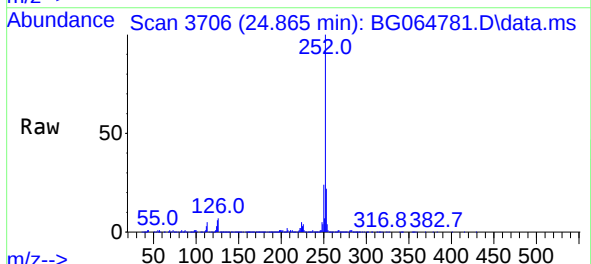
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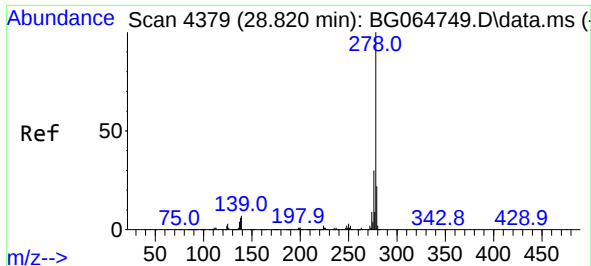
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#90
Benzo(a)pyrene
Concen: 30.578 ng
RT: 24.865 min Scan# 3706
Delta R.T. -0.000 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

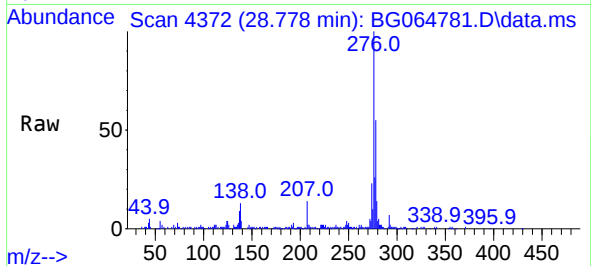
Tgt Ion:252 Resp: 642906
Ion Ratio Lower Upper
252 100
253 22.1 16.9 25.3
125 6.0 4.2 6.4





#91
Dibenzo(a,h)anthracene
Concen: 5.936 ng
RT: 28.778 min Scan# 41
Delta R.T. -0.041 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00

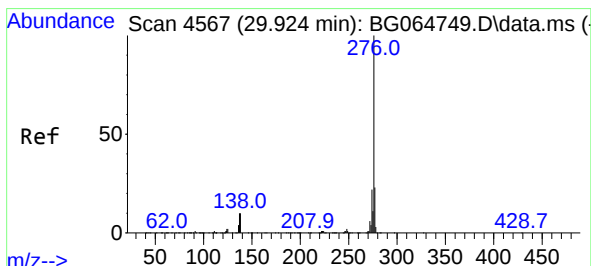
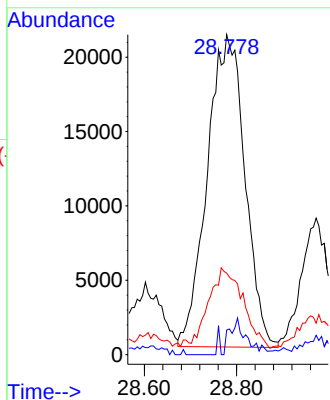
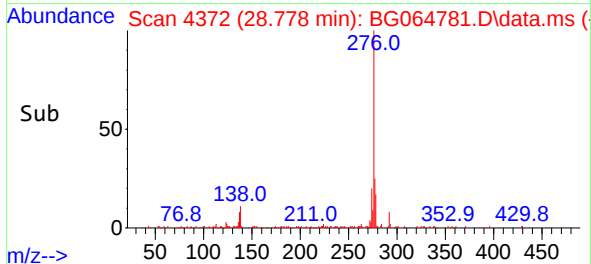
Instrument :
BNA_G
ClientSampleId :
ETGI-342



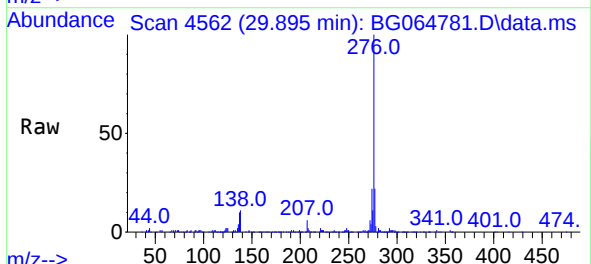
Tgt Ion:278 Resp: 118984
Ion Ratio Lower Upper
278 100
139 7.7 5.8 8.8
279 25.5 17.3 25.9

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Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#92
Benzo(g,h,i)perylene
Concen: 22.540 ng
RT: 29.895 min Scan# 4562
Delta R.T. -0.029 min
Lab File: BG064781.D
Acq: 14 Nov 2025 16:00



Tgt Ion:276 Resp: 434838
Ion Ratio Lower Upper
276 100
277 22.4 18.0 27.0
138 10.8 8.2 12.2

