

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064658.D
 Acq On : 31 Oct 2025 16:12
 Operator : RC/JU
 Sample : Q3504-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11986

Quant Time: Oct 31 16:51:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

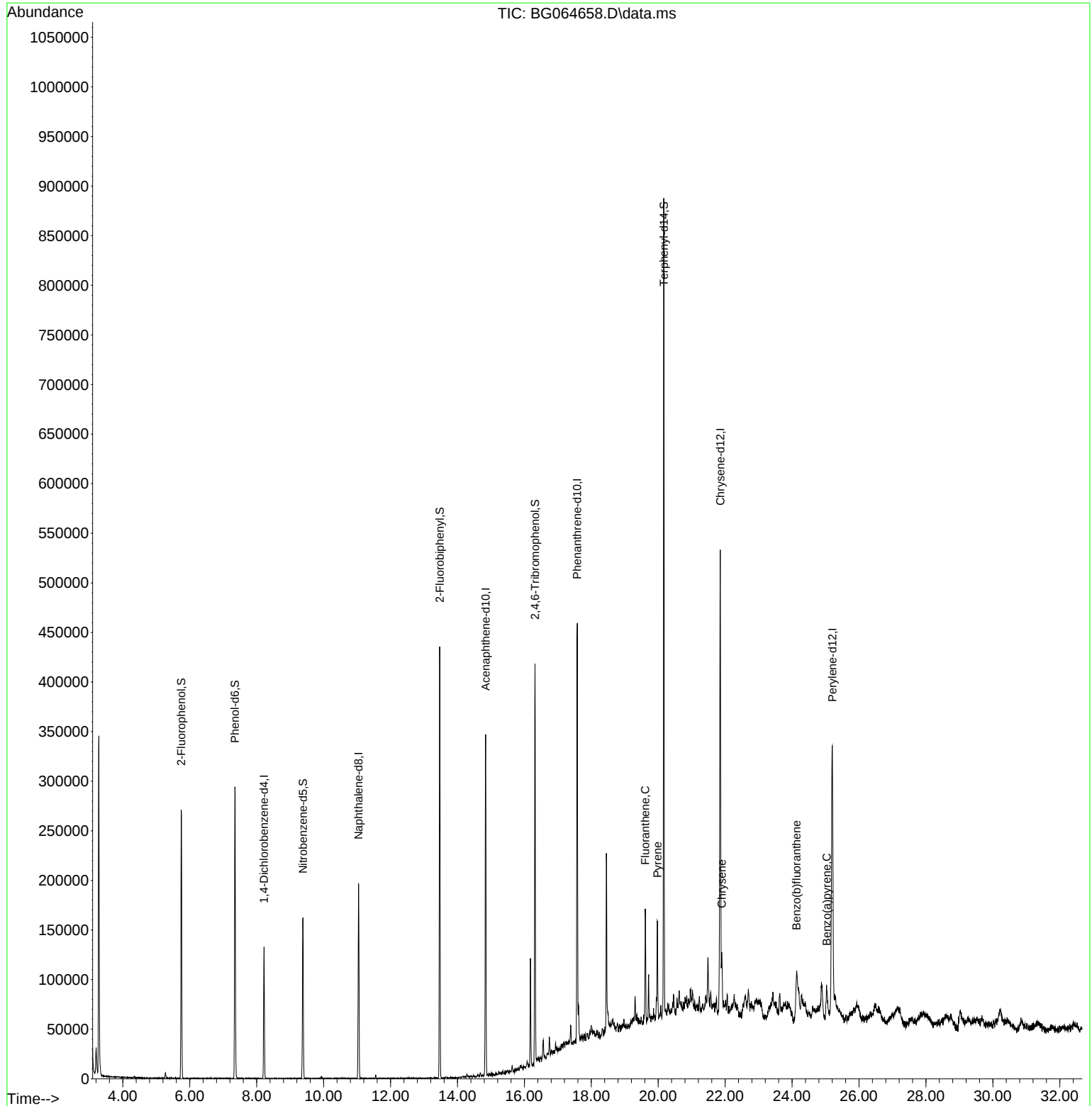
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	37238	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	160642	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	127037	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	274228	20.000	ng	0.00
76) Chrysene-d12	21.851	240	299375	20.000	ng	-0.01
86) Perylene-d12	25.200	264	333305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	109550	49.379	ng	0.00
7) Phenol-d6	7.351	99	163372	53.665	ng	0.00
23) Nitrobenzene-d5	9.383	82	95490	35.703	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	86658	47.263	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	231156	27.580	ng	-0.01
79) Terphenyl-d14	20.165	244	436462	27.513	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	19.613	202	73337	3.904	ng	98
78) Pyrene	19.977	202	63006	3.221	ng	98
83) Chrysene	21.898	228	40607	2.150	ng	# 90
88) Benzo(b)fluoranthene	24.131	252	56626	2.771	ng	# 97
90) Benzo(a)pyrene	25.036	252	39679	2.112	ng	94

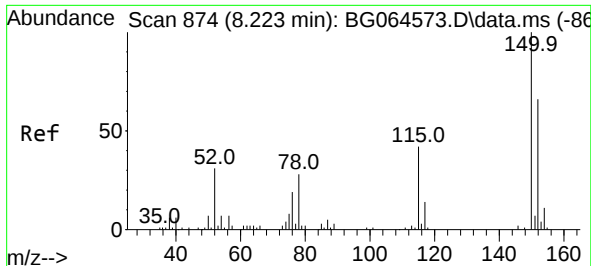
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064658.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Oct 31 16:51:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
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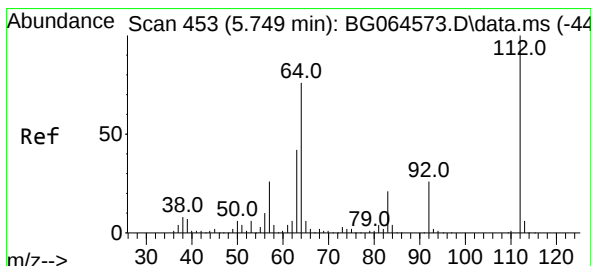
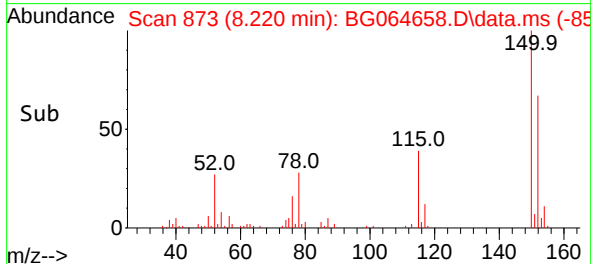
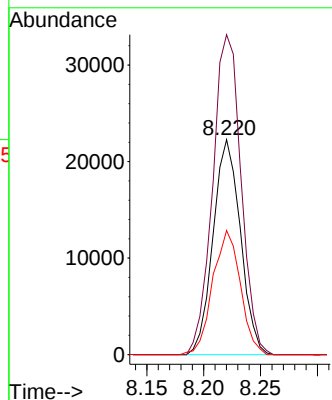
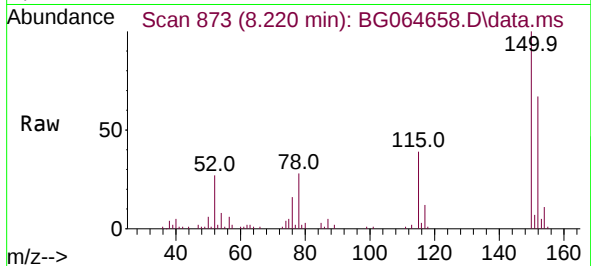




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

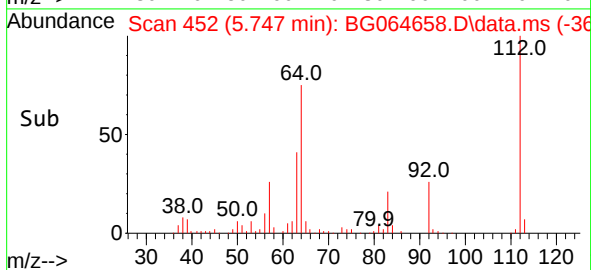
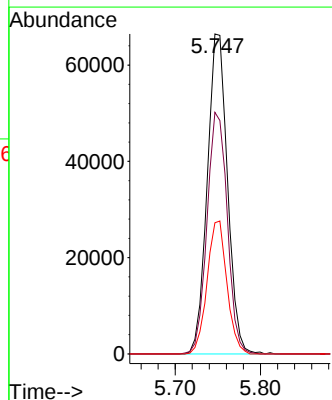
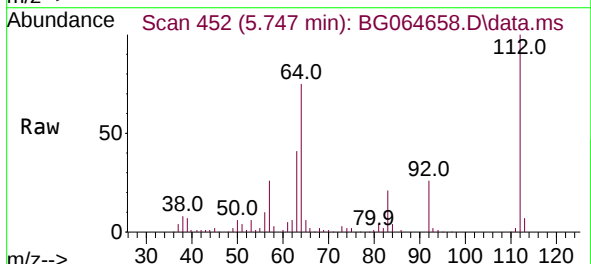
Instrument :
BNA_G
ClientSampleId :
72-11986

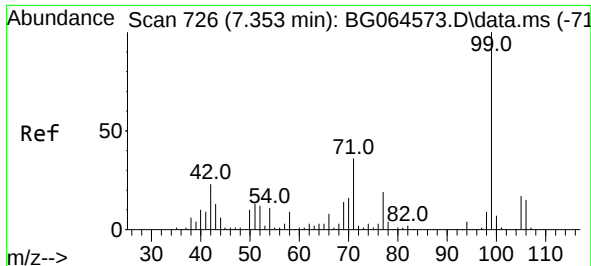
Tgt Ion:152 Resp: 37238
Ion Ratio Lower Upper
152 100
150 148.8 122.2 183.4
115 57.7 50.8 76.2



#5
2-Fluorophenol
Concen: 49.379 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:112 Resp: 109550
Ion Ratio Lower Upper
112 100
64 75.5 60.7 91.1
63 41.0 33.4 50.0

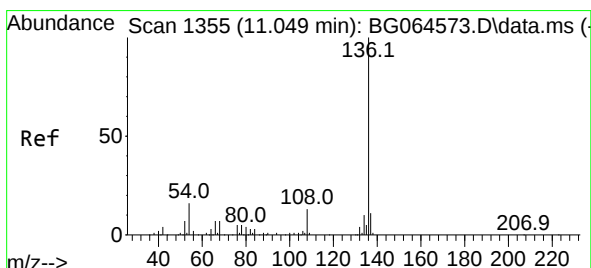
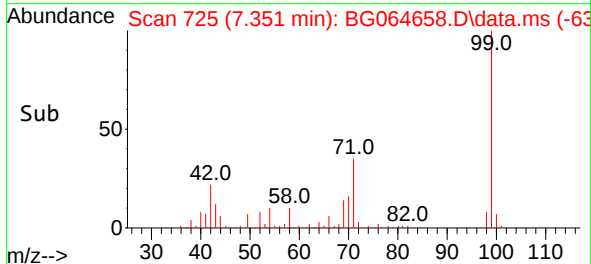
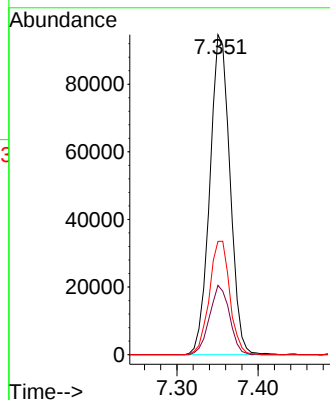
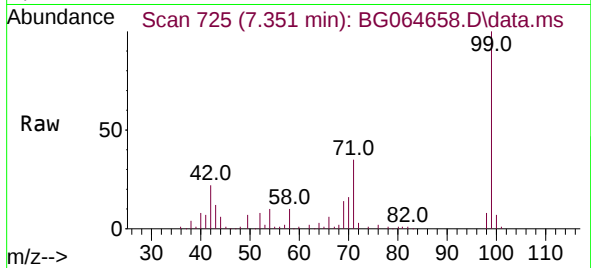




#7
Phenol-d6
Concen: 53.665 ng
RT: 7.351 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

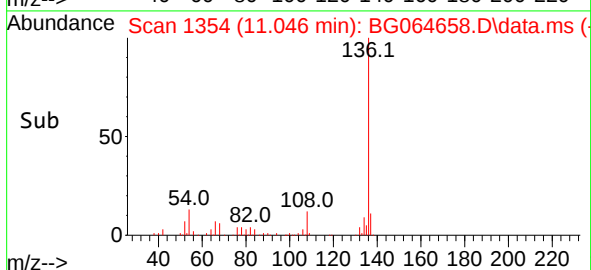
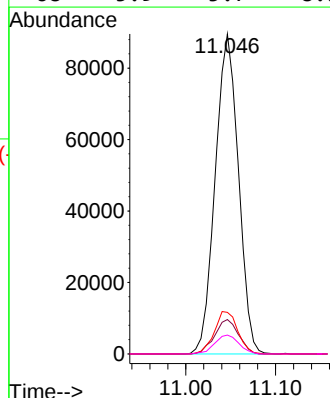
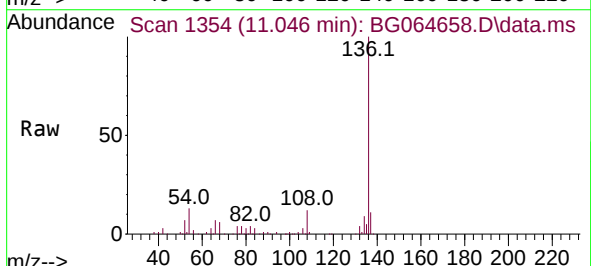
Instrument :
BNA_G
ClientSampleId :
72-11986

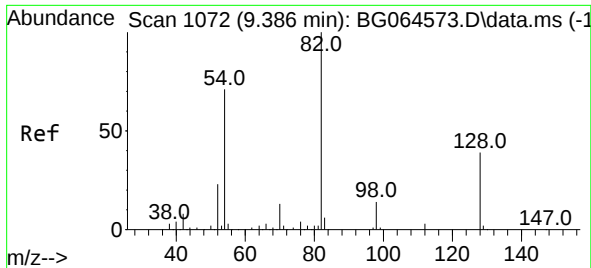
Tgt Ion: 99 Resp: 163372
Ion Ratio Lower Upper
99 100
42 21.6 18.3 27.5
71 35.4 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:136 Resp: 160642
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 13.0 12.6 19.0
68 5.9 5.7 8.5

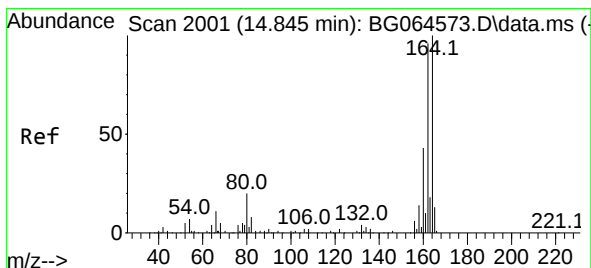
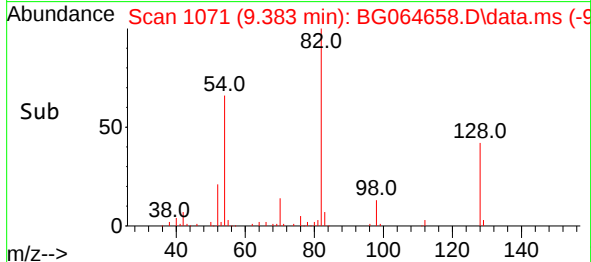
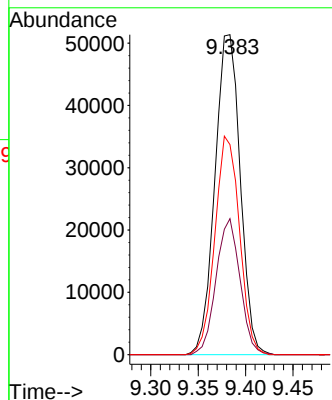
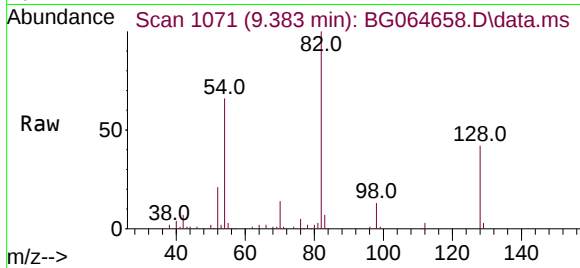




#23
Nitrobenzene-d5
Concen: 35.703 ng
RT: 9.383 min Scan# 10
Delta R.T. -0.007 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

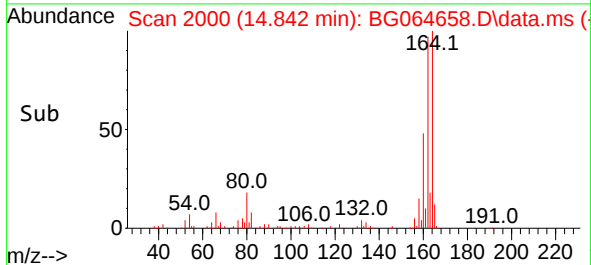
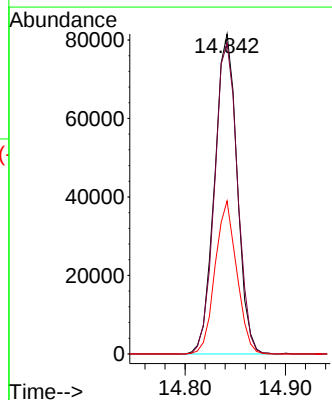
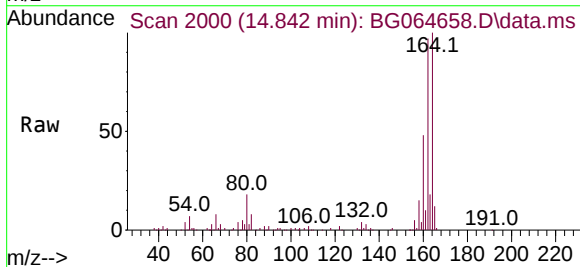
Instrument :
BNA_G
ClientSampleId :
72-11986

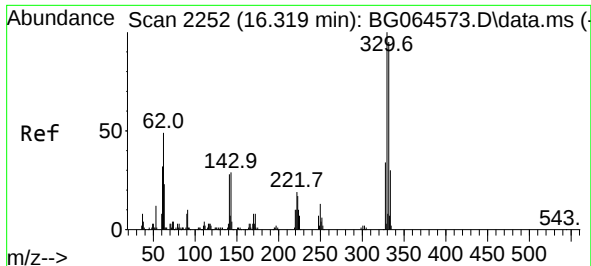
Tgt Ion: 82 Resp: 95490
Ion Ratio Lower Upper
82 100
128 42.5 31.3 46.9
54 65.6 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:164 Resp: 127037
Ion Ratio Lower Upper
164 100
162 97.1 77.0 115.6
160 47.8 34.4 51.6

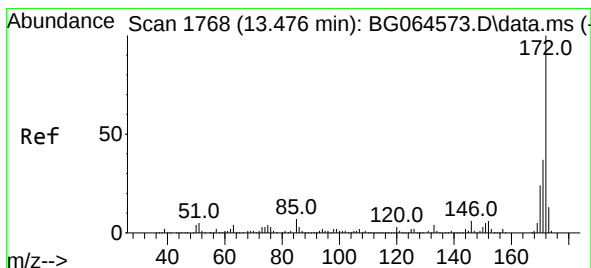
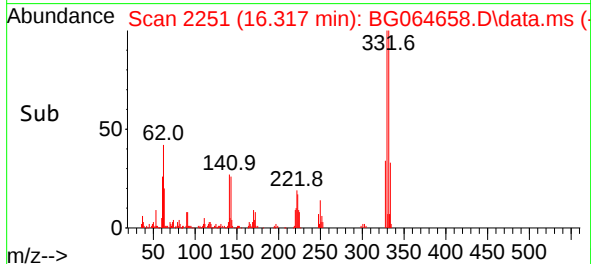
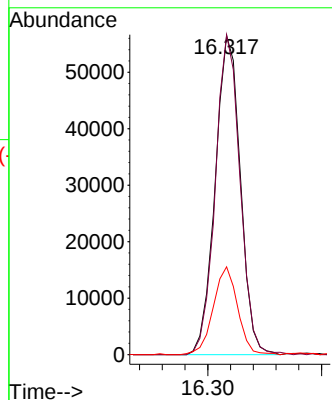
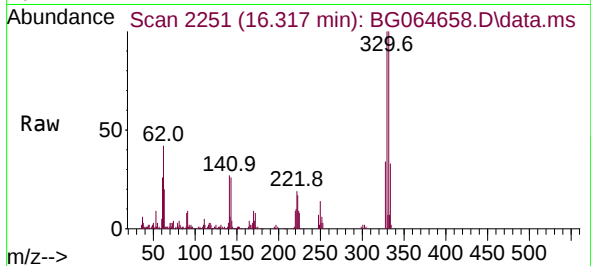




#42
2,4,6-Tribromophenol
Concen: 47.263 ng
RT: 16.317 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

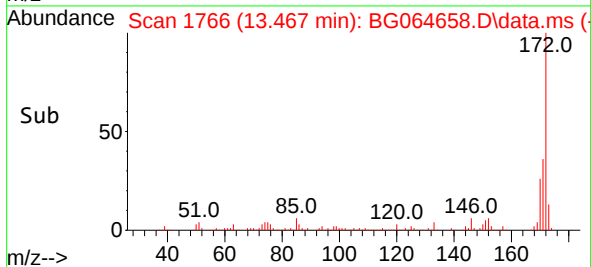
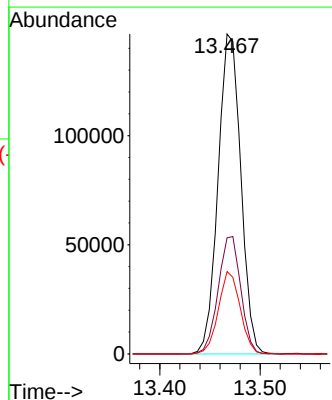
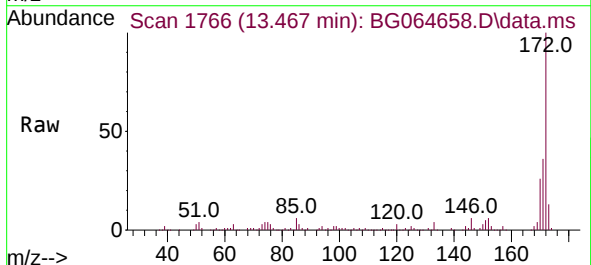
Instrument :
BNA_G
ClientSampleId :
72-11986

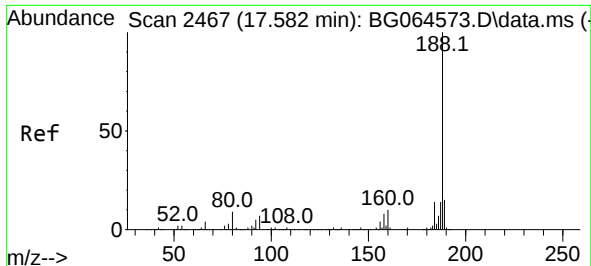
Tgt Ion:330 Resp: 86658
Ion Ratio Lower Upper
330 100
332 98.2 78.0 117.0
141 26.6 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 27.580 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.012 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:172 Resp: 231156
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 25.7 19.1 28.7

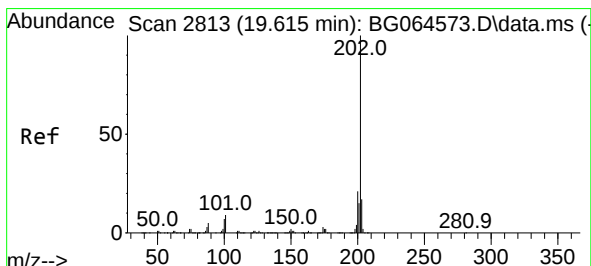
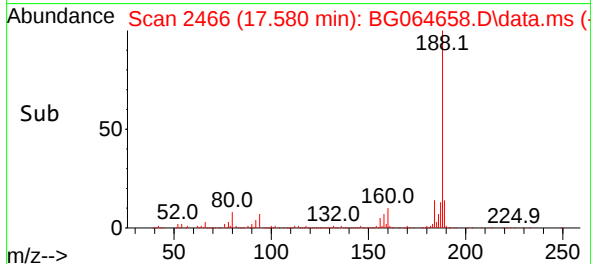
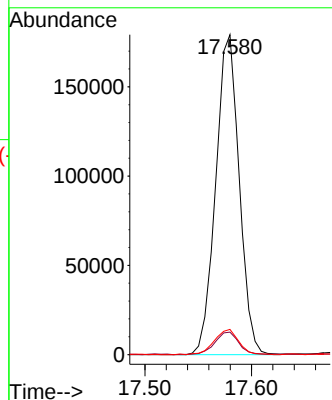
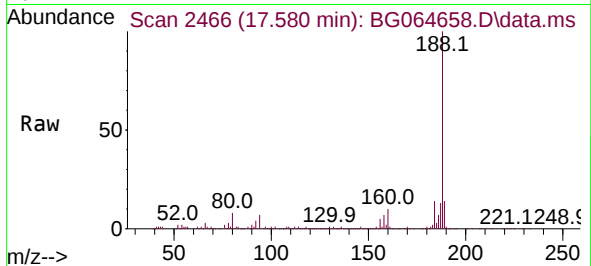




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2467
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

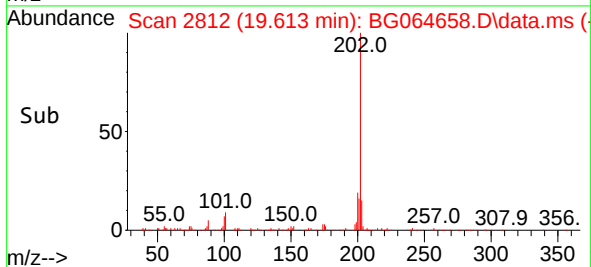
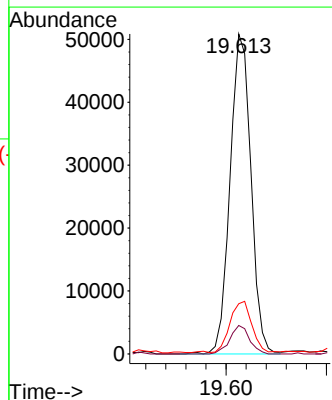
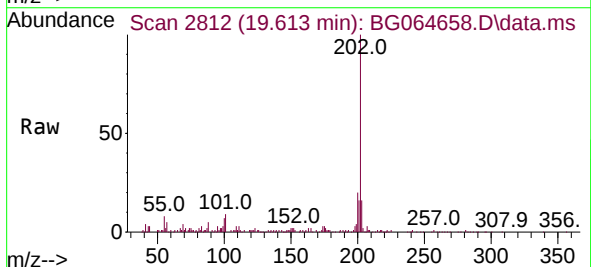
Instrument :
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ClientSampleId :
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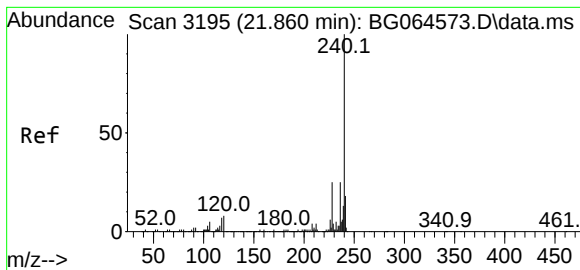
Tgt Ion:188 Resp: 274228
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.9 6.8 10.2



#75
Fluoranthene
Concen: 3.904 ng
RT: 19.613 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:202 Resp: 73337
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.7
203 15.7 0.0 37.0

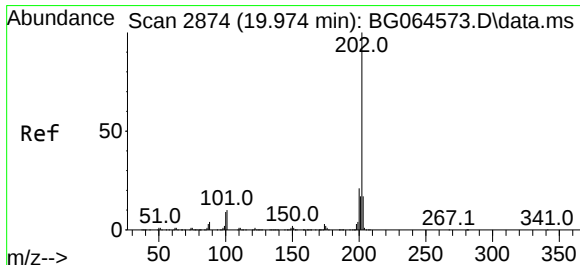
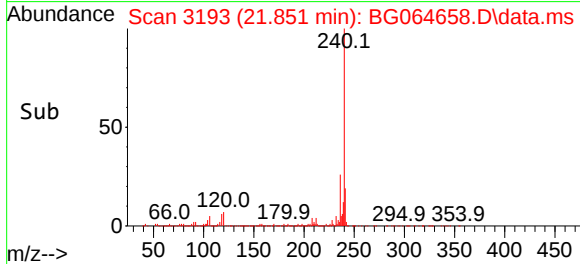
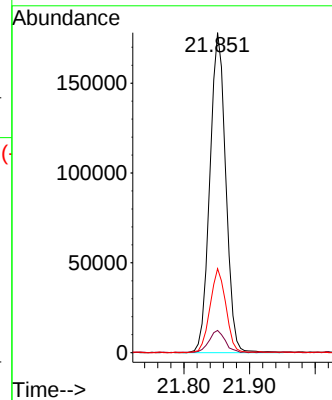
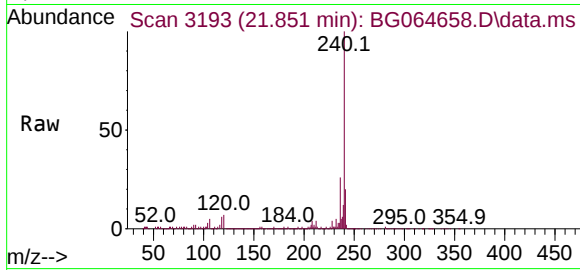




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

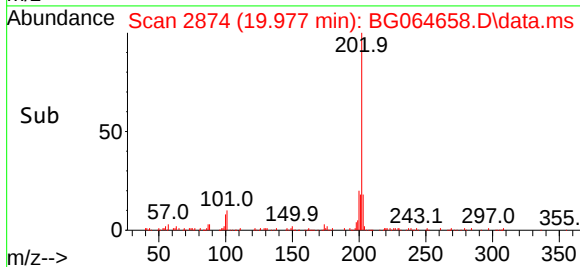
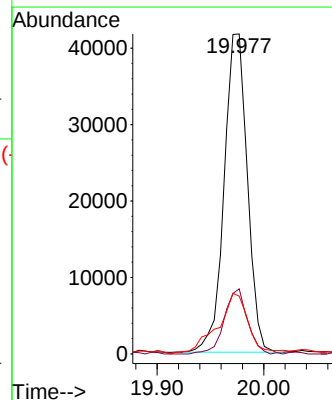
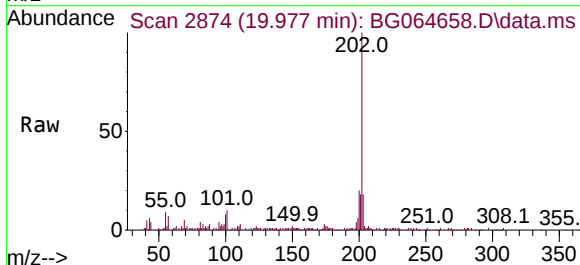
Instrument :
BNA_G
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72-11986

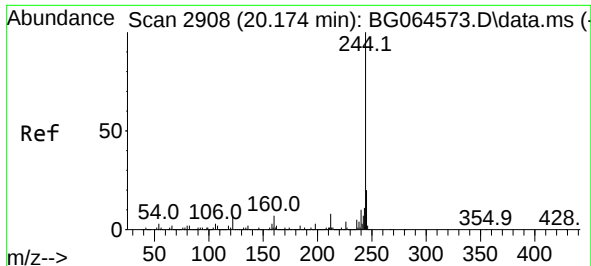
Tgt Ion:240 Resp: 299375
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 26.2 20.2 30.2



#78
Pyrene
Concen: 3.221 ng
RT: 19.977 min Scan# 2874
Delta R.T. -0.000 min
Lab File: BG064658.D
Acq: 31 Oct 2025 16:12

Tgt Ion:202 Resp: 63006
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 18.0 13.8 20.6

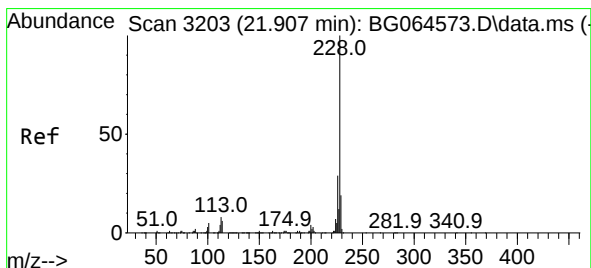
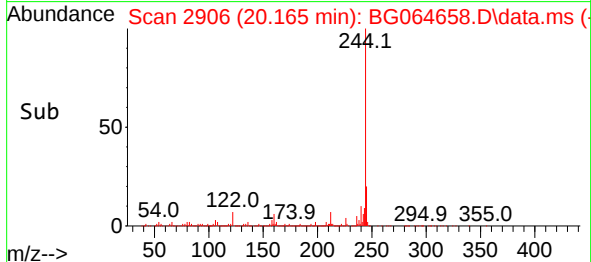
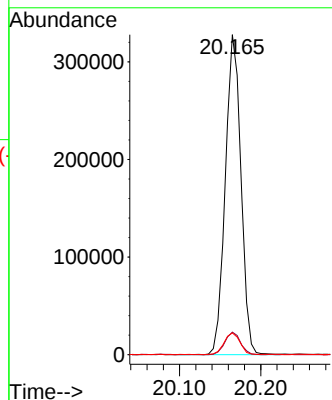
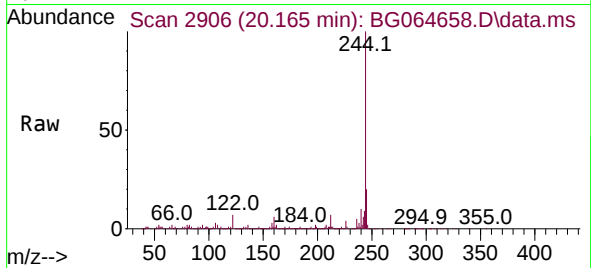




#79
 Terphenyl-d14
 Concen: 27.513 ng
 RT: 20.165 min Scan# 2908
 Delta R.T. -0.012 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

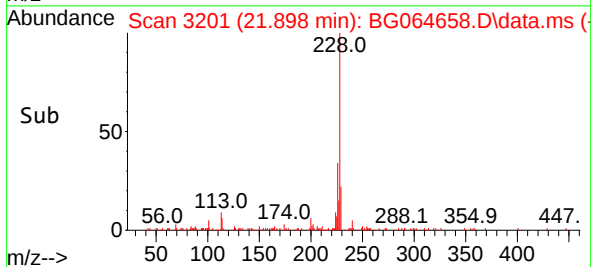
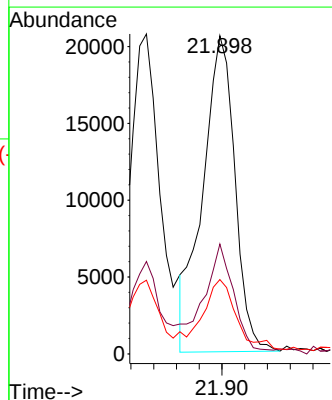
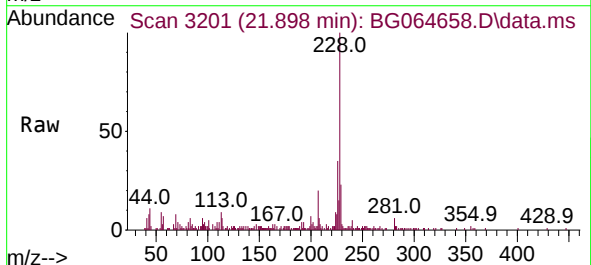
Instrument :
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 72-11986

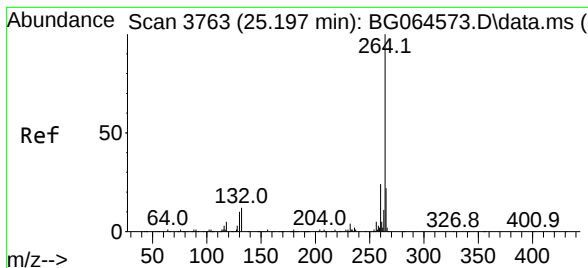
Tgt Ion:244 Resp: 436462
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.8 5.6 8.4



#83
 Chrysene
 Concen: 2.150 ng
 RT: 21.898 min Scan# 3201
 Delta R.T. -0.012 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Tgt Ion:228 Resp: 40607
 Ion Ratio Lower Upper
 228 100
 226 34.5 23.3 34.9
 229 23.4 15.2 22.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.200 min Scan# 31

Delta R.T. -0.000 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

Instrument :

BNA_G

ClientSampleId :

72-11986

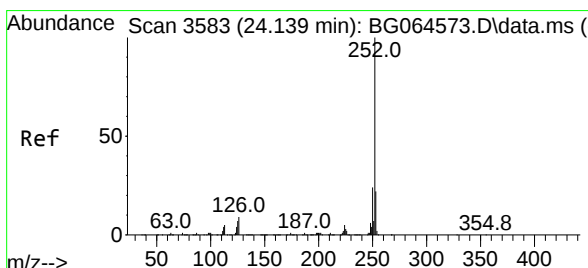
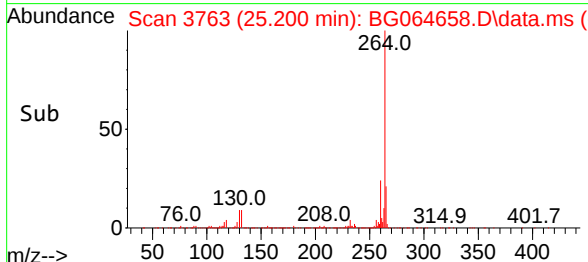
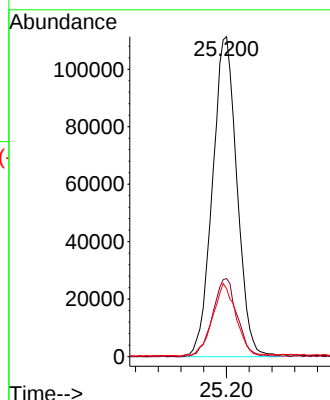
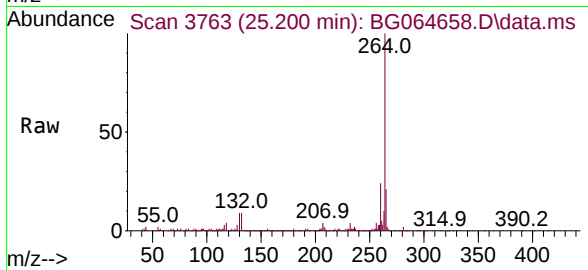
Tgt Ion:264 Resp: 333305

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.4

265 21.2 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 2.771 ng

RT: 24.131 min Scan# 3581

Delta R.T. -0.012 min

Lab File: BG064658.D

Acq: 31 Oct 2025 16:12

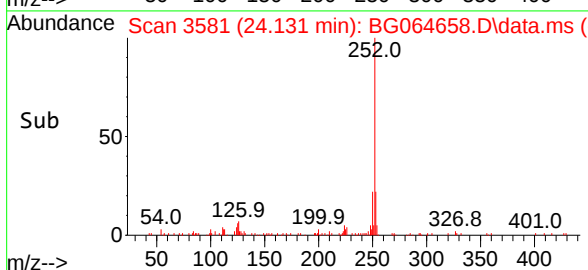
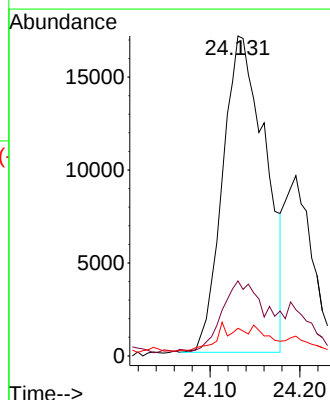
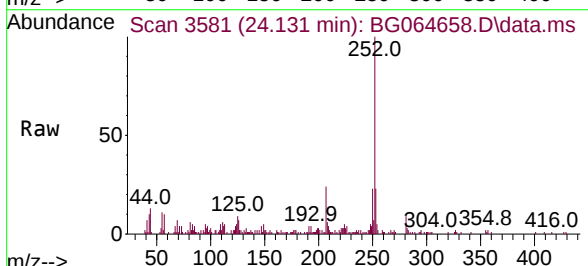
Tgt Ion:252 Resp: 56626

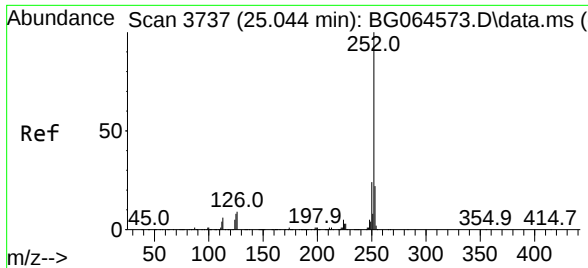
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 8.6 5.6 8.4#





#90
 Benzo(a)pyrene
 Concen: 2.112 ng
 RT: 25.036 min Scan# 31
 Delta R.T. -0.024 min
 Lab File: BG064658.D
 Acq: 31 Oct 2025 16:12

Instrument :
 BNA_G
 ClientSampleId :
 72-11986

Tgt Ion:252	Resp:	39679
Ion Ratio	Lower	Upper
252	100	
253	25.9	17.6 26.4
125	7.5	6.1 9.1

