

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
 Data File : BG064779.D
 Acq On : 14 Nov 2025 14:38
 Operator : RC/JU
 Sample : Q3631-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-202

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 15:37:46 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	8.165	152	41864	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	166608	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	132917	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	328798	20.000	ng	0.00
76) Chrysene-d12	21.749	240	367378	20.000	ng	0.00
86) Perylene-d12	25.033	264	383007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	221713	92.480	ng	0.00
7) Phenol-d6	7.307	99	299987	94.079	ng	0.00
23) Nitrobenzene-d5	9.322	82	192540	57.138	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	247057	95.304	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	528794	55.512	ng	0.00
79) Terphenyl-d14	20.086	244	1128054	60.401	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.833	154	53130	6.896	ng	95
55) Dibenzofuran	15.168	168	55282	4.340	ng	92
58) Fluorene	15.809	166	84472	8.456	ng	99
71) Phenanthrene	17.542	178	410998	22.846	ng	100
72) Anthracene	17.630	178	92920	5.066	ng	96
75) Fluoranthene	19.540	202	617445	25.100	ng	99
78) Pyrene	19.898	202	451022	21.905	ng	98
81) Benzo(a)anthracene	21.731	228	194132	7.771	ng	97
83) Chrysene	21.796	228	191235	8.120	ng	98
84) Bis(2-ethylhexyl)phtha...	21.631	149	37866	3.578	ng	96
87) Indeno(1,2,3-cd)pyrene	28.729	276	67935	2.582	ng	# 77
88) Benzo(b)fluoranthene	23.987	252	198857	8.159	ng	99
89) Benzo(k)fluoranthene	24.046	252	59727m	2.439	ng	
90) Benzo(a)pyrene	24.875	252	111725	4.941	ng	98
92) Benzo(g,h,i)perylene	29.875	276	63841	3.077	ng	# 93

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

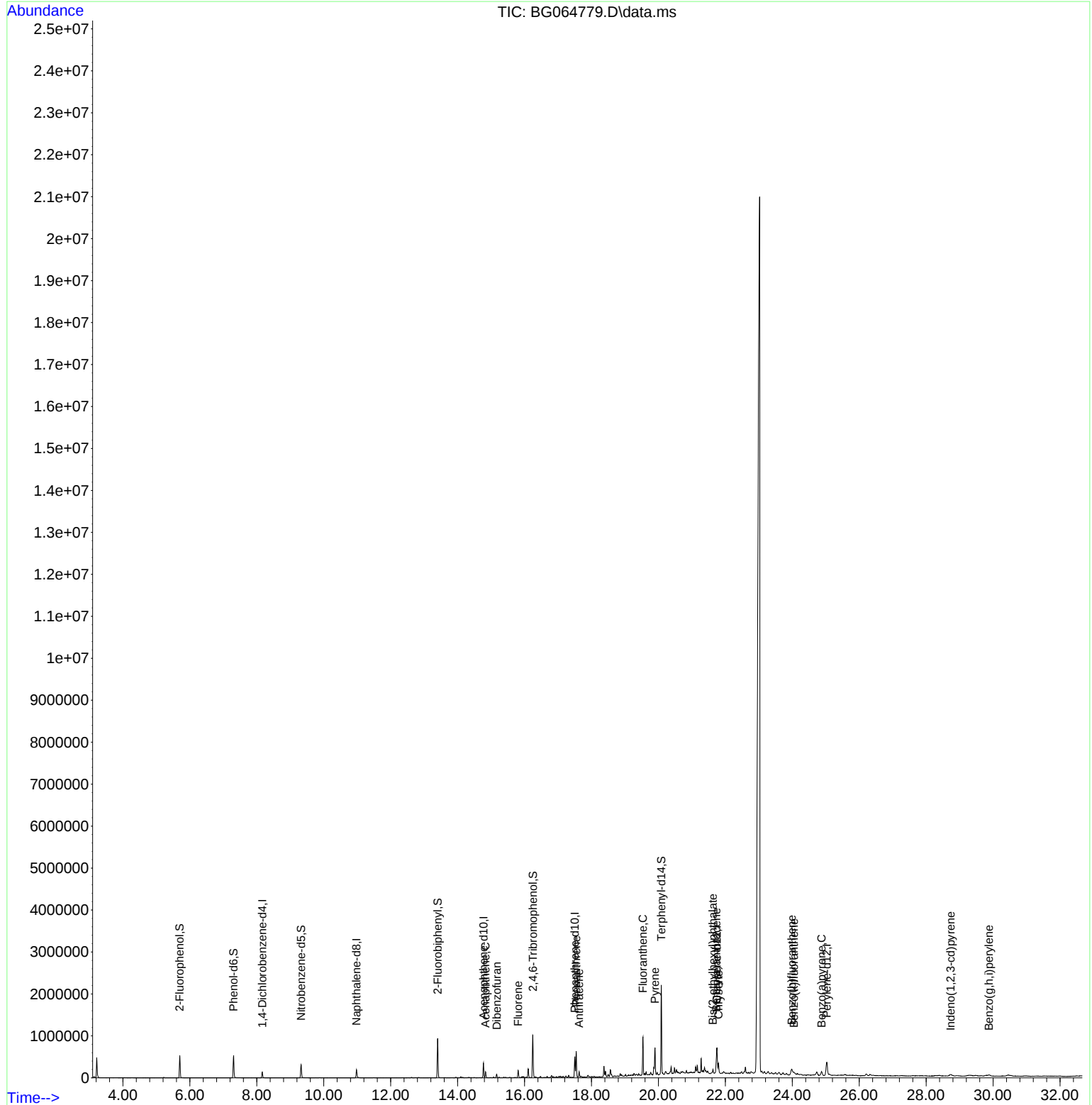
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
Data File : BG064779.D
Acq On : 14 Nov 2025 14:38
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Misc :
ALS Vial : 7 Sample Multiplier: 1

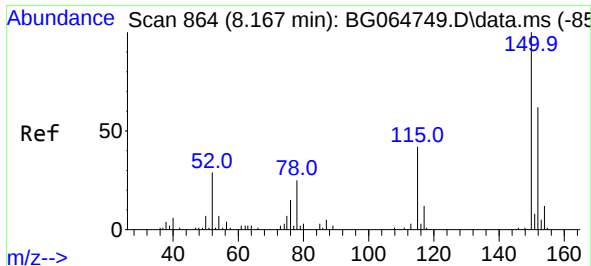
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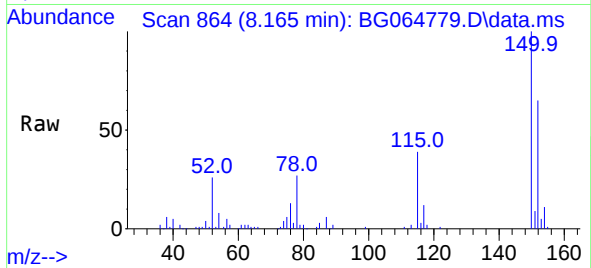
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.165 min Scan# 80
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

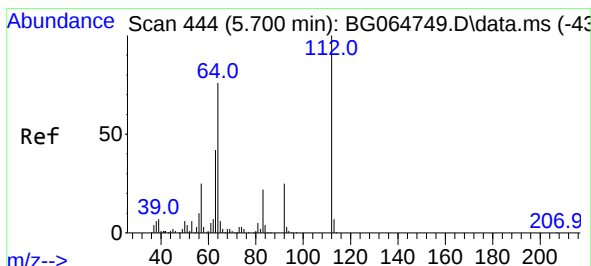
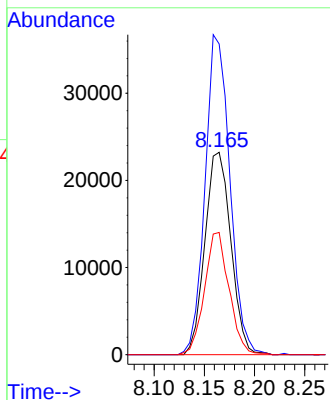
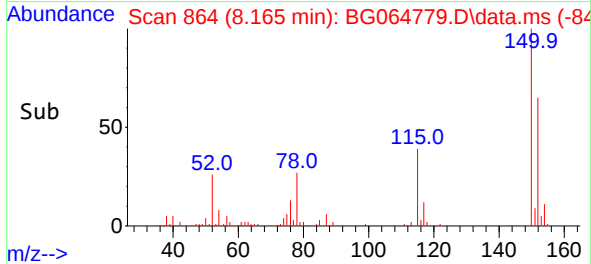
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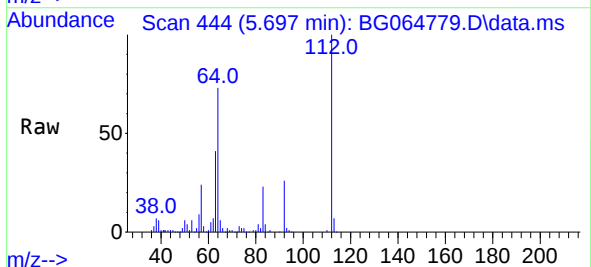
Tgt Ion:152 Resp: 41864
Ion Ratio Lower Upper
152 100
150 153.5 129.2 193.8
115 60.4 53.7 80.5

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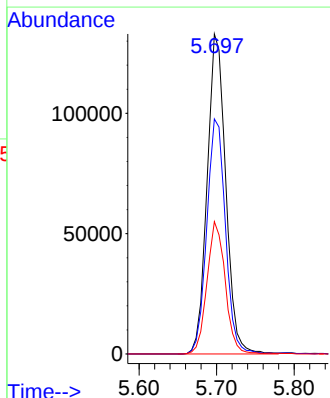
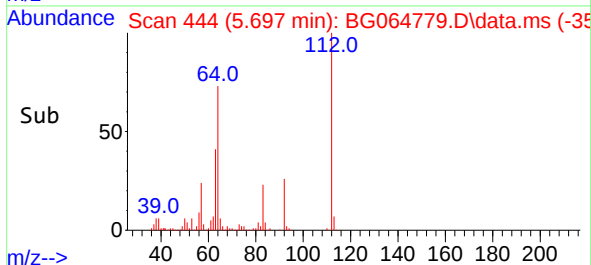
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

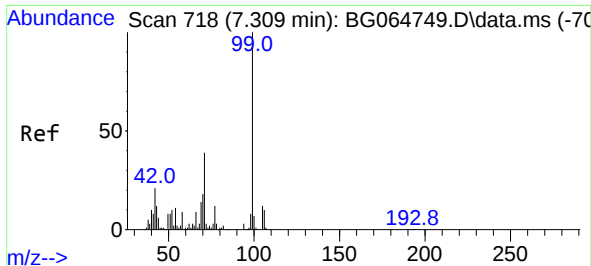


#5
2-Fluorophenol
Concen: 92.480 ng
RT: 5.697 min Scan# 444
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



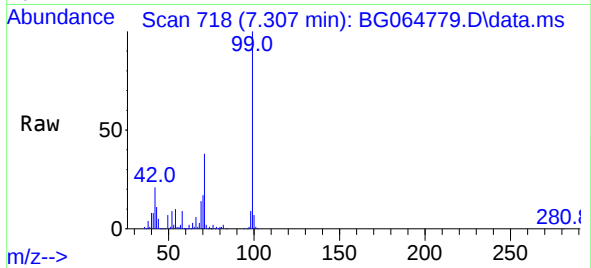
Tgt Ion:112 Resp: 221713
Ion Ratio Lower Upper
112 100
64 73.4 61.0 91.4
63 41.3 33.3 49.9





#7
Phenol-d6
Concen: 94.079 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

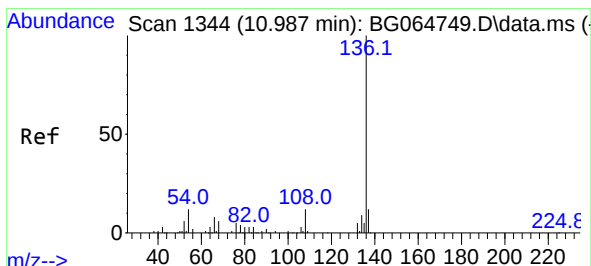
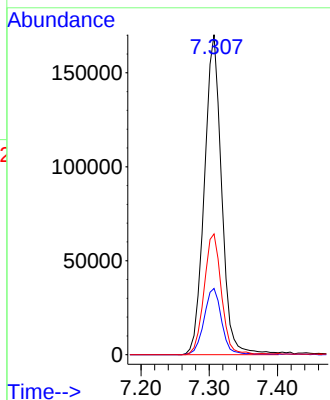
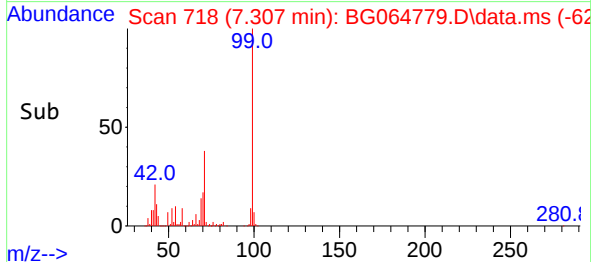
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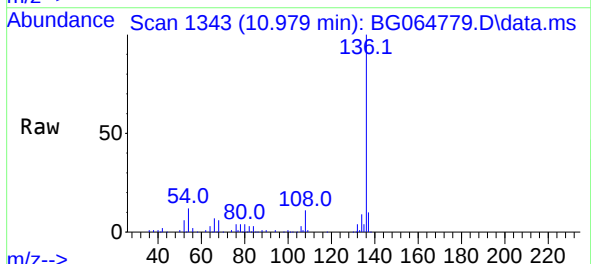
Tgt Ion: 99 Resp: 29998
Ion Ratio Lower Upper
99 100
42 20.7 16.8 25.2
71 37.7 31.1 46.7

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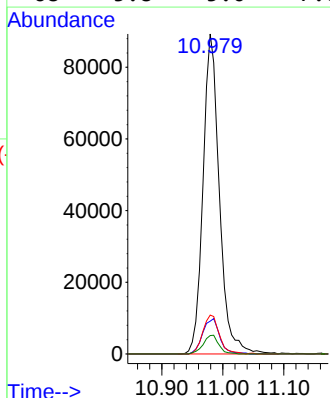
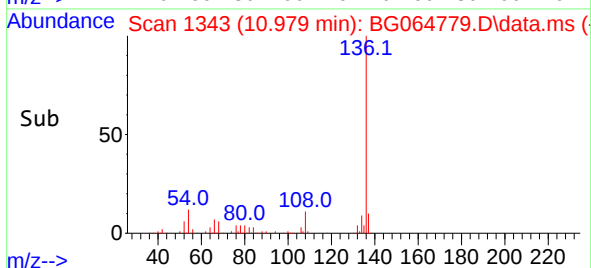
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

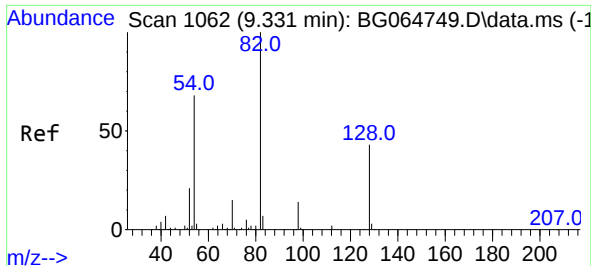


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



Tgt Ion:136 Resp: 166608
Ion Ratio Lower Upper
136 100
137 10.2 9.3 13.9
54 12.2 9.3 13.9
68 5.8 5.0 7.6





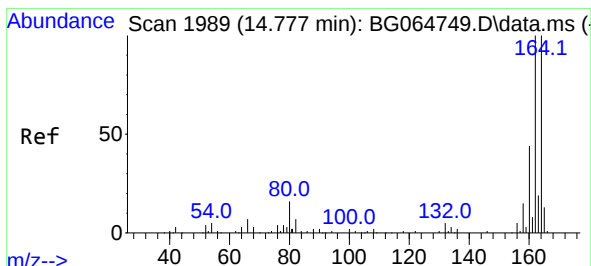
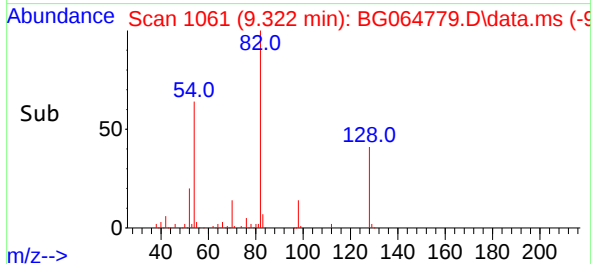
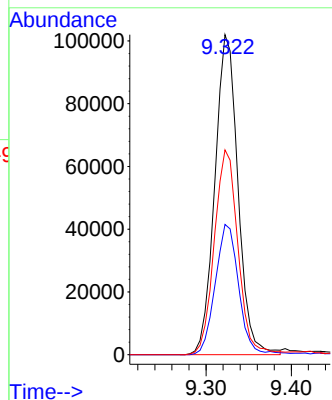
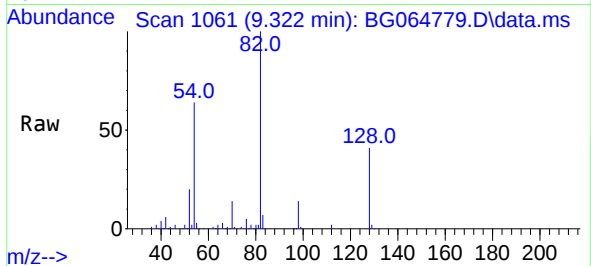
#23
Nitrobenzene-d5
Concen: 57.138 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 82 Resp: 192540
Ion Ratio Lower Upper
82 100
128 40.7 34.1 51.1
54 64.0 54.3 81.5

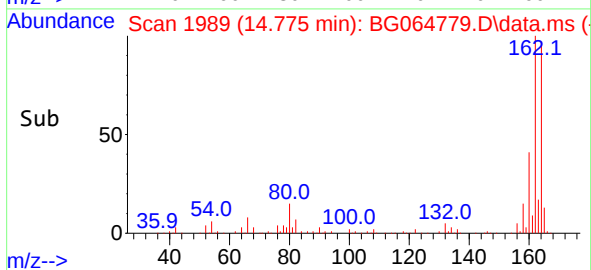
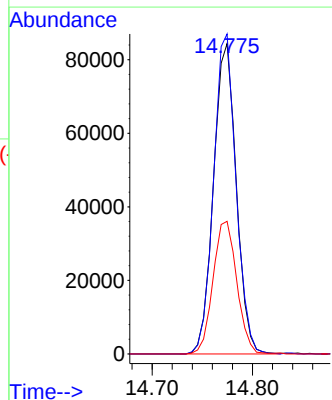
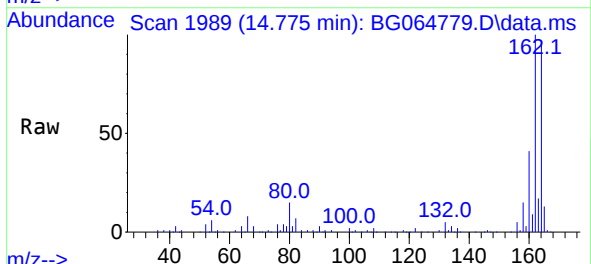
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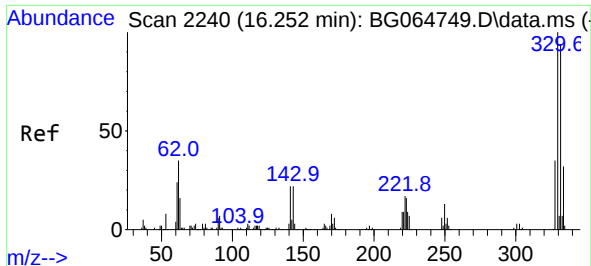
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.775 min Scan# 1989
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

Tgt Ion:164 Resp: 132917
Ion Ratio Lower Upper
164 100
162 103.1 79.8 119.6
160 42.7 34.9 52.3





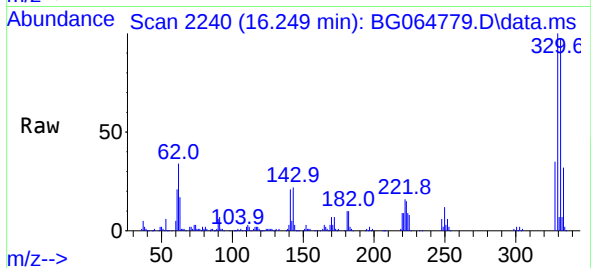
#42
2,4,6-Tribromophenol
Concen: 95.304 ng
RT: 16.249 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

Instrument :

BNA_G

ClientSampleId :

VNJ-202

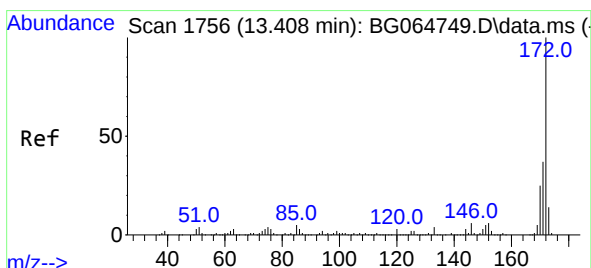
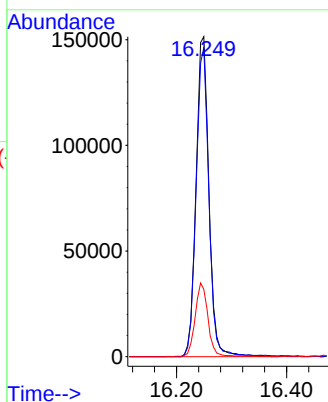
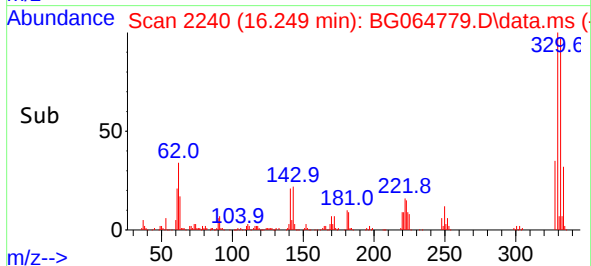


Tgt Ion:330 Resp: 24705
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 22.8 18.2 27.2

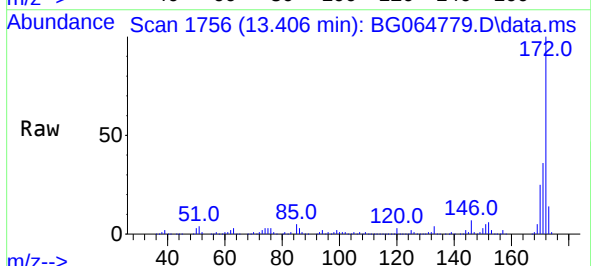
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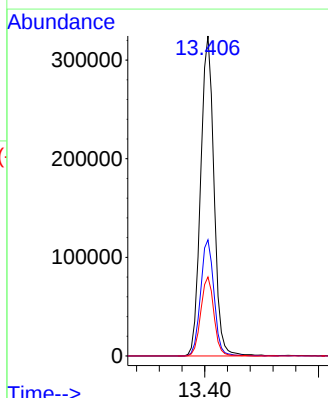
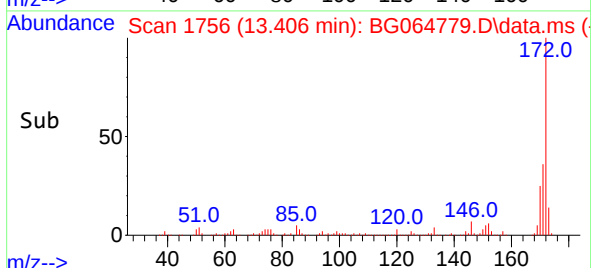
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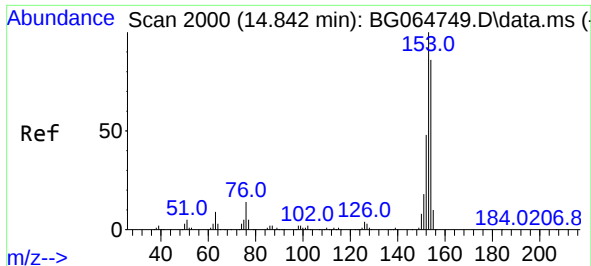


#45
2-Fluorobiphenyl
Concen: 55.512 ng
RT: 13.406 min Scan# 1756
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



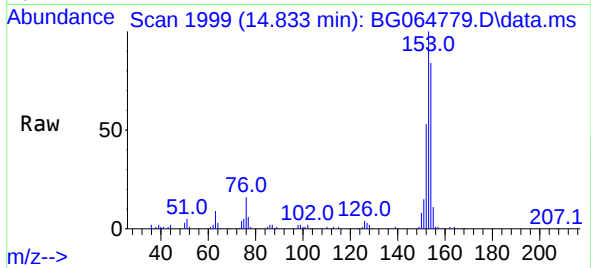
Tgt Ion:172 Resp: 528794
Ion Ratio Lower Upper
172 100
171 36.3 29.9 44.9
170 24.7 19.8 29.6





#52
Acenaphthene
Concen: 6.896 ng
RT: 14.833 min Scan# 1999
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

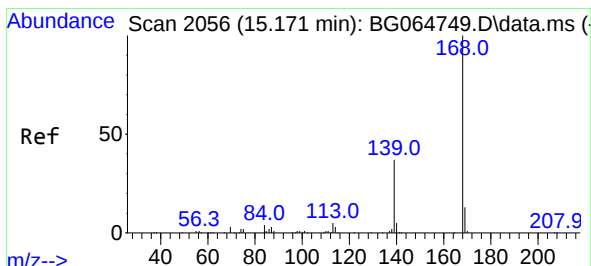
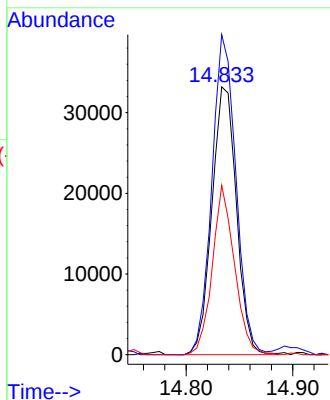
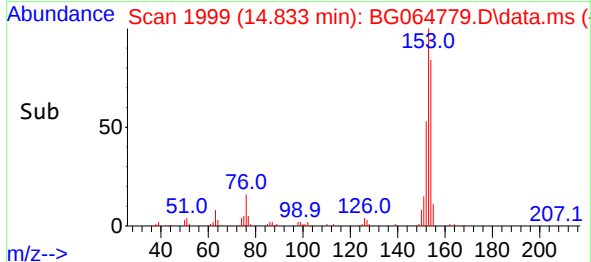
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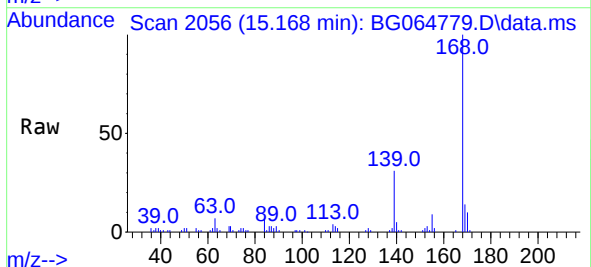
Tgt Ion:154 Resp: 53130
Ion Ratio Lower Upper
154 100
153 119.5 93.0 139.4
152 63.2 44.4 66.6

Manual Integrations
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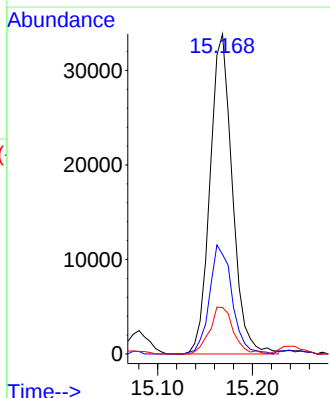
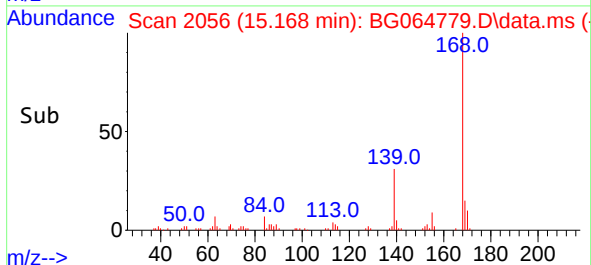
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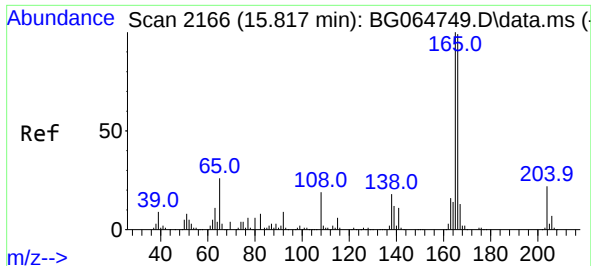


#55
Dibenzofuran
Concen: 4.340 ng
RT: 15.168 min Scan# 2056
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



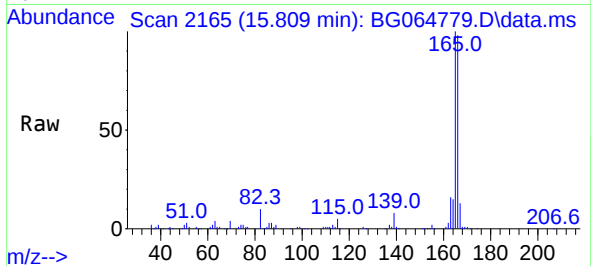
Tgt Ion:168 Resp: 55282
Ion Ratio Lower Upper
168 100
139 31.1 29.5 44.3
169 14.5 10.4 15.6





#58
Fluorene
Concen: 8.456 ng
RT: 15.809 min Scan# 2166
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

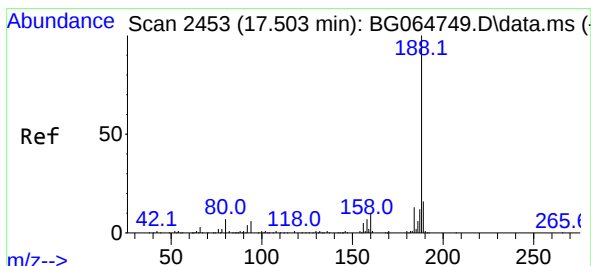
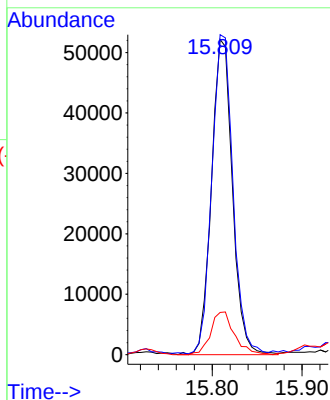
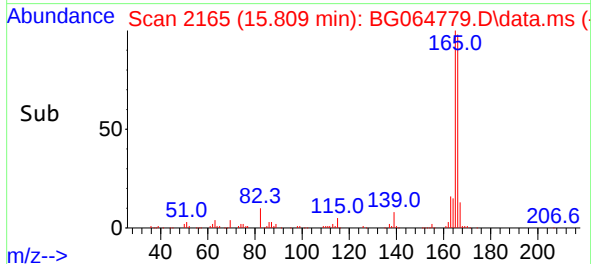
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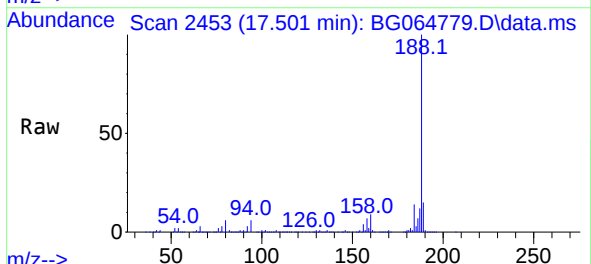
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Ion Ratio Lower Upper
166 100
165 101.5 80.5 120.7
167 13.4 10.3 15.5

Manual Integrations
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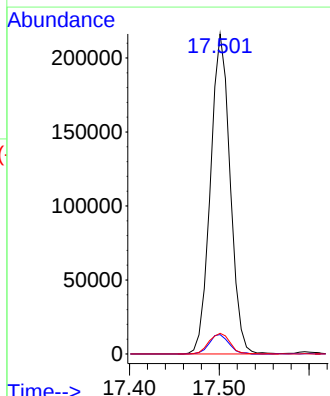
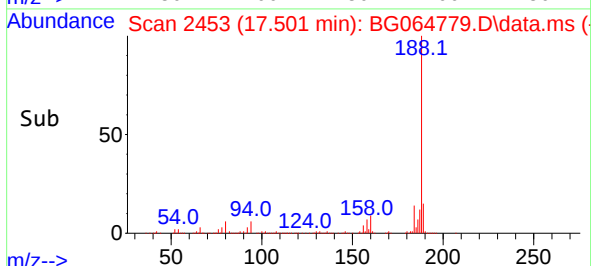
Reviewed By :Jagrut Upadhyay 11/17/2025
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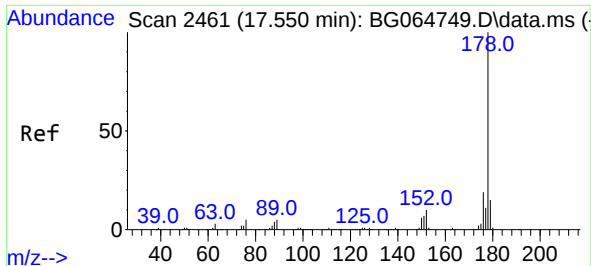


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



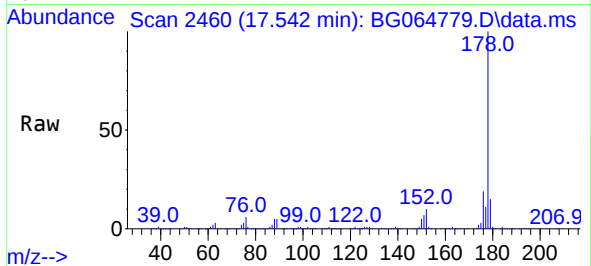
Tgt Ion:188 Resp: 328798
Ion Ratio Lower Upper
188 100
94 6.0 4.7 7.1
80 6.5 5.4 8.2





#71
Phenanthrene
Concen: 22.846 ng
RT: 17.542 min Scan# 2460
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

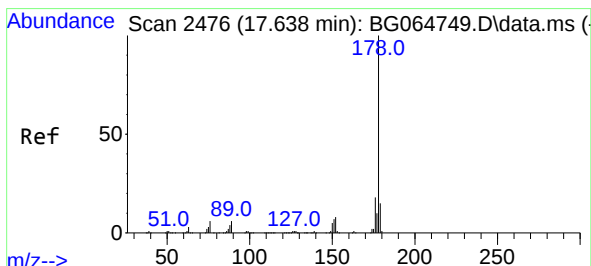
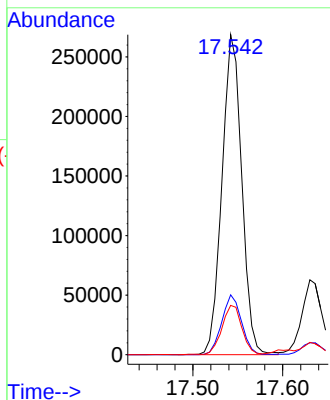
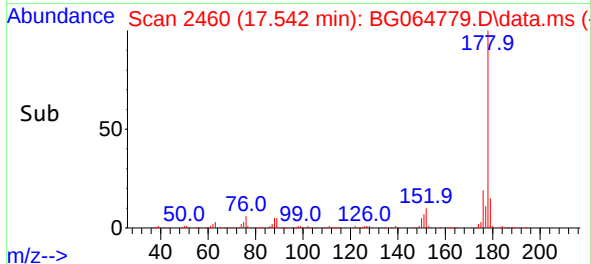
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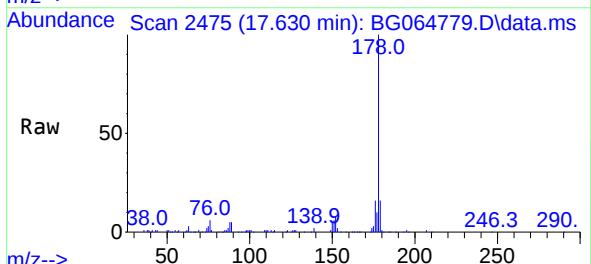
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Ion Ratio Lower Upper
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176 18.7 14.8 22.2
179 15.4 12.2 18.4

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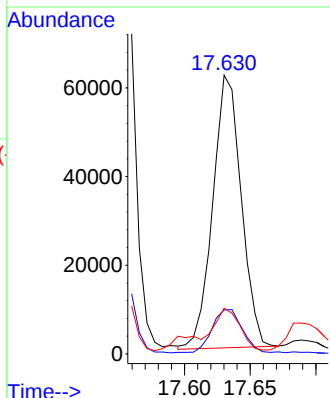
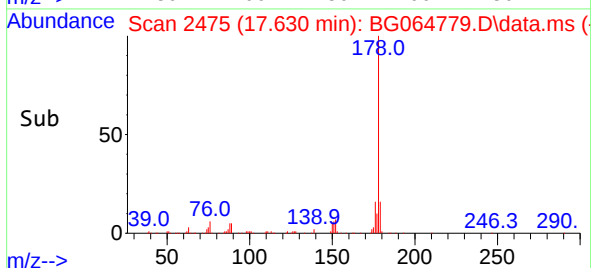
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

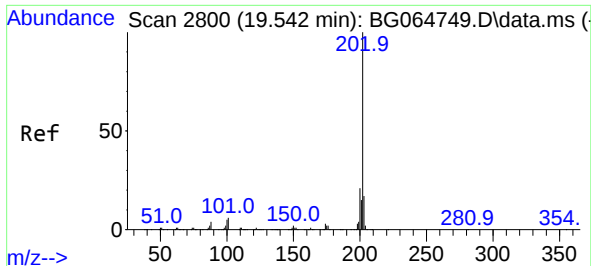


#72
Anthracene
Concen: 5.066 ng
RT: 17.630 min Scan# 2475
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



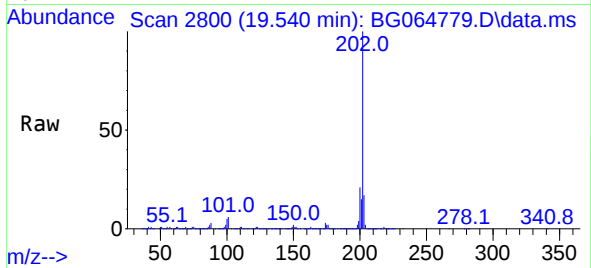
Tgt Ion:178 Resp: 92920
Ion Ratio Lower Upper
178 100
176 15.8 14.5 21.7
179 16.4 12.2 18.4





#75
Fluoranthene
Concen: 25.100 ng
RT: 19.540 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

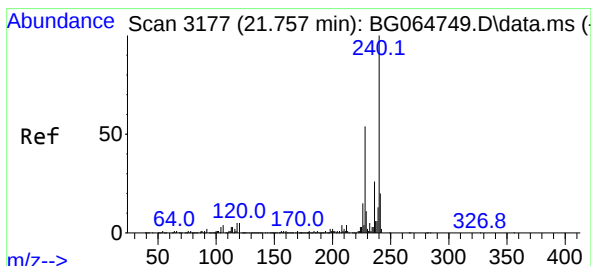
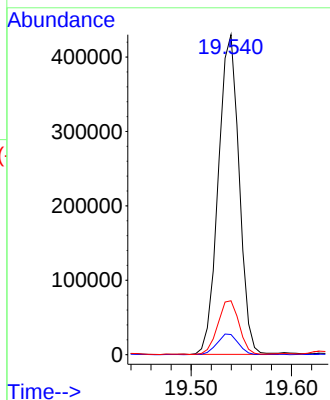
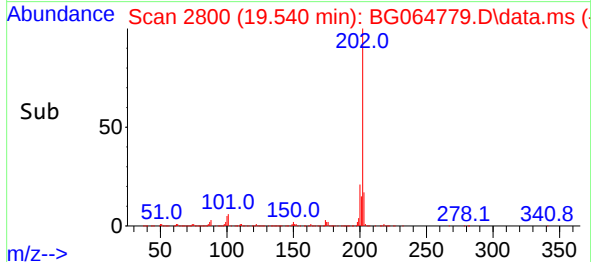
Instrument :
BNA_G
ClientSampleId :
VNJ-202



Tgt Ion:202 Resp: 61744
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.4
203 16.9 0.0 37.5

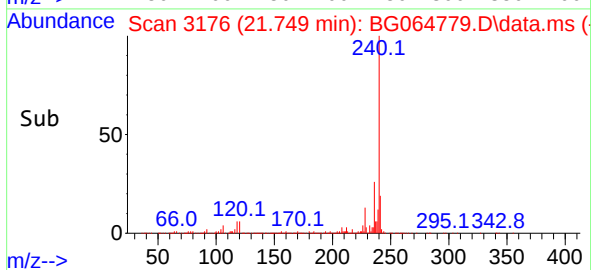
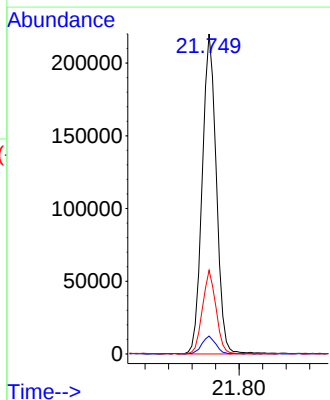
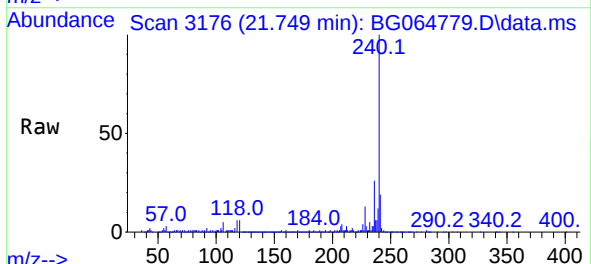
Manual Integrations
APPROVED

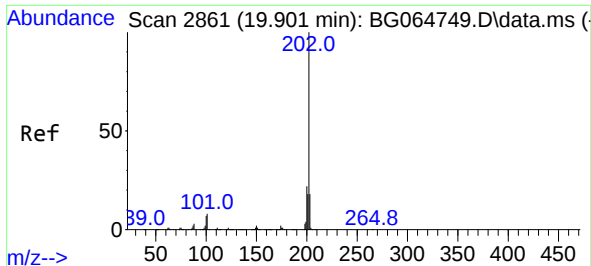
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

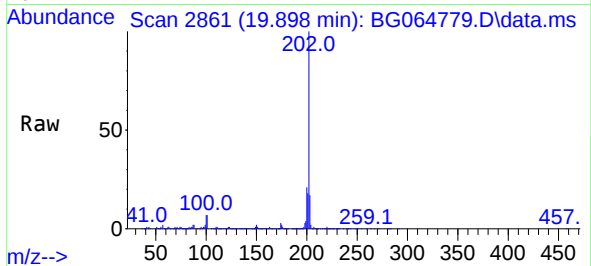
Tgt Ion:240 Resp: 367378
Ion Ratio Lower Upper
240 100
120 5.6 4.2 6.4
236 26.1 20.8 31.2





#78
Pyrene
Concen: 21.905 ng
RT: 19.898 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

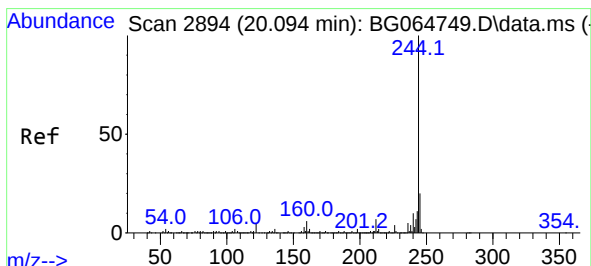
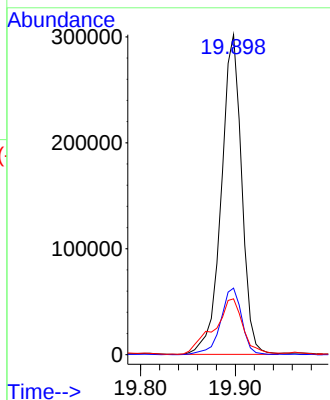
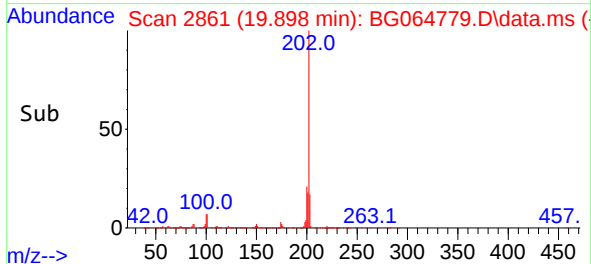
Instrument :
BNA_G
ClientSampleId :
VNJ-202



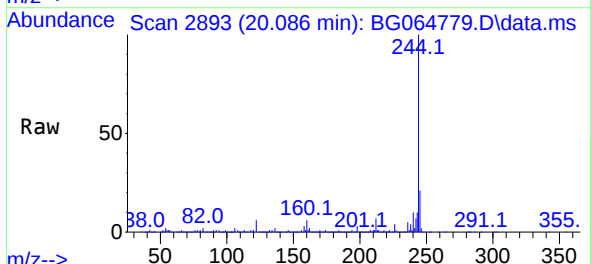
Tgt Ion:202 Resp: 45102
Ion Ratio Lower Upper
202 100
200 20.8 17.9 26.9
203 17.5 14.0 21.0

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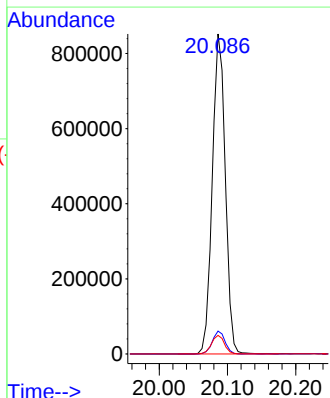
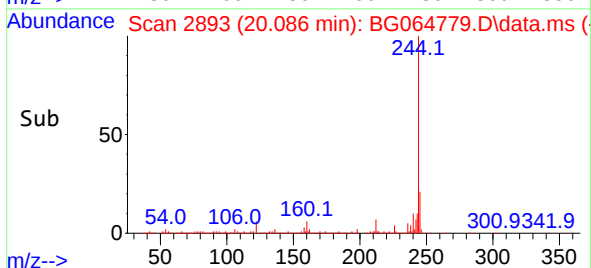
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

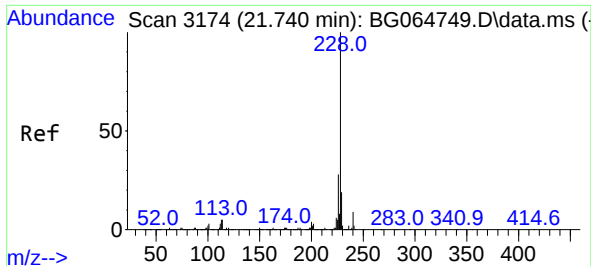


#79
Terphenyl-d14
Concen: 60.401 ng
RT: 20.086 min Scan# 2893
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



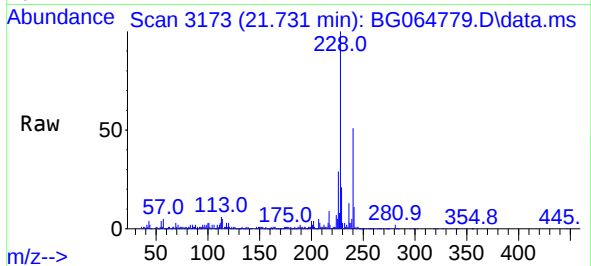
Tgt Ion:244 Resp: 1128054
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 5.8 4.3 6.5





#81
Benzo(a)anthracene
Concen: 7.771 ng
RT: 21.731 min Scan# 3173
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

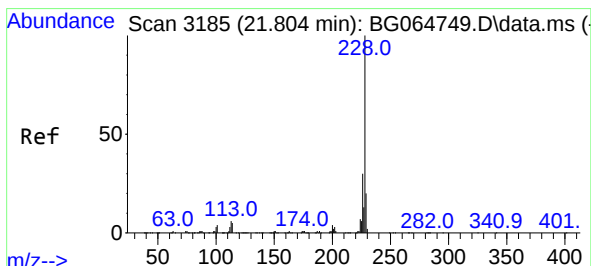
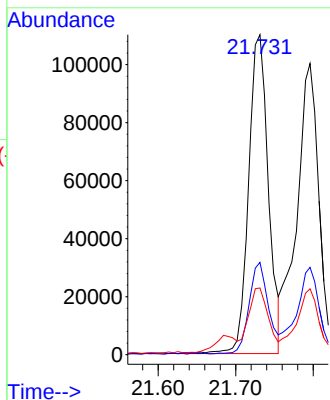
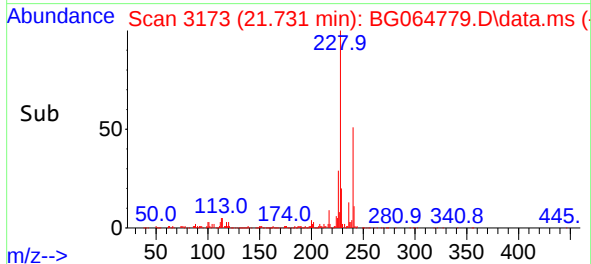
Instrument :
BNA_G
ClientSampleId :
VNJ-202



Tgt Ion:228 Resp: 19413
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 20.9 15.5 23.3

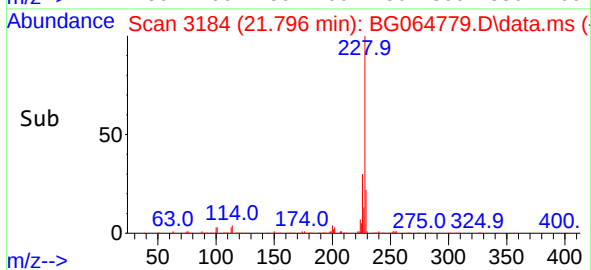
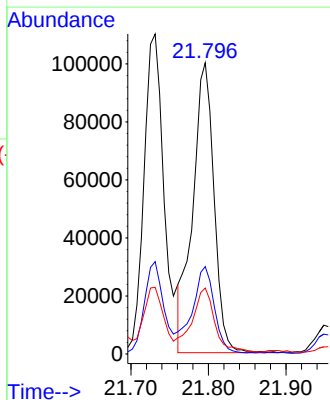
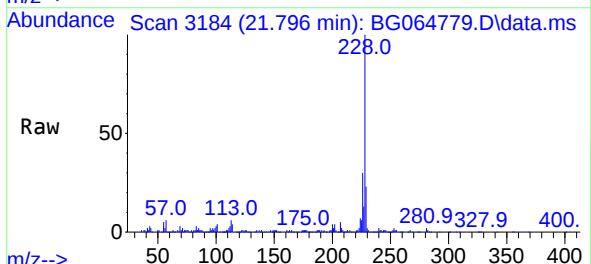
Manual Integrations
APPROVED

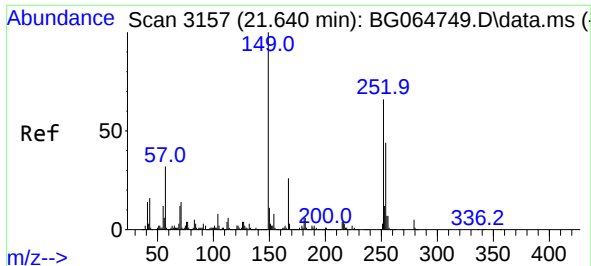
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#83
Chrysene
Concen: 8.120 ng
RT: 21.796 min Scan# 3184
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

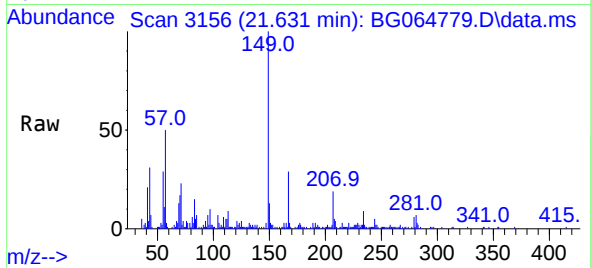
Tgt Ion:228 Resp: 191235
Ion Ratio Lower Upper
228 100
226 30.0 24.2 36.2
229 22.6 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.578 ng
RT: 21.631 min Scan# 3156
Delta R.T. -0.008 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

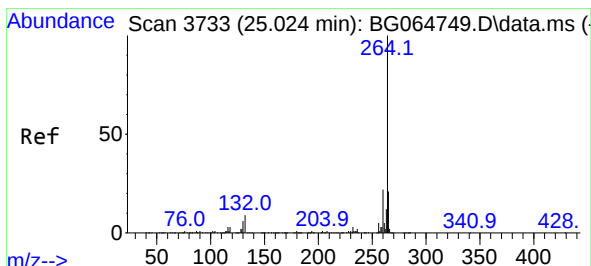
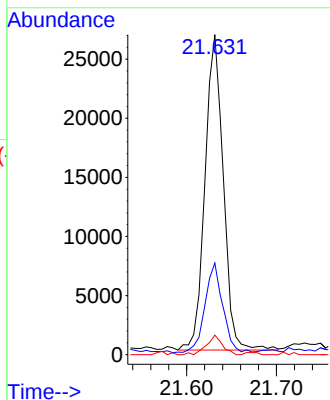
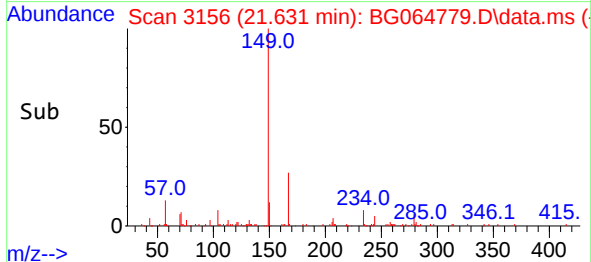
Instrument :
BNA_G
ClientSampleId :
VNJ-202



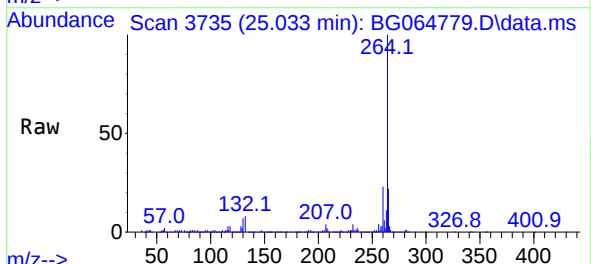
Tgt Ion:149 Resp: 37860
Ion Ratio Lower Upper
149 100
167 28.6 21.0 31.4
279 6.1 4.1 6.1

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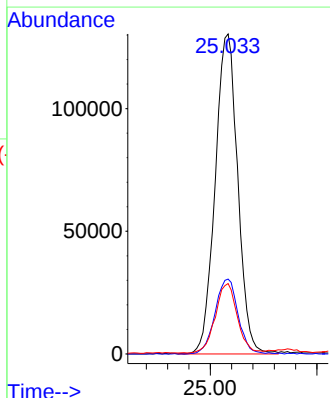
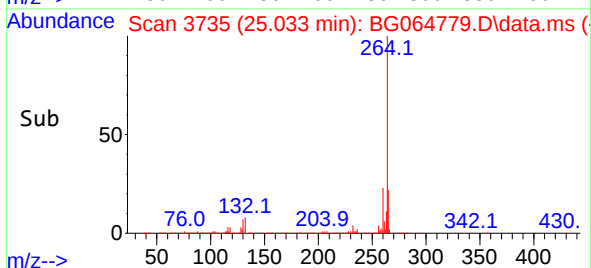
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

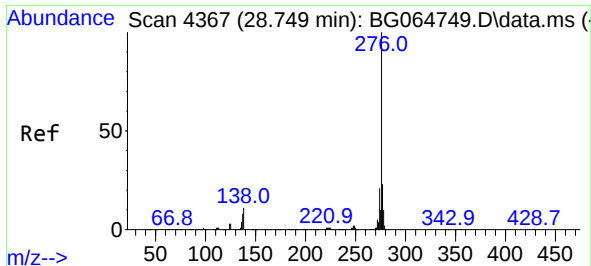


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.033 min Scan# 3735
Delta R.T. 0.009 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



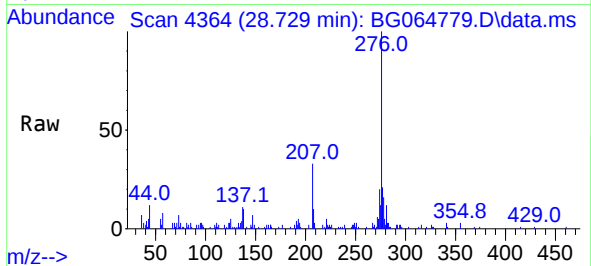
Tgt Ion:264 Resp: 383007
Ion Ratio Lower Upper
264 100
260 23.4 17.2 25.8
265 22.0 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.582 ng
RT: 28.729 min Scan# 4367
Delta R.T. -0.020 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

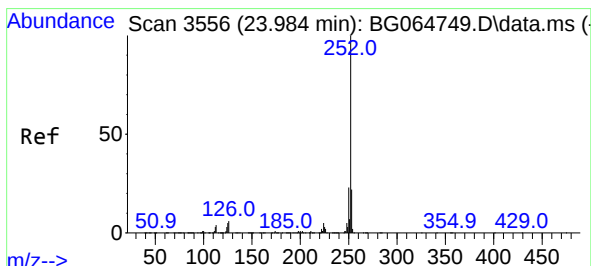
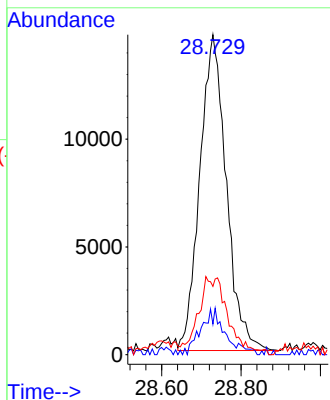
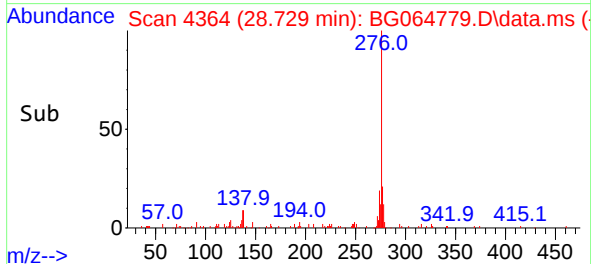
Instrument :
BNA_G
ClientSampleId :
VNJ-202



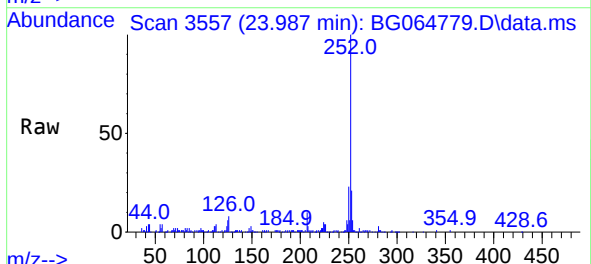
Tgt Ion:276 Resp: 67935
Ion Ratio Lower Upper
276 100
138 6.9 4.5 6.7
277 11.3 20.0 30.0

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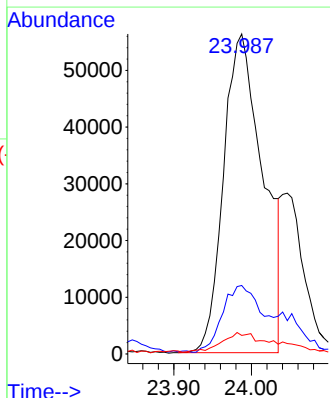
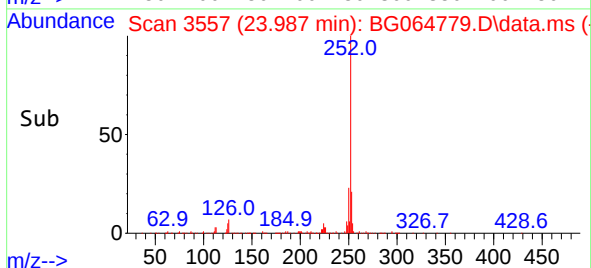
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

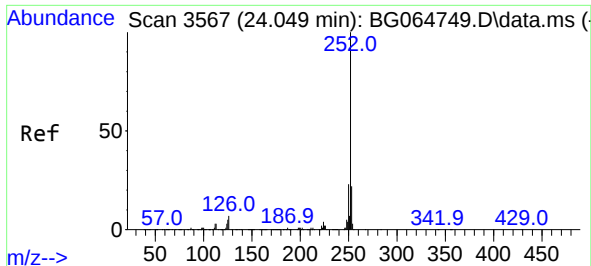


#88
Benzo(b)fluoranthene
Concen: 8.159 ng
RT: 23.987 min Scan# 3557
Delta R.T. 0.003 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38



Tgt Ion:252 Resp: 198857
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.2
125 5.8 4.2 6.2





#89
Benzo(k)fluoranthene
Concen: 2.439 ng m
RT: 24.046 min Scan# 3567
Delta R.T. -0.002 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

Instrument :

BNA_G

ClientSampleId :

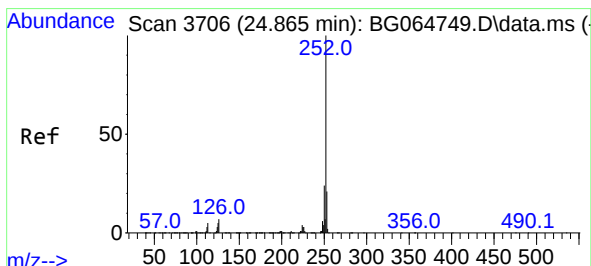
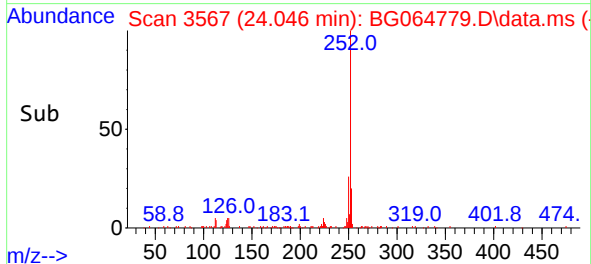
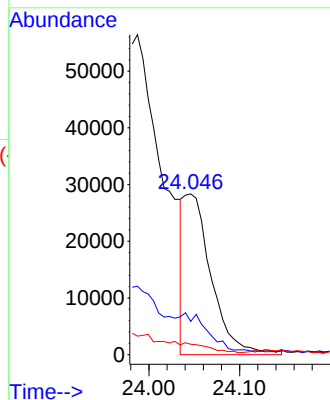
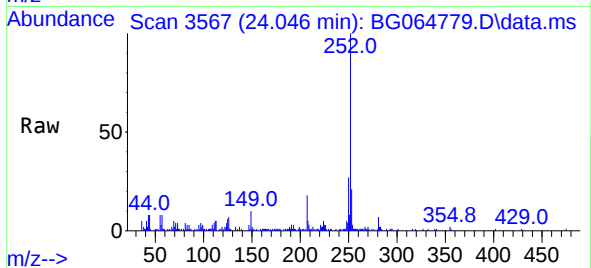
VNJ-202

Tgt Ion:252 Resp: 5972
Ion Ratio Lower Upper
252 100
253 20.7 17.8 26.8
125 6.4 4.1 6.1

Manual Integrations

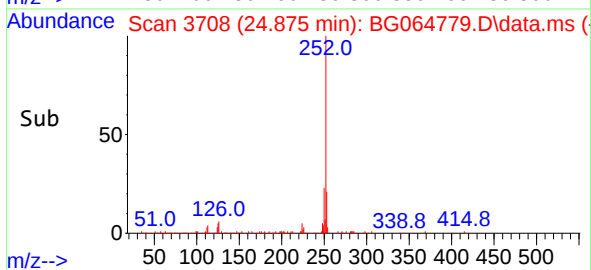
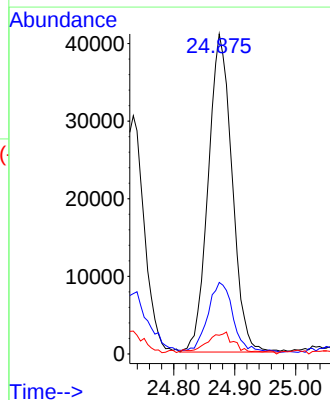
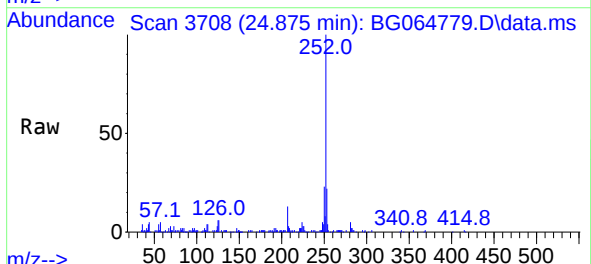
APPROVED

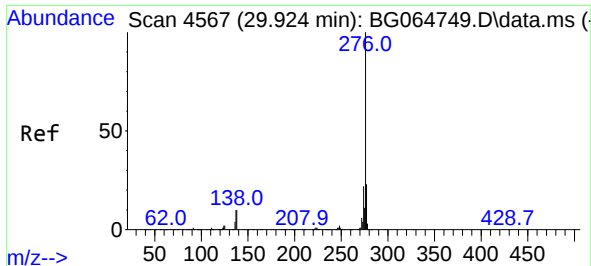
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#90
Benzo(a)pyrene
Concen: 4.941 ng
RT: 24.875 min Scan# 3708
Delta R.T. 0.009 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

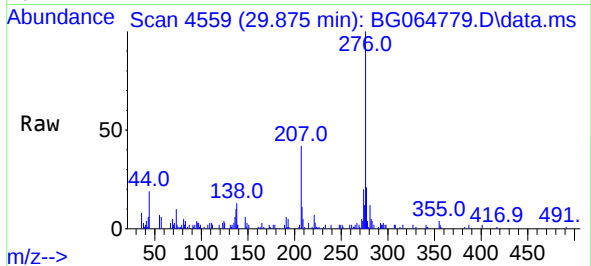
Tgt Ion:252 Resp: 111725
Ion Ratio Lower Upper
252 100
253 22.3 16.9 25.3
125 5.9 4.2 6.4





#92
Benzo(g,h,i)perylene
Concen: 3.077 ng
RT: 29.875 min Scan# 4559
Delta R.T. -0.049 min
Lab File: BG064779.D
Acq: 14 Nov 2025 14:38

Instrument :
BNA_G
ClientSampleId :
VNJ-202



Tgt Ion:276 Resp: 6384
Ion Ratio Lower Upper
276 100
277 20.8 18.0 27.0
138 15.2 8.2 12.2

Manual Integrations
APPROVED

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

