

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064629.D
 Acq On : 29 Oct 2025 18:56
 Operator : RC/JU
 Sample : Q3468-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-06

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Oct 30 04:58:25 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	8.214	152	29669	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	117287	20.000	ng	-0.01
39) Acenaphthene-d10	14.836	164	94541	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	229494	20.000	ng	0.00
76) Chrysene-d12	21.845	240	284022	20.000	ng	-0.02
86) Perylene-d12	25.188	264	312536	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	119186	67.428	ng	0.00
7) Phenol-d6	7.344	99	99502	41.023	ng	-0.01
23) Nitrobenzene-d5	9.377	82	235280	120.487	ng	-0.01
42) 2,4,6-Tribromophenol	16.316	330	237643	174.160	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	594168	95.261	ng	-0.01
79) Terphenyl-d14	20.165	244	1447151	96.155	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.093	128	245262	37.716	ng	99
37) 2-Methylnaphthalene	12.685	142	11119	2.329	ng	90
38) 1-Methylnaphthalene	12.903	142	58943m	12.547	ng	
52) Acenaphthene	14.900	154	76013	13.903	ng	99
55) Dibenzofuran	15.235	168	79121	8.951	ng	98
58) Fluorene	15.876	166	48529	7.030	ng	95
71) Phenanthrene	17.615	178	75579	6.022	ng	98
72) Anthracene	17.703	178	43317	3.393	ng	98
73) Carbazole	17.967	167	184979	16.431	ng	96
75) Fluoranthene	19.612	202	107055	6.809	ng	99
78) Pyrene	19.971	202	85251	4.594	ng	96

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

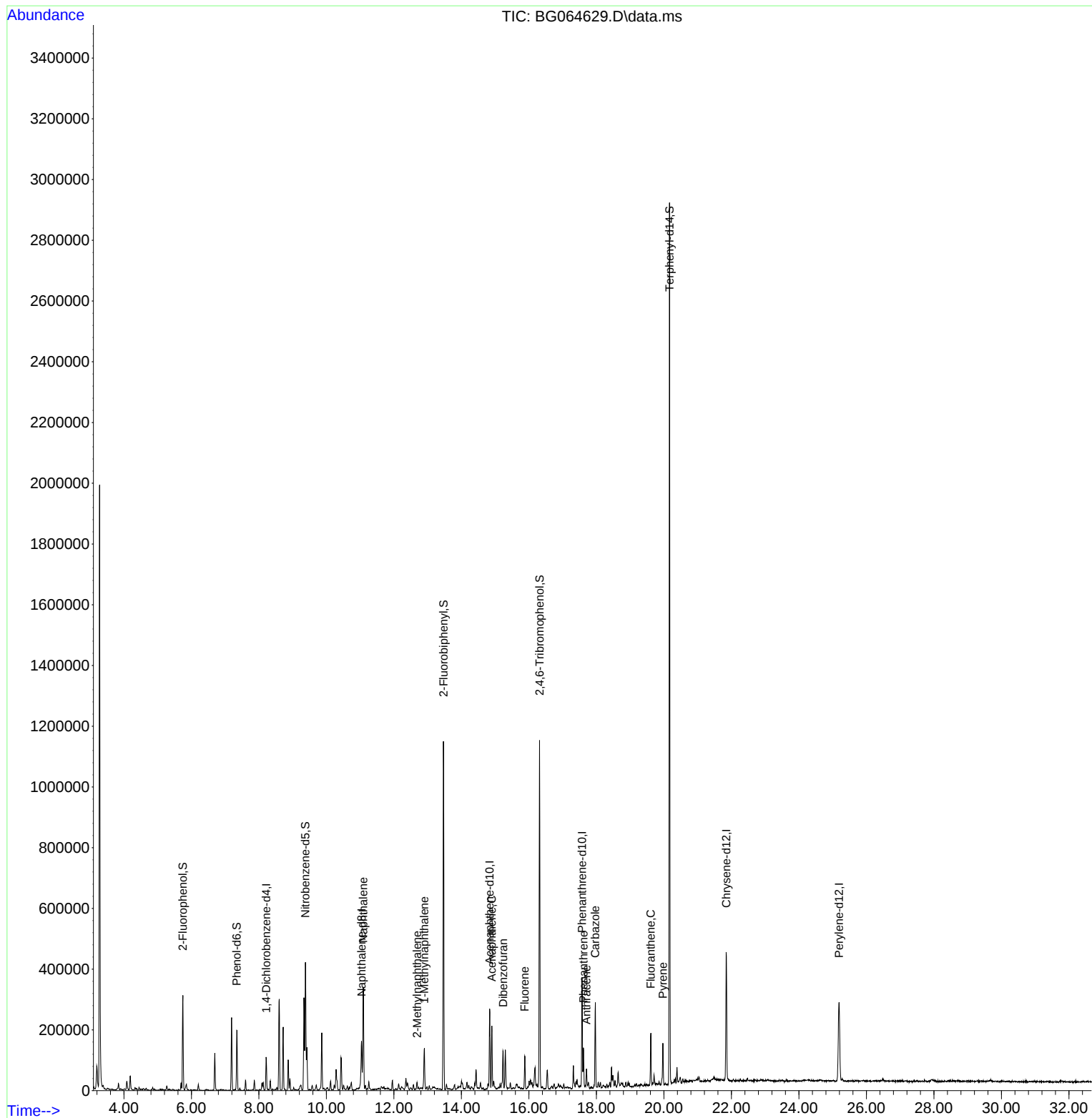
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064629.D
Acq On : 29 Oct 2025 18:56
Operator : RC/JU
Sample : Q3468-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

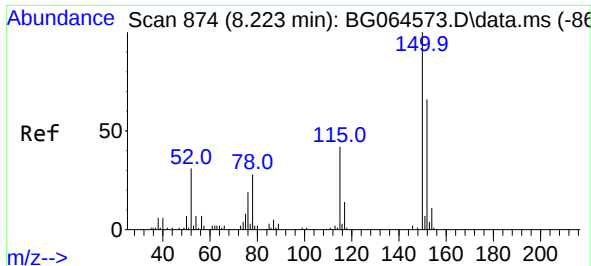
Instrument :
BNA_G
ClientSampleId :
MW-06

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

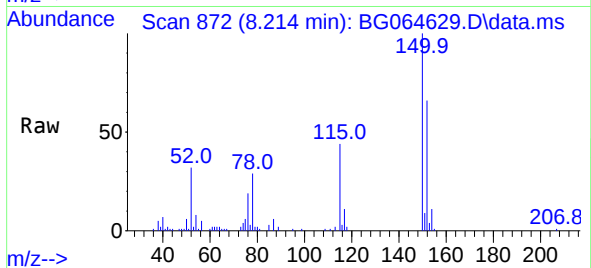
Quant Time: Oct 30 04:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

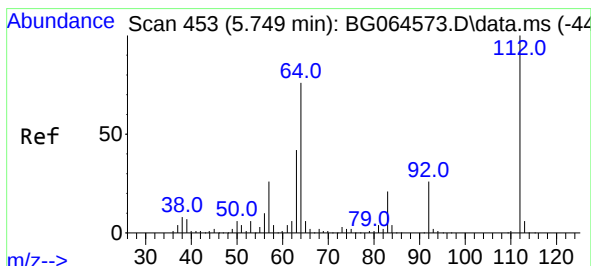
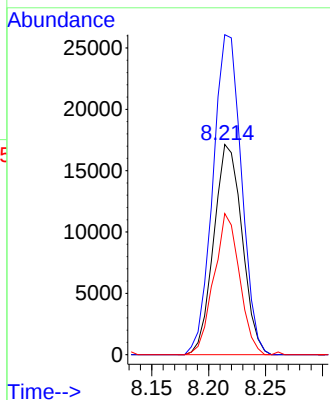
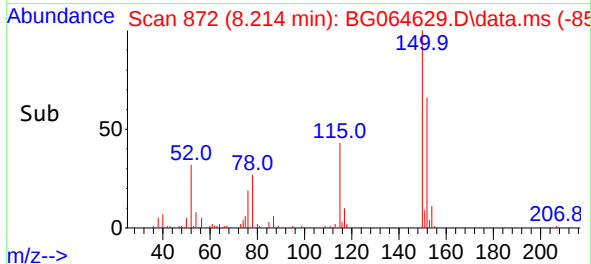
Instrument :
BNA_G
ClientSampleId :
MW-06



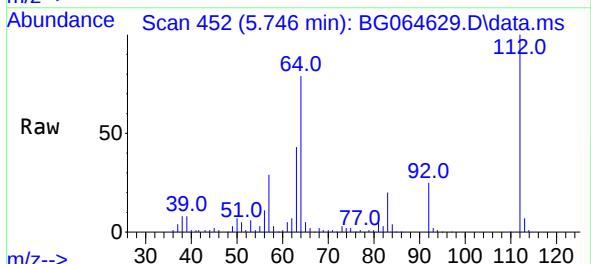
Tgt Ion:152 Resp: 29669
Ion Ratio Lower Upper
152 100
150 152.2 122.2 183.4
115 67.2 50.8 76.2

Manual Integrations
APPROVED

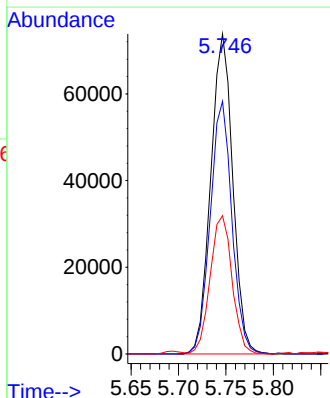
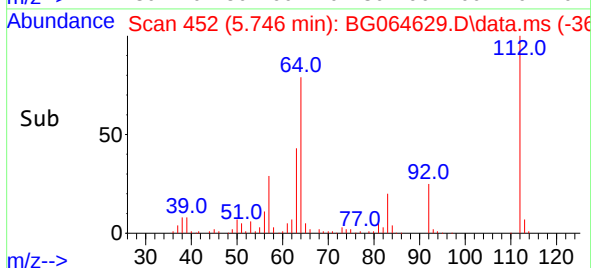
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

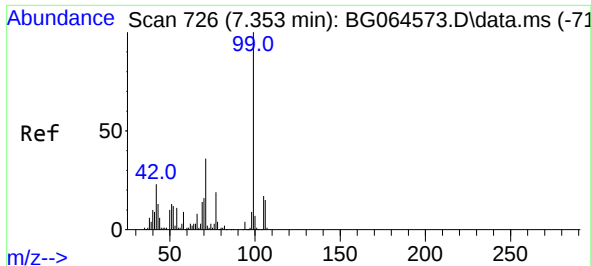


#5
2-Fluorophenol
Concen: 67.428 ng
RT: 5.746 min Scan# 452
Delta R.T. -0.001 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



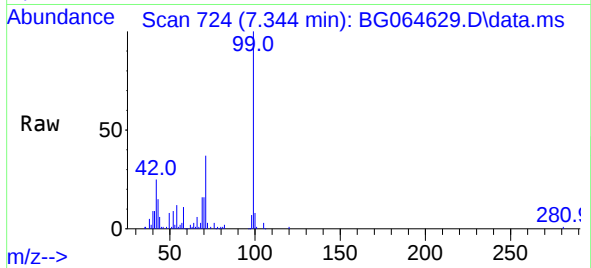
Tgt Ion:112 Resp: 119186
Ion Ratio Lower Upper
112 100
64 79.0 60.7 91.1
63 43.2 33.4 50.0





#7
Phenol-d6
Concen: 41.023 ng
RT: 7.344 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Instrument :
BNA_G
ClientSampleId :
MW-06

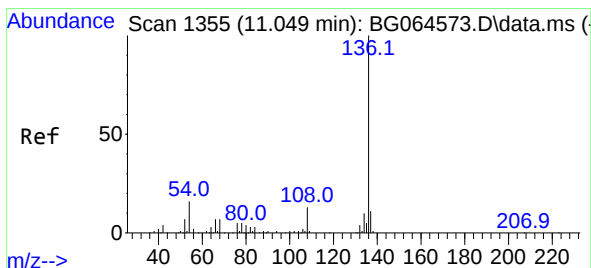
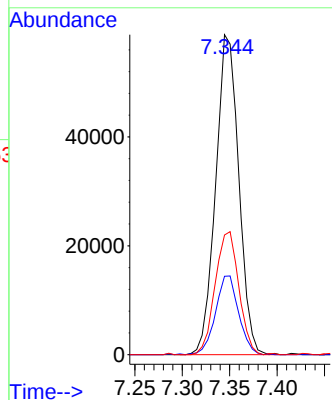


Tgt Ion: 99 Resp: 99502

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	37.4	28.6	43.0

Manual Integrations
APPROVED

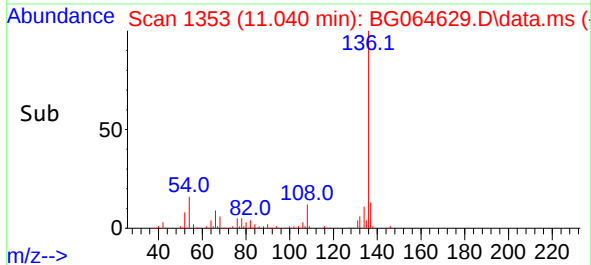
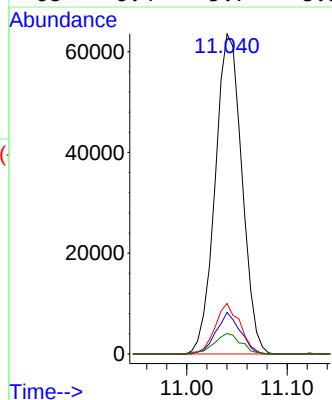
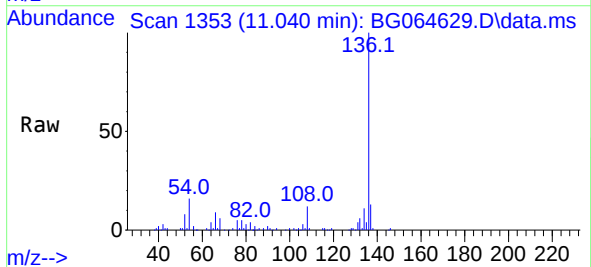
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

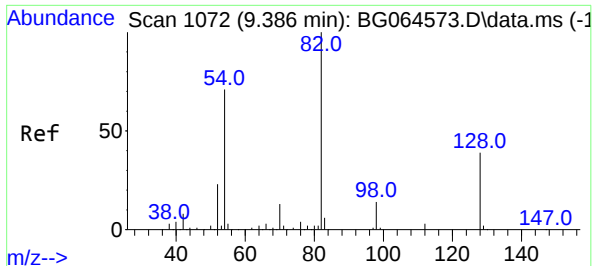


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:136 Resp: 117287

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.2	13.8
54	15.8	12.6	19.0
68	6.4	5.7	8.5





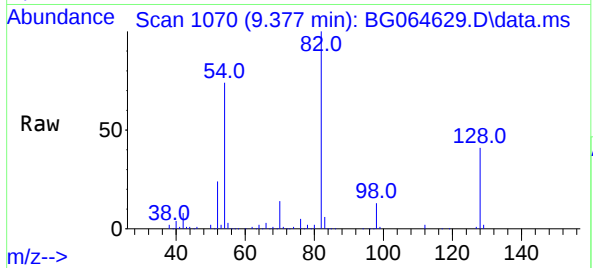
#23
Nitrobenzene-d5
Concen: 120.487 ng
RT: 9.377 min Scan# 1072
Delta R.T. -0.013 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Instrument :

BNA_G

ClientSampleId :

MW-06

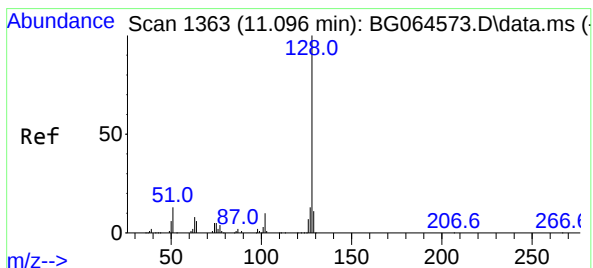
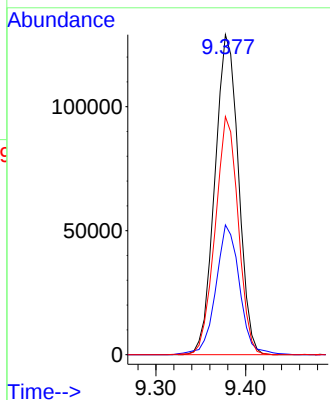
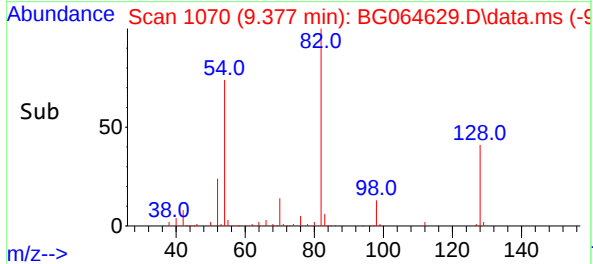


Tgt Ion: 82 Resp: 235280
Ion Ratio Lower Upper
82 100
128 40.5 31.3 46.9
54 74.4 56.6 84.8

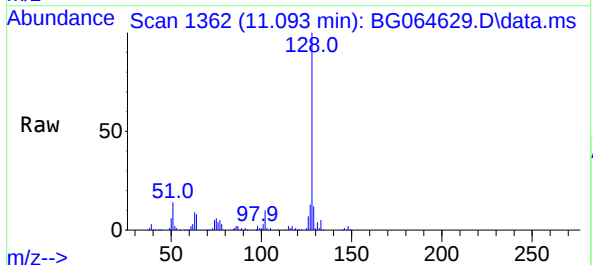
Manual Integrations

APPROVED

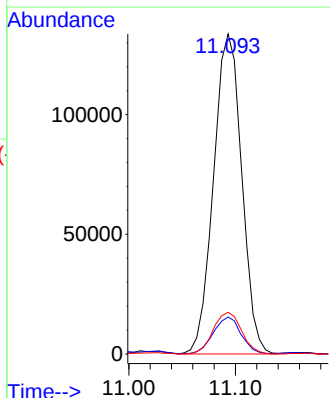
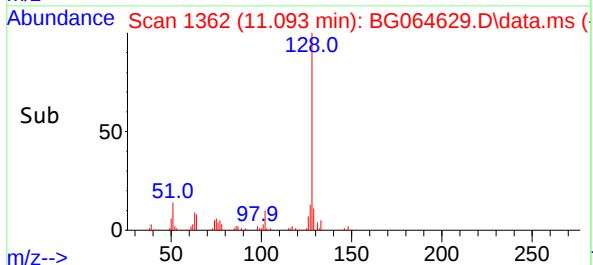
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

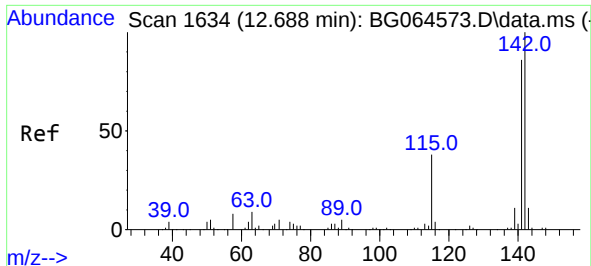


#31
Naphthalene
Concen: 37.716 ng
RT: 11.093 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



Tgt Ion:128 Resp: 245262
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 13.0 10.6 15.8





#37

2-Methylnaphthalene

Concen: 2.329 ng

RT: 12.685 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG064629.D

Acq: 29 Oct 2025 18:56

Instrument :

BNA_G

ClientSampleId :

MW-06

Tgt Ion:142 Resp: 11119

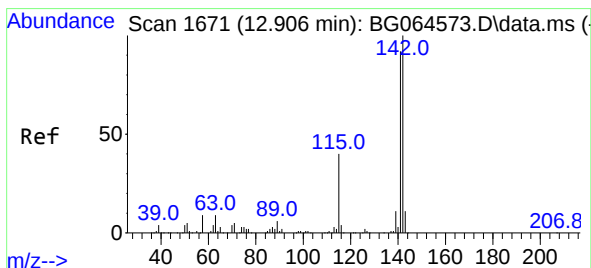
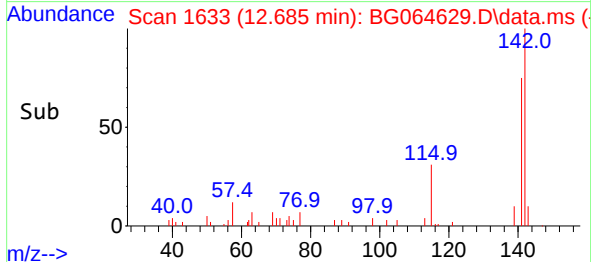
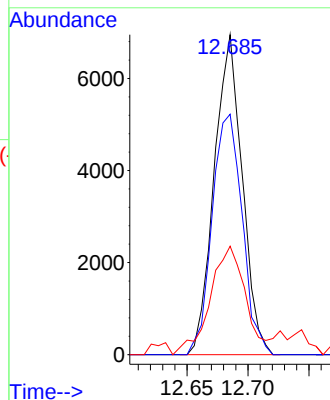
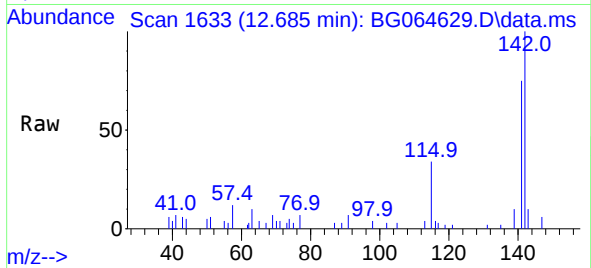
Ion	Ratio	Lower	Upper
142	100		
141	75.2	68.9	103.3
115	33.9	30.6	46.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :mohammad ahmed 11/05/2025



#38

1-Methylnaphthalene

Concen: 12.547 ng m

RT: 12.903 min Scan# 1670

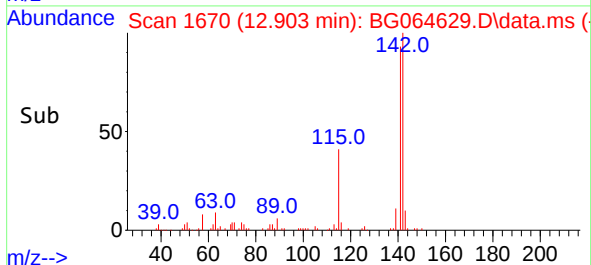
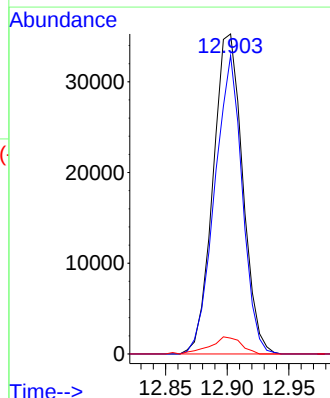
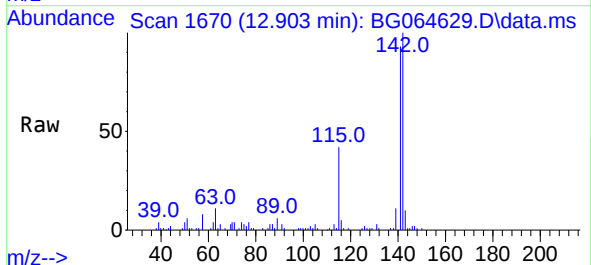
Delta R.T. -0.006 min

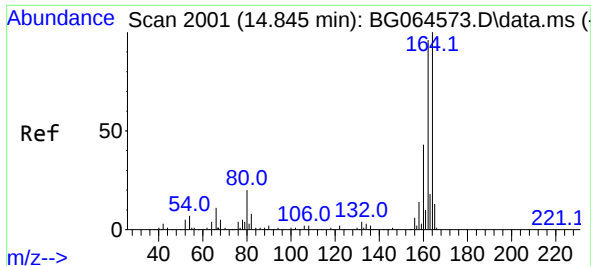
Lab File: BG064629.D

Acq: 29 Oct 2025 18:56

Tgt Ion:142 Resp: 58943

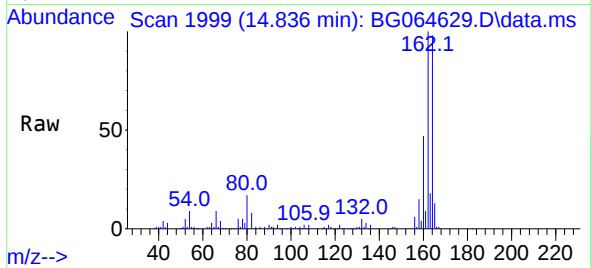
Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.3	109.9
116	5.0	3.1	4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.836 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

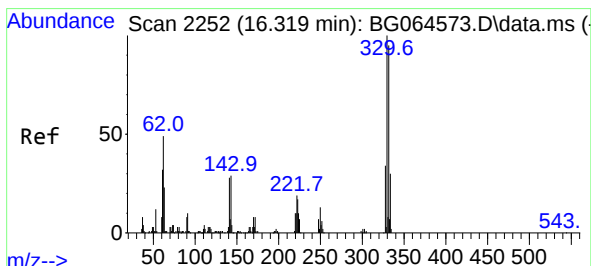
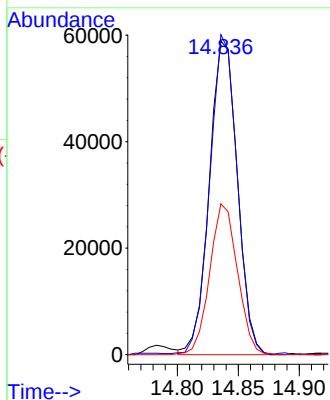
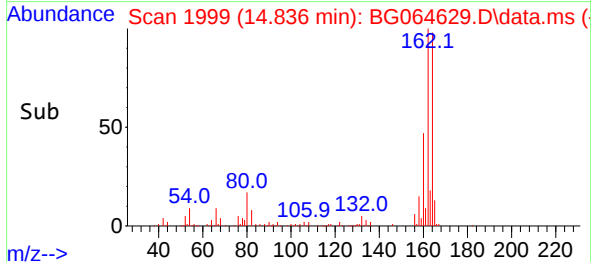
Instrument :
BNA_G
ClientSampleId :
MW-06



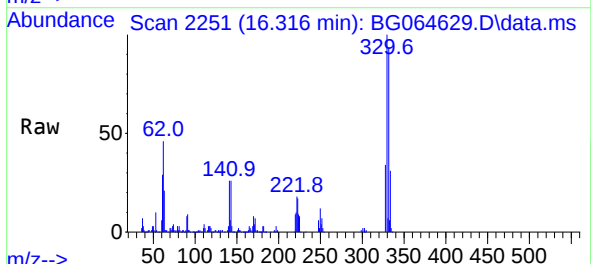
Tgt Ion:164 Resp: 9454
Ion Ratio Lower Upper
164 100
162 102.1 77.0 115.6
160 48.1 34.4 51.6

Manual Integrations
APPROVED

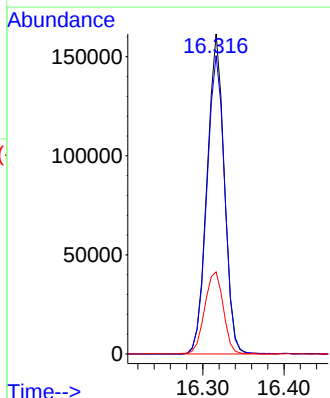
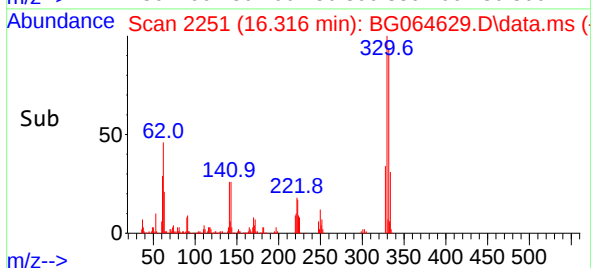
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

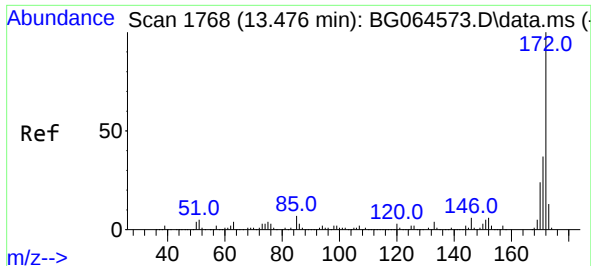


#42
2,4,6-Tribromophenol
Concen: 174.160 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



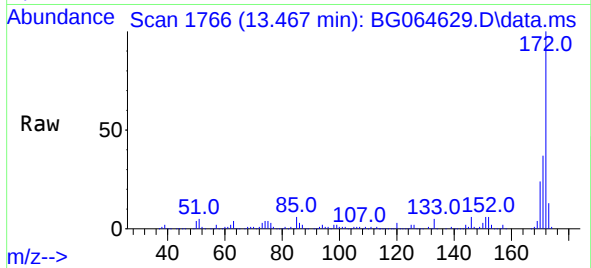
Tgt Ion:330 Resp: 237643
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 27.7 21.8 32.6





#45
2-Fluorobiphenyl
Concen: 95.261 ng
RT: 13.467 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

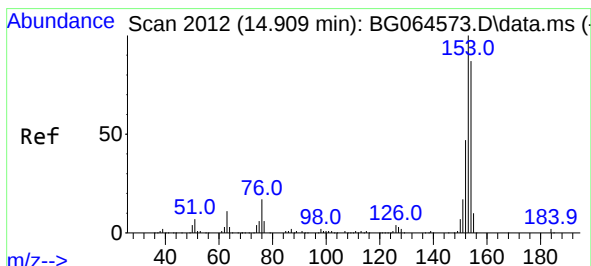
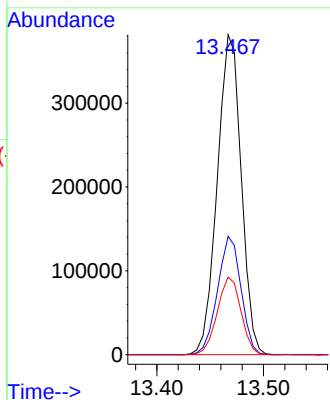
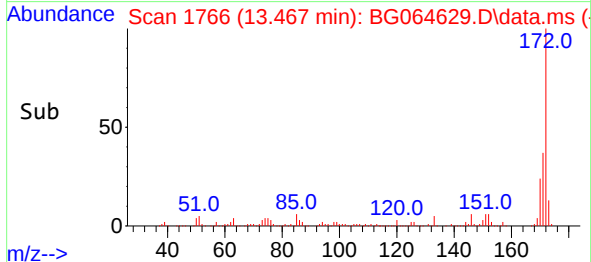
Instrument :
BNA_G
ClientSampleId :
MW-06



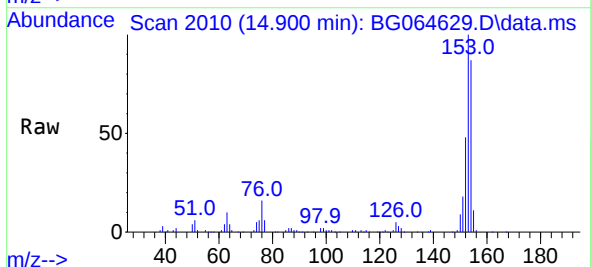
Tgt Ion:172 Resp: 594168
Ion Ratio Lower Upper
172 100
171 37.0 29.4 44.0
170 24.3 19.1 28.7

Manual Integrations
APPROVED

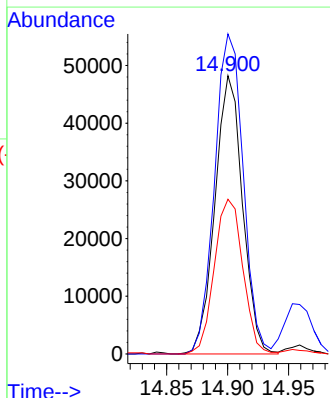
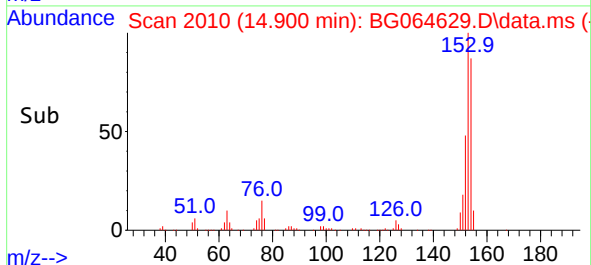
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

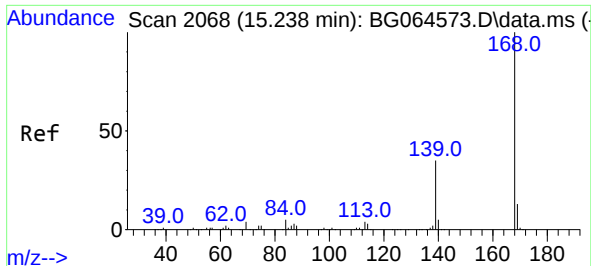


#52
Acenaphthene
Concen: 13.903 ng
RT: 14.900 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



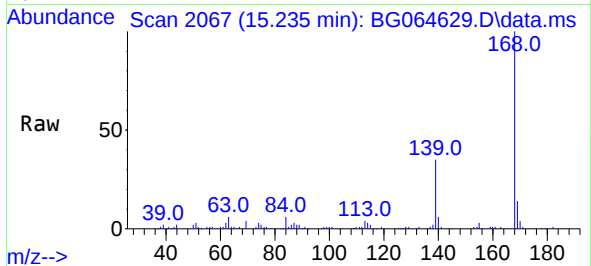
Tgt Ion:154 Resp: 76013
Ion Ratio Lower Upper
154 100
153 115.0 92.2 138.4
152 55.6 43.2 64.8





#55
Dibenzenofuran
Concen: 8.951 ng
RT: 15.235 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

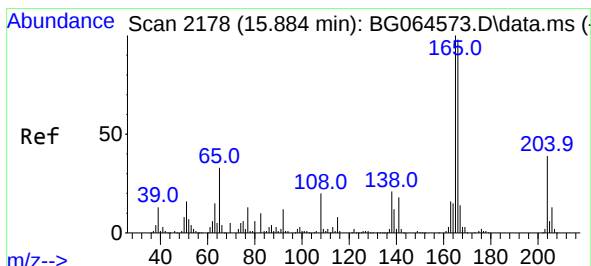
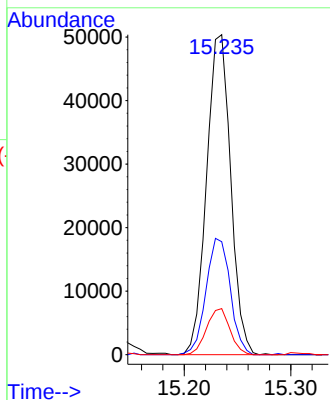
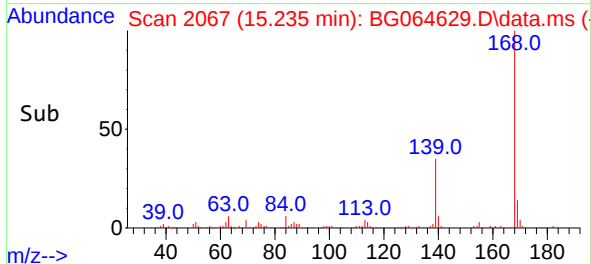
Instrument :
BNA_G
ClientSampleId :
MW-06



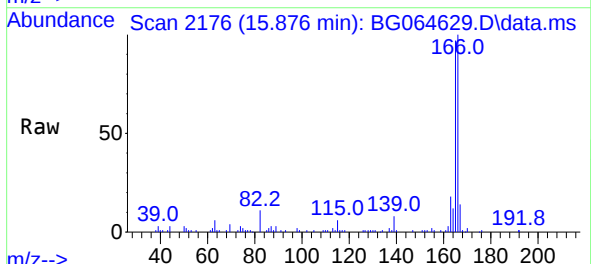
Tgt Ion:168 Resp: 7912
Ion Ratio Lower Upper
168 100
139 35.3 27.8 41.8
169 14.4 10.3 15.5

Manual Integrations
APPROVED

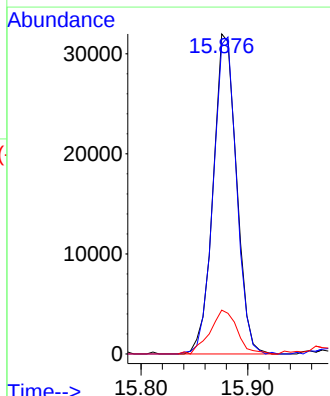
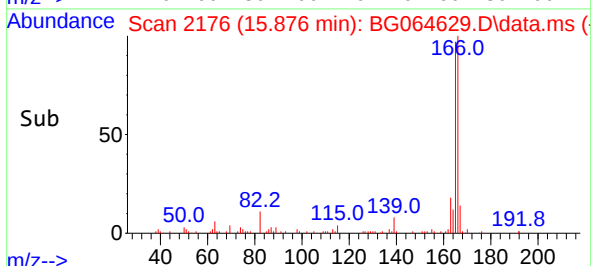
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

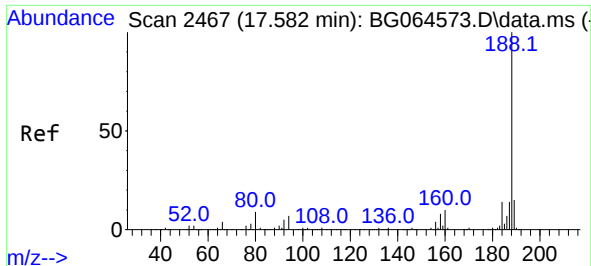


#58
Fluorene
Concen: 7.030 ng
RT: 15.876 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



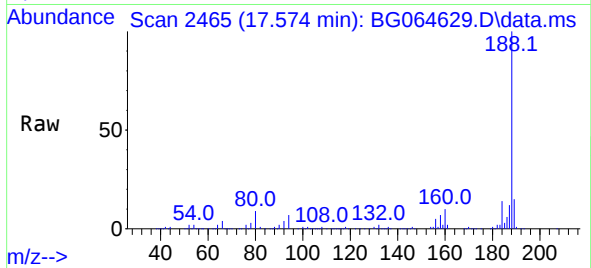
Tgt Ion:166 Resp: 48529
Ion Ratio Lower Upper
166 100
165 96.8 81.5 122.3
167 13.7 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

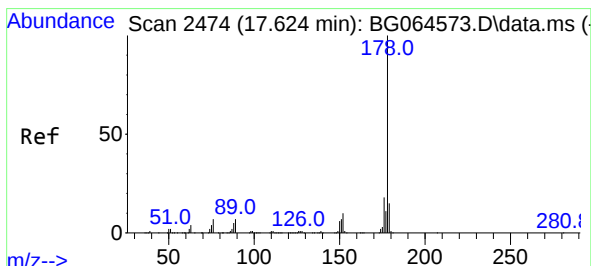
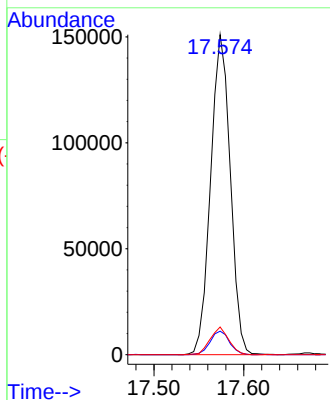
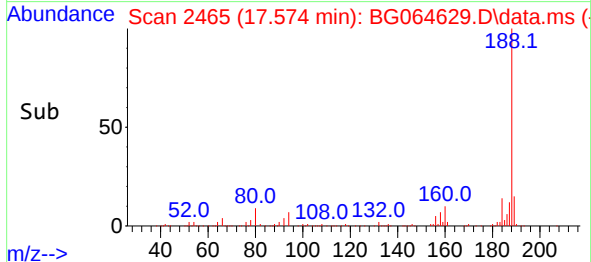
Instrument :
BNA_G
ClientSampleId :
MW-06



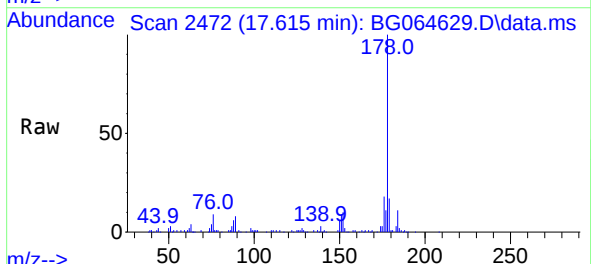
Tgt Ion:188 Resp: 229494
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.7 6.8 10.2

Manual Integrations
APPROVED

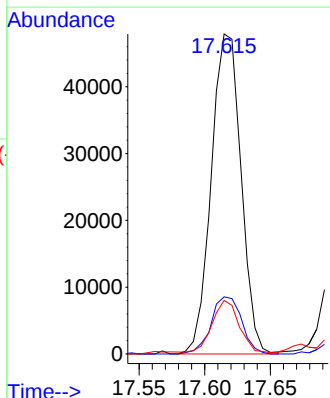
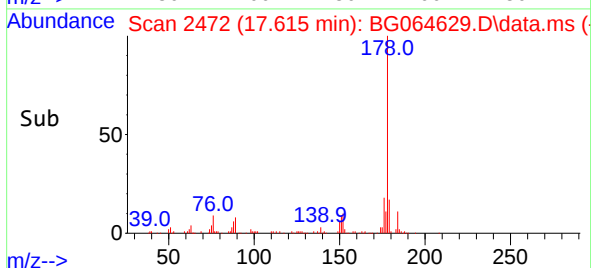
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

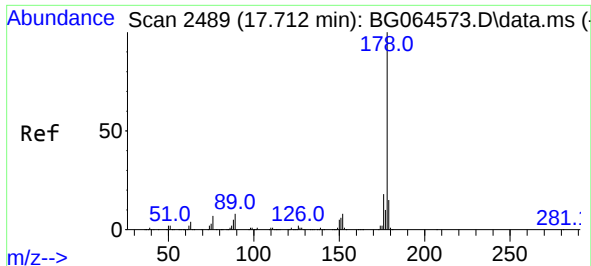


#71
Phenanthrene
Concen: 6.022 ng
RT: 17.615 min Scan# 2472
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



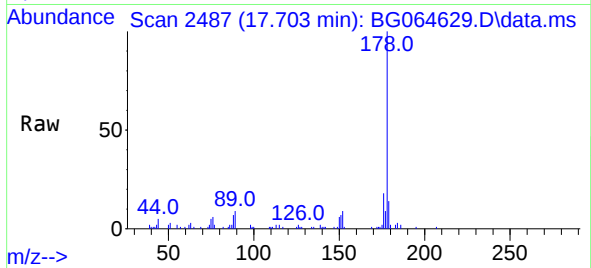
Tgt Ion:178 Resp: 75579
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 16.7 12.2 18.4





#72
 Anthracene
 Concen: 3.393 ng
 RT: 17.703 min Scan# 2489
 Delta R.T. -0.012 min
 Lab File: BG064629.D
 Acq: 29 Oct 2025 18:56

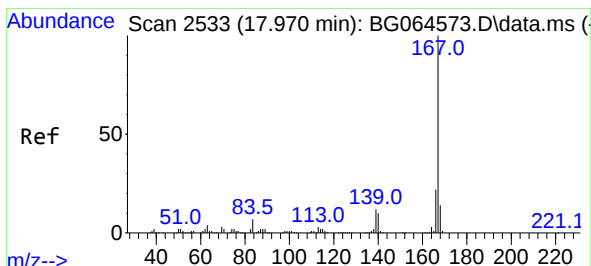
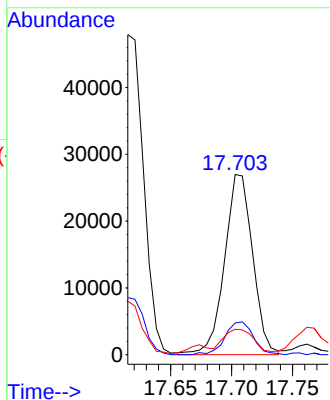
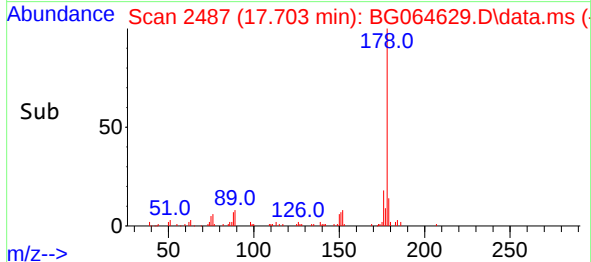
Instrument :
 BNA_G
 ClientSampleId :
 MW-06



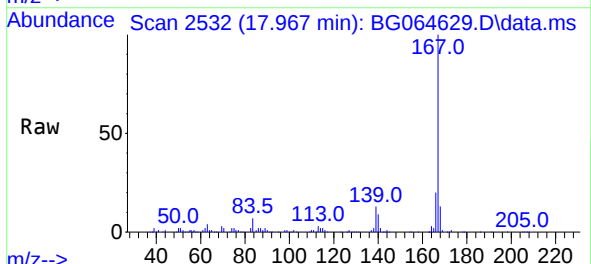
Tgt Ion:178 Resp: 43317
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.4 21.6
 179 14.1 12.4 18.6

Manual Integrations
 APPROVED

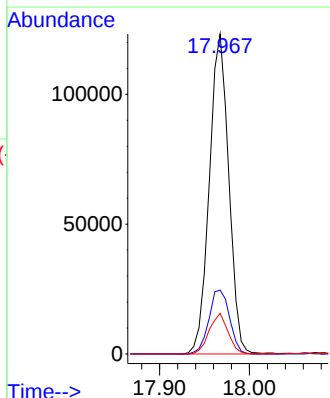
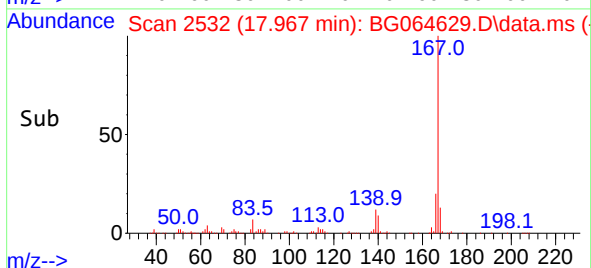
Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :mohammad ahmed 11/05/2025

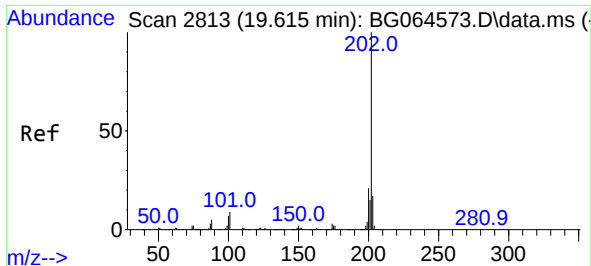


#73
 Carbazole
 Concen: 16.431 ng
 RT: 17.967 min Scan# 2532
 Delta R.T. -0.006 min
 Lab File: BG064629.D
 Acq: 29 Oct 2025 18:56



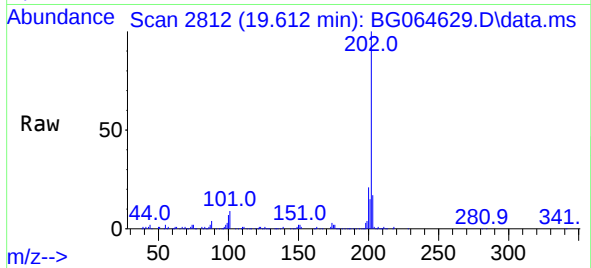
Tgt Ion:167 Resp: 184979
 Ion Ratio Lower Upper
 167 100
 166 19.9 17.9 26.9
 139 12.7 9.7 14.5





#75
Fluoranthene
Concen: 6.809 ng
RT: 19.612 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

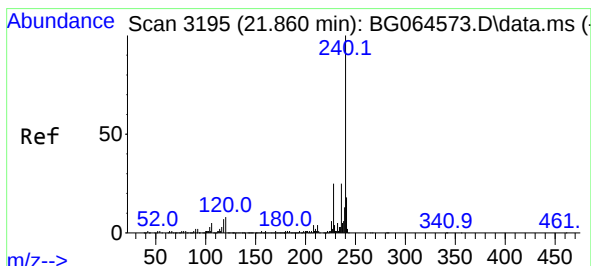
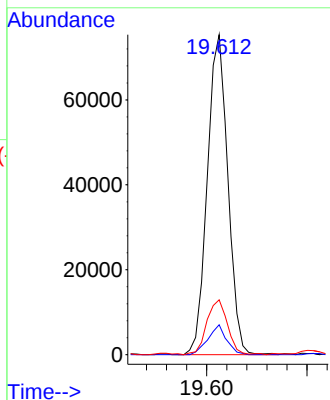
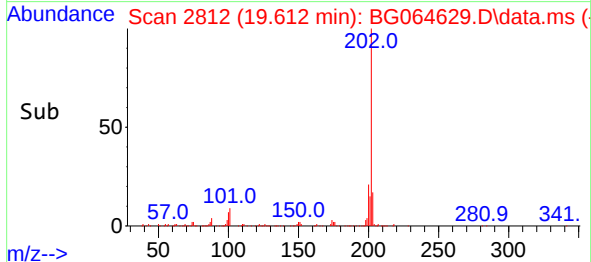
Instrument :
BNA_G
ClientSampleId :
MW-06



Tgt Ion:202 Resp: 10705
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.7
203 17.2 0.0 37.0

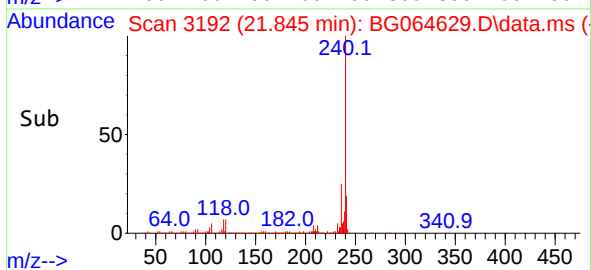
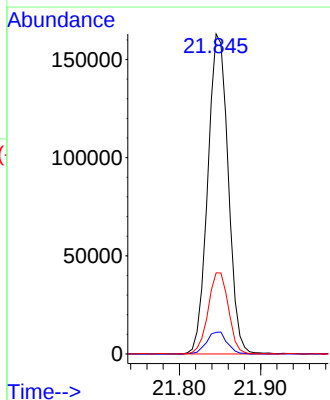
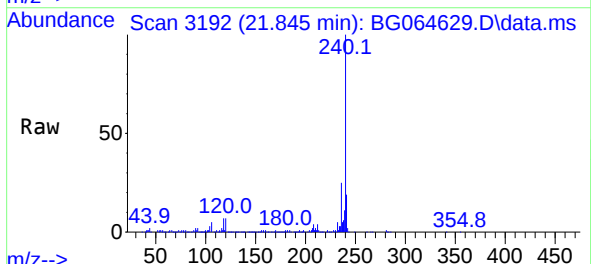
Manual Integrations
APPROVED

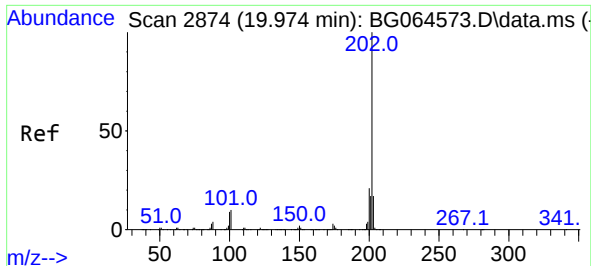
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.845 min Scan# 3192
Delta R.T. -0.018 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

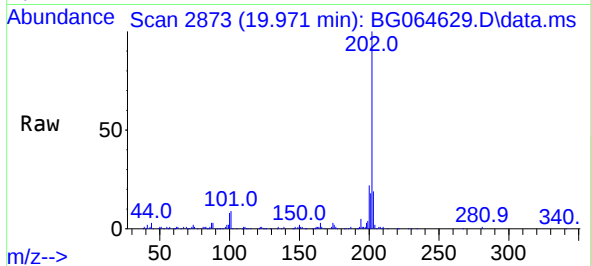
Tgt Ion:240 Resp: 284022
Ion Ratio Lower Upper
240 100
120 6.7 6.5 9.7
236 25.4 20.2 30.2





#78
Pyrene
Concen: 4.594 ng
RT: 19.971 min Scan# 202
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

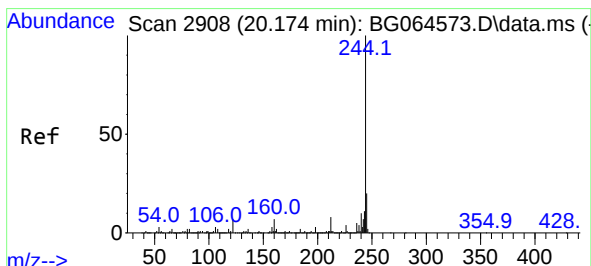
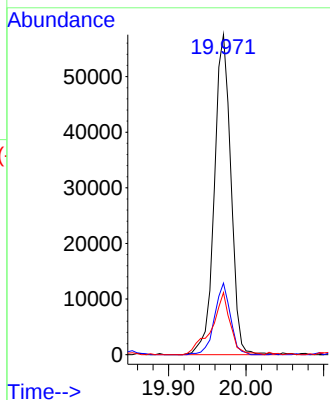
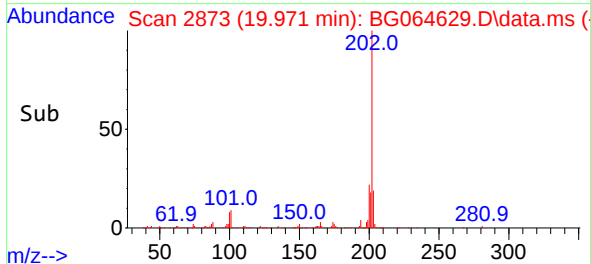
Instrument :
BNA_G
ClientSampleId :
MW-06



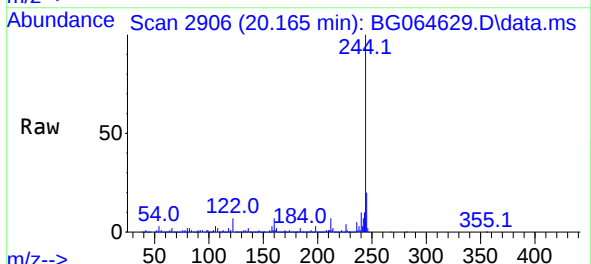
Tgt Ion:202 Resp: 8525
Ion Ratio Lower Upper
202 100
200 22.3 17.0 25.4
203 19.4 13.8 20.6

Manual Integrations
APPROVED

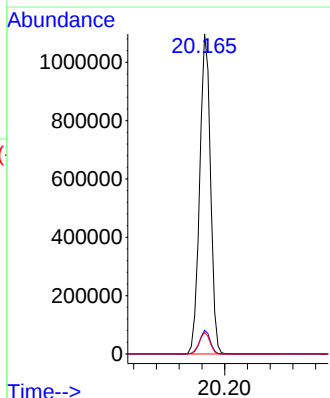
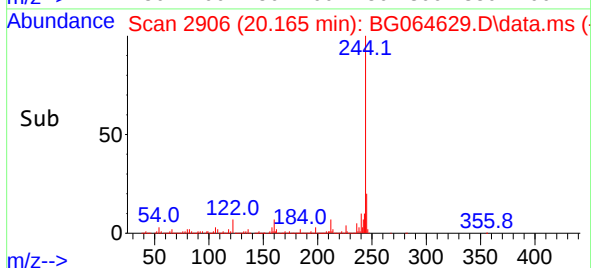
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

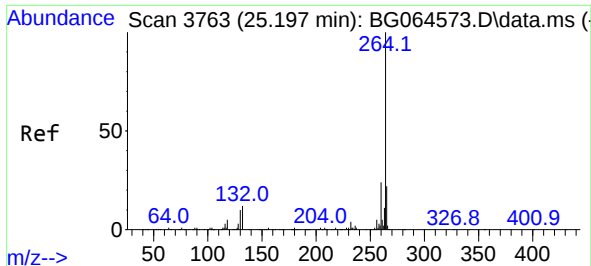


#79
Terphenyl-d14
Concen: 96.155 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56



Tgt Ion:244 Resp: 1447151
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.7 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.188 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG064629.D

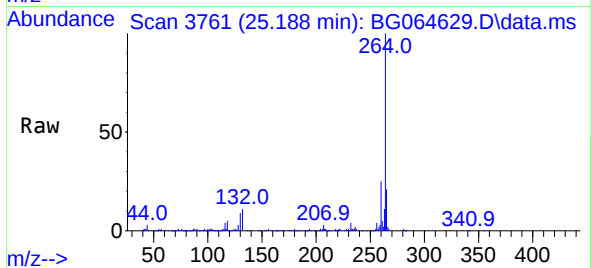
Acq: 29 Oct 2025 18:56

Instrument :

BNA_G

ClientSampleId :

MW-06



Tgt Ion:264 Resp: 312530

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 20.7 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :mohammad ahmed 11/05/2025

