

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064612.D
 Acq On : 28 Oct 2025 21:59
 Operator : RC/JU
 Sample : Q3460-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: Nov 04 05:54:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	48455	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	191990	20.000	ng	0.00
39) Acenaphthene-d10	14.835	164	148446	20.000	ng	0.00
64) Phenanthrene-d10	17.573	188	328340	20.000	ng	0.00
76) Chrysene-d12	21.845	240	293148	20.000	ng	-0.02
86) Perylene-d12	25.188	264	330220	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	240508	83.313	ng	0.00
7) Phenol-d6	7.350	99	319066	80.546	ng	0.00
23) Nitrobenzene-d5	9.377	82	198849	62.208	ng	0.00
42) 2,4,6-Tribromophenol	16.316	330	176293	82.283	ng	0.00
45) 2-Fluorobiphenyl	13.466	172	529753	54.092	ng	0.00
79) Terphenyl-d14	20.164	244	794839	51.168	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.612	202	104469	4.644	ng	95
78) Pyrene	19.971	202	99889	5.215	ng	99
81) Benzo(a)anthracene	21.827	228	63403	3.262	ng	95
83) Chrysene	21.898	228	61367	3.318	ng	98
87) Indeno(1,2,3-cd)pyrene	29.001	276	90005	3.705	ng	95
88) Benzo(b)fluoranthene	24.130	252	113474	5.604	ng	# 94
90) Benzo(a)pyrene	25.023	252	85749	4.607	ng	# 97
92) Benzo(g,h,i)perylene	30.194	276	103243	5.476	ng	97

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

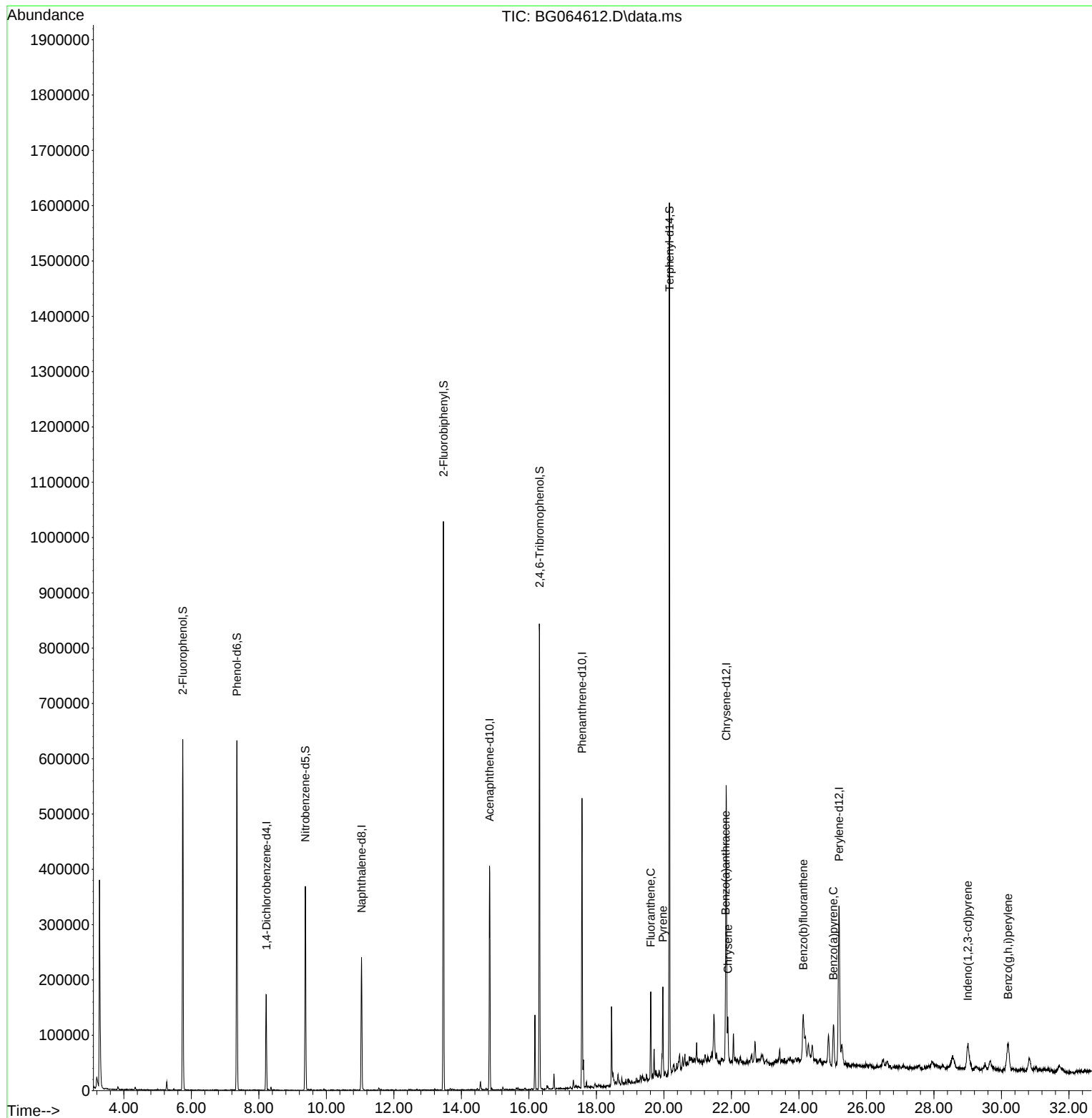
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064612.D
Acq On : 28 Oct 2025 21:59
Operator : RC/JU
Sample : Q3460-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

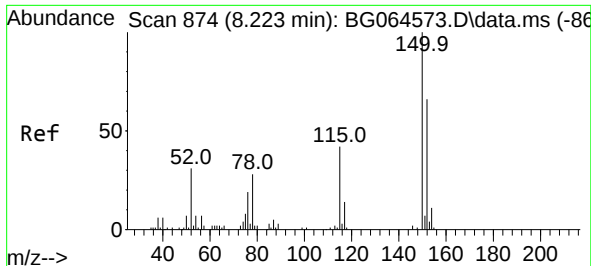
Instrument :
BNA_G
ClientSampleId :
WC-1

Quant Time: Nov 04 05:54:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Manual Integrations
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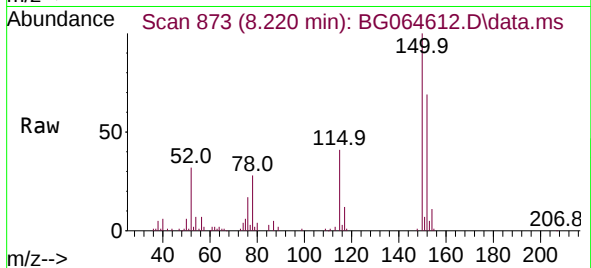
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

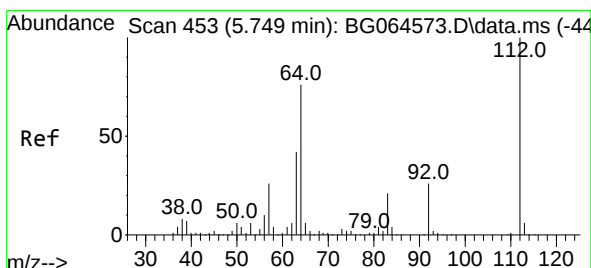
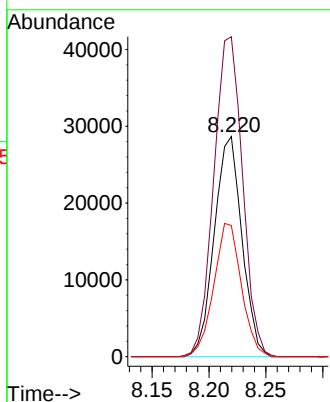
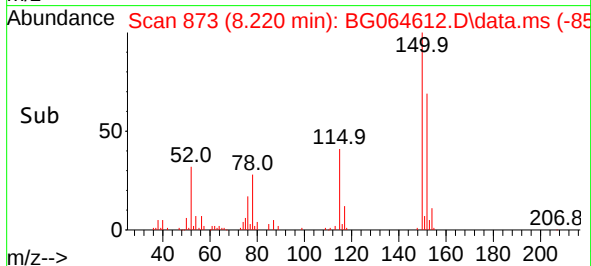
Instrument :
BNA_G
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 4845
Ion Ratio Lower Upper
152 100
150 145.4 122.2 183.4
115 59.6 50.8 76.2

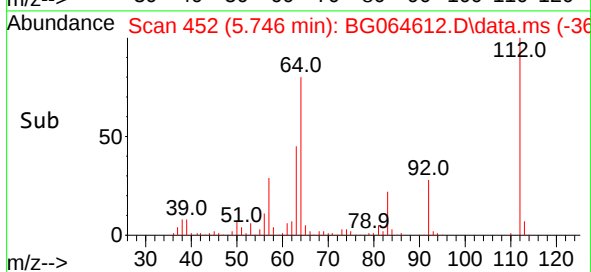
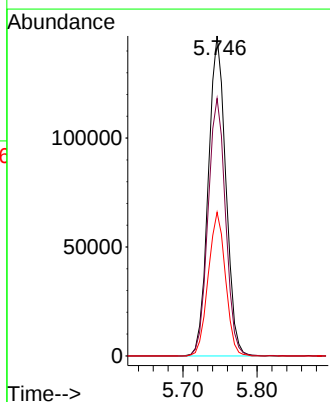
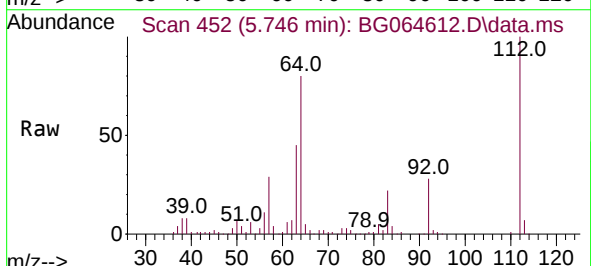
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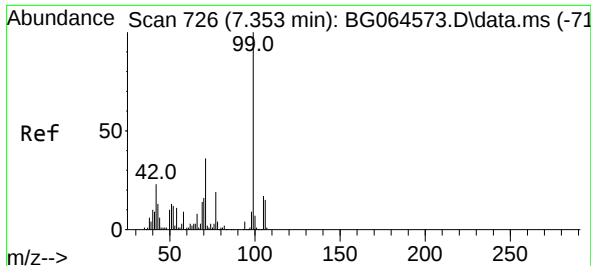
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#5
2-Fluorophenol
Concen: 83.313 ng
RT: 5.746 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Tgt Ion:112 Resp: 240508
Ion Ratio Lower Upper
112 100
64 80.5 60.7 91.1
63 44.9 33.4 50.0





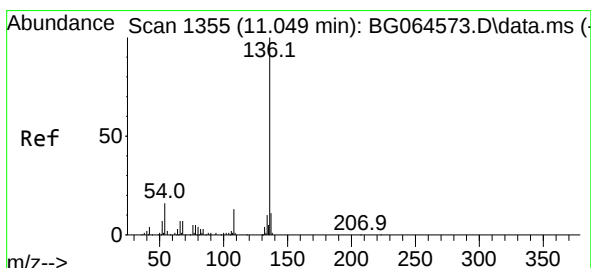
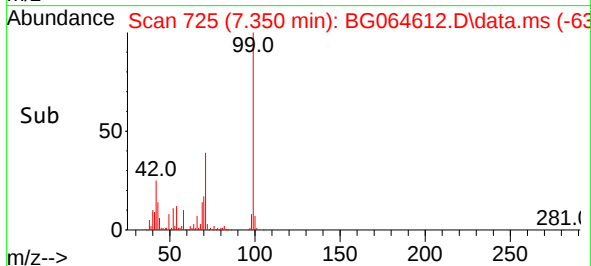
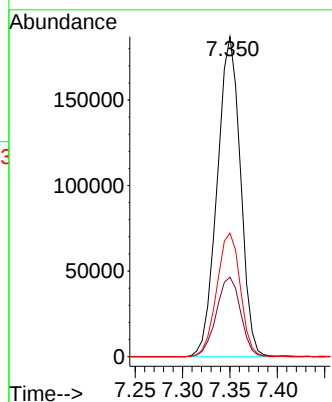
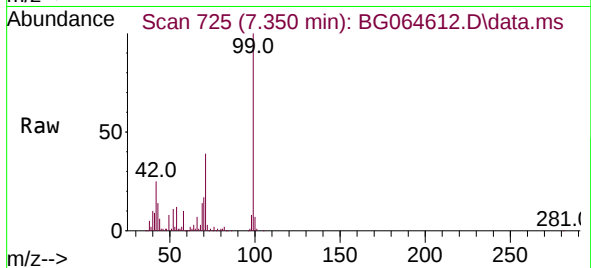
#7
Phenol-d6
Concen: 80.546 ng
RT: 7.350 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 319066
Ion Ratio Lower Upper
99 100
42 24.8 18.3 27.5
71 38.6 28.6 43.0

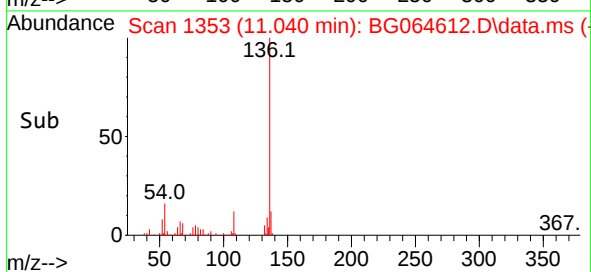
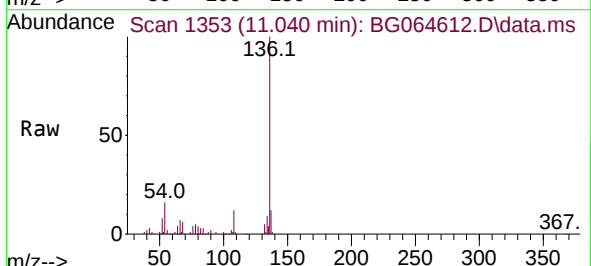
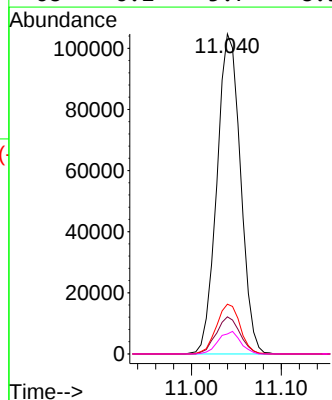
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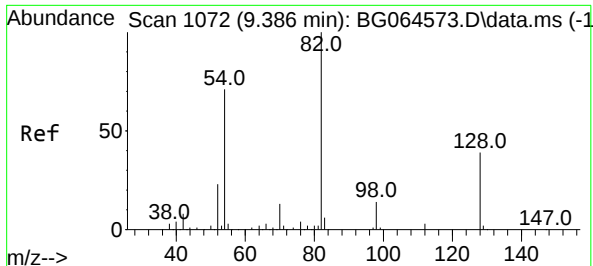
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1353
Delta R.T. -0.009 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Tgt Ion:136 Resp: 191990
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 15.5 12.6 19.0
68 6.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 62.208 ng

RT: 9.377 min Scan# 1072

Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

Instrument :

BNA_G

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 198849

Ion Ratio Lower Upper

82 100

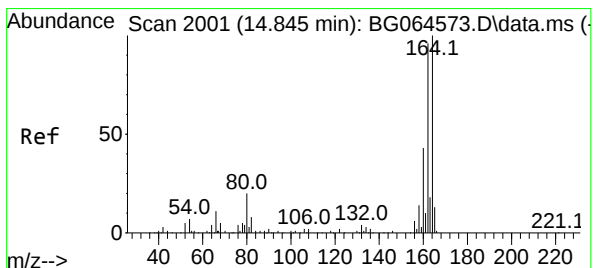
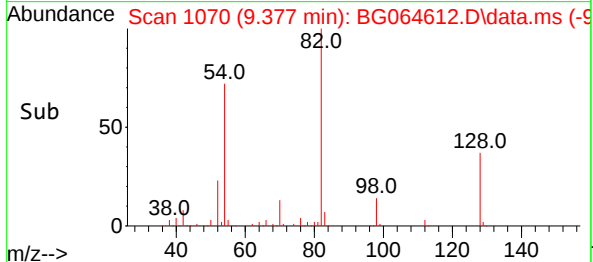
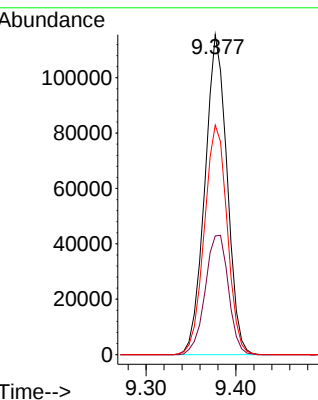
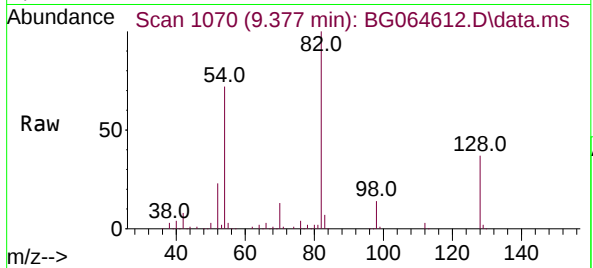
128 37.1 31.3 46.9

54 71.7 56.6 84.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.835 min Scan# 1999

Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

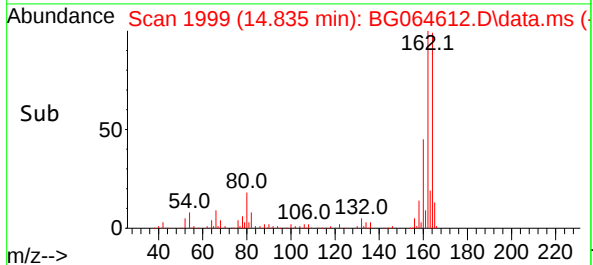
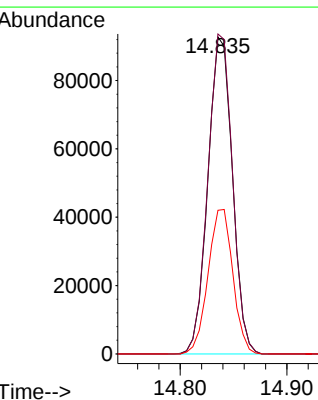
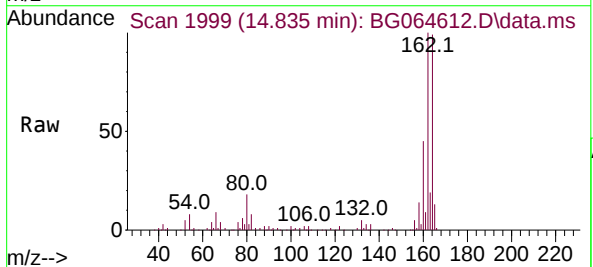
Tgt Ion:164 Resp: 148446

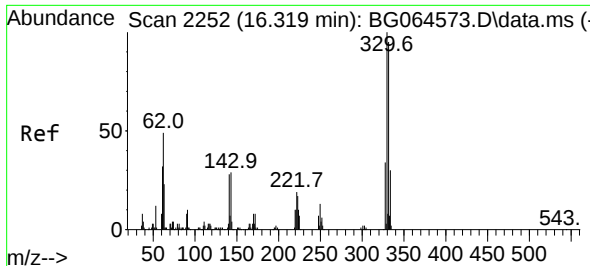
Ion Ratio Lower Upper

164 100

162 101.0 77.0 115.6

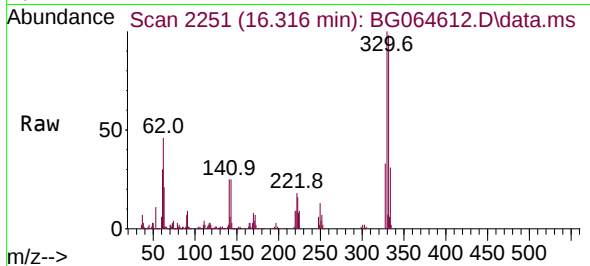
160 45.3 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 82.283 ng
RT: 16.316 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

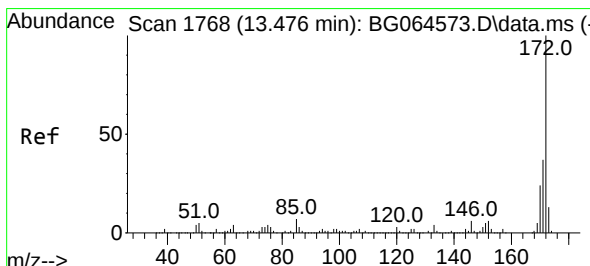
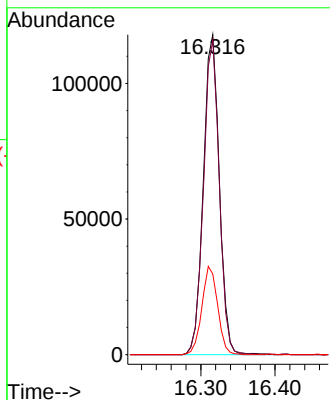
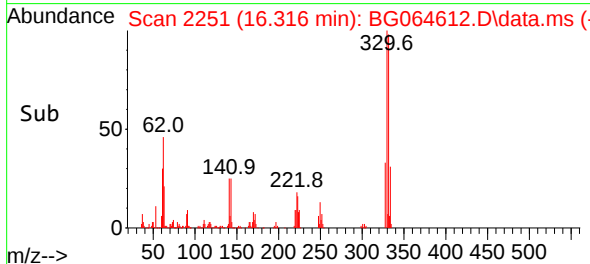
Instrument :
BNA_G
ClientSampleId :
WC-1



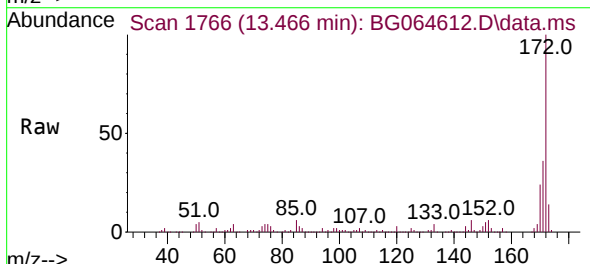
Tgt Ion:330 Resp: 176293
Ion Ratio Lower Upper
330 100
332 97.0 78.0 117.0
141 27.2 21.8 32.6

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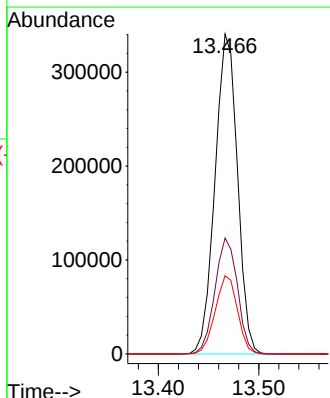
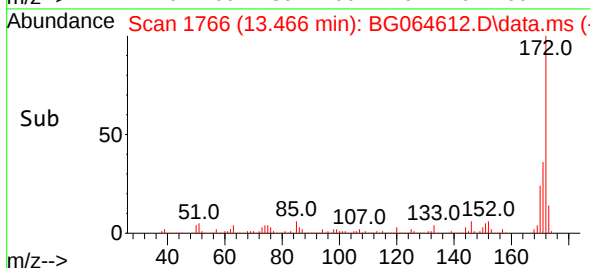
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

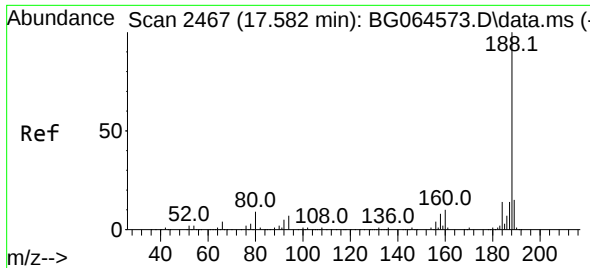


#45
2-Fluorobiphenyl
Concen: 54.092 ng
RT: 13.466 min Scan# 1766
Delta R.T. -0.009 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59



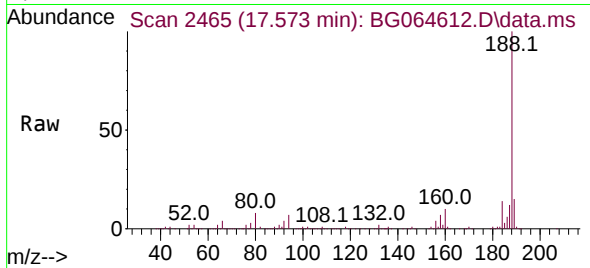
Tgt Ion:172 Resp: 529753
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 24.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.009 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

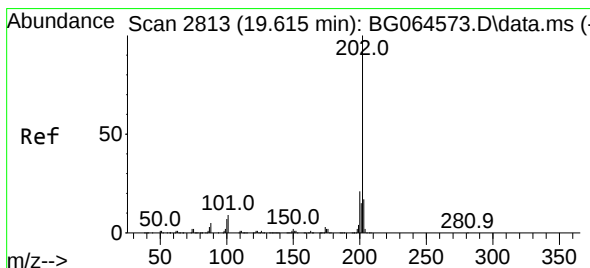
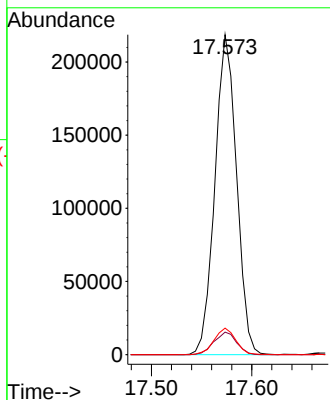
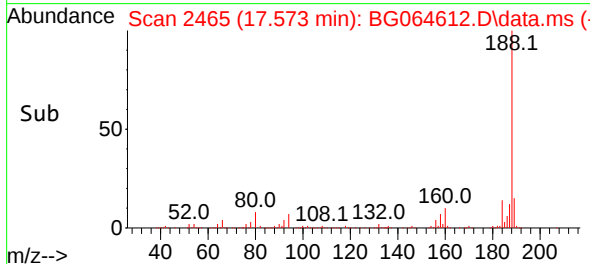
Instrument :
BNA_G
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 328340
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 8.3 6.8 10.2

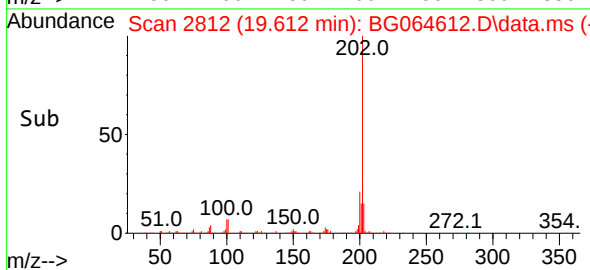
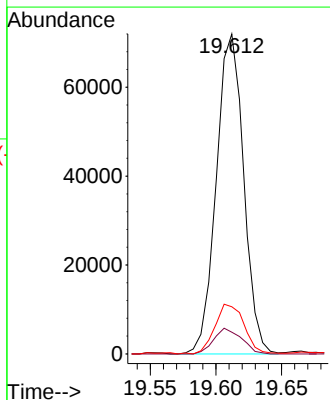
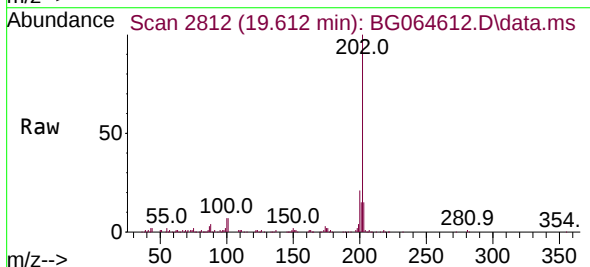
Manual Integrations
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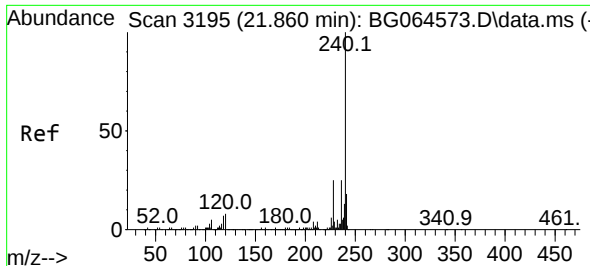
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#75
Fluoranthene
Concen: 4.644 ng
RT: 19.612 min Scan# 2812
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Tgt Ion:202 Resp: 104469
Ion Ratio Lower Upper
202 100
101 6.8 0.0 28.7
203 14.7 0.0 37.0





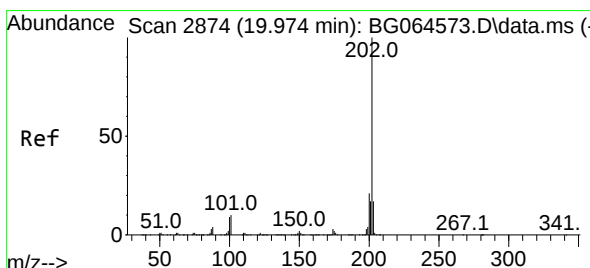
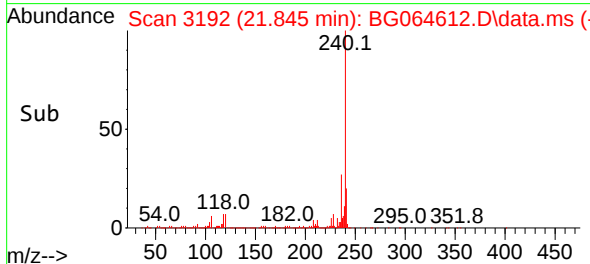
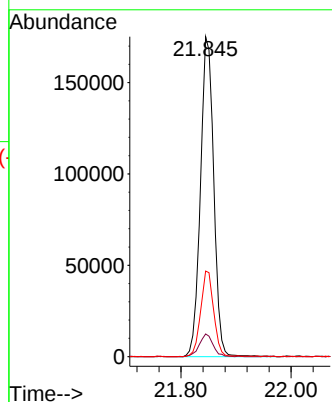
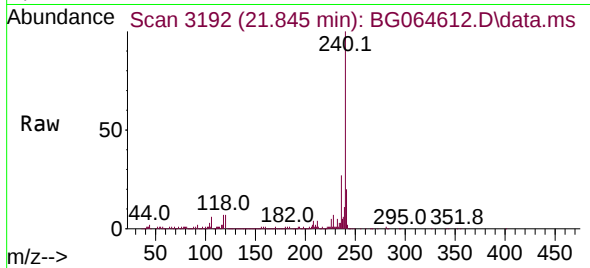
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.845 min Scan# 3195
Delta R.T. -0.015 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:240 Resp: 293148
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 26.7 20.2 30.2

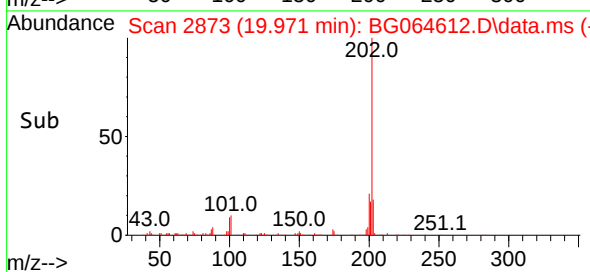
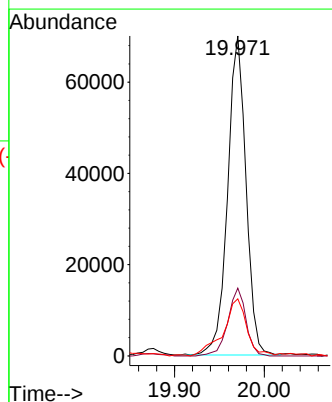
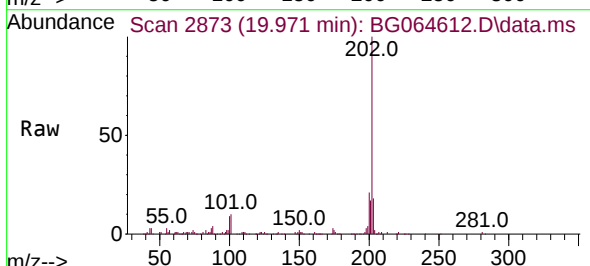
Manual Integrations
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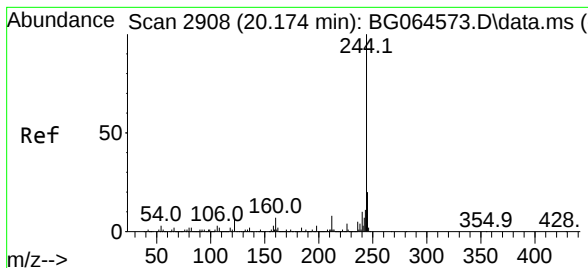
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#78
Pyrene
Concen: 5.215 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.003 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Tgt Ion:202 Resp: 99889
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 51.168 ng

RT: 20.164 min Scan# 2906

Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

Instrument :

BNA_G

ClientSampleId :

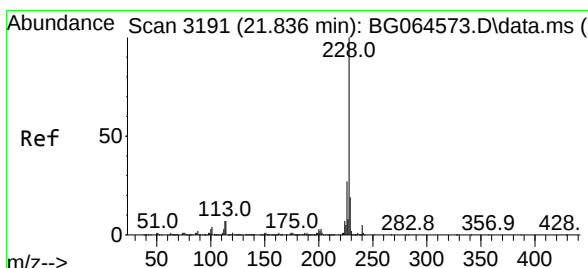
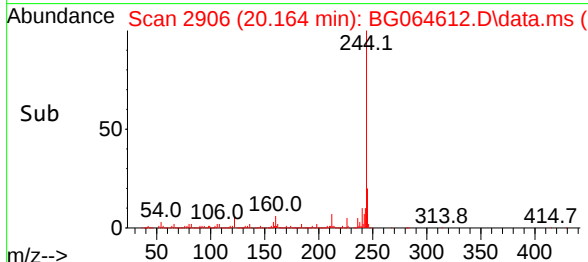
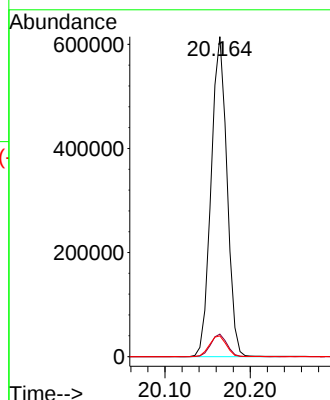
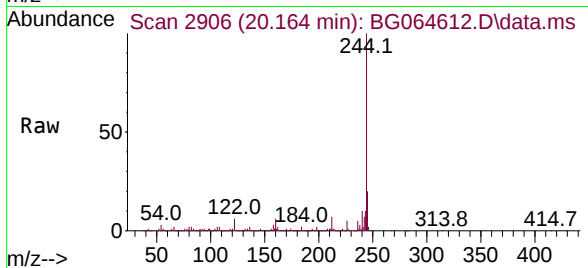
WC-1

Tgt Ion:244 Resp: 794839
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 6.5 5.6 8.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025



#81

Benzo(a)anthracene

Concen: 3.262 ng

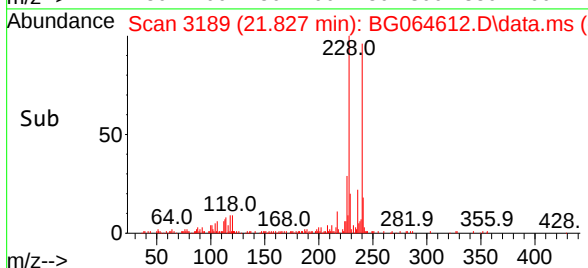
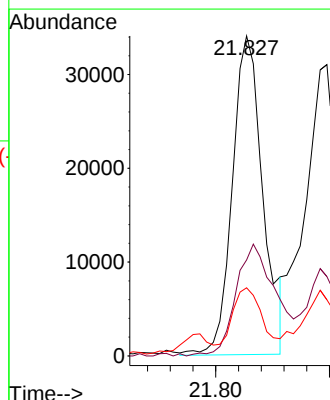
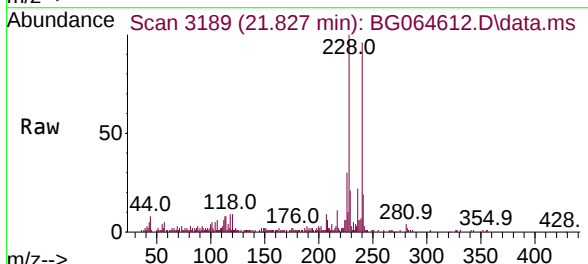
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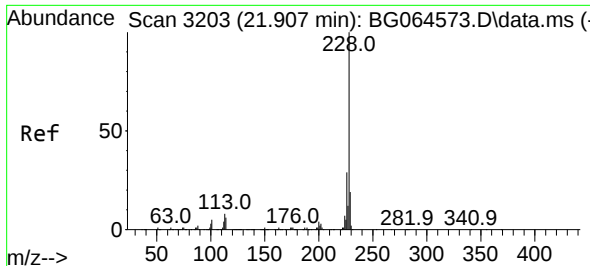
Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

Tgt Ion:228 Resp: 63403
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.9 32.9
 229 21.3 15.6 23.4





#83

Chrysene

Concen: 3.318 ng

RT: 21.898 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

Instrument :

BNA_G

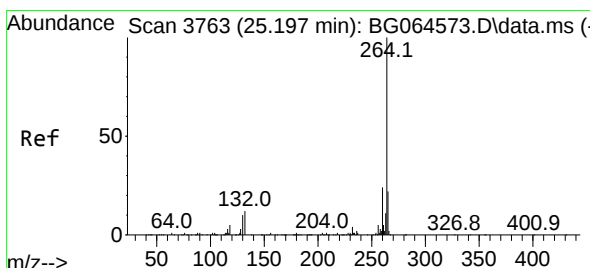
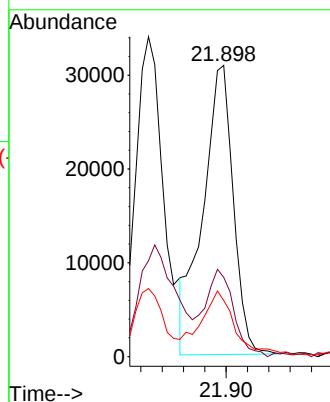
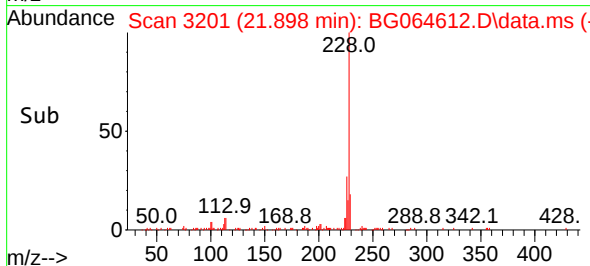
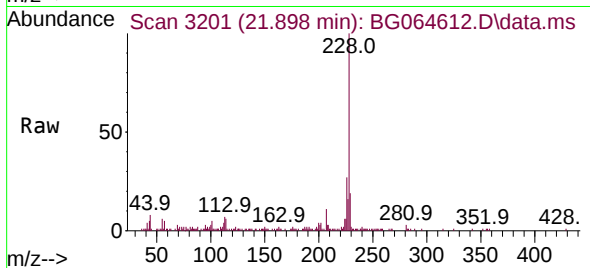
ClientSampleId :

WC-1

Tgt Ion:228	Resp: 61362
Ion Ratio	Lower Upper
228 100	
226 27.2	23.3 34.9
229 19.2	15.2 22.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#86

Perylene-d12

Concen: 20.000 ng

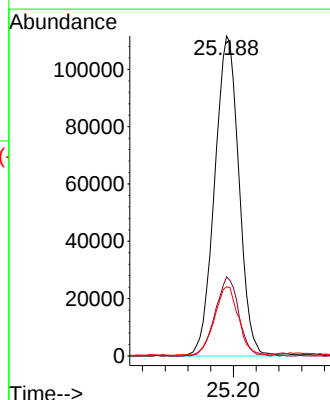
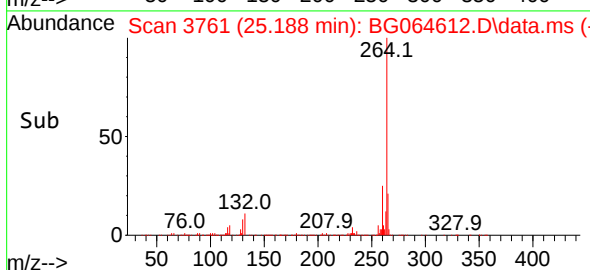
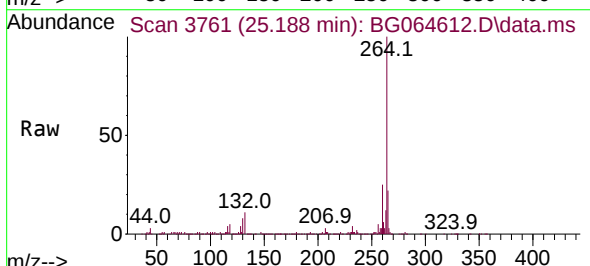
RT: 25.188 min Scan# 3761

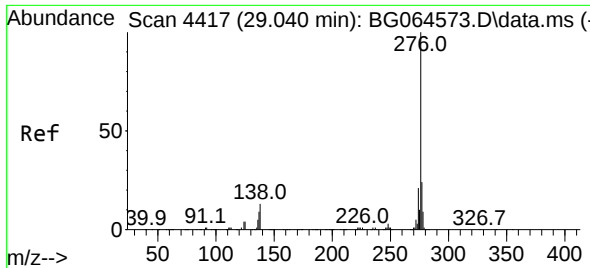
Delta R.T. -0.009 min

Lab File: BG064612.D

Acq: 28 Oct 2025 21:59

Tgt Ion:264	Resp: 330220
Ion Ratio	Lower Upper
264 100	
260 24.7	19.0 28.4
265 21.6	17.6 26.4





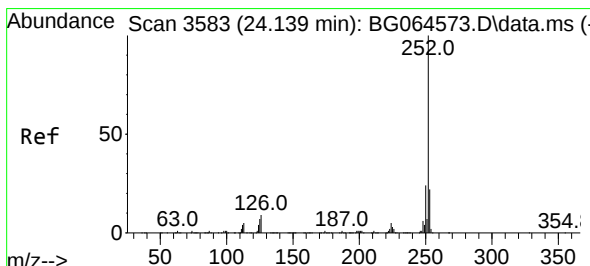
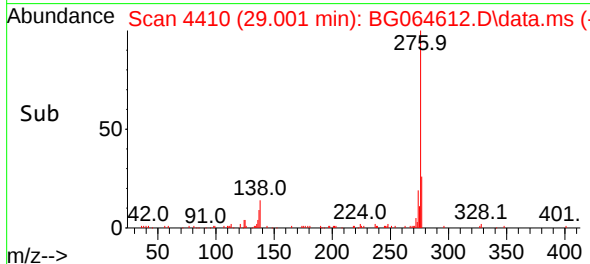
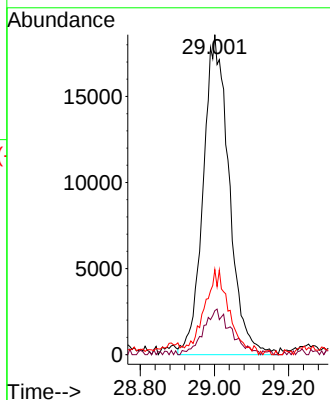
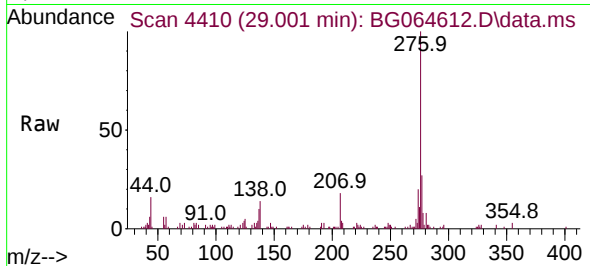
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.705 ng
RT: 29.001 min Scan# 4417
Delta R.T. -0.039 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Instrument :
BNA_G
ClientSampleId :
WC-1

Tgt Ion:276 Resp: 90005
Ion Ratio Lower Upper
276 100
138 15.3 10.8 16.2
277 22.6 20.1 30.1

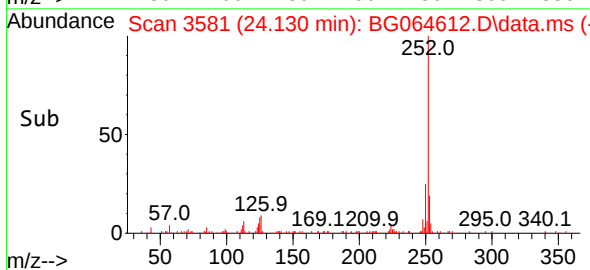
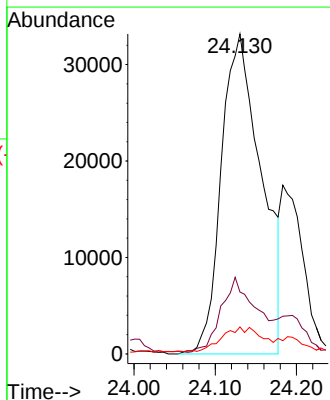
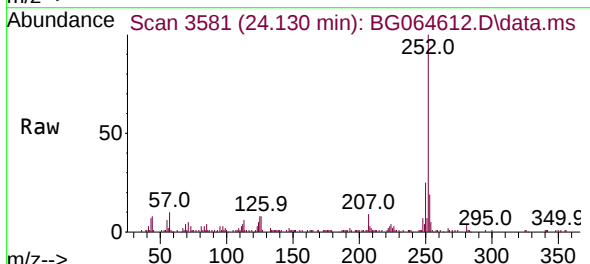
Manual Integrations
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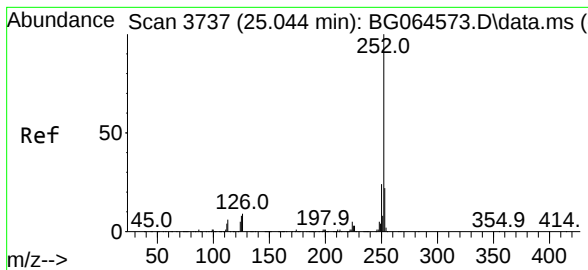
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#88
Benzo(b)fluoranthene
Concen: 5.604 ng
RT: 24.130 min Scan# 3581
Delta R.T. -0.009 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

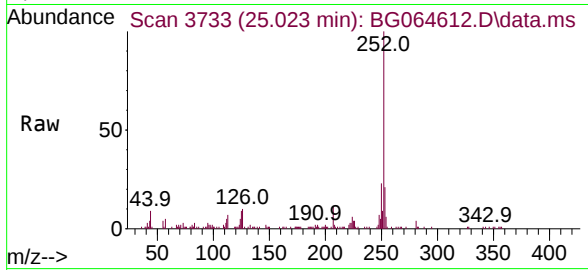
Tgt Ion:252 Resp: 113474
Ion Ratio Lower Upper
252 100
253 19.3 17.8 26.8
125 8.4 5.6 8.4#





#90
Benzo(a)pyrene
Concen: 4.607 ng
RT: 25.023 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

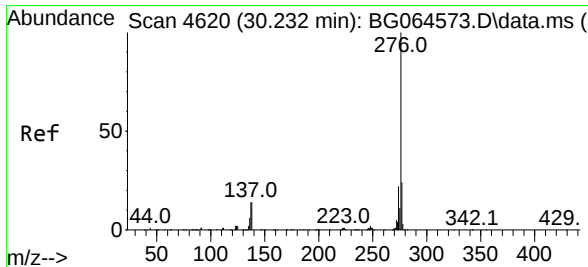
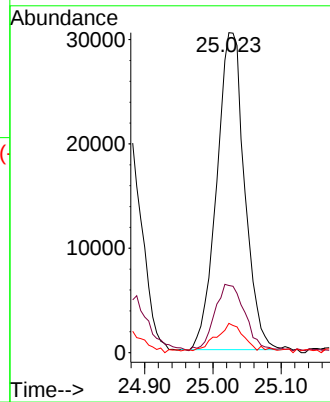
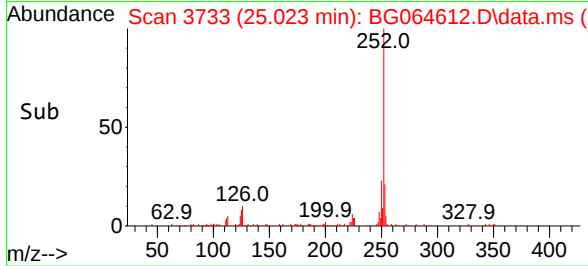
Instrument :
BNA_G
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 85749
Ion Ratio Lower Upper
252 100
253 21.0 17.6 26.4
125 9.1 6.1 9.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 5.476 ng
RT: 30.194 min Scan# 4613
Delta R.T. -0.039 min
Lab File: BG064612.D
Acq: 28 Oct 2025 21:59

Tgt Ion:276 Resp: 103243
Ion Ratio Lower Upper
276 100
277 24.9 19.1 28.7
138 11.9 11.3 16.9

