

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064545.D
 Acq On : 17 Oct 2025 21:15
 Operator : RC/JU
 Sample : Q3369-01 5X
 Misc : 8270/625.1 SPIKE
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-22

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 23:23:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	17797	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	72839	20.000	ng	# 0.00
39) Acenaphthene-d10	14.445	164	46776	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	118697	20.000	ng	0.00
76) Chrysene-d12	21.414	240	125591	20.000	ng	# 0.00
86) Perylene-d12	24.404	264	149341	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	16704	17.370	ng	0.00
7) Phenol-d6	6.995	99	21428	16.581	ng	0.00
23) Nitrobenzene-d5	8.975	82	15504	11.445	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	14004	16.516	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	36966	11.649	ng	0.00
79) Terphenyl-d14	19.804	244	74236	11.186	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.230	178	37090	5.975	ng	97
75) Fluoranthene	19.240	202	87993	11.866	ng	98
78) Pyrene	19.604	202	82072	10.070	ng	98
81) Benzo(a)anthracene	21.396	228	48945	6.104	ng	97
83) Chrysene	21.461	228	44744	5.884	ng	96
87) Indeno(1,2,3-cd)pyrene	27.759	276	28842	2.775	ng	# 77
88) Benzo(b)fluoranthene	23.464	252	62856	7.398	ng	# 95
89) Benzo(k)fluoranthene	23.499	252	30078m	3.515	ng	
90) Benzo(a)pyrene	24.263	252	44136	5.637	ng	99
92) Benzo(g,h,i)perylene	28.811	276	27772	3.438	ng	# 93

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

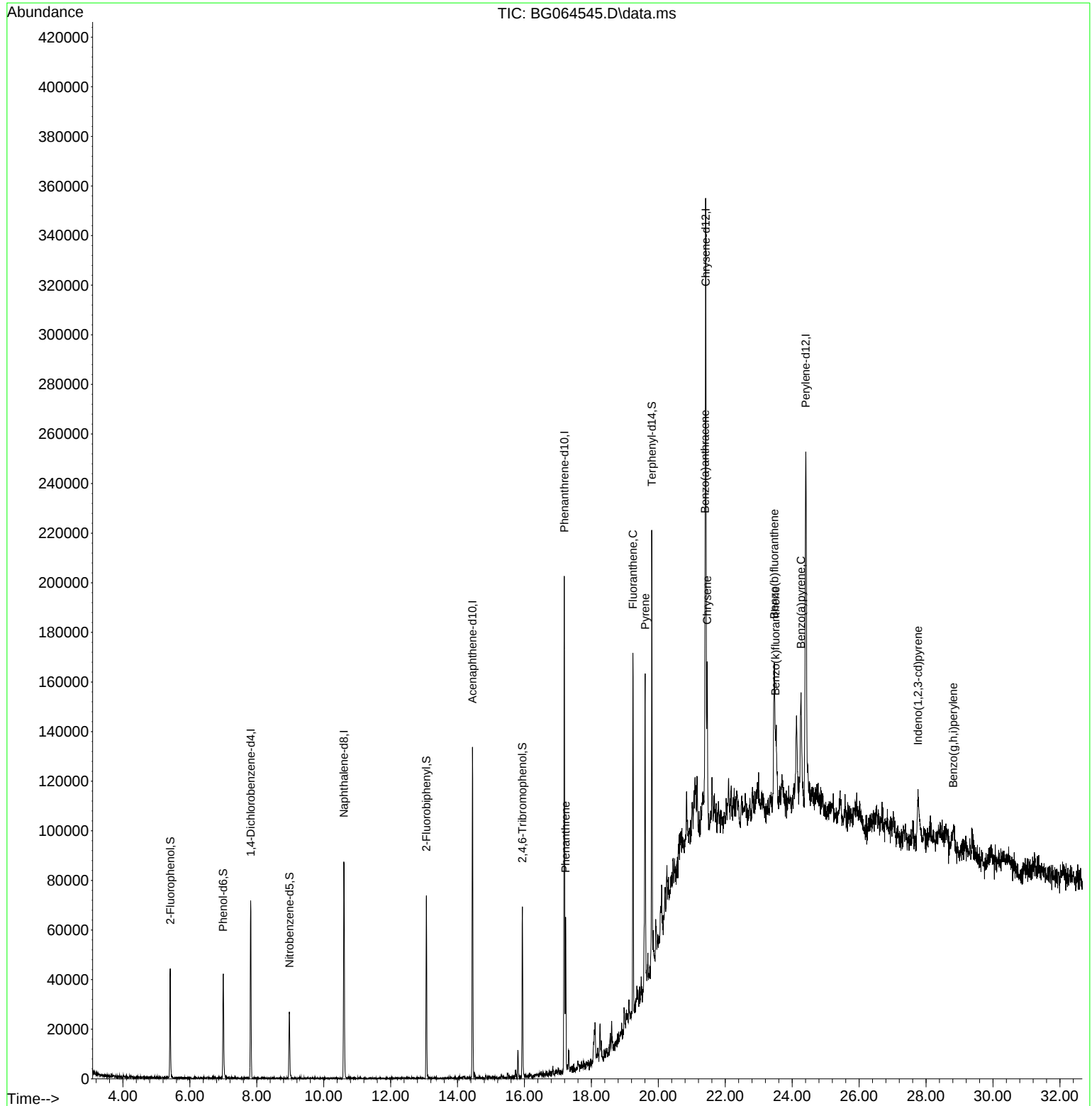
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064545.D
Acq On : 17 Oct 2025 21:15
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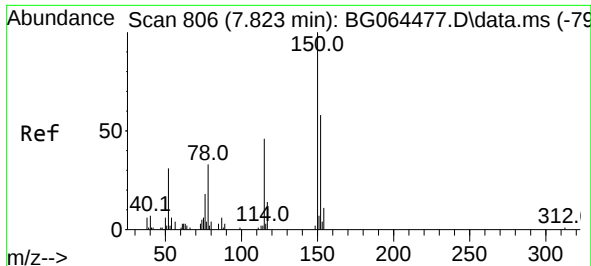
Instrument :
BNA_G
ClientSampleId :
MH-22

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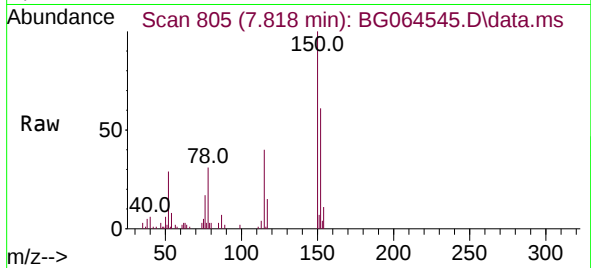
Quant Time: Oct 17 23:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

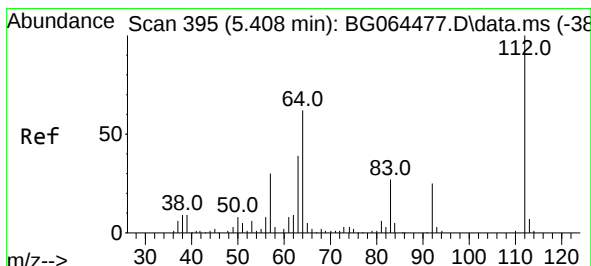
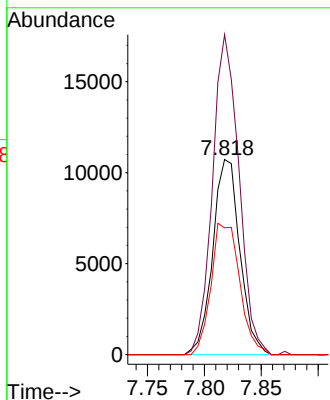
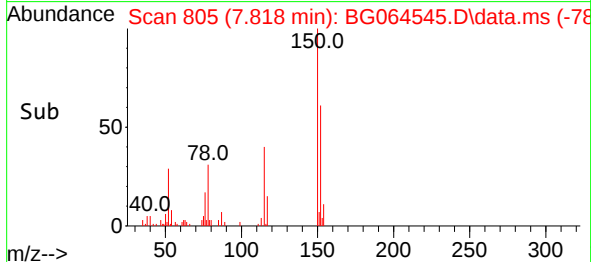
Instrument :
BNA_G
ClientSampleId :
MH-22



Tgt Ion:152 Resp: 17792
Ion Ratio Lower Upper
152 100
150 164.1 138.6 207.8
115 65.0 63.4 95.2

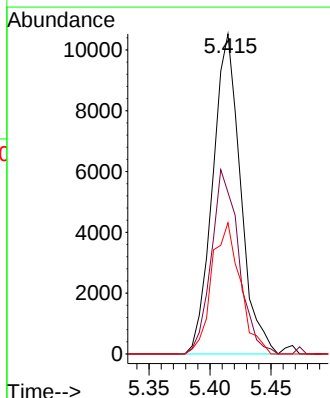
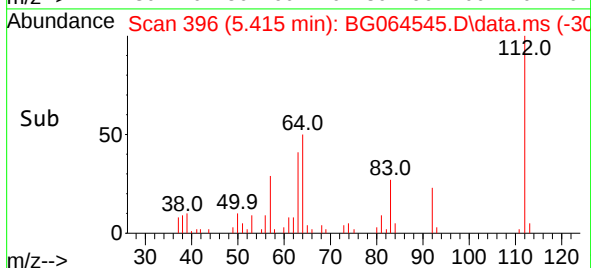
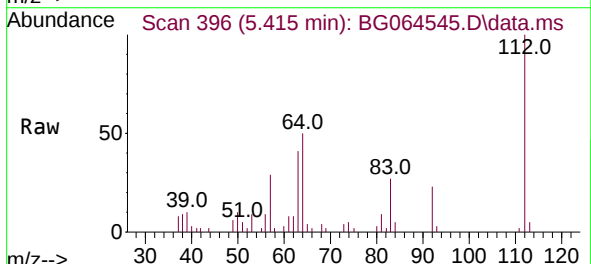
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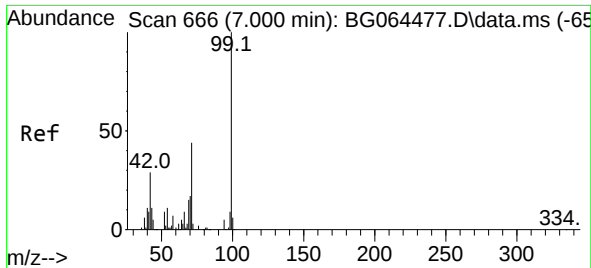
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#5
2-Fluorophenol
Concen: 17.370 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:112 Resp: 16704
Ion Ratio Lower Upper
112 100
64 50.5 49.8 74.8
63 41.0 31.3 46.9





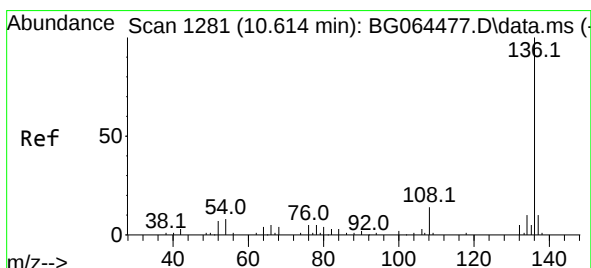
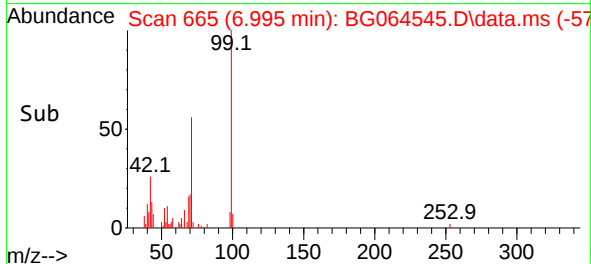
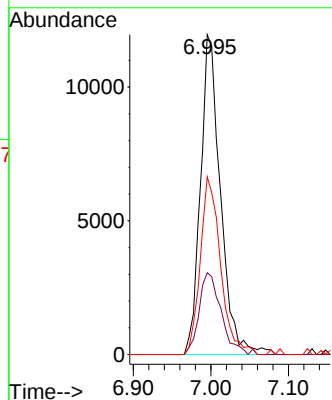
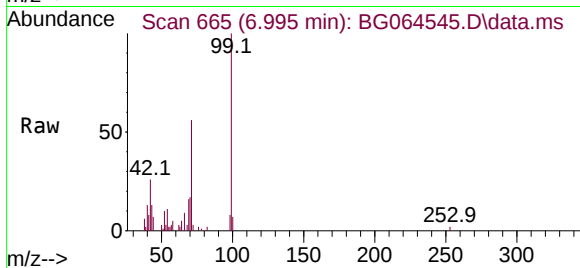
#7
Phenol-d6
Concen: 16.581 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Instrument :
BNA_G
ClientSampleId :
MH-22

Tgt Ion: 99 Resp: 21428
Ion Ratio Lower Upper
99 100
42 25.6 22.9 34.3
71 55.6 35.4 53.2

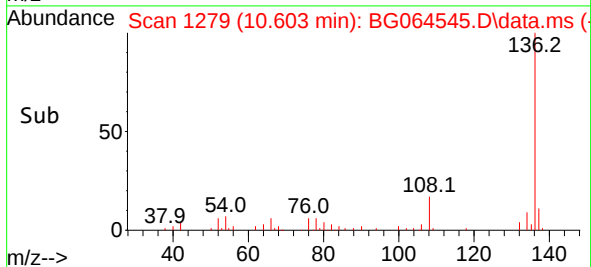
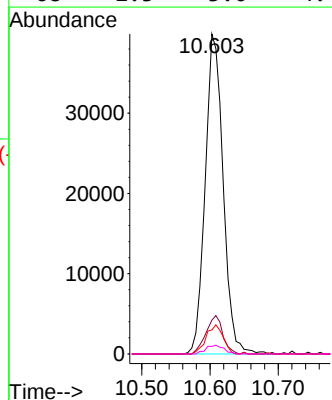
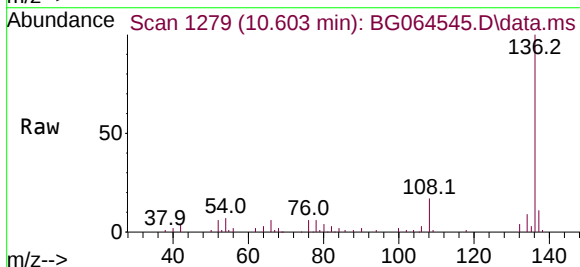
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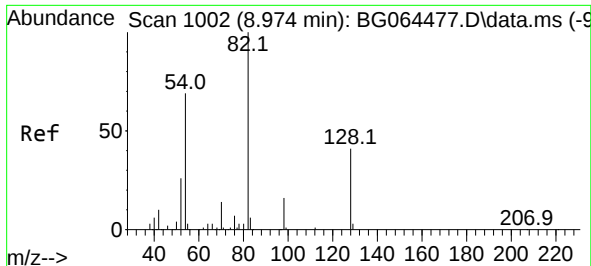
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

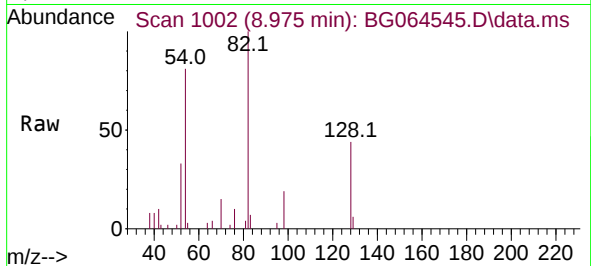
Tgt Ion:136 Resp: 72839
Ion Ratio Lower Upper
136 100
137 10.5 8.3 12.5
54 7.5 6.2 9.4
68 2.3 3.0 4.4





#23
Nitrobenzene-d5
Concen: 11.445 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

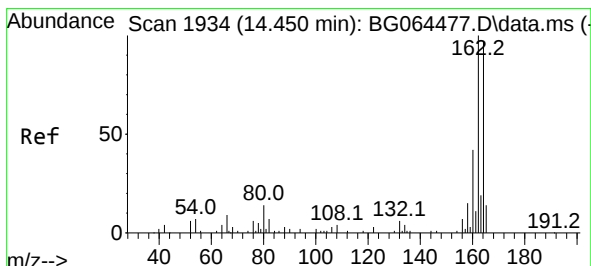
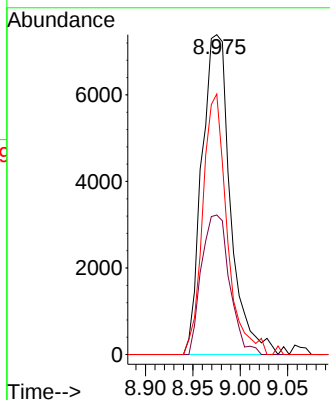
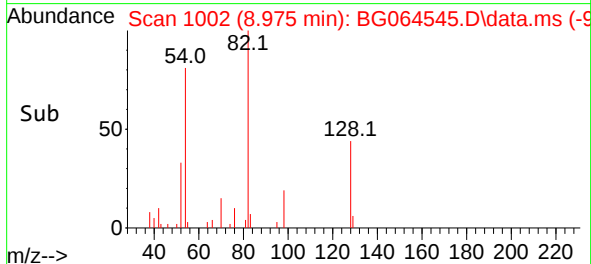
Instrument :
BNA_G
ClientSampleId :
MH-22



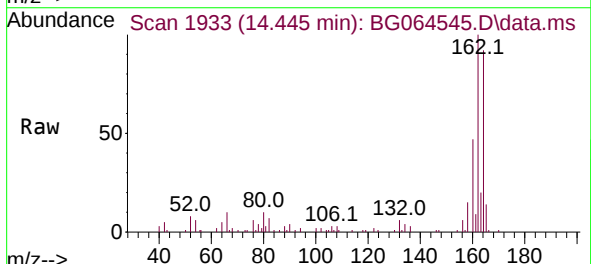
Tgt Ion: 82 Resp: 15504
Ion Ratio Lower Upper
82 100
128 43.6 33.1 49.7
54 81.4 55.4 83.2

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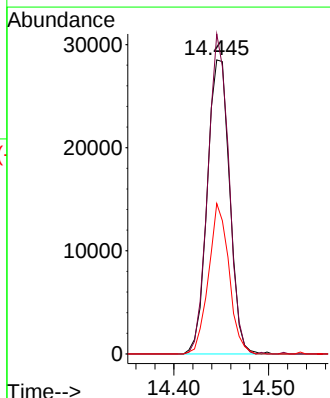
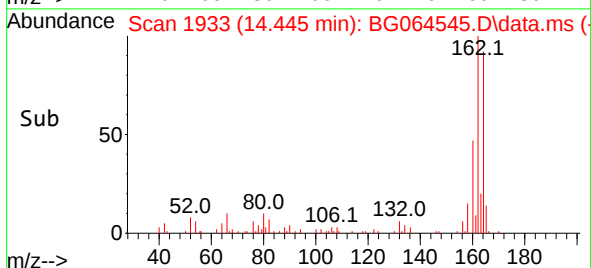
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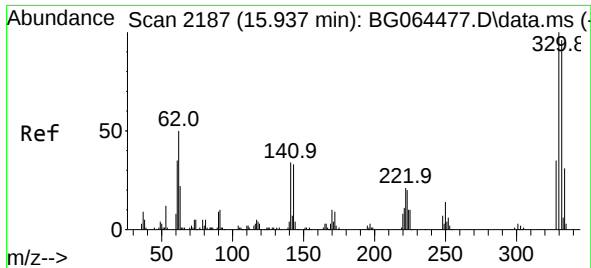


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15



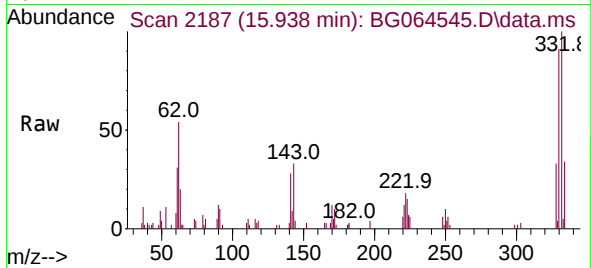
Tgt Ion:164 Resp: 46776
Ion Ratio Lower Upper
164 100
162 108.8 82.2 123.2
160 51.1 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 16.516 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

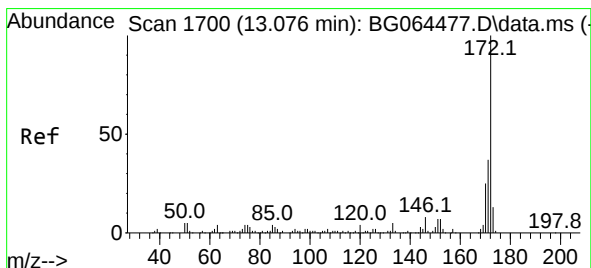
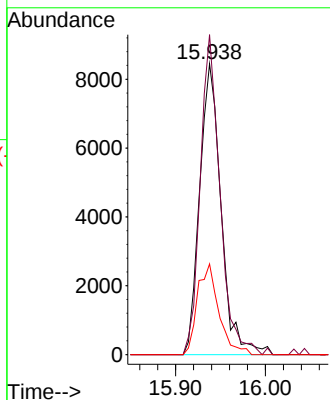
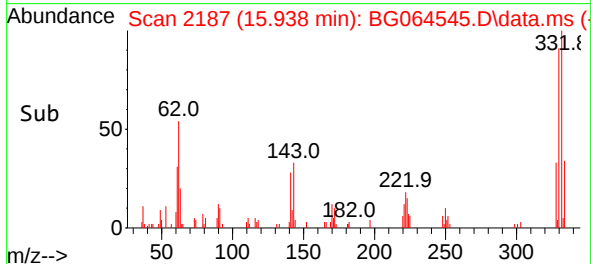
Instrument :
BNA_G
ClientSampleId :
MH-22



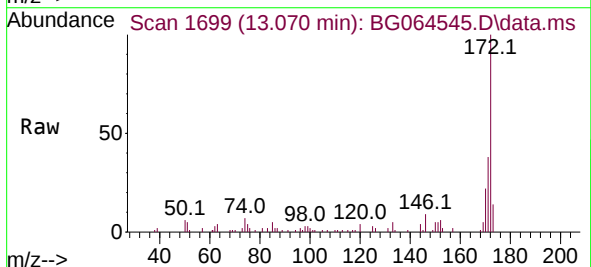
Tgt Ion: 330 Resp: 14004
Ion Ratio Lower Upper
330 100
332 101.2 77.4 116.0
141 31.1 25.8 38.6

Manual Integrations
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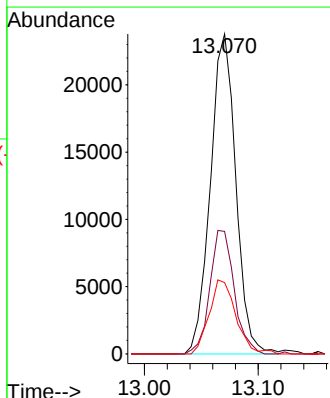
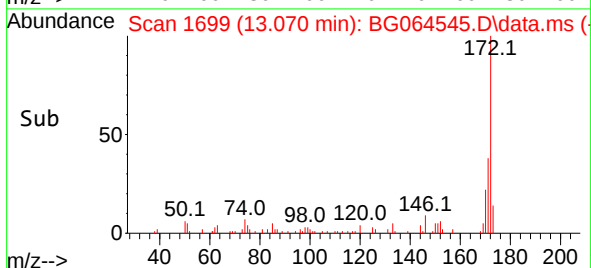
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

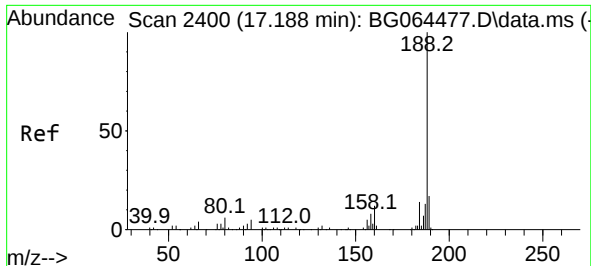


#45
2-Fluorobiphenyl
Concen: 11.649 ng
RT: 13.070 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15



Tgt Ion: 172 Resp: 36966
Ion Ratio Lower Upper
172 100
171 38.3 29.6 44.4
170 22.3 20.2 30.2





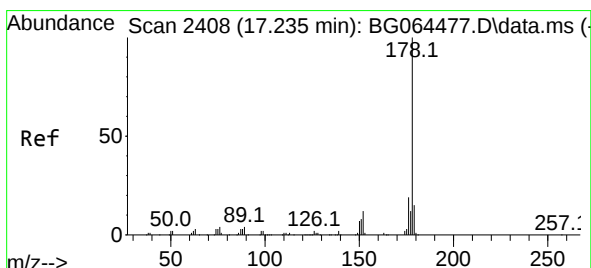
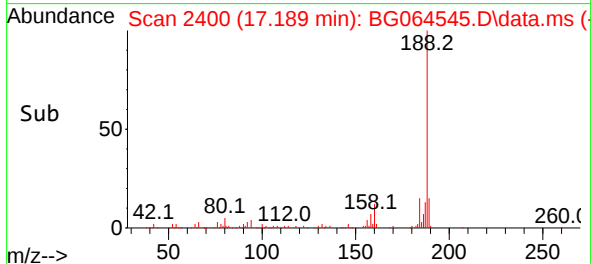
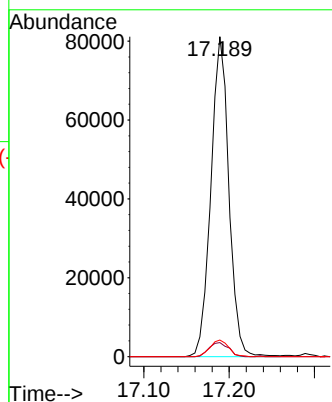
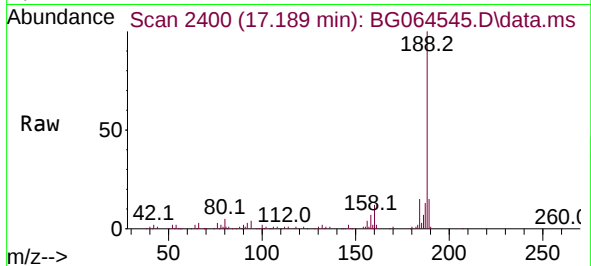
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Instrument :
BNA_G
ClientSampleId :
MH-22

Tgt Ion:188 Resp: 118697
Ion Ratio Lower Upper
188 100
94 4.4 3.7 5.5
80 6.1 4.5 6.7

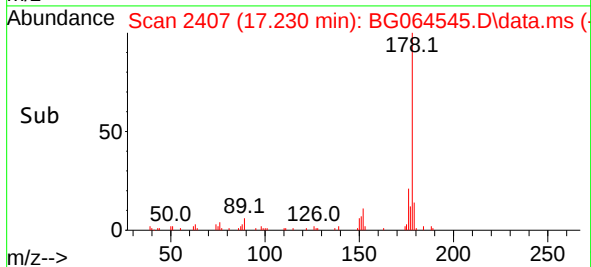
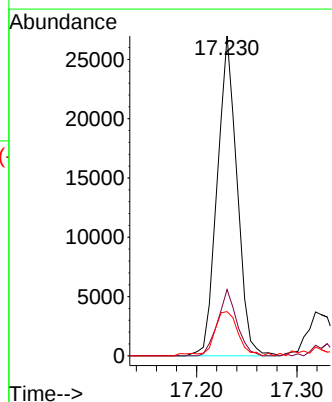
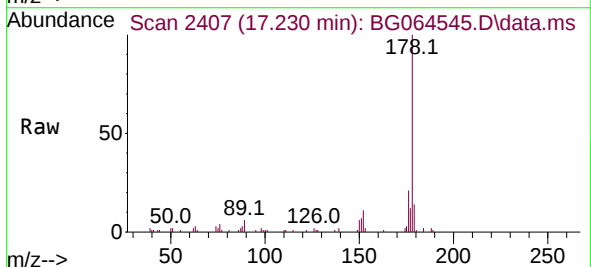
Manual Integrations
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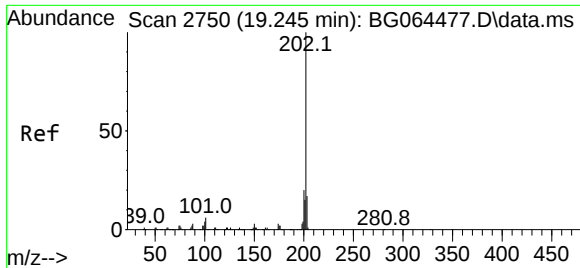
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#71
Phenanthrene
Concen: 5.975 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

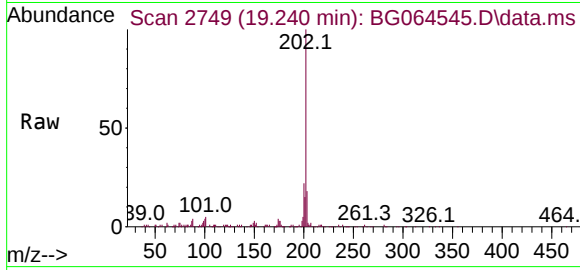
Tgt Ion:178 Resp: 37090
Ion Ratio Lower Upper
178 100
176 20.7 15.2 22.8
179 13.8 11.8 17.6





#75
Fluoranthene
Concen: 11.866 ng
RT: 19.240 min Scan# 2750
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

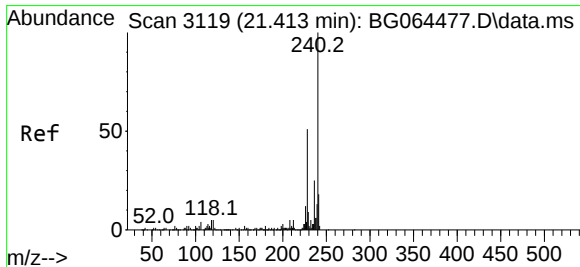
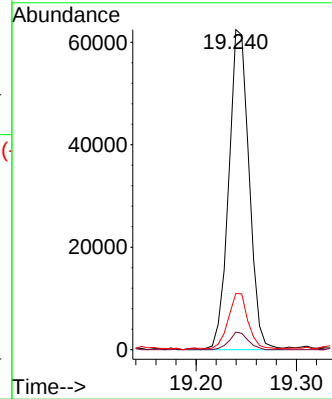
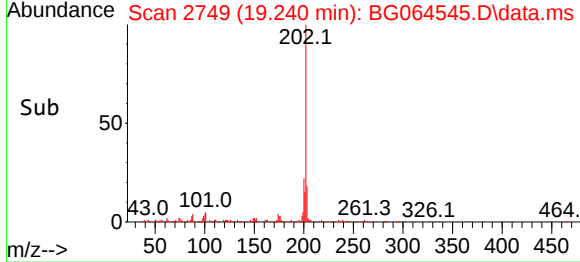
Instrument :
BNA_G
ClientSampleId :
MH-22



Tgt Ion:202 Resp: 87993
Ion Ratio Lower Upper
202 100
101 5.5 0.0 25.7
203 17.5 0.0 36.6

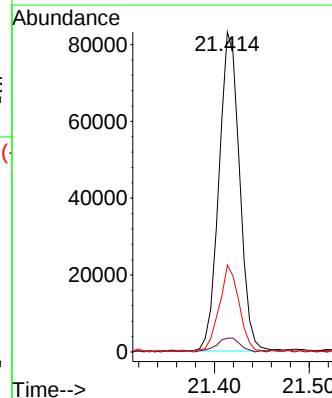
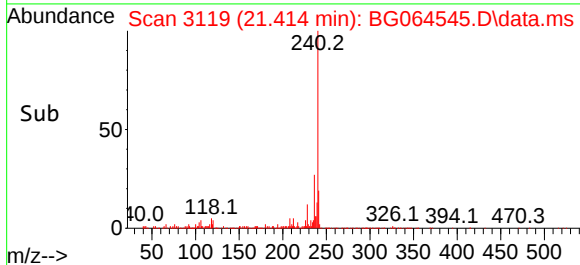
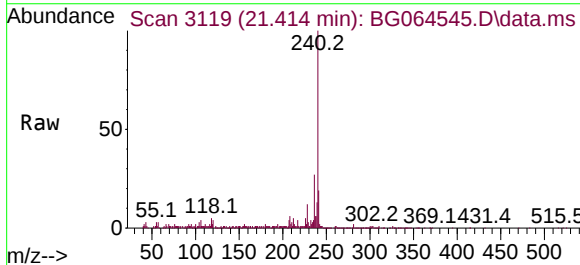
Manual Integrations
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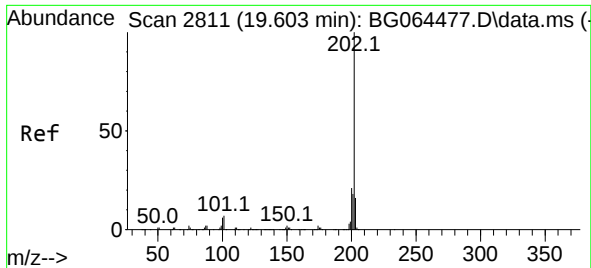
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:240 Resp: 125591
Ion Ratio Lower Upper
240 100
120 4.3 4.3 6.5#
236 27.1 20.4 30.6





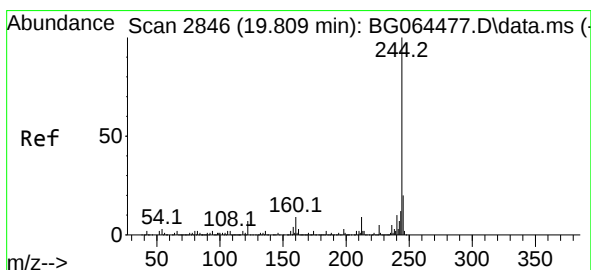
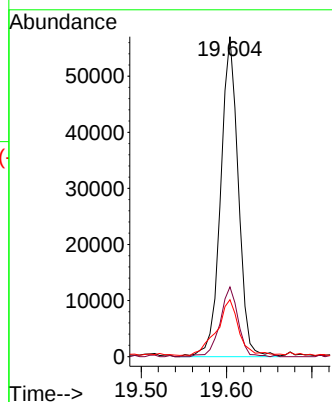
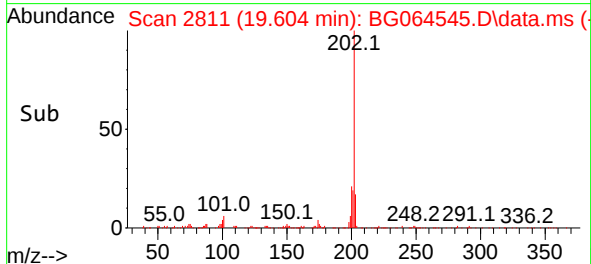
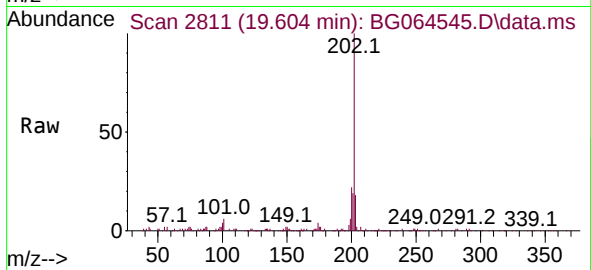
#78
 Pyrene
 Concen: 10.070 ng
 RT: 19.604 min Scan# 2811
 Delta R.T. 0.003 min
 Lab File: BG064545.D
 Acq: 17 Oct 2025 21:15

Instrument :
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 ClientSampleId :
 MH-22

Tgt Ion:202 Resp: 82072
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.0 25.4
 203 17.8 13.0 19.4

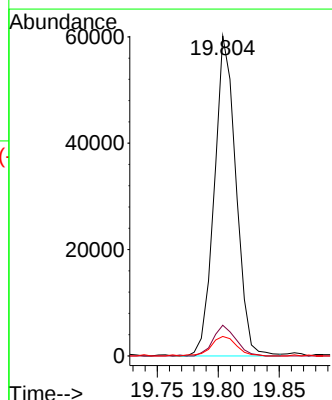
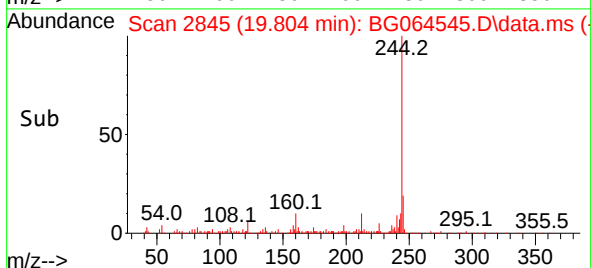
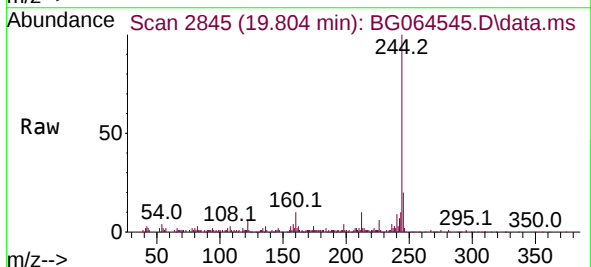
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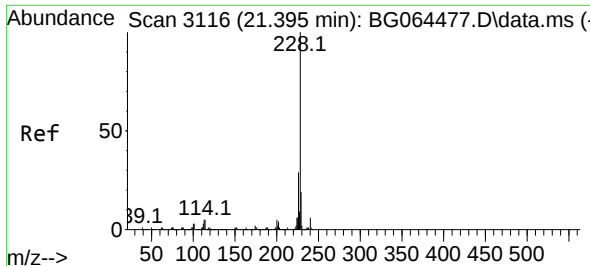
Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025



#79
 Terphenyl-d14
 Concen: 11.186 ng
 RT: 19.804 min Scan# 2845
 Delta R.T. -0.003 min
 Lab File: BG064545.D
 Acq: 17 Oct 2025 21:15

Tgt Ion:244 Resp: 74236
 Ion Ratio Lower Upper
 244 100
 212 9.6 7.0 10.6
 122 6.1 5.6 8.4





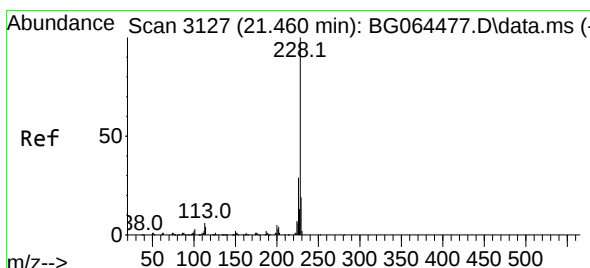
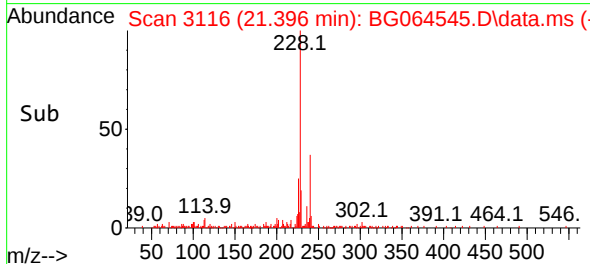
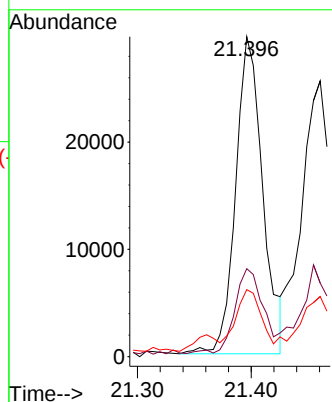
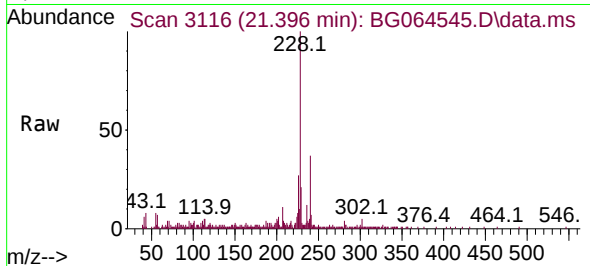
#81
Benzo(a)anthracene
Concen: 6.104 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Instrument :
BNA_G
ClientSampleId :
MH-22

Tgt Ion:228 Resp: 48945
Ion Ratio Lower Upper
228 100
226 27.5 22.8 34.2
229 20.9 15.2 22.8

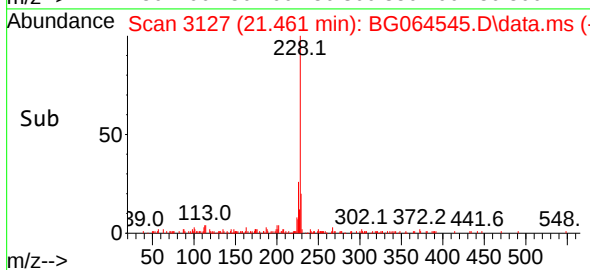
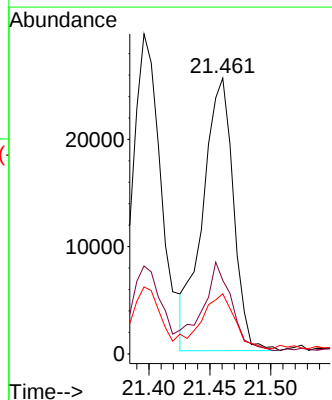
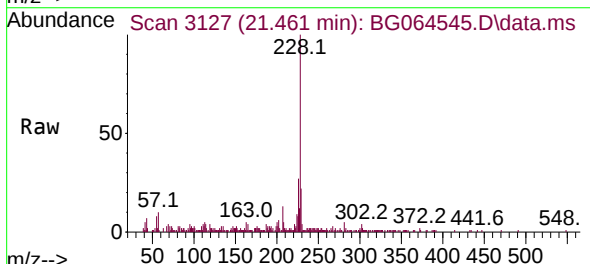
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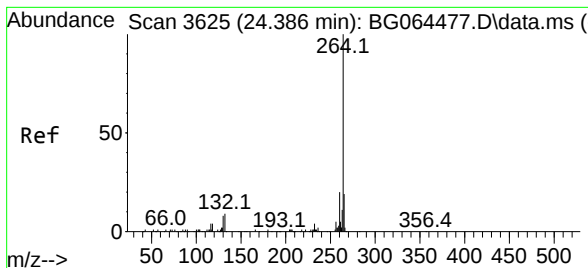
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#83
Chrysene
Concen: 5.884 ng
RT: 21.461 min Scan# 3127
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:228 Resp: 44744
Ion Ratio Lower Upper
228 100
226 26.7 22.8 34.2
229 21.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.404 min Scan# 3628

Delta R.T. 0.015 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Instrument :

BNA_G

ClientSampleId :

MH-22

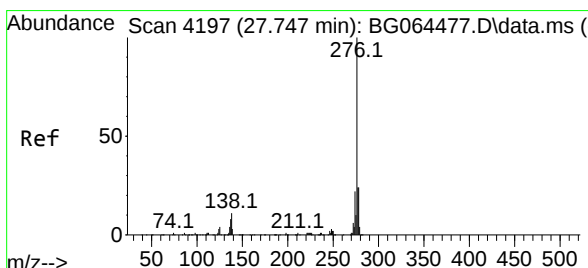
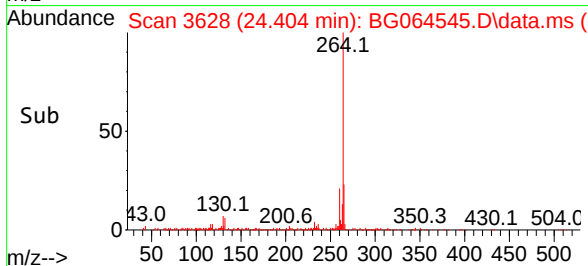
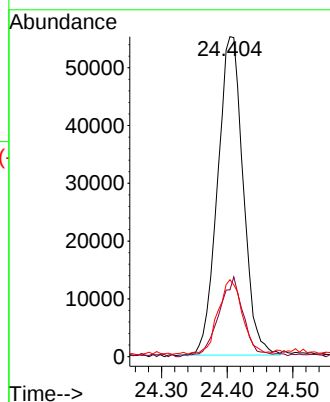
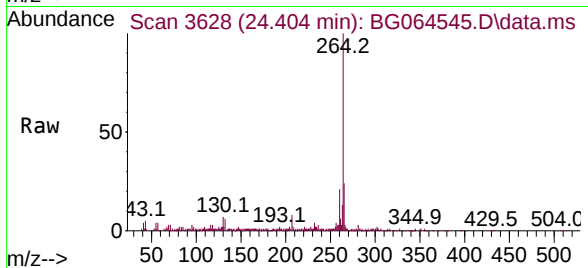
Tgt Ion:	264	Resp:	14934
Ion Ratio	Lower	Upper	
264	100		
260	20.9	16.2	24.4
265	24.0	15.0	22.4

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Reviewed By :Rahul Chavli 10/20/2025

Supervised By :Jagrut Upadhyay 10/20/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.775 ng

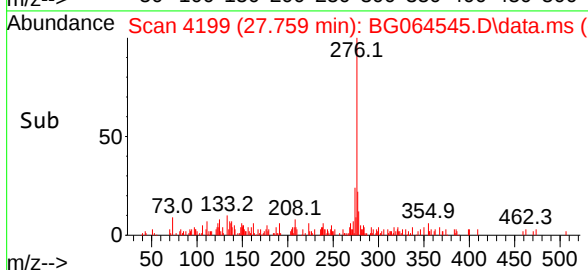
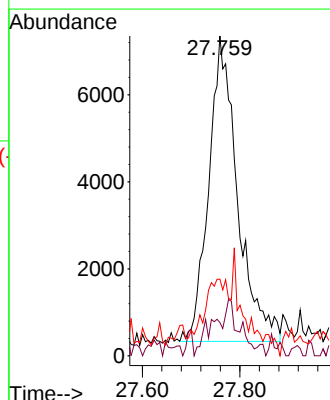
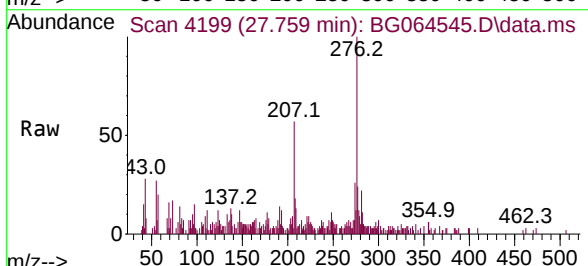
RT: 27.759 min Scan# 4199

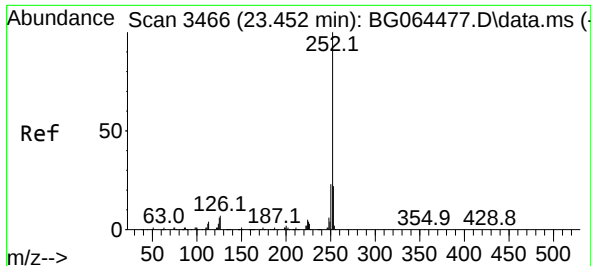
Delta R.T. 0.027 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

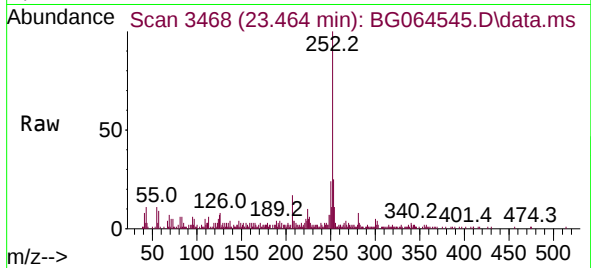
Tgt Ion:	276	Resp:	28842
Ion Ratio	Lower	Upper	
276	100		
138	2.2	10.8	16.2#
277	15.3	20.3	30.5#





#88
Benzo(b)fluoranthene
Concen: 7.398 ng
RT: 23.464 min Scan# 3466
Delta R.T. 0.015 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

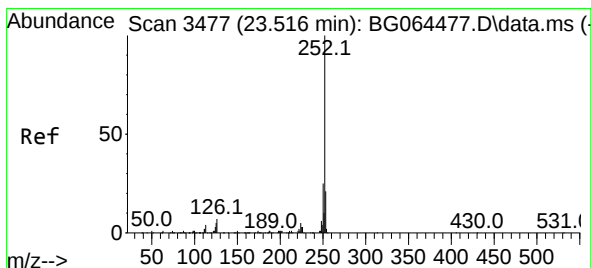
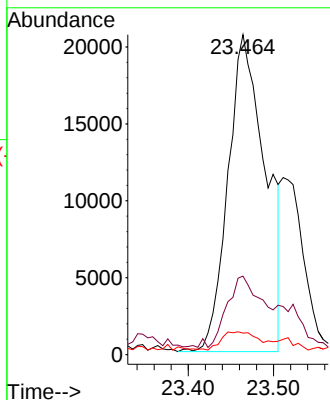
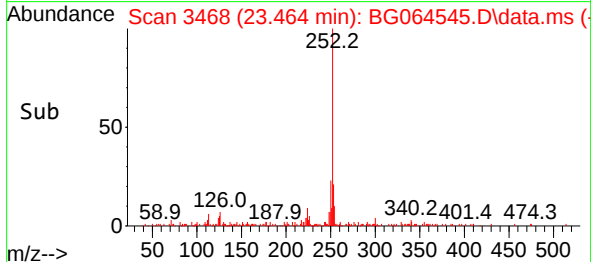
Instrument :
BNA_G
ClientSampleId :
MH-22



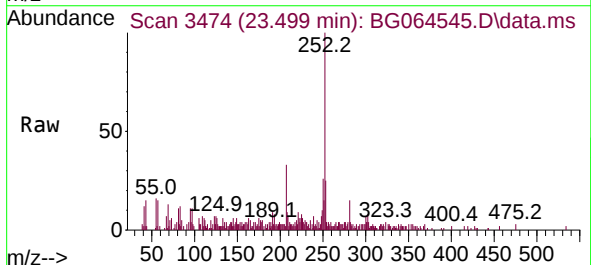
Tgt Ion:252 Resp: 62856
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 6.7 4.5 6.7

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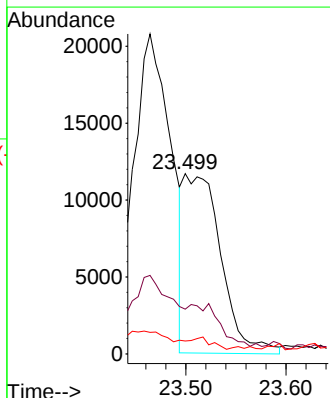
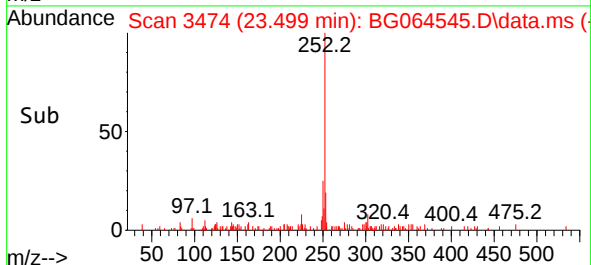
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

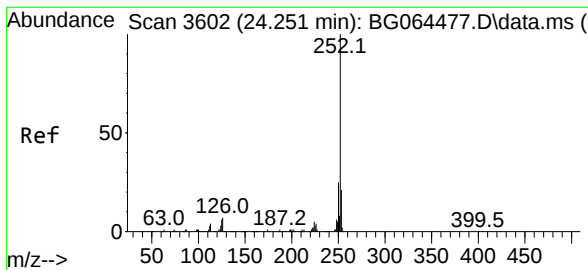


#89
Benzo(k)fluoranthene
Concen: 3.515 ng m
RT: 23.499 min Scan# 3474
Delta R.T. -0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15



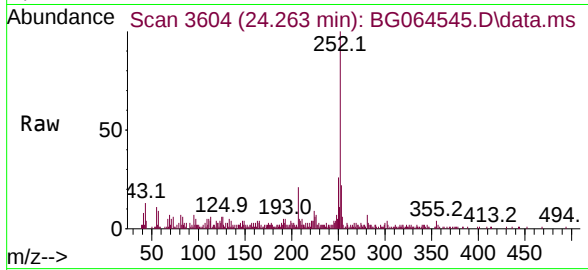
Tgt Ion:252 Resp: 30078
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 7.1 4.0 6.0





#90
Benzo(a)pyrene
Concen: 5.637 ng
RT: 24.263 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

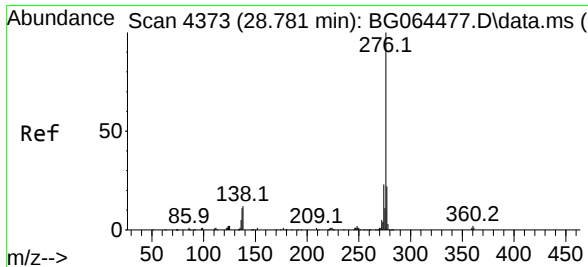
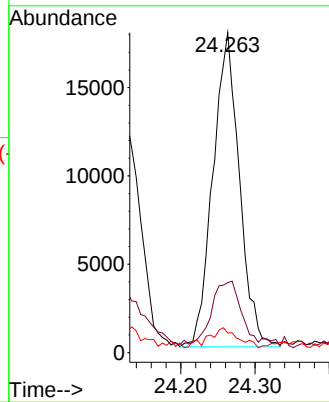
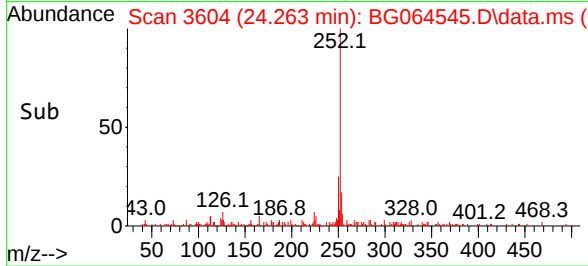
Instrument :
BNA_G
ClientSampleId :
MH-22



Tgt Ion:252 Resp: 44136
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 6.1 4.6 6.8

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Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 3.438 ng
RT: 28.811 min Scan# 4378
Delta R.T. 0.044 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:276 Resp: 27772
Ion Ratio Lower Upper
276 100
277 24.5 17.8 26.6
138 16.0 9.4 14.0#

