

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064724.D
 Acq On : 7 Nov 2025 20:18
 Operator : RC/JU
 Sample : Q3562-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-03-110625

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 08 00:59:56 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.199	152	40729	20.000	ng	-0.02
21) Naphthalene-d8	11.025	136	160008	20.000	ng	#-0.02
39) Acenaphthene-d10	14.821	164	123732	20.000	ng	-0.02
64) Phenanthrene-d10	17.559	188	284754	20.000	ng	#-0.02
76) Chrysene-d12	21.830	240	340777	20.000	ng	#-0.03
86) Perylene-d12	25.156	264	382892	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.731	112	128605	53.000	ng	-0.02
7) Phenol-d6	7.335	99	172738	51.878	ng	-0.02
23) Nitrobenzene-d5	9.363	82	107967	40.528	ng	-0.02
42) 2,4,6-Tribromophenol	16.301	330	117680	65.897	ng	-0.02
45) 2-Fluorobiphenyl	13.452	172	298594	36.578	ng	-0.02
79) Terphenyl-d14	20.144	244	633160	35.063	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.600	178	64807	4.162	ng	99
75) Fluoranthene	19.598	202	249881	12.809	ng	98
78) Pyrene	19.956	202	230435	10.350	ng	100
81) Benzo(a)anthracene	21.813	228	170156	7.531	ng	98
83) Chrysene	21.877	228	166648	7.751	ng	97
87) Indeno(1,2,3-cd)pyrene	28.975	276	129484	4.597	ng	# 95
88) Benzo(b)fluoranthene	24.092	252	235153	10.016	ng	97
89) Benzo(k)fluoranthene	24.163	252	79497m	3.384	ng	
90) Benzo(a)pyrene	24.997	252	168402m	7.803	ng	
92) Benzo(g,h,i)perylene	30.156	276	125222	5.728	ng	96

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

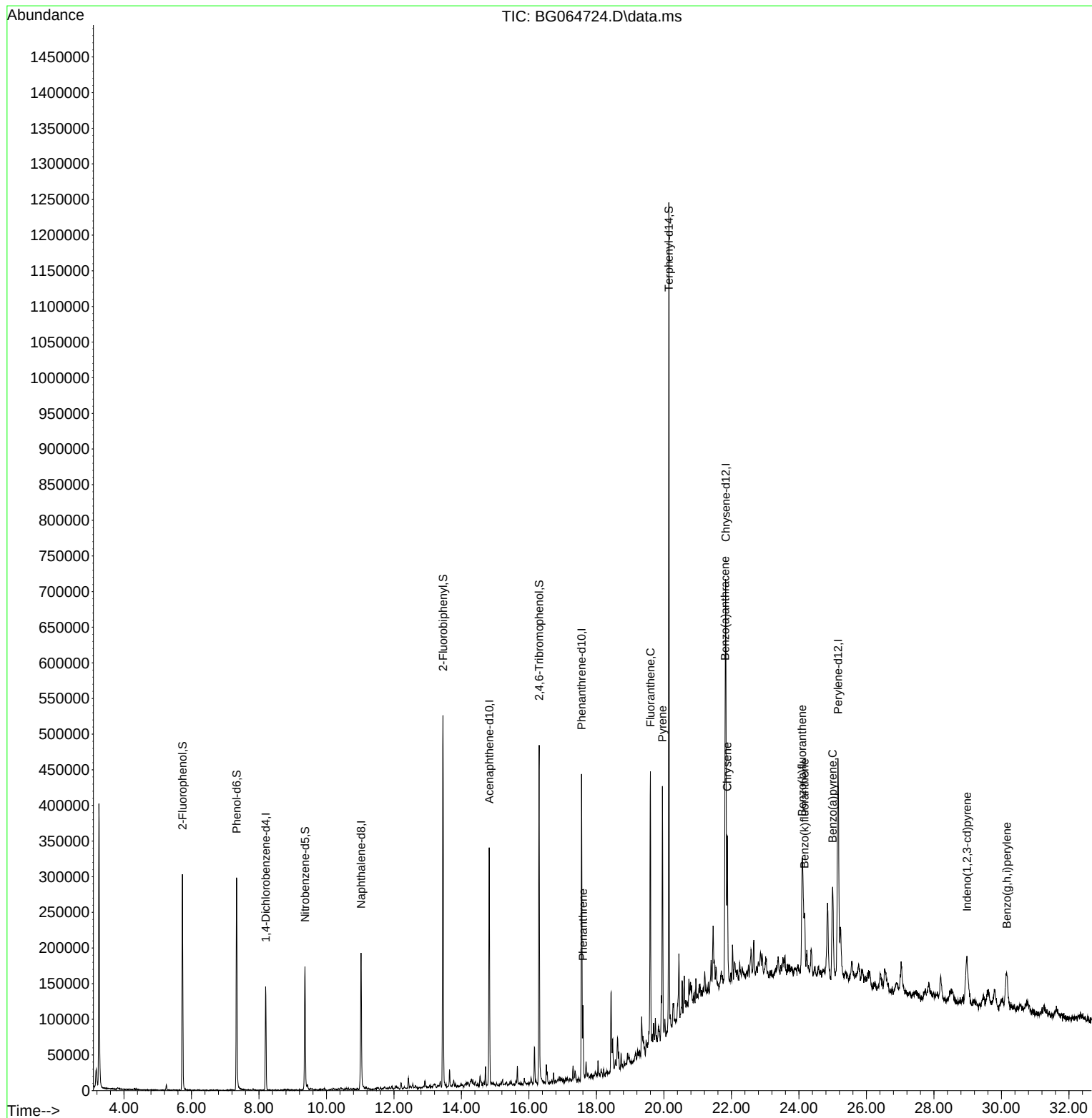
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
Data File : BG064724.D
Acq On : 7 Nov 2025 20:18
Operator : RC/JU
Sample : Q3562-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

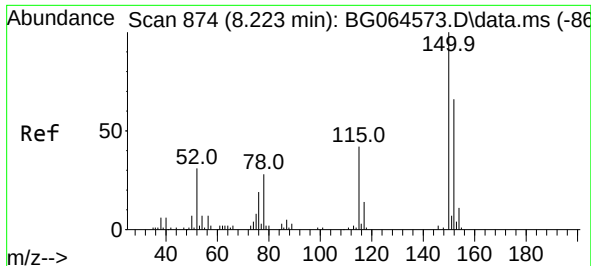
Instrument :
BNA_G
ClientSampleId :
EO-03-110625

Quant Time: Nov 08 00:59:56 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.199 min Scan# 81
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

Instrument :

BNA_G

ClientSampleId :

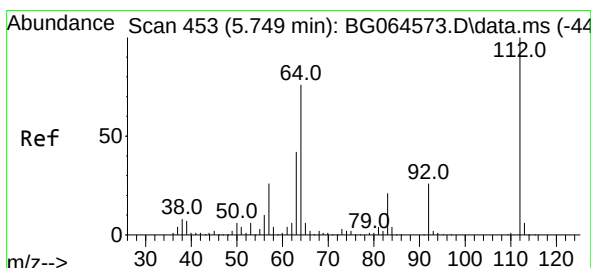
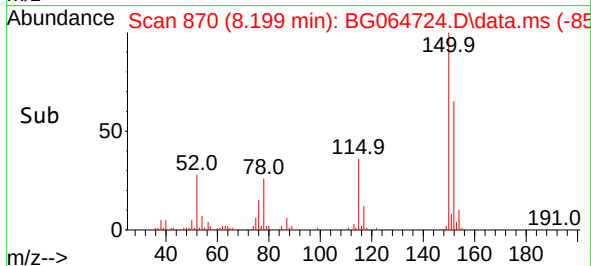
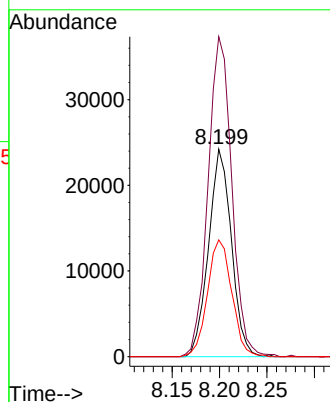
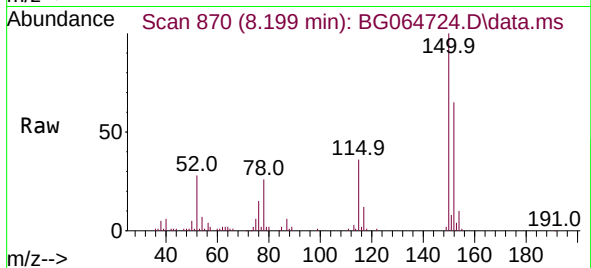
EO-03-110625

Tgt Ion:152 Resp: 40729
Ion Ratio Lower Upper
152 100
150 154.2 122.2 183.4
115 56.3 50.8 76.2

Manual Integrations

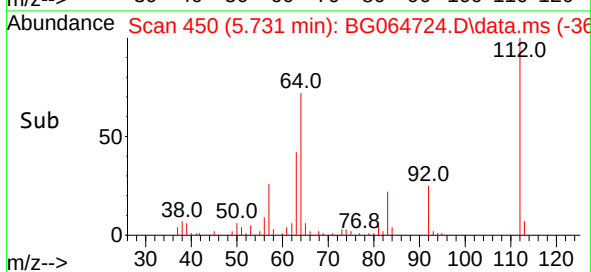
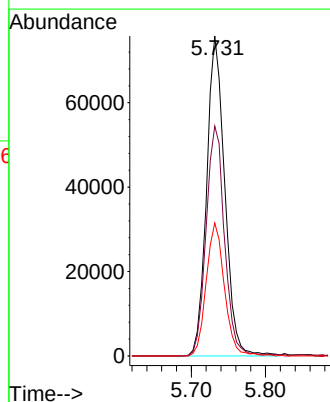
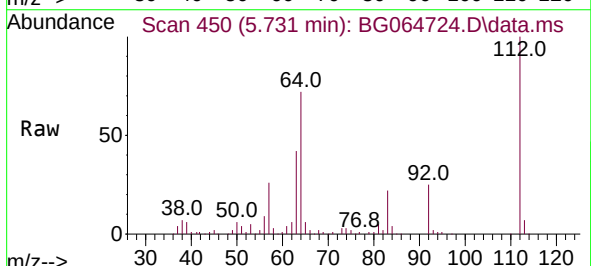
APPROVED

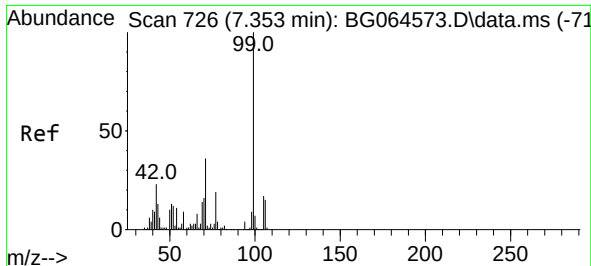
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
2-Fluorophenol
Concen: 53.000 ng
RT: 5.731 min Scan# 450
Delta R.T. -0.018 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

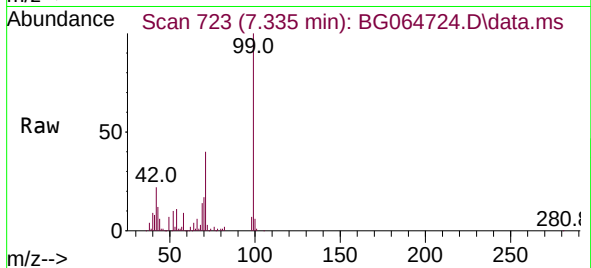
Tgt Ion:112 Resp: 128605
Ion Ratio Lower Upper
112 100
64 71.8 60.7 91.1
63 41.5 33.4 50.0





#7
Phenol-d6
Concen: 51.878 ng
RT: 7.335 min Scan# 71
Delta R.T. -0.018 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

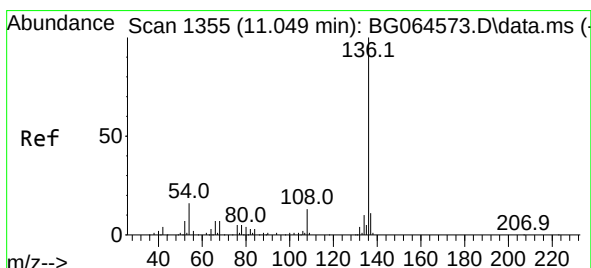
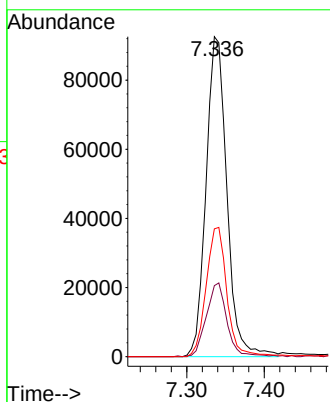
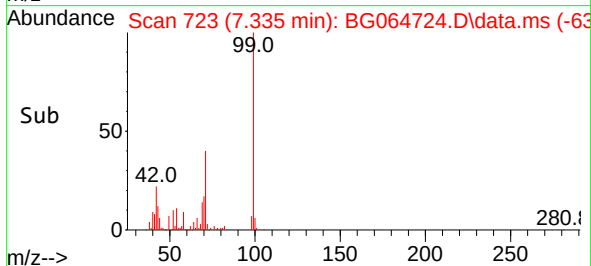
Instrument :
BNA_G
ClientSampleId :
EO-03-110625



Tgt Ion: 99 Resp: 172738
Ion Ratio Lower Upper
99 100
42 22.2 18.3 27.5
71 39.9 28.6 43.0

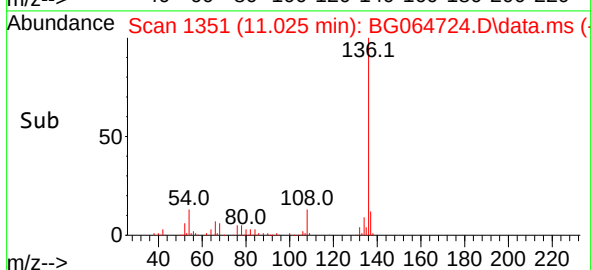
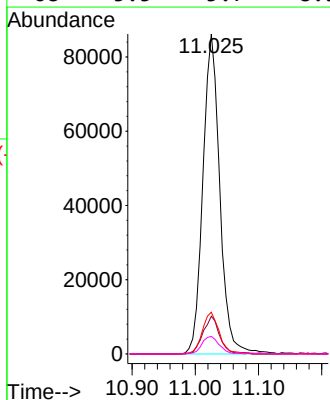
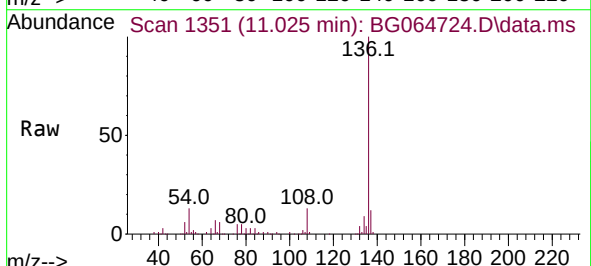
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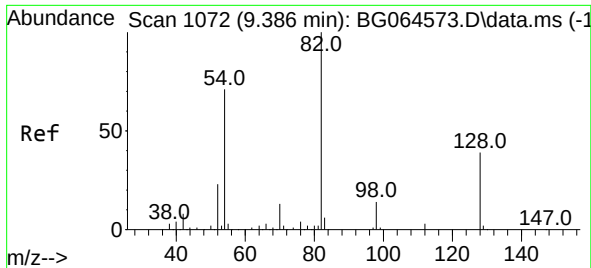
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.025 min Scan# 1351
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

Tgt Ion:136 Resp: 160008
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 13.0 12.6 19.0
68 5.5 5.7 8.5





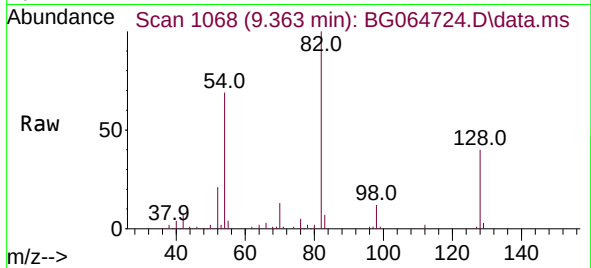
#23
Nitrobenzene-d5
Concen: 40.528 ng
RT: 9.363 min Scan# 1072
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

Instrument :

BNA_G

ClientSampleId :

EO-03-110625



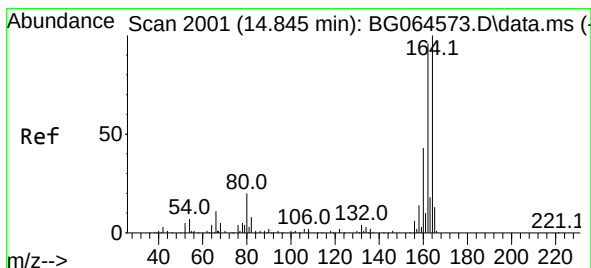
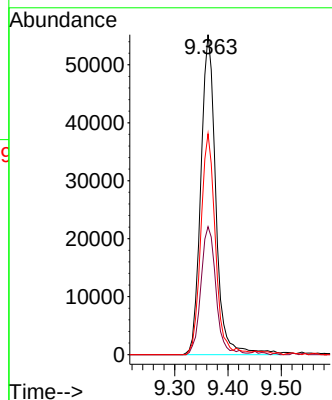
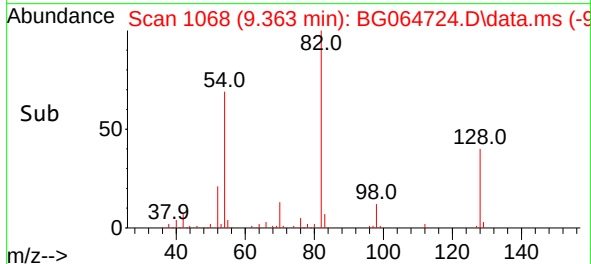
Tgt Ion: 82 Resp: 107962
Ion Ratio Lower Upper
82 100
128 40.0 31.3 46.9
54 69.0 56.6 84.8

Manual Integrations

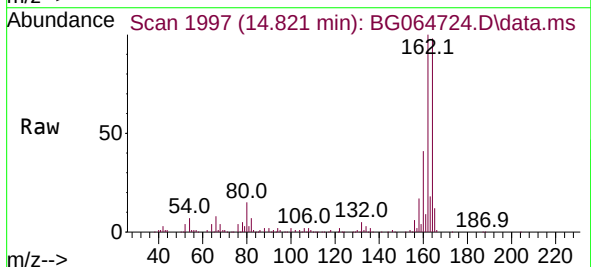
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Reviewed By :Rahul Chavli 11/10/2025

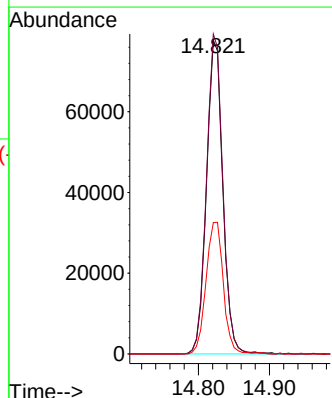
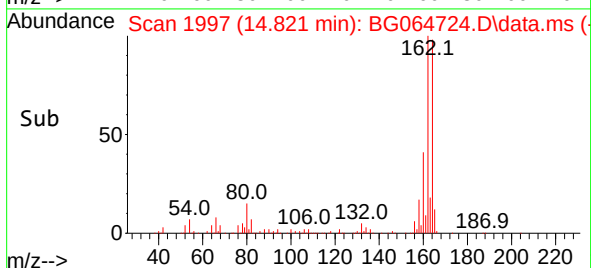
Supervised By :Jagrut Upadhyay 11/10/2025

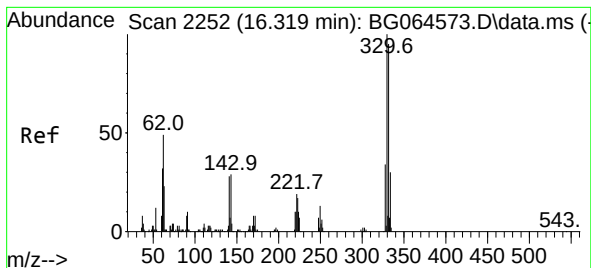


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.821 min Scan# 1997
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18



Tgt Ion:164 Resp: 123732
Ion Ratio Lower Upper
164 100
162 101.9 77.0 115.6
160 41.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 65.897 ng

RT: 16.301 min Scan# 21

Delta R.T. -0.018 min

Lab File: BG064724.D

Acq: 7 Nov 2025 20:18

Instrument :

BNA_G

ClientSampleId :

EO-03-110625

Tgt Ion:330 Resp: 117680

Ion Ratio Lower Upper

330 100

332 97.6 78.0 117.0

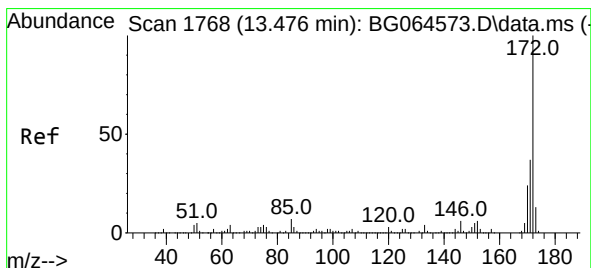
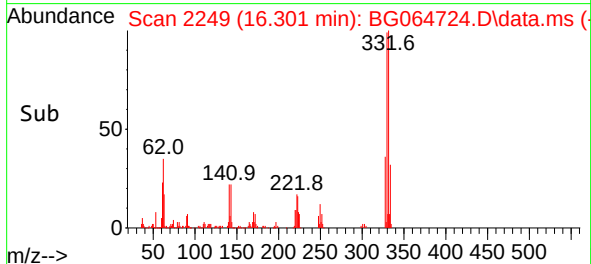
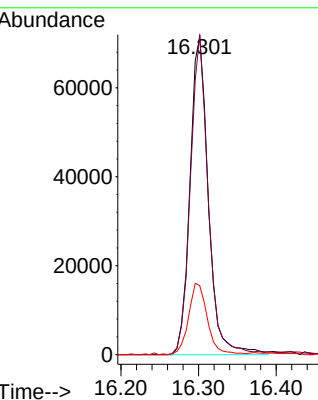
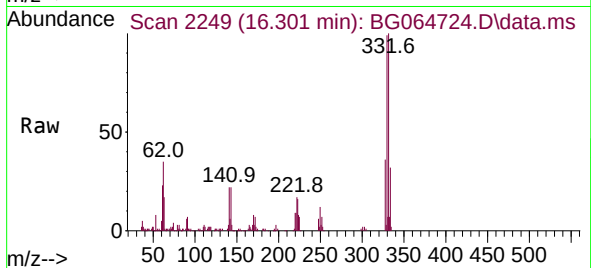
141 22.9 21.8 32.6

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#45

2-Fluorobiphenyl

Concen: 36.578 ng

RT: 13.452 min Scan# 1764

Delta R.T. -0.024 min

Lab File: BG064724.D

Acq: 7 Nov 2025 20:18

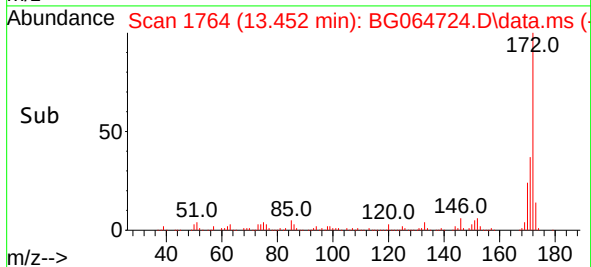
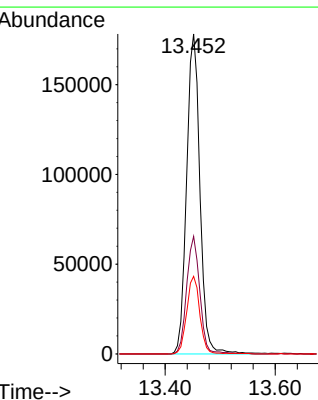
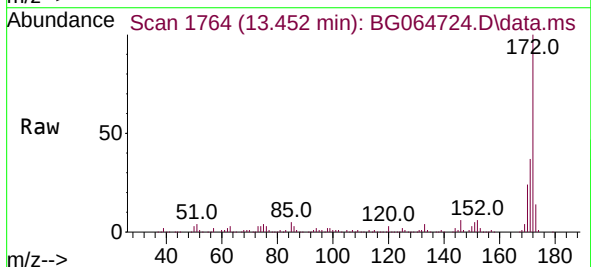
Tgt Ion:172 Resp: 298594

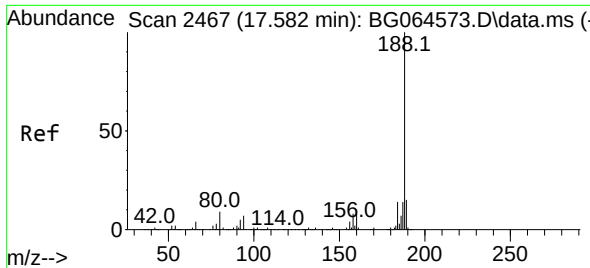
Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

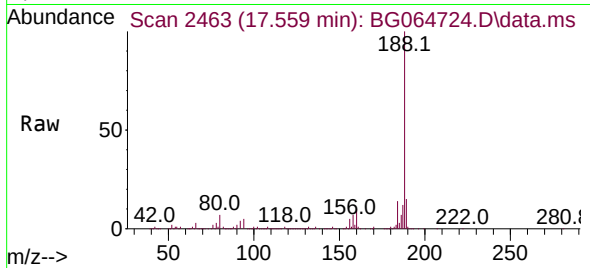
170 24.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.559 min Scan# 2463
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

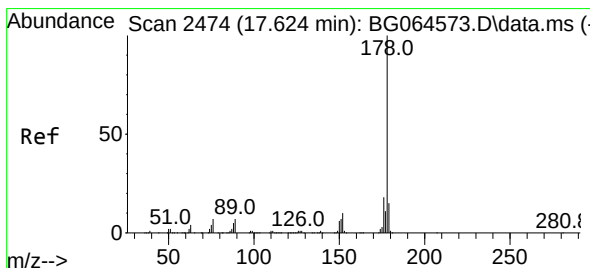
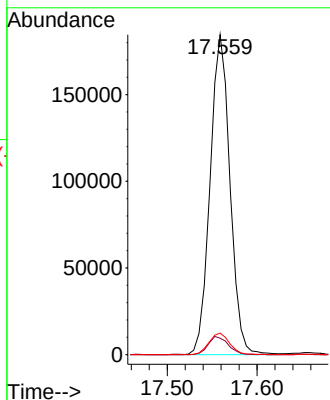
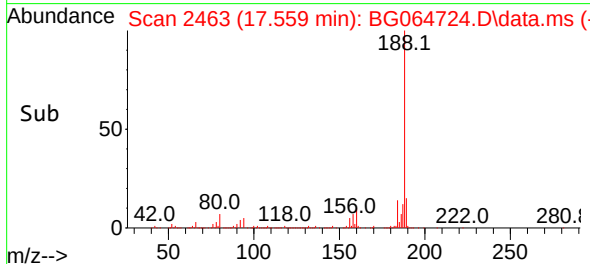
Instrument :
BNA_G
ClientSampleId :
EO-03-110625



Tgt Ion:188 Resp: 284754
Ion Ratio Lower Upper
188 100
94 5.1 5.7 8.5
80 6.7 6.8 10.2

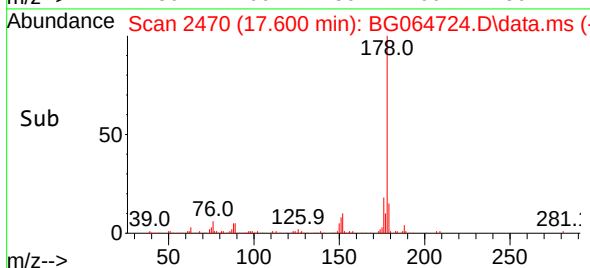
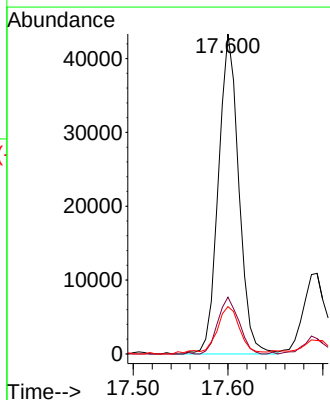
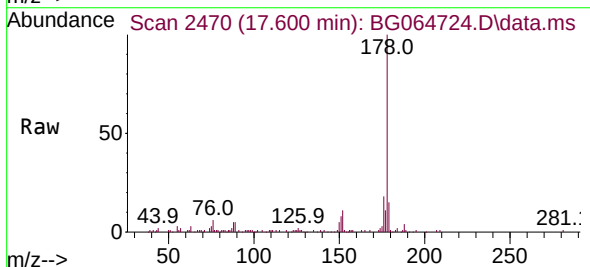
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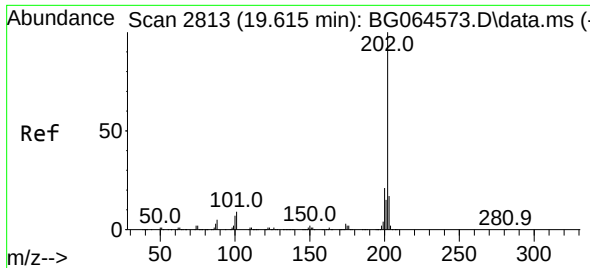
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#71
Phenanthrene
Concen: 4.162 ng
RT: 17.600 min Scan# 2470
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

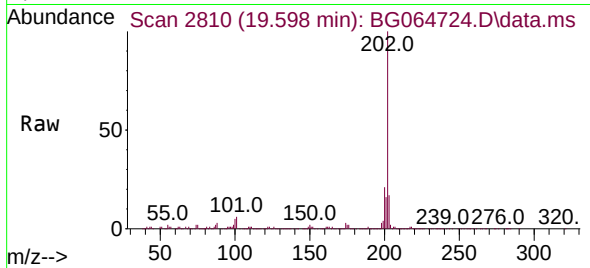
Tgt Ion:178 Resp: 64807
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 12.809 ng
RT: 19.598 min Scan# 2813
Delta R.T. -0.018 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

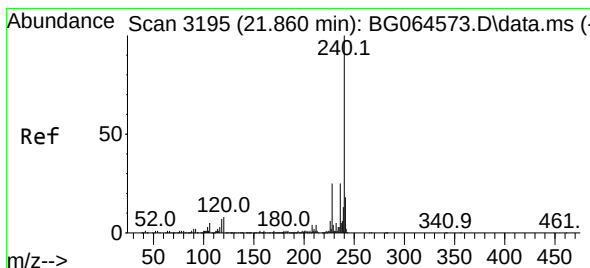
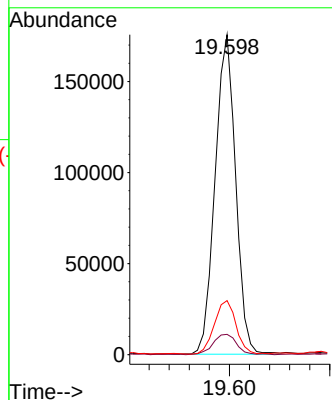
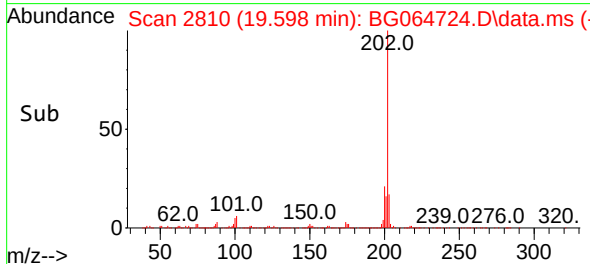
Instrument :
BNA_G
ClientSampleId :
EO-03-110625



Tgt Ion:202 Resp: 249881
Ion Ratio Lower Upper
202 100
101 6.3 0.0 28.7
203 16.9 0.0 37.0

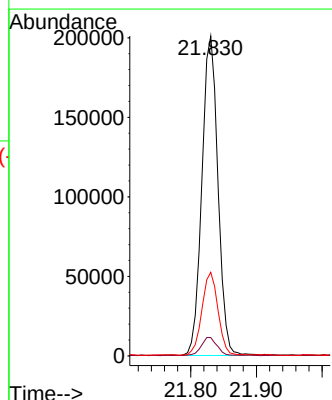
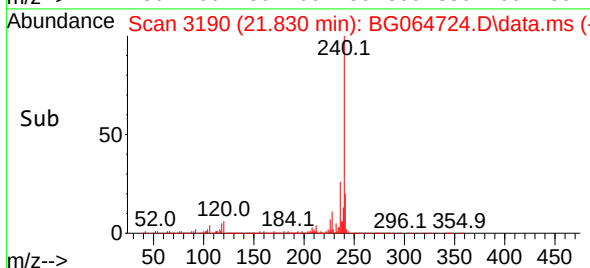
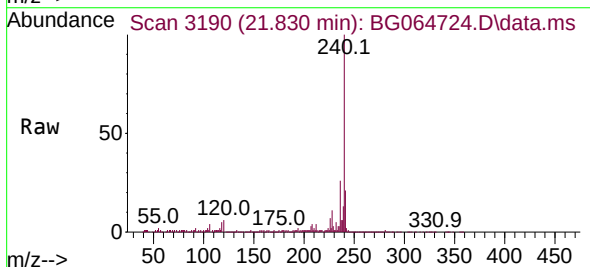
Manual Integrations
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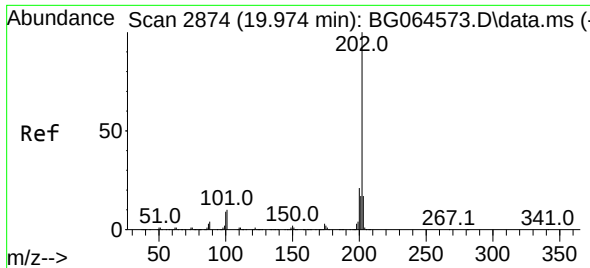
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.830 min Scan# 3190
Delta R.T. -0.030 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

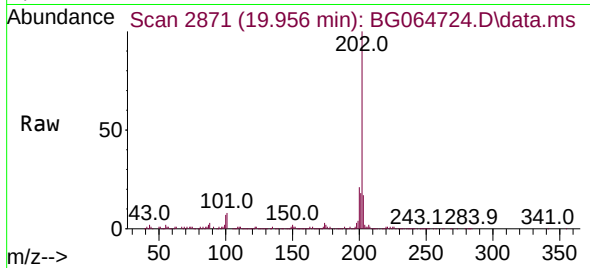
Tgt Ion:240 Resp: 340777
Ion Ratio Lower Upper
240 100
120 5.7 6.5 9.7#
236 26.1 20.2 30.2





#78
 Pyrene
 Concen: 10.350 ng
 RT: 19.956 min Scan# 2874
 Delta R.T. -0.018 min
 Lab File: BG064724.D
 Acq: 7 Nov 2025 20:18

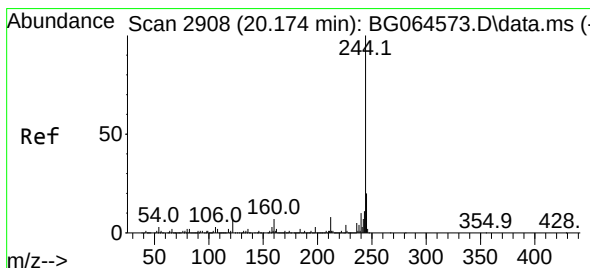
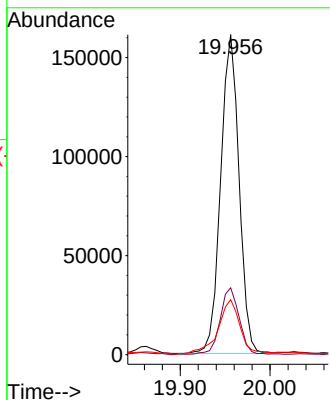
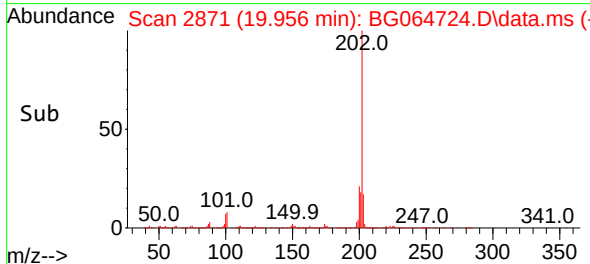
Instrument :
 BNA_G
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 EO-03-110625



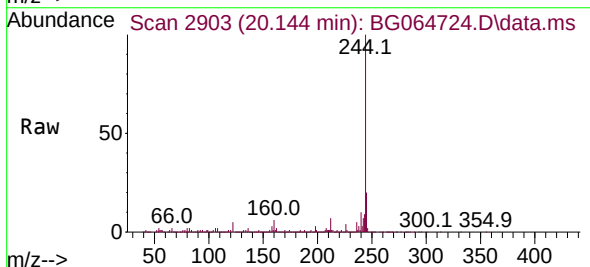
Tgt Ion:202 Resp: 230435
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 17.2 13.8 20.6

Manual Integrations
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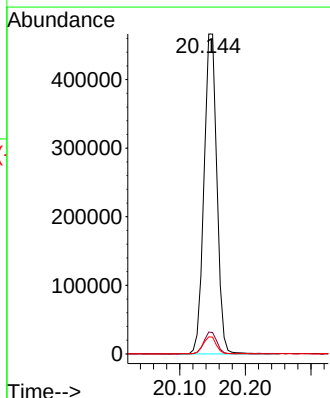
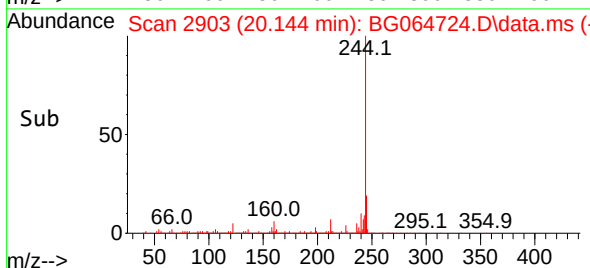
Reviewed By :Rahul Chavli 11/10/2025
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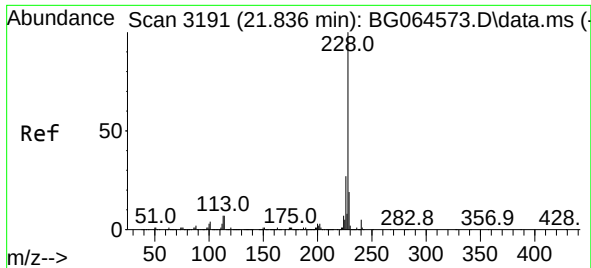


#79
 Terphenyl-d14
 Concen: 35.063 ng
 RT: 20.144 min Scan# 2903
 Delta R.T. -0.030 min
 Lab File: BG064724.D
 Acq: 7 Nov 2025 20:18



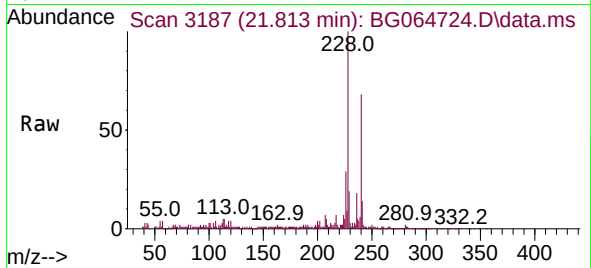
Tgt Ion:244 Resp: 633160
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 5.3 5.6 8.4#





#81
Benzo(a)anthracene
Concen: 7.531 ng
RT: 21.813 min Scan# 3191
Delta R.T. -0.024 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

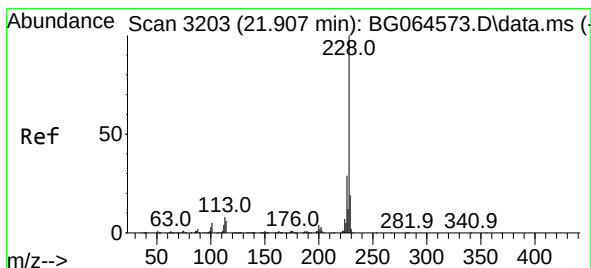
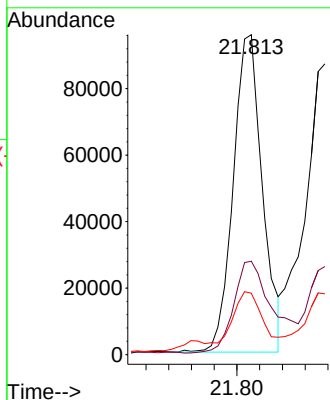
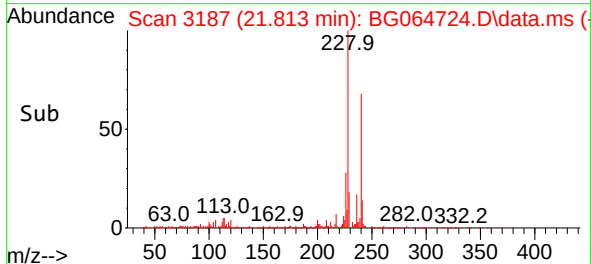
Instrument :
BNA_G
ClientSampleId :
EO-03-110625



Tgt Ion:228 Resp: 170156
Ion Ratio Lower Upper
228 100
226 29.2 21.9 32.9
229 19.2 15.6 23.4

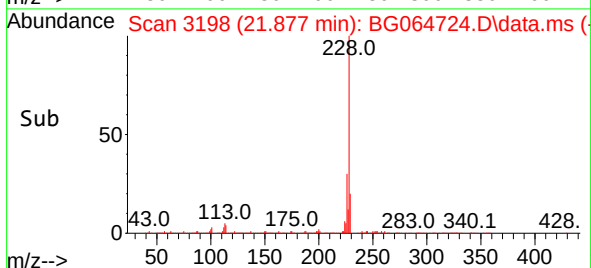
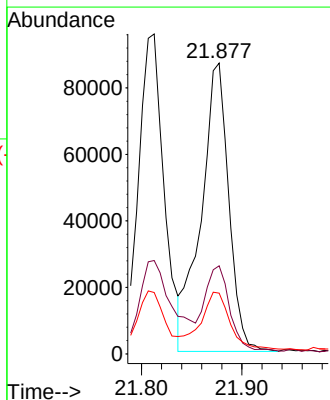
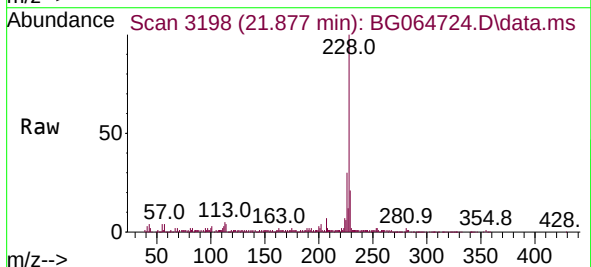
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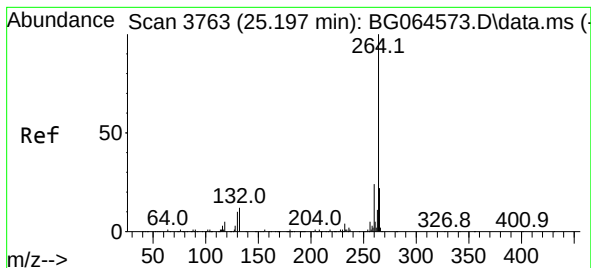
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#83
Chrysene
Concen: 7.751 ng
RT: 21.877 min Scan# 3198
Delta R.T. -0.030 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

Tgt Ion:228 Resp: 166648
Ion Ratio Lower Upper
228 100
226 30.3 23.3 34.9
229 20.9 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.156 min Scan# 31

Delta R.T. -0.041 min

Lab File: BG064724.D

Acq: 7 Nov 2025 20:18

Instrument :

BNA_G

ClientSampleId :

EO-03-110625

Tgt Ion:264 Resp: 382892

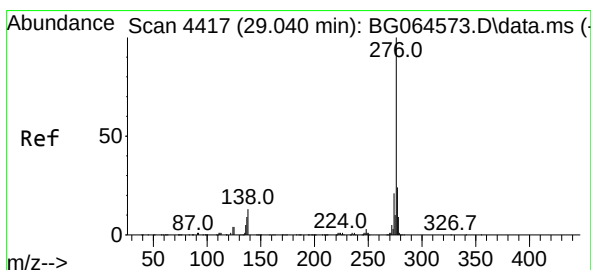
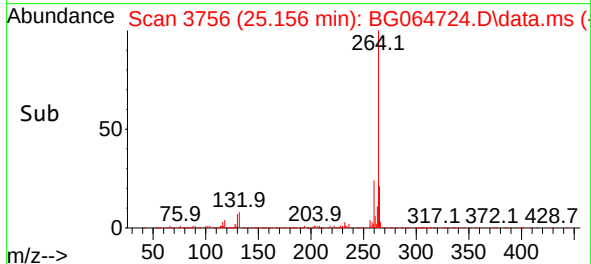
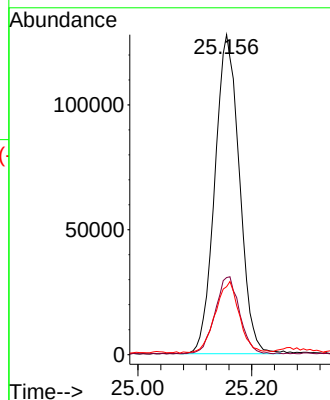
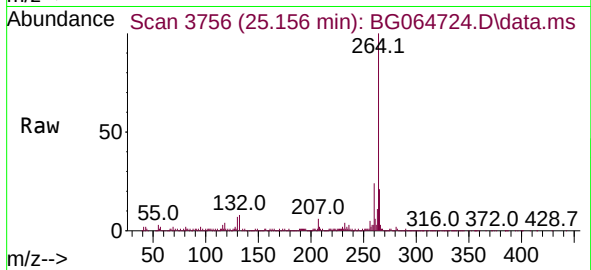
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.2	17.6	26.4

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.597 ng

RT: 28.975 min Scan# 4406

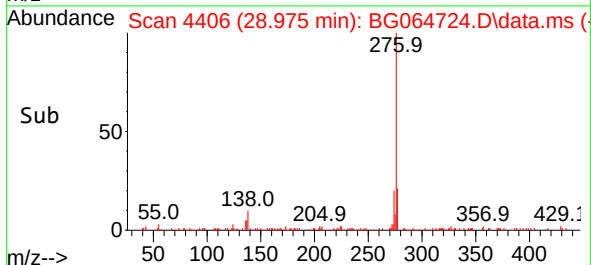
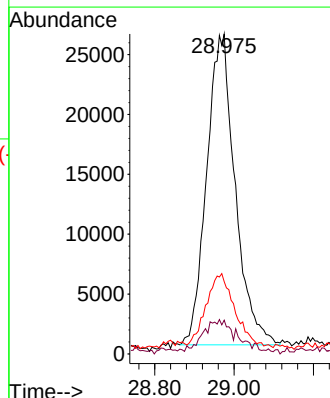
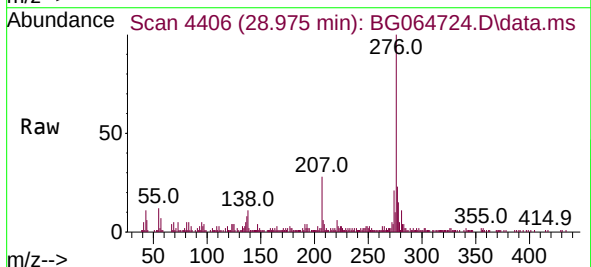
Delta R.T. -0.065 min

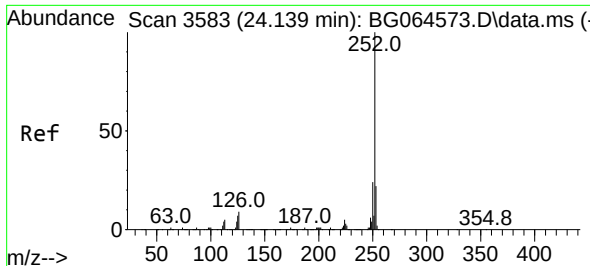
Lab File: BG064724.D

Acq: 7 Nov 2025 20:18

Tgt Ion:276 Resp: 129484

Ion	Ratio	Lower	Upper
276	100		
138	9.0	10.8	16.2#
277	24.2	20.1	30.1





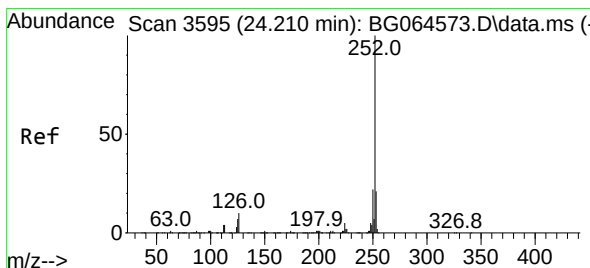
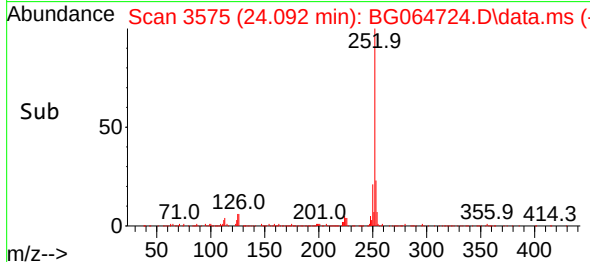
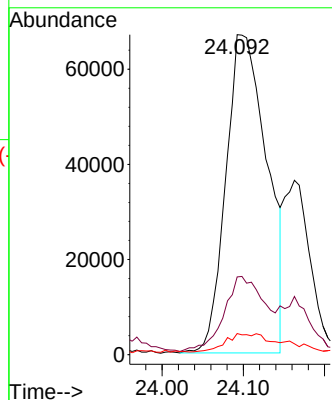
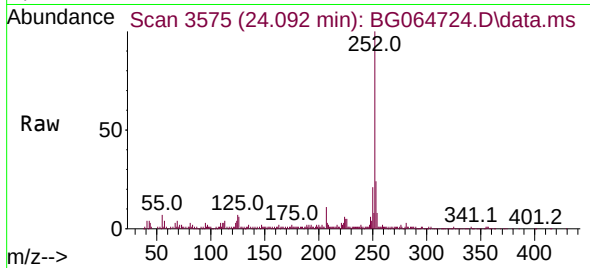
#88
Benzo(b)fluoranthene
Concen: 10.016 ng
RT: 24.092 min Scan# 3583
Delta R.T. -0.047 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

Instrument :
BNA_G
ClientSampleId :
EO-03-110625

Tgt Ion:252 Resp: 235153
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 6.6 5.6 8.4

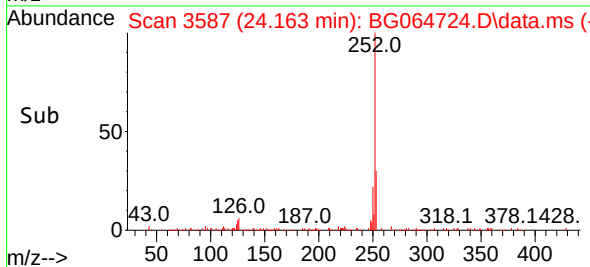
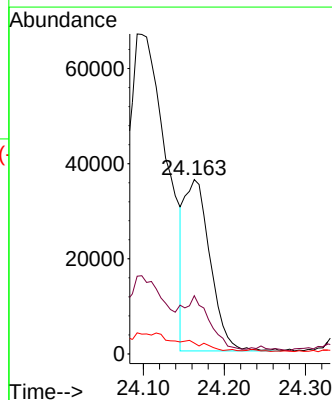
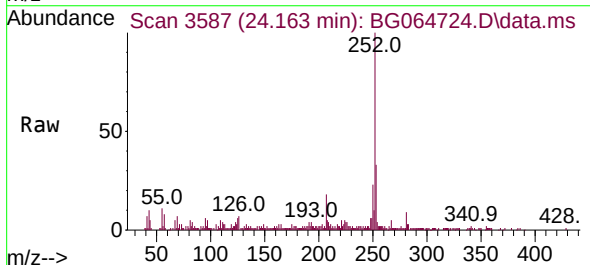
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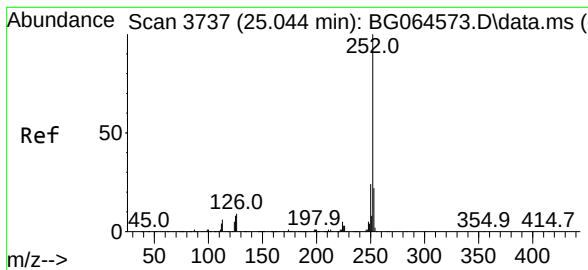
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#89
Benzo(k)fluoranthene
Concen: 3.384 ng m
RT: 24.163 min Scan# 3587
Delta R.T. -0.047 min
Lab File: BG064724.D
Acq: 7 Nov 2025 20:18

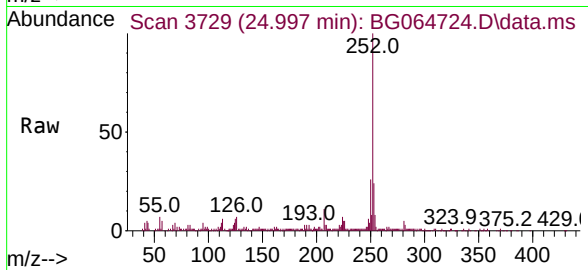
Tgt Ion:252 Resp: 79497
Ion Ratio Lower Upper
252 100
253 33.4 16.8 25.2#
125 6.2 5.4 8.0





#90
 Benzo(a)pyrene
 Concen: 7.803 ng m
 RT: 24.997 min Scan# 31
 Delta R.T. -0.047 min
 Lab File: BG064724.D
 Acq: 7 Nov 2025 20:18

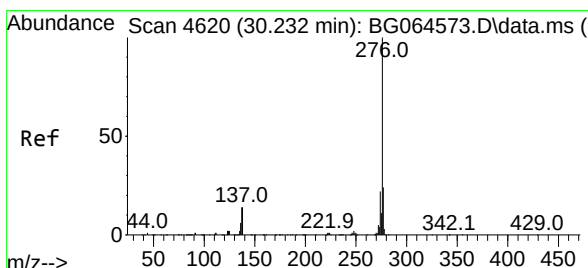
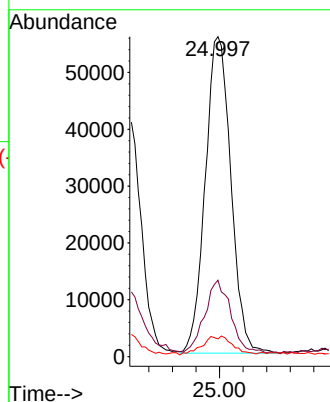
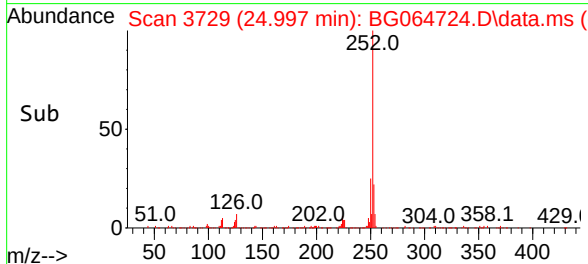
Instrument :
 BNA_G
 ClientSampleId :
 EO-03-110625



Tgt Ion:252 Resp: 168402
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.6 26.4
 125 5.5 6.1 9.1

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Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#92
 Benzo(g,h,i)perylene
 Concen: 5.728 ng
 RT: 30.156 min Scan# 4607
 Delta R.T. -0.077 min
 Lab File: BG064724.D
 Acq: 7 Nov 2025 20:18

Tgt Ion:276 Resp: 125222
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.1 28.7
 138 11.4 11.3 16.9

