

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
 Data File : BG064555.D
 Acq On : 20 Oct 2025 18:46
 Operator : RC/JU
 Sample : Q3381-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200059

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

Quant Time: Oct 21 00:41:04 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	7.820	152	15158	20.000	ng	# 0.00
21) Naphthalene-d8	10.605	136	60181	20.000	ng	0.00
39) Acenaphthene-d10	14.448	164	43349	20.000	ng	0.00
64) Phenanthrene-d10	17.191	188	98887	20.000	ng	0.00
76) Chrysene-d12	21.416	240	108136	20.000	ng	0.00
86) Perylene-d12	24.407	264	123710	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	40916	49.955	ng	0.01
7) Phenol-d6	7.003	99	60383	54.860	ng	0.02
23) Nitrobenzene-d5	8.972	82	42948	38.373	ng	0.00
42) 2,4,6-Tribromophenol	15.940	330	44913	57.159	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	112965	38.412	ng	0.00
79) Terphenyl-d14	19.806	244	212072	37.115	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.233	178	19594	3.789	ng	95
75) Fluoranthene	19.242	202	72345	11.710	ng	100
78) Pyrene	19.606	202	64760	9.228	ng	94
81) Benzo(a)anthracene	21.398	228	46190	6.690	ng	99
83) Chrysene	21.457	228	42942	6.558	ng	97
84) Bis(2-ethylhexyl)phtha...	21.316	149	12413	3.536	ng	# 85
87) Indeno(1,2,3-cd)pyrene	27.761	276	39103	4.541	ng	# 72
88) Benzo(b)fluoranthene	23.466	252	72017	10.233	ng	# 98
89) Benzo(k)fluoranthene	23.519	252	20972m	2.959	ng	
90) Benzo(a)pyrene	24.265	252	46538	7.175	ng	# 95
92) Benzo(g,h,i)perylene	28.801	276	35048	5.237	ng	# 90

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

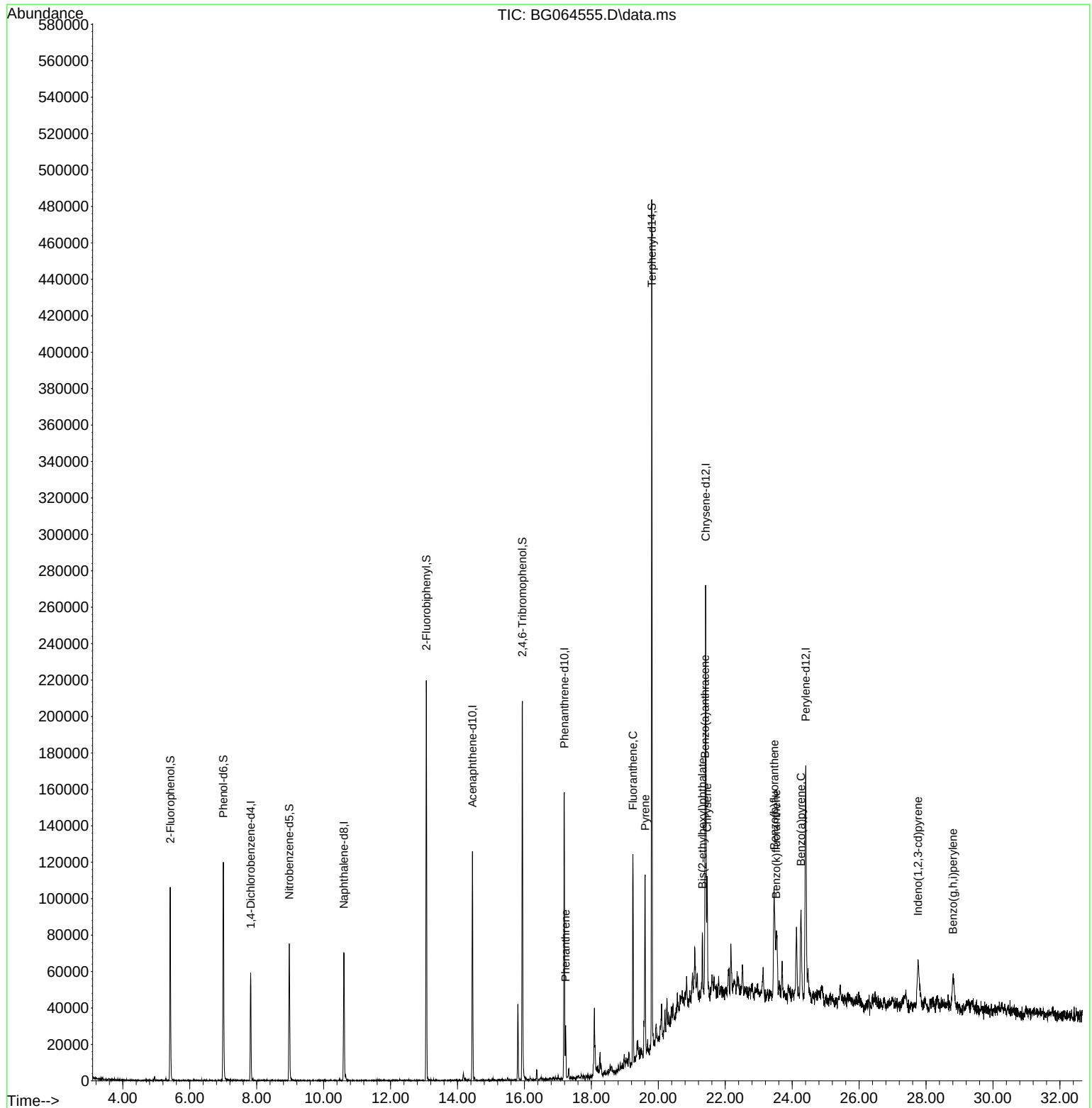
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
Data File : BG064555.D
Acq On : 20 Oct 2025 18:46
Operator : RC/JU
Sample : Q3381-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

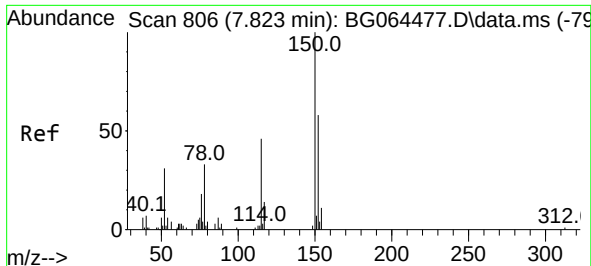
Instrument :
BNA_G
ClientSampleId :
RBR200059

Quant Time: Oct 21 00:41:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
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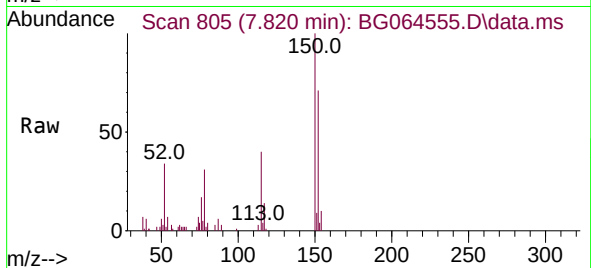
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.820 min Scan# 806
Delta R.T. 0.000 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

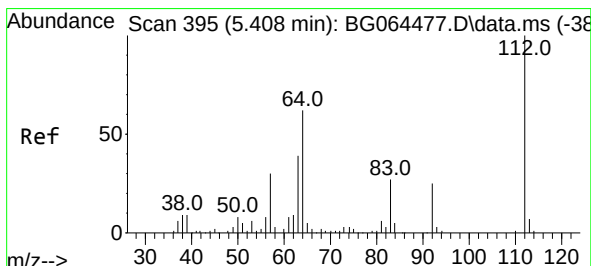
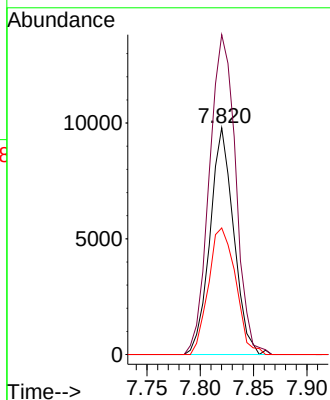
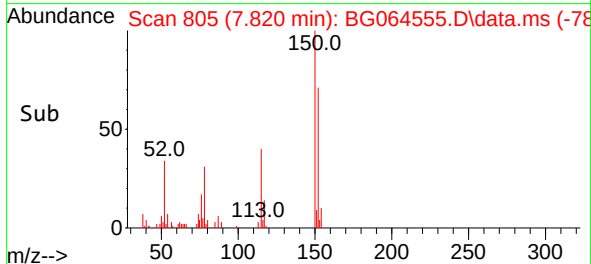
Instrument :
BNA_G
ClientSampleId :
RBR200059



Tgt Ion:152 Resp: 15158
Ion Ratio Lower Upper
152 100
150 141.1 138.6 207.8
115 55.8 63.4 95.2

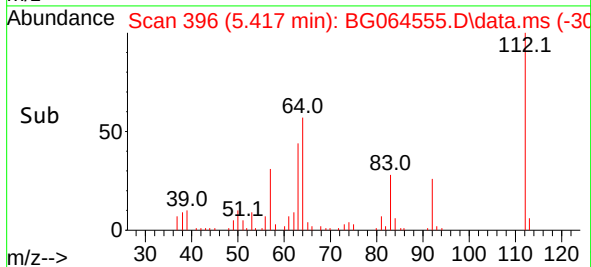
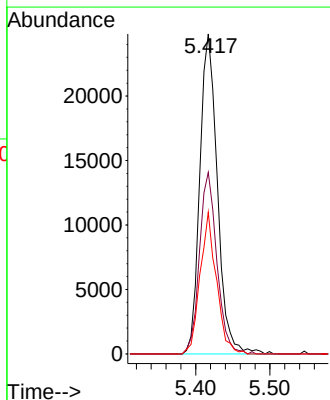
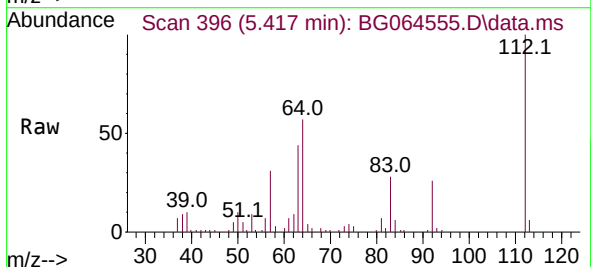
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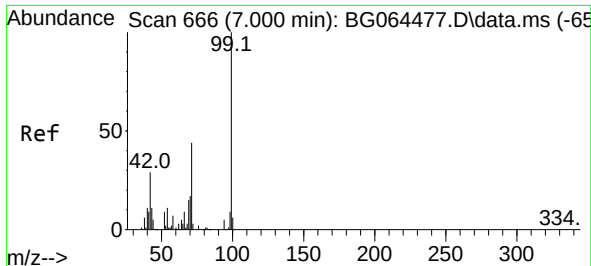
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#5
2-Fluorophenol
Concen: 49.955 ng
RT: 5.417 min Scan# 396
Delta R.T. 0.011 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

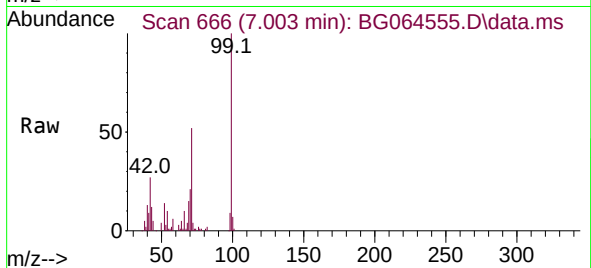
Tgt Ion:112 Resp: 40916
Ion Ratio Lower Upper
112 100
64 56.7 49.8 74.8
63 44.3 31.3 46.9





#7
Phenol-d6
Concen: 54.860 ng
RT: 7.003 min Scan# 60
Delta R.T. 0.017 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

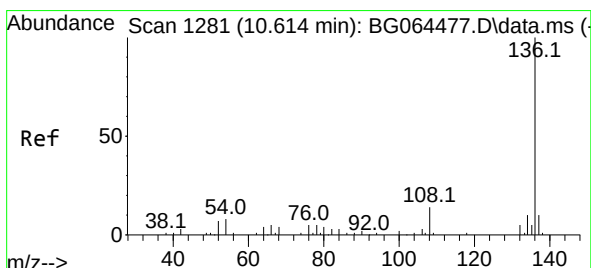
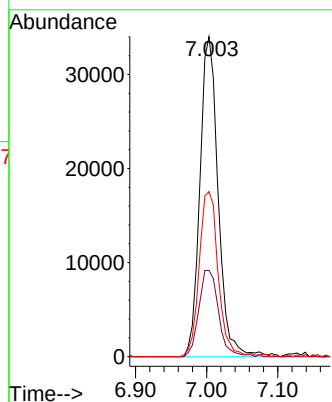
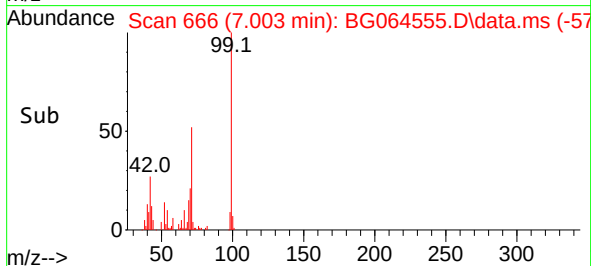
Instrument :
BNA_G
ClientSampleId :
RBR200059



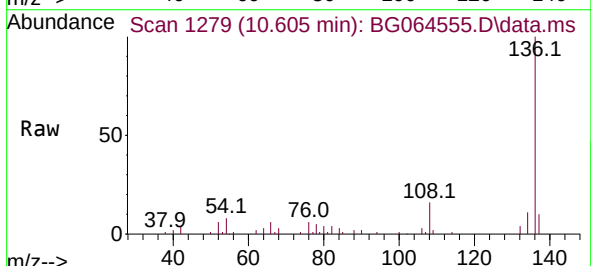
Tgt Ion: 99 Resp: 60383
Ion Ratio Lower Upper
99 100
42 26.9 22.9 34.3
71 51.6 35.4 53.2

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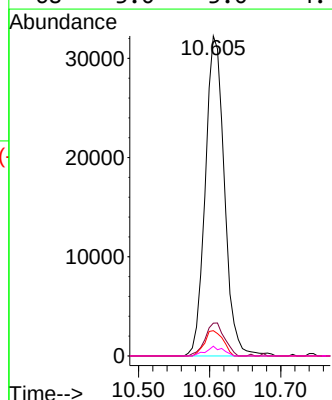
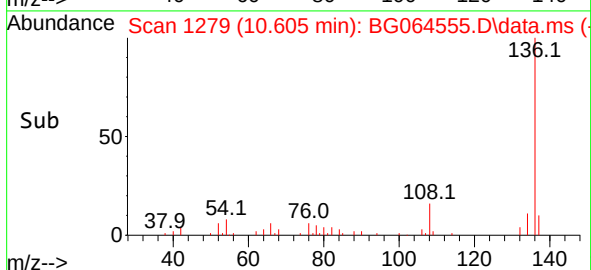
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

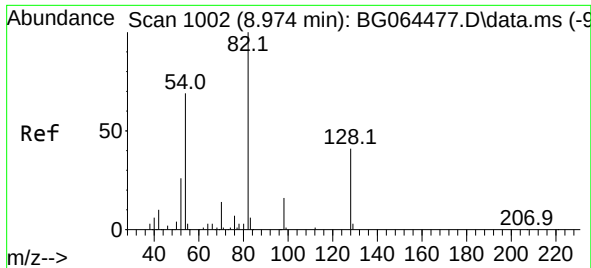


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46



Tgt Ion:136 Resp: 60181
Ion Ratio Lower Upper
136 100
137 10.2 8.3 12.5
54 7.9 6.2 9.4
68 3.0 3.0 4.4





#23

Nitrobenzene-d5

Concen: 38.373 ng

RT: 8.972 min Scan# 1001

Delta R.T. 0.005 min

Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

Instrument :

BNA_G

ClientSampleId :

RBR200059

Tgt Ion: 82 Resp: 42948

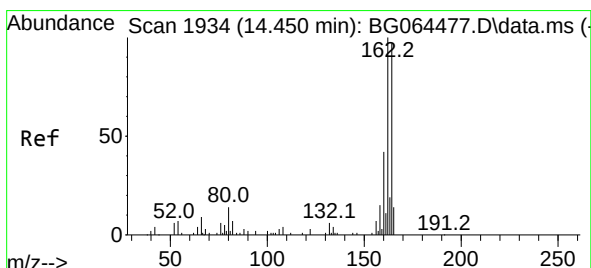
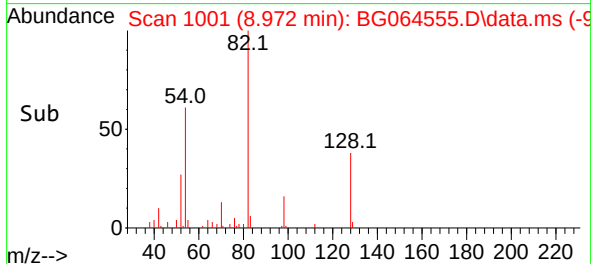
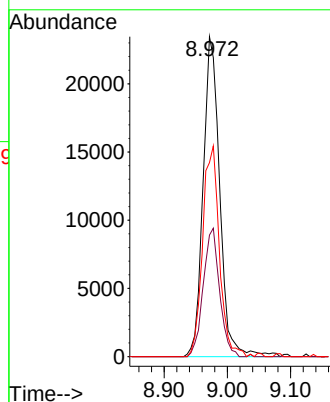
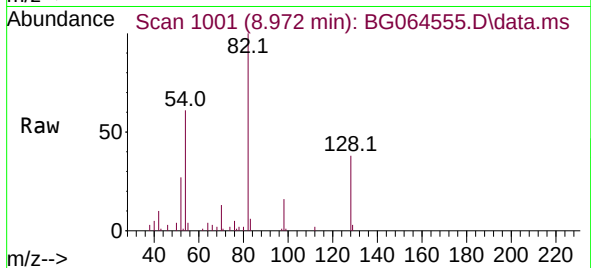
Ion	Ratio	Lower	Upper
82	100		
128	38.0	33.1	49.7
54	60.6	55.4	83.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.448 min Scan# 1933

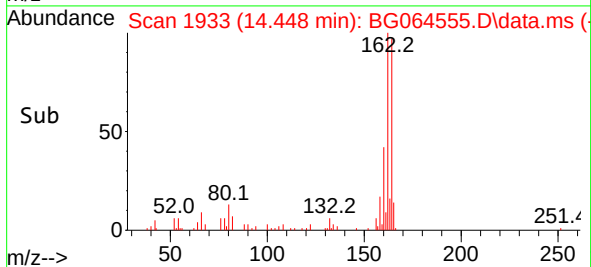
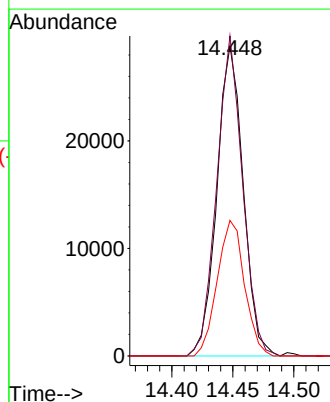
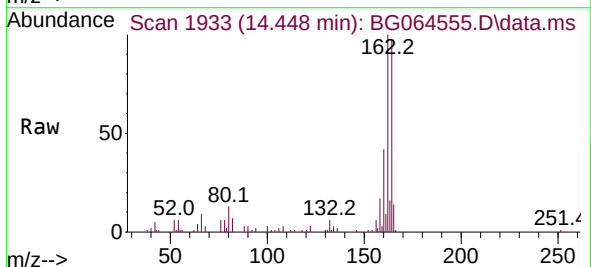
Delta R.T. -0.000 min

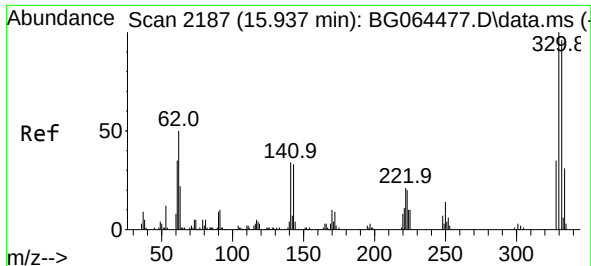
Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

Tgt Ion:164 Resp: 43349

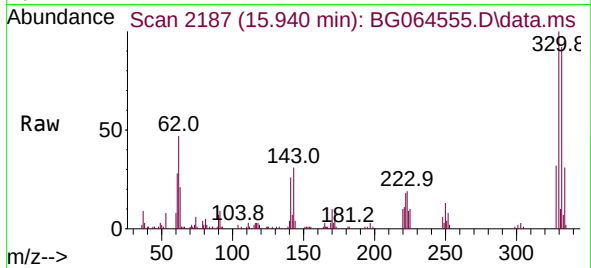
Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.2
160	43.7	34.3	51.5





#42
2,4,6-Tribromophenol
Concen: 57.159 ng
RT: 15.940 min Scan# 2187
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

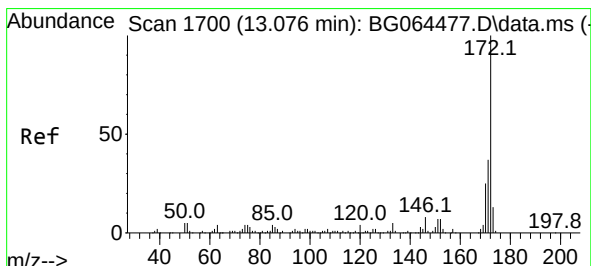
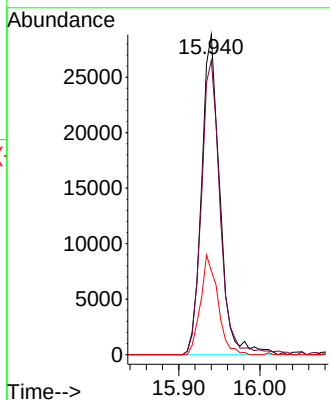
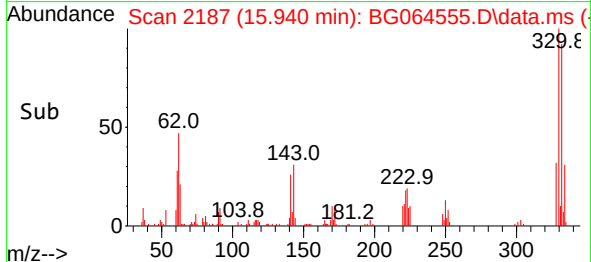
Instrument :
BNA_G
ClientSampleId :
RBR200059



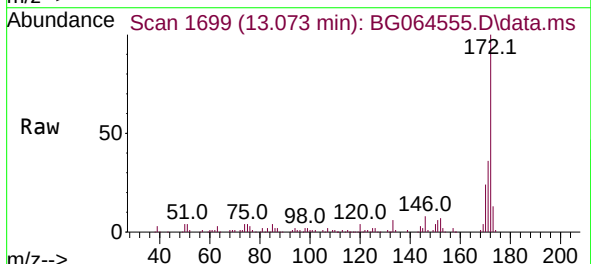
Tgt Ion:330 Resp: 44913
Ion Ratio Lower Upper
330 100
332 94.7 77.4 116.0
141 29.5 25.8 38.6

Manual Integrations
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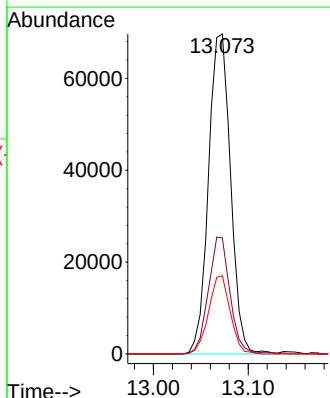
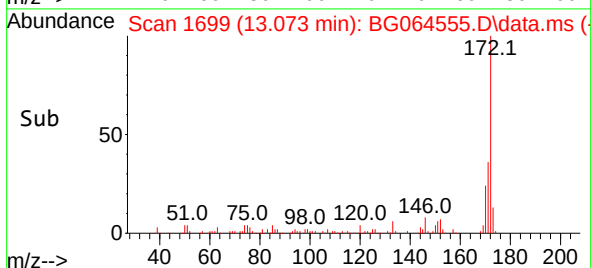
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

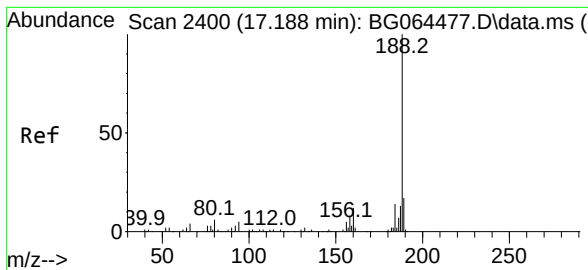


#45
2-Fluorobiphenyl
Concen: 38.412 ng
RT: 13.073 min Scan# 1699
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46



Tgt Ion:172 Resp: 112965
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.4 20.2 30.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.191 min Scan# 2400
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

Instrument :

BNA_G

ClientSampleId :

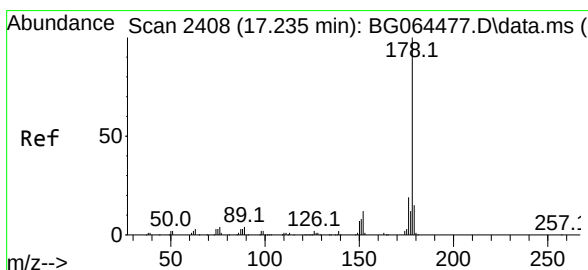
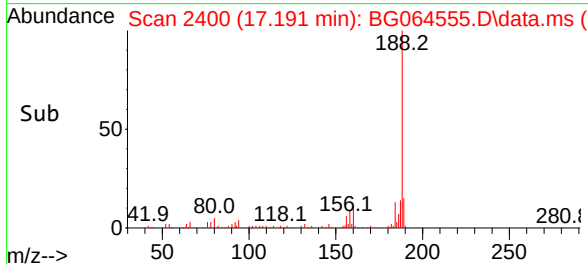
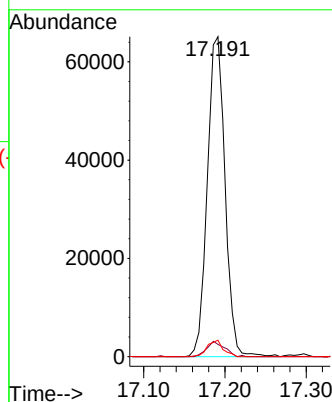
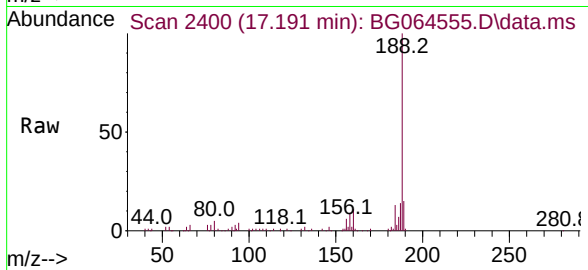
RBR200059

Tgt Ion:188 Resp: 9888
Ion Ratio Lower Upper
188 100
94 3.8 3.7 5.5
80 5.1 4.5 6.7

Manual Integrations

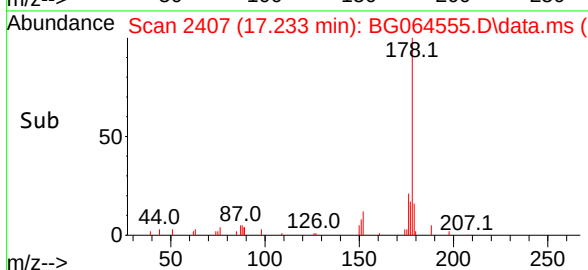
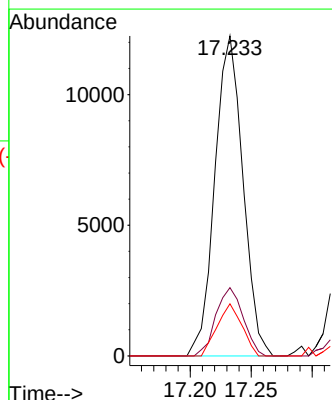
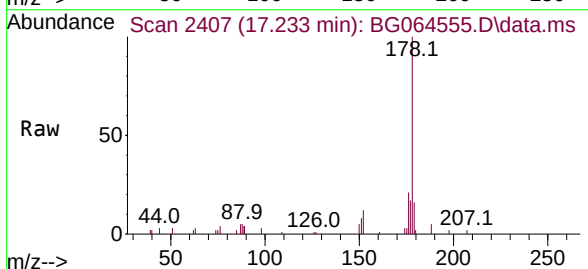
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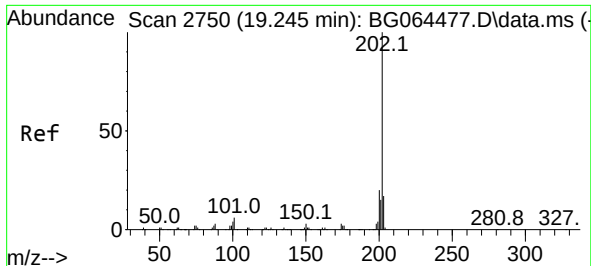
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#71
Phenanthrene
Concen: 3.789 ng
RT: 17.233 min Scan# 2407
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

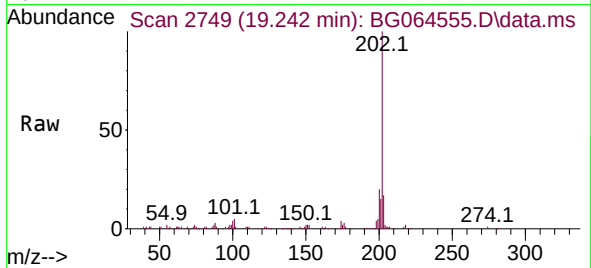
Tgt Ion:178 Resp: 19594
Ion Ratio Lower Upper
178 100
176 21.3 15.2 22.8
179 16.3 11.8 17.6





#75
Fluoranthene
Concen: 11.710 ng
RT: 19.242 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

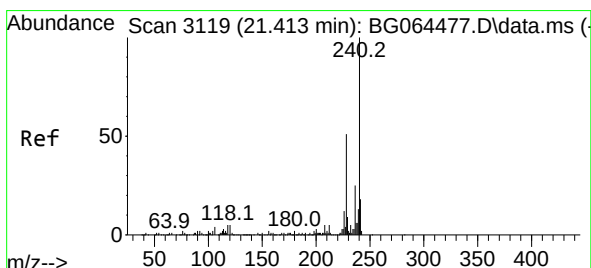
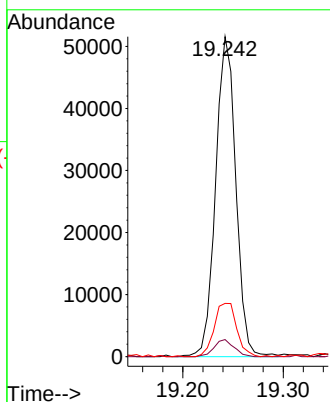
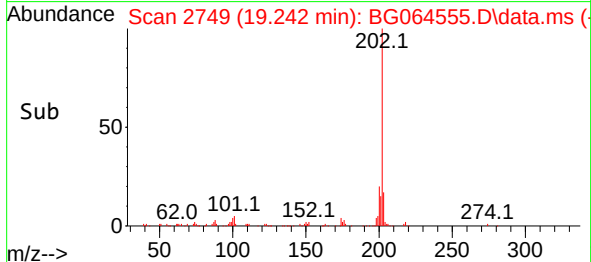
Instrument :
BNA_G
ClientSampleId :
RBR200059



Tgt Ion:202 Resp: 72345
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.7
203 16.6 0.0 36.6

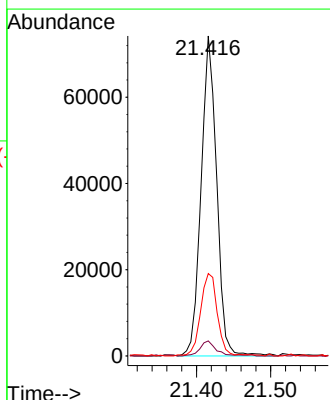
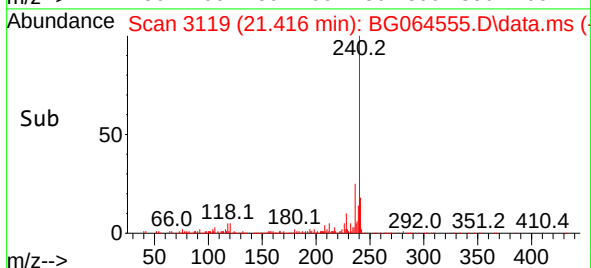
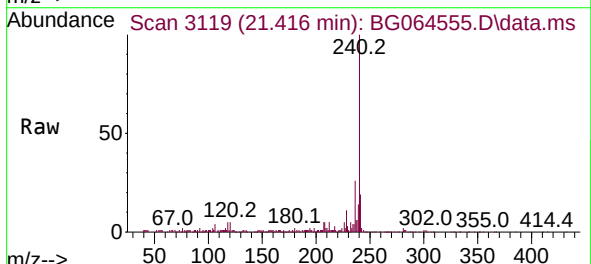
Manual Integrations
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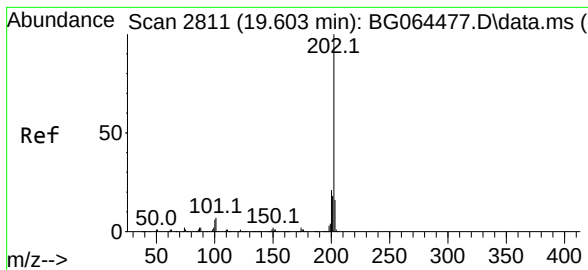
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

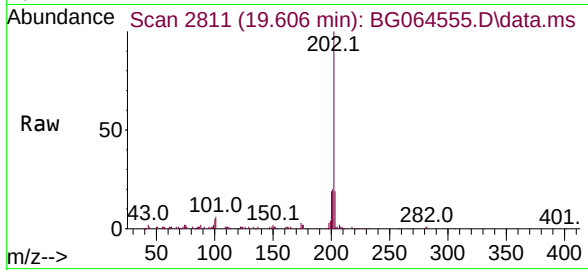
Tgt Ion:240 Resp: 108136
Ion Ratio Lower Upper
240 100
120 4.7 4.3 6.5
236 25.7 20.4 30.6





#78
 Pyrene
 Concen: 9.228 ng
 RT: 19.606 min Scan# 2811
 Delta R.T. 0.005 min
 Lab File: BG064555.D
 Acq: 20 Oct 2025 18:46

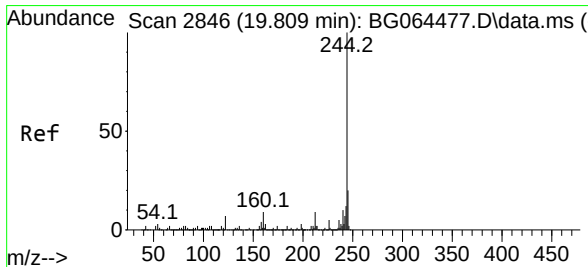
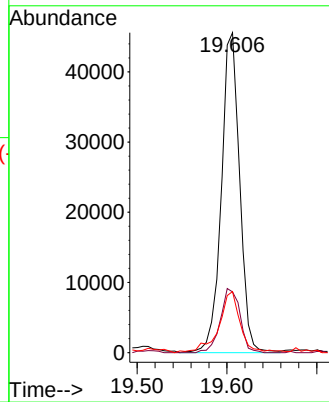
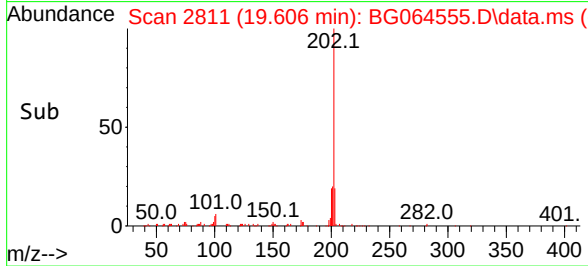
Instrument :
 BNA_G
 ClientSampleId :
 RBR200059



Tgt Ion:202 Resp: 64760
 Ion Ratio Lower Upper
 202 100
 200 19.0 17.0 25.4
 203 19.1 13.0 19.4

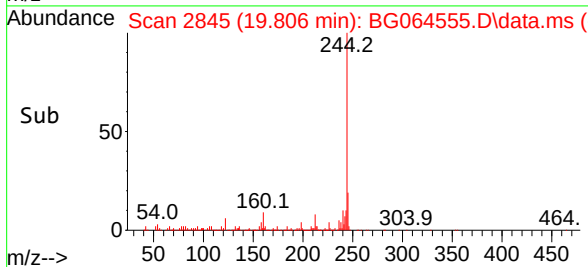
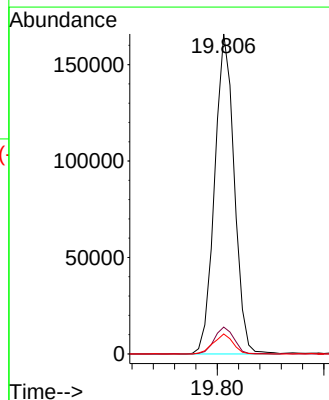
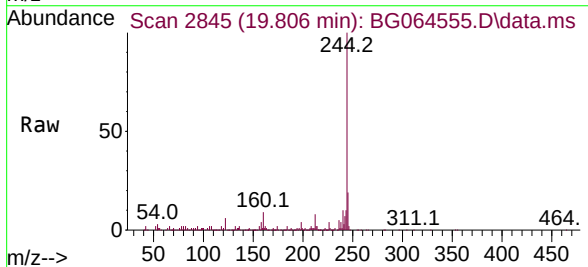
Manual Integrations
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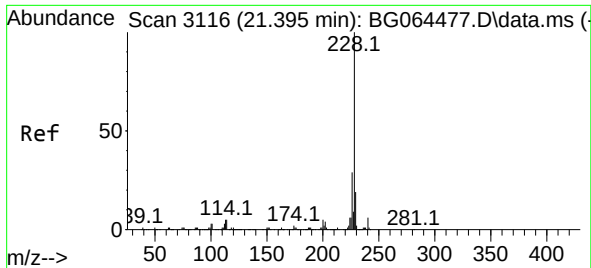
Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025



#79
 Terphenyl-d14
 Concen: 37.115 ng
 RT: 19.806 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: BG064555.D
 Acq: 20 Oct 2025 18:46

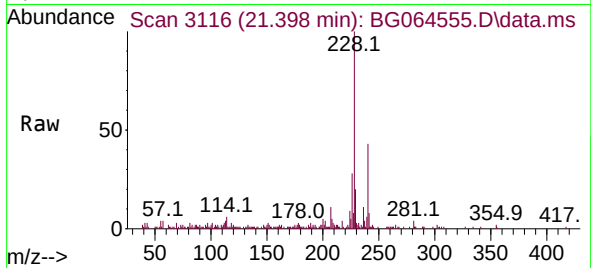
Tgt Ion:244 Resp: 212072
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.0 10.6
 122 6.2 5.6 8.4





#81
Benzo(a)anthracene
Concen: 6.690 ng
RT: 21.398 min Scan# 3116
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

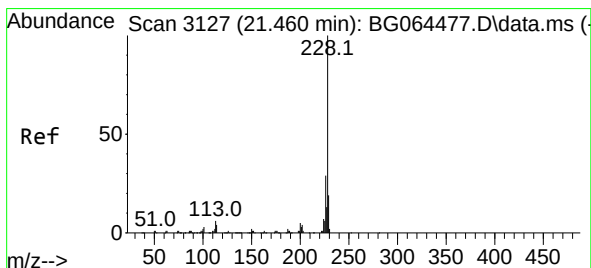
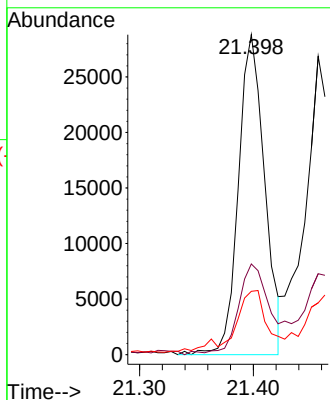
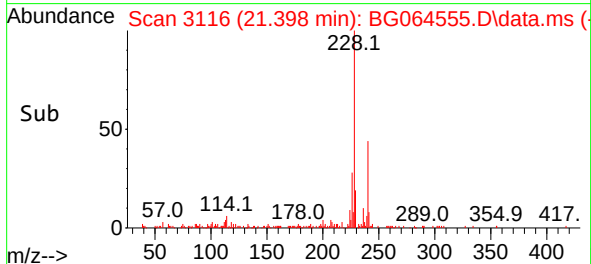
Instrument :
BNA_G
ClientSampleId :
RBR200059



Tgt Ion:228 Resp: 46190
Ion Ratio Lower Upper
228 100
226 28.3 22.8 34.2
229 19.8 15.2 22.8

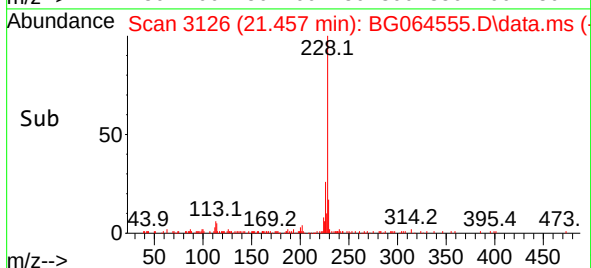
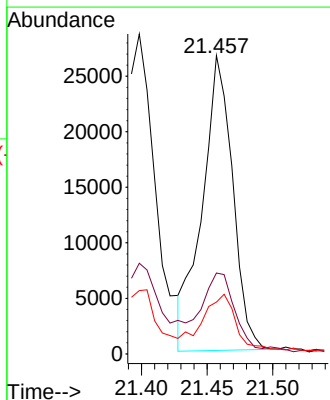
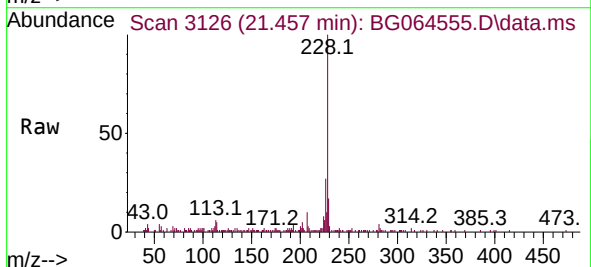
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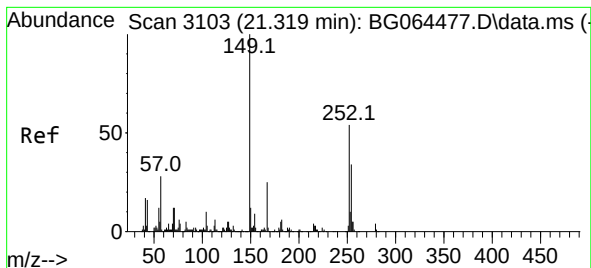
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#83
Chrysene
Concen: 6.558 ng
RT: 21.457 min Scan# 3126
Delta R.T. 0.005 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

Tgt Ion:228 Resp: 42942
Ion Ratio Lower Upper
228 100
226 27.1 22.8 34.2
229 17.4 15.4 23.0





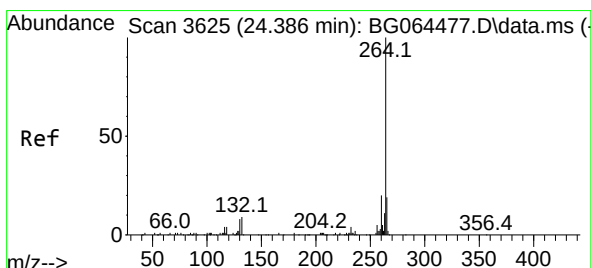
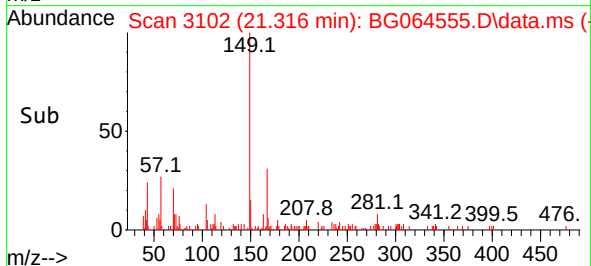
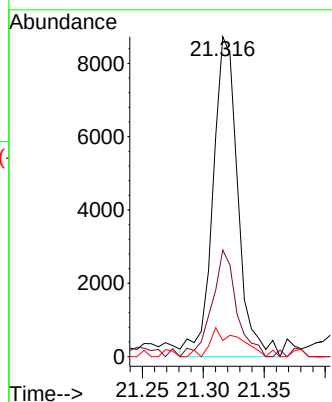
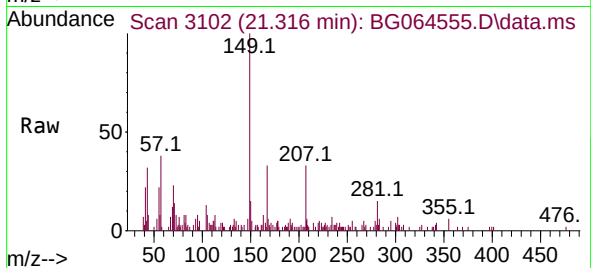
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.536 ng
RT: 21.316 min Scan# 3103
Delta R.T. -0.000 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

Instrument :
BNA_G
ClientSampleId :
RBR200059

Tgt Ion:149 Resp: 12413
Ion Ratio Lower Upper
149 100
167 33.3 19.7 29.5
279 5.0 3.4 5.2

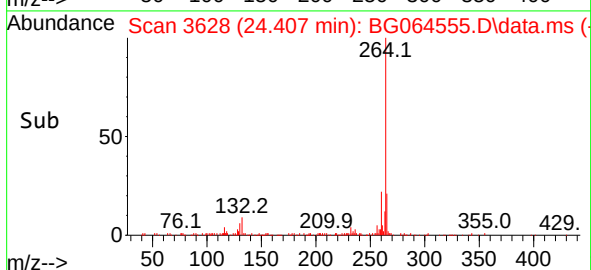
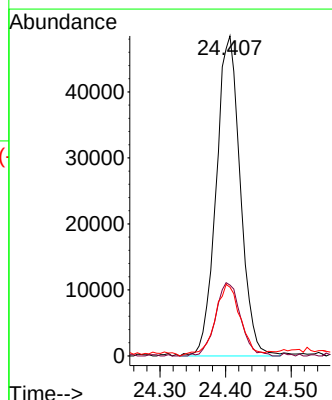
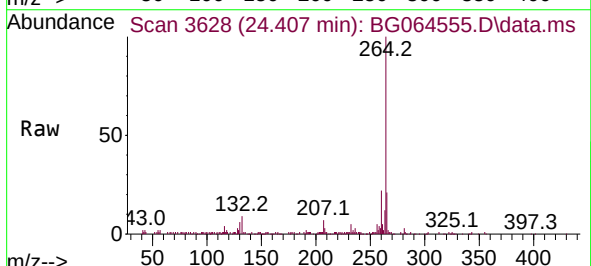
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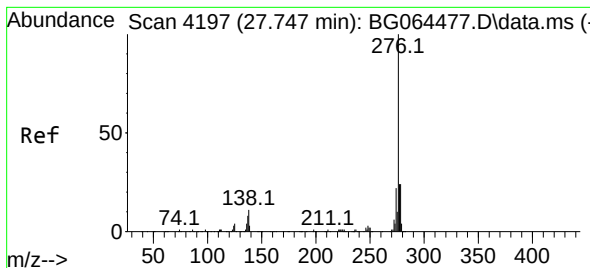
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.407 min Scan# 3628
Delta R.T. 0.017 min
Lab File: BG064555.D
Acq: 20 Oct 2025 18:46

Tgt Ion:264 Resp: 123710
Ion Ratio Lower Upper
264 100
260 22.2 16.2 24.4
265 21.5 15.0 22.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.541 ng

RT: 27.761 min Scan# 4197

Delta R.T. 0.029 min

Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

Instrument :

BNA_G

ClientSampleId :

RBR200059

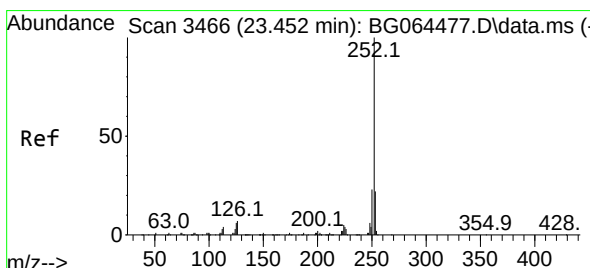
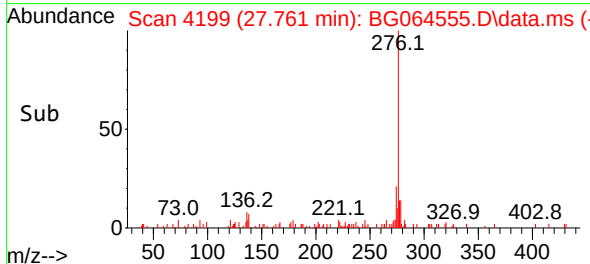
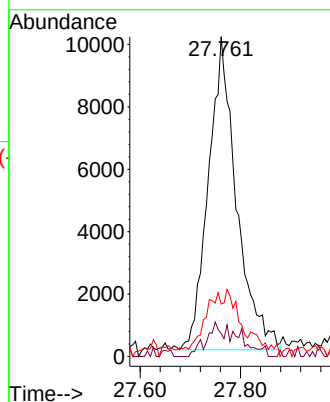
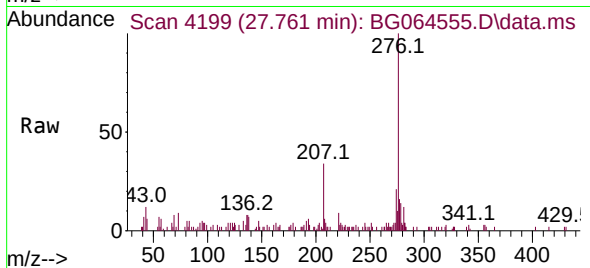
Tgt Ion:	276	Resp:	3910
Ion Ratio	Lower	Upper	
276	100		
138	3.3	10.8	16.2
277	10.4	20.3	30.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#88

Benzo(b)fluoranthene

Concen: 10.233 ng

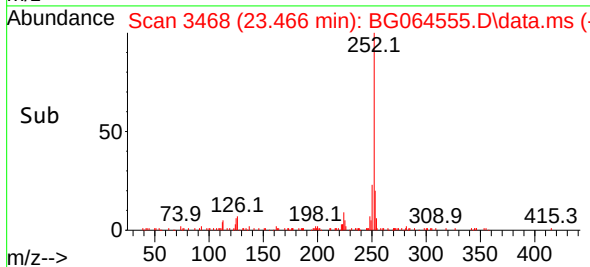
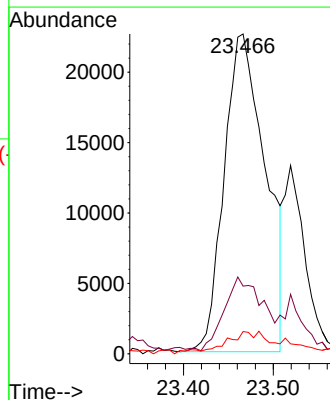
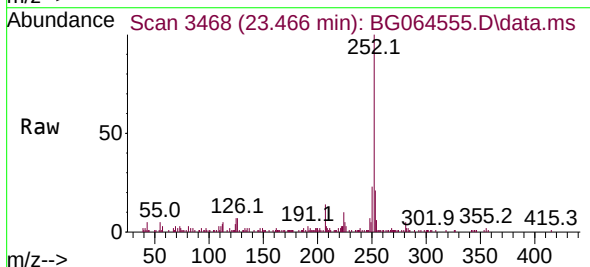
RT: 23.466 min Scan# 3468

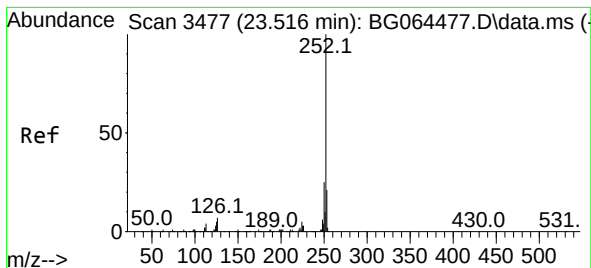
Delta R.T. 0.017 min

Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

Tgt Ion:	252	Resp:	72017
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.5	26.3
125	7.0	4.5	6.7





#89

Benzo(k)fluoranthene

Concen: 2.959 ng m

RT: 23.519 min Scan# 3477

Delta R.T. 0.011 min

Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

Instrument :

BNA_G

ClientSampleId :

RBR200059

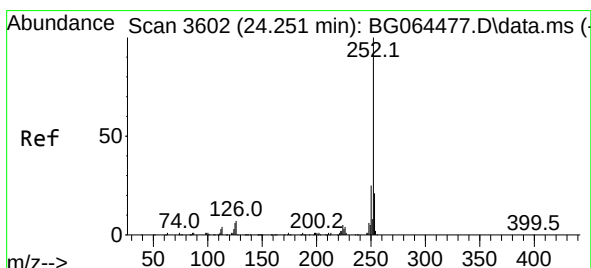
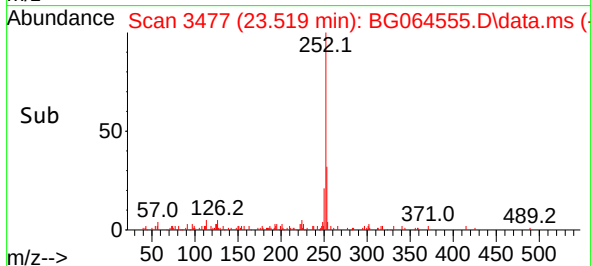
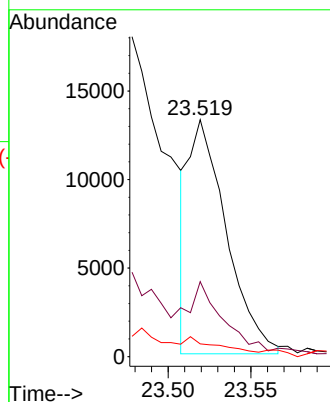
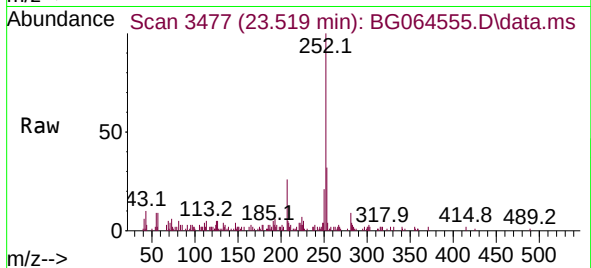
Tgt Ion:252 Resp: 20972
 Ion Ratio Lower Upper
 252 100
 253 31.7 17.4 26.2
 125 5.3 4.0 6.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/21/2025

Supervised By :Jagrut Upadhyay 10/21/2025



#90

Benzo(a)pyrene

Concen: 7.175 ng

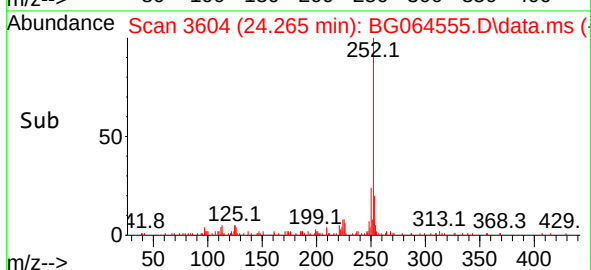
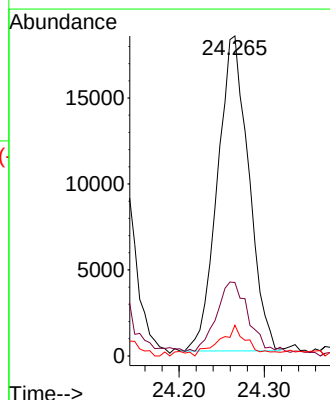
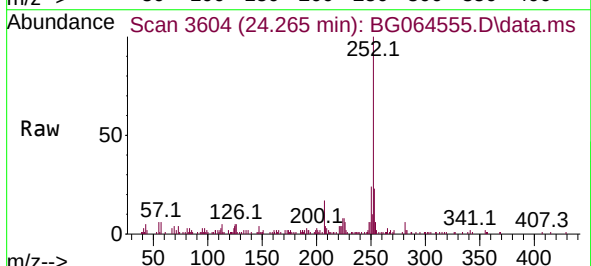
RT: 24.265 min Scan# 3604

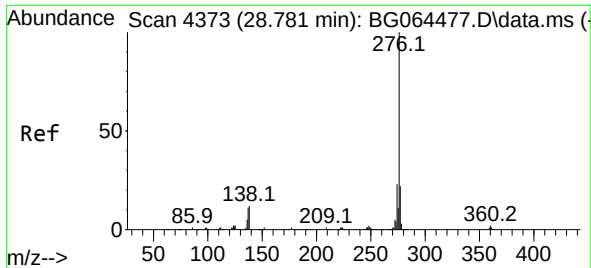
Delta R.T. 0.017 min

Lab File: BG064555.D

Acq: 20 Oct 2025 18:46

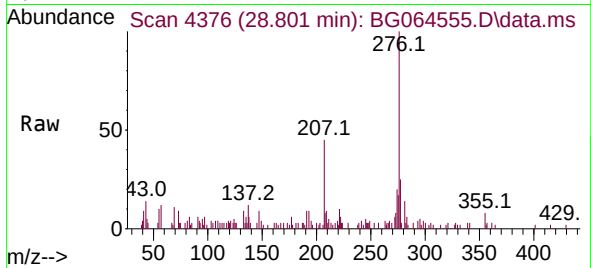
Tgt Ion:252 Resp: 46538
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 9.6 4.6 6.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.237 ng
 RT: 28.801 min Scan# 4376
 Delta R.T. 0.035 min
 Lab File: BG064555.D
 Acq: 20 Oct 2025 18:46

Instrument :
 BNA_G
 ClientSampleId :
 RBR200059



Tgt Ion: 276 Resp: 35048

Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.8	26.6
138	5.5	9.4	14.0

Manual Integrations
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Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

