

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
 Data File : BG064807.D
 Acq On : 18 Nov 2025 17:42
 Operator : RC/JU
 Sample : Q3652-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2025
 Supervised By :Sohil Jodhani 11/19/2025

Quant Time: Nov 19 00:00:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	52836	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	196248	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	145722	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	309153	20.000	ng	0.00
76) Chrysene-d12	21.772	240	284423	20.000	ng	# 0.01
86) Perylene-d12	25.097	264	319328	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	236133	78.041	ng	0.00
7) Phenol-d6	7.312	99	312034	77.536	ng	0.00
23) Nitrobenzene-d5	9.327	82	224826	56.643	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	238970	84.084	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	622197	59.578	ng	0.00
79) Terphenyl-d14	20.097	244	952971	65.908	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.623	142	52676	6.327	ng	97
38) 1-Methylnaphthalene	12.841	142	64737m	7.828	ng	
71) Phenanthrene	17.541	178	50846	3.006	ng	# 89
75) Fluoranthene	19.539	202	120785	5.222	ng	82
78) Pyrene	19.903	202	268321	16.832	ng	# 95
81) Benzo(a)anthracene	21.754	228	137150	7.092	ng	# 73
83) Chrysene	21.819	228	94697	5.194	ng	# 61
84) Bis(2-ethylhexyl)phtha...	21.654	149	347446	42.407	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.881	276	57884	2.638	ng	# 59
88) Benzo(b)fluoranthene	24.040	252	82536	4.062	ng	# 1
90) Benzo(a)pyrene	24.938	252	104755	5.557	ng	# 12
92) Benzo(g,h,i)perylene	30.056	276	164944	9.536	ng	# 86

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

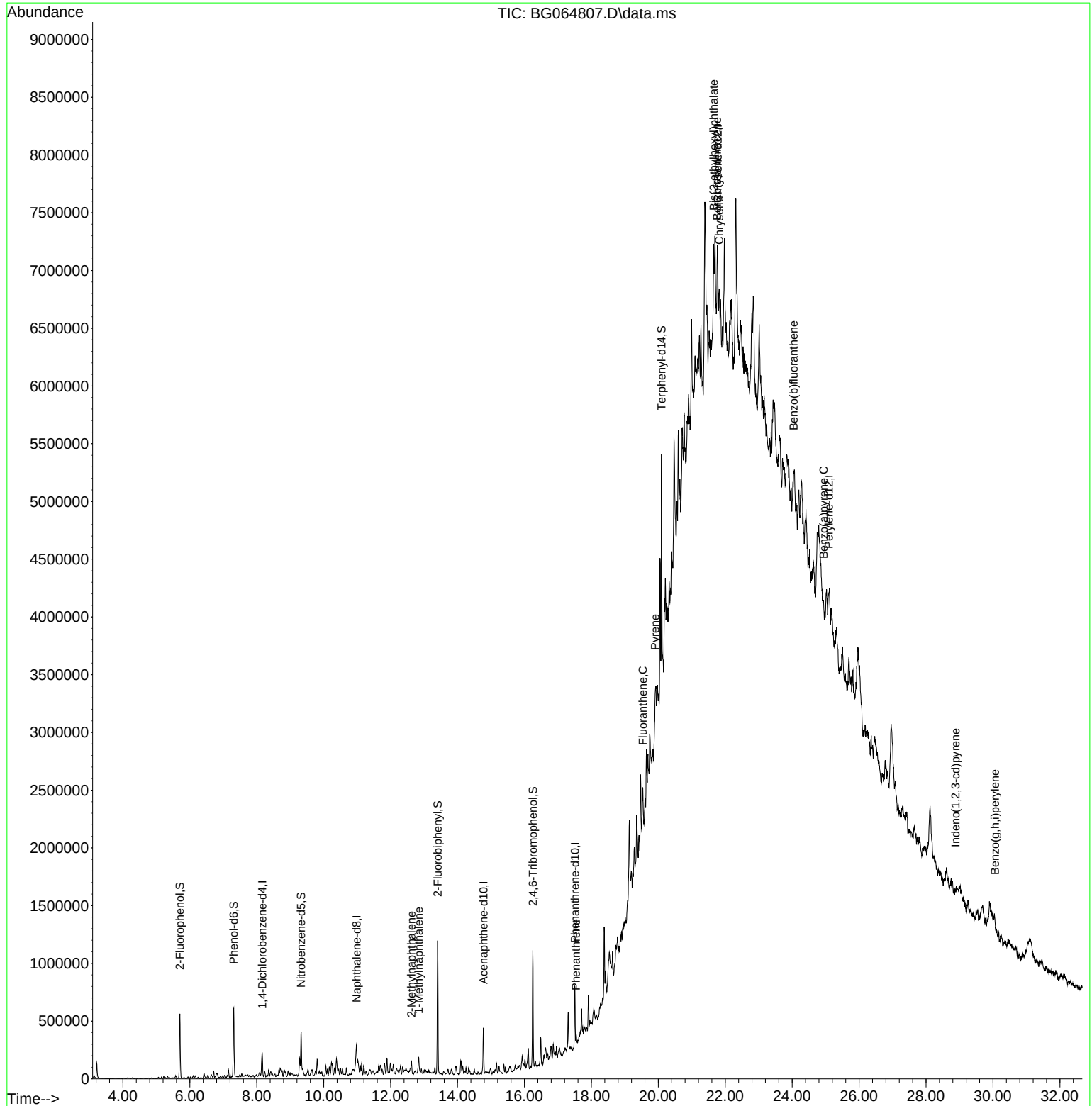
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
Data File : BG064807.D
Acq On : 18 Nov 2025 17:42
Operator : RC/JU
Sample : Q3652-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

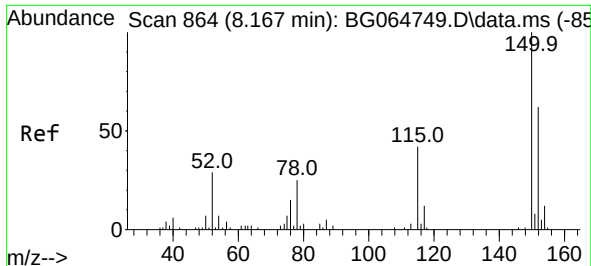
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Quant Time: Nov 19 00:00:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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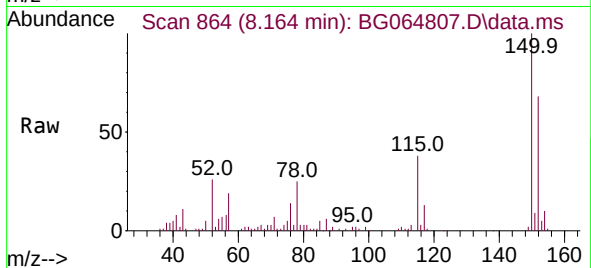
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

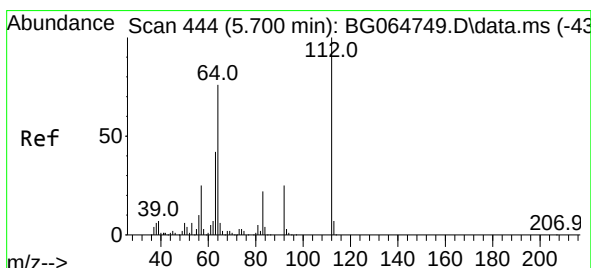
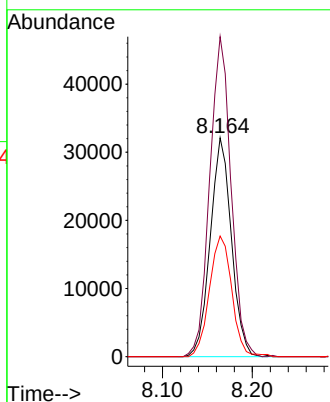
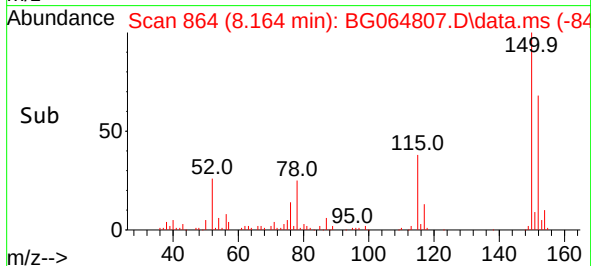
Instrument :
BNA_G
ClientSampleId :
TP-1



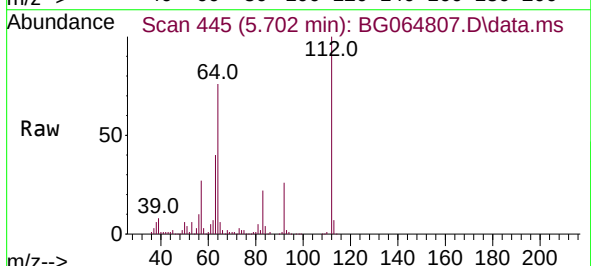
Tgt Ion:152 Resp: 52836
Ion Ratio Lower Upper
152 100
150 146.2 129.2 193.8
115 55.1 53.7 80.5

Manual Integrations
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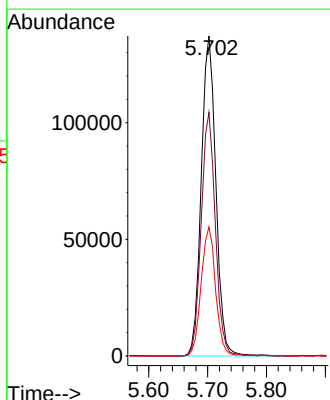
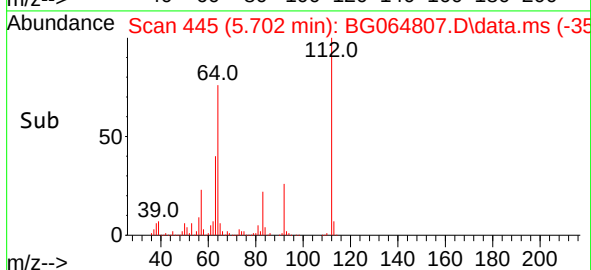
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

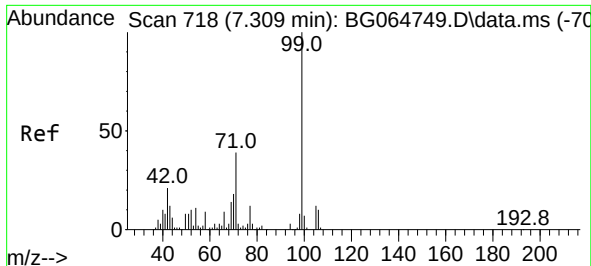


#5
2-Fluorophenol
Concen: 78.041 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42



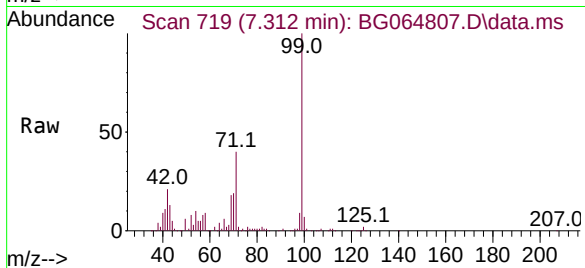
Tgt Ion:112 Resp: 236133
Ion Ratio Lower Upper
112 100
64 76.1 61.0 91.4
63 40.3 33.3 49.9





#7
Phenol-d6
Concen: 77.536 ng
RT: 7.312 min Scan# 718
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

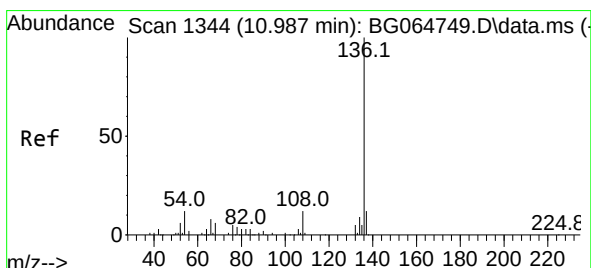
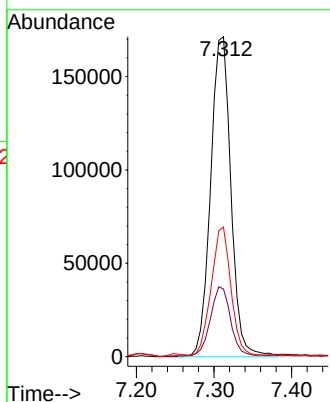
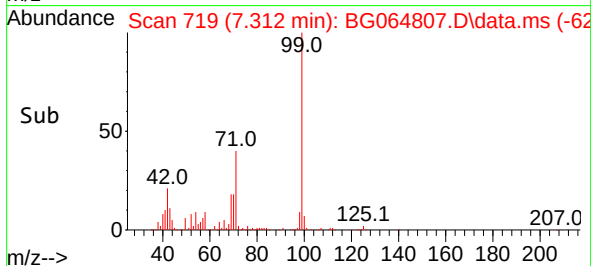
Instrument :
BNA_G
ClientSampleId :
TP-1



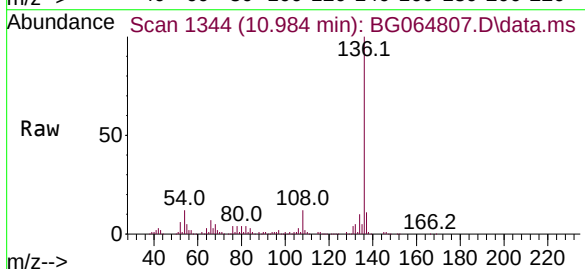
Tgt Ion: 99 Resp: 312034
Ion Ratio Lower Upper
99 100
42 21.1 16.8 25.2
71 40.5 31.1 46.7

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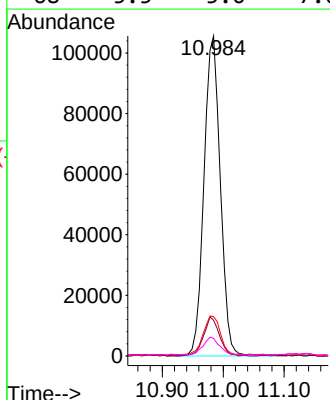
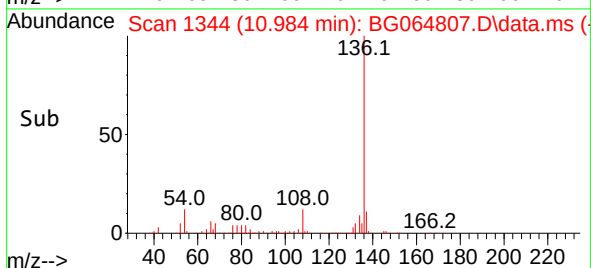
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

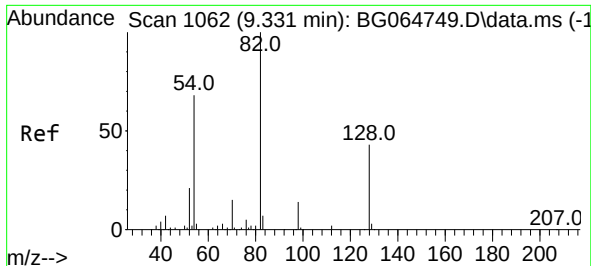


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 1344
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42



Tgt Ion:136 Resp: 196248
Ion Ratio Lower Upper
136 100
137 11.1 9.3 13.9
54 12.3 9.3 13.9
68 5.5 5.0 7.6





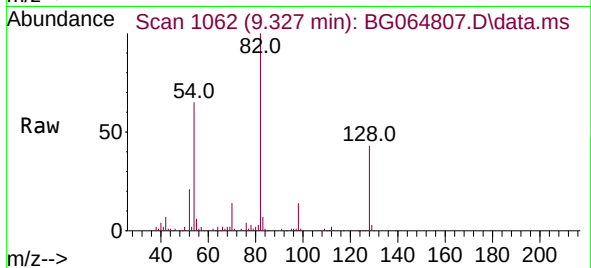
#23
Nitrobenzene-d5
Concen: 56.643 ng
RT: 9.327 min Scan# 1062
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

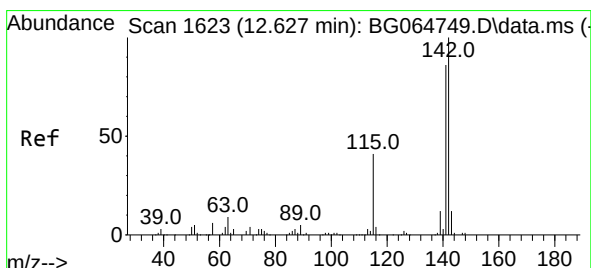
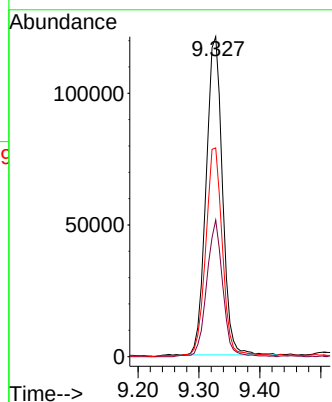
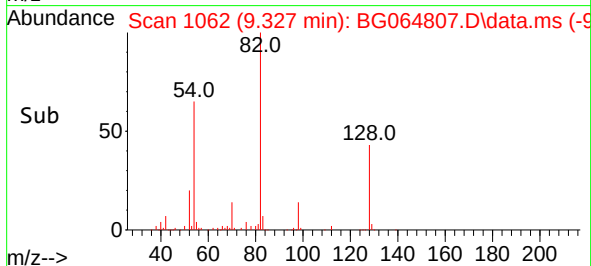


Tgt Ion: 82 Resp: 224826
Ion Ratio Lower Upper
82 100
128 42.7 34.1 51.1
54 65.2 54.3 81.5

Manual Integrations

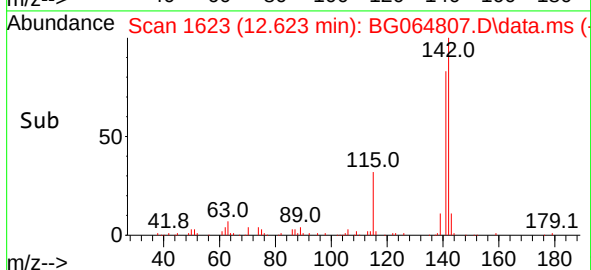
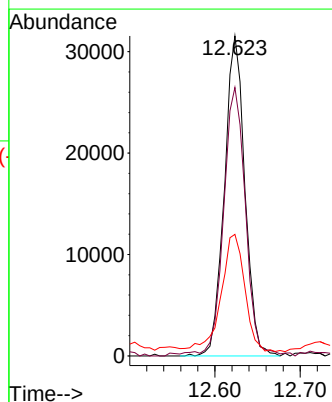
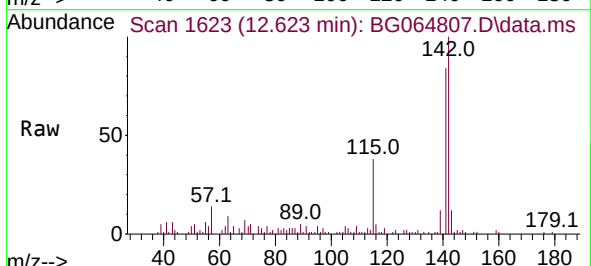
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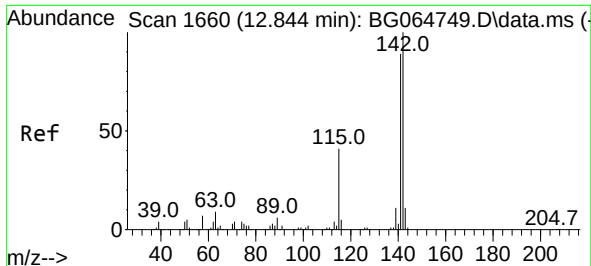
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#37
2-Methylnaphthalene
Concen: 6.327 ng
RT: 12.623 min Scan# 1623
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

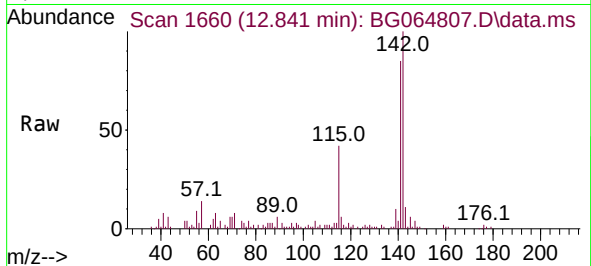
Tgt Ion:142 Resp: 52676
Ion Ratio Lower Upper
142 100
141 83.9 69.1 103.7
115 38.0 32.9 49.3





#38
1-Methylnaphthalene
Concen: 7.828 ng m
RT: 12.841 min Scan# 1660
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

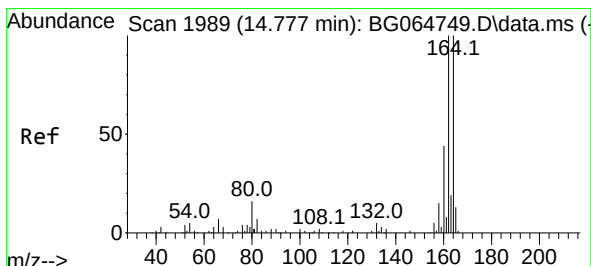
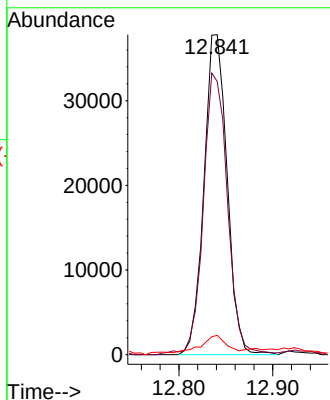
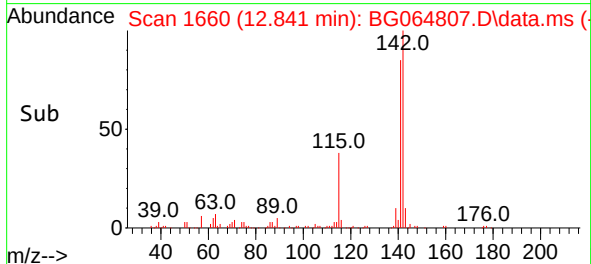
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:142 Resp: 64732
Ion Ratio Lower Upper
142 100
141 85.3 70.8 106.2
116 6.1 3.7 5.5

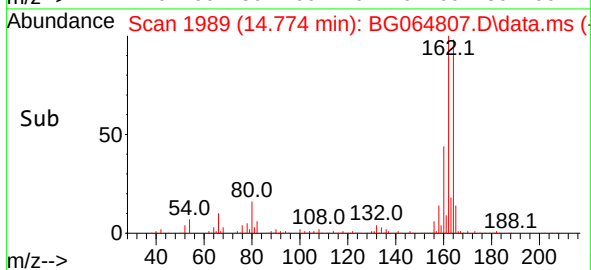
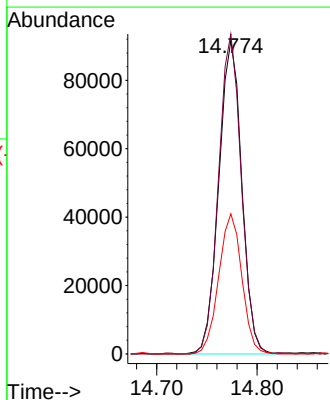
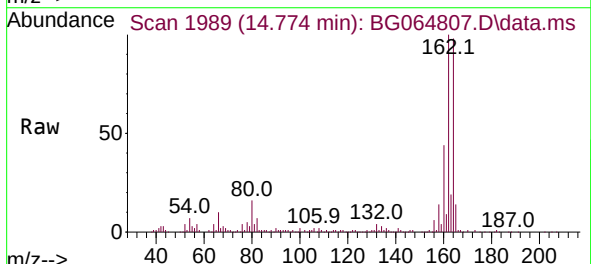
Manual Integrations
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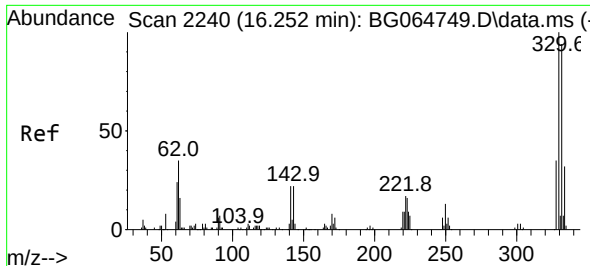
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:164 Resp: 145722
Ion Ratio Lower Upper
164 100
162 102.2 79.8 119.6
160 44.7 34.9 52.3





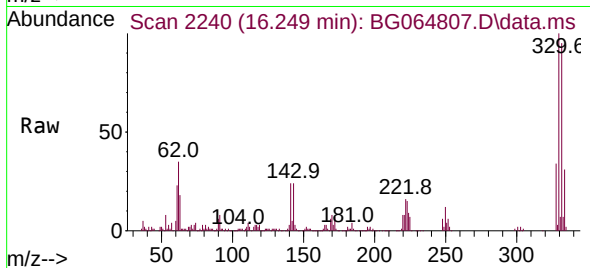
#42
2,4,6-Tribromophenol
Concen: 84.084 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

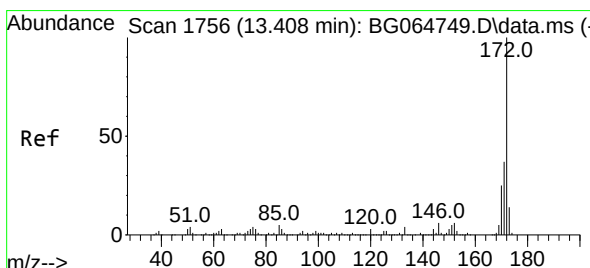
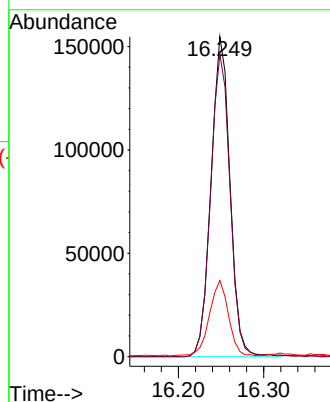
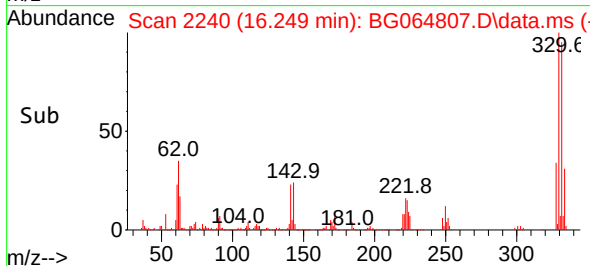


Tgt Ion:330 Resp: 238976
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 23.5 18.2 27.2

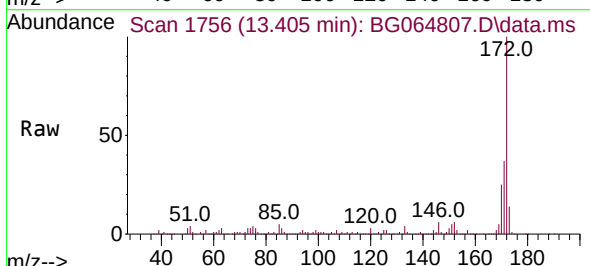
Manual Integrations

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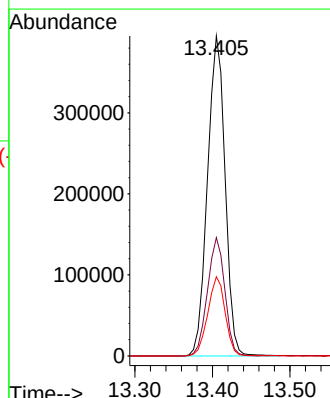
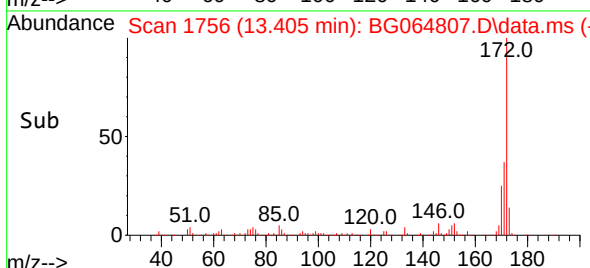
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

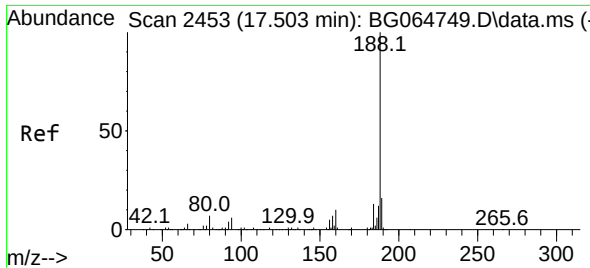


#45
2-Fluorobiphenyl
Concen: 59.578 ng
RT: 13.405 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42



Tgt Ion:172 Resp: 622197
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 24.7 19.8 29.6





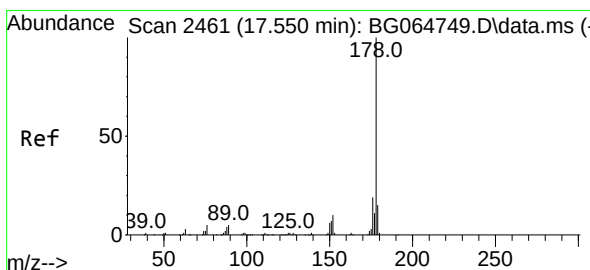
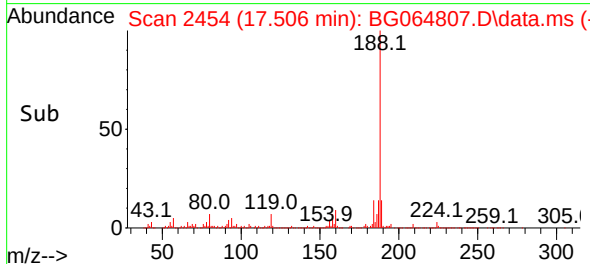
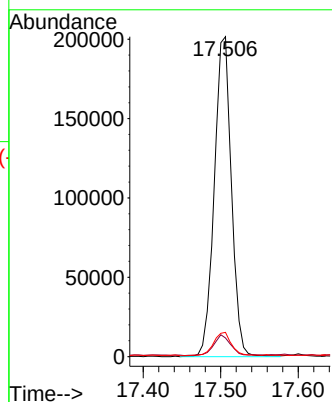
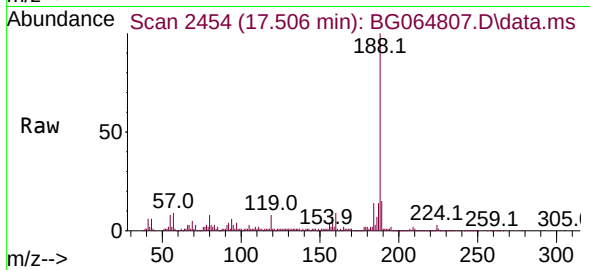
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2453
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 309153
Ion Ratio Lower Upper
188 100
94 5.8 4.7 7.1
80 7.6 5.4 8.2

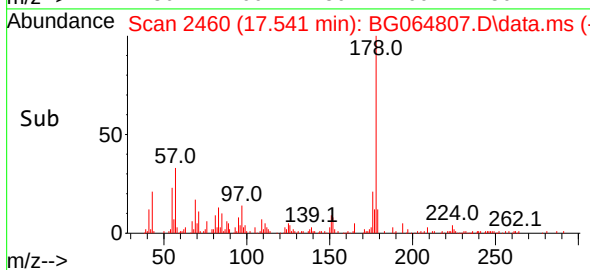
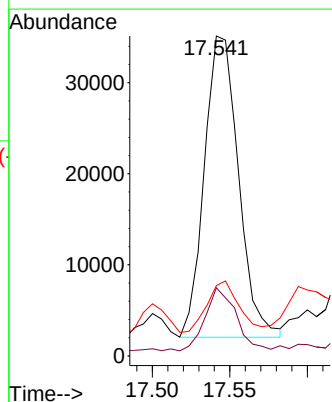
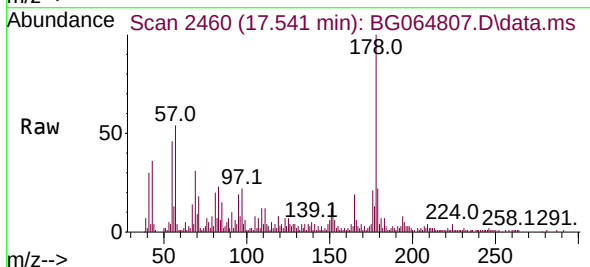
Manual Integrations
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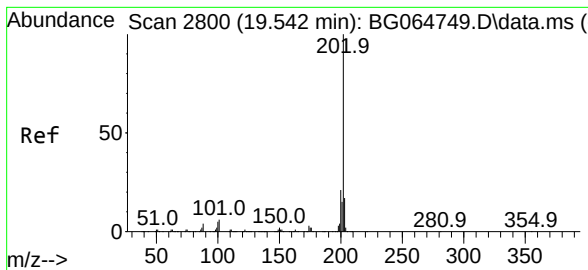
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#71
Phenanthrene
Concen: 3.006 ng
RT: 17.541 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

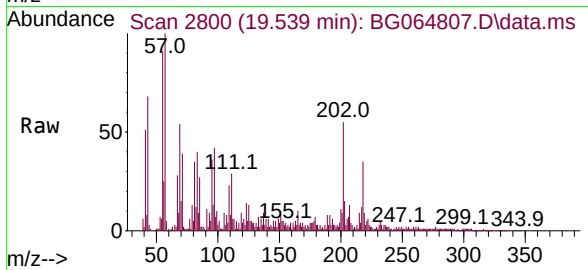
Tgt Ion:178 Resp: 50846
Ion Ratio Lower Upper
178 100
176 21.3 14.8 22.2
179 22.0 12.2 18.4#





#75
Fluoranthene
Concen: 5.222 ng
RT: 19.539 min Scan# 2800
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

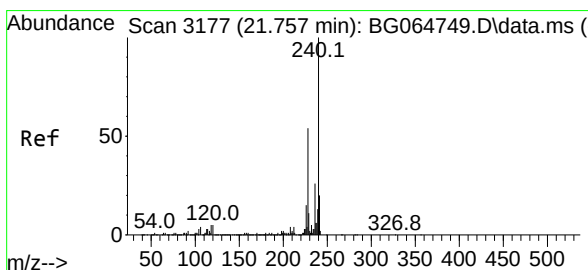
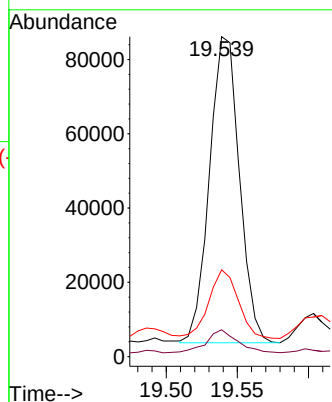
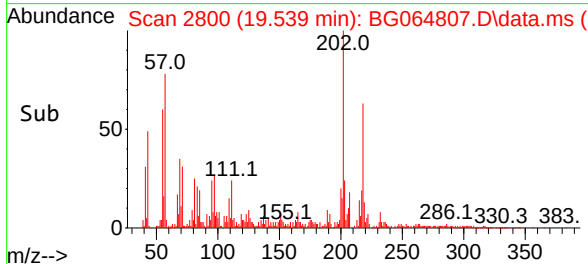
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 120785
Ion Ratio Lower Upper
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101 8.4 0.0 26.4
203 27.1 0.0 37.5

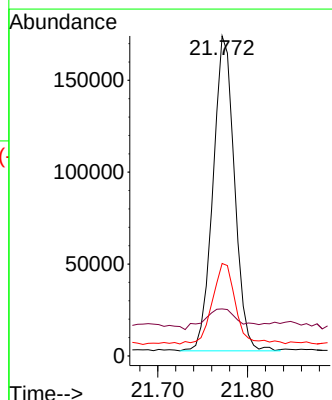
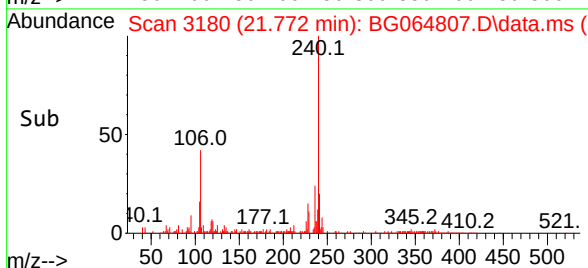
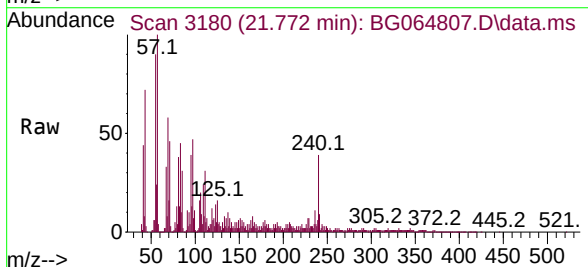
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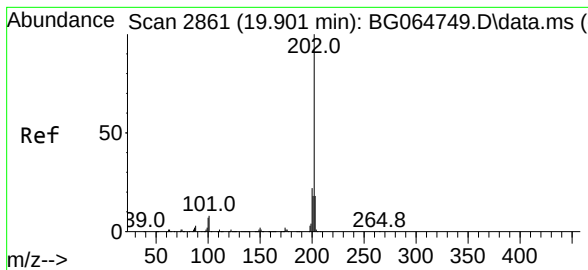
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.772 min Scan# 3180
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

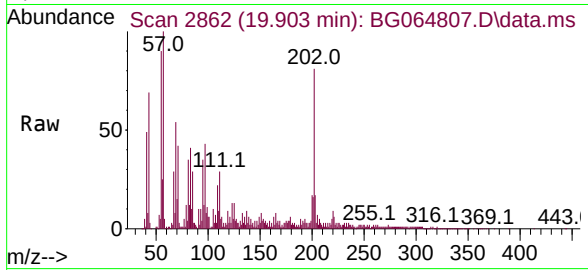
Tgt Ion:240 Resp: 284423
Ion Ratio Lower Upper
240 100
120 14.7 4.2 6.4#
236 28.9 20.8 31.2





#78
Pyrene
Concen: 16.832 ng
RT: 19.903 min Scan# 2862
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

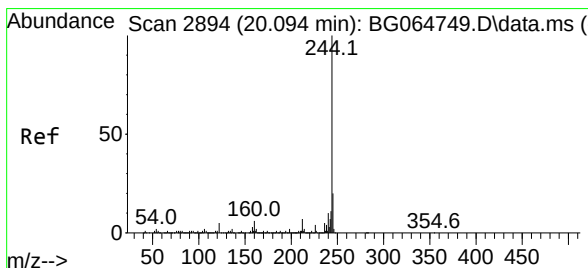
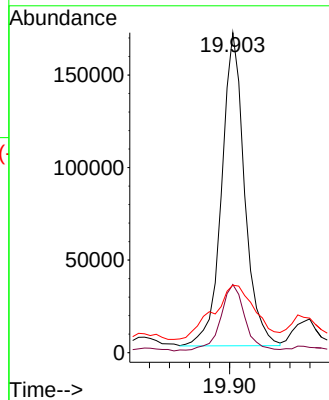
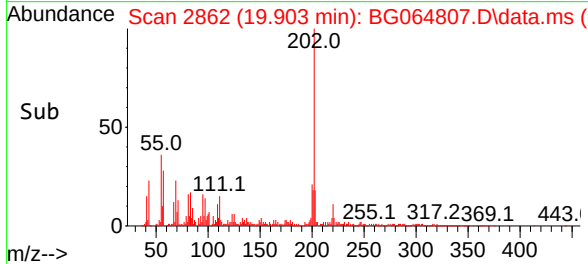
Instrument :
BNA_G
ClientSampleId :
TP-1



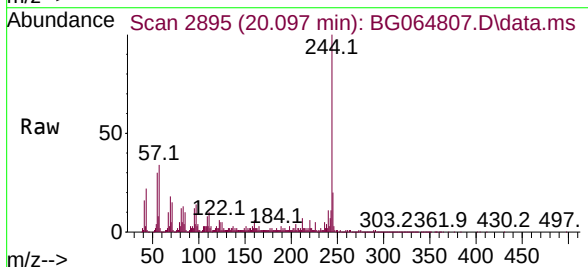
Tgt Ion:202 Resp: 268321
Ion Ratio Lower Upper
202 100
200 21.3 17.9 26.9
203 21.1 14.0 21.0

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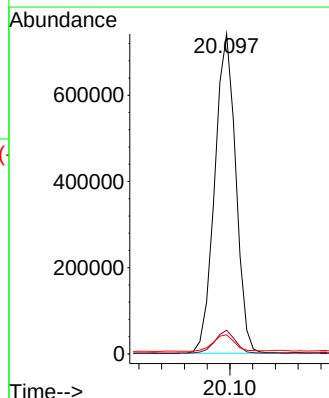
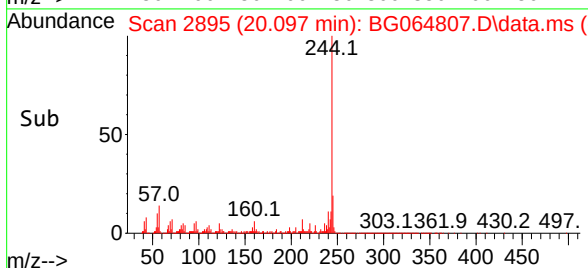
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025

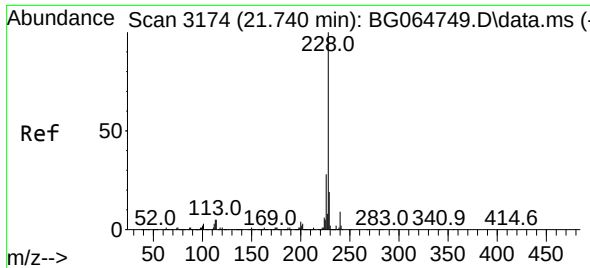


#79
Terphenyl-d14
Concen: 65.908 ng
RT: 20.097 min Scan# 2895
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42



Tgt Ion:244 Resp: 952971
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 6.0 4.3 6.5





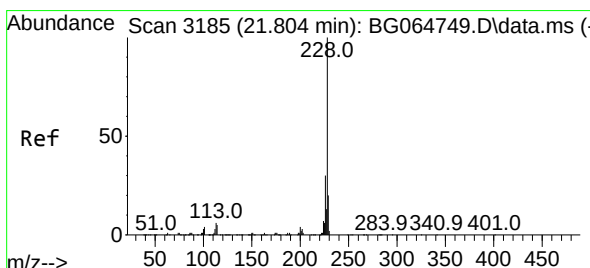
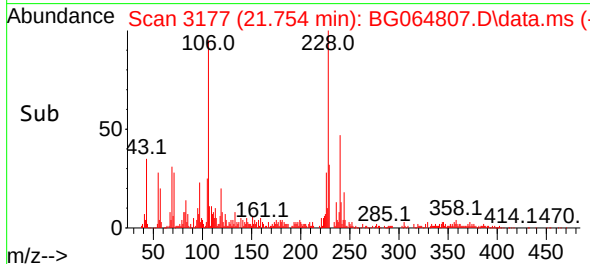
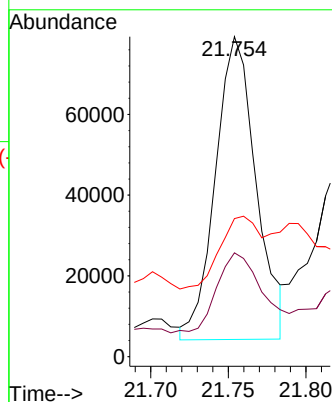
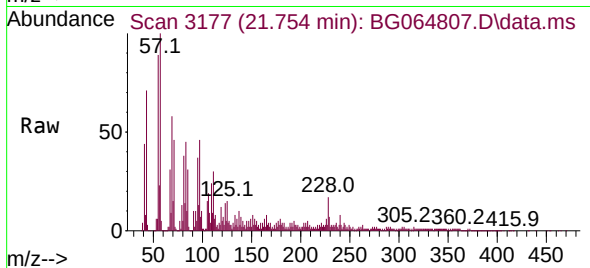
#81
Benzo(a)anthracene
Concen: 7.092 ng
RT: 21.754 min Scan# 3177
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Instrument :
BNA_G
ClientSampleId :
TP-1

Tgt Ion:228 Resp: 137150
Ion Ratio Lower Upper
228 100
226 32.4 22.1 33.1
229 43.1 15.5 23.3

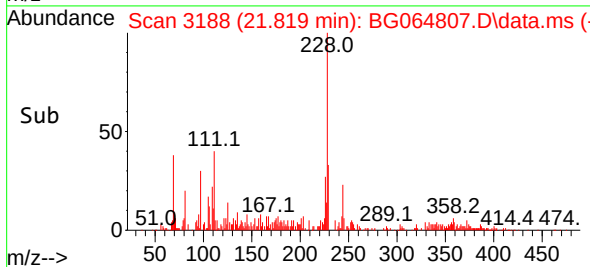
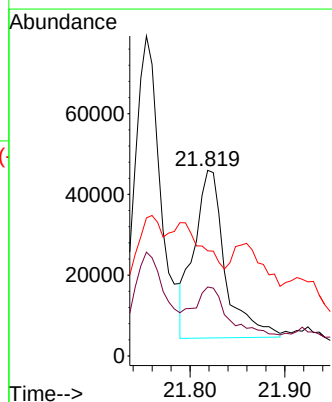
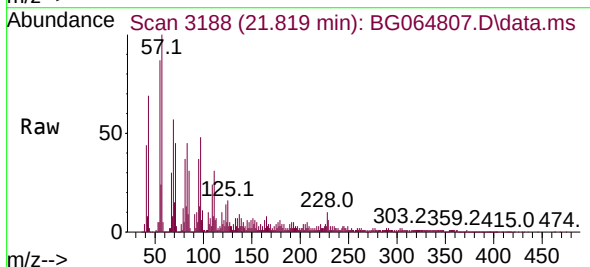
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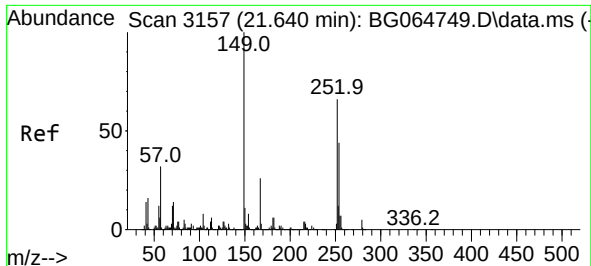
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#83
Chrysene
Concen: 5.194 ng
RT: 21.819 min Scan# 3188
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

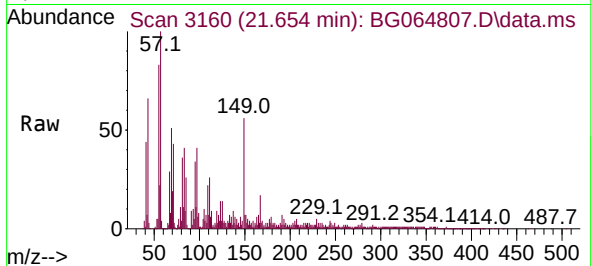
Tgt Ion:228 Resp: 94697
Ion Ratio Lower Upper
228 100
226 37.2 24.2 36.2#
229 56.6 16.0 24.0#





#84
Bis(2-ethylhexyl)phthalate
Concen: 42.407 ng
RT: 21.654 min Scan# 3157
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

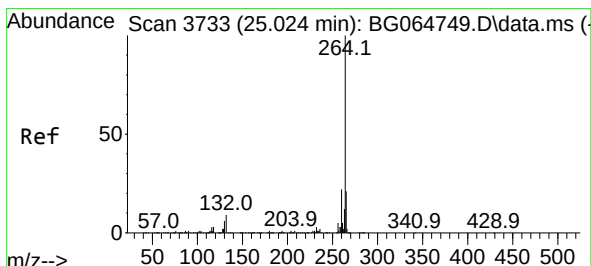
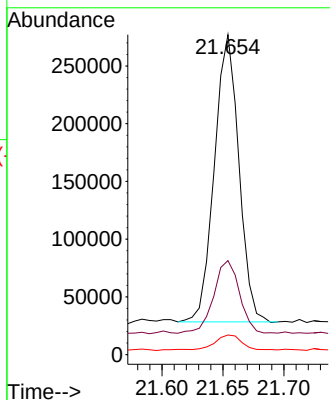
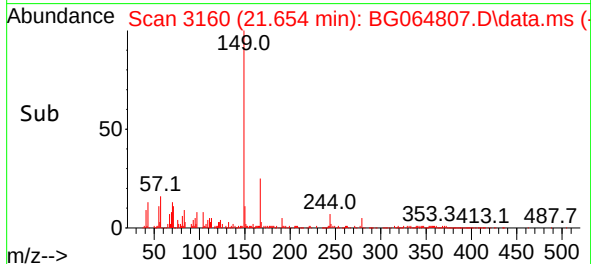
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:149 Resp: 347446
Ion Ratio Lower Upper
149 100
167 29.4 21.0 31.4
279 6.1 4.1 6.1

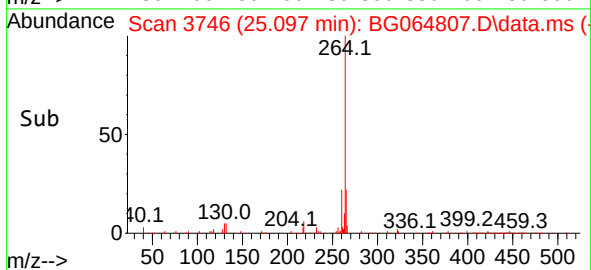
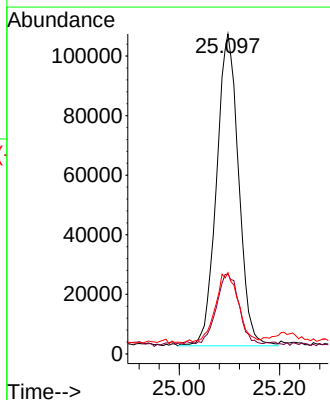
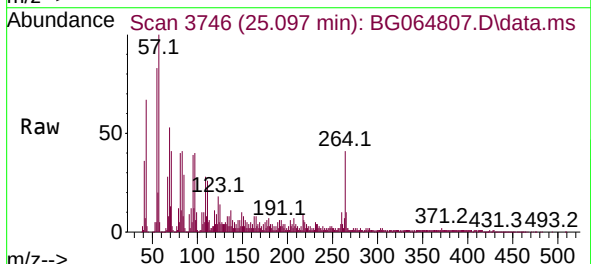
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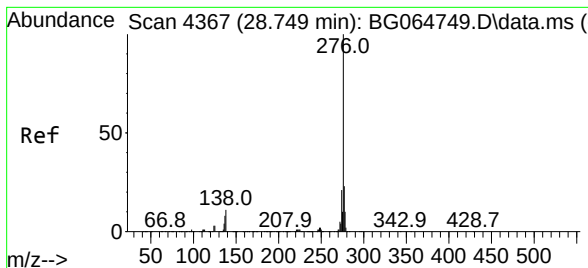
Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.097 min Scan# 3746
Delta R.T. 0.073 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:264 Resp: 319328
Ion Ratio Lower Upper
264 100
260 24.9 17.2 25.8
265 25.4 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.638 ng

RT: 28.881 min Scan# 4367

Delta R.T. 0.132 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

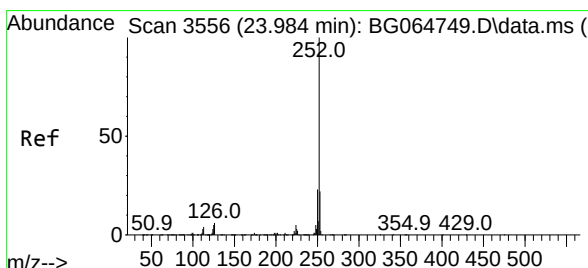
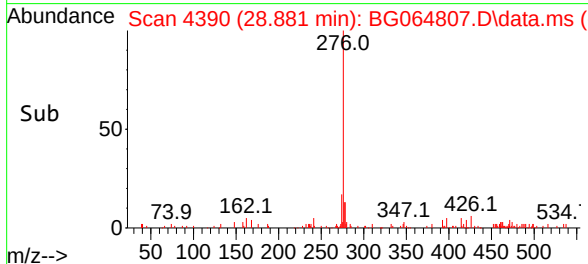
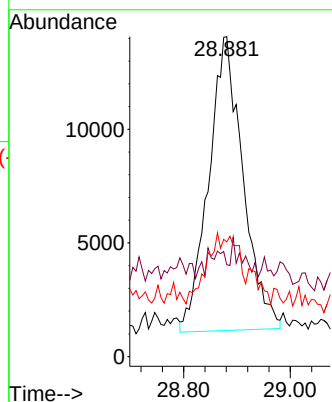
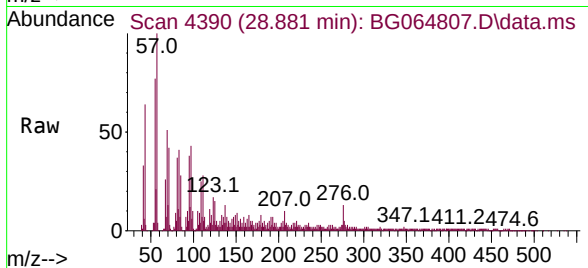
TP-1

Tgt Ion:276 Resp: 57884
 Ion Ratio Lower Upper
 276 100
 138 5.0 4.5 6.7
 277 0.0 20.0 30.0

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Reviewed By :Jagrut Upadhyay 11/19/2025
 Supervised By :Sohil Jodhani 11/19/2025



#88

Benzo(b)fluoranthene

Concen: 4.062 ng

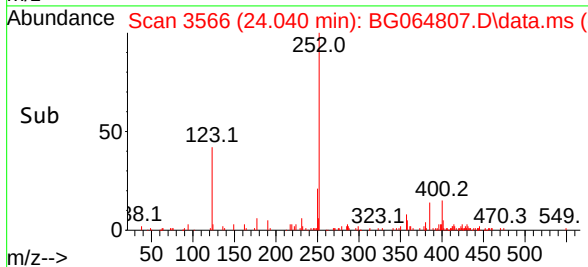
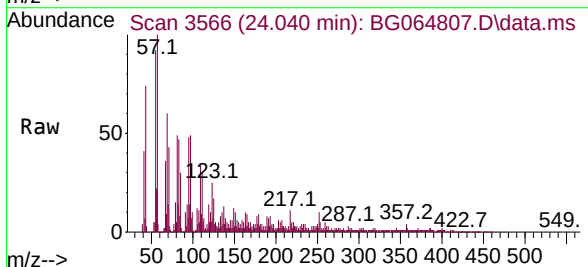
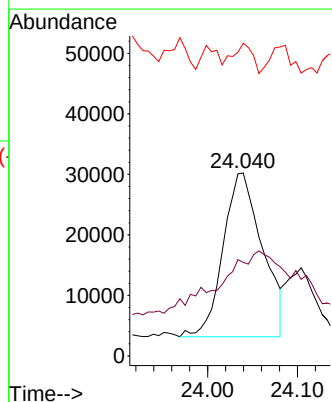
RT: 24.040 min Scan# 3566

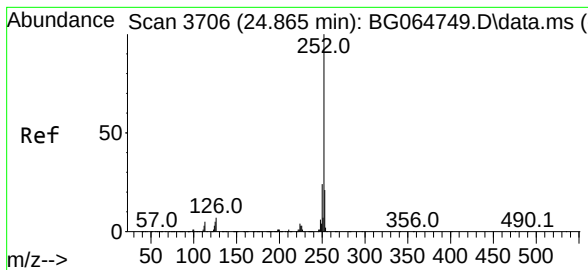
Delta R.T. 0.056 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

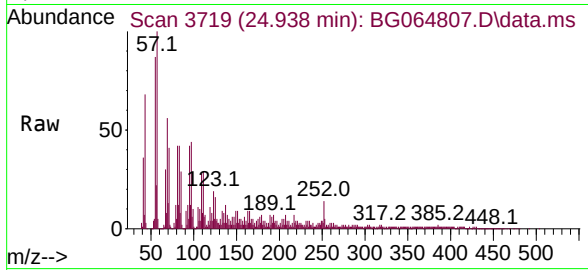
Tgt Ion:252 Resp: 82536
 Ion Ratio Lower Upper
 252 100
 253 51.1 17.4 26.2#
 125 170.9 4.2 6.2#





#90
Benzo(a)pyrene
Concen: 5.557 ng
RT: 24.938 min Scan# 3719
Delta R.T. 0.073 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

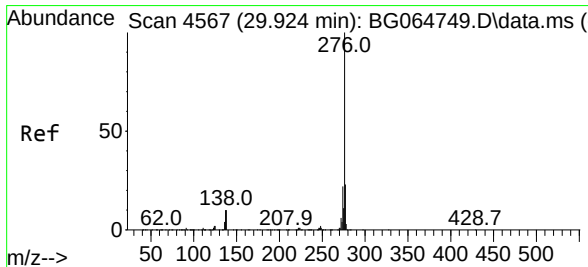
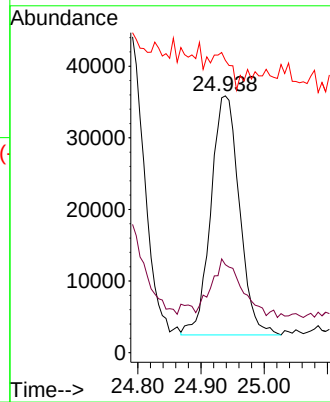
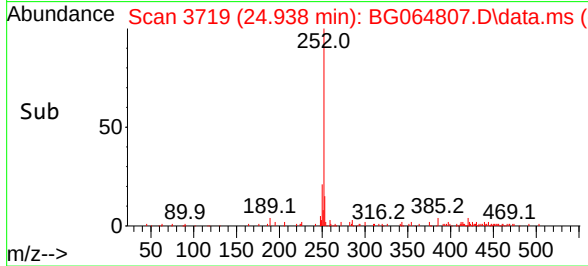
Instrument :
BNA_G
ClientSampleId :
TP-1



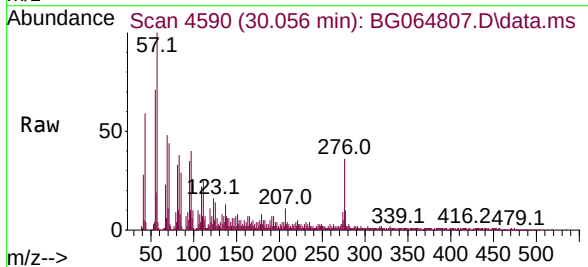
Tgt Ion:252 Resp: 104755
Ion Ratio Lower Upper
252 100
253 34.2 16.9 25.3#
125 113.9 4.2 6.4#

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Reviewed By :Jagrut Upadhyay 11/19/2025
Supervised By :Sohil Jodhani 11/19/2025



#92
Benzo(g,h,i)perylene
Concen: 9.536 ng
RT: 30.056 min Scan# 4590
Delta R.T. 0.132 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42



Tgt Ion:276 Resp: 164944
Ion Ratio Lower Upper
276 100
277 27.4 18.0 27.0#
138 18.9 8.2 12.2#

