

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064765.D
 Acq On : 13 Nov 2025 20:46
 Operator : RC/JU
 Sample : Q3614-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025

Quant Time: Nov 14 05:03:59 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	8.165	152	33950	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	129288	20.000	ng	0.00
39) Acenaphthene-d10	14.775	164	100182	20.000	ng	0.00
64) Phenanthrene-d10	17.501	188	242440	20.000	ng	0.00
76) Chrysene-d12	21.749	240	310729	20.000	ng	0.00
86) Perylene-d12	25.010	264	334431	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.697	112	145386	74.779	ng	0.00
7) Phenol-d6	7.307	99	190994	73.861	ng	0.00
23) Nitrobenzene-d5	9.322	82	122222	46.741	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	138761	71.019	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	333868	46.501	ng	0.00
79) Terphenyl-d14	20.086	244	757598	47.960	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.839	154	15045	2.591	ng	95
58) Fluorene	15.814	166	17694	2.350	ng	96
71) Phenanthrene	17.542	178	212326	16.007	ng	98
72) Anthracene	17.630	178	56878	4.205	ng	97
75) Fluoranthene	19.534	202	226323	12.477	ng	99
78) Pyrene	19.892	202	206147	11.837	ng	98
81) Benzo(a)anthracene	21.731	228	118317	5.600	ng	98
83) Chrysene	21.796	228	98914m	4.966	ng	
87) Indeno(1,2,3-cd)pyrene	28.723	276	53897	2.346	ng	# 98
88) Benzo(b)fluoranthene	23.975	252	114929	5.400	ng	98
90) Benzo(a)pyrene	24.845	252	90542	4.586	ng	98
92) Benzo(g,h,i)perylene	29.874	276	48999	2.705	ng	# 96

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

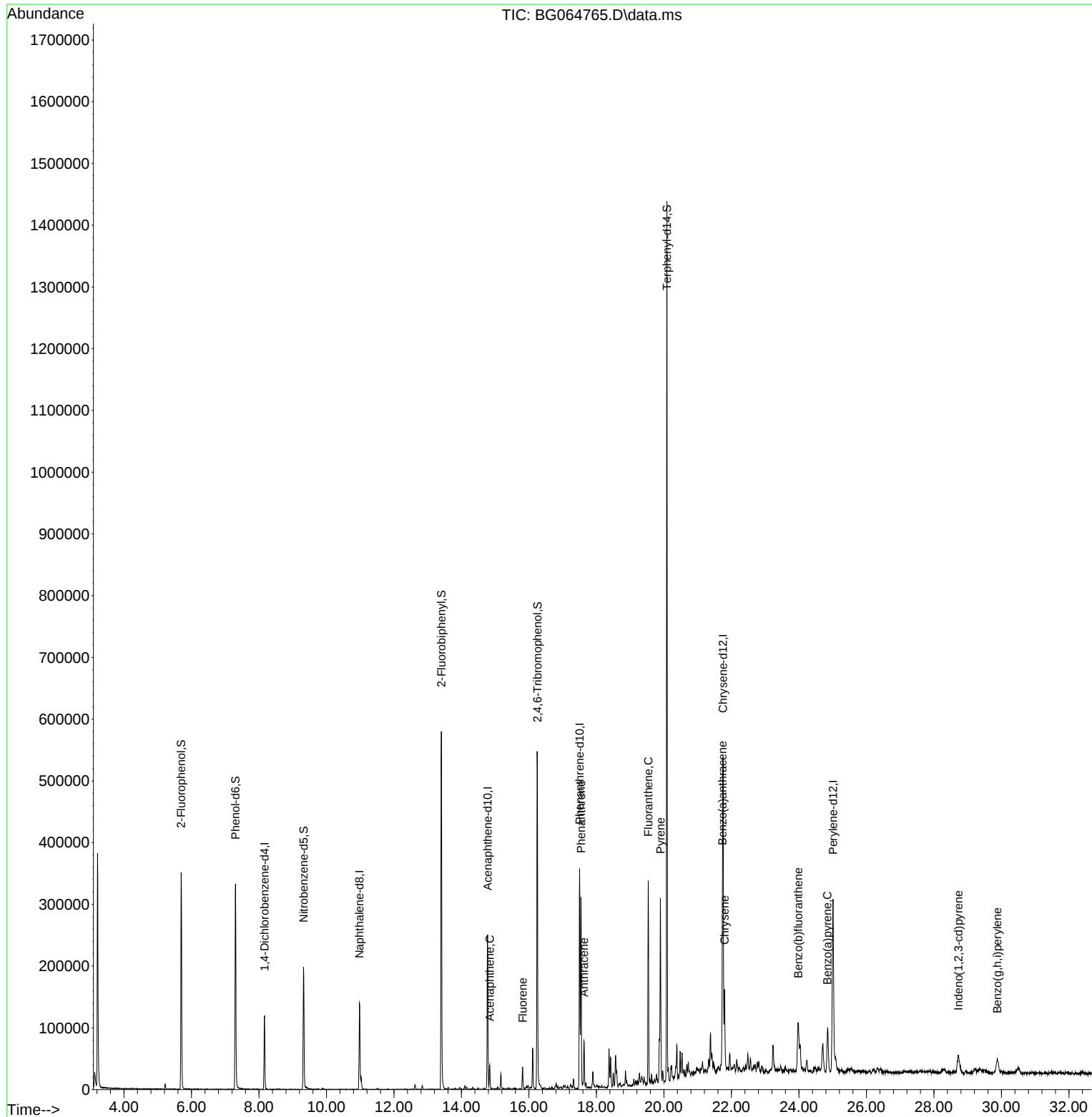
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
Data File : BG064765.D
Acq On : 13 Nov 2025 20:46
Operator : RC/JU
Sample : Q3614-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

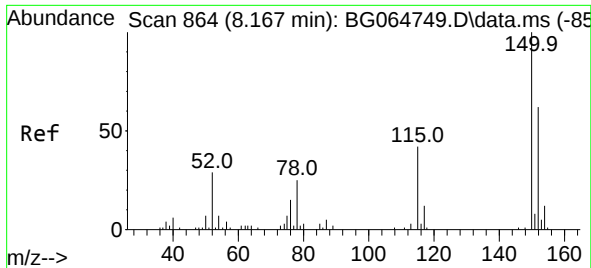
Instrument :
BNA_G
ClientSampleId :
COMP-2

Quant Time: Nov 14 05:03:59 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

Manual Integrations
APPROVED

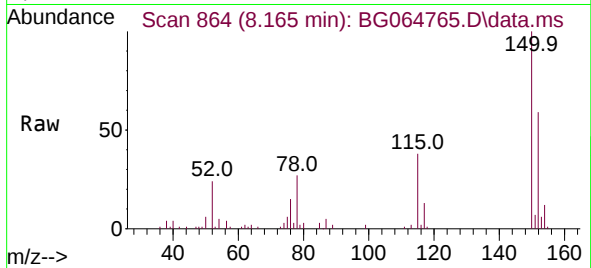
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 864
 Delta R.T. -0.002 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46

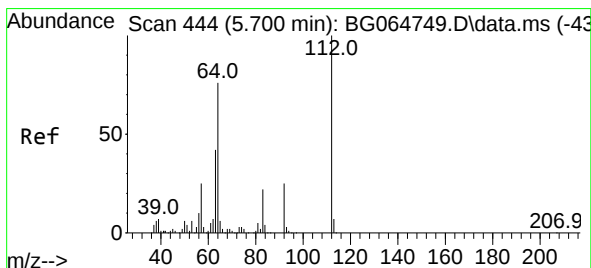
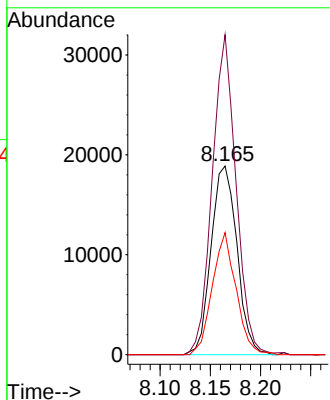
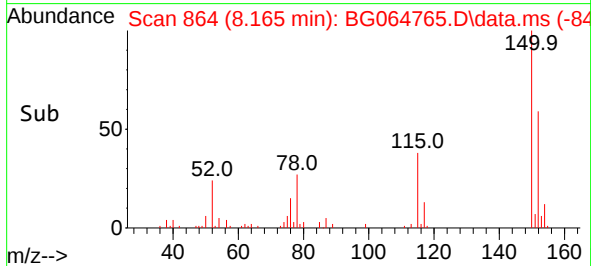
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2



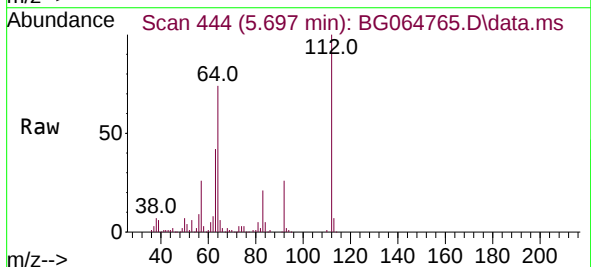
Tgt Ion:152 Resp: 33950
 Ion Ratio Lower Upper
 152 100
 150 169.7 129.2 193.8
 115 64.7 53.7 80.5

Manual Integrations
 APPROVED

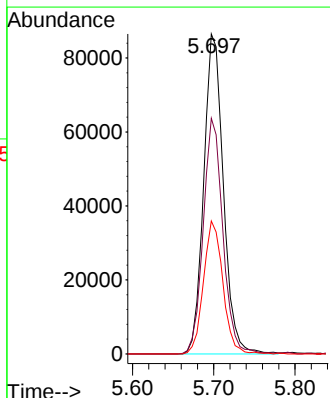
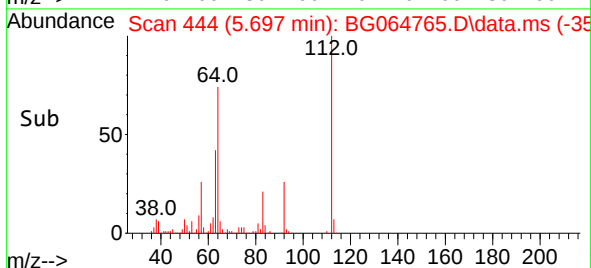
Reviewed By :Jagrut Upadhyay 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025

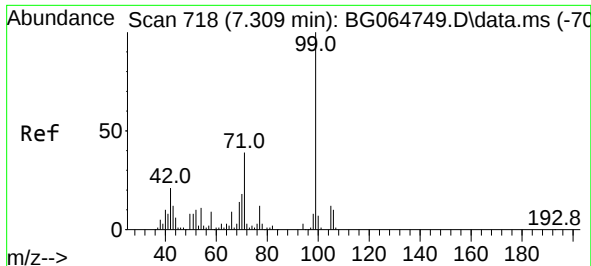


#5
 2-Fluorophenol
 Concen: 74.779 ng
 RT: 5.697 min Scan# 444
 Delta R.T. -0.003 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46



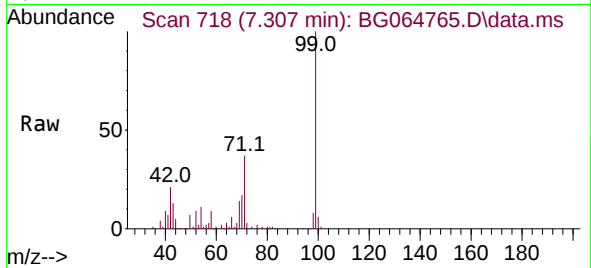
Tgt Ion:112 Resp: 145386
 Ion Ratio Lower Upper
 112 100
 64 73.6 61.0 91.4
 63 41.5 33.3 49.9





#7
Phenol-d6
Concen: 73.861 ng
RT: 7.307 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

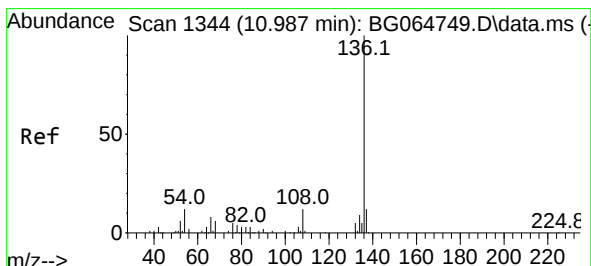
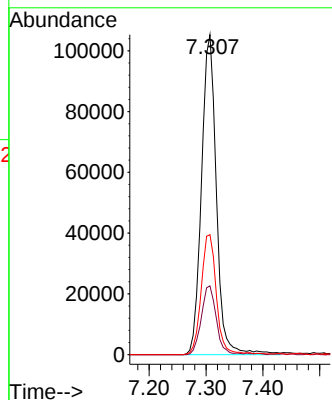
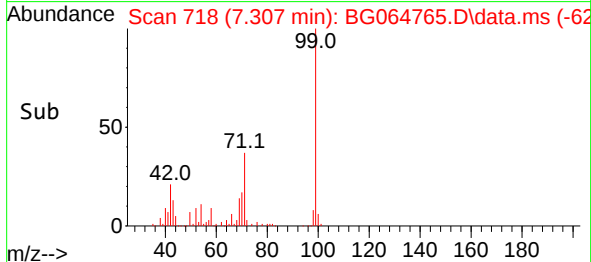
Instrument :
BNA_G
ClientSampleId :
COMP-2



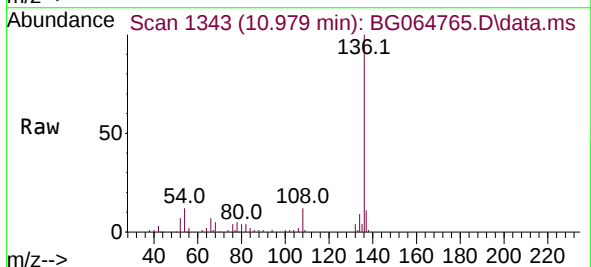
Tgt Ion: 99 Resp: 190994
Ion Ratio Lower Upper
99 100
42 21.5 16.8 25.2
71 37.5 31.1 46.7

Manual Integrations
APPROVED

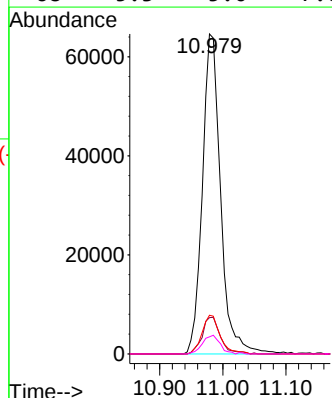
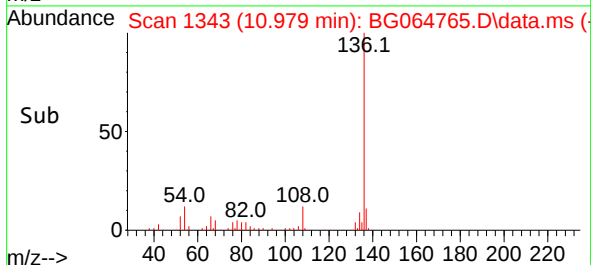
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1343
Delta R.T. -0.008 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46



Tgt Ion:136 Resp: 129288
Ion Ratio Lower Upper
136 100
137 11.3 9.3 13.9
54 12.1 9.3 13.9
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 46.741 ng

RT: 9.322 min Scan# 1062

Delta R.T. -0.009 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

Instrument :

BNA_G

ClientSampleId :

COMP-2

Tgt Ion: 82 Resp: 12222

Ion Ratio Lower Upper

82 100

128 39.7 34.1 51.1

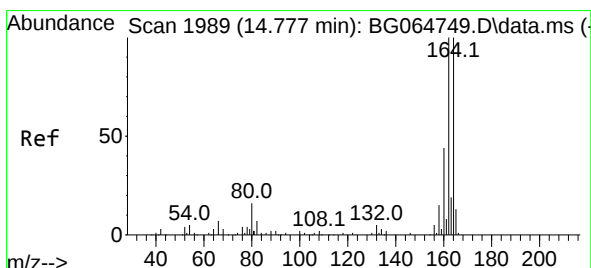
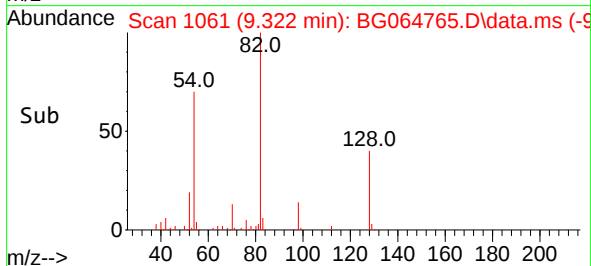
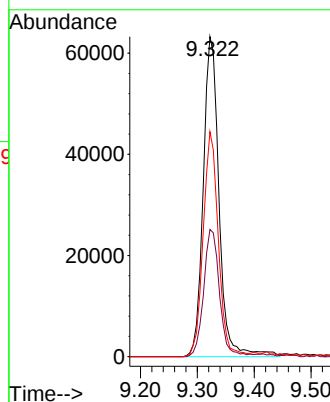
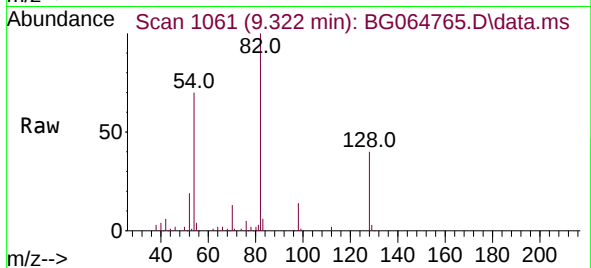
54 70.3 54.3 81.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025

Supervised By :Sohil Jodhani 11/14/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.775 min Scan# 1989

Delta R.T. -0.003 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

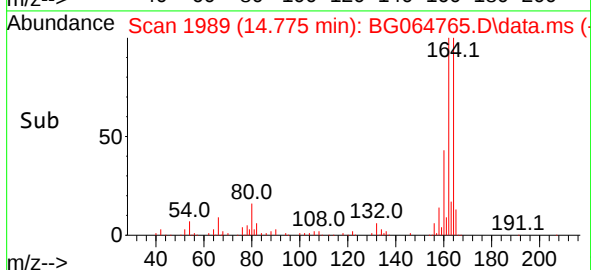
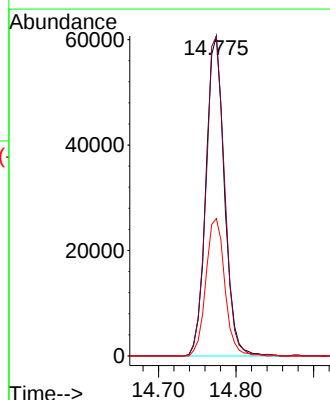
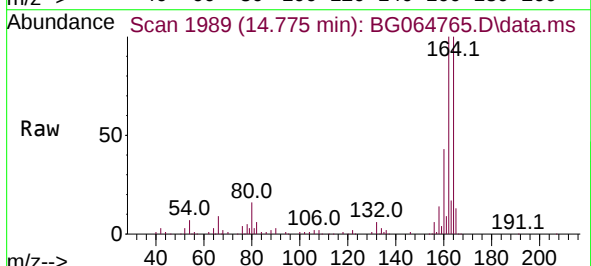
Tgt Ion:164 Resp: 100182

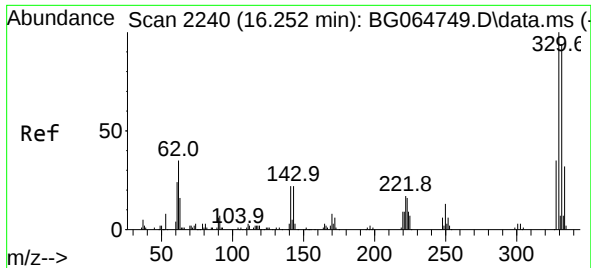
Ion Ratio Lower Upper

164 100

162 99.9 79.8 119.6

160 42.9 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 71.019 ng
RT: 16.249 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

Instrument :

BNA_G

ClientSampleId :

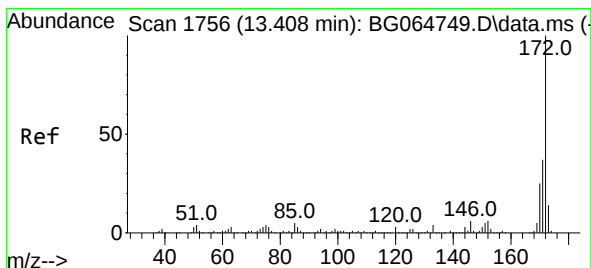
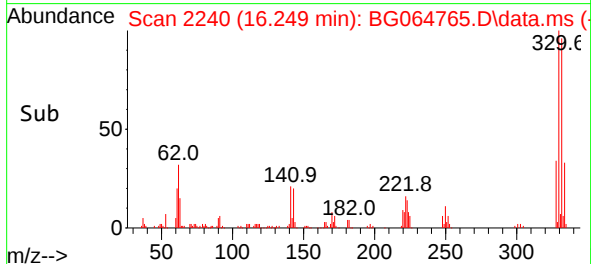
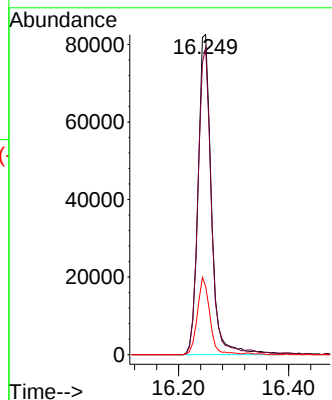
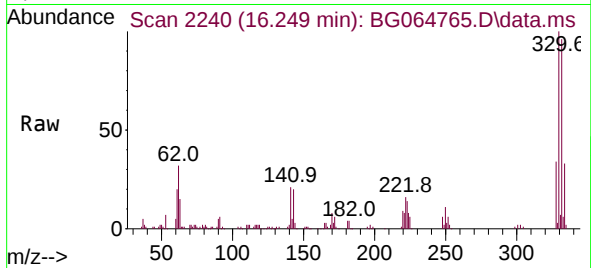
COMP-2

Tgt Ion:330 Resp: 138763
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.6
141 22.4 18.2 27.2

Manual Integrations

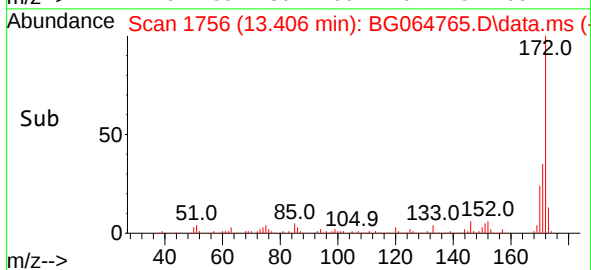
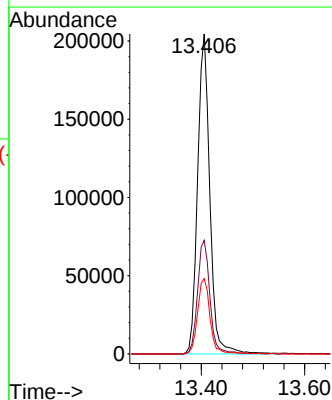
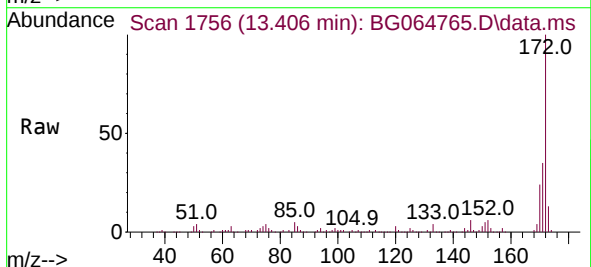
APPROVED

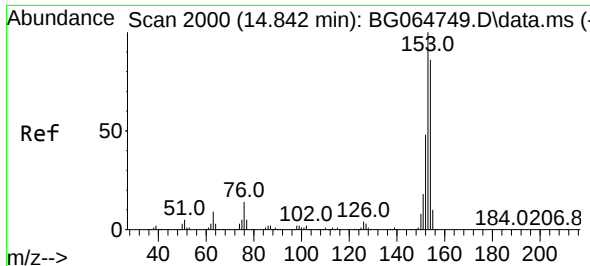
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#45
2-Fluorobiphenyl
Concen: 46.501 ng
RT: 13.406 min Scan# 1756
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

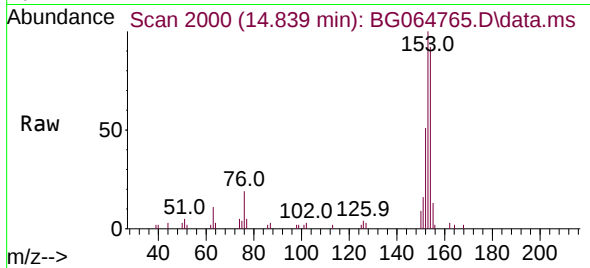
Tgt Ion:172 Resp: 333868
Ion Ratio Lower Upper
172 100
171 35.5 29.9 44.9
170 23.5 19.8 29.6





#52
Acenaphthene
Concen: 2.591 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

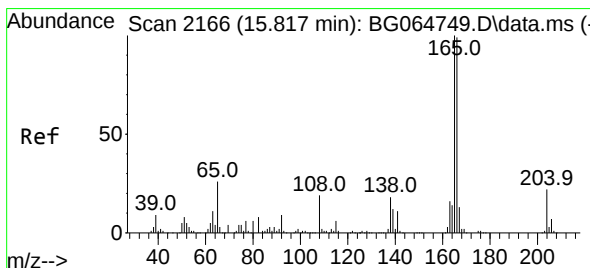
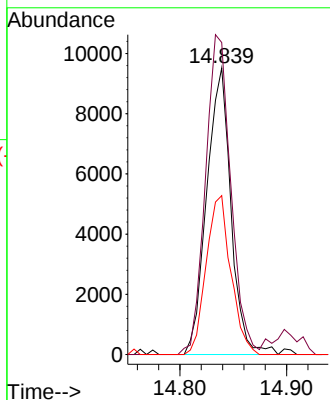
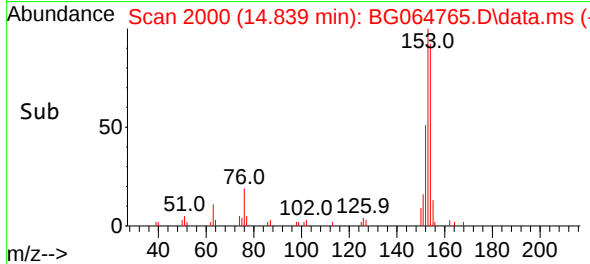
Instrument :
BNA_G
ClientSampleId :
COMP-2



Tgt Ion:154 Resp: 15045
Ion Ratio Lower Upper
154 100
153 108.9 93.0 139.4
152 55.4 44.4 66.6

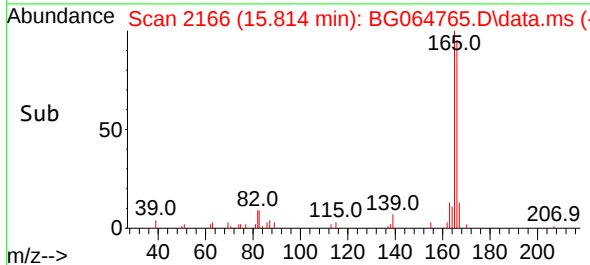
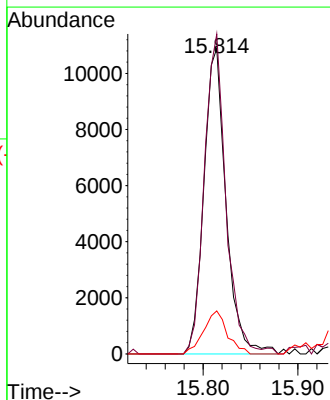
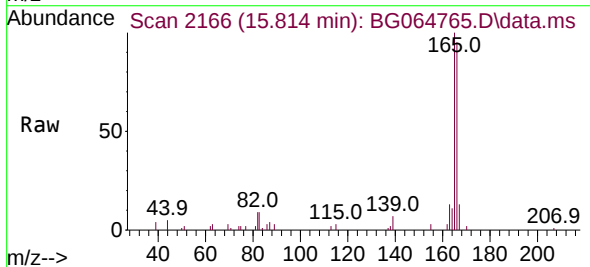
Manual Integrations
APPROVED

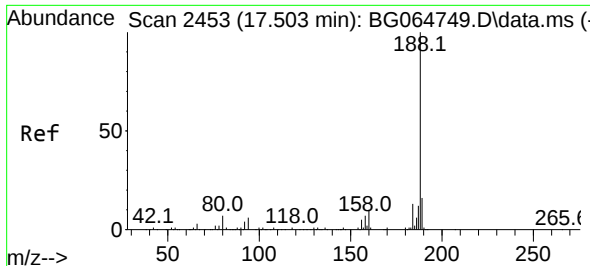
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#58
Fluorene
Concen: 2.350 ng
RT: 15.814 min Scan# 2166
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

Tgt Ion:166 Resp: 17694
Ion Ratio Lower Upper
166 100
165 104.7 80.5 120.7
167 14.1 10.3 15.5





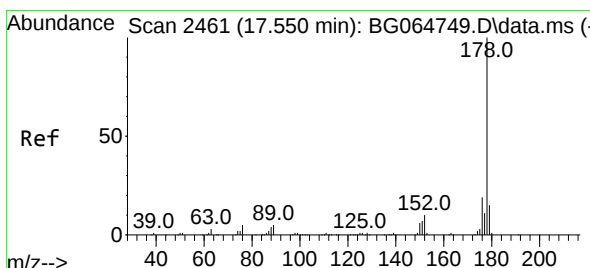
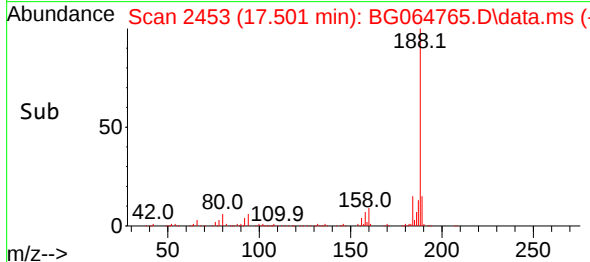
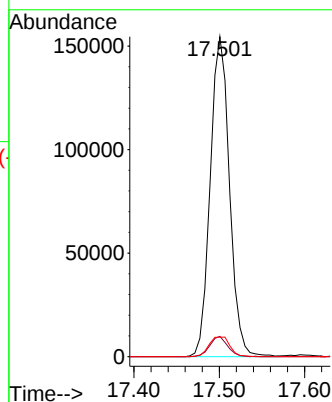
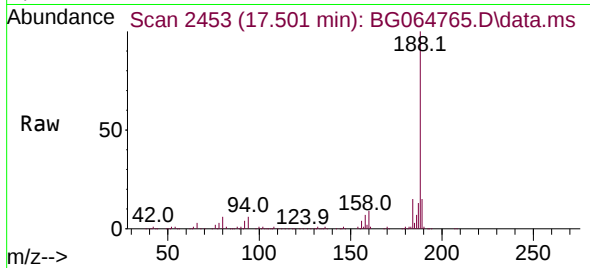
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.501 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:188 Resp: 242440
Ion Ratio Lower Upper
188 100
94 6.3 4.7 7.1
80 6.1 5.4 8.2

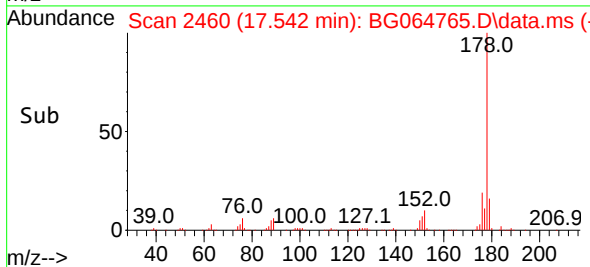
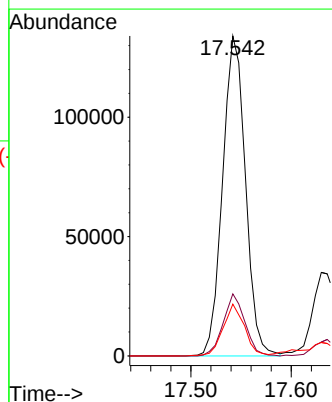
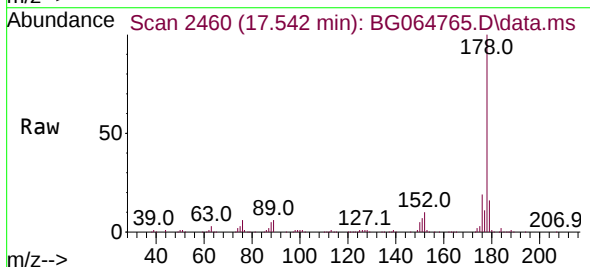
Manual Integrations
APPROVED

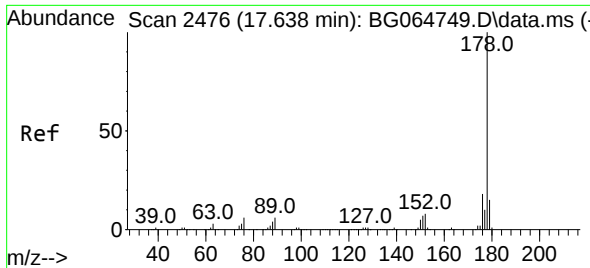
Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#71
Phenanthrene
Concen: 16.007 ng
RT: 17.542 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

Tgt Ion:178 Resp: 212326
Ion Ratio Lower Upper
178 100
176 19.4 14.8 22.2
179 16.2 12.2 18.4





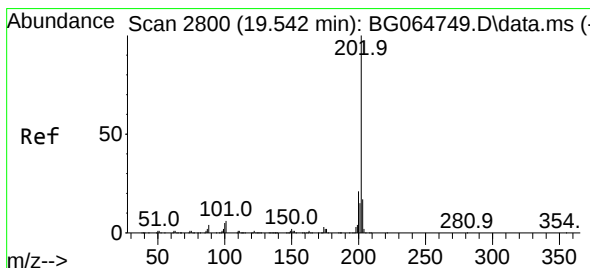
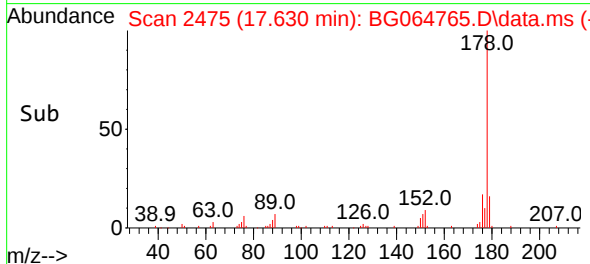
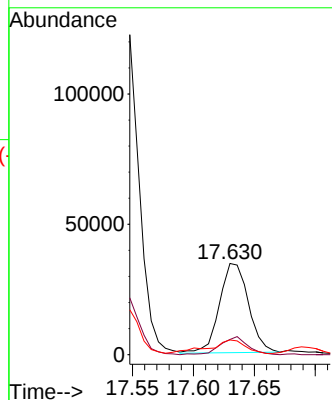
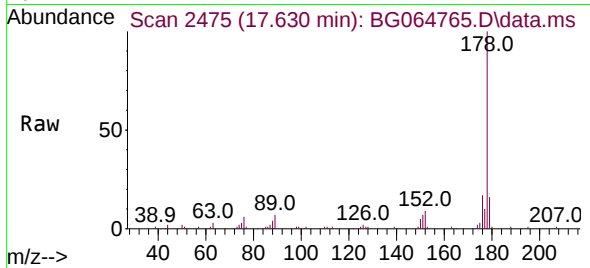
#72
 Anthracene
 Concen: 4.205 ng
 RT: 17.630 min Scan# 2476
 Delta R.T. -0.009 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Tgt Ion:178 Resp: 56878
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.5 21.7
 179 16.0 12.2 18.4

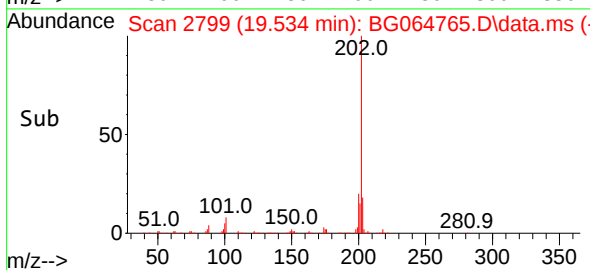
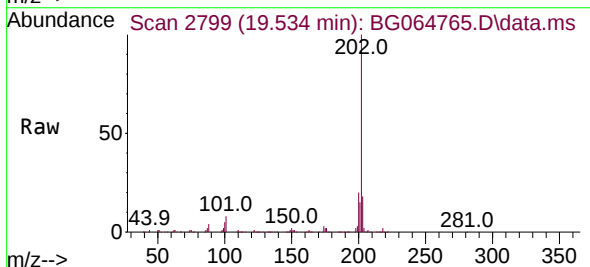
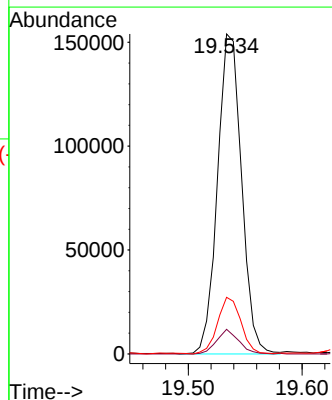
Manual Integrations
 APPROVED

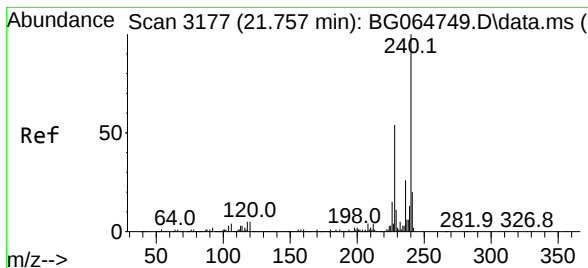
Reviewed By :Jagrut Upadhyay 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025



#75
 Fluoranthene
 Concen: 12.477 ng
 RT: 19.534 min Scan# 2799
 Delta R.T. -0.009 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46

Tgt Ion:202 Resp: 226323
 Ion Ratio Lower Upper
 202 100
 101 7.7 0.0 26.4
 203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.749 min Scan# 3177

Delta R.T. -0.009 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

Instrument :

BNA_G

ClientSampleId :

COMP-2

Tgt Ion:240 Resp: 310729

Ion Ratio Lower Upper

240 100

120 5.0 4.2 6.4

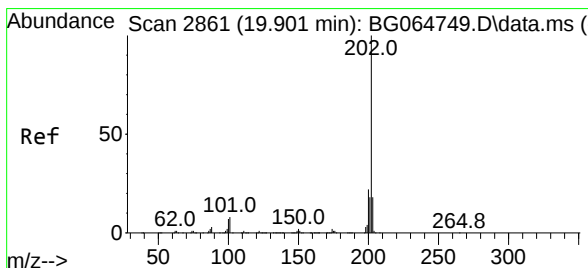
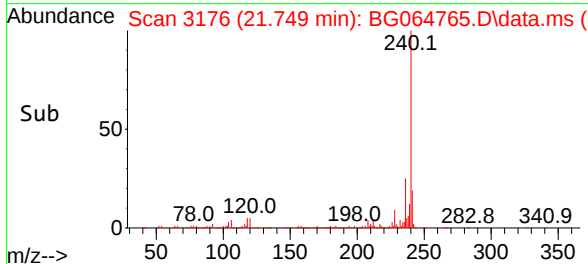
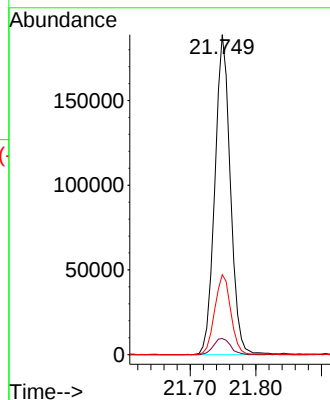
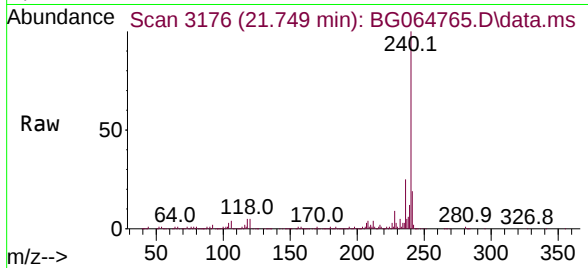
236 25.0 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025

Supervised By :Sohil Jodhani 11/14/2025



#78

Pyrene

Concen: 11.837 ng

RT: 19.892 min Scan# 2860

Delta R.T. -0.009 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

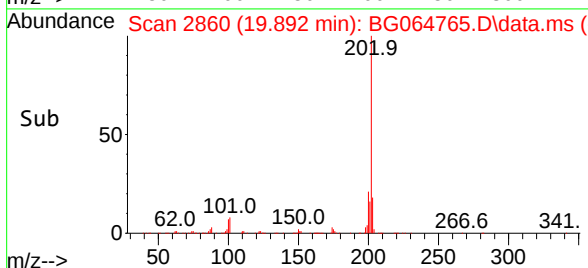
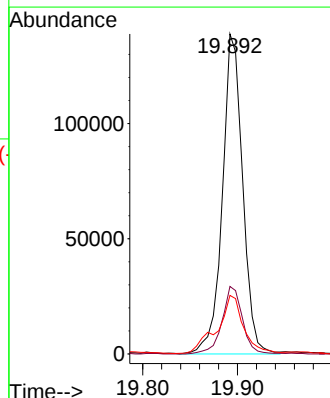
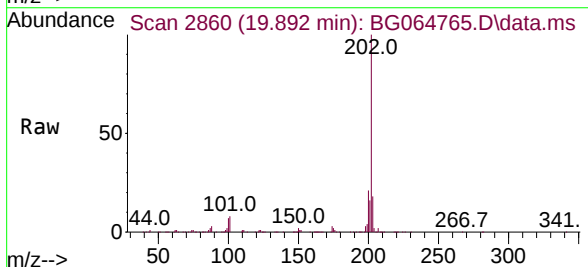
Tgt Ion:202 Resp: 206147

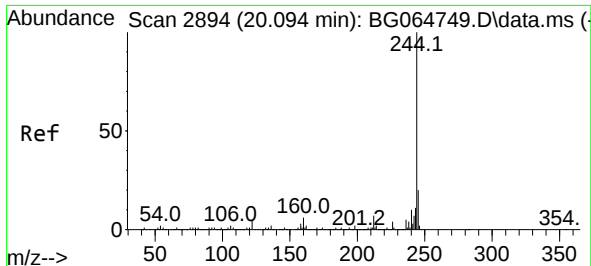
Ion Ratio Lower Upper

202 100

200 21.1 17.9 26.9

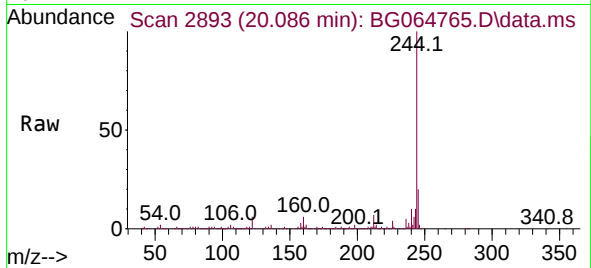
203 18.3 14.0 21.0





#79
 Terphenyl-d14
 Concen: 47.960 ng
 RT: 20.086 min Scan# 2894
 Delta R.T. -0.009 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46

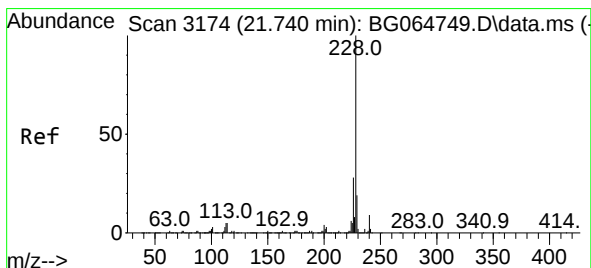
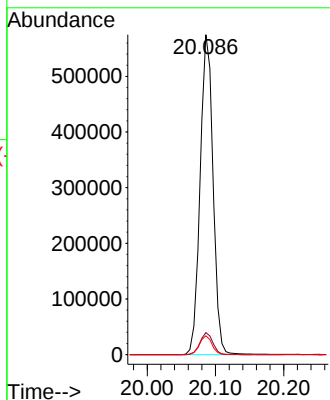
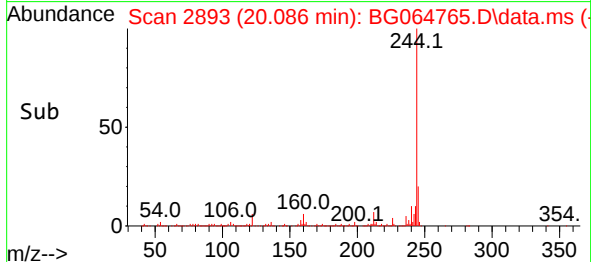
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2



Tgt Ion:244 Resp: 757598
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 5.9 4.3 6.5

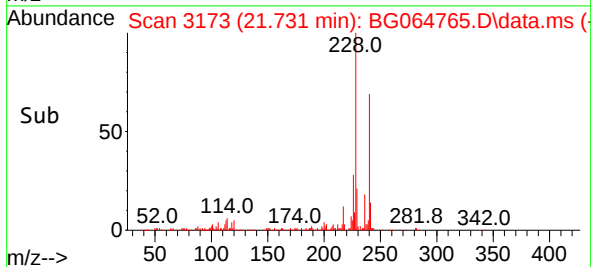
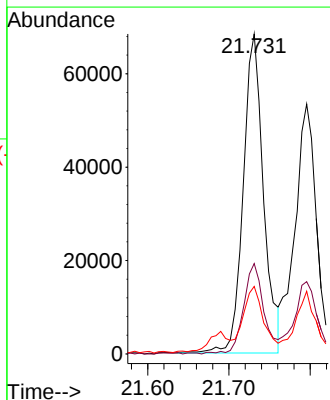
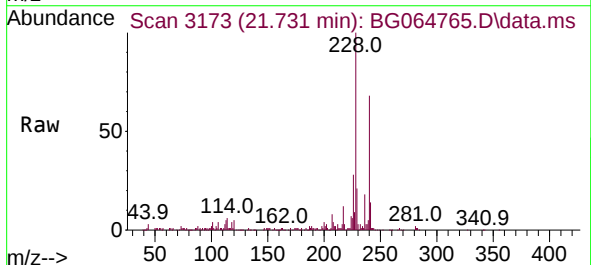
Manual Integrations
 APPROVED

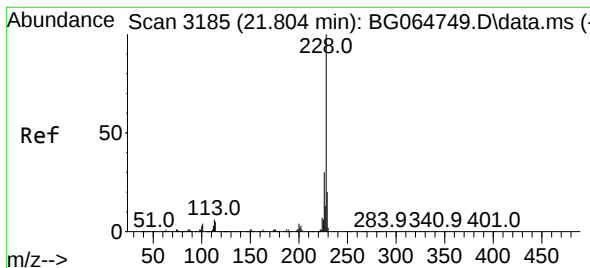
Reviewed By :Jagrut Upadhyay 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025



#81
 Benzo(a)anthracene
 Concen: 5.600 ng
 RT: 21.731 min Scan# 3173
 Delta R.T. -0.009 min
 Lab File: BG064765.D
 Acq: 13 Nov 2025 20:46

Tgt Ion:228 Resp: 118317
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 21.1 15.5 23.3





#83

Chrysene

Concen: 4.966 ng m

RT: 21.796 min Scan# 3184

Delta R.T. -0.009 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

Instrument :

BNA_G

ClientSampleId :

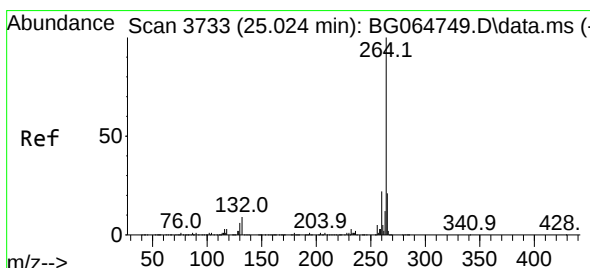
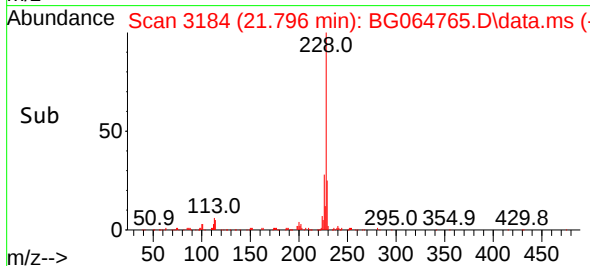
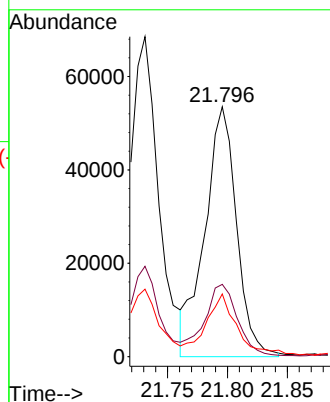
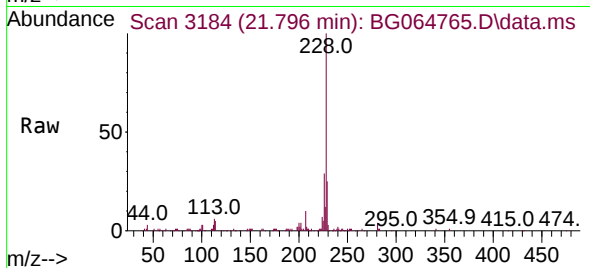
COMP-2

Tgt Ion:	228	Resp:	98914
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.2	36.2
229	25.1	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#86

Perylene-d12

Concen: 20.000 ng

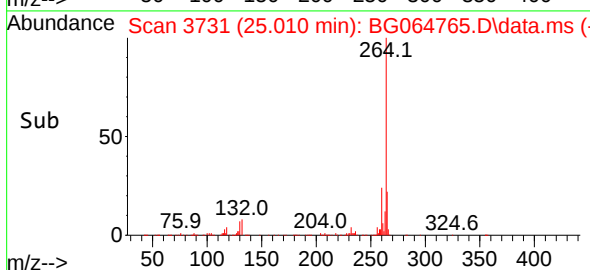
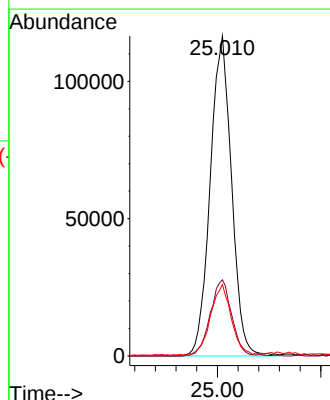
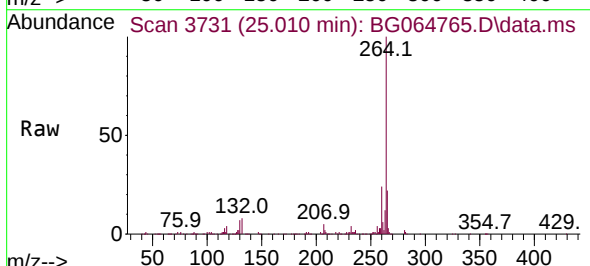
RT: 25.010 min Scan# 3731

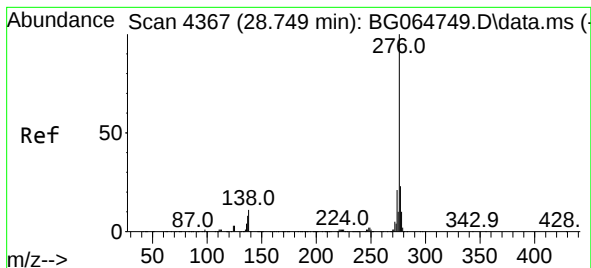
Delta R.T. -0.014 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

Tgt Ion:	264	Resp:	334431
Ion Ratio	Lower	Upper	
264	100		
260	23.8	17.2	25.8
265	22.3	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.346 ng

RT: 28.723 min Scan# 4367

Delta R.T. -0.026 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

Instrument :

BNA_G

ClientSampleId :

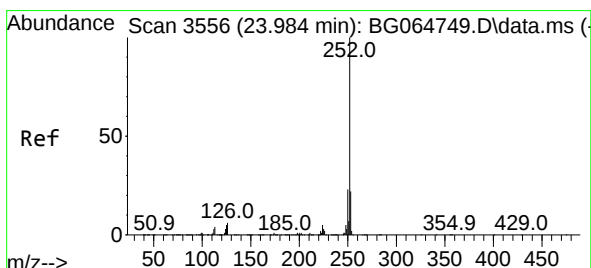
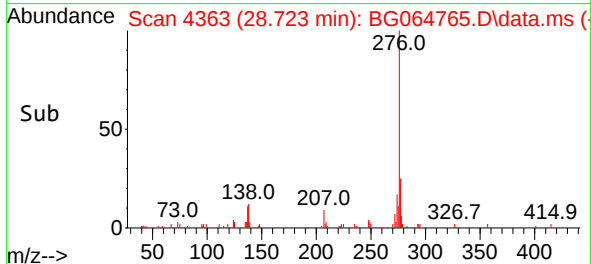
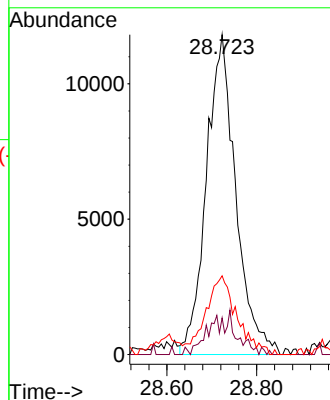
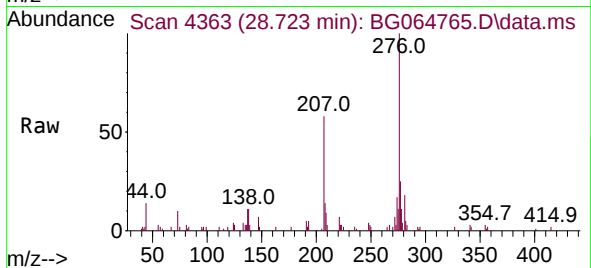
COMP-2

Tgt Ion:276 Resp: 53897
 Ion Ratio Lower Upper
 276 100
 138 6.9 4.5 6.7
 277 26.0 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
 Supervised By :Sohil Jodhani 11/14/2025



#88

Benzo(b)fluoranthene

Concen: 5.400 ng

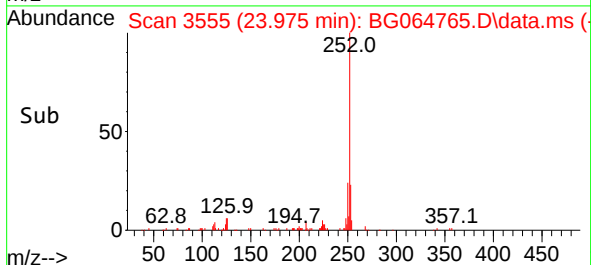
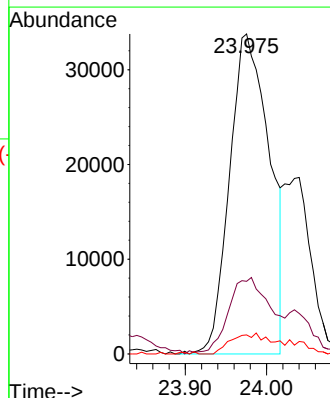
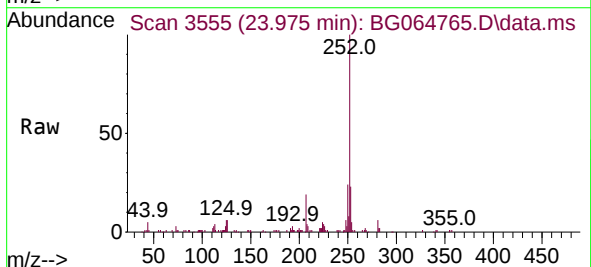
RT: 23.975 min Scan# 3555

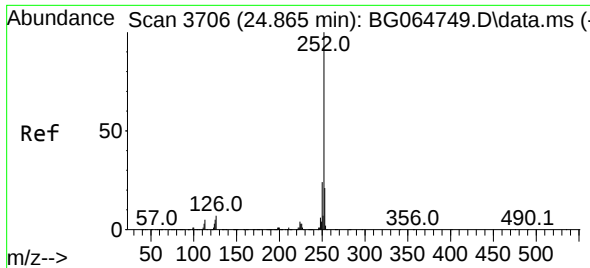
Delta R.T. -0.009 min

Lab File: BG064765.D

Acq: 13 Nov 2025 20:46

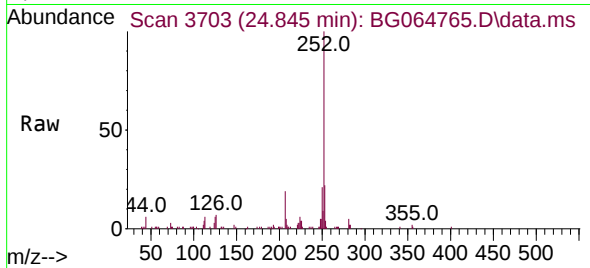
Tgt Ion:252 Resp: 114929
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.4 26.2
 125 5.9 4.2 6.2





#90
Benzo(a)pyrene
Concen: 4.586 ng
RT: 24.845 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46

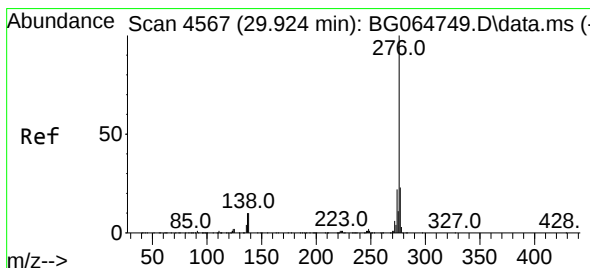
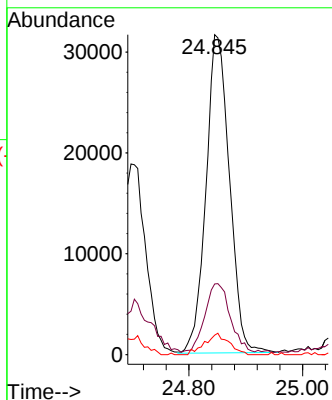
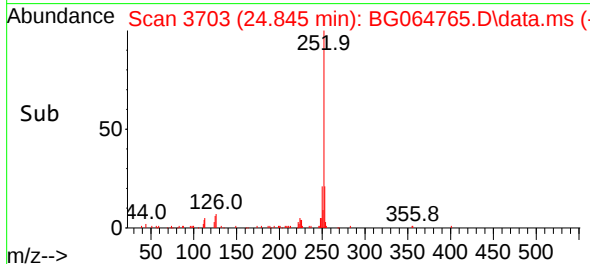
Instrument :
BNA_G
ClientSampleId :
COMP-2



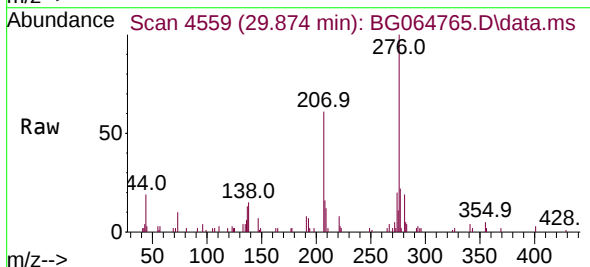
Tgt Ion:252 Resp: 90542
Ion Ratio Lower Upper
252 100
253 22.1 16.9 25.3
125 6.1 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/14/2025
Supervised By :Sohil Jodhani 11/14/2025



#92
Benzo(g,h,i)perylene
Concen: 2.705 ng
RT: 29.874 min Scan# 4559
Delta R.T. -0.050 min
Lab File: BG064765.D
Acq: 13 Nov 2025 20:46



Tgt Ion:276 Resp: 48999
Ion Ratio Lower Upper
276 100
277 22.1 18.0 27.0
138 14.5 8.2 12.2#

