

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064149.D
 Acq On : 2 Apr 2025 12:24
 Operator : RC/JU
 Sample : Q1650-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-BIN2DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

Quant Time: Apr 02 13:33:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	35445	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	154384	20.000	ng	-0.01
39) Acenaphthene-d10	14.483	164	104815	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	228569	20.000	ng	0.00
76) Chrysene-d12	21.451	240	251610	20.000	ng	0.00
86) Perylene-d12	24.459	264	273294	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	53577	23.602	ng	0.00
7) Phenol-d6	7.021	99	70501	22.830	ng	0.00
23) Nitrobenzene-d5	9.007	82	45036	16.121	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	29698	25.490	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	106004	15.351	ng	0.00
79) Terphenyl-d14	19.841	244	187203	15.044	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.541	154	12752	2.080	ng	# 93
58) Fluorene	15.528	166	25487	3.295	ng	94
71) Phenanthrene	17.262	178	206095	16.905	ng	98
72) Anthracene	17.350	178	95663	7.891	ng	96
75) Fluoranthene	19.271	202	517752	35.227	ng	98
78) Pyrene	19.635	202	359019	22.135	ng	97
81) Benzo(a)anthracene	21.433	228	153587	9.529	ng	99
83) Chrysene	21.492	228	149431	9.296	ng	97
87) Indeno(1,2,3-cd)pyrene	27.826	276	54110	2.959	ng	# 94
88) Benzo(b)fluoranthene	23.513	252	163406	9.890	ng	99
89) Benzo(k)fluoranthene	23.566	252	52820m	3.187	ng	
90) Benzo(a)pyrene	24.312	252	82827	5.629	ng	98
92) Benzo(g,h,i)perylene	28.877	276	51544	3.312	ng	95

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

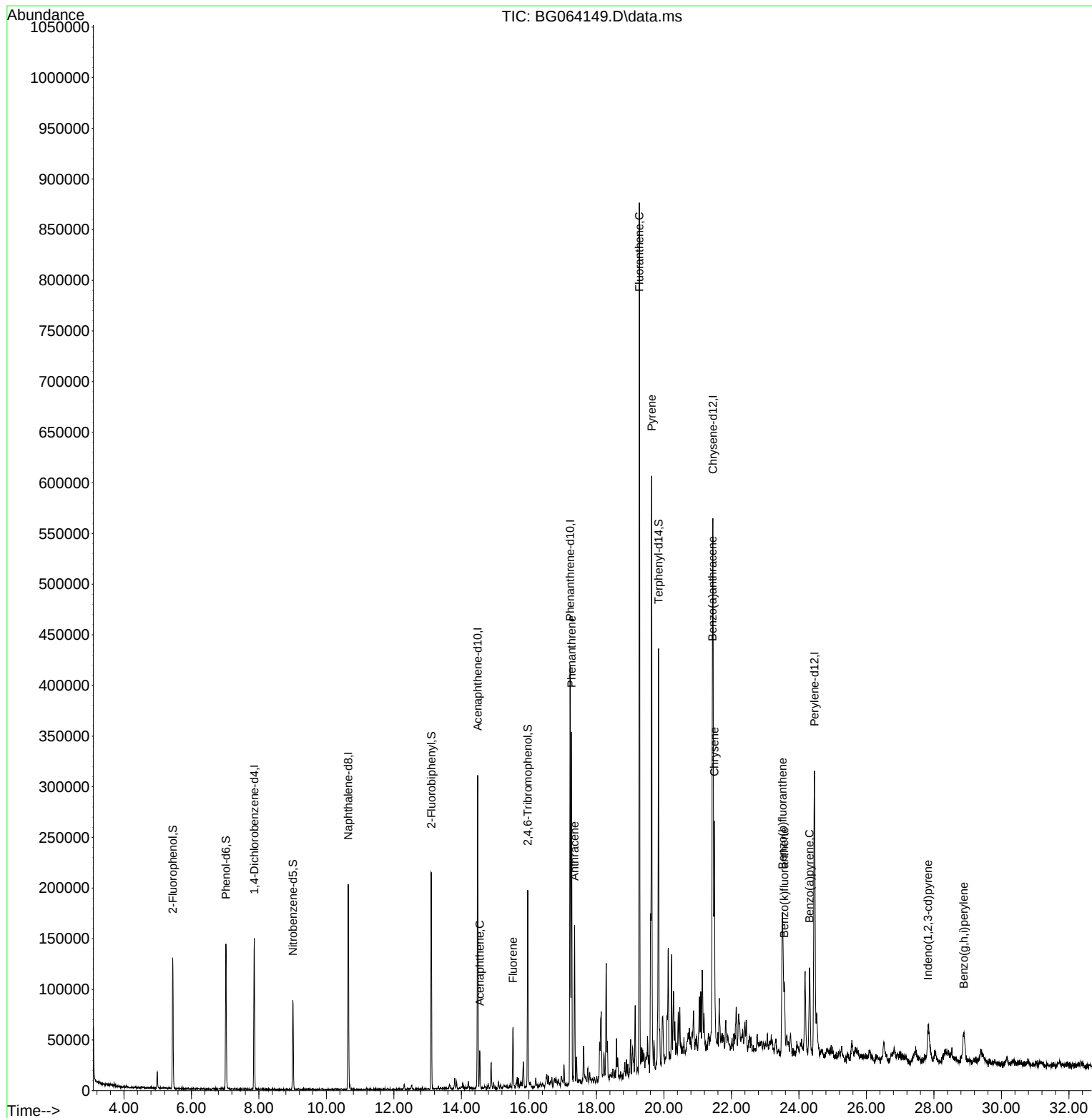
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
Data File : BG064149.D
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ALS Vial : 4 Sample Multiplier: 1

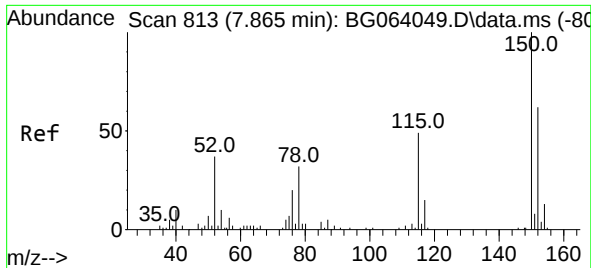
Instrument :
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Quant Time: Apr 02 13:33:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
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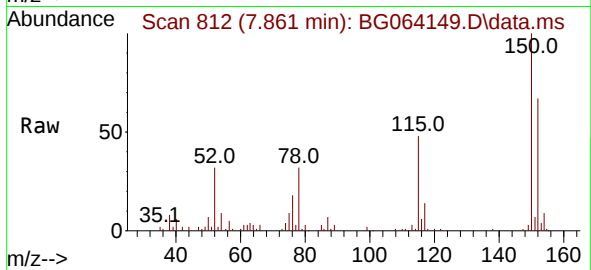
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

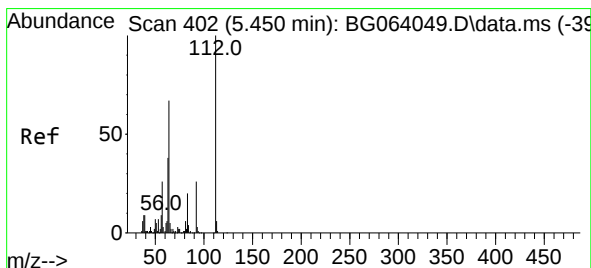
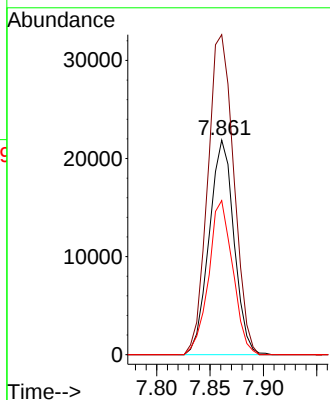
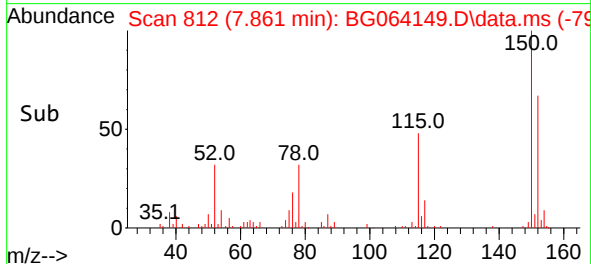
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:152 Resp: 35449
Ion Ratio Lower Upper
152 100
150 149.2 129.2 193.8
115 71.8 63.0 94.6

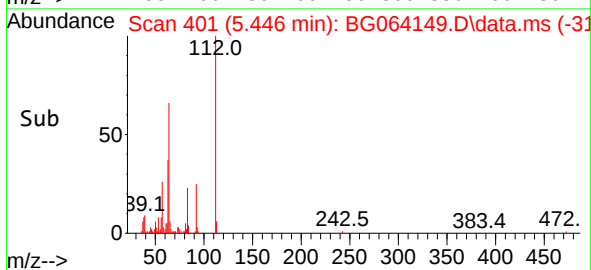
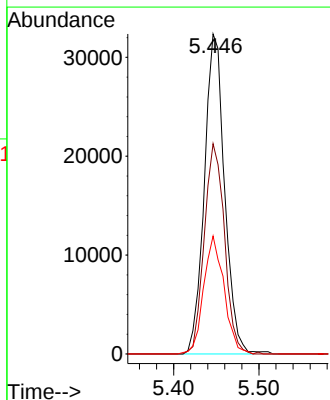
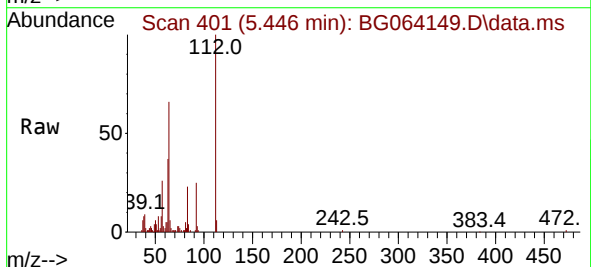
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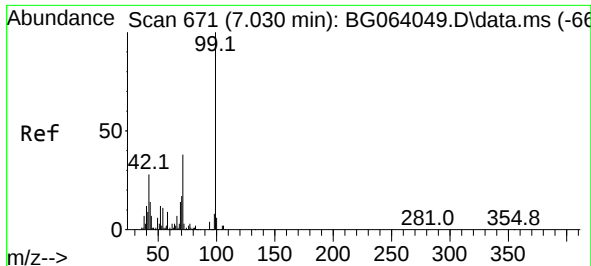
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#5
2-Fluorophenol
Concen: 23.602 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.004 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

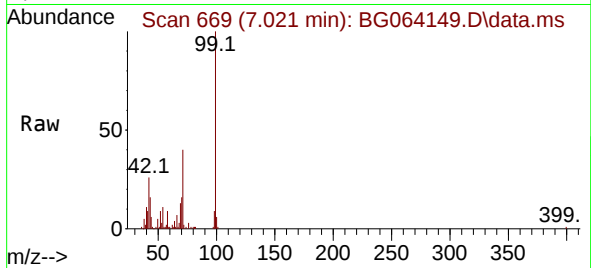
Tgt Ion:112 Resp: 53577
Ion Ratio Lower Upper
112 100
64 65.7 53.7 80.5
63 36.9 30.2 45.4





#7
Phenol-d6
Concen: 22.830 ng
RT: 7.021 min Scan# 671
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

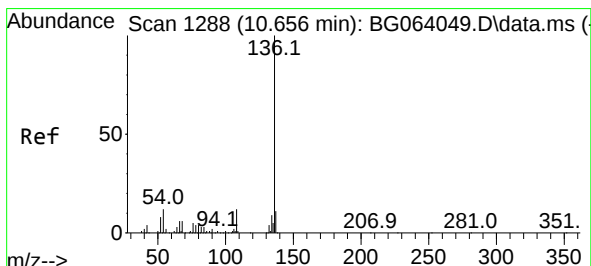
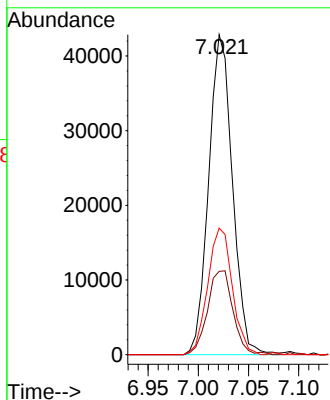
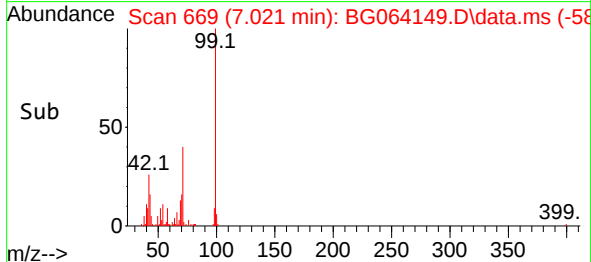
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



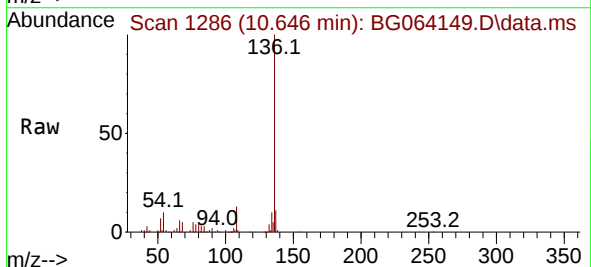
Tgt Ion: 99 Resp: 7050
Ion Ratio Lower Upper
99 100
42 26.0 22.7 34.1
71 39.6 30.6 46.0

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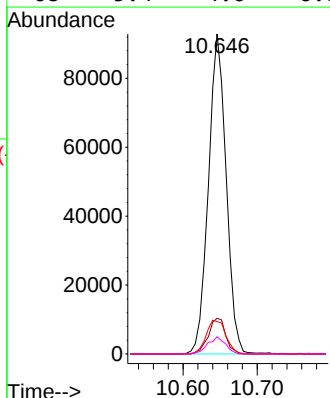
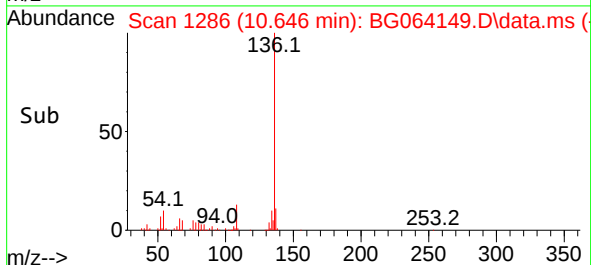
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025

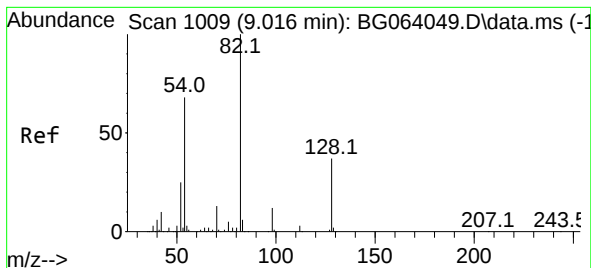


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1286
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24



Tgt Ion:136 Resp: 154384
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.1 9.9 14.9
68 5.4 4.6 6.8





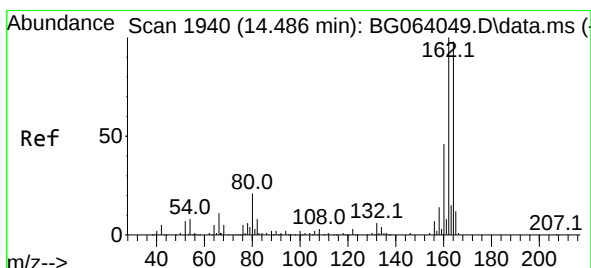
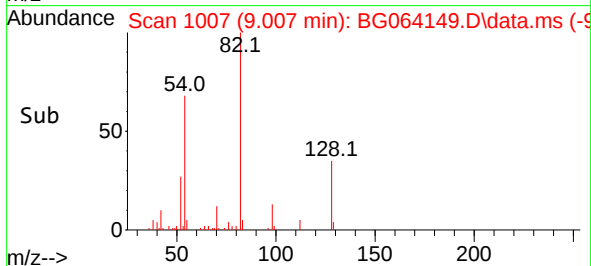
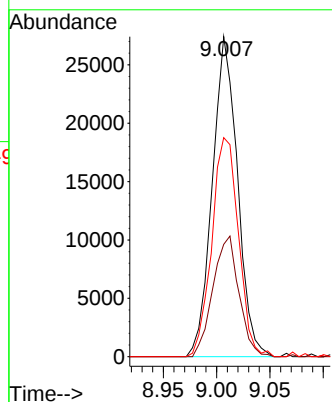
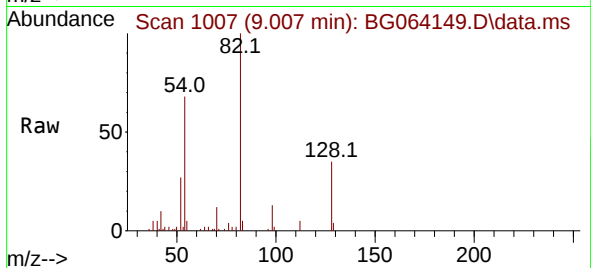
#23
Nitrobenzene-d5
Concen: 16.121 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

Tgt Ion: 82 Resp: 45030
Ion Ratio Lower Upper
82 100
128 35.1 30.0 45.0
54 68.5 54.7 82.1

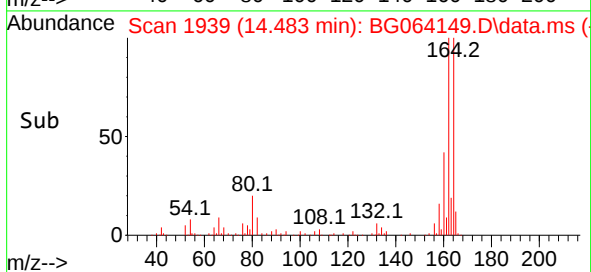
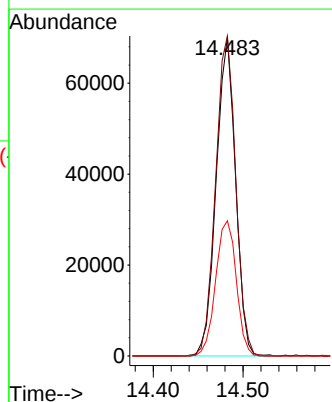
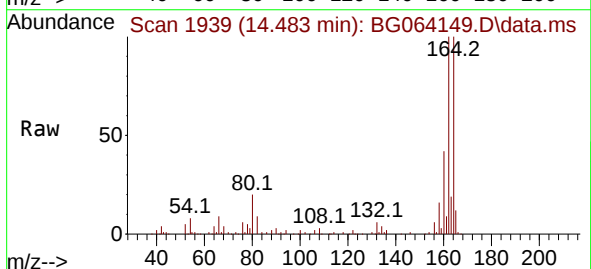
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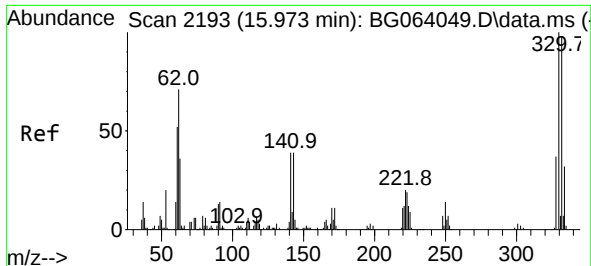
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

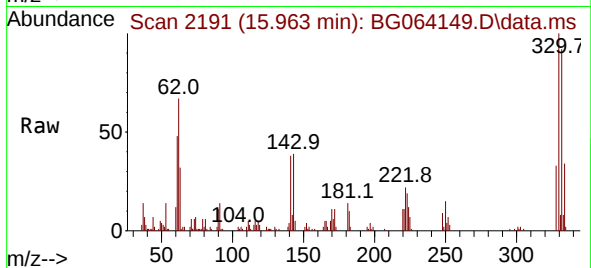
Tgt Ion:164 Resp: 104815
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 42.4 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 25.490 ng
RT: 15.963 min Scan# 2193
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

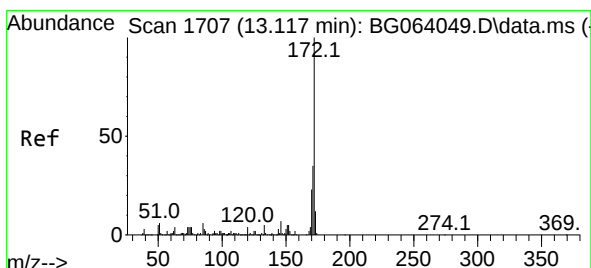
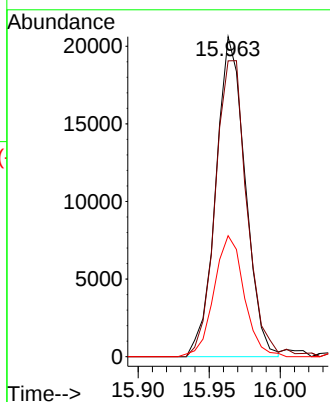
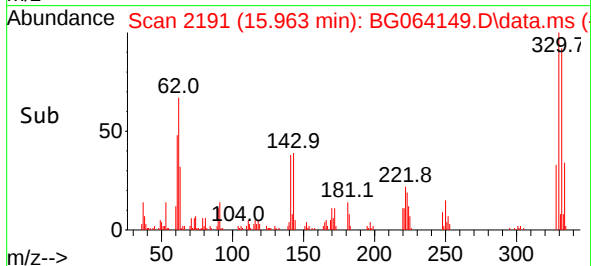
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



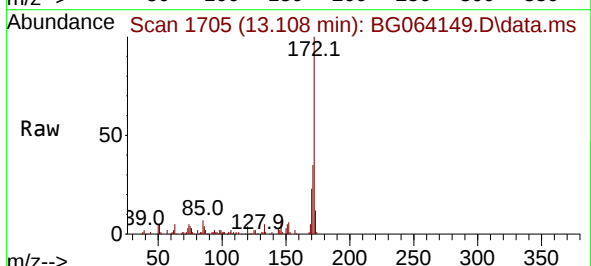
Tgt Ion:330 Resp: 29698
Ion Ratio Lower Upper
330 100
332 99.6 76.7 115.1
141 38.6 29.7 44.5

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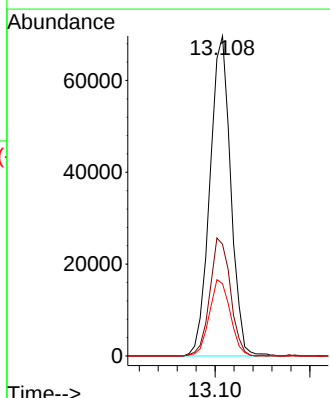
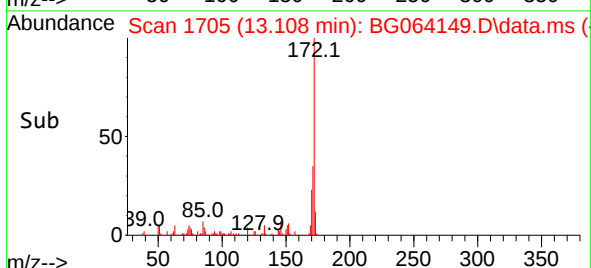
Reviewed By :Anahy Claudio 04/03/2025
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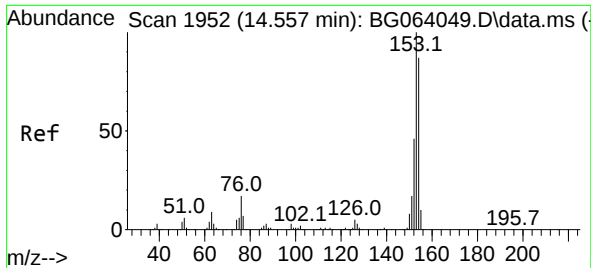


#45
2-Fluorobiphenyl
Concen: 15.351 ng
RT: 13.108 min Scan# 1705
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24



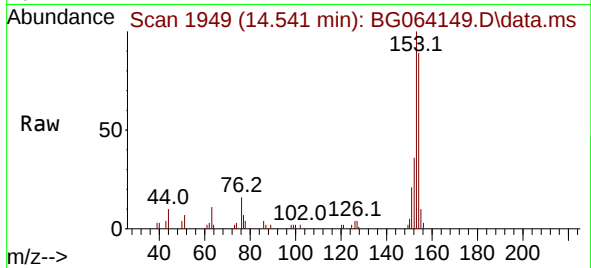
Tgt Ion:172 Resp: 106004
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 22.6 18.7 28.1





#52
Acenaphthene
Concen: 2.080 ng
RT: 14.541 min Scan# 1952
Delta R.T. -0.016 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

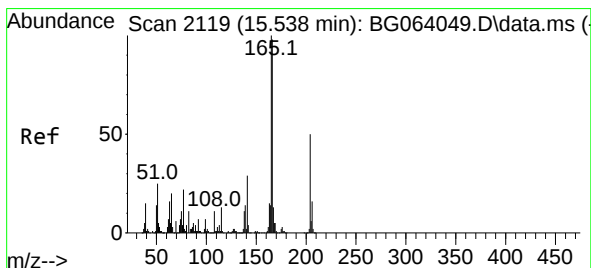
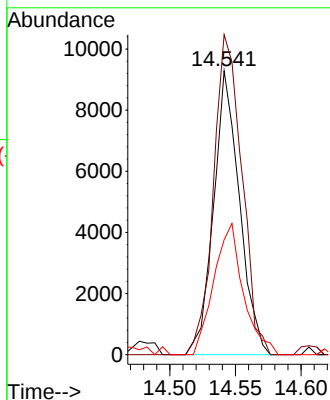
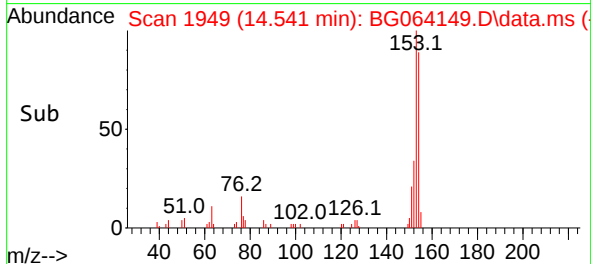
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:154 Resp: 12752
Ion Ratio Lower Upper
154 100
153 112.8 91.6 137.4
152 40.5 42.5 63.7

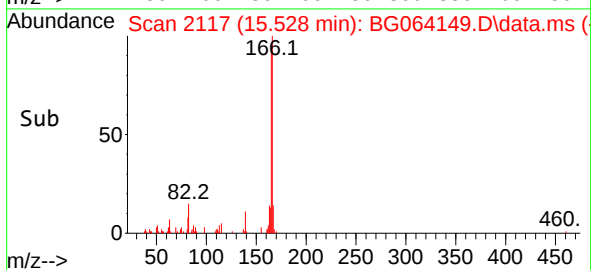
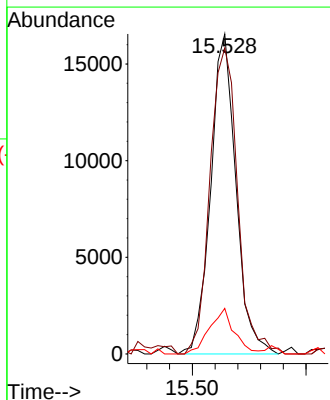
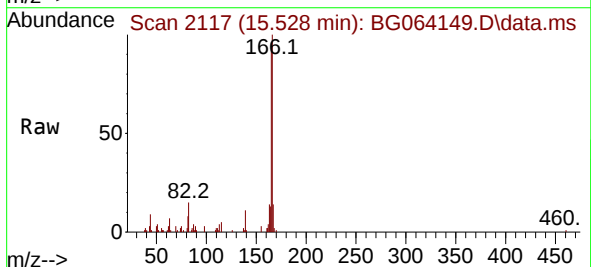
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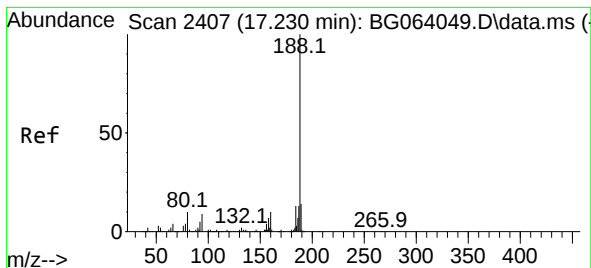
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#58
Fluorene
Concen: 3.295 ng
RT: 15.528 min Scan# 2117
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:166 Resp: 25487
Ion Ratio Lower Upper
166 100
165 95.6 81.8 122.8
167 14.3 10.8 16.2





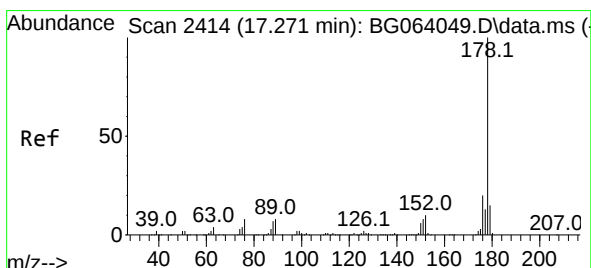
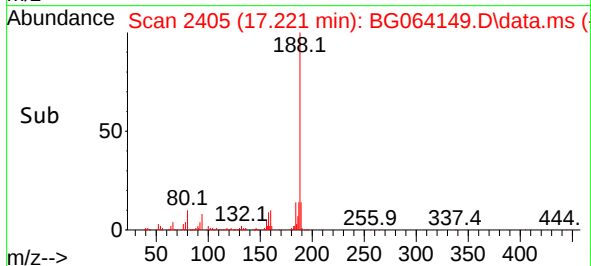
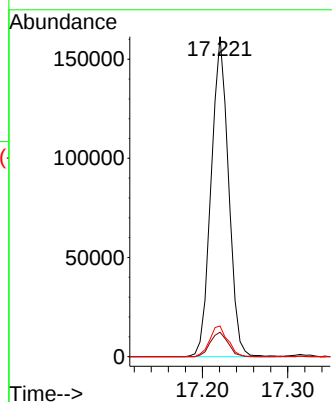
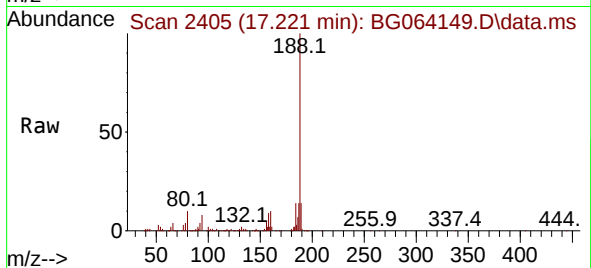
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

Tgt Ion:188 Resp: 228569
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 9.6 8.1 12.1

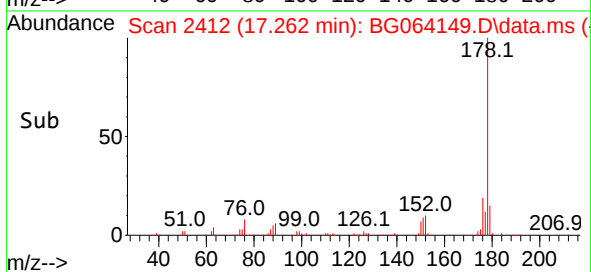
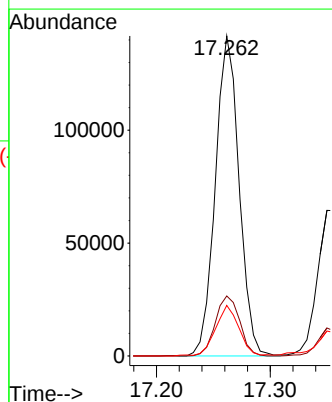
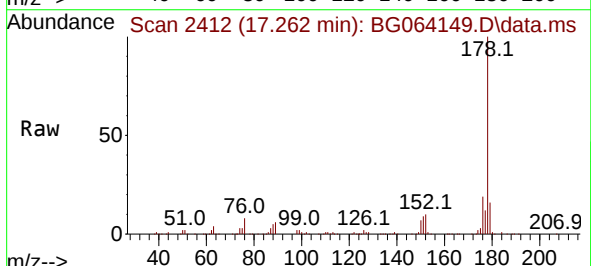
Manual Integrations
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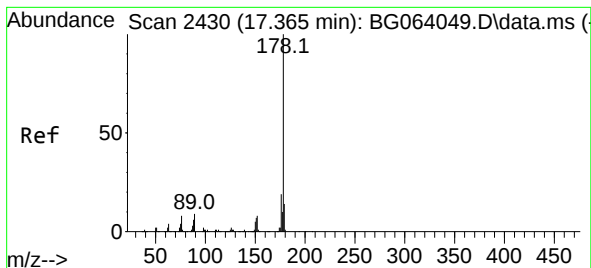
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#71
Phenanthrene
Concen: 16.905 ng
RT: 17.262 min Scan# 2412
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:178 Resp: 206095
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.8 12.2 18.2





#72

Anthracene

Concen: 7.891 ng

RT: 17.350 min Scan# 2430

Delta R.T. -0.015 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

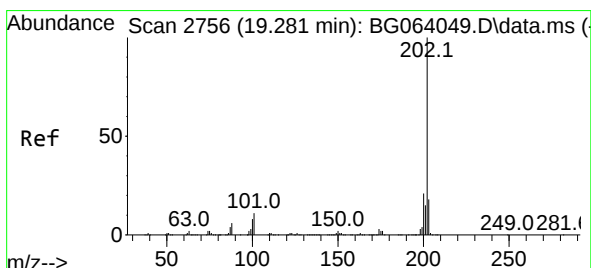
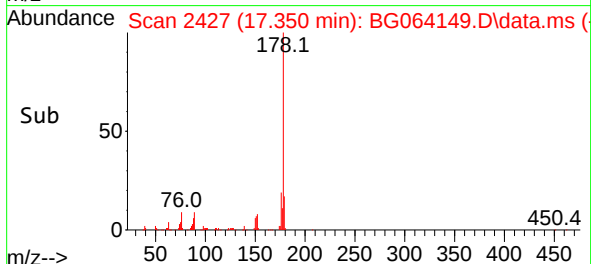
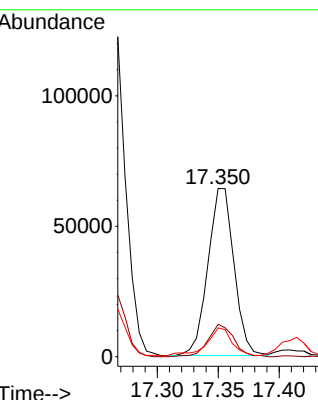
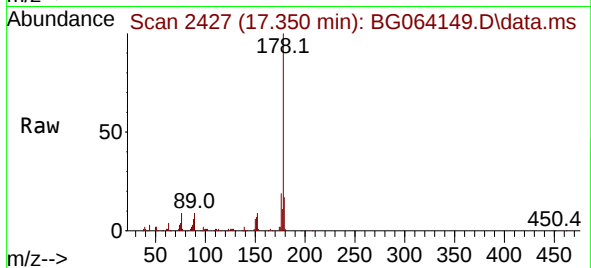
ClientSampleId :

STOCK-PILE-BIN2DL

Tgt Ion:178 Resp: 9566
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 17.2 11.5 17.3

Manual Integrations
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#75

Fluoranthene

Concen: 35.227 ng

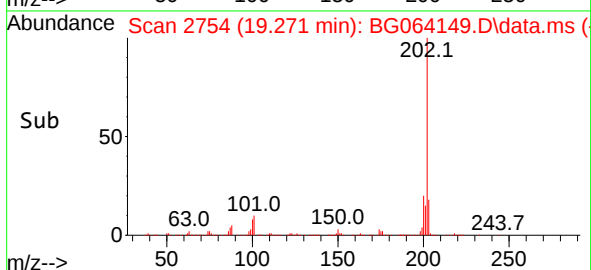
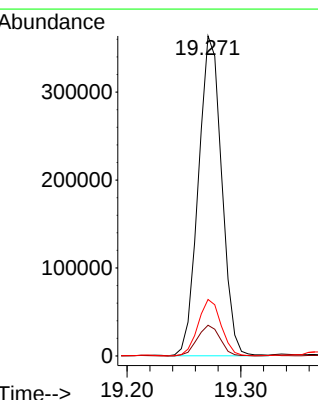
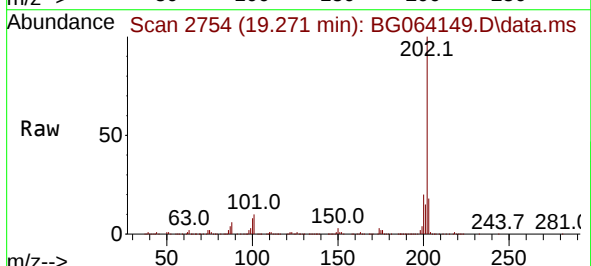
RT: 19.271 min Scan# 2754

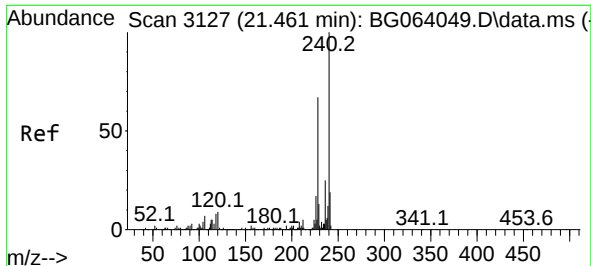
Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

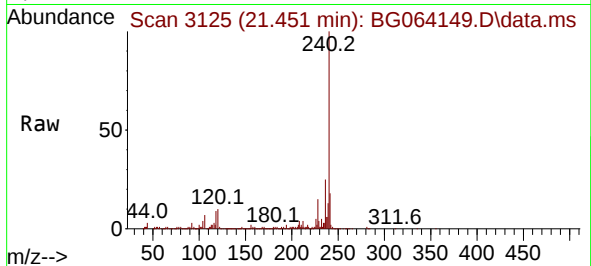
Tgt Ion:202 Resp: 517752
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.5
 203 17.7 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3127
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

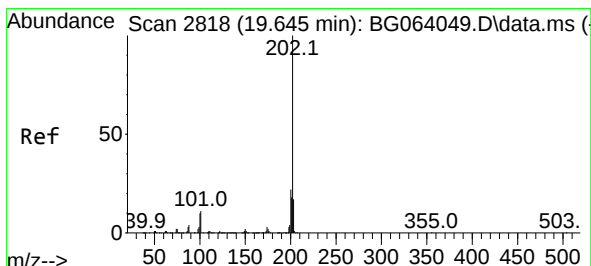
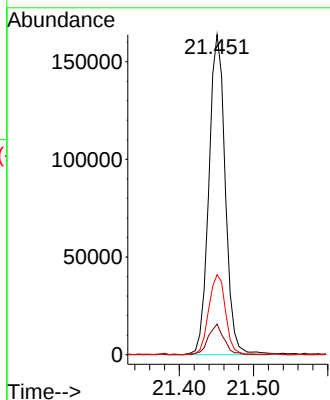
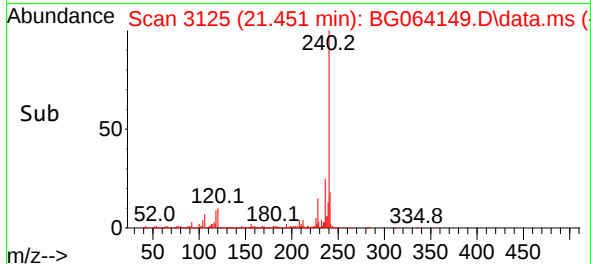
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:240 Resp: 251610
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 25.0 20.2 30.2

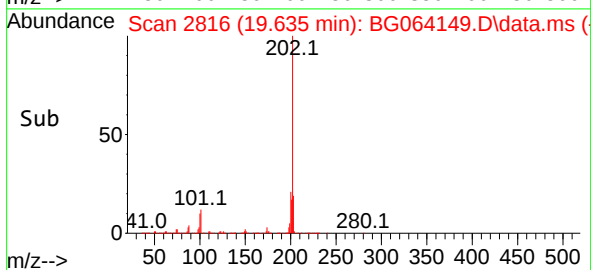
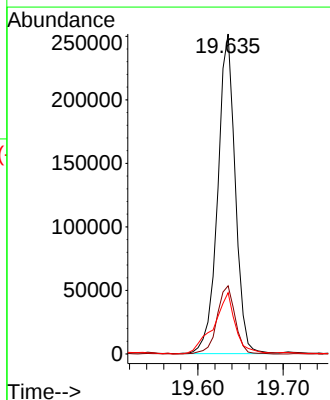
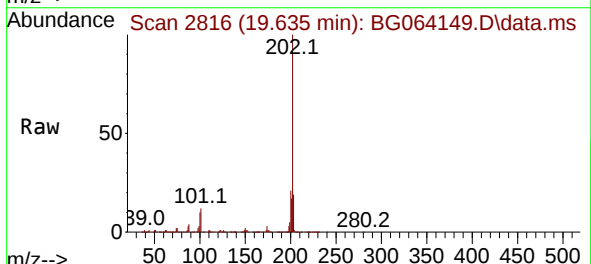
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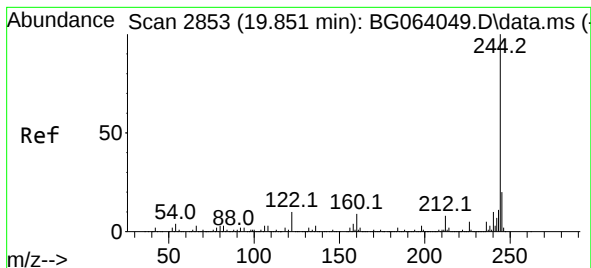
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#78
Pyrene
Concen: 22.135 ng
RT: 19.635 min Scan# 2816
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:202 Resp: 359019
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 19.2 13.6 20.4





#79

Terphenyl-d14

Concen: 15.044 ng

RT: 19.841 min Scan# 21

Delta R.T. -0.010 min

Lab File: BG064149.D

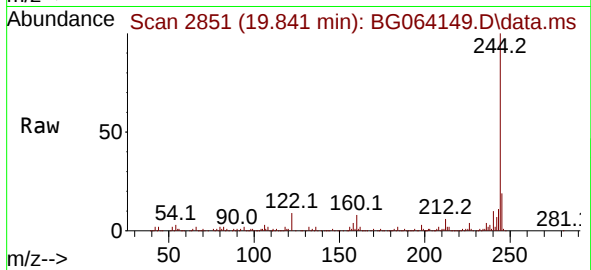
Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL



Tgt Ion:244 Resp: 18720

Ion Ratio Lower Upper

244 100

212 6.0 6.2 9.4

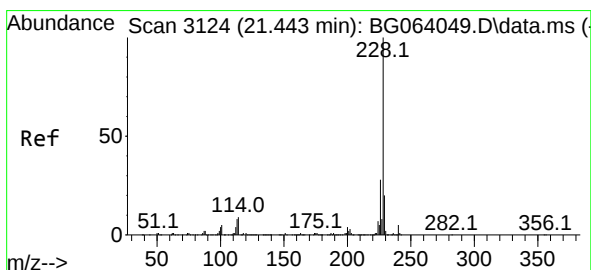
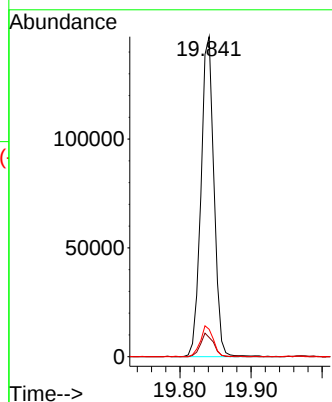
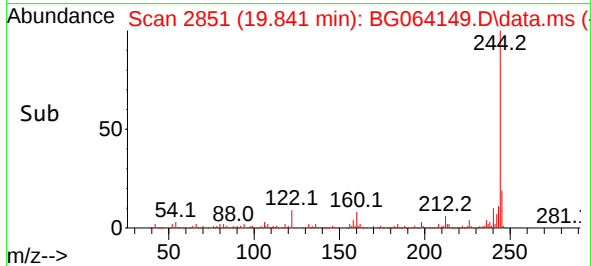
122 8.5 8.0 12.0

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Reviewed By :Anahy Claudio 04/03/2025

Supervised By :Jagrut Upadhyay 04/03/2025



#81

Benzo(a)anthracene

Concen: 9.529 ng

RT: 21.433 min Scan# 3122

Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

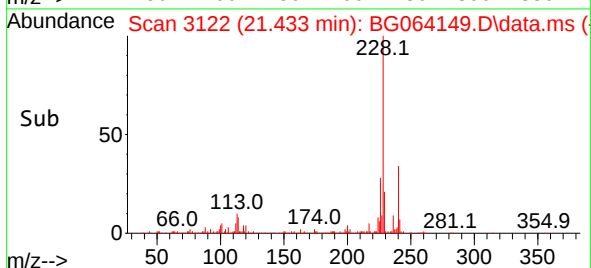
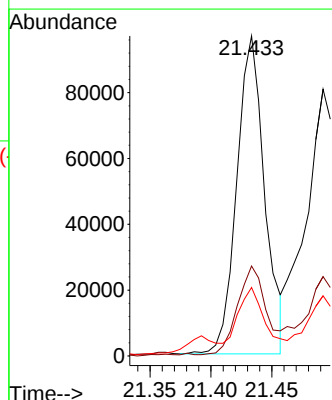
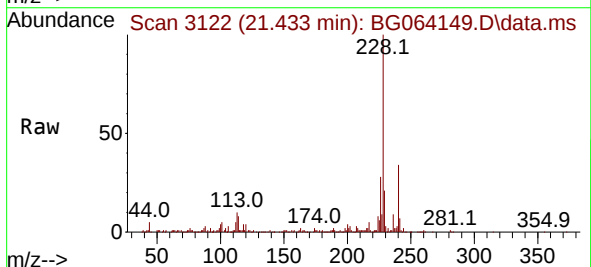
Tgt Ion:228 Resp: 153587

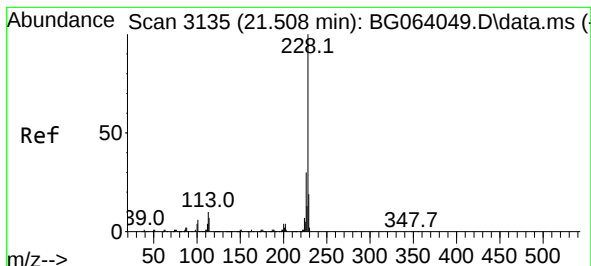
Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

229 21.4 16.4 24.6





#83

Chrysene

Concen: 9.296 ng

RT: 21.492 min Scan# 31

Delta R.T. -0.016 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

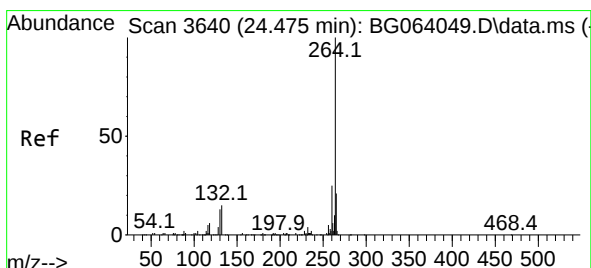
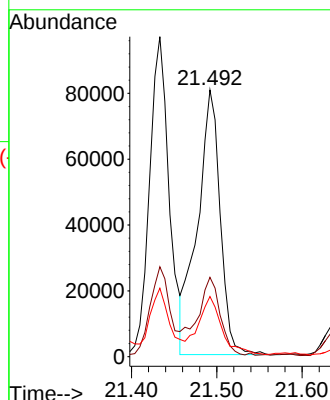
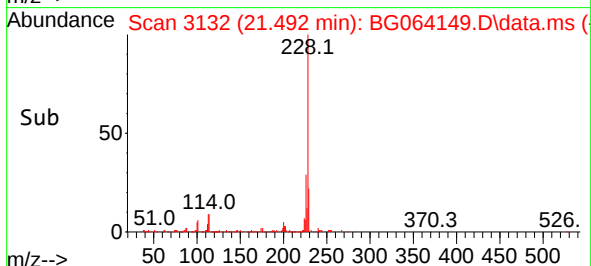
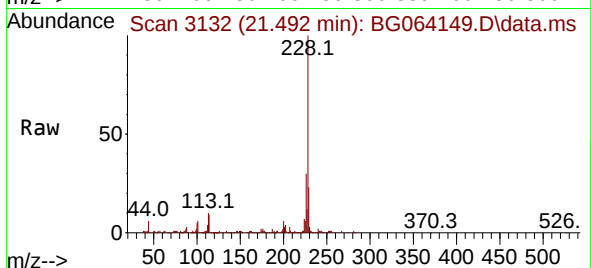
STOCK-PILE-BIN2DL

Tgt Ion:228 Resp: 14943
 Ion Ratio Lower Upper
 228 100
 226 29.7 23.9 35.9
 229 22.5 15.3 22.9

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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025



#86

Perylene-d12

Concen: 20.000 ng

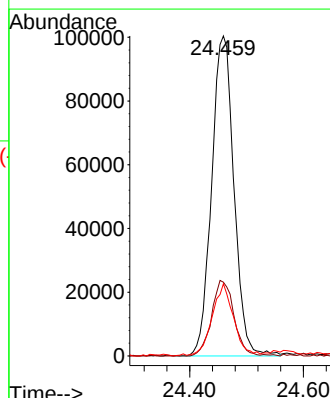
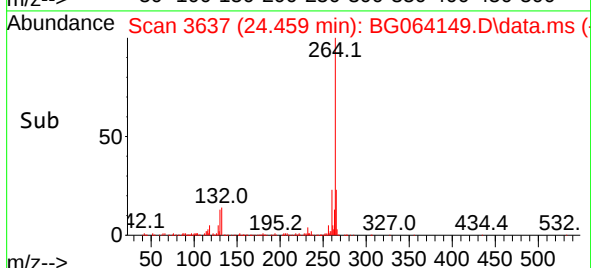
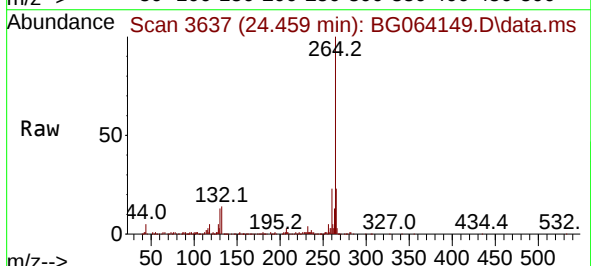
RT: 24.459 min Scan# 3637

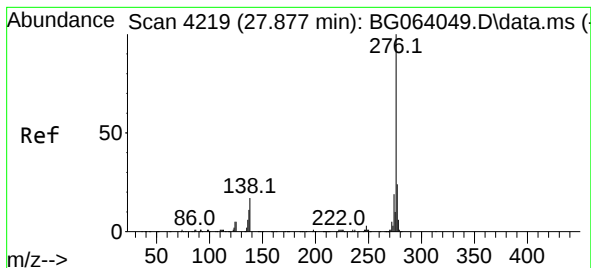
Delta R.T. -0.015 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Tgt Ion:264 Resp: 273294
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.6 29.4
 265 22.5 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.959 ng

RT: 27.826 min Scan# 41

Delta R.T. -0.051 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

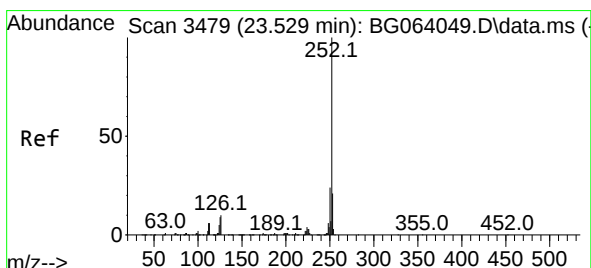
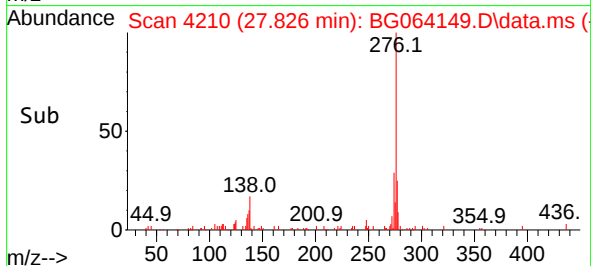
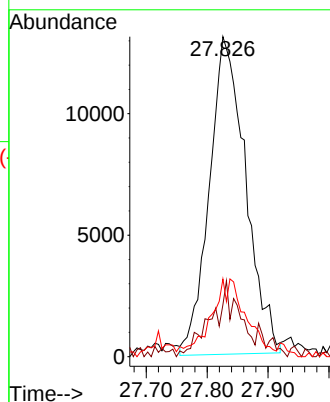
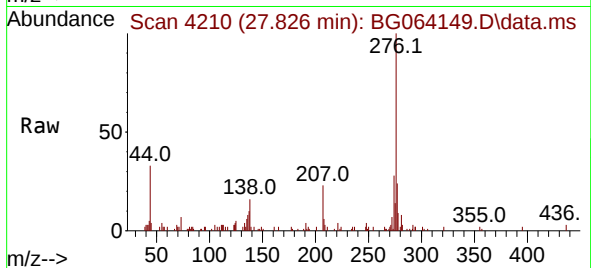
Tgt Ion:	276	Resp:	54110
Ion Ratio	Lower	Upper	
276	100		
138	18.4	12.1	18.1
277	22.3	20.0	30.0

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Reviewed By :Anahy Claudio 04/03/2025

Supervised By :Jagrut Upadhyay 04/03/2025



#88

Benzo(b)fluoranthene

Concen: 9.890 ng

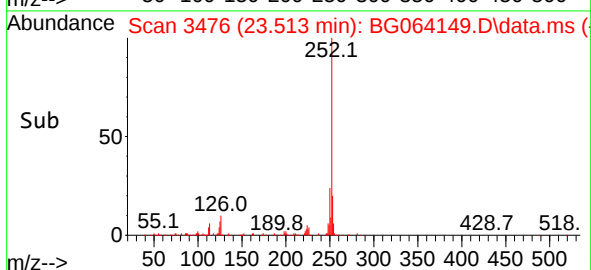
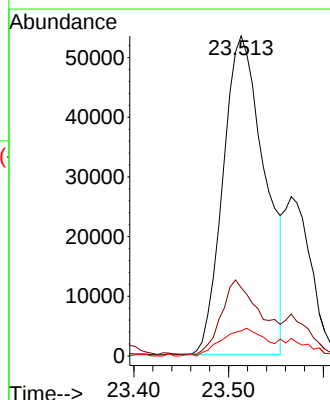
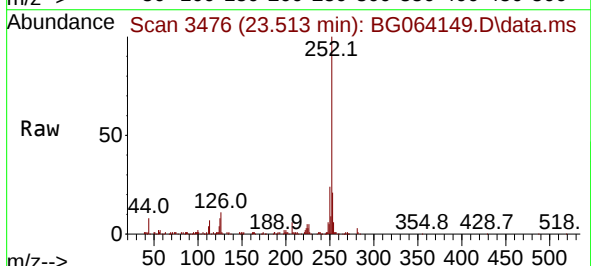
RT: 23.513 min Scan# 3476

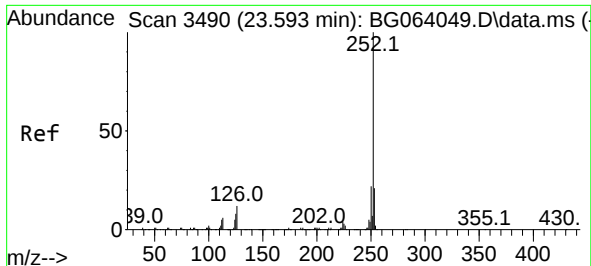
Delta R.T. -0.015 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

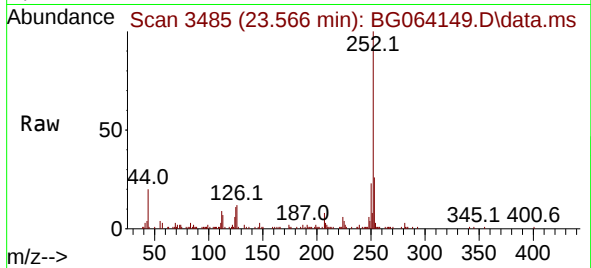
Tgt Ion:	252	Resp:	163406
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.0	25.4
125	7.8	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 3.187 ng m
RT: 23.566 min Scan# 3490
Delta R.T. -0.027 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

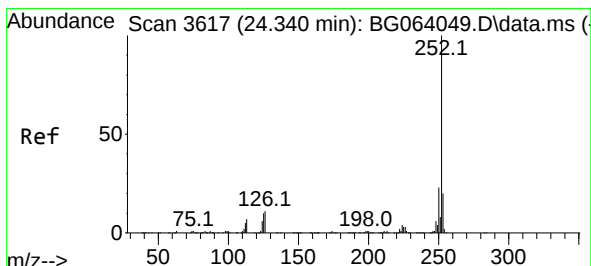
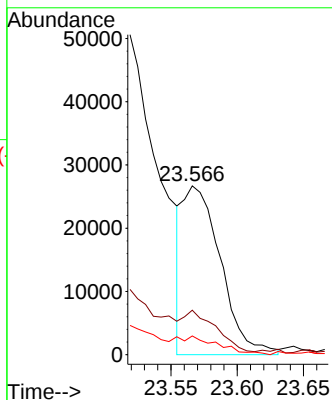
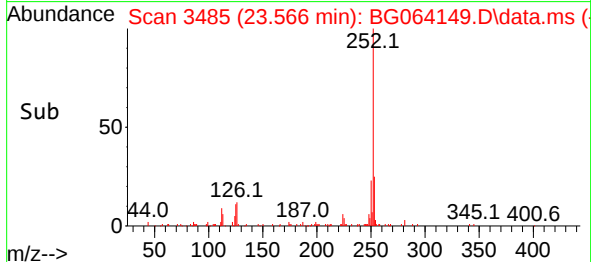
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL



Tgt Ion:252 Resp: 52820
Ion Ratio Lower Upper
252 100
253 26.3 16.8 25.2
125 11.1 6.9 10.3

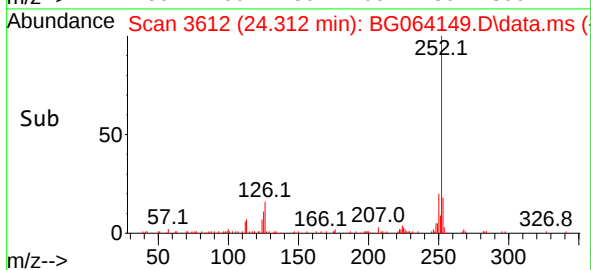
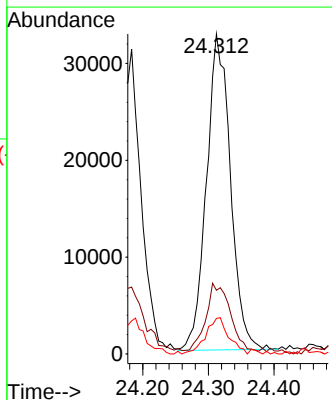
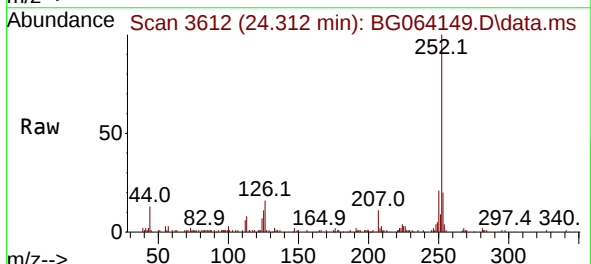
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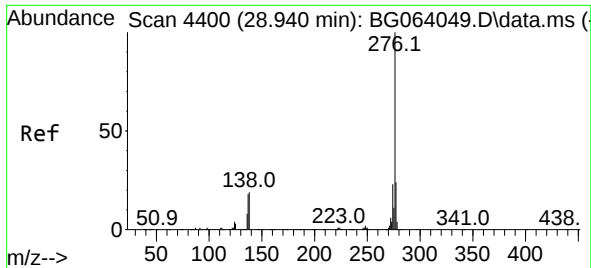
Reviewed By :Anahy Claudio 04/03/2025
Supervised By :Jagrut Upadhyay 04/03/2025



#90
Benzo(a)pyrene
Concen: 5.629 ng
RT: 24.312 min Scan# 3612
Delta R.T. -0.027 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

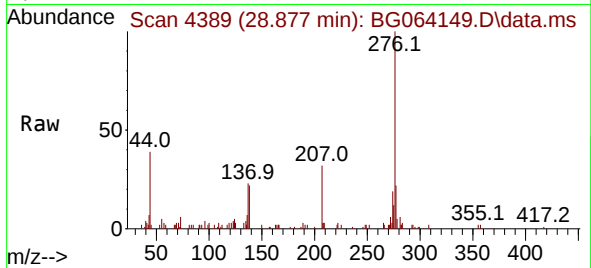
Tgt Ion:252 Resp: 82827
Ion Ratio Lower Upper
252 100
253 19.9 16.2 24.2
125 11.1 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.312 ng
 RT: 28.877 min Scan# 41
 Delta R.T. -0.063 min
 Lab File: BG064149.D
 Acq: 2 Apr 2025 12:24

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-BIN2DL



Tgt Ion:276 Resp: 51544
 Ion Ratio Lower Upper
 276 100
 277 21.8 19.5 29.3
 138 21.6 15.4 23.0

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Reviewed By :Anahy Claudio 04/03/2025
 Supervised By :Jagrut Upadhyay 04/03/2025

