

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
 Data File : BG064085.D
 Acq On : 10 Mar 2025 17:46
 Operator : RC/JU
 Sample : Q1524-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11930-343-COMP

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/11/2025
 Supervised By :Jagrut Upadhyay 03/11/2025

Quant Time: Mar 11 01:19:53 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	7.862	152	35978	20.000	ng	0.00
21) Naphthalene-d8	10.647	136	151009	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	102150	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	226857	20.000	ng	0.00
76) Chrysene-d12	21.457	240	238781	20.000	ng	0.00
86) Perylene-d12	24.466	264	258504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	173367	75.241	ng	0.00
7) Phenol-d6	7.027	99	233092	74.363	ng	0.00
23) Nitrobenzene-d5	9.013	82	142829	52.268	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	93743	82.559	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	333397	49.541	ng	0.00
79) Terphenyl-d14	19.848	244	618586	52.382	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.268	178	45433	3.755	ng	95
75) Fluoranthene	19.278	202	118724	8.139	ng	98
78) Pyrene	19.636	202	109447	7.111	ng	97
81) Benzo(a)anthracene	21.440	228	77427	5.062	ng	96
83) Chrysene	21.499	228	78694	5.158	ng	96
84) Bis(2-ethylhexyl)phtha...	21.375	149	18280	2.210	ng	98
87) Indeno(1,2,3-cd)pyrene	27.850	276	42922	2.482	ng	# 81
88) Benzo(b)fluoranthene	23.520	252	105458	6.748	ng	97
89) Benzo(k)fluoranthene	23.578	252	39954m	2.548	ng	
90) Benzo(a)pyrene	24.325	252	67351m	4.839	ng	
92) Benzo(g,h,i)perylene	28.907	276	40183	2.729	ng	# 92

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

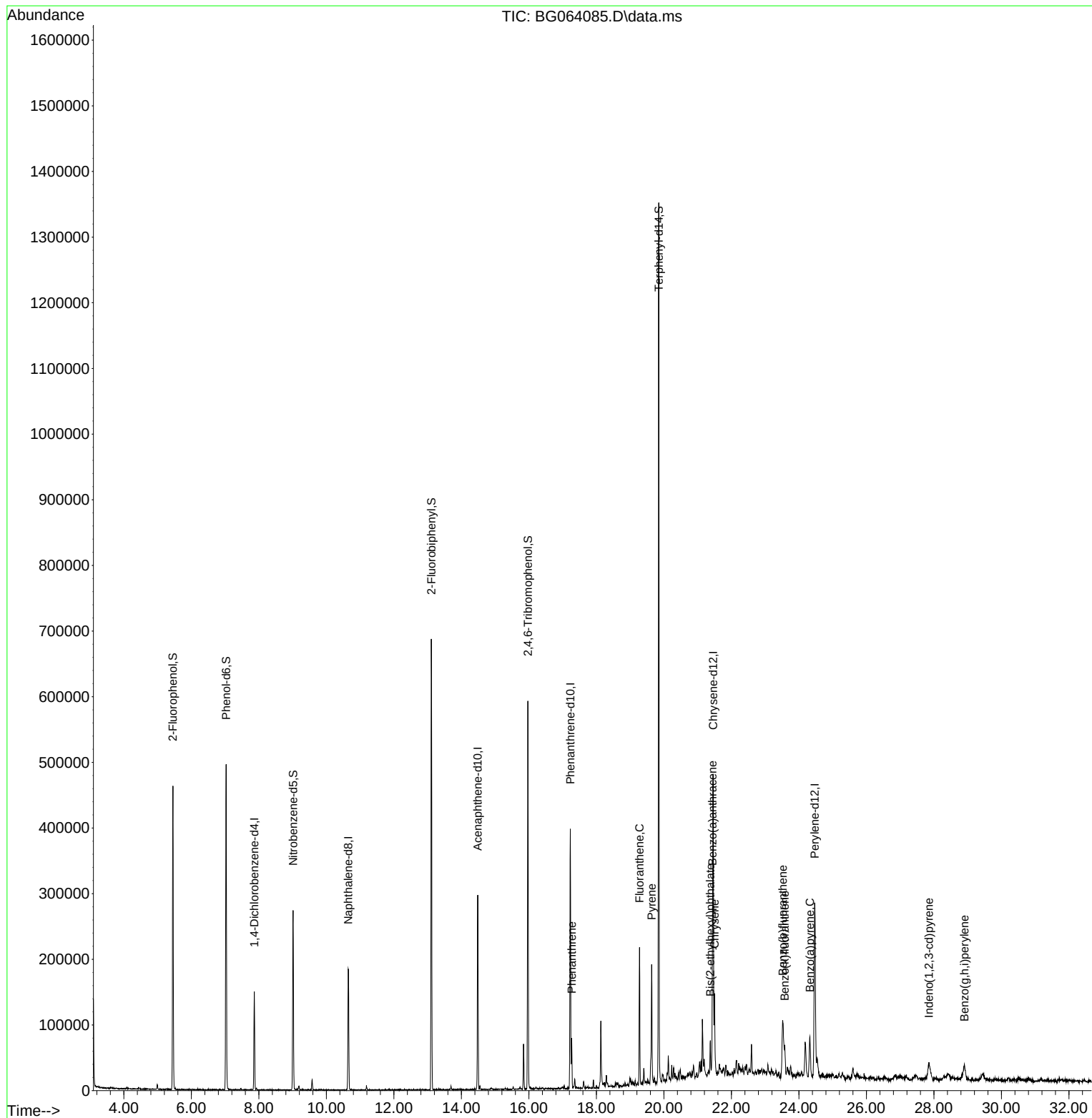
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064085.D
Acq On : 10 Mar 2025 17:46
Operator : RC/JU
Sample : Q1524-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

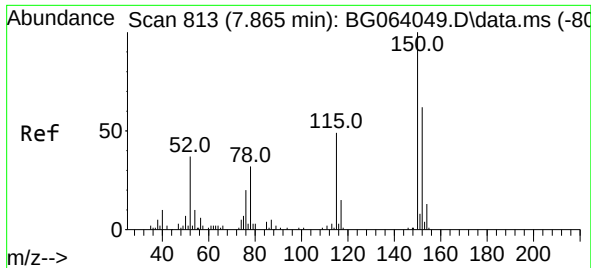
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

Quant Time: Mar 11 01:19:53 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

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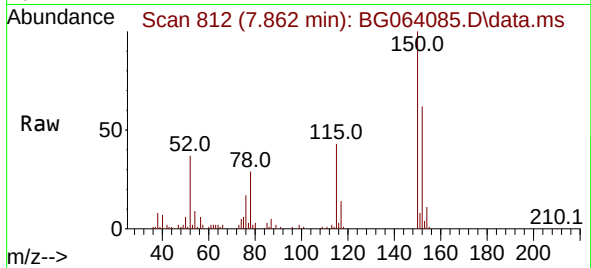
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

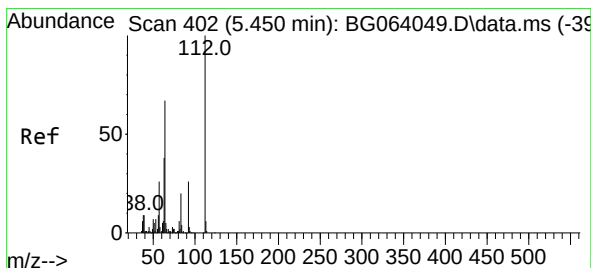
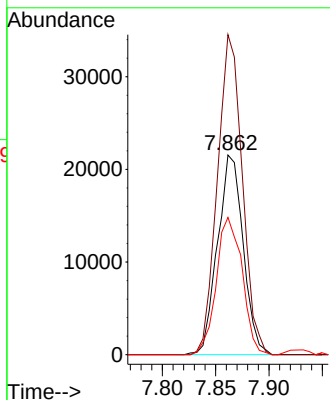
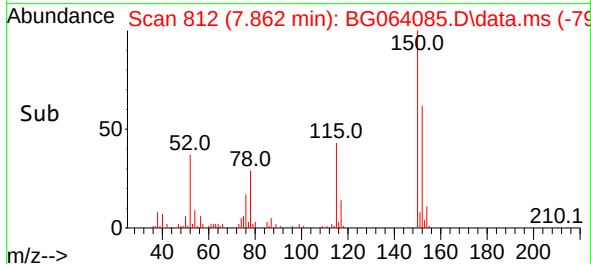
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:152 Resp: 35978
Ion Ratio Lower Upper
152 100
150 160.3 129.2 193.8
115 68.8 63.0 94.6

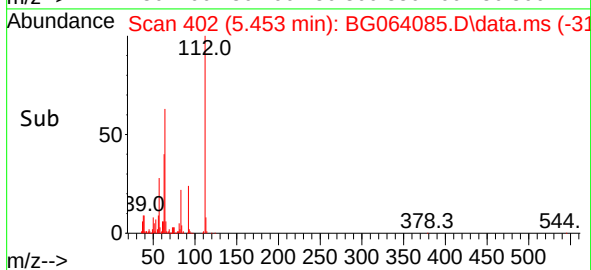
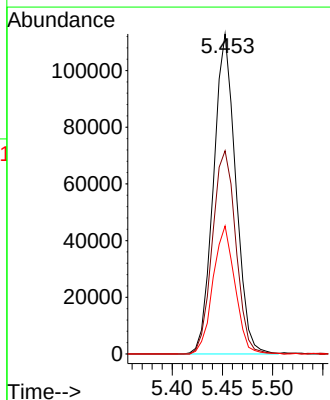
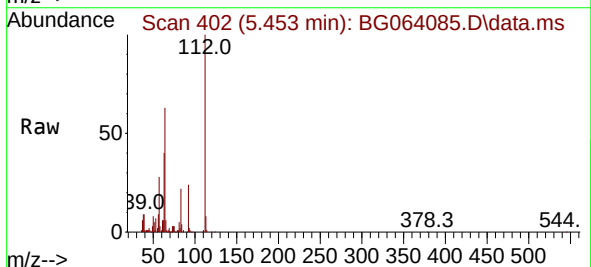
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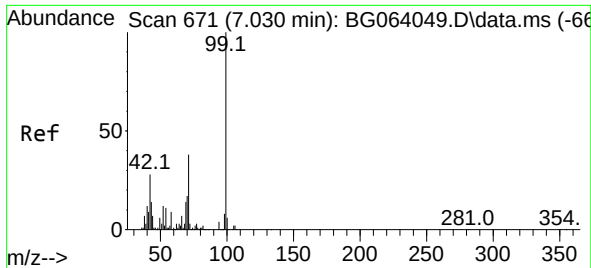
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#5
2-Fluorophenol
Concen: 75.241 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

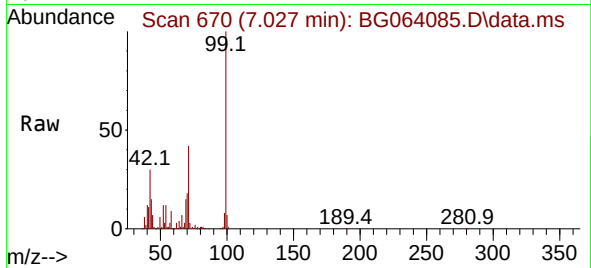
Tgt Ion:112 Resp: 173367
Ion Ratio Lower Upper
112 100
64 63.5 53.7 80.5
63 40.0 30.2 45.4





#7
Phenol-d6
Concen: 74.363 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

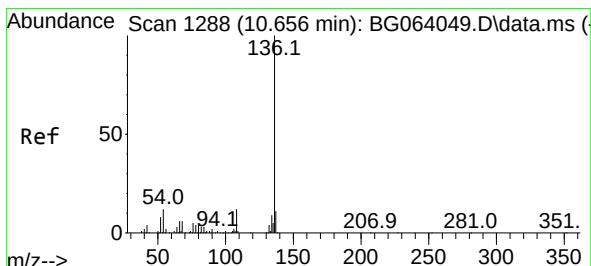
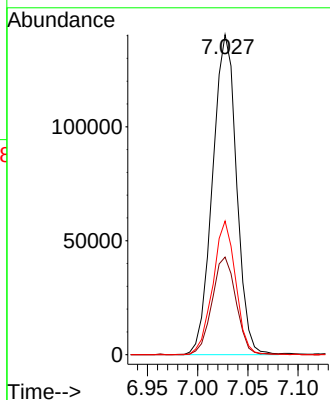
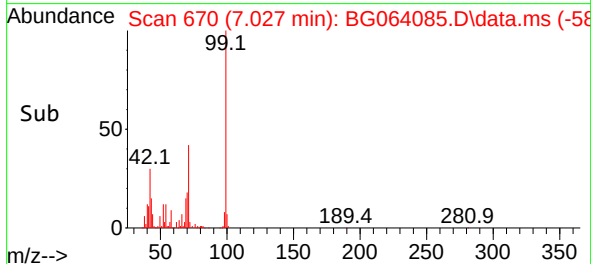
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



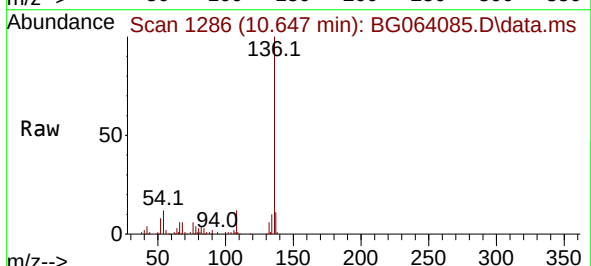
Tgt Ion: 99 Resp: 233092
Ion Ratio Lower Upper
99 100
42 30.5 22.7 34.1
71 41.8 30.6 46.0

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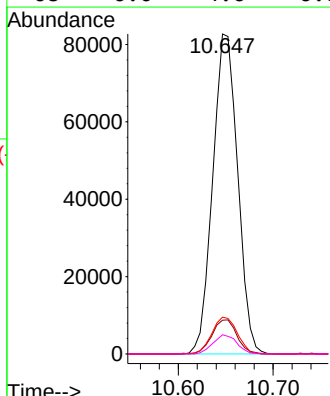
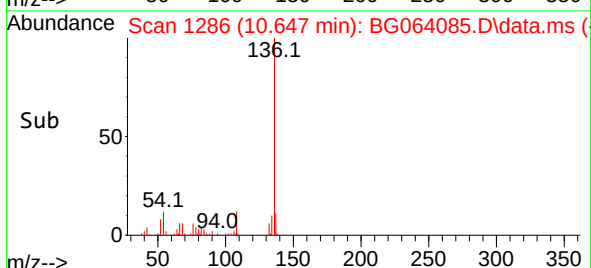
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

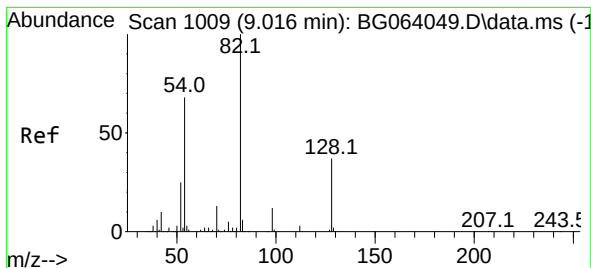


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.647 min Scan# 1286
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46



Tgt Ion:136 Resp: 151009
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 11.5 9.9 14.9
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 52.268 ng

RT: 9.013 min Scan# 1009

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

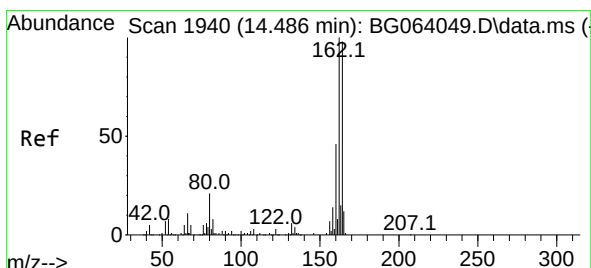
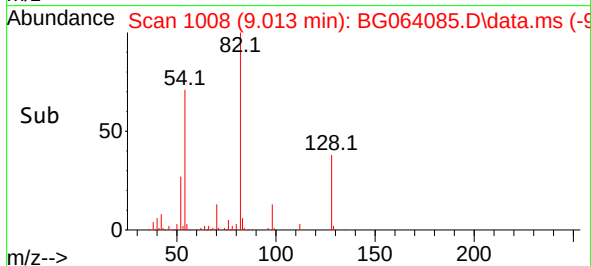
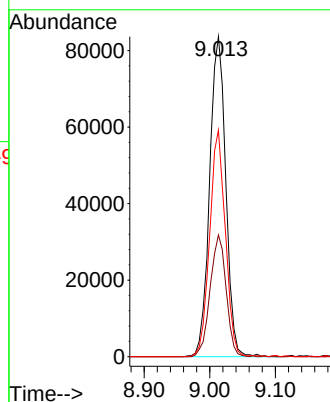
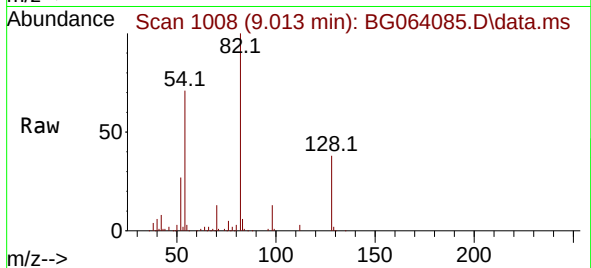
72-11930-343-COMP

Tgt Ion: 82 Resp: 142829
 Ion Ratio Lower Upper
 82 100
 128 38.1 30.0 45.0
 54 70.8 54.7 82.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

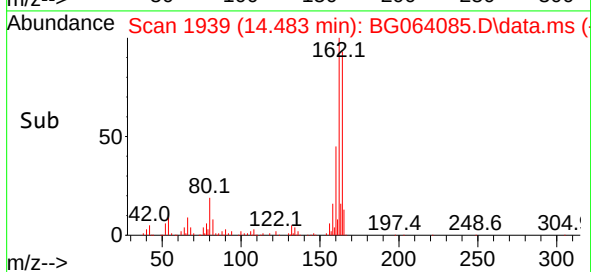
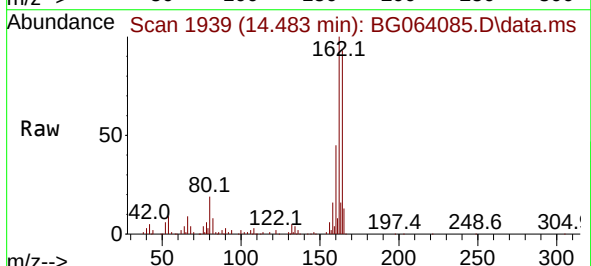
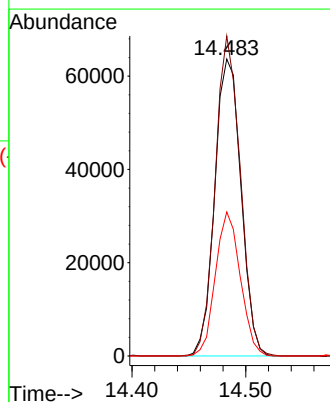
RT: 14.483 min Scan# 1939

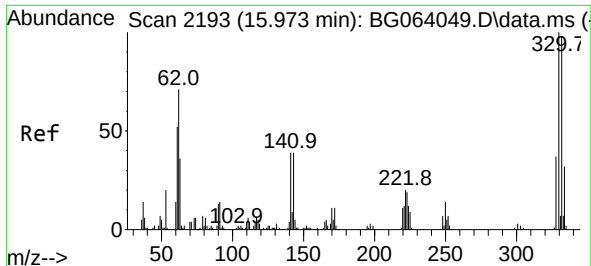
Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

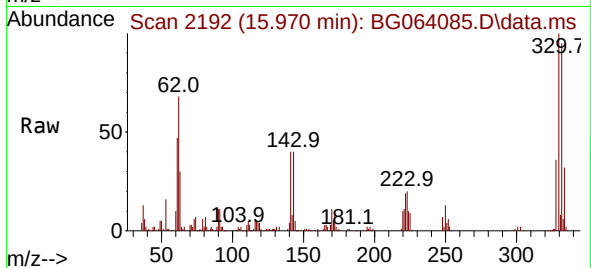
Tgt Ion:164 Resp: 102150
 Ion Ratio Lower Upper
 164 100
 162 107.8 81.4 122.0
 160 48.5 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 82.559 ng
RT: 15.970 min Scan# 2193
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

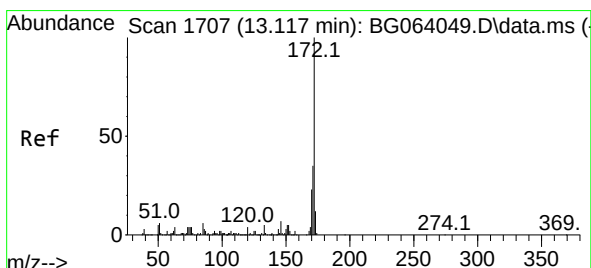
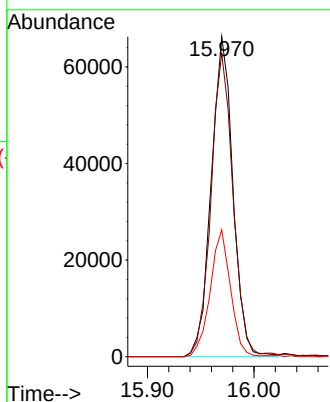
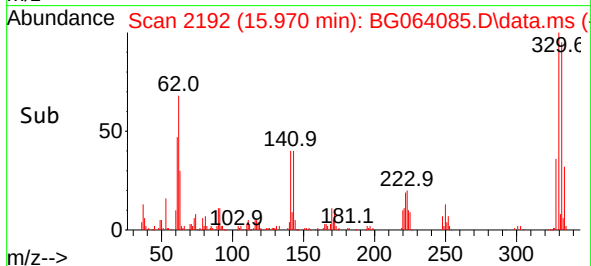
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:330 Resp: 9374
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 37.4 29.7 44.5

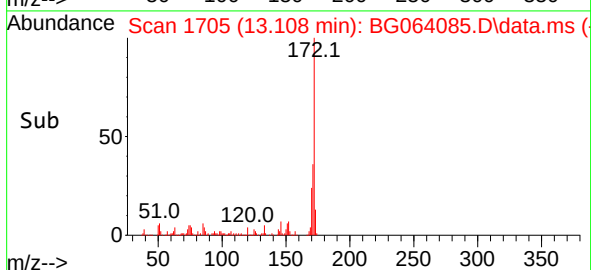
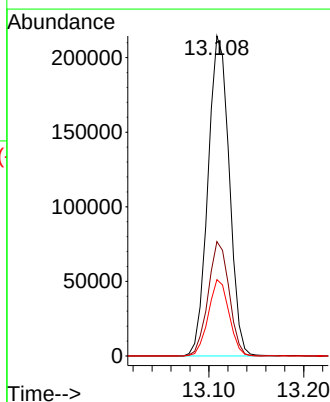
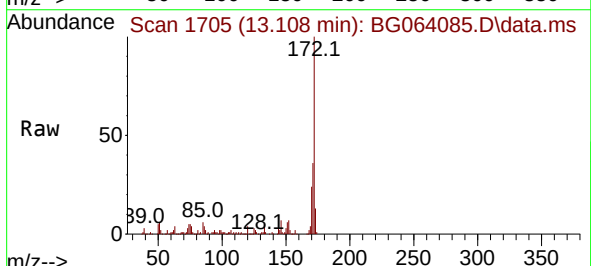
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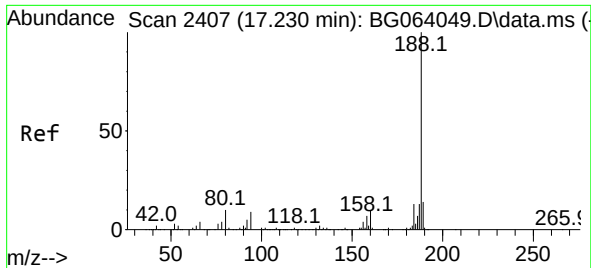
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#45
2-Fluorobiphenyl
Concen: 49.541 ng
RT: 13.108 min Scan# 1705
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:172 Resp: 333397
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.9 18.7 28.1





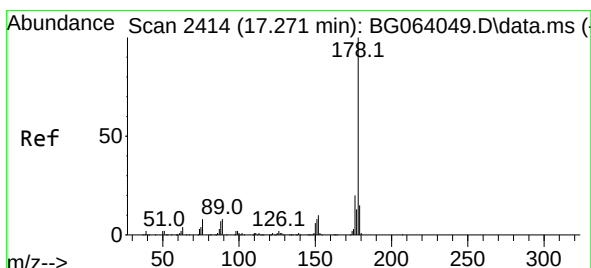
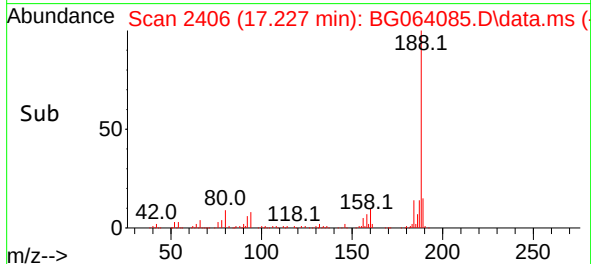
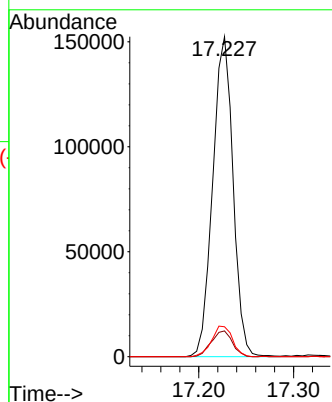
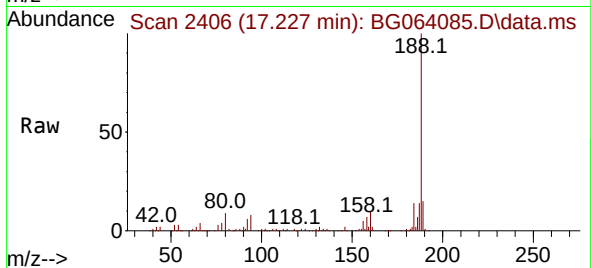
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

Tgt Ion:188 Resp: 22685
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.4 8.1 12.1

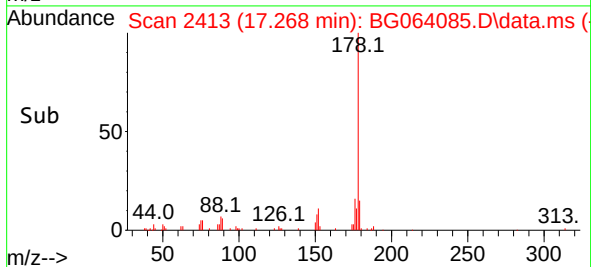
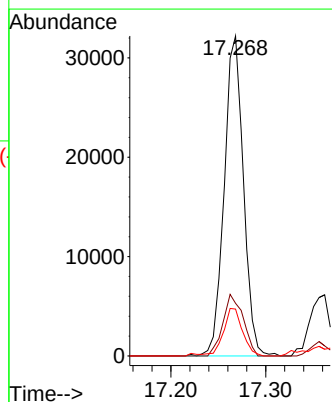
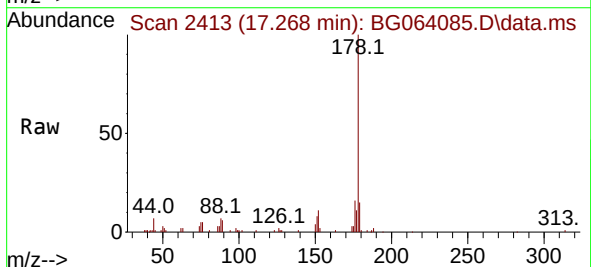
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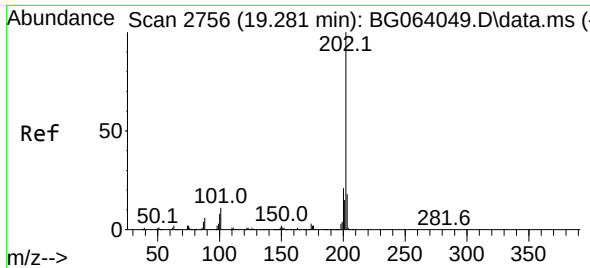
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#71
Phenanthrene
Concen: 3.755 ng
RT: 17.268 min Scan# 2413
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

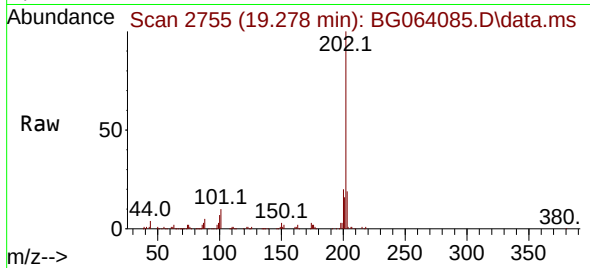
Tgt Ion:178 Resp: 45433
Ion Ratio Lower Upper
178 100
176 16.5 15.9 23.9
179 14.6 12.2 18.2





#75
Fluoranthene
Concen: 8.139 ng
RT: 19.278 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

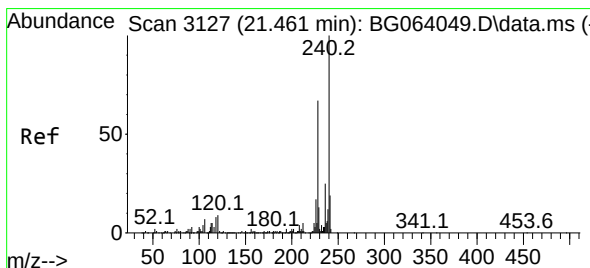
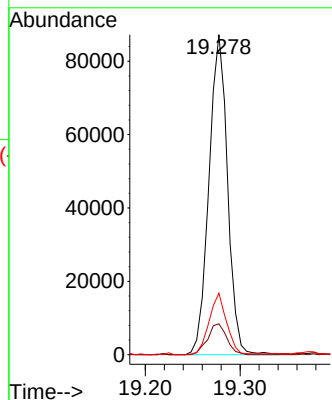
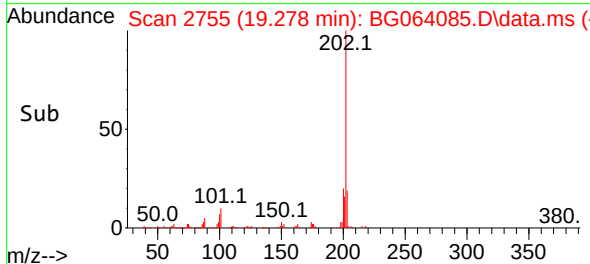
Instrument :
BNA_G
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72-11930-343-COMP



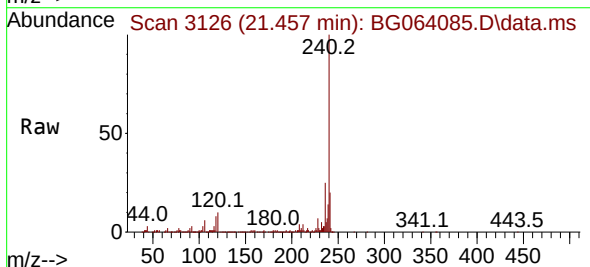
Tgt Ion:202 Resp: 118724
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.5
203 19.2 0.0 38.3

Manual Integrations
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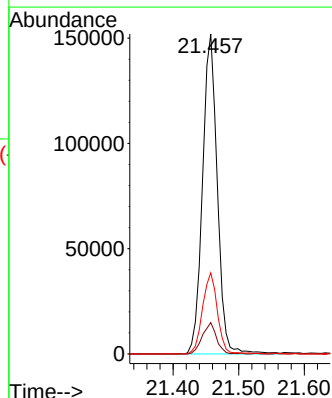
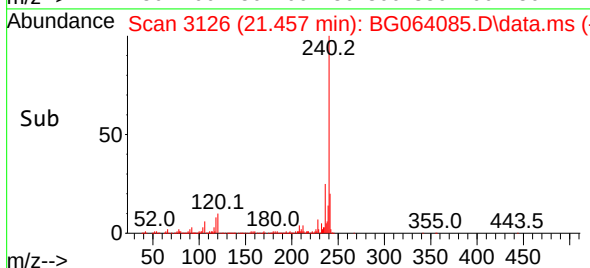
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

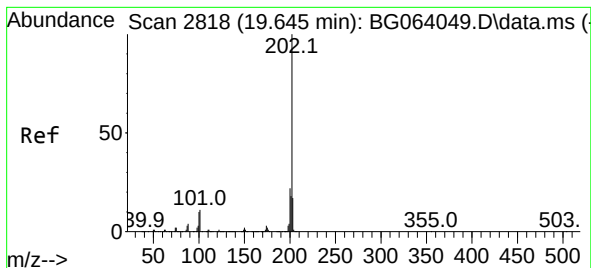


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46



Tgt Ion:240 Resp: 238781
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 25.3 20.2 30.2





#78

Pyrene

Concen: 7.111 ng

RT: 19.636 min Scan# 2816

Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

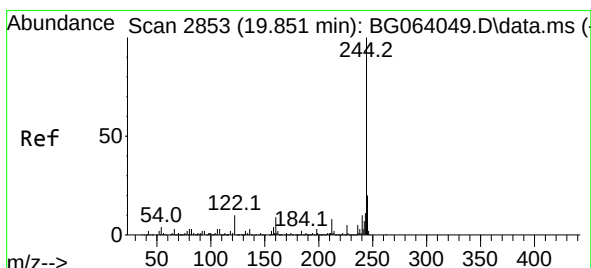
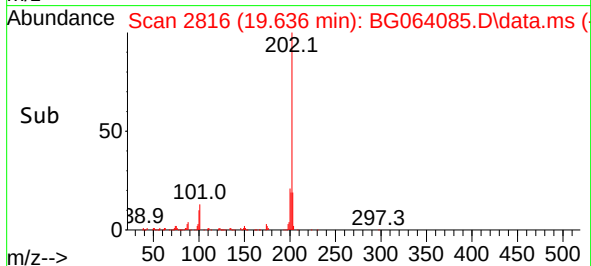
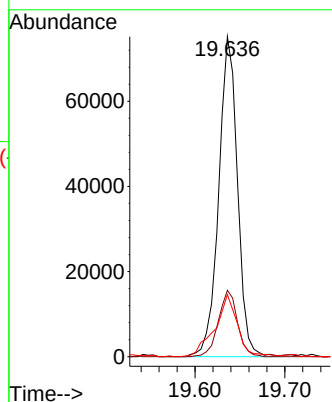
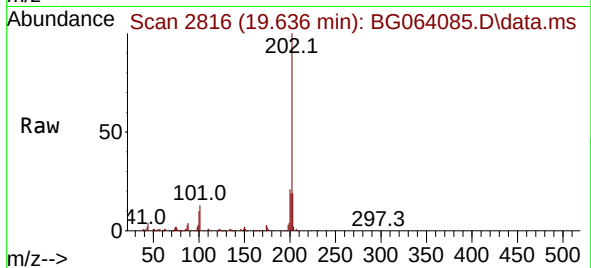
72-11930-343-COMP

Tgt Ion:202 Resp: 10944
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.3 25.9
 203 19.4 13.6 20.4

Manual Integrations

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 Supervised By :Jagrut Upadhyay 03/11/2025



#79

Terphenyl-d14

Concen: 52.382 ng

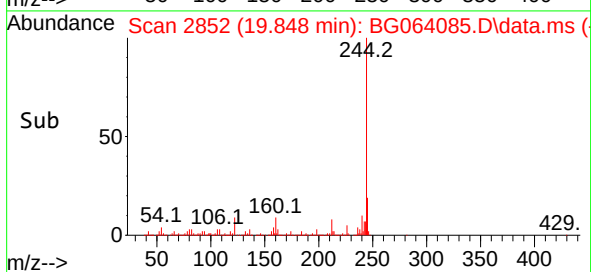
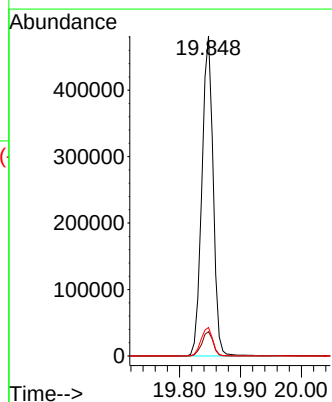
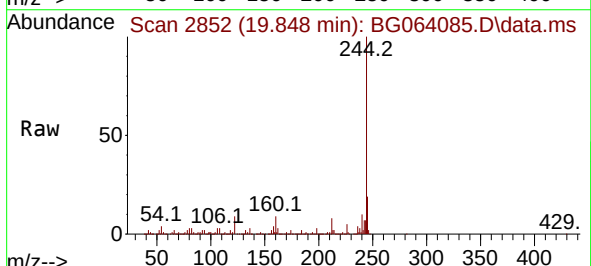
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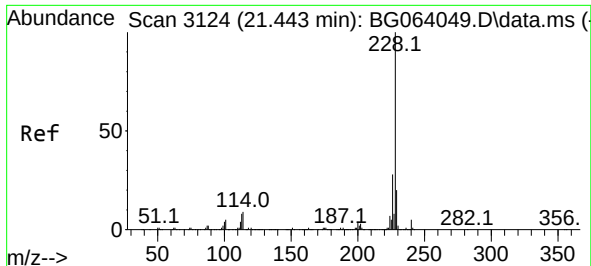
Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

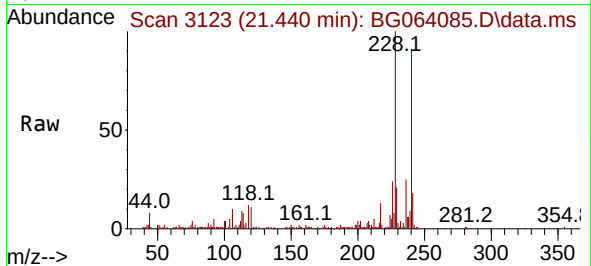
Tgt Ion:244 Resp: 618586
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 8.9 8.0 12.0





#81
Benzo(a)anthracene
Concen: 5.062 ng
RT: 21.440 min Scan# 3124
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

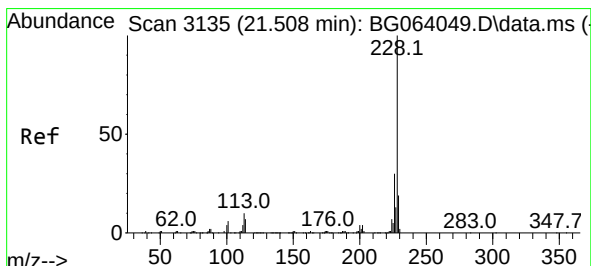
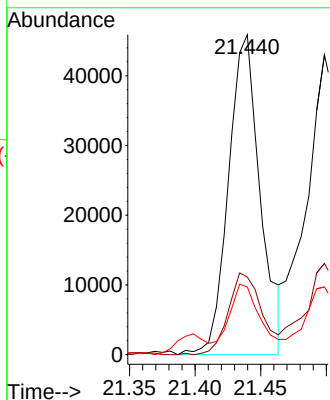
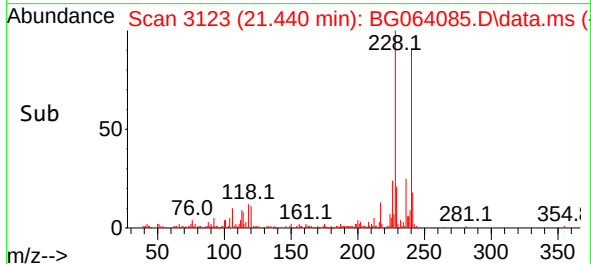
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:228 Resp: 7742
Ion Ratio Lower Upper
228 100
226 24.3 22.2 33.2
229 21.2 16.4 24.6

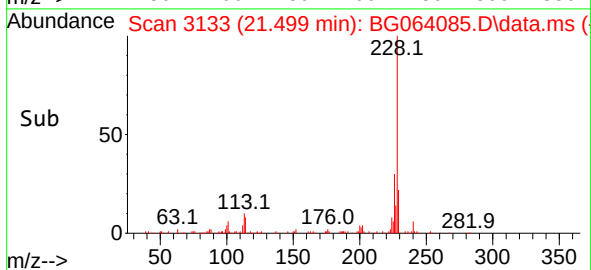
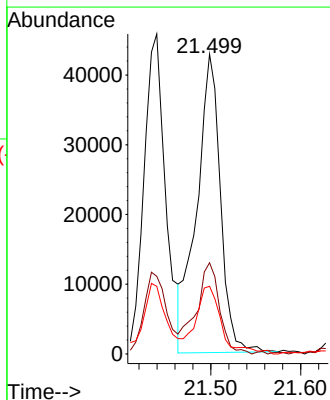
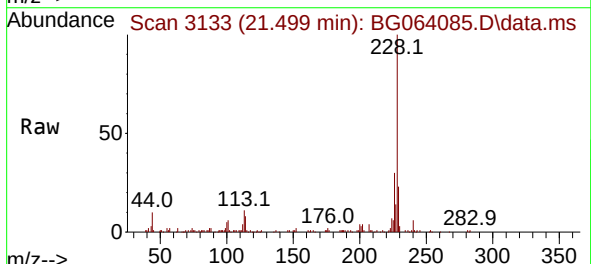
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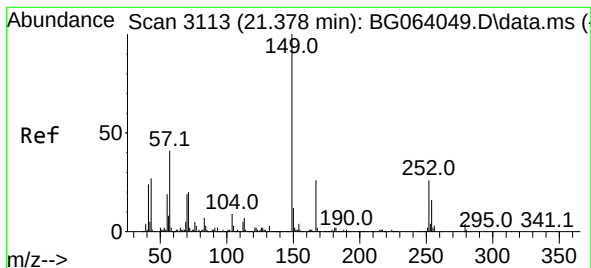
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#83
Chrysene
Concen: 5.158 ng
RT: 21.499 min Scan# 3133
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

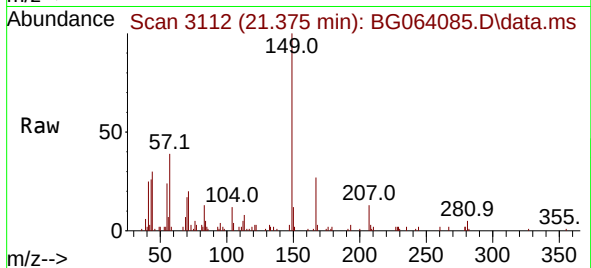
Tgt Ion:228 Resp: 78694
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 22.6 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.210 ng
RT: 21.375 min Scan# 3113
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

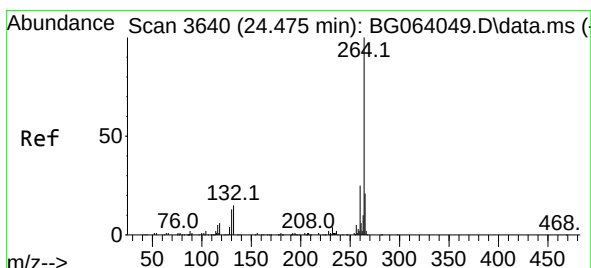
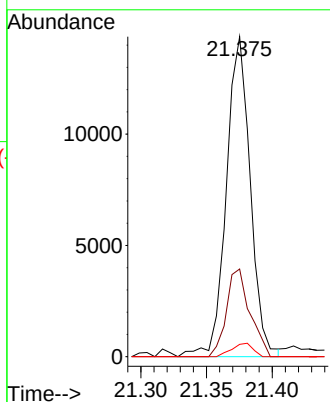
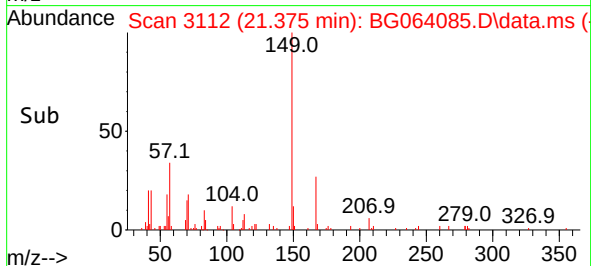
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:149 Resp: 18280
Ion Ratio Lower Upper
149 100
167 27.4 21.0 31.6
279 3.9 2.8 4.2

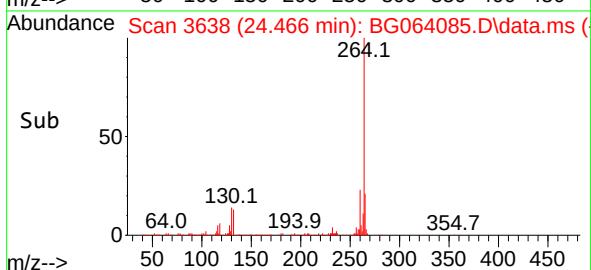
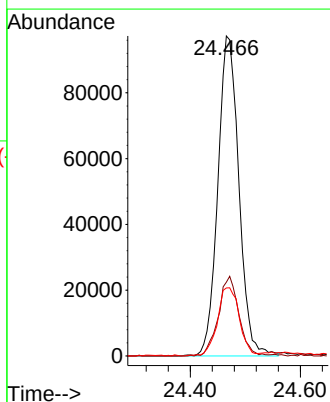
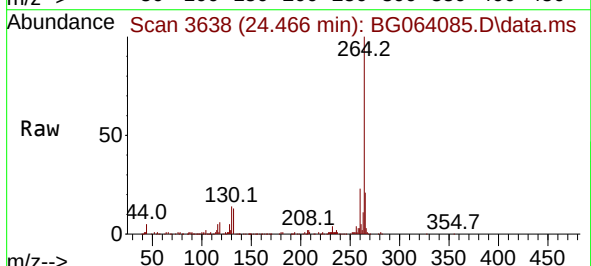
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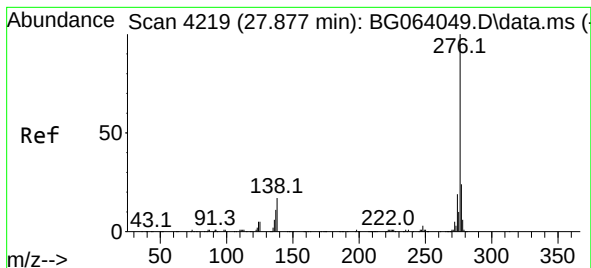
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.466 min Scan# 3638
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:264 Resp: 258504
Ion Ratio Lower Upper
264 100
260 23.1 19.6 29.4
265 21.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.482 ng

RT: 27.850 min Scan# 4214

Delta R.T. -0.027 min

Lab File: BG064085.D

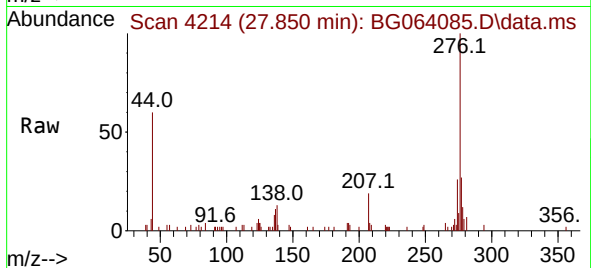
Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP



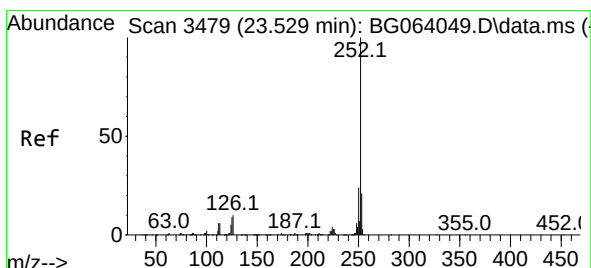
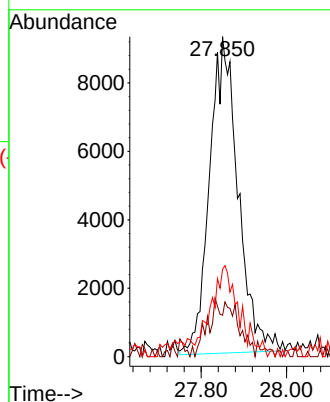
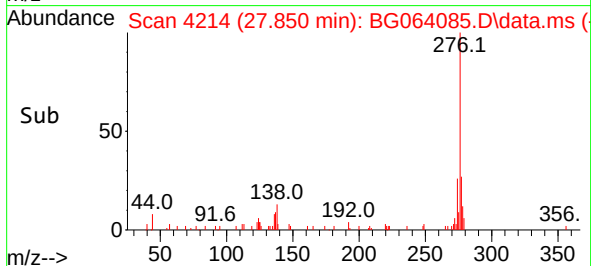
Tgt Ion:	276	Resp:	4292
Ion Ratio	Lower	Upper	
276	100		
138	0.0	12.1	18.1
277	21.0	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/11/2025

Supervised By :Jagrut Upadhyay 03/11/2025



#88

Benzo(b)fluoranthene

Concen: 6.748 ng

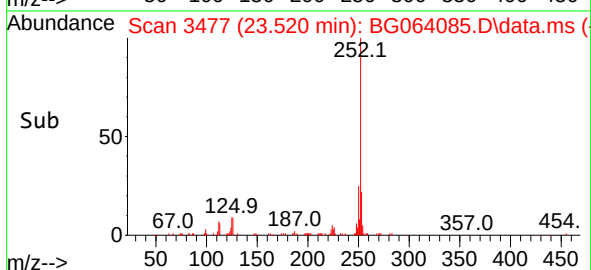
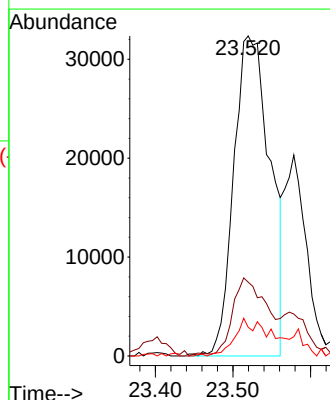
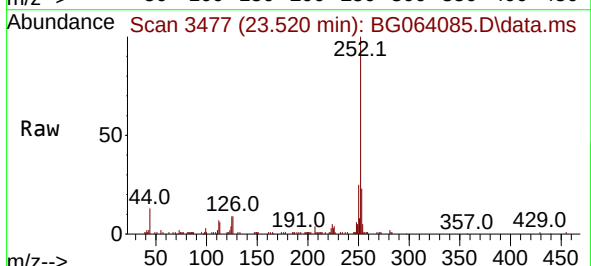
RT: 23.520 min Scan# 3477

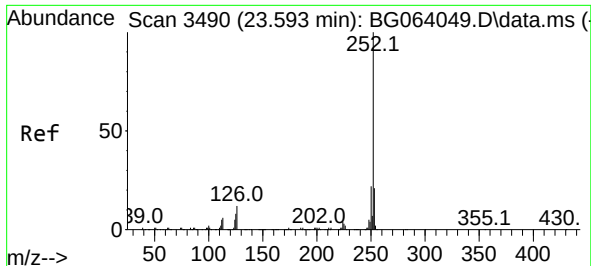
Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

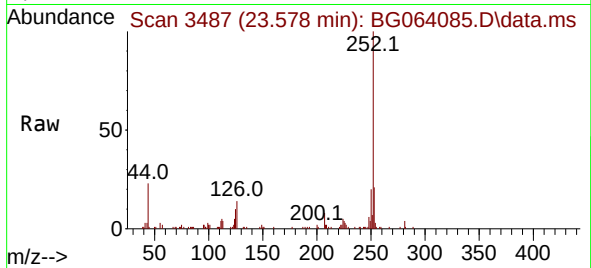
Tgt Ion:	252	Resp:	105458
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.4
125	9.0	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 2.548 ng m
RT: 23.578 min Scan# 3490
Delta R.T. -0.015 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

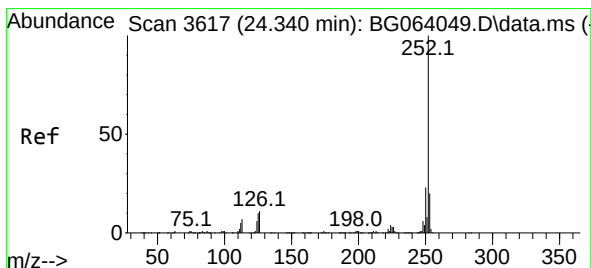
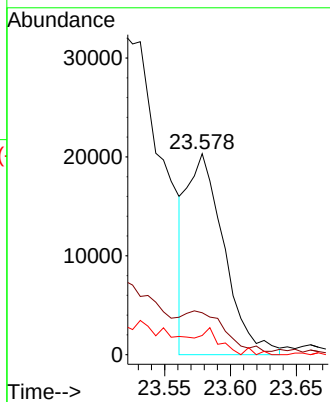
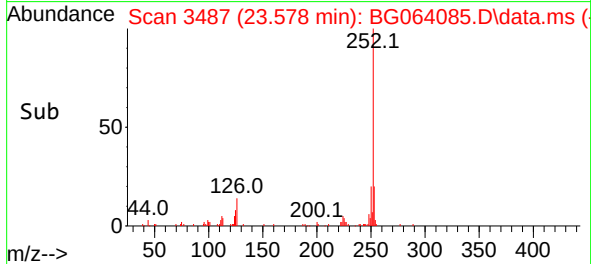
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:252 Resp: 39954
Ion Ratio Lower Upper
252 100
253 20.9 16.8 25.2
125 9.6 6.9 10.3

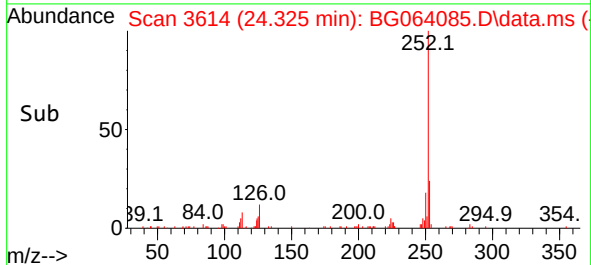
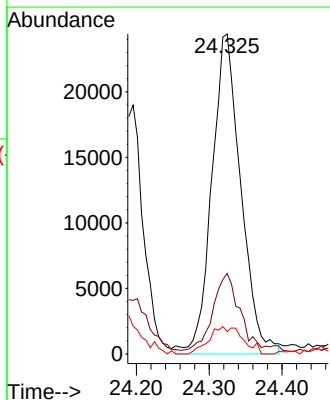
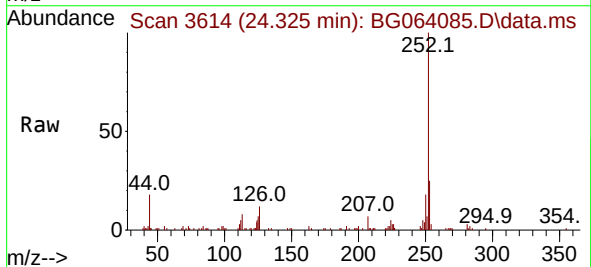
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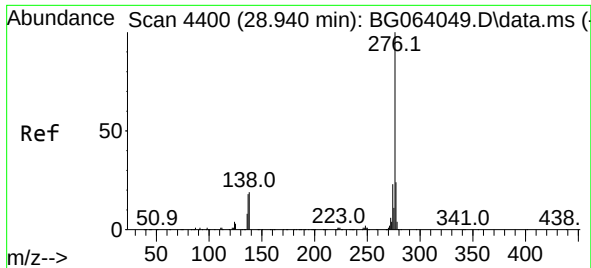
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#90
Benzo(a)pyrene
Concen: 4.839 ng m
RT: 24.325 min Scan# 3614
Delta R.T. -0.015 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

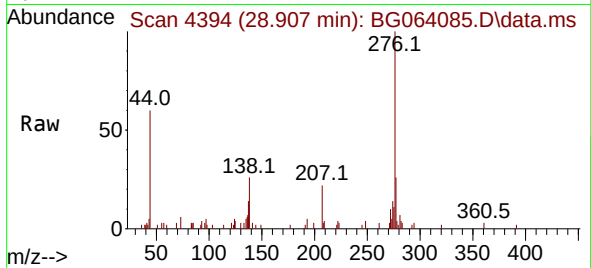
Tgt Ion:252 Resp: 67351
Ion Ratio Lower Upper
252 100
253 25.2 16.2 24.2#
125 7.0 7.8 11.6#





#92
Benzo(g,h,i)perylene
Concen: 2.729 ng
RT: 28.907 min Scan# 41
Delta R.T. -0.033 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP



Tgt Ion:276 Resp: 4018
Ion Ratio Lower Upper
276 100
277 25.7 19.5 29.3
138 26.0 15.4 23.0

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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

