

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
 Data File : BG064097.D
 Acq On : 11 Mar 2025 15:56
 Operator : RC/JU
 Sample : Q1534-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-363-COMP-18

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 16:31:30 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	7.865	152	38207	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	163333	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	106509	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	231530	20.000	ng	0.00
76) Chrysene-d12	21.455	240	234132	20.000	ng	0.00
86) Perylene-d12	24.475	264	254247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	282898	115.615	ng	0.00
7) Phenol-d6	7.031	99	384230	115.428	ng	0.00
23) Nitrobenzene-d5	9.017	82	251285	85.020	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	152911	129.156	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	502841	71.661	ng	0.00
79) Terphenyl-d14	19.845	244	780969	67.446	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.054	94	7155	2.099	ng	80
71) Phenanthrene	17.272	178	56753	4.596	ng	99
75) Fluoranthene	19.275	202	183505	12.326	ng	96
78) Pyrene	19.640	202	160457	10.631	ng	98
80) Butylbenzylphthalate	20.538	149	5064	4.464	ng	# 94
81) Benzo(a)anthracene	21.437	228	83734	5.583	ng	99
83) Chrysene	21.502	228	101172	6.764	ng	98
87) Indeno(1,2,3-cd)pyrene	27.853	276	67098	3.944	ng	96
88) Benzo(b)fluoranthene	23.529	252	136487m	8.880	ng	
89) Benzo(k)fluoranthene	23.582	252	47733m	3.096	ng	
90) Benzo(a)pyrene	24.328	252	86441	6.315	ng	97
92) Benzo(g,h,i)perylene	28.911	276	63539	4.388	ng	# 94

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

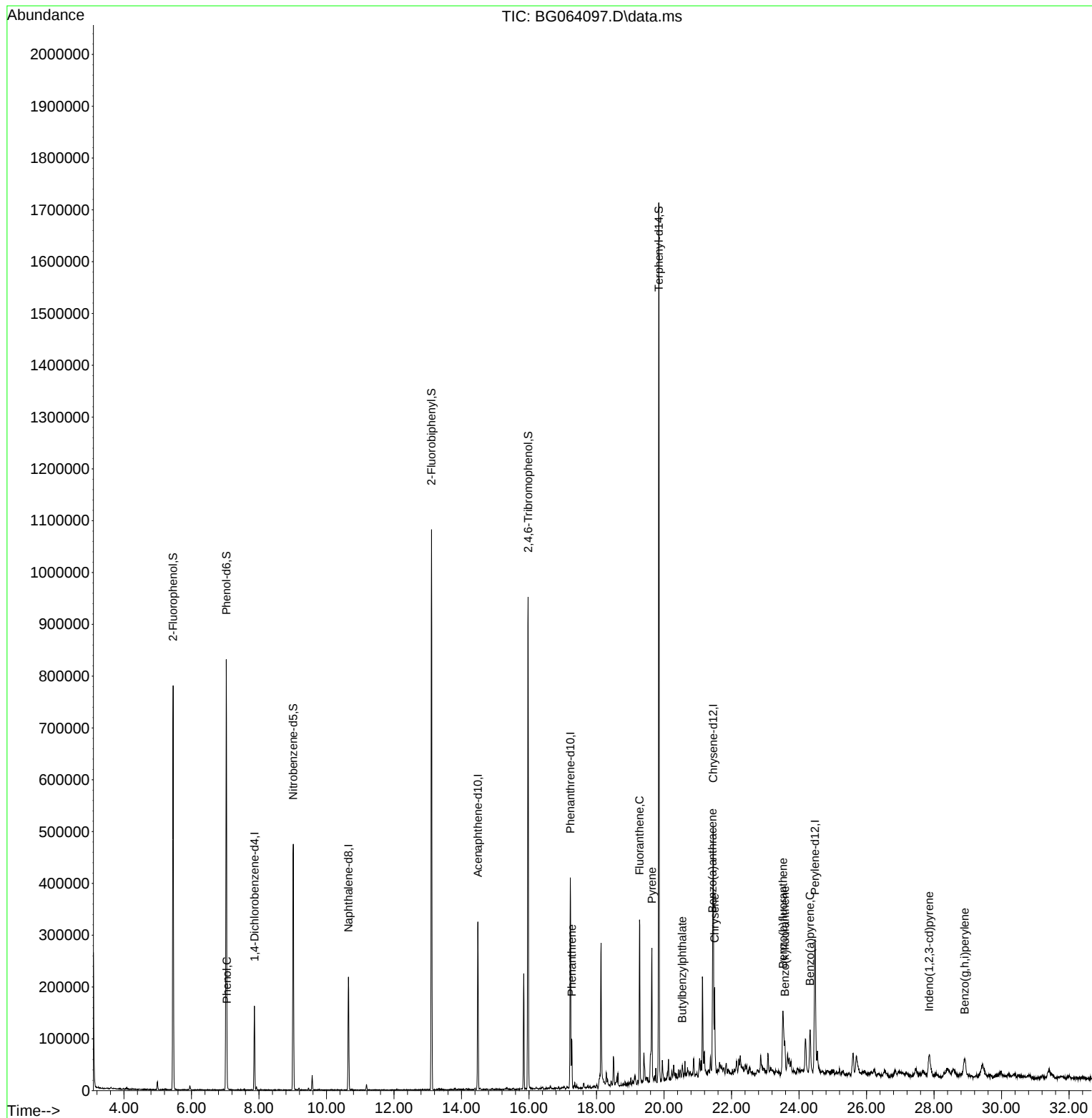
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Data File : BG064097.D
Acq On : 11 Mar 2025 15:56
Operator : RC/JU
Sample : Q1534-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

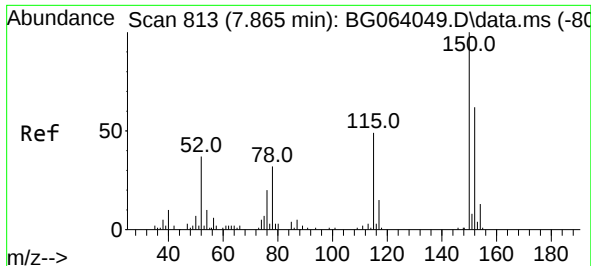
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OR-363-COMP-18

Quant Time: Mar 11 16:31:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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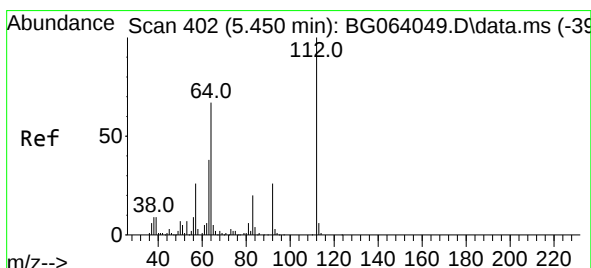
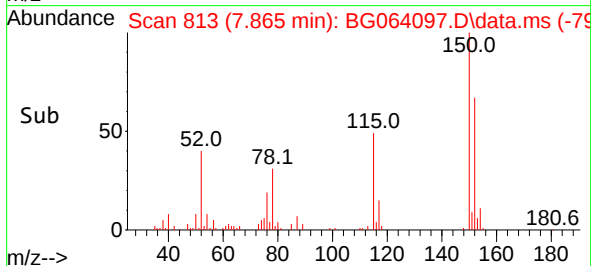
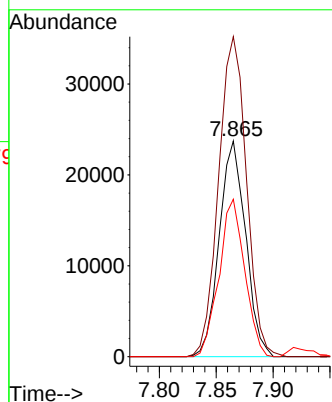
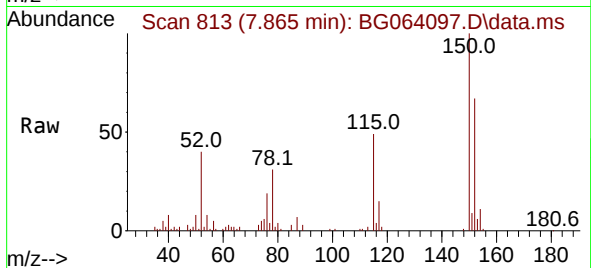
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

Tgt Ion:152 Resp: 3820
Ion Ratio Lower Upper
152 100
150 148.4 129.2 193.8
115 73.0 63.0 94.6

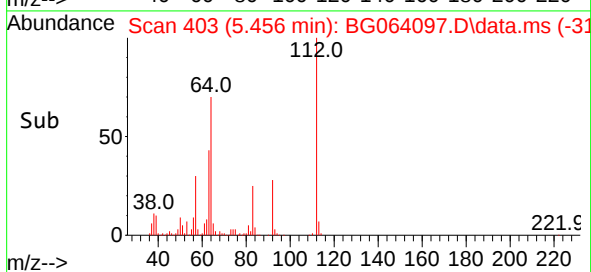
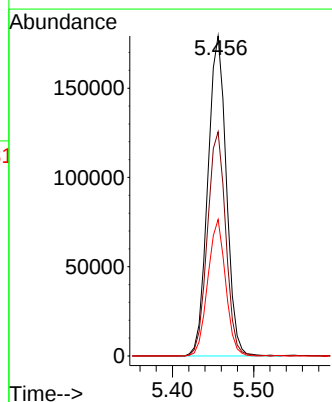
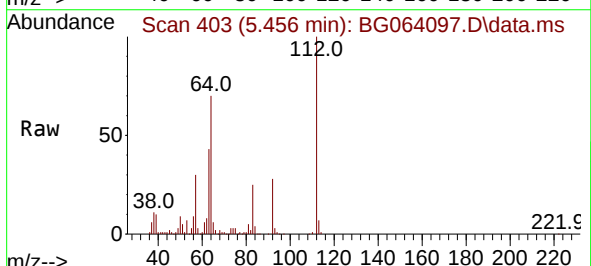
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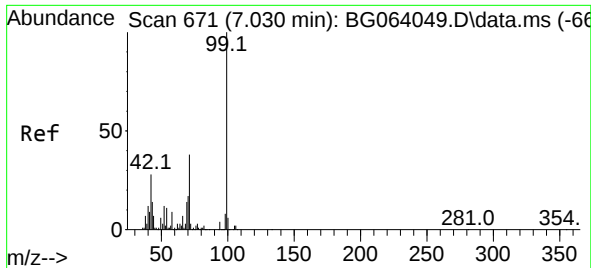
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#5
2-Fluorophenol
Concen: 115.615 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

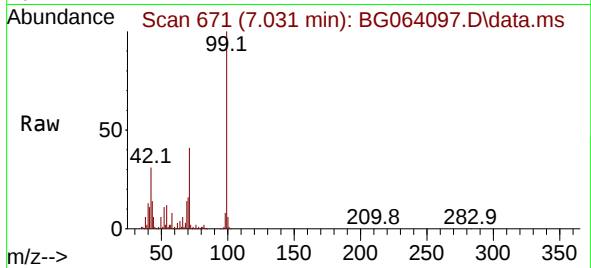
Tgt Ion:112 Resp: 282898
Ion Ratio Lower Upper
112 100
64 70.0 53.7 80.5
63 42.7 30.2 45.4





#7
Phenol-d6
Concen: 115.428 ng
RT: 7.031 min Scan# 671
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

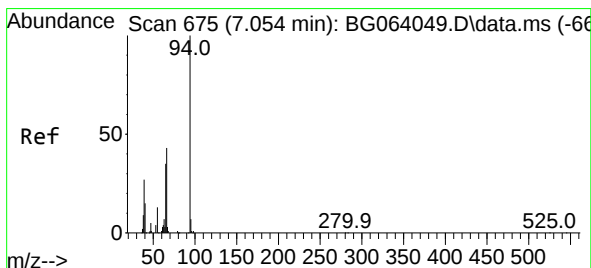
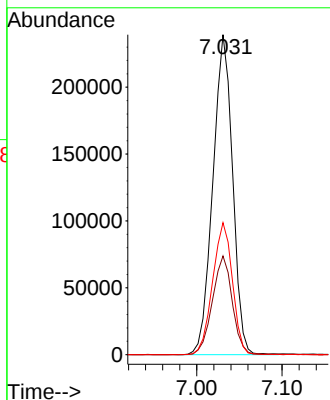
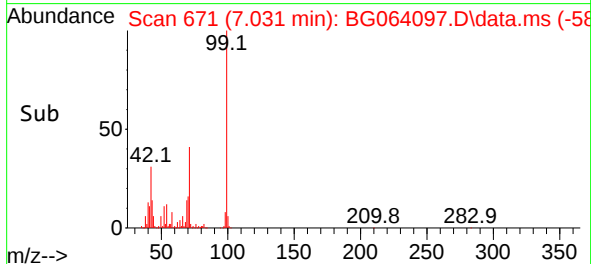
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BNA_G
ClientSampleId :
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Tgt Ion: 99 Resp: 384230
Ion Ratio Lower Upper
99 100
42 30.9 22.7 34.1
71 41.3 30.6 46.0

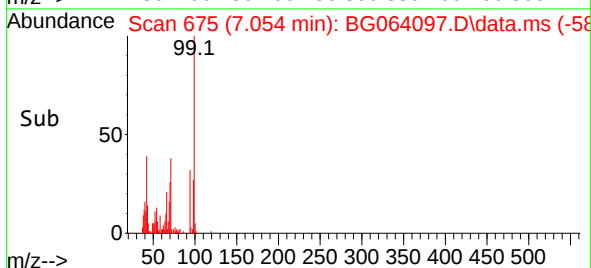
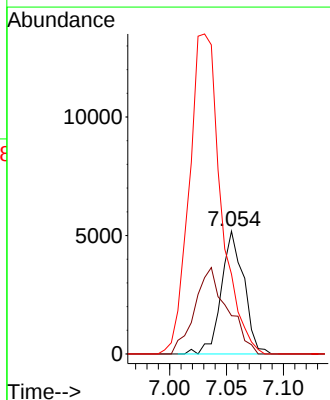
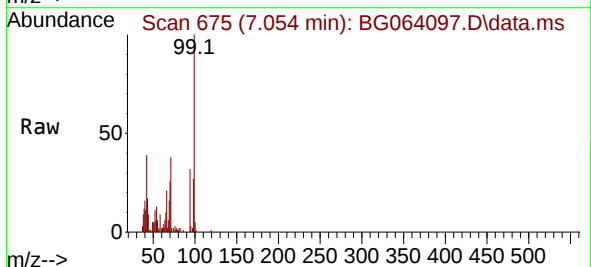
Manual Integrations
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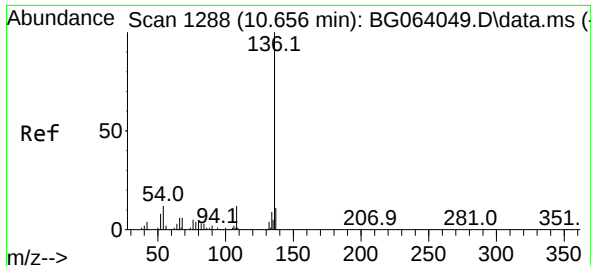
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#10
Phenol
Concen: 2.099 ng
RT: 7.054 min Scan# 675
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

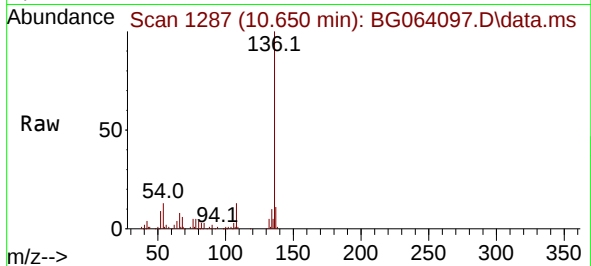
Tgt Ion: 94 Resp: 7155
Ion Ratio Lower Upper
94 100
65 31.2 15.2 55.2
66 65.0 25.1 65.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

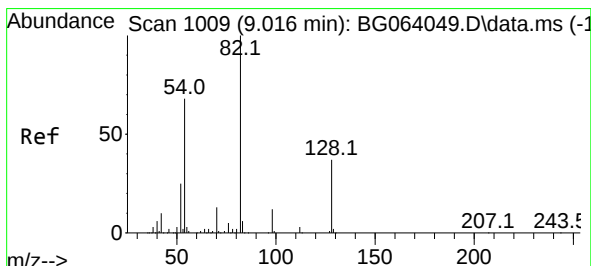
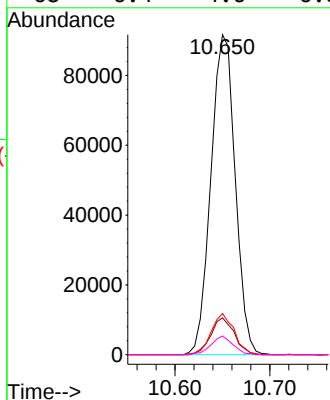
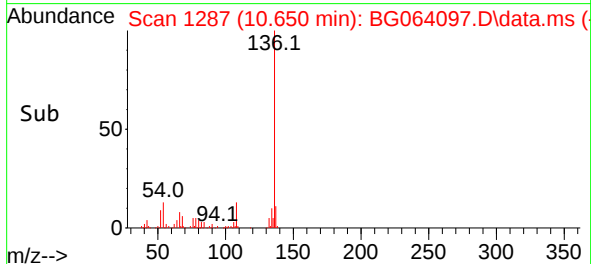
Instrument :
BNA_G
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OR-363-COMP-18



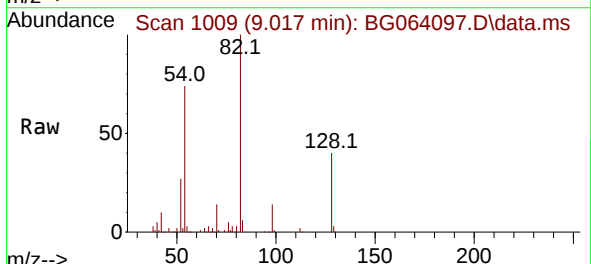
Tgt Ion:136 Resp: 16333
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 12.8 9.9 14.9
68 6.4 4.6 6.8

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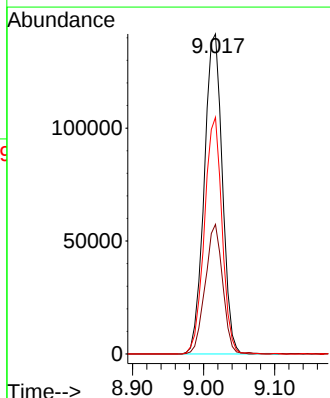
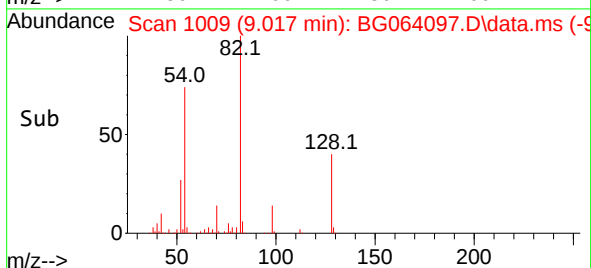
Reviewed By :Anahy Claudio 03/12/2025
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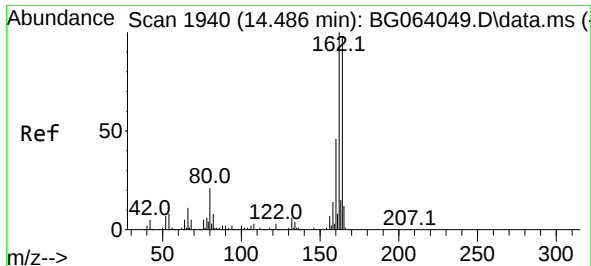


#23
Nitrobenzene-d5
Concen: 85.020 ng
RT: 9.017 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56



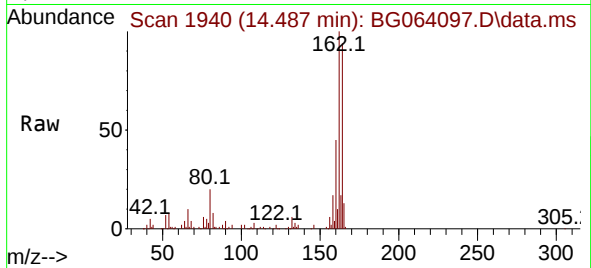
Tgt Ion: 82 Resp: 251285
Ion Ratio Lower Upper
82 100
128 40.5 30.0 45.0
54 73.9 54.7 82.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

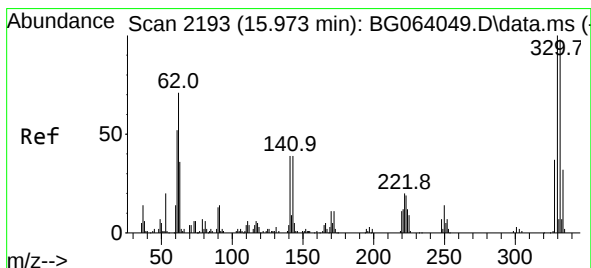
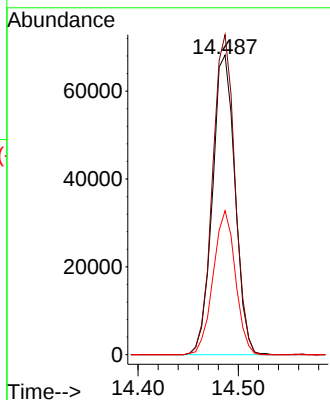
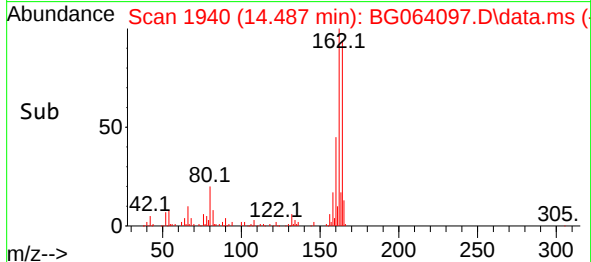
Instrument :
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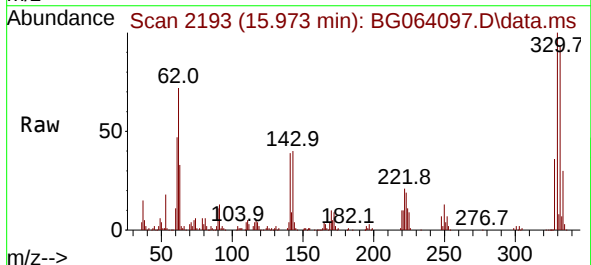
Tgt Ion:164 Resp: 106509
Ion Ratio Lower Upper
164 100
162 106.8 81.4 122.0
160 48.0 37.0 55.6

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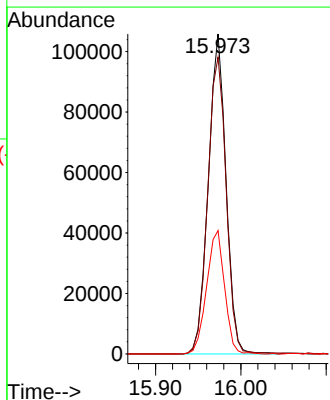
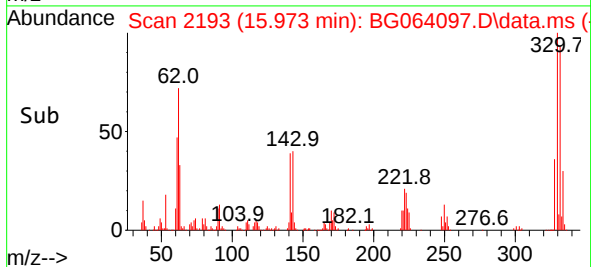
Reviewed By :Anahy Claudio 03/12/2025
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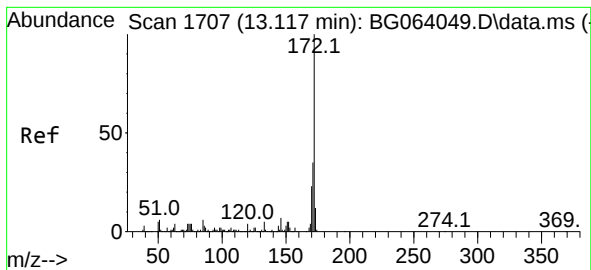


#42
2,4,6-Tribromophenol
Concen: 129.156 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56



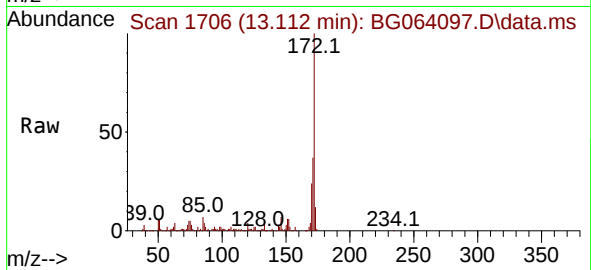
Tgt Ion:330 Resp: 152911
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 39.1 29.7 44.5





#45
2-Fluorobiphenyl
Concen: 71.661 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

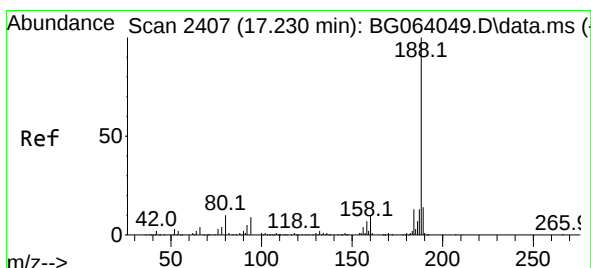
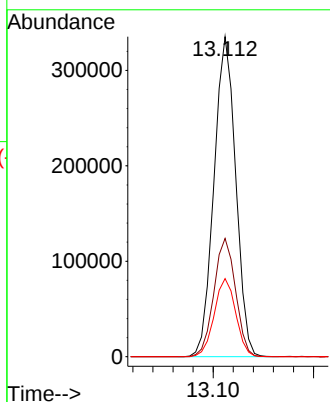
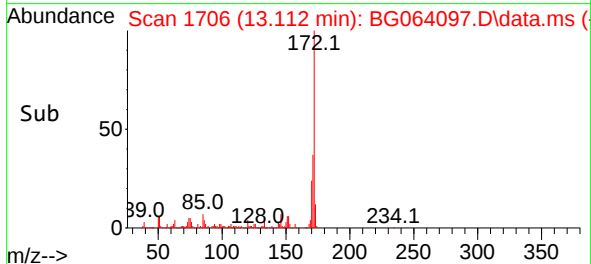
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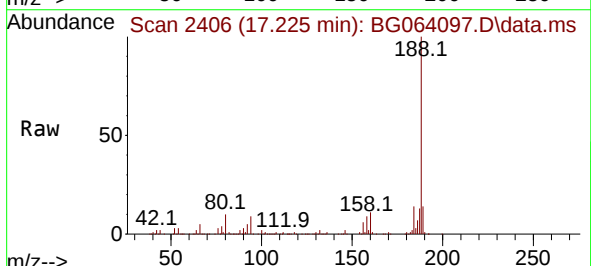
Tgt Ion:172 Resp: 50284
Ion Ratio Lower Upper
172 100
171 37.0 28.0 42.0
170 24.4 18.7 28.1

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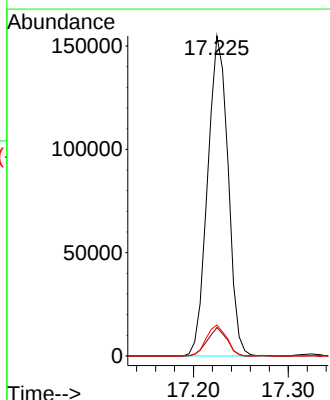
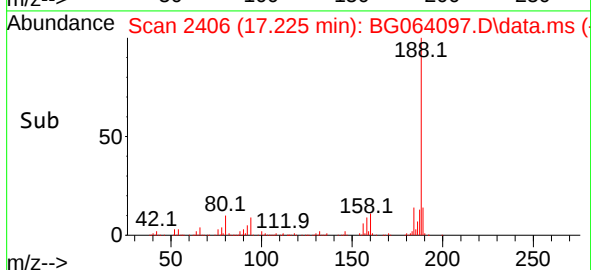
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

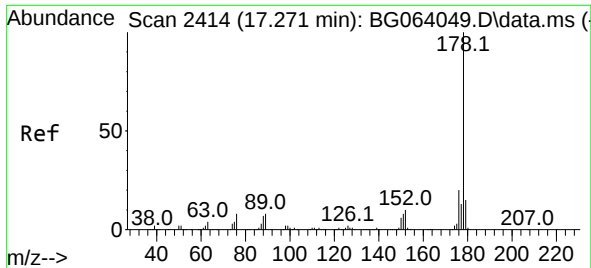


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.005 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56



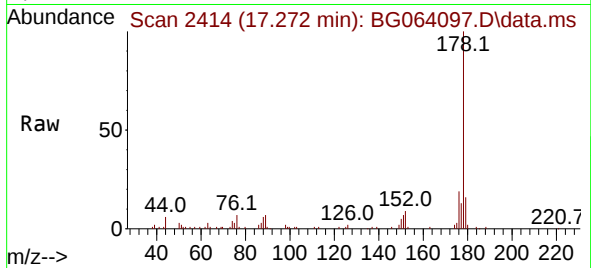
Tgt Ion:188 Resp: 231530
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 9.6 8.1 12.1





#71
Phenanthrene
Concen: 4.596 ng
RT: 17.272 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

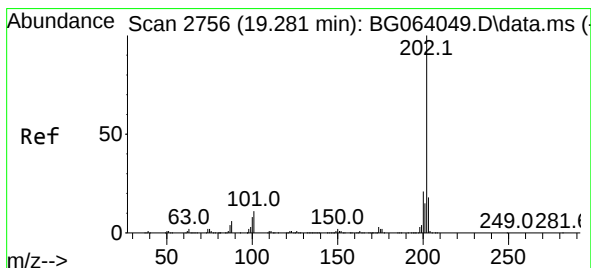
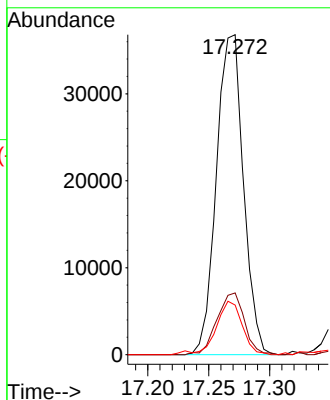
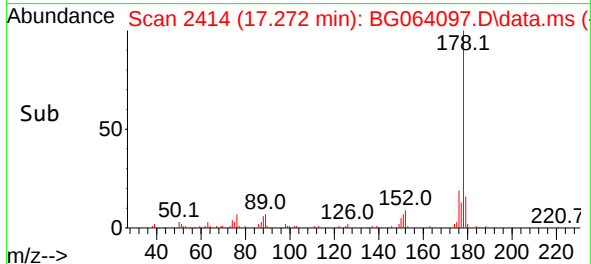
Instrument :
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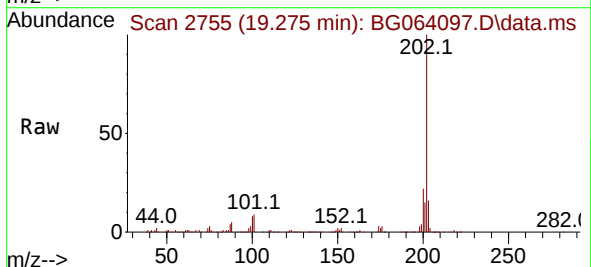
Tgt Ion:178 Resp: 5675
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.5 12.2 18.2

Manual Integrations
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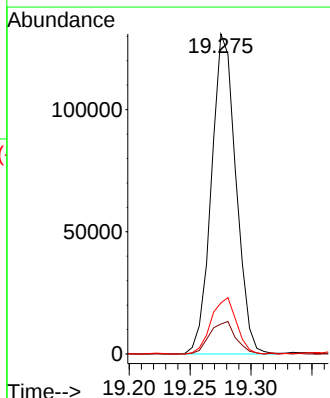
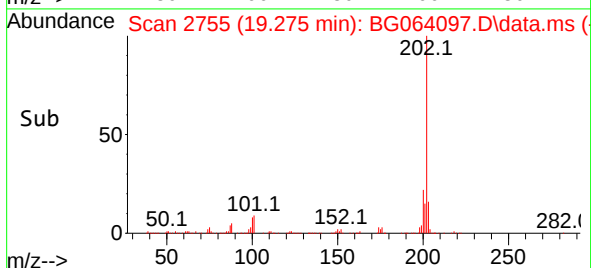
Reviewed By :Anahy Claudio 03/12/2025
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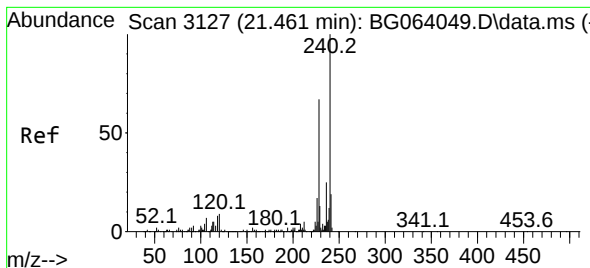


#75
Fluoranthene
Concen: 12.326 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56



Tgt Ion:202 Resp: 183505
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 15.9 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.455 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

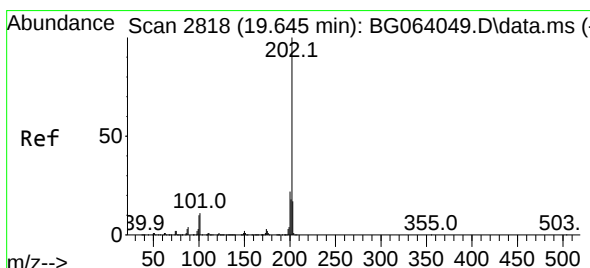
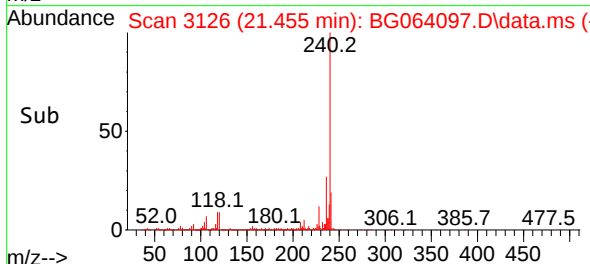
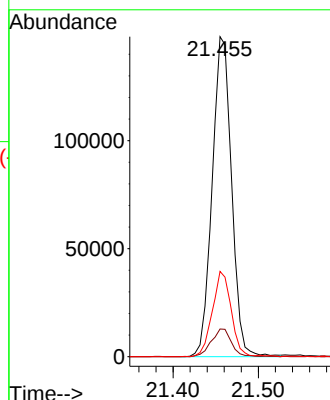
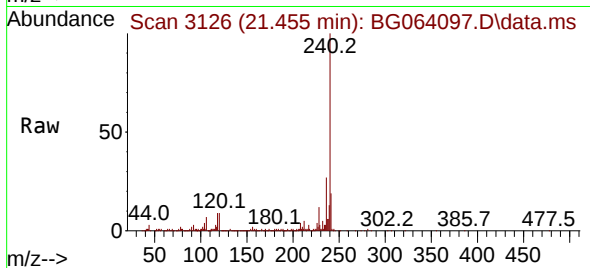
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Tgt Ion:240 Resp: 234132
 Ion Ratio Lower Upper
 240 100
 120 8.7 7.2 10.8
 236 26.6 20.2 30.2

Manual Integrations

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#78

Pyrene

Concen: 10.631 ng

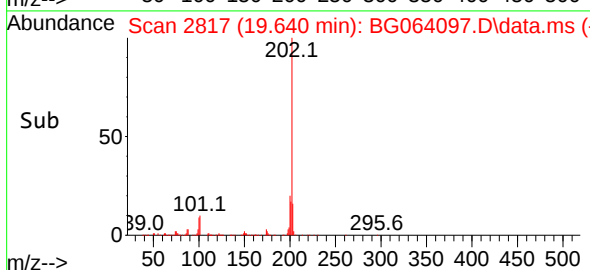
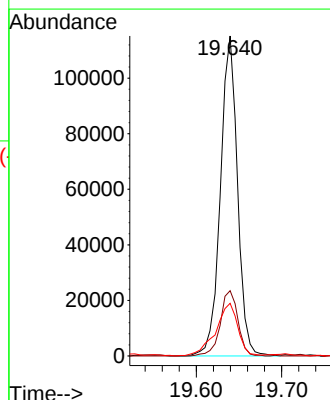
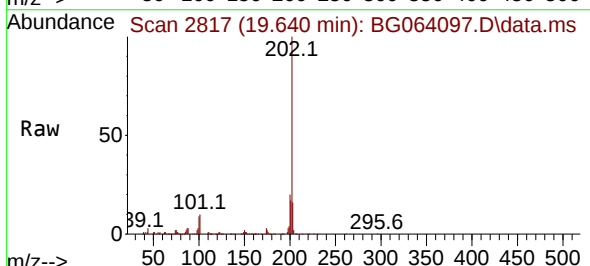
RT: 19.640 min Scan# 2817

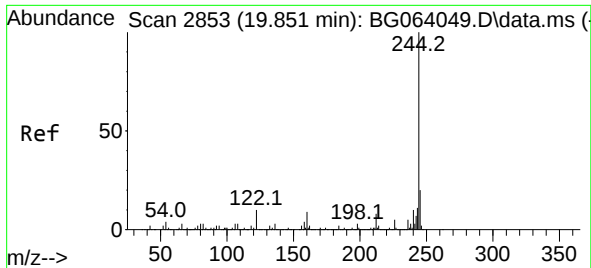
Delta R.T. -0.005 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

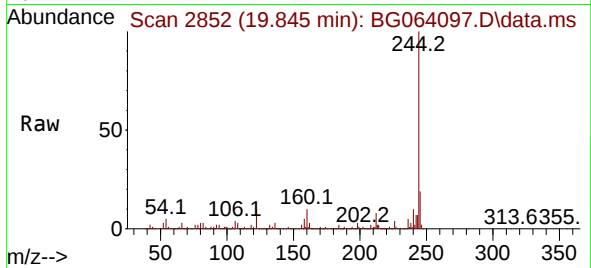
Tgt Ion:202 Resp: 160457
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.3 25.9
 203 16.5 13.6 20.4





#79
 Terphenyl-d14
 Concen: 67.446 ng
 RT: 19.845 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064097.D
 Acq: 11 Mar 2025 15:56

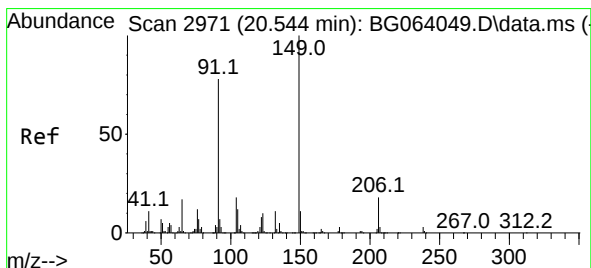
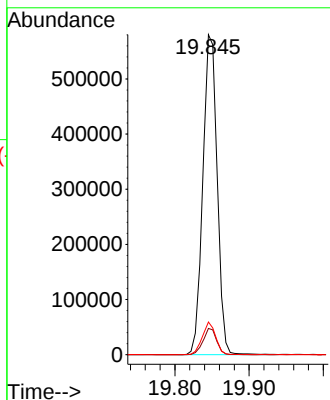
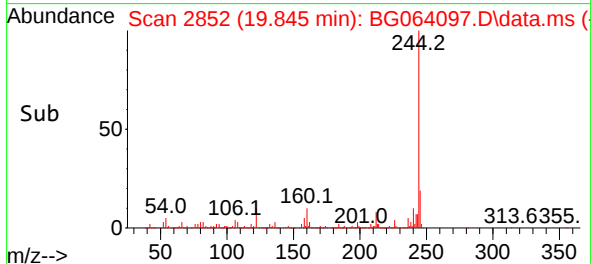
Instrument :
 BNA_G
 ClientSampleId :
 OR-363-COMP-18



Tgt Ion:244 Resp: 78096
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.4
 122 10.2 8.0 12.0

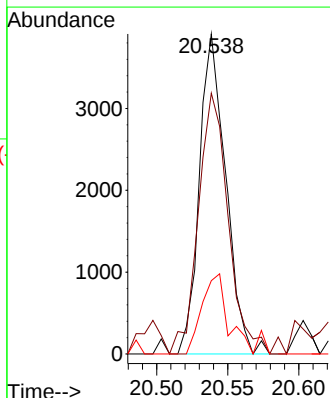
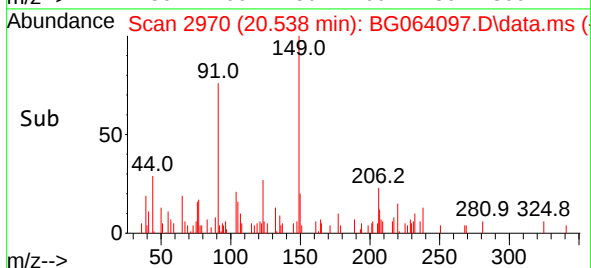
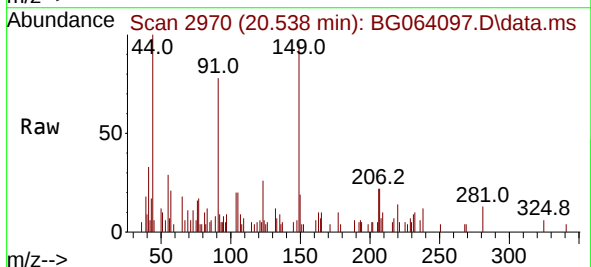
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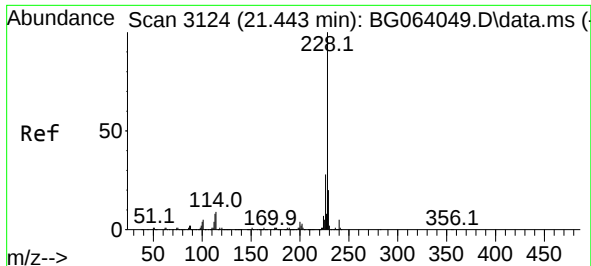
Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025



#80
 Butylbenzylphthalate
 Concen: 4.464 ng
 RT: 20.538 min Scan# 2970
 Delta R.T. -0.006 min
 Lab File: BG064097.D
 Acq: 11 Mar 2025 15:56

Tgt Ion:149 Resp: 5064
 Ion Ratio Lower Upper
 149 100
 91 81.5 62.0 93.0
 206 22.9 14.6 21.8#





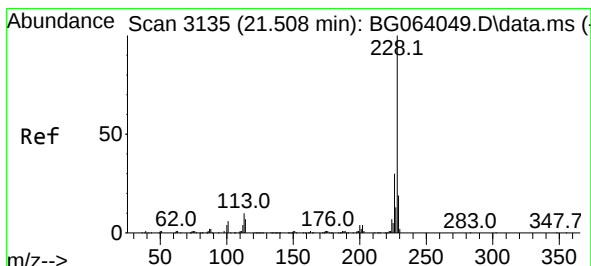
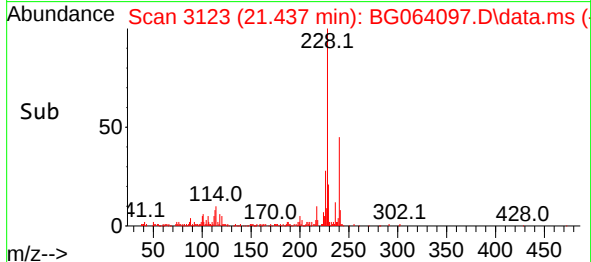
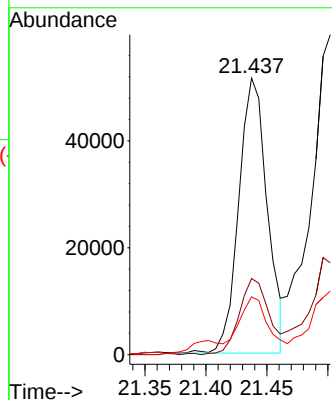
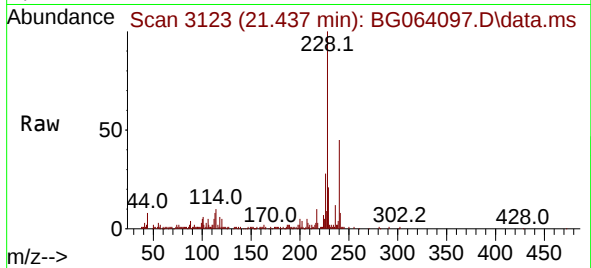
#81
Benzo(a)anthracene
Concen: 5.583 ng
RT: 21.437 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

Tgt Ion:228 Resp: 83734
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 20.9 16.4 24.6

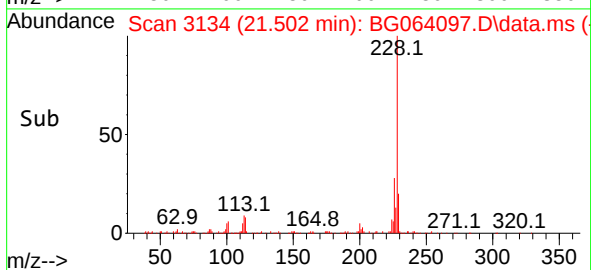
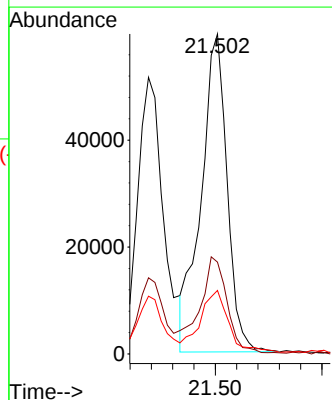
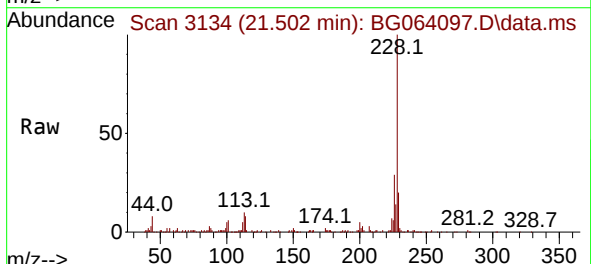
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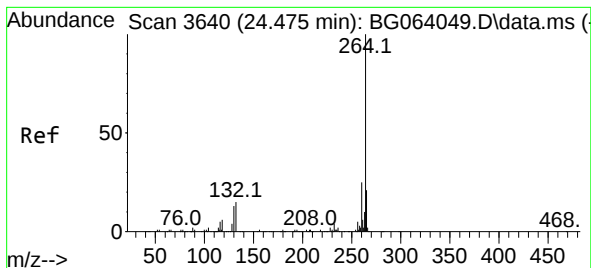
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#83
Chrysene
Concen: 6.764 ng
RT: 21.502 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:228 Resp: 101172
Ion Ratio Lower Upper
228 100
226 28.7 23.9 35.9
229 19.9 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.475 min Scan# 30

Delta R.T. 0.000 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

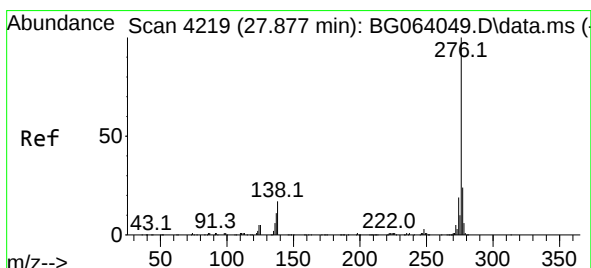
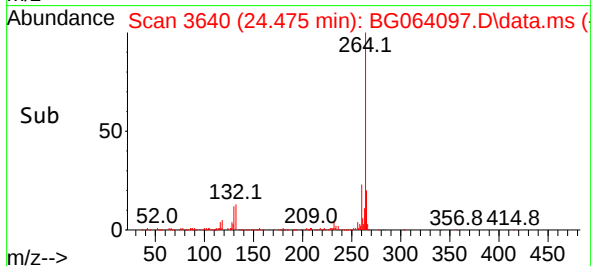
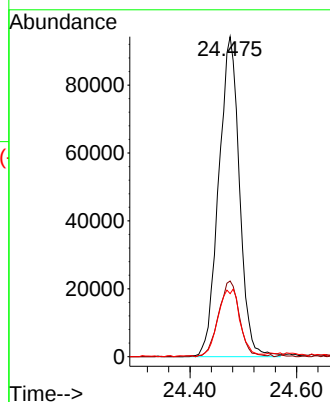
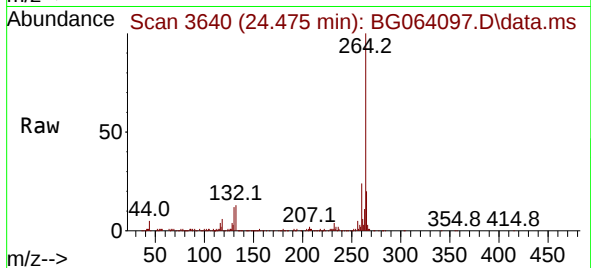
OR-363-COMP-18

Tgt Ion:	264	Resp:	25424
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.6	29.4
265	19.7	16.6	25.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.944 ng

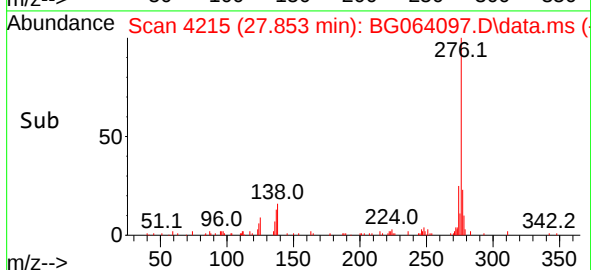
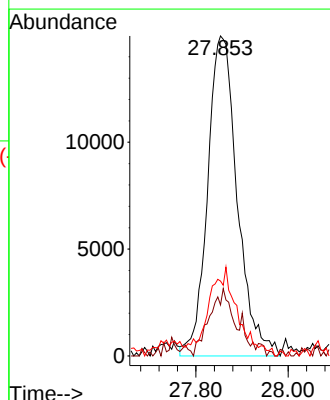
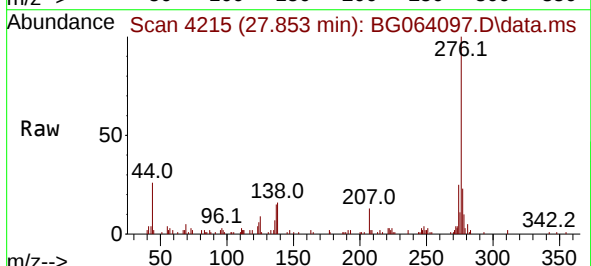
RT: 27.853 min Scan# 4215

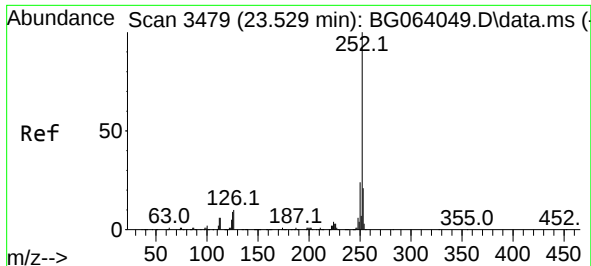
Delta R.T. -0.023 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

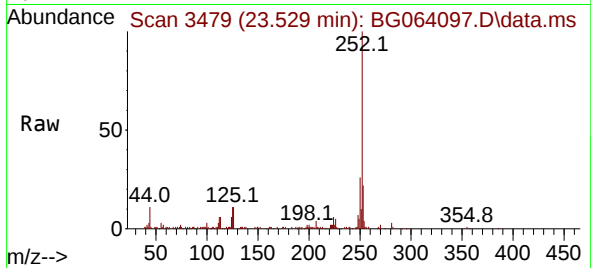
Tgt Ion:	276	Resp:	67098
Ion Ratio	Lower	Upper	
276	100		
138	16.2	12.1	18.1
277	27.2	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 8.880 ng m
RT: 23.529 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

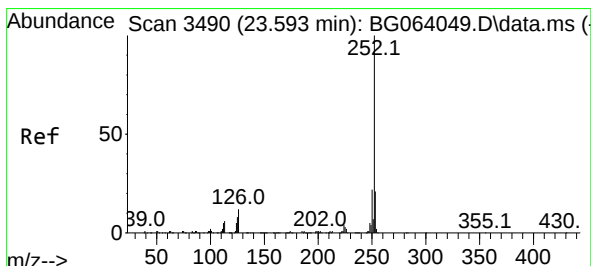
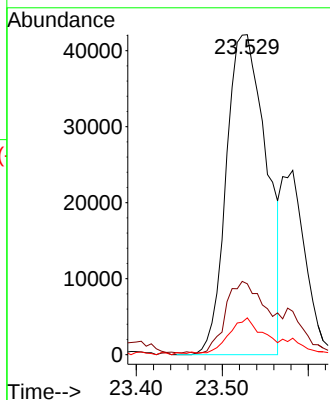
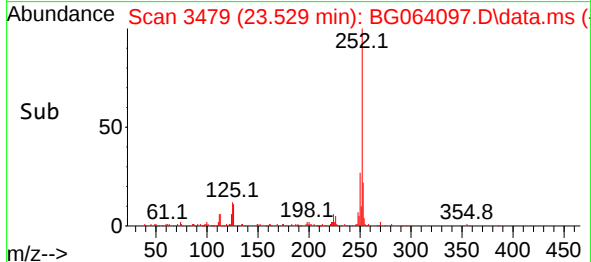
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18



Tgt Ion:252 Resp: 13648
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 11.5 7.4 11.2

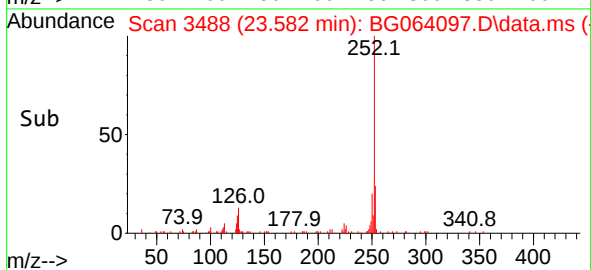
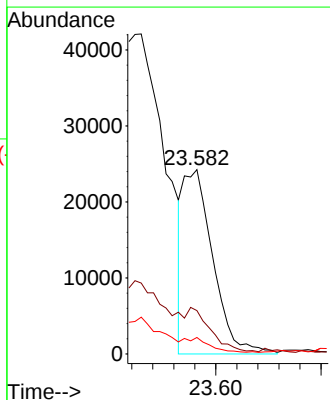
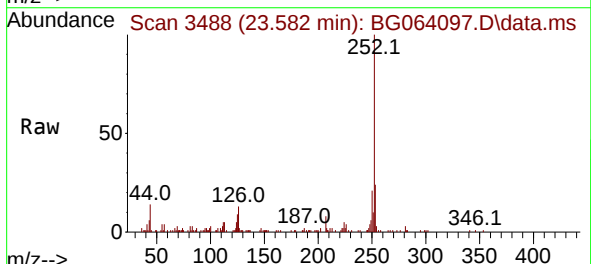
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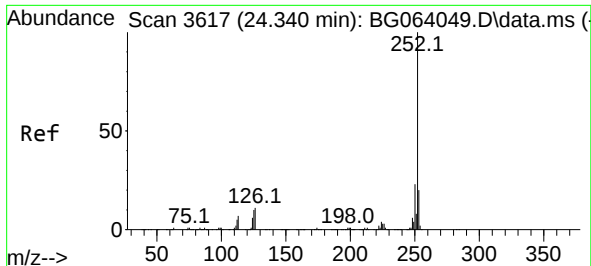
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#89
Benzo(k)fluoranthene
Concen: 3.096 ng m
RT: 23.582 min Scan# 3488
Delta R.T. -0.011 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:252 Resp: 47733
Ion Ratio Lower Upper
252 100
253 23.5 16.8 25.2
125 8.9 6.9 10.3





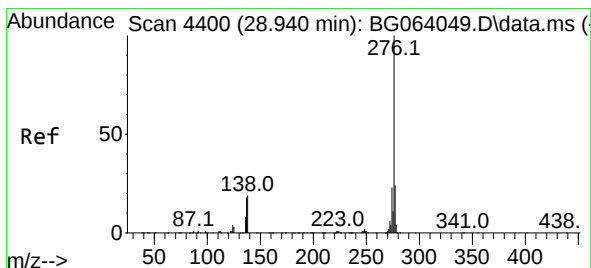
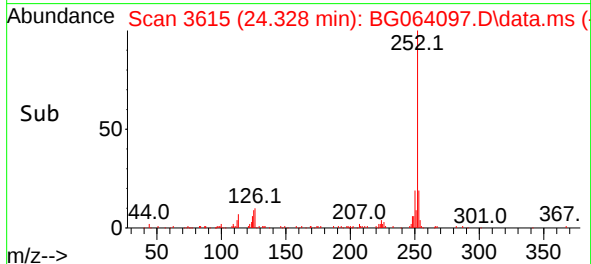
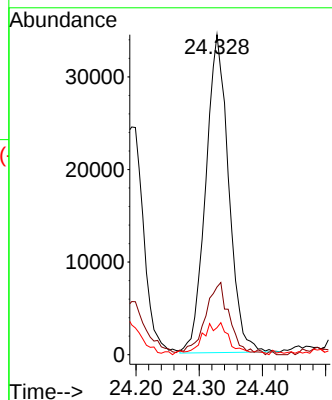
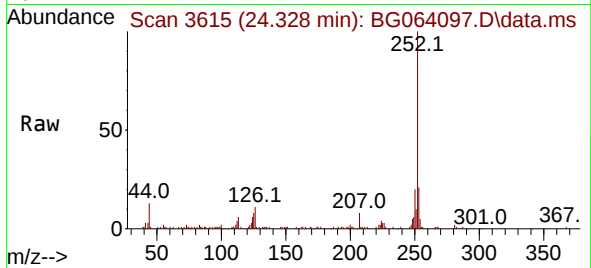
#90
Benzo(a)pyrene
Concen: 6.315 ng
RT: 24.328 min Scan# 301
Delta R.T. -0.011 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

Tgt Ion:252 Resp: 8644
Ion Ratio Lower Upper
252 100
253 21.2 16.2 24.2
125 8.5 7.8 11.6

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Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#92
Benzo(g,h,i)perylene
Concen: 4.388 ng
RT: 28.911 min Scan# 4395
Delta R.T. -0.029 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:276 Resp: 63539
Ion Ratio Lower Upper
276 100
277 22.8 19.5 29.3
138 15.1 15.4 23.0#

