

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064544.D
 Acq On : 17 Oct 2025 20:34
 Operator : RC/JU
 Sample : Q3366-03 5X
 Misc : 8270/625.1 SPIKE
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-1-101625

Manual Integrations
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Reviewed By :Rahul Chavli 10/20/2025
 Supervised By :Jagrut Upadhyay 10/20/2025

Quant Time: Oct 17 23:22:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 02 16:40:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/20/2025
1) 1,4-Dichlorobenzene-d4	7.818	152	17068	20.000	ng	# 0.00	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	10.603	136	68531	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.446	164	50459	20.000	ng	0.00	
64) Phenanthrene-d10	17.189	188	111106	20.000	ng	0.00	
76) Chrysene-d12	21.414	240	122147	20.000	ng	0.00	
86) Perylene-d12	24.404	264	143180	20.000	ng	# 0.02	10/20/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.415	112	14960	16.221	ng	0.00	
7) Phenol-d6	6.995	99	18220	14.701	ng	0.00	
23) Nitrobenzene-d5	8.976	82	12927	10.143	ng	0.00	
42) 2,4,6-Tribromophenol	15.938	330	12787	13.980	ng	0.00	
45) 2-Fluorobiphenyl	13.065	172	36241	10.587	ng	0.00	
79) Terphenyl-d14	19.804	244	69180	10.718	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.656	128	16436	4.657	ng	# 95	
37) 2-Methylnaphthalene	12.266	142	13126	4.845	ng	# 87	
38) 1-Methylnaphthalene	12.489	142	11514m	4.263	ng		
55) Dibenzofuran	14.845	168	13789	2.988	ng	# 93	
58) Fluorene	15.491	166	23182	6.043	ng	92	
71) Phenanthrene	17.231	178	176063	30.302	ng	99	
72) Anthracene	17.319	178	31402	5.387	ng	99	
73) Carbazole	17.589	167	13769	2.733	ng	# 88	
75) Fluoranthene	19.246	202	232300	33.466	ng	97	
78) Pyrene	19.604	202	230163	29.036	ng	98	
81) Benzo(a)anthracene	21.396	228	128261	16.445	ng	98	
83) Chrysene	21.461	228	119847m	16.203	ng		
87) Indeno(1,2,3-cd)pyrene	27.771	276	67616	6.785	ng	# 89	
88) Benzo(b)fluoranthene	23.464	252	148919	18.282	ng	# 97	
89) Benzo(k)fluoranthene	23.523	252	61368m	7.480	ng		
90) Benzo(a)pyrene	24.263	252	114806	15.293	ng	95	
91) Dibenzo(a,h)anthracene	27.795	278	19606m	2.460	ng		
92) Benzo(g,h,i)perylene	28.817	276	68574	8.854	ng	# 95	

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

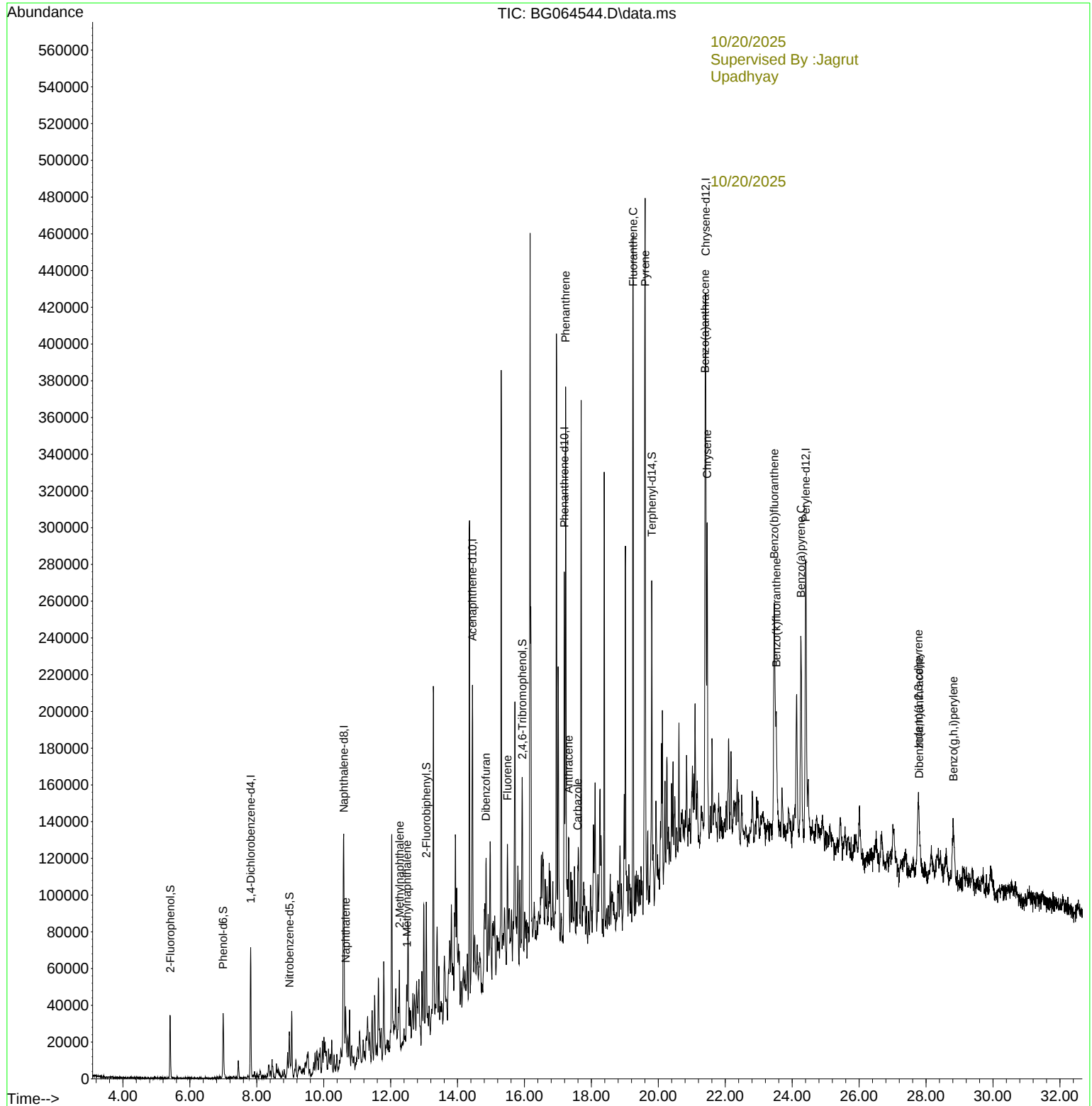
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
Data File : BG064544.D
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ALS Vial : 15 Sample Multiplier: 1

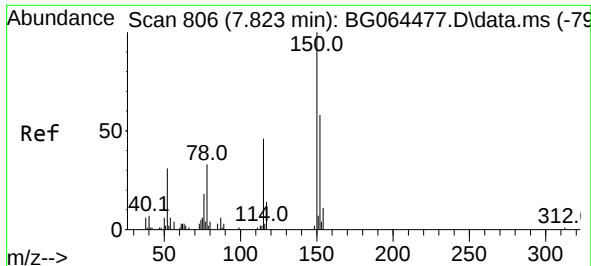
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

Quant Time: Oct 17 23:22:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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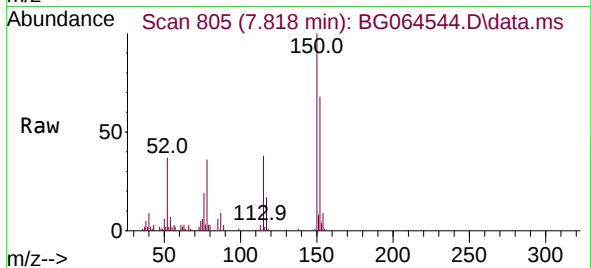
Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

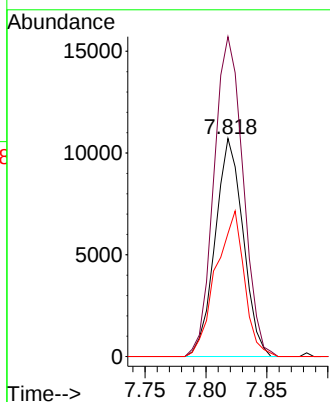
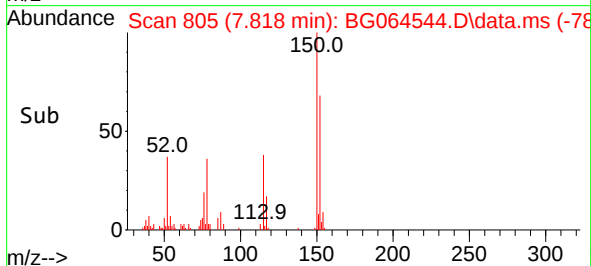
Instrument :
BNA_G
ClientSampleId :
TR-1-101625



Tgt Ion:152 Resp: 17068
Ion Ratio Lower Upper
152 100
150 146.6 138.6 207.8
115 56.4 63.4 95.2

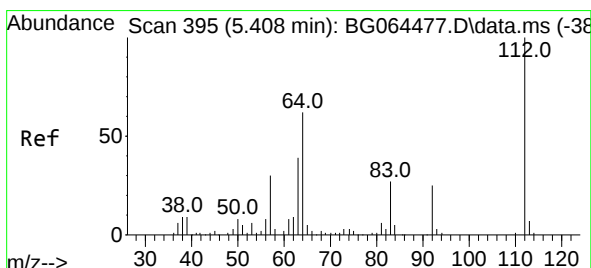
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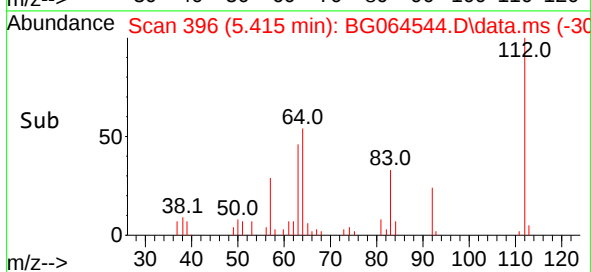
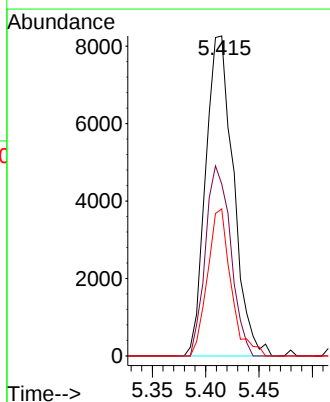
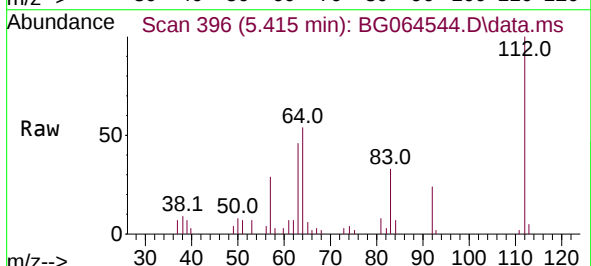
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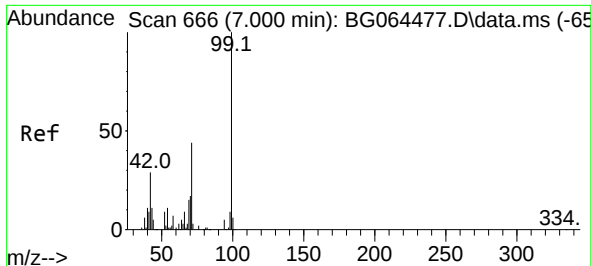
10/20/2025



#5
2-Fluorophenol
Concen: 16.221 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

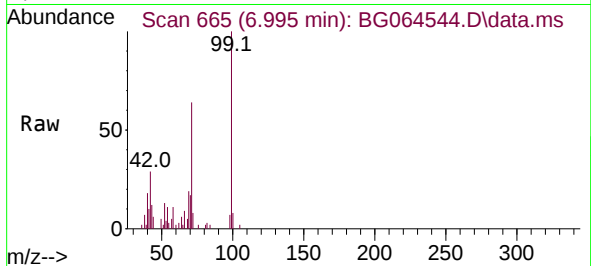
Tgt Ion:112 Resp: 14960
Ion Ratio Lower Upper
112 100
64 53.7 49.8 74.8
63 45.9 31.3 46.9





#7
Phenol-d6
Concen: 14.701 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

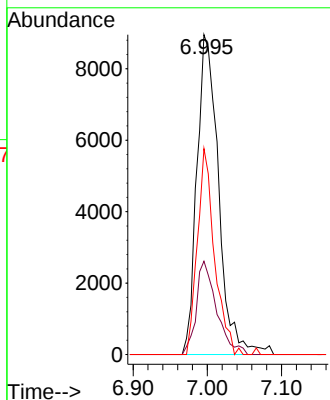
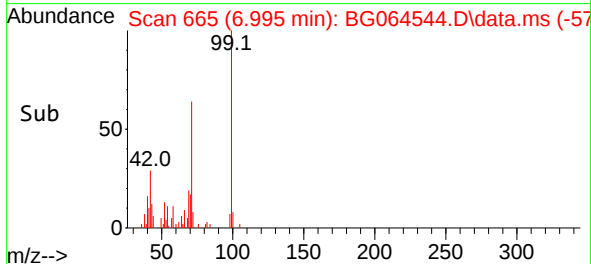
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ClientSampleId :
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Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	29.2		22.9	34.3	
71	64.4		35.4	53.2	

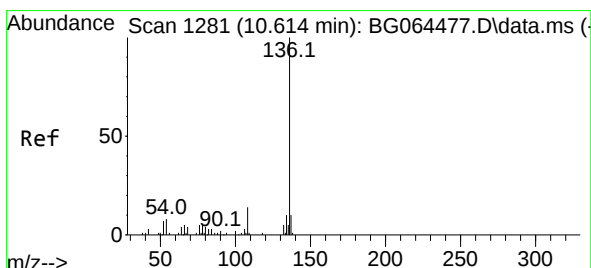
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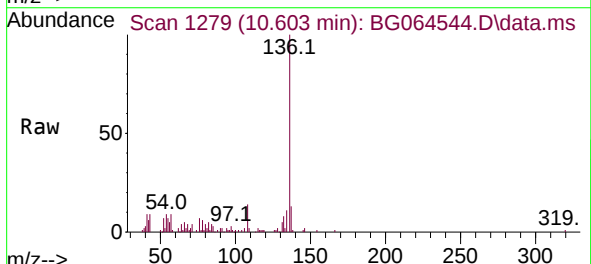


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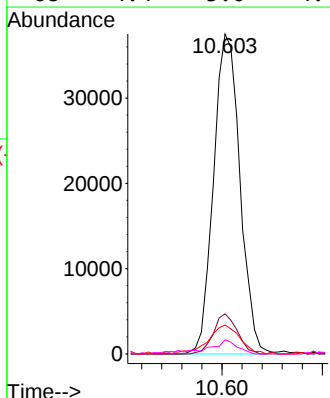
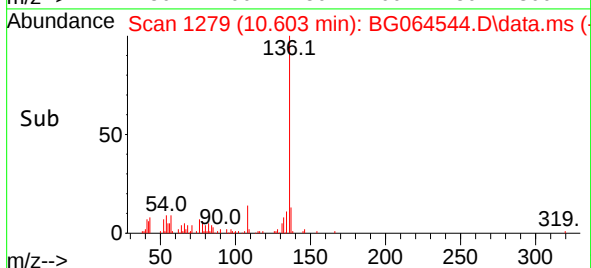
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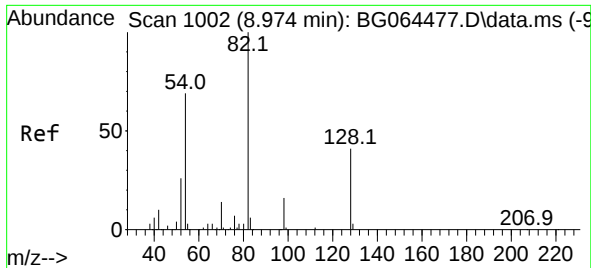


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34



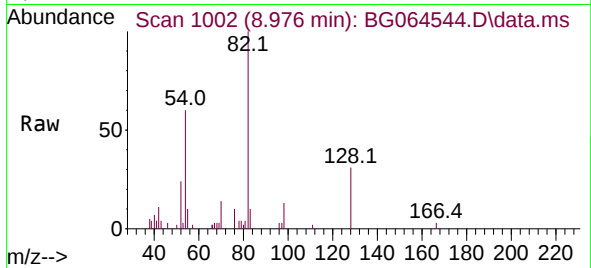
Tgt Ion:	136	Ratio	100	Lower	Upper
136	100				
137	12.5		8.3	12.5	
54	9.0		6.2	9.4	
68	4.4		3.0	4.4	





#23
Nitrobenzene-d5
Concen: 10.143 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

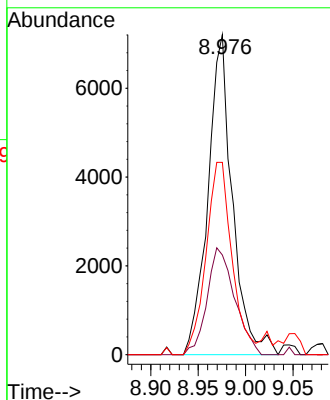
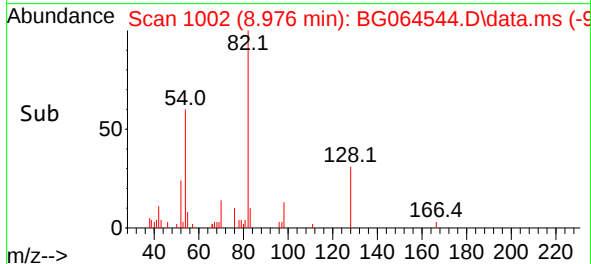
Instrument :
BNA_G
ClientSampleId :
TR-1-101625



Tgt Ion: 82 Resp: 12927
Ion Ratio Lower Upper
82 100
128 31.1 33.1 49.7
54 60.1 55.4 83.2

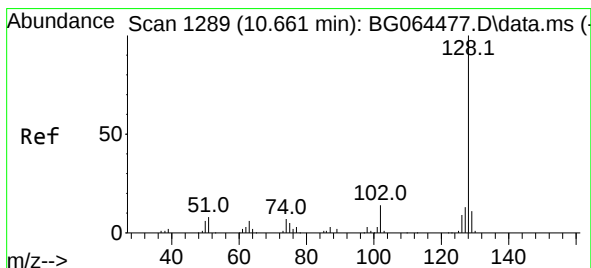
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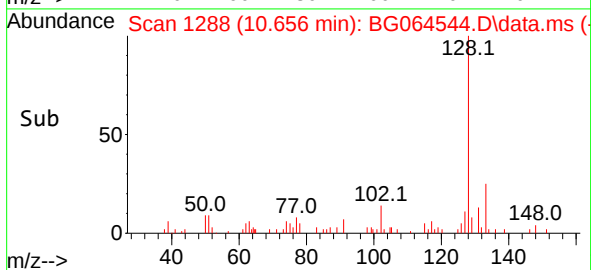
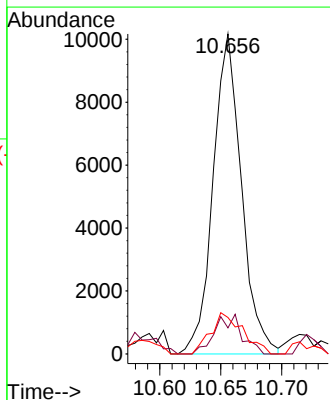
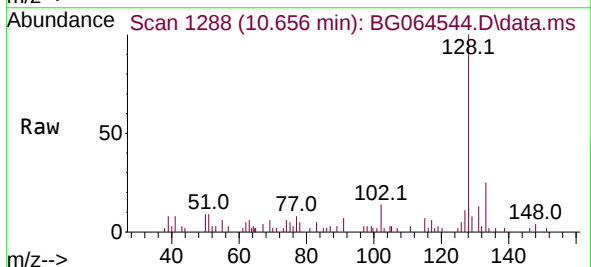
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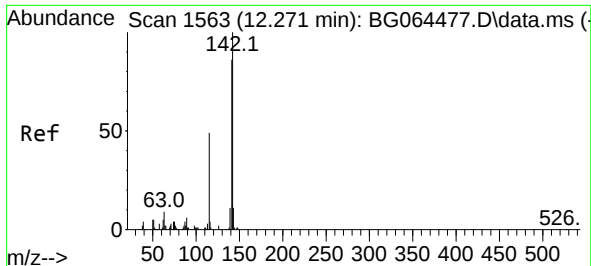
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#31
Naphthalene
Concen: 4.657 ng
RT: 10.656 min Scan# 1288
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:128 Resp: 16436
Ion Ratio Lower Upper
128 100
129 8.1 8.7 13.1#
127 11.4 10.2 15.2





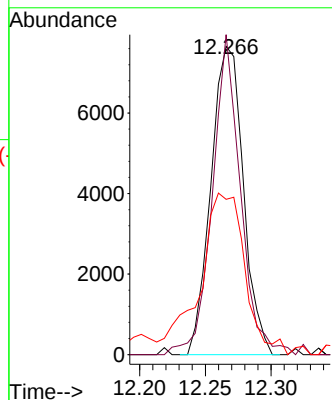
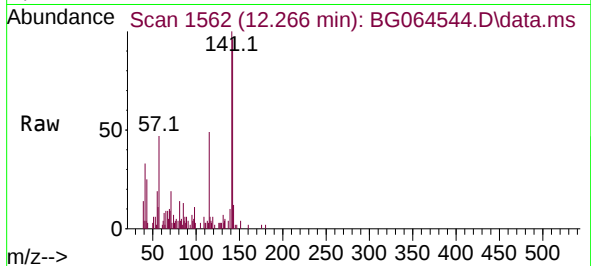
#37
2-Methylnaphthalene
Concen: 4.845 ng
RT: 12.266 min Scan# 1562
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:142 Resp: 13126
Ion Ratio Lower Upper
142 100
141 103.8 68.7 103.1
115 50.4 39.3 58.9

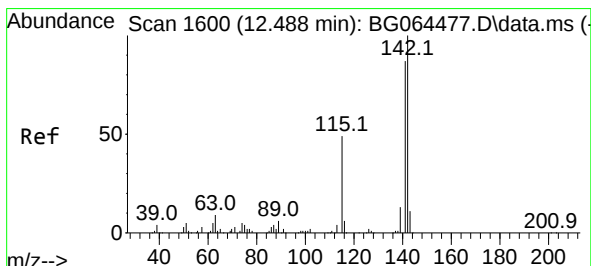
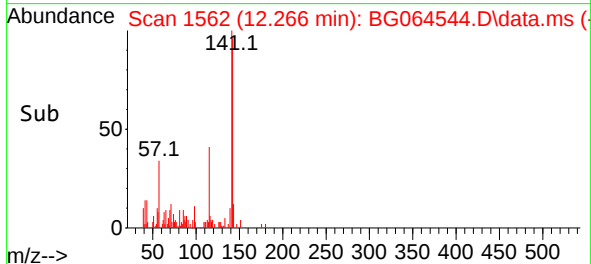
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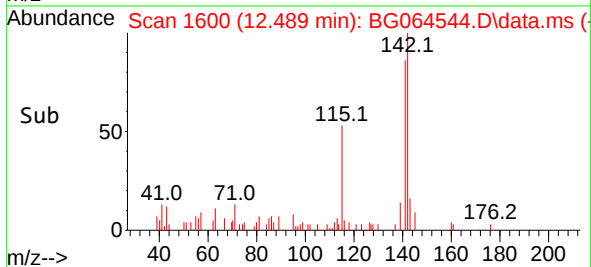
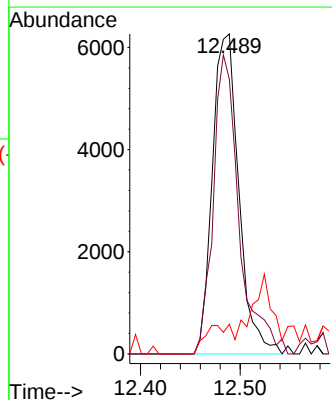
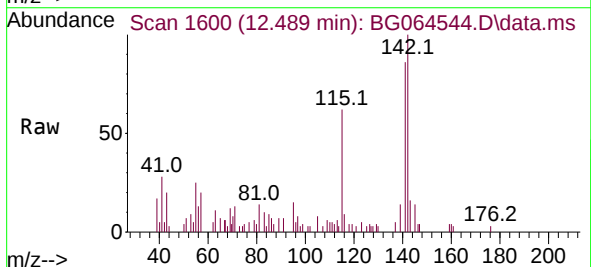
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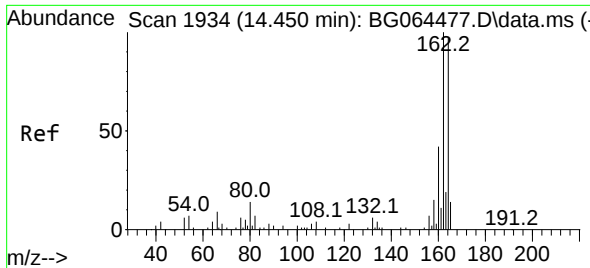
10/20/2025



#38
1-Methylnaphthalene
Concen: 4.263 ng m
RT: 12.489 min Scan# 1600
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:142 Resp: 11514
Ion Ratio Lower Upper
142 100
141 85.9 69.8 104.8
116 9.2 4.6 6.8#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :

BNA_G

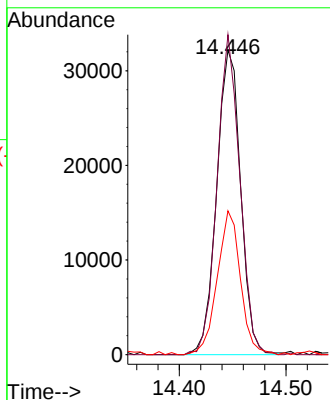
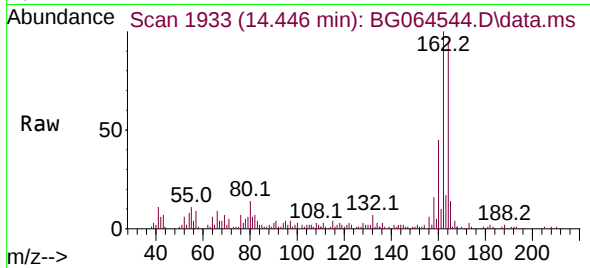
ClientSampleId :

TR-1-101625

Tgt Ion:164 Resp: 50459
Ion Ratio Lower Upper
164 100
162 105.0 82.2 123.2
160 47.2 34.3 51.5

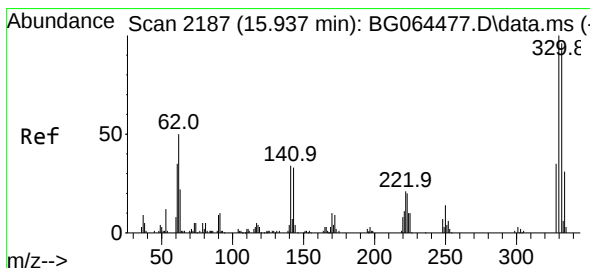
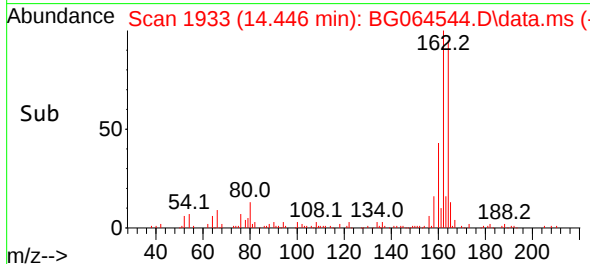
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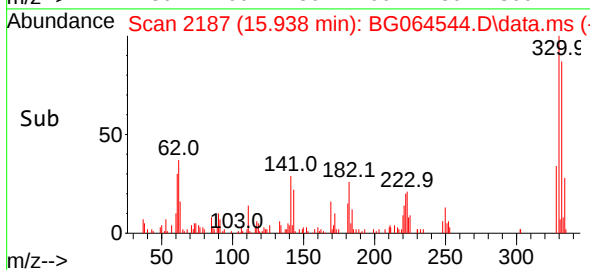
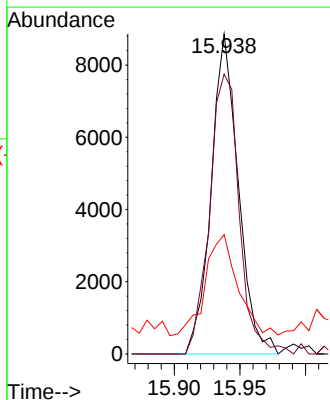
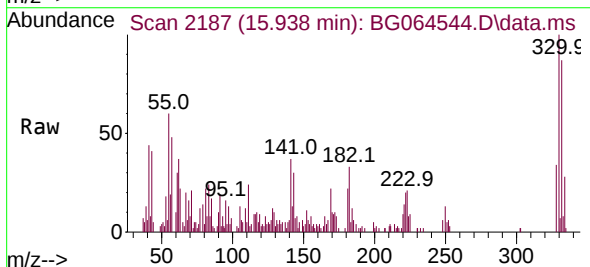
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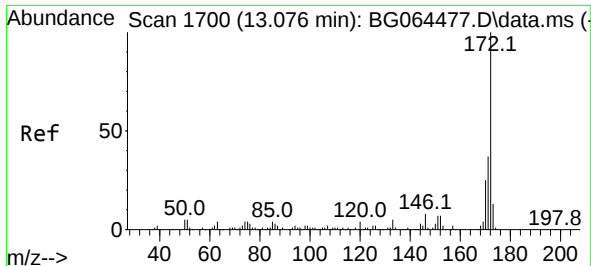
10/20/2025



#42
2,4,6-Tribromophenol
Concen: 13.980 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:330 Resp: 12787
Ion Ratio Lower Upper
330 100
332 95.0 77.4 116.0
141 37.8 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 10.587 ng
RT: 13.065 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :

BNA_G

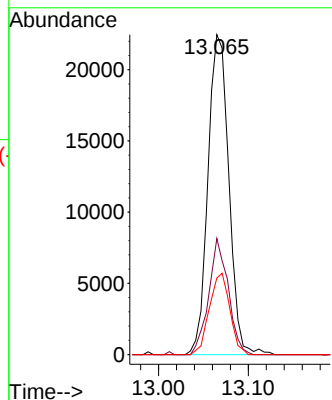
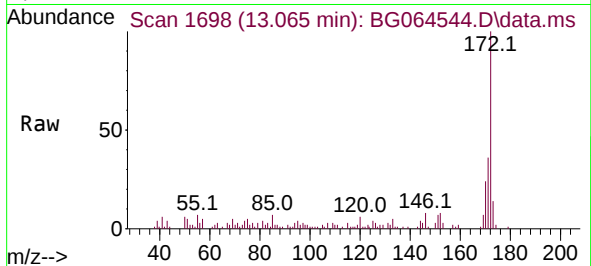
ClientSampleId :

TR-1-101625

Tgt Ion:172 Resp: 3624
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.9 20.2 30.2

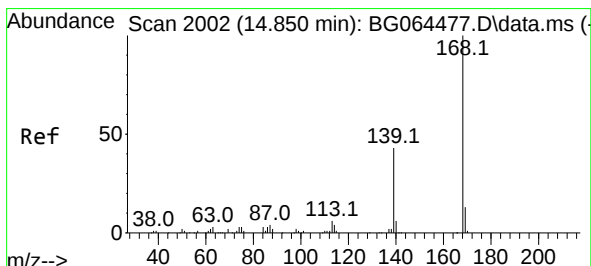
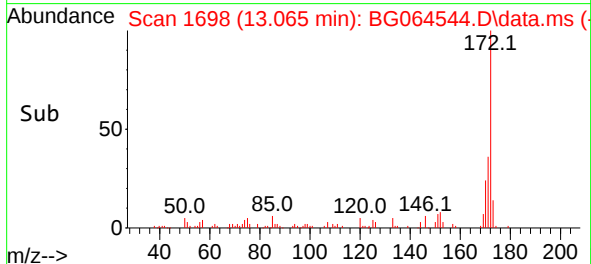
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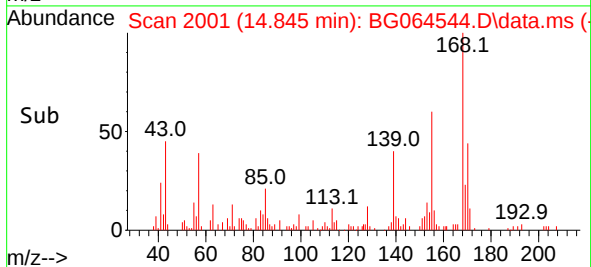
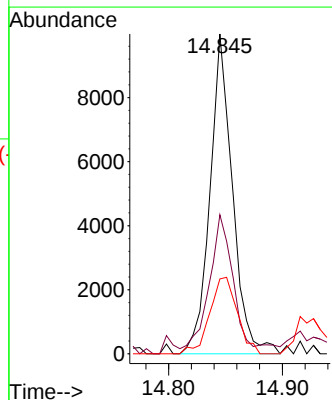
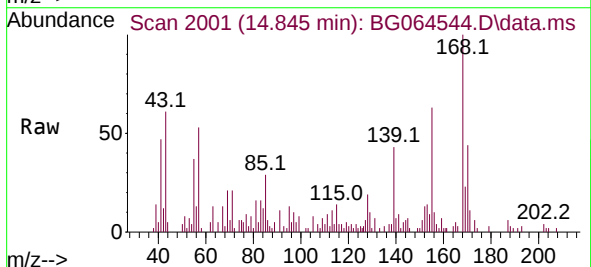
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Upadhyay

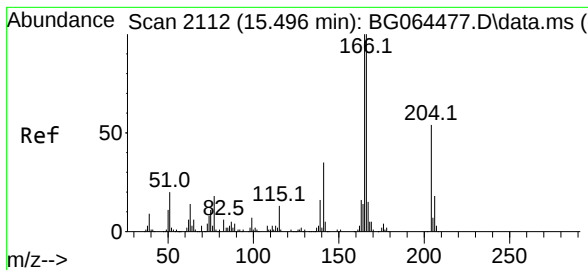
10/20/2025



#55
Dibenzofuran
Concen: 2.988 ng
RT: 14.845 min Scan# 2001
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

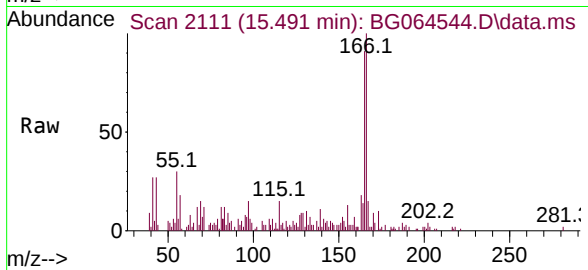
Tgt Ion:168 Resp: 13789
Ion Ratio Lower Upper
168 100
139 43.5 34.0 51.0
169 23.4 10.2 15.2#





#58
Fluorene
Concen: 6.043 ng
RT: 15.491 min Scan# 2111
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

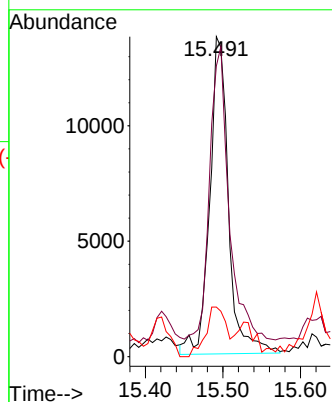
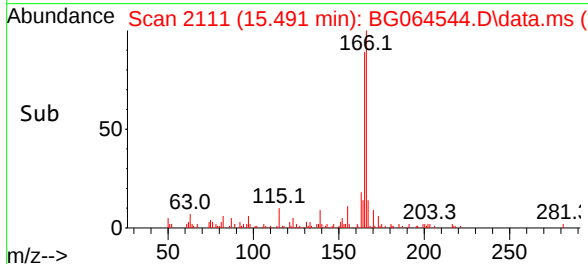
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:166 Resp: 23182
Ion Ratio Lower Upper
166 100
165 90.8 79.8 119.6
167 15.5 11.7 17.5

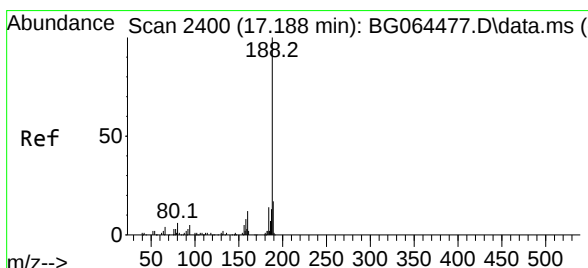
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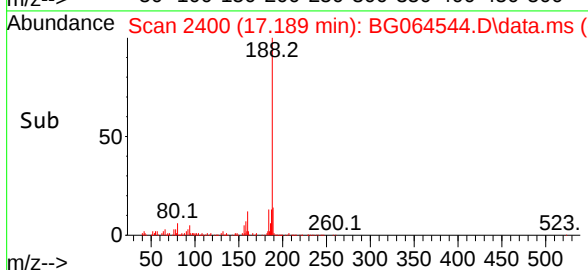
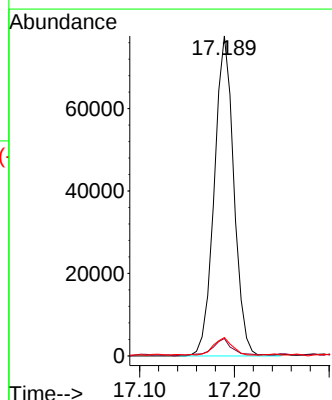
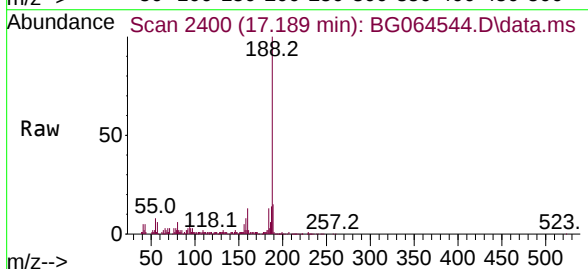
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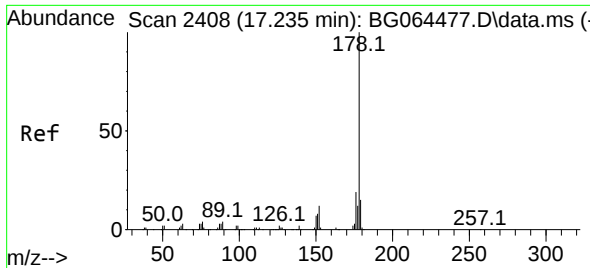
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:188 Resp: 111106
Ion Ratio Lower Upper
188 100
94 5.4 3.7 5.5
80 5.7 4.5 6.7





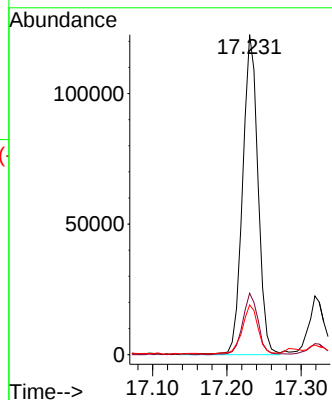
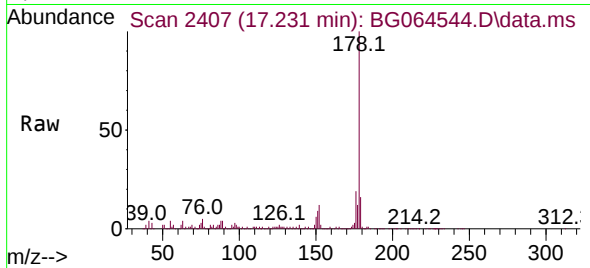
#71
Phenanthrene
Concen: 30.302 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :
BNA_G
ClientSampleId :
TR-1-101625

Tgt Ion:178 Resp: 176063
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.5 11.8 17.6

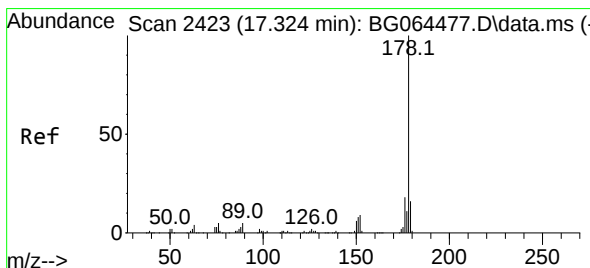
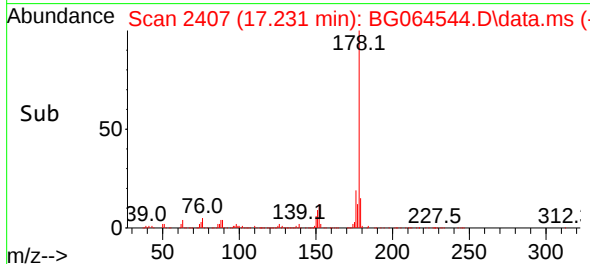
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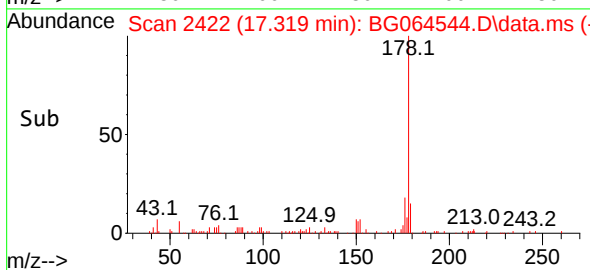
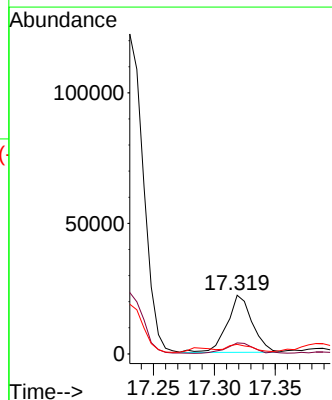
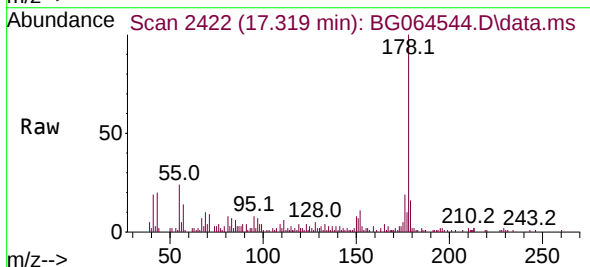
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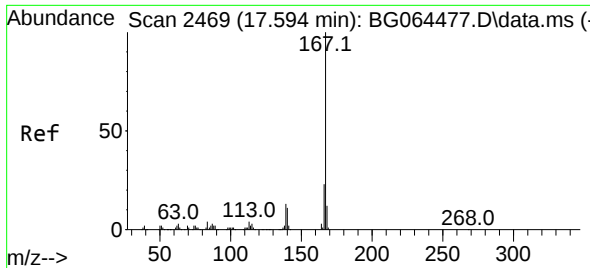
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#72
Anthracene
Concen: 5.387 ng
RT: 17.319 min Scan# 2422
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:178 Resp: 31402
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 16.2 12.5 18.7





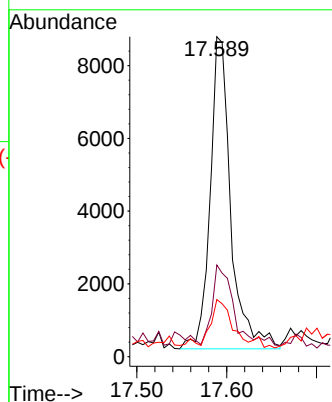
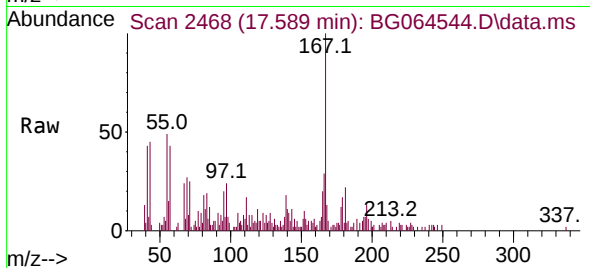
#73
Carbazole
Concen: 2.733 ng
RT: 17.589 min Scan# 2469
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :
BNA_G
ClientSampleId :
TR-1-101625

Tgt Ion:167 Resp: 13769
Ion Ratio Lower Upper
167 100
166 28.6 18.6 27.8
139 17.8 10.2 15.4

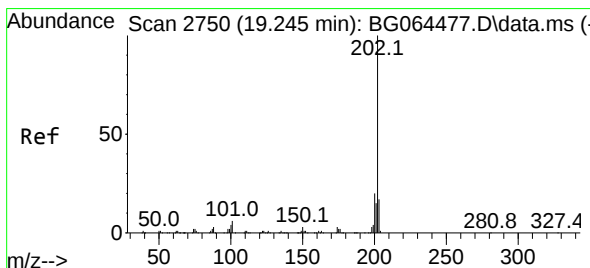
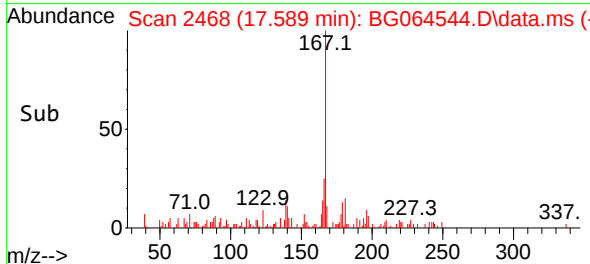
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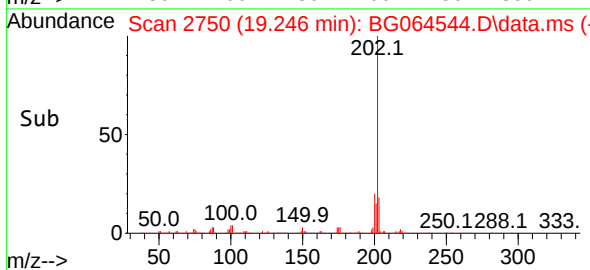
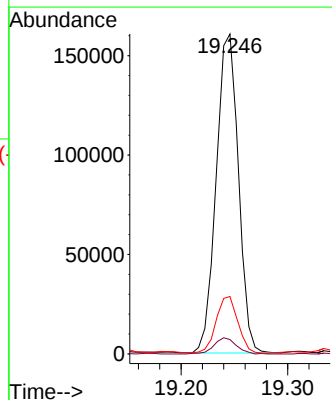
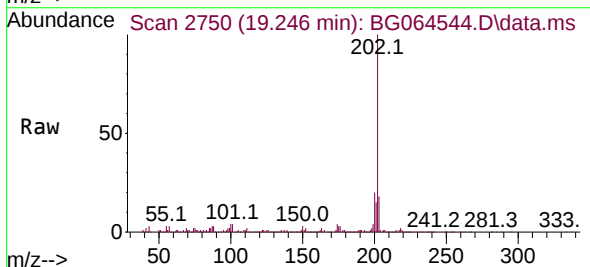
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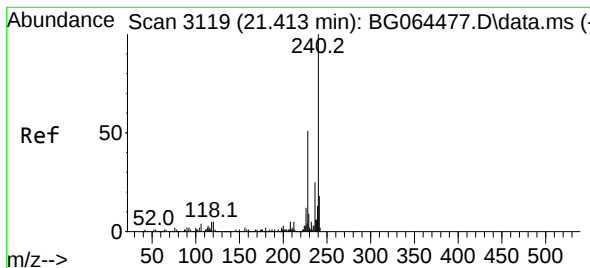
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#75
Fluoranthene
Concen: 33.466 ng
RT: 19.246 min Scan# 2750
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:202 Resp: 232300
Ion Ratio Lower Upper
202 100
101 4.5 0.0 25.7
203 17.9 0.0 36.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.414 min Scan# 3119

Delta R.T. 0.004 min

Lab File: BG064544.D

Acq: 17 Oct 2025 20:34

Instrument :

BNA_G

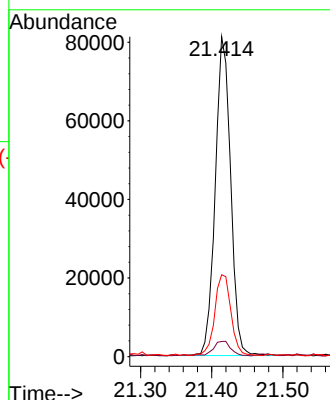
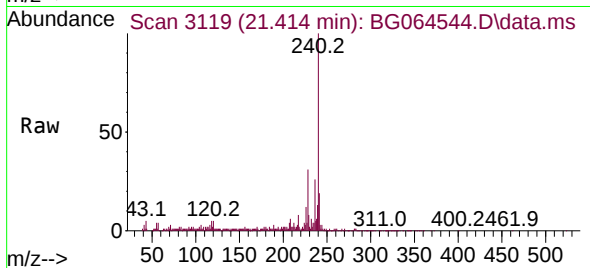
ClientSampleId :

TR-1-101625

Tgt Ion:240 Resp: 122147
 Ion Ratio Lower Upper
 240 100
 120 4.7 4.3 6.5
 236 25.6 20.4 30.6

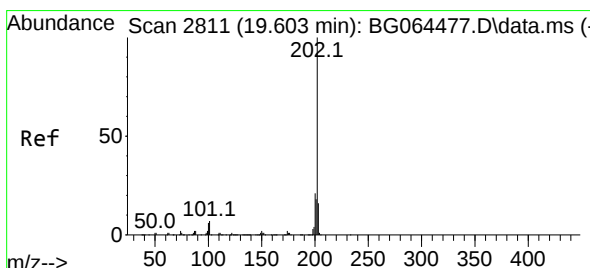
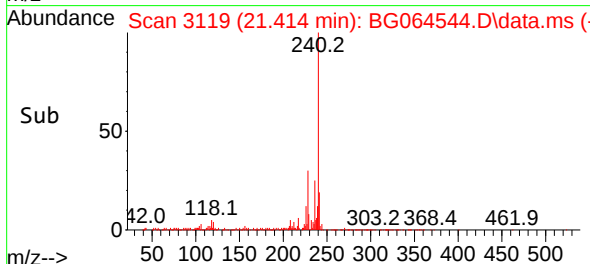
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#78

Pyrene

Concen: 29.036 ng

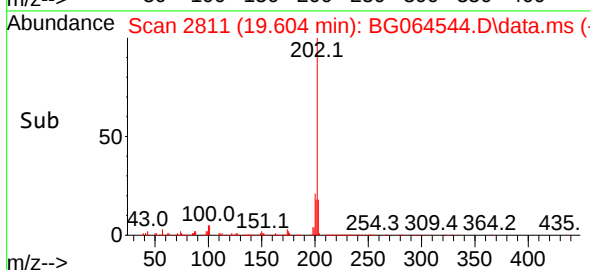
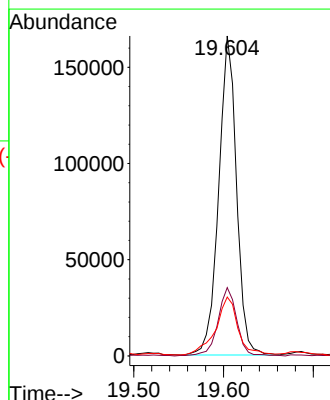
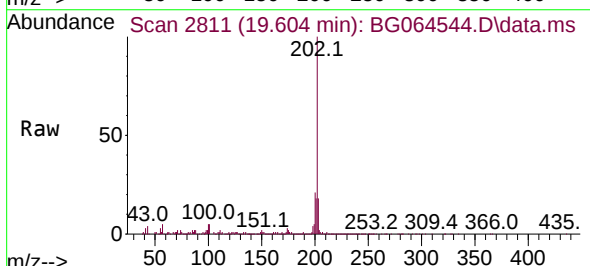
RT: 19.604 min Scan# 2811

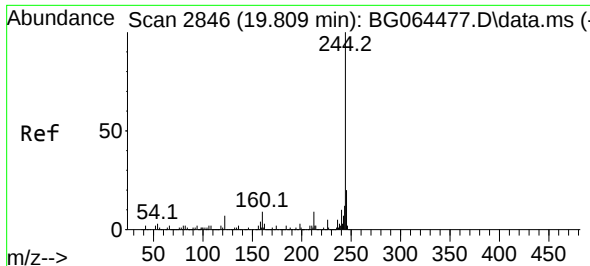
Delta R.T. 0.003 min

Lab File: BG064544.D

Acq: 17 Oct 2025 20:34

Tgt Ion:202 Resp: 230163
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.4
 203 18.4 13.0 19.4





#79
 Terphenyl-d14
 Concen: 10.718 ng
 RT: 19.804 min Scan# 2846
 Delta R.T. -0.002 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

Instrument :

BNA_G

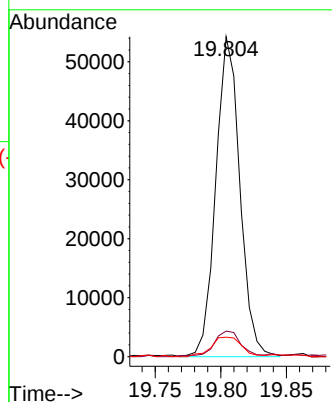
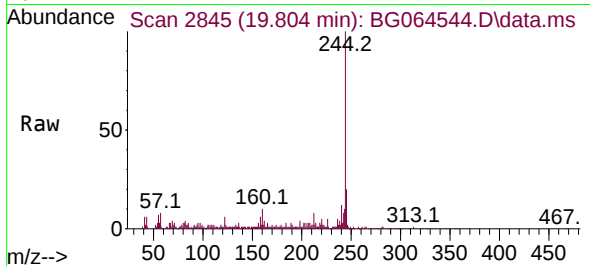
ClientSampleId :

TR-1-101625

Tgt Ion:244 Resp: 69180
 Ion Ratio Lower Upper
 244 100
 212 8.0 7.0 10.6
 122 6.1 5.6 8.4

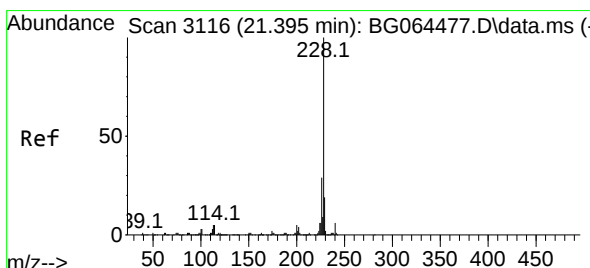
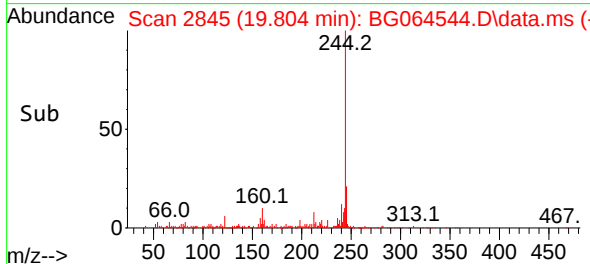
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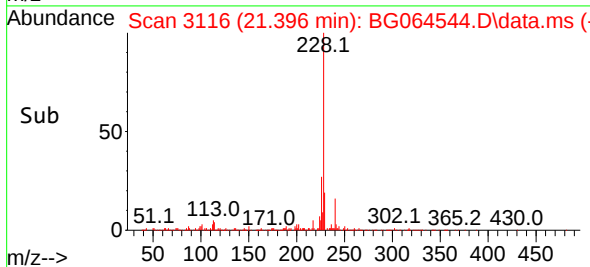
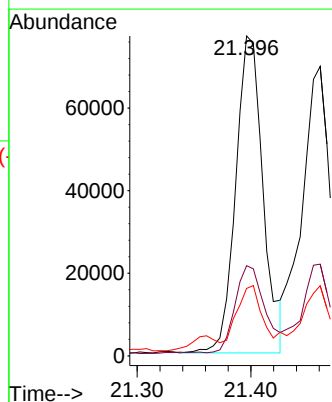
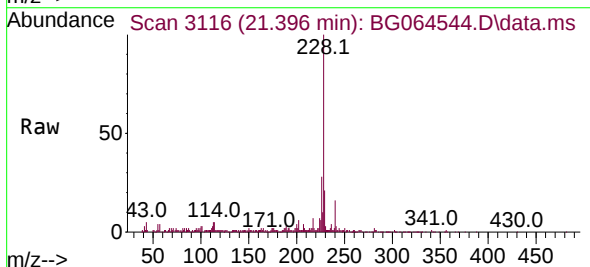
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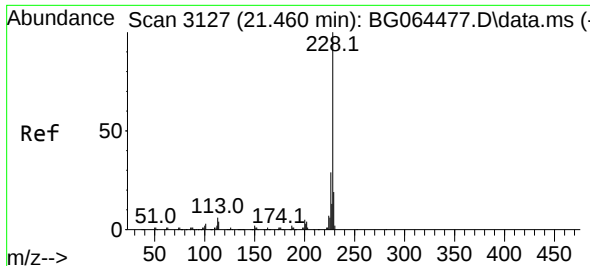
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#81
 Benzo(a)anthracene
 Concen: 16.445 ng
 RT: 21.396 min Scan# 3116
 Delta R.T. 0.003 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

Tgt Ion:228 Resp: 128261
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.8 34.2
 229 21.1 15.2 22.8





#83

Chrysene

Concen: 16.203 ng m

RT: 21.461 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG064544.D

Acq: 17 Oct 2025 20:34

Instrument :

BNA_G

ClientSampleId :

TR-1-101625

Tgt Ion:228 Resp: 11984

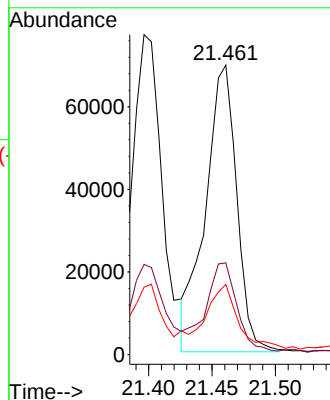
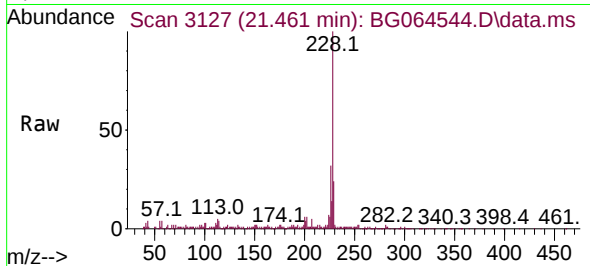
Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.8	34.2
229	24.2	15.4	23.0

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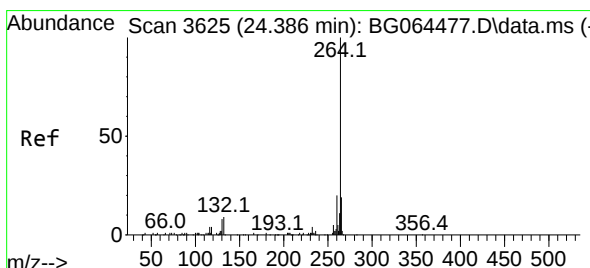
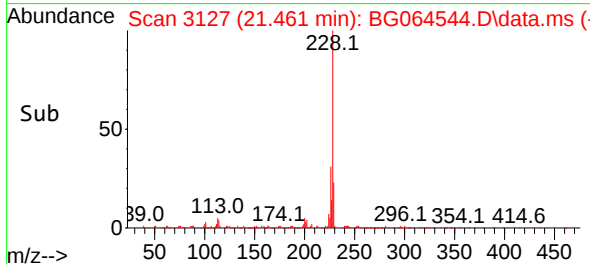
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#86

Perylene-d12

Concen: 20.000 ng

RT: 24.404 min Scan# 3628

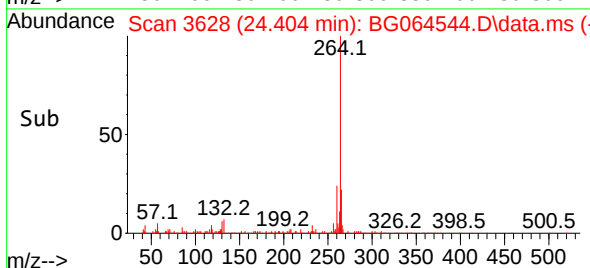
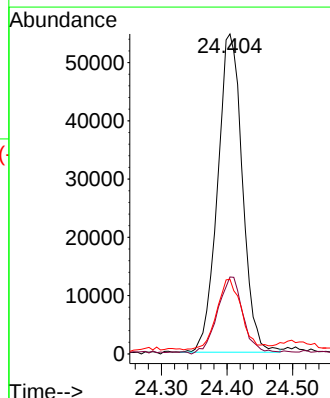
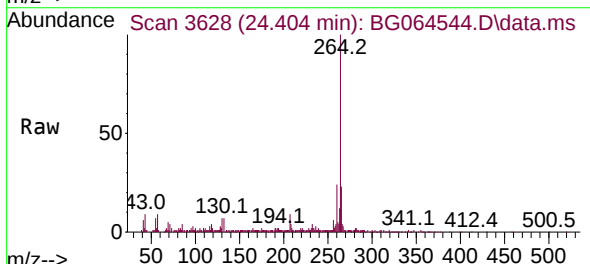
Delta R.T. 0.015 min

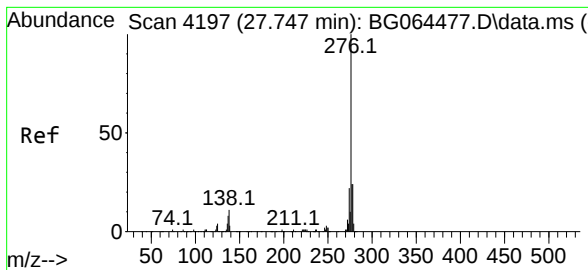
Lab File: BG064544.D

Acq: 17 Oct 2025 20:34

Tgt Ion:264 Resp: 143180

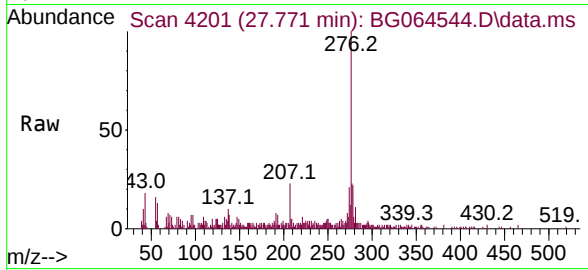
Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.2	24.4
265	23.3	15.0	22.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.785 ng
RT: 27.771 min Scan# 4197
Delta R.T. 0.039 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

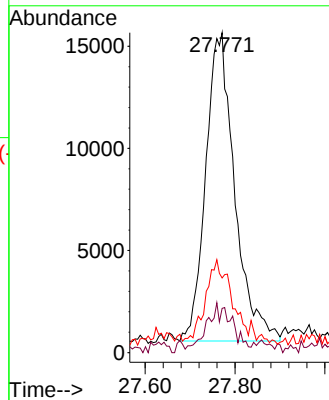
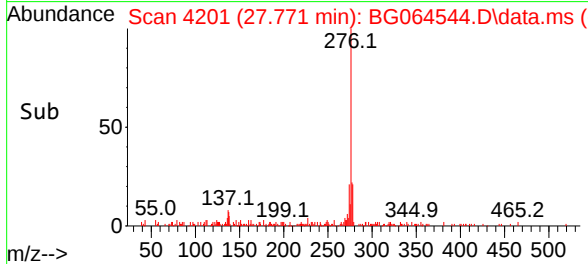
Instrument :
BNA_G
ClientSampleId :
TR-1-101625



Tgt Ion:276 Resp: 67616
Ion Ratio Lower Upper
276 100
138 6.2 10.8 16.2
277 21.4 20.3 30.5

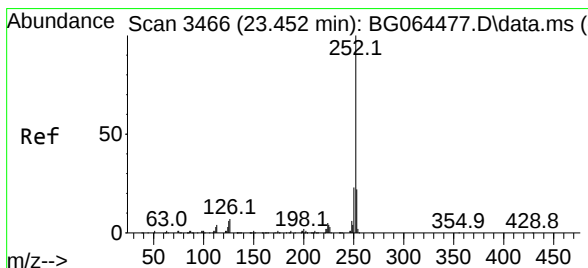
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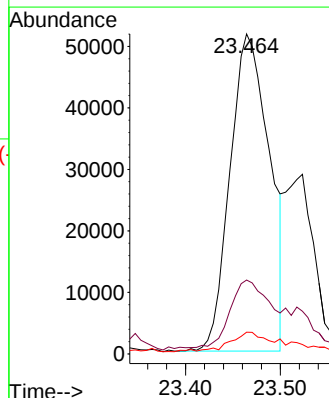
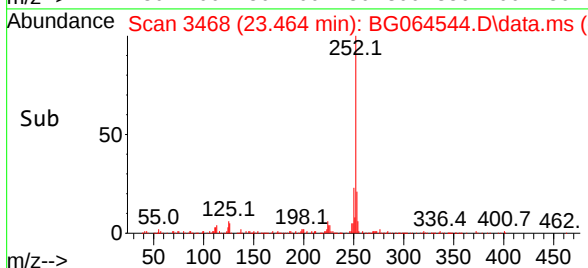
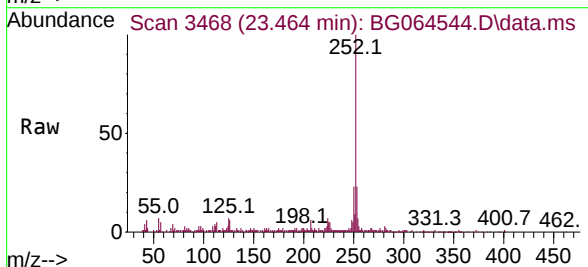
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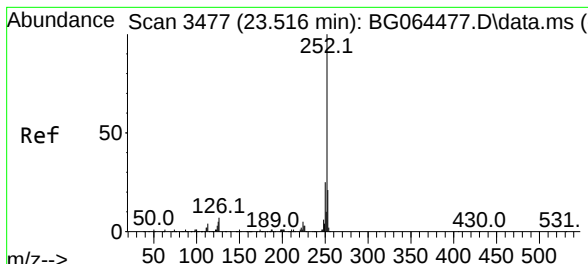
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#88
Benzo(b)fluoranthene
Concen: 18.282 ng
RT: 23.464 min Scan# 3468
Delta R.T. 0.015 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:252 Resp: 148919
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 6.8 4.5 6.7#





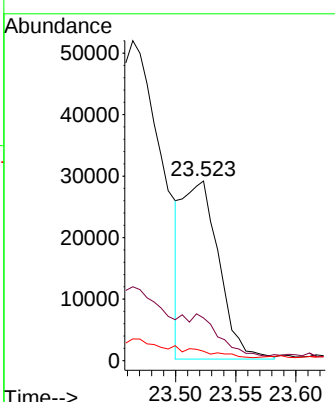
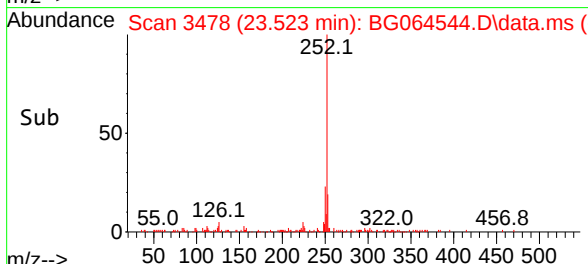
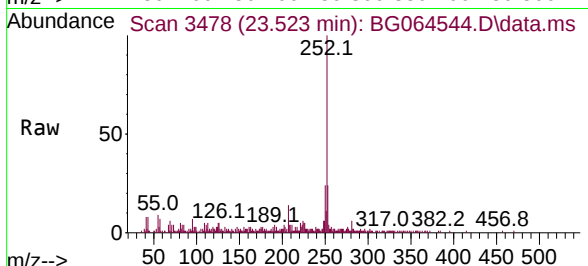
#89
 Benzo(k)fluoranthene
 Concen: 7.480 ng m
 RT: 23.523 min Scan# 3477
 Delta R.T. 0.015 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

Instrument : BNA_G
 ClientSampleId : TR-1-101625

Tgt Ion: 252 Resp: 61368

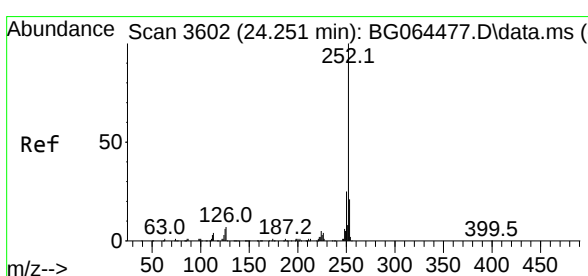
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	5.2	4.0	6.0

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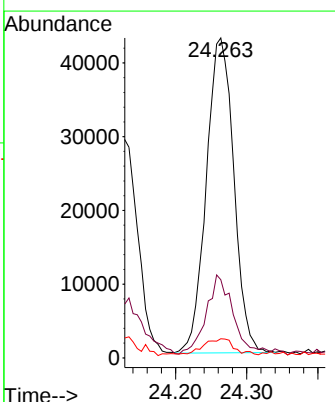
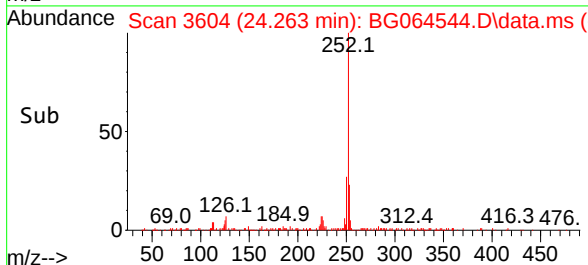
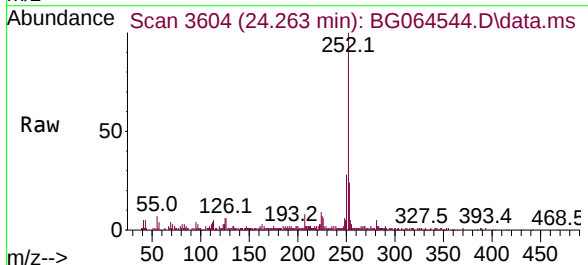
10/20/2025

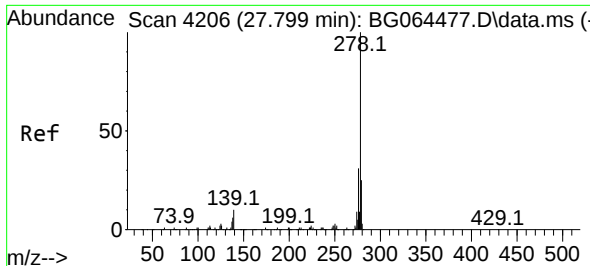


#90
 Benzo(a)pyrene
 Concen: 15.293 ng
 RT: 24.263 min Scan# 3604
 Delta R.T. 0.015 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

Tgt Ion: 252 Resp: 114806

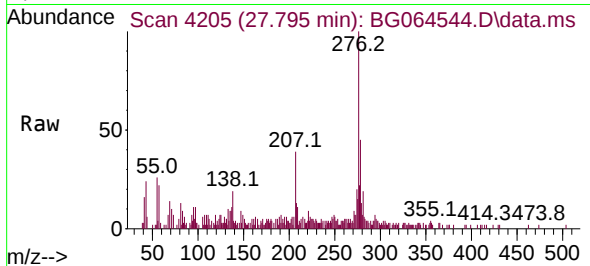
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	6.0	4.6	6.8





#91
Dibenzo(a,h)anthracene
Concen: 2.460 ng m
RT: 27.795 min Scan# 41
Delta R.T. 0.015 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

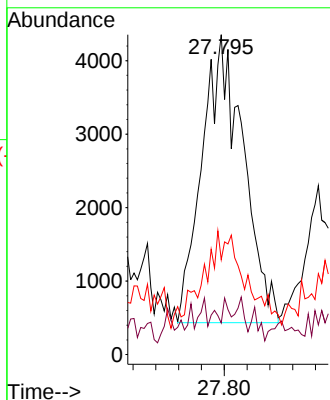
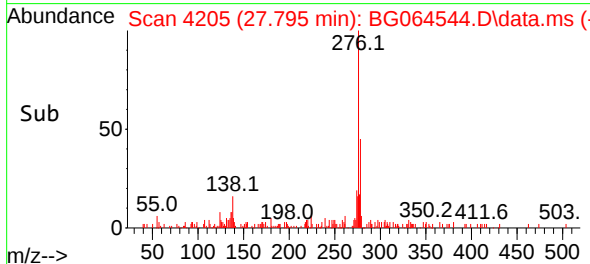
Instrument :
BNA_G
ClientSampleId :
TR-1-101625



Tgt Ion:278 Resp: 19606
Ion Ratio Lower Upper
278 100
139 9.9 8.2 12.2
279 29.7 19.6 29.4

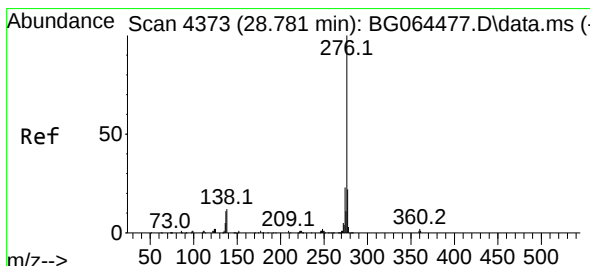
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/20/2025
Supervised By :Jagrut Upadhyay 10/20/2025

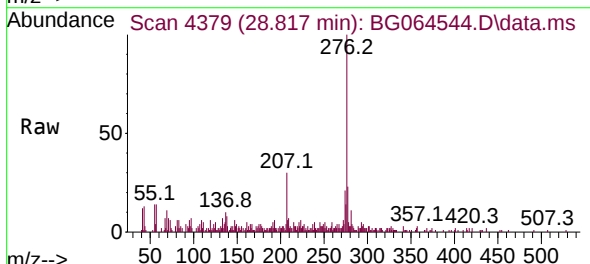


10/20/2025
Supervised By :Jagrut
Upadhyay

10/20/2025



#92
Benzo(g,h,i)perylene
Concen: 8.854 ng
RT: 28.817 min Scan# 4379
Delta R.T. 0.050 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34



Tgt Ion:276 Resp: 68574
Ion Ratio Lower Upper
276 100
277 23.0 17.8 26.6
138 7.7 9.4 14.0

