

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

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)

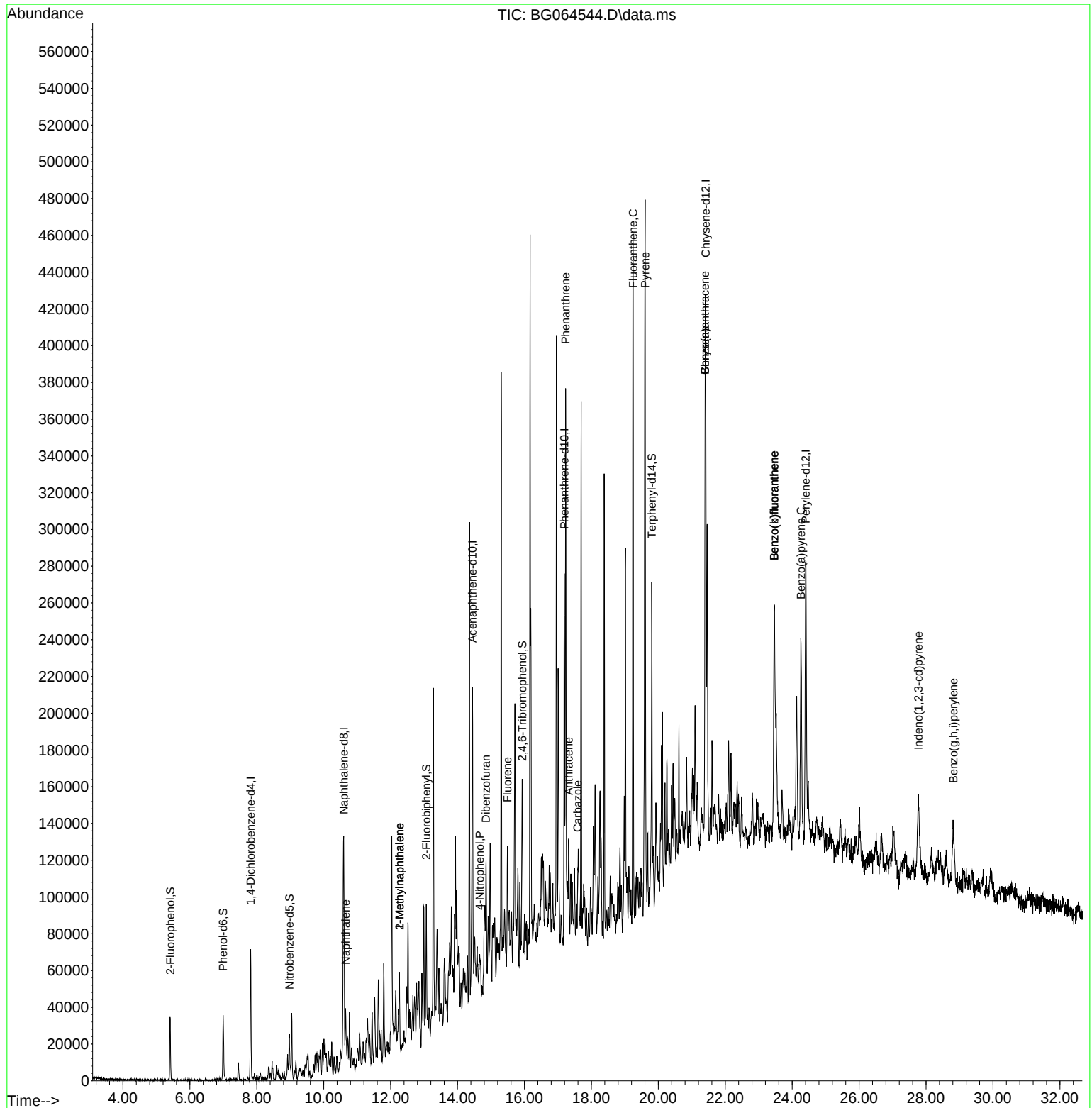
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	17068	20.000	ng	# 0.00
21) Naphthalene-d8	10.603	136	68531	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	50459	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	111106	20.000	ng	0.00
76) Chrysene-d12	21.414	240	122147	20.000	ng	0.00
86) Perylene-d12	24.404	264	143180	20.000	ng	# 0.02
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	12.266	142	13126	4.859	ng	83
55) Dibenzofuran	14.845	168	13789	2.988	ng	# 93
56) 4-Nitrophenol	14.663	139	1333	2.230	ng	# 74
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	21.396	228	128261	17.341	ng	98
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	23.464	252	148919	18.152	ng	# 97
90) Benzo(a)pyrene	24.263	252	114806	15.293	ng	95
92) Benzo(g,h,i)perylene	28.817	276	68574	8.854	ng	# 95

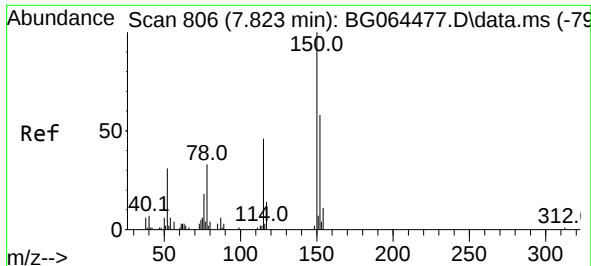
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
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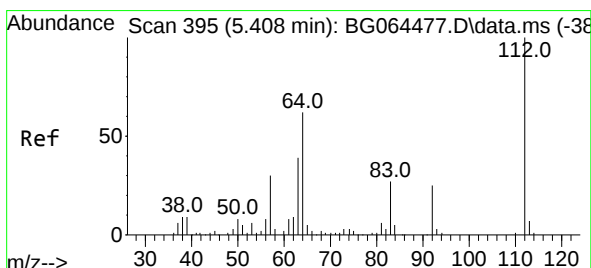
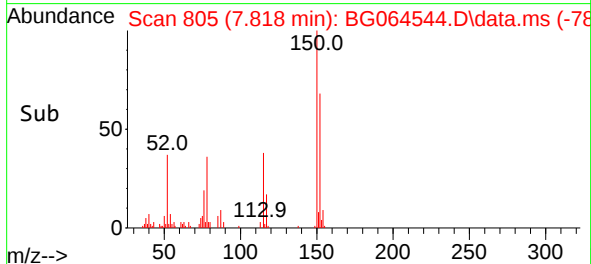
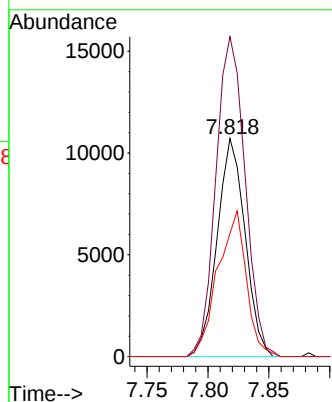
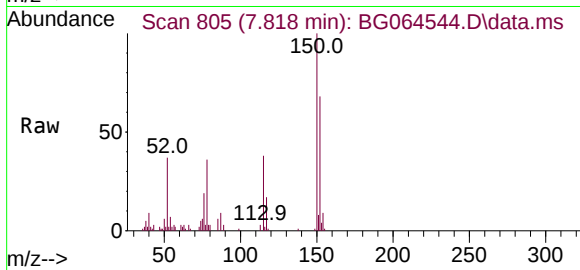




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.818 min Scan# 806
 Delta R.T. -0.002 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

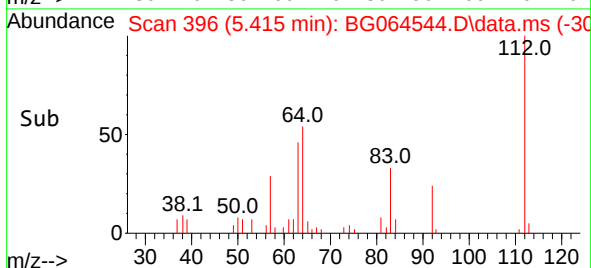
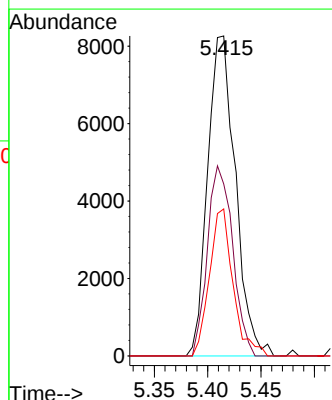
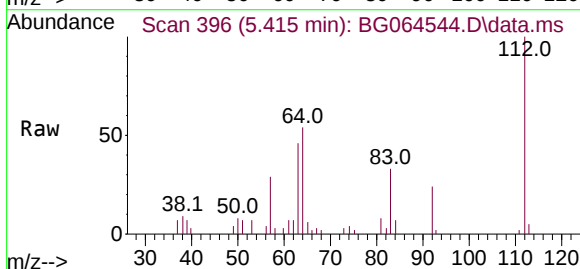
Instrument :
 BNA_G
 ClientSampleId :
 TR-1-101625

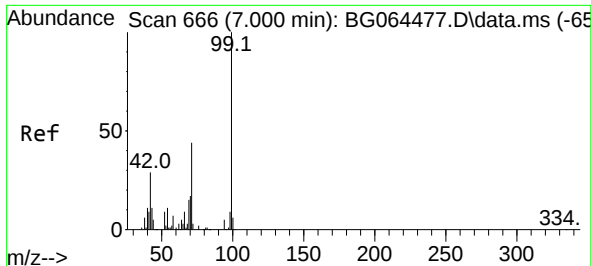
Tgt Ion:152 Resp: 17068
 Ion Ratio Lower Upper
 152 100
 150 146.6 138.6 207.8
 115 56.4 63.4 95.2#



#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

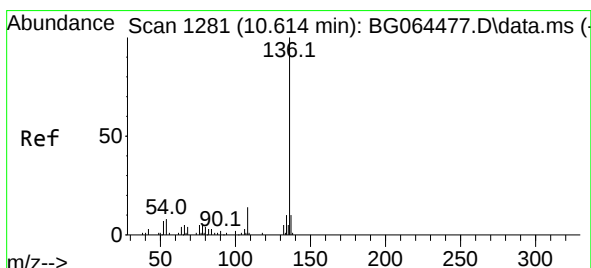
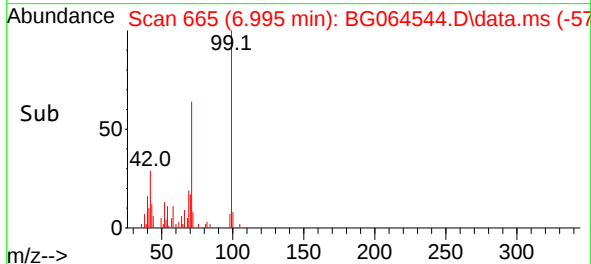
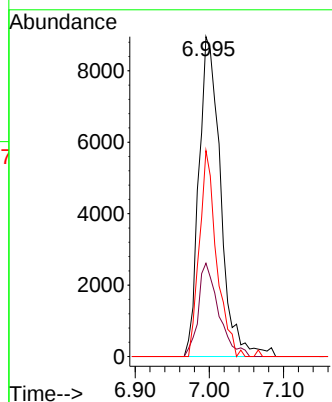
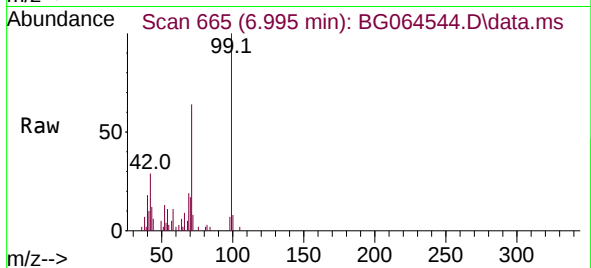




#7
Phenol-d6
Concen: 14.701 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

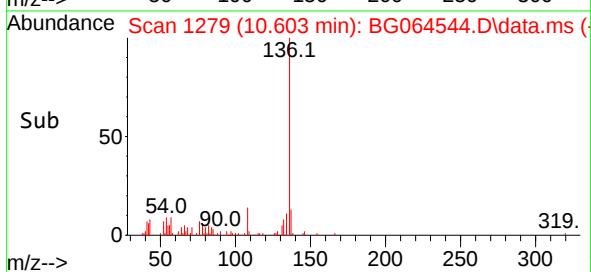
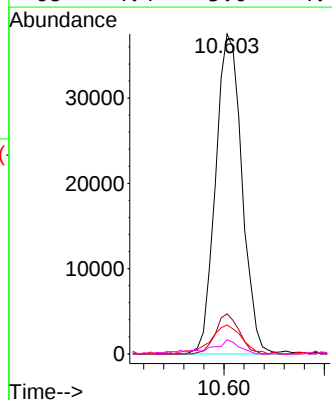
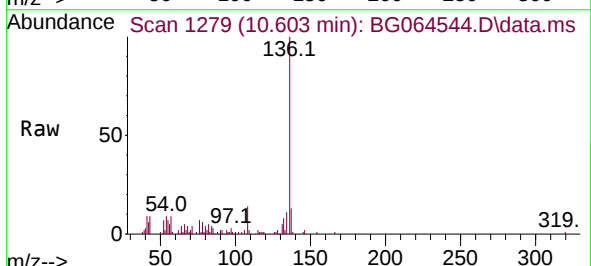
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

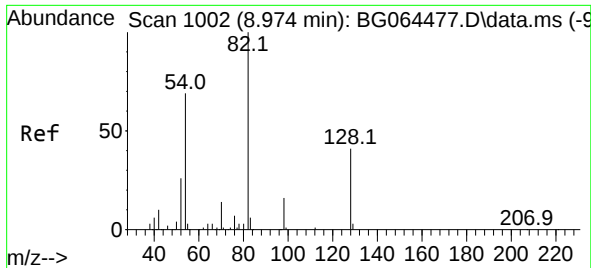
Tgt Ion: 99 Resp: 18220
Ion Ratio Lower Upper
99 100
42 29.2 22.9 34.3
71 64.4 35.4 53.2#



#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 Resp: 68531
Ion Ratio 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

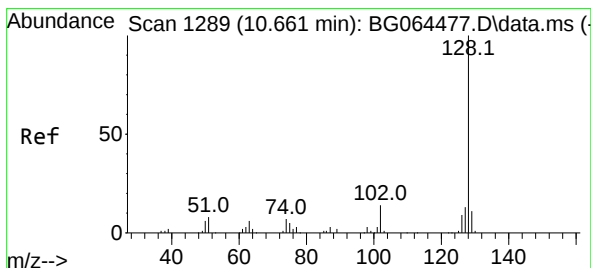
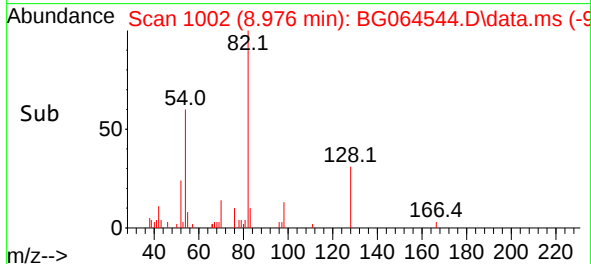
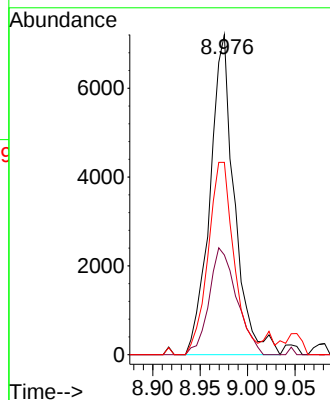
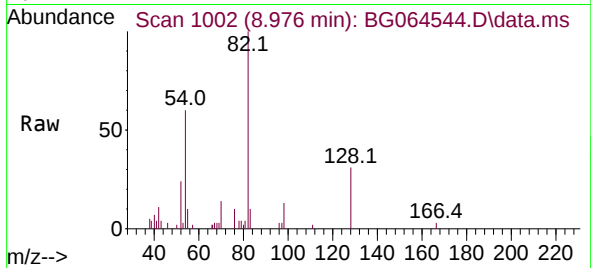
Tgt Ion: 82 Resp: 12927

Ion Ratio Lower Upper

82 100

128 31.1 33.1 49.7#

54 60.1 55.4 83.2



#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

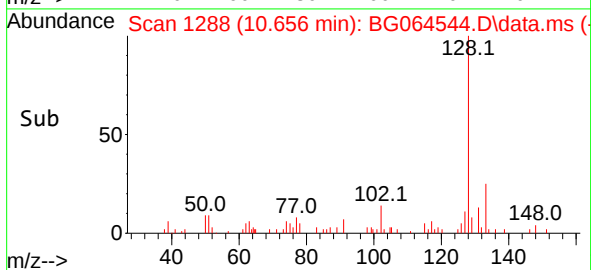
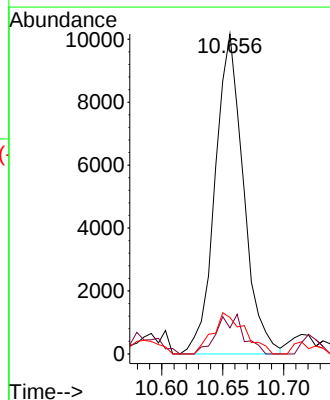
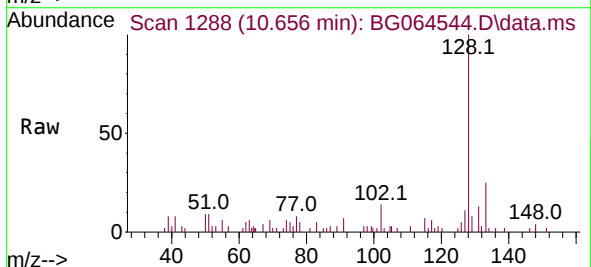
Tgt Ion: 128 Resp: 16436

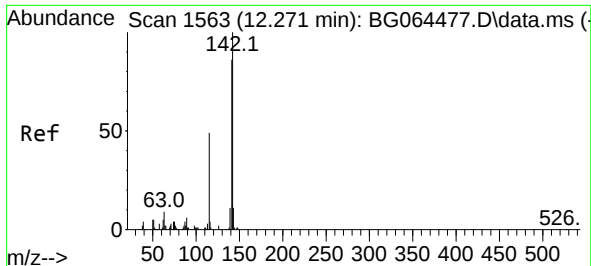
Ion Ratio Lower Upper

128 100

129 8.1 8.7 13.1#

127 11.4 10.2 15.2

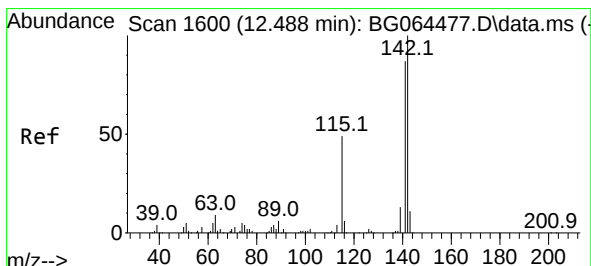
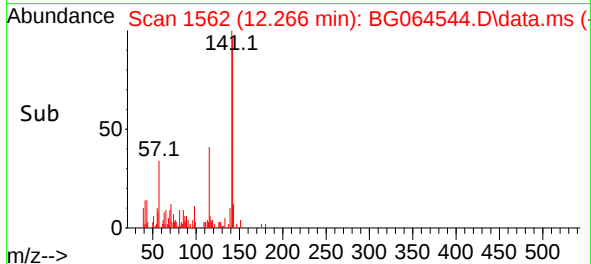
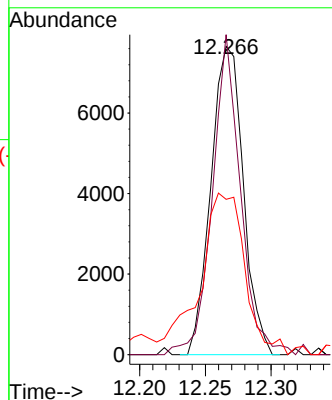
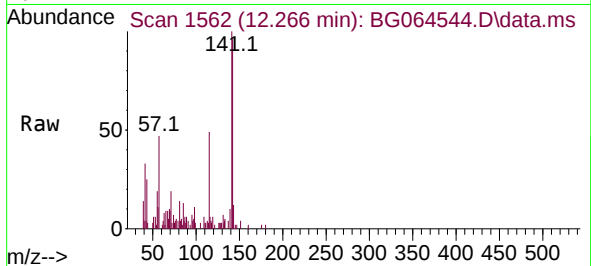




#37
2-Methylnaphthalene
Concen: 4.845 ng
RT: 12.266 min Scan# 1562
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

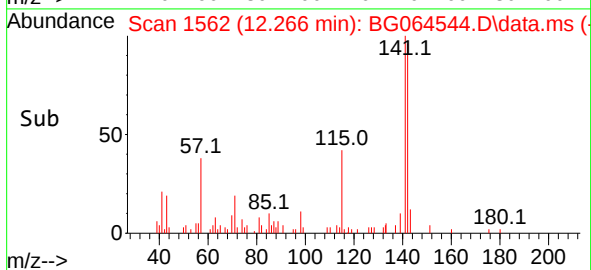
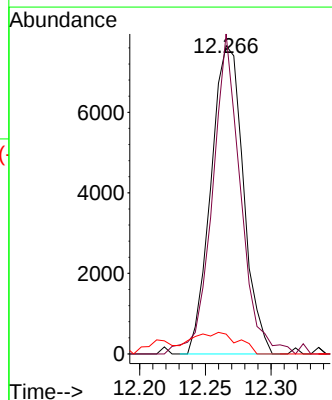
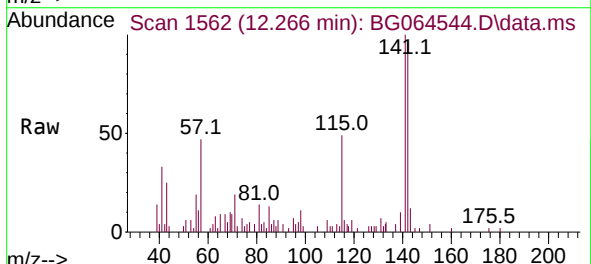
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

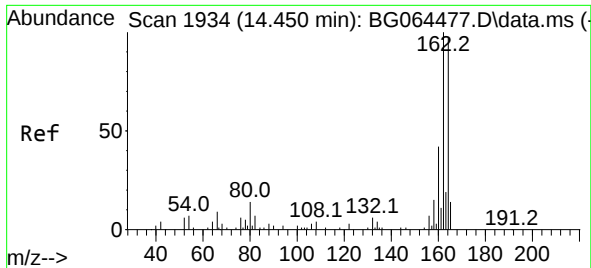
Tgt Ion:142 Resp: 13126
Ion Ratio Lower Upper
142 100
141 103.8 68.7 103.1#
115 50.4 39.3 58.9



#38
1-Methylnaphthalene
Concen: 4.859 ng
RT: 12.266 min Scan# 1562
Delta R.T. -0.220 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Tgt Ion:142 Resp: 13126
Ion Ratio Lower Upper
142 100
141 103.8 69.8 104.8
116 6.4 4.6 6.8

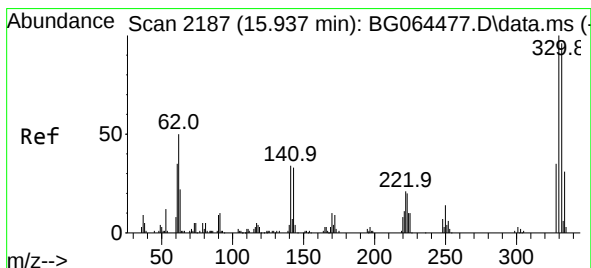
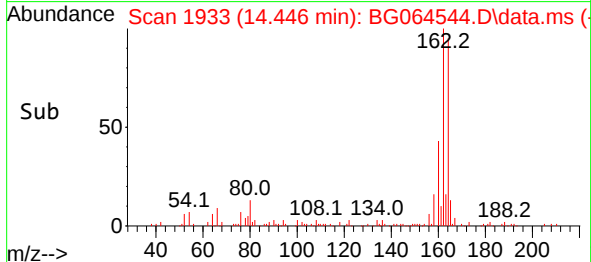
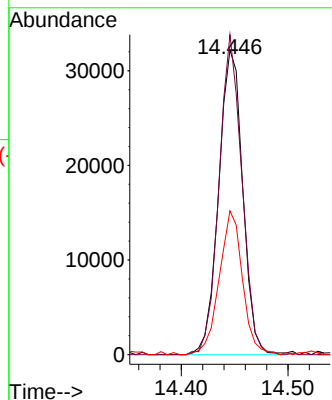
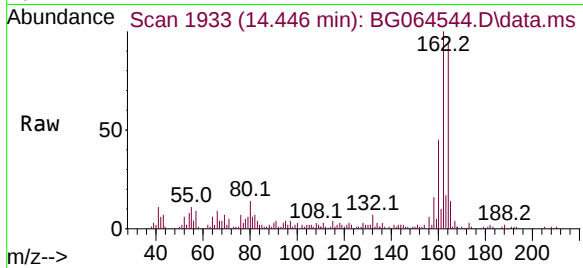




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

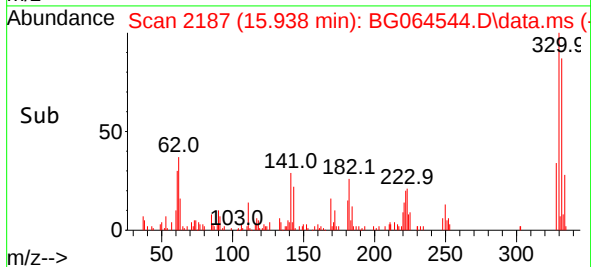
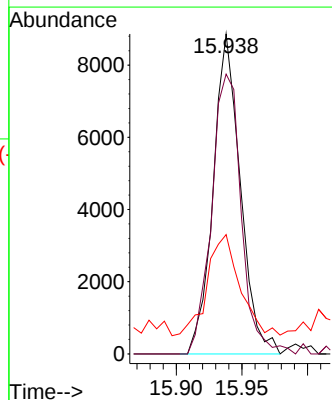
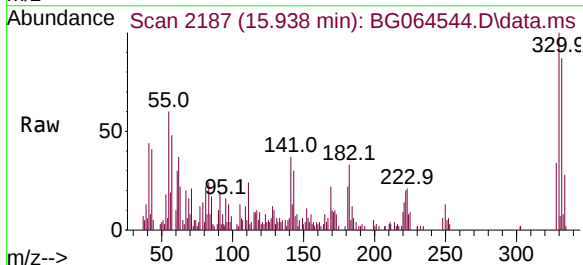
Instrument :
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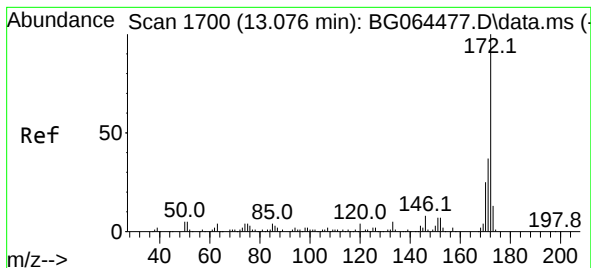
Tgt Ion:164	Resp:	50459
Ion Ratio	Lower	Upper
164	100	
162	105.0	82.2 123.2
160	47.2	34.3 51.5



#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

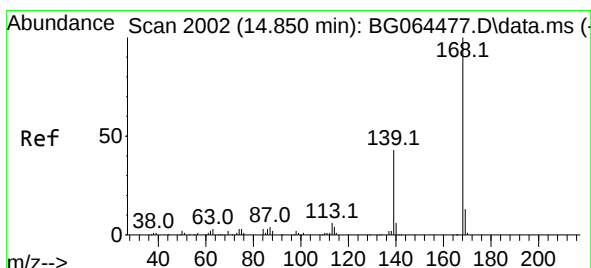
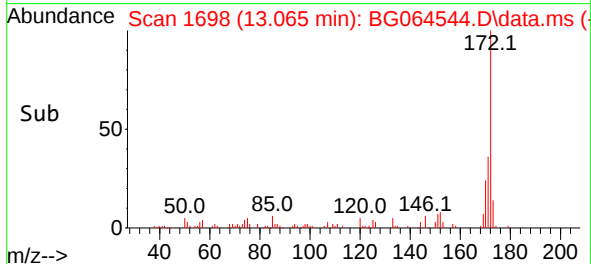
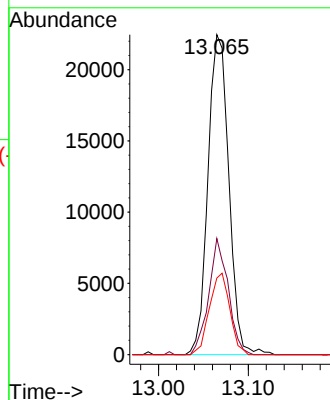
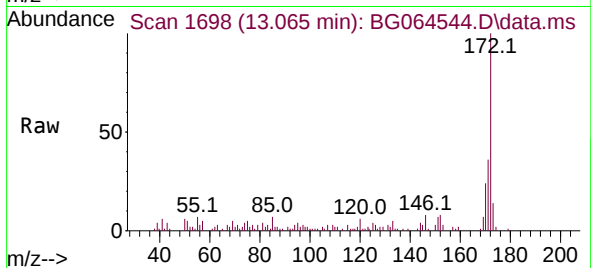
Tgt Ion:172 Resp: 36241

Ion Ratio Lower Upper

172 100

171 36.3 29.6 44.4

170 23.9 20.2 30.2



#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

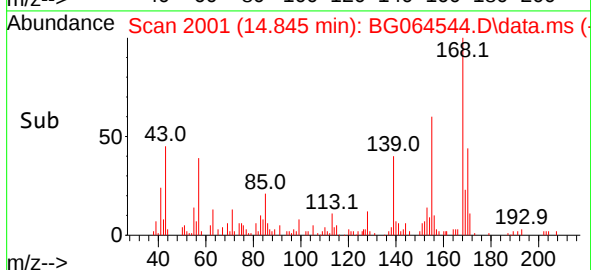
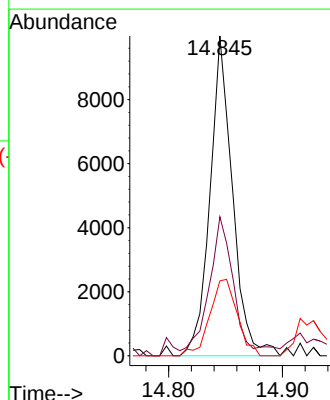
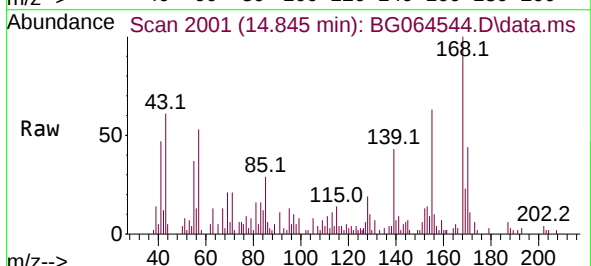
Tgt Ion:168 Resp: 13789

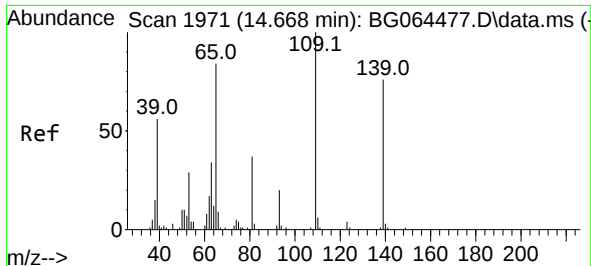
Ion Ratio Lower Upper

168 100

139 43.5 34.0 51.0

169 23.4 10.2 15.2#

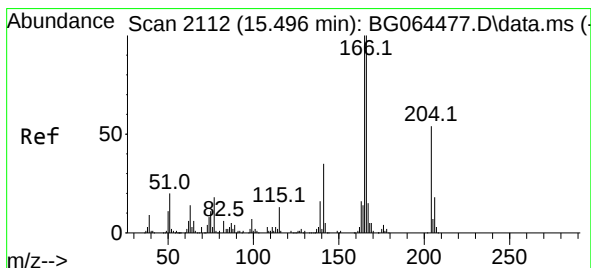
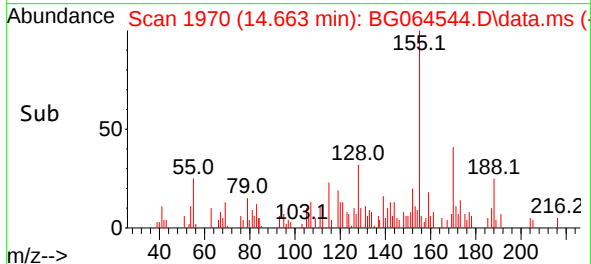
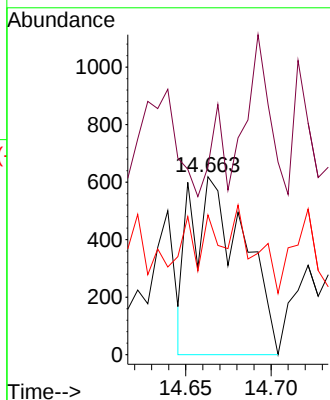
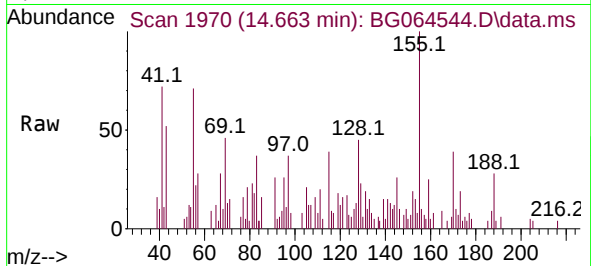




#56
4-Nitrophenol
Concen: 2.230 ng
RT: 14.663 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

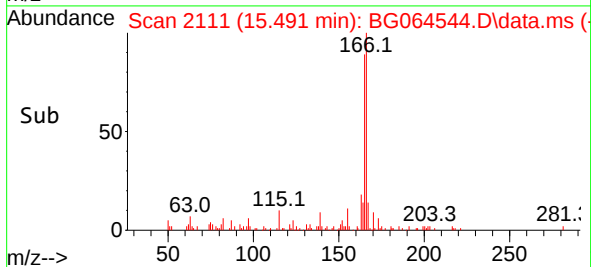
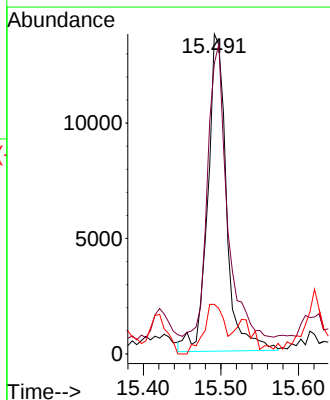
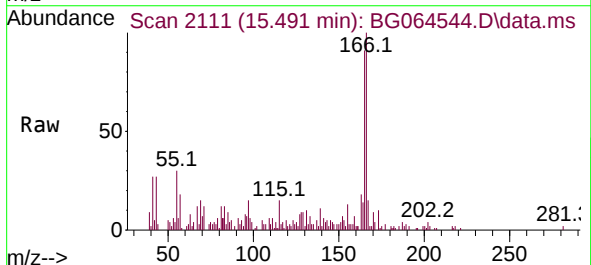
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

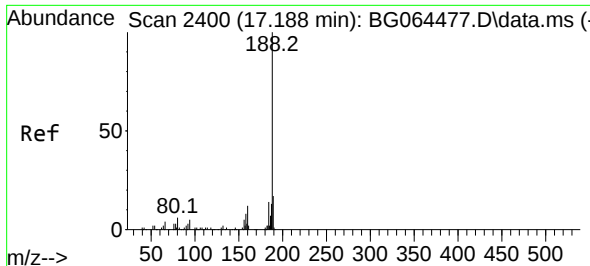
Tgt Ion:139 Resp: 1333
Ion Ratio Lower Upper
139 100
109 105.5 111.8 151.8#
65 78.5 91.1 131.1#



#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

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

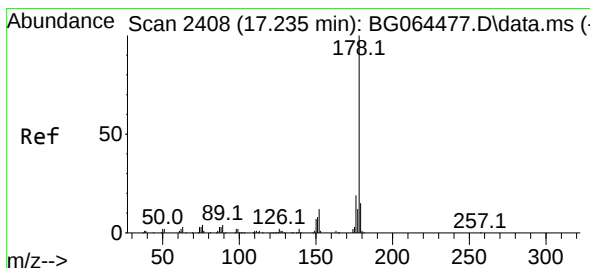
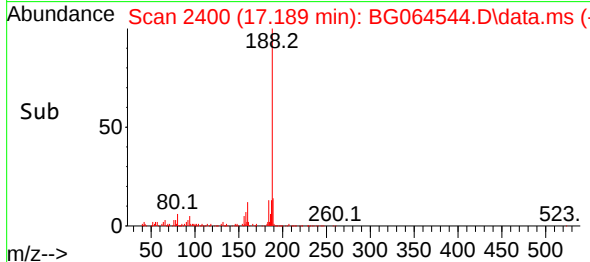
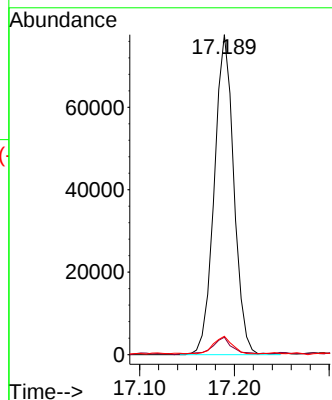
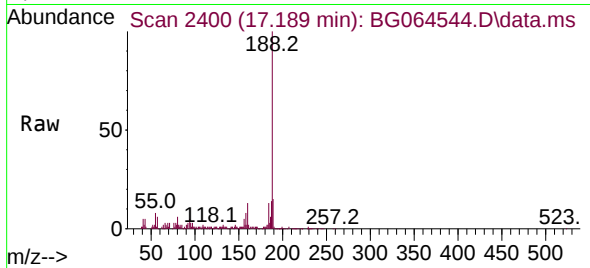




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

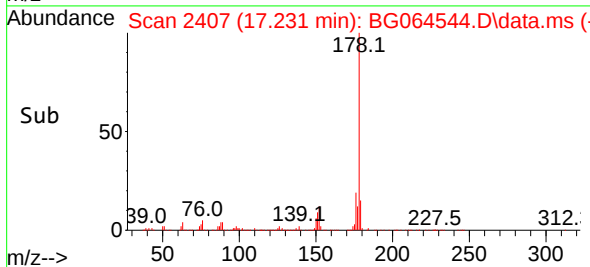
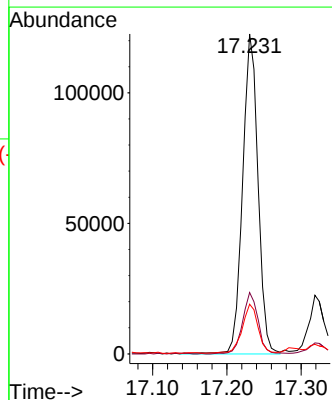
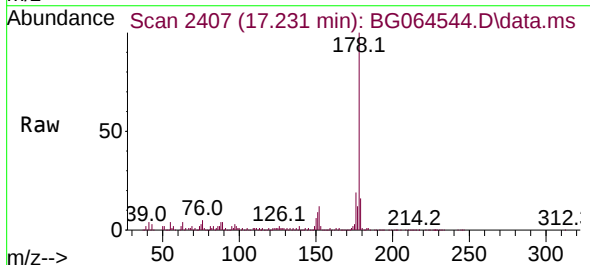
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

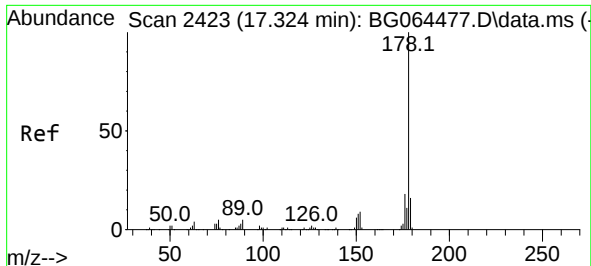
Tgt Ion:188 Resp: 111106
Ion Ratio Lower Upper
188 100
94 5.4 3.7 5.5
80 5.7 4.5 6.7



#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

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

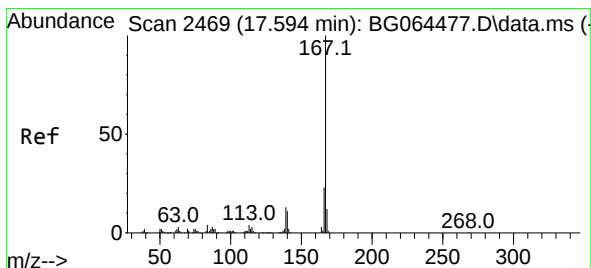
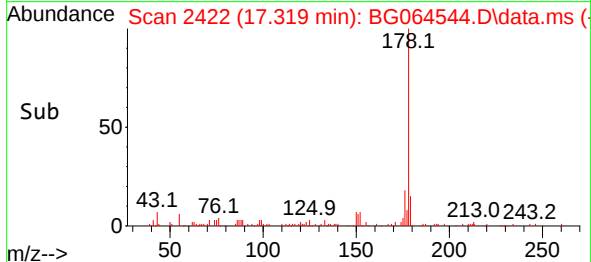
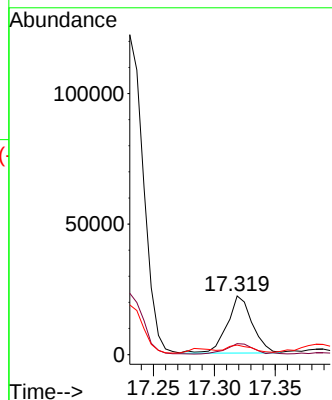
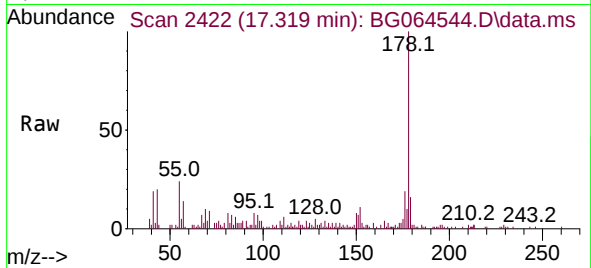




#72
 Anthracene
 Concen: 5.387 ng
 RT: 17.319 min Scan# 2423
 Delta R.T. -0.002 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

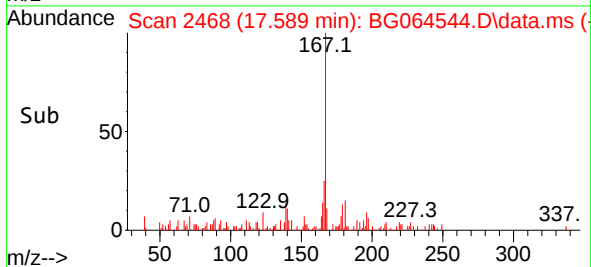
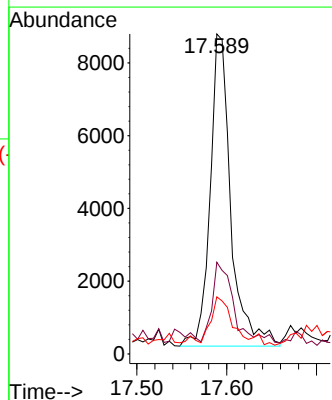
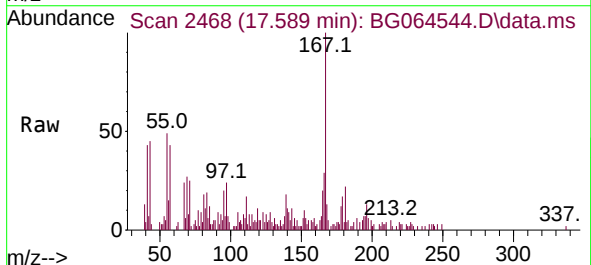
Instrument :
 BNA_G
 ClientSampleId :
 TR-1-101625

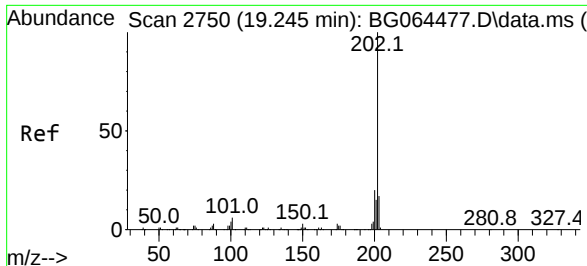
Tgt Ion:178 Resp: 31402
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.6 21.8
 179 16.2 12.5 18.7



#73
 Carbazole
 Concen: 2.733 ng
 RT: 17.589 min Scan# 2468
 Delta R.T. -0.002 min
 Lab File: BG064544.D
 Acq: 17 Oct 2025 20:34

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#

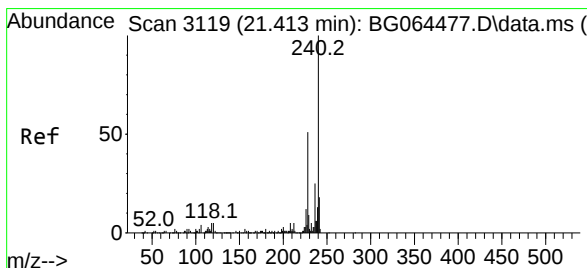
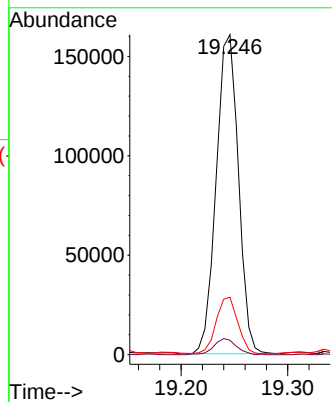
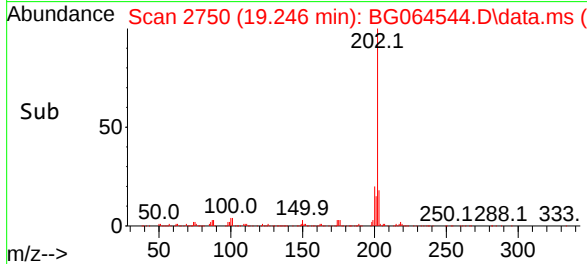
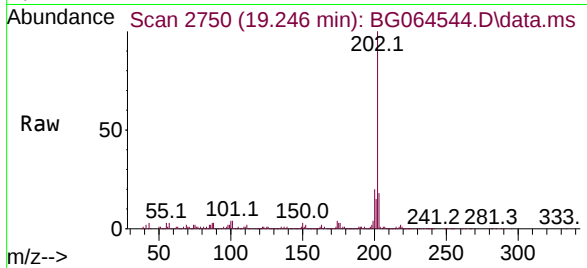




#75
Fluoranthene
Concen: 33.466 ng
RT: 19.246 min Scan# 21
Delta R.T. 0.009 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

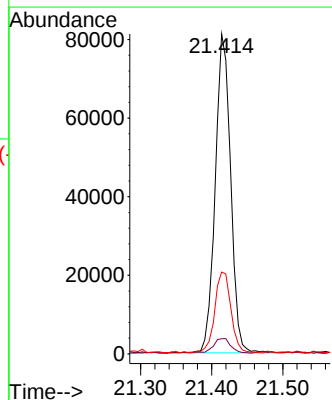
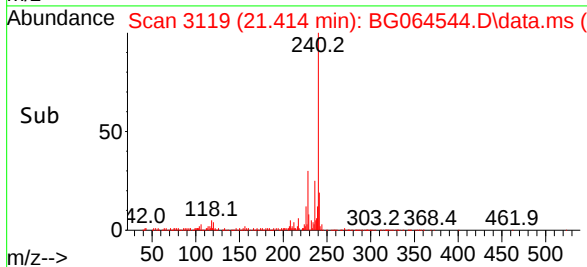
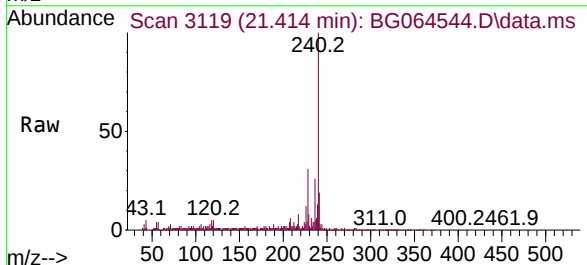
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

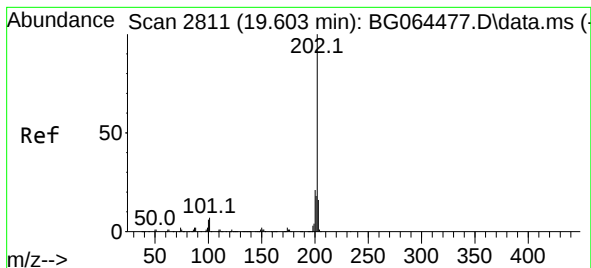
Tgt Ion:202 Resp: 232300
Ion Ratio Lower Upper
202 100
101 4.5 0.0 25.7
203 17.9 0.0 36.6



#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

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





#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

Instrument :

BNA_G

ClientSampleId :

TR-1-101625

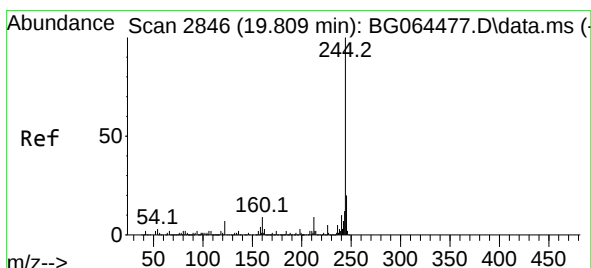
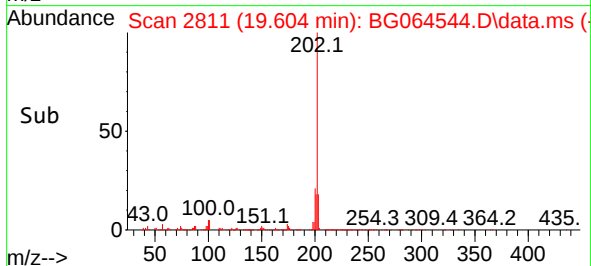
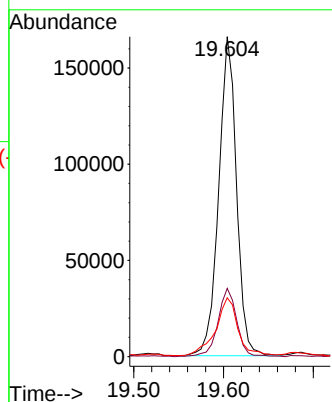
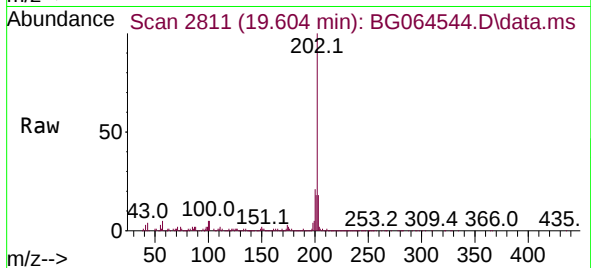
Tgt Ion:202 Resp: 230163

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# 2845

Delta R.T. -0.002 min

Lab File: BG064544.D

Acq: 17 Oct 2025 20:34

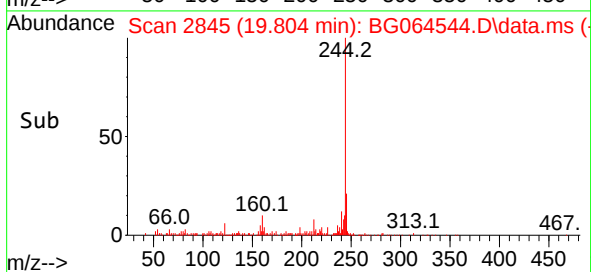
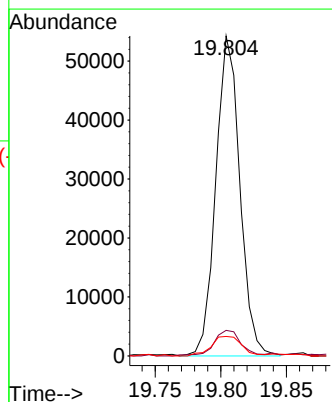
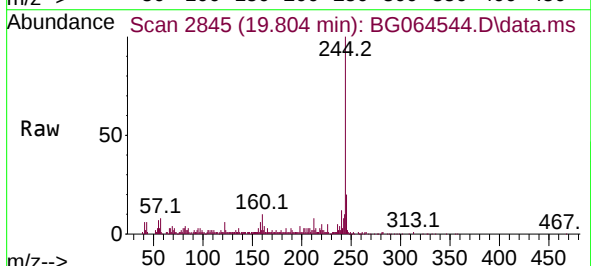
Tgt Ion:244 Resp: 69180

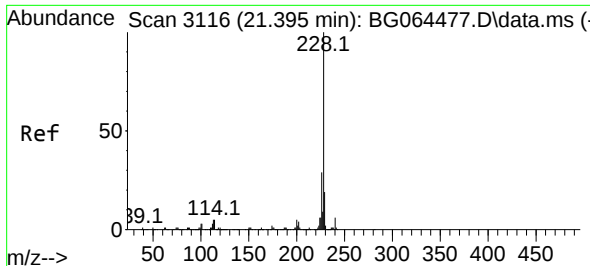
Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

122 6.1 5.6 8.4

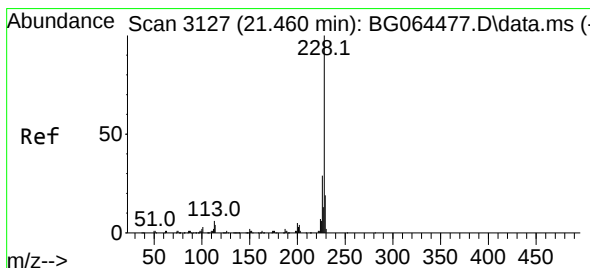
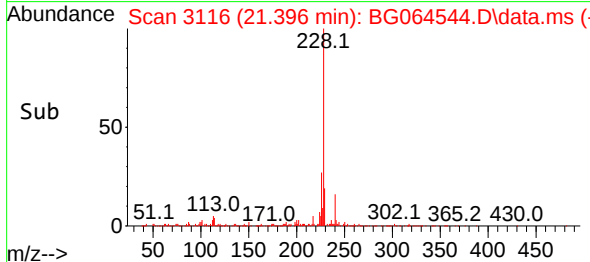
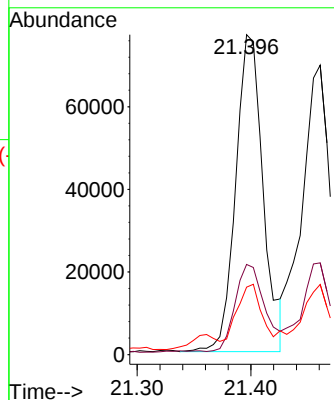
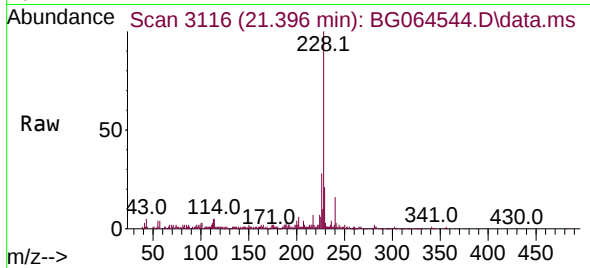




#81
Benzo(a)anthracene
Concen: 16.445 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

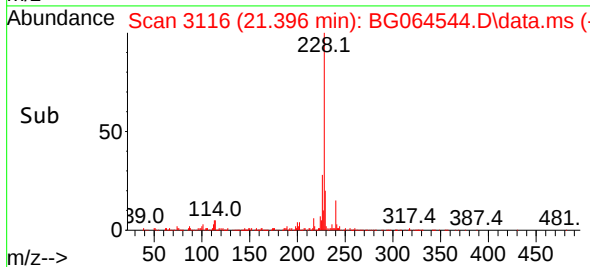
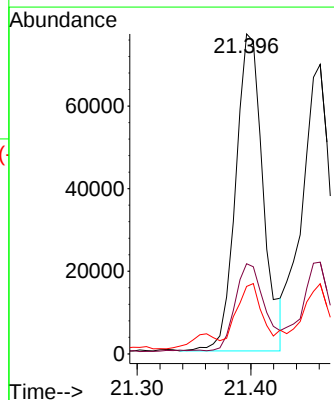
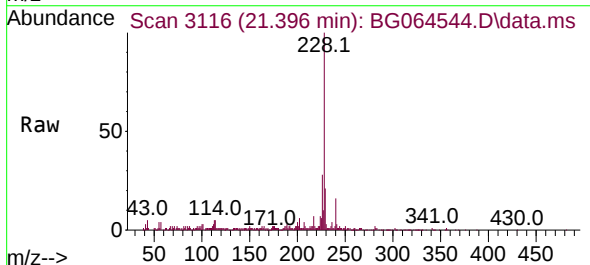
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

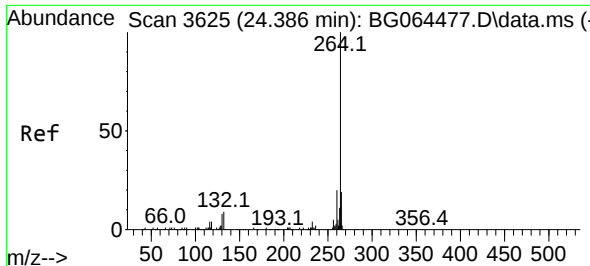
Tgt Ion:228 Resp: 128261
Ion Ratio Lower Upper
228 100
226 28.2 22.8 34.2
229 21.1 15.2 22.8



#83
Chrysene
Concen: 17.341 ng
RT: 21.396 min Scan# 3116
Delta R.T. -0.055 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 15.4 23.0

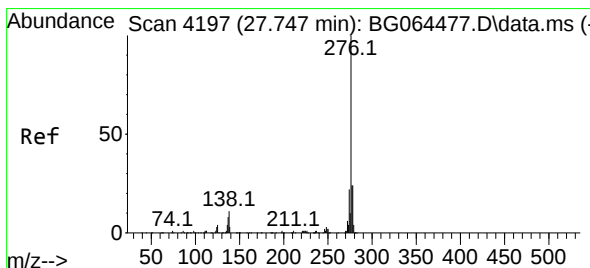
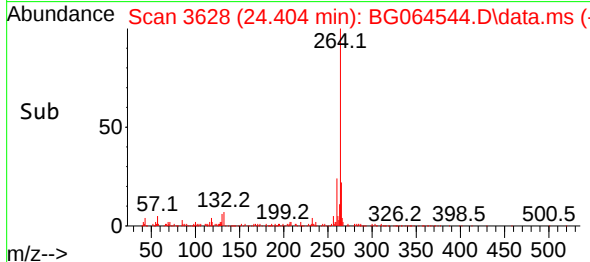
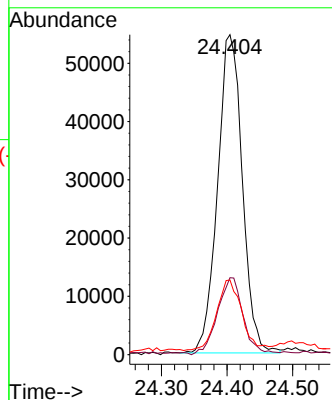
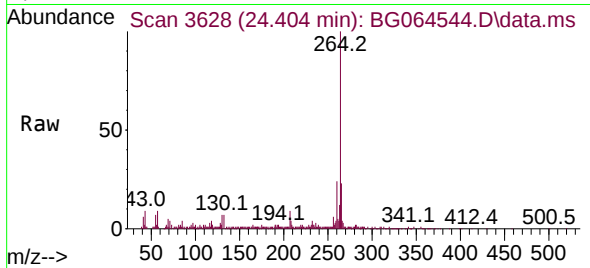




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.404 min Scan# 30
Delta R.T. 0.015 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

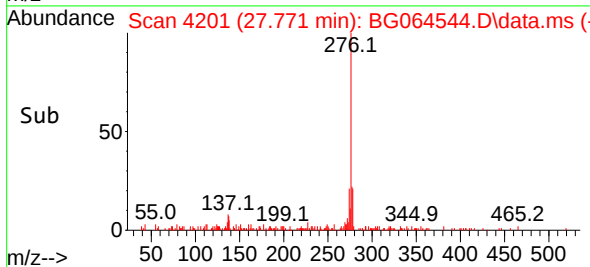
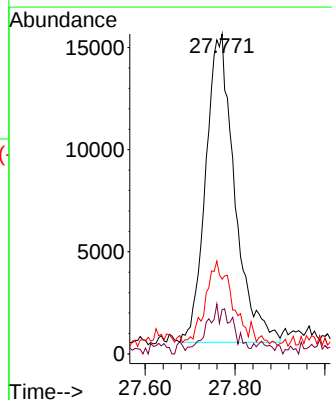
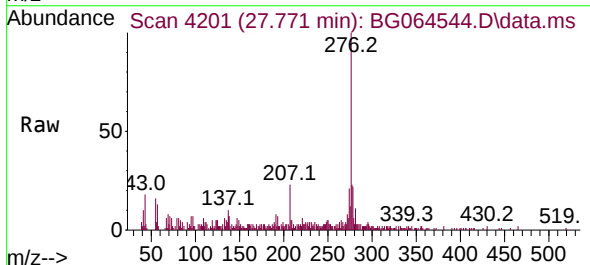
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

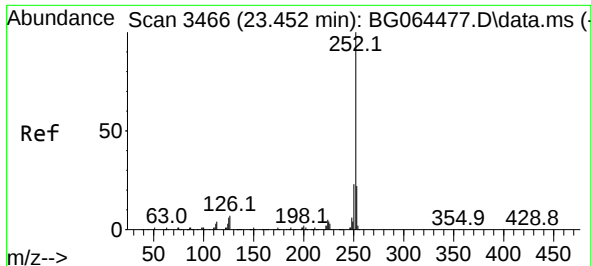
Tgt Ion:264 Resp: 143180
Ion Ratio Lower Upper
264 100
260 24.0 16.2 24.4
265 23.3 15.0 22.4#



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.785 ng
RT: 27.771 min Scan# 4201
Delta R.T. 0.039 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

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

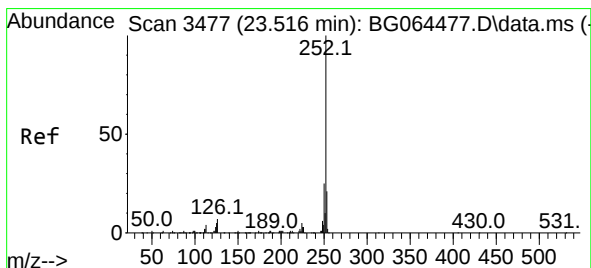
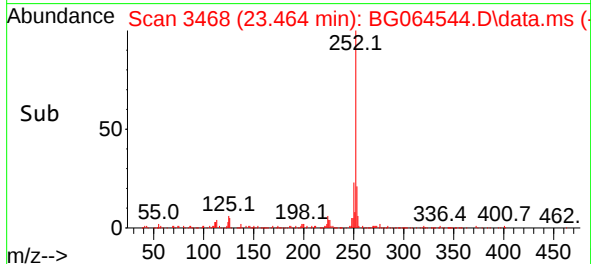
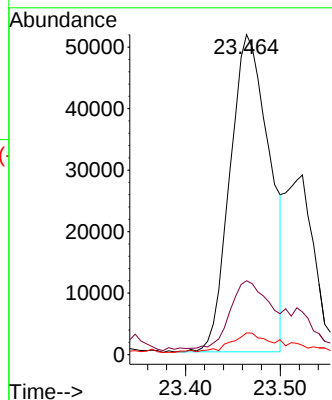
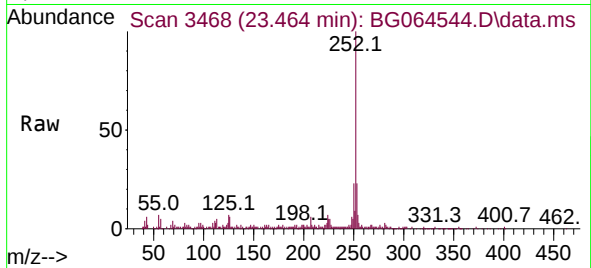




#88
Benzo(b)fluoranthene
Concen: 18.282 ng
RT: 23.464 min Scan# 3468
Delta R.T. 0.015 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

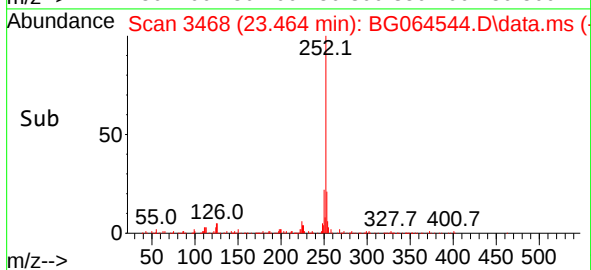
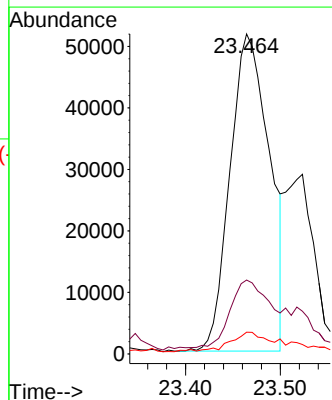
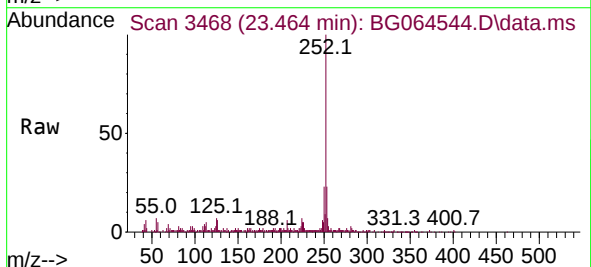
Instrument :
BNA_G
ClientSampleId :
TR-1-101625

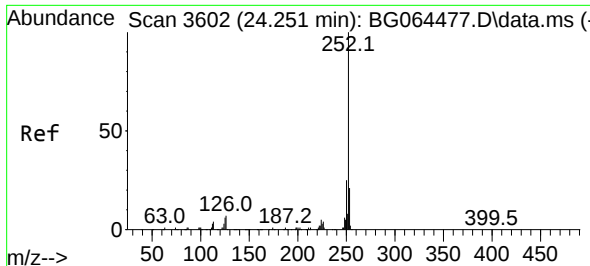
Tgt Ion:252 Resp: 148919
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 6.8 4.5 6.7#



#89
Benzo(k)fluoranthene
Concen: 18.152 ng
RT: 23.464 min Scan# 3468
Delta R.T. -0.044 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 17.4 26.2
125 6.8 4.0 6.0#

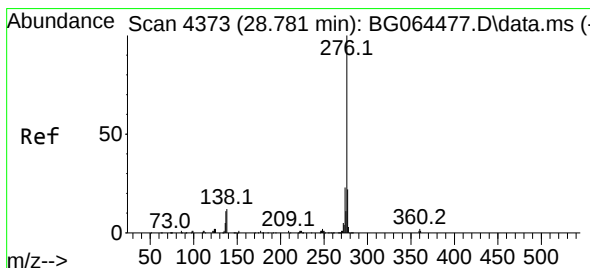
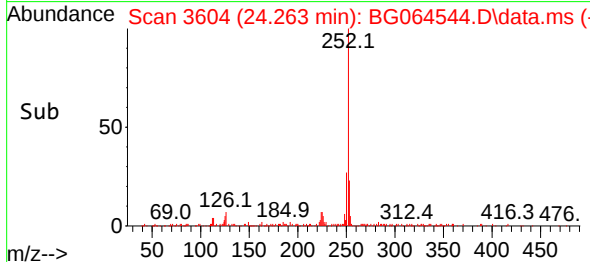
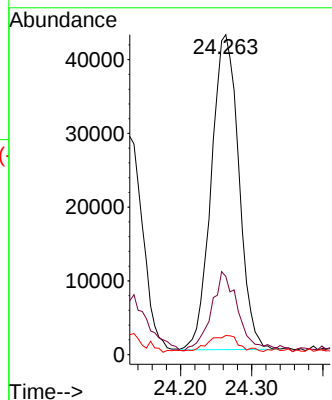
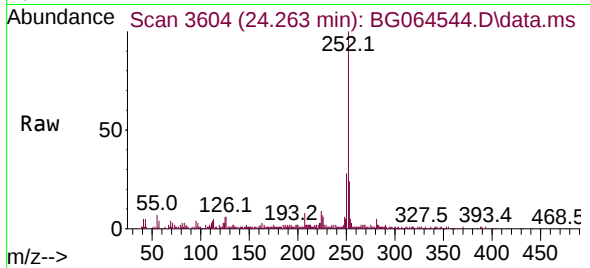




#90
Benzo(a)pyrene
Concen: 15.293 ng
RT: 24.263 min Scan# 3604
Delta R.T. 0.015 min
Lab File: BG064544.D
Acq: 17 Oct 2025 20:34

Instrument :
BNA_G
ClientSampleId :
TR-1-101625

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



#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#

