

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
 Data File : BG064615.D
 Acq On : 29 Oct 2025 00:01
 Operator : RC/JU
 Sample : Q3457-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102425

Quant Time: Nov 04 05:55:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

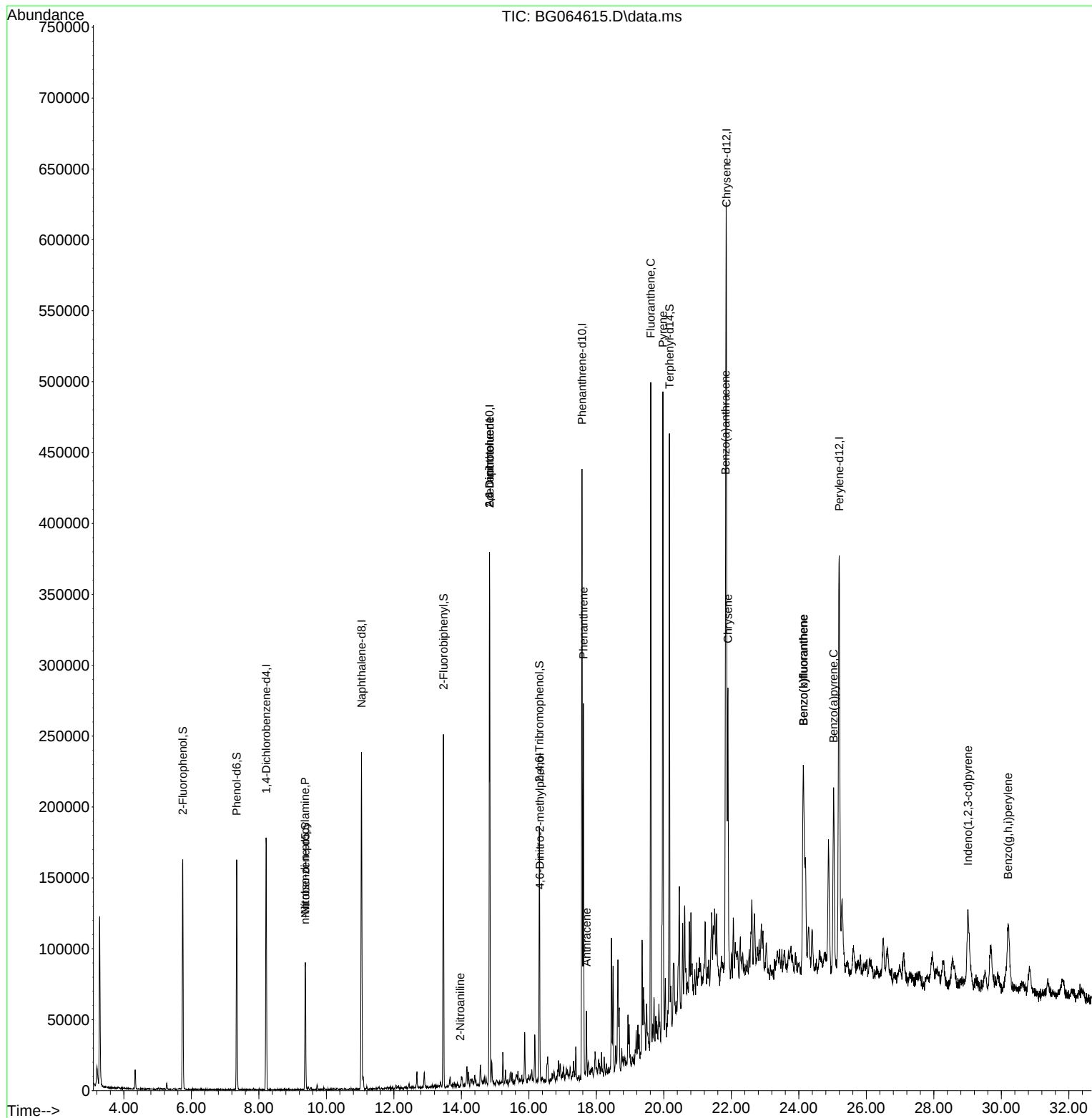
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.215	152	48084	20.000	ng	0.00
21) Naphthalene-d8	11.041	136	182913	20.000	ng	0.00
39) Acenaphthene-d10	14.836	164	131043	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	267186	20.000	ng	0.00
76) Chrysene-d12	21.852	240	310405	20.000	ng	0.00
86) Perylene-d12	25.195	264	337294	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	64735	22.597	ng	0.00
7) Phenol-d6	7.345	99	83215	21.169	ng	0.00
23) Nitrobenzene-d5	9.378	82	48656	15.977	ng	0.00
42) 2,4,6-Tribromophenol	16.311	330	35083	18.549	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	130831	15.133	ng	0.00
79) Terphenyl-d14	20.165	244	207066	12.589	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.372	70	6701	2.467	ng	# 67
48) 2-Nitroaniline	13.967	65	113	3.270	ng	# 10
51) 2,6-Dinitrotoluene	14.836	165	17584	13.114	ng	# 19
57) 2,4-Dinitrotoluene	14.836	165	17584	9.488	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.323	198	108	5.508	ng	# 18
71) Phenanthrene	17.615	178	165334	11.315	ng	99
72) Anthracene	17.709	178	32494	2.186	ng	98
75) Fluoranthene	19.613	202	296746	16.212	ng	99
78) Pyrene	19.971	202	295415	14.567	ng	99
81) Benzo(a)anthracene	21.828	228	163865	7.962	ng	96
83) Chrysene	21.899	228	161173	8.230	ng	96
87) Indeno(1,2,3-cd)pyrene	29.014	276	102602	4.135	ng	94
88) Benzo(b)fluoranthene	24.137	252	218210	10.550	ng	98
89) Benzo(k)fluoranthene	24.137	252	218210	10.543	ng	96
90) Benzo(a)pyrene	25.030	252	149690	7.873	ng	98
92) Benzo(g,h,i)perylene	30.201	276	101839	5.288	ng	96

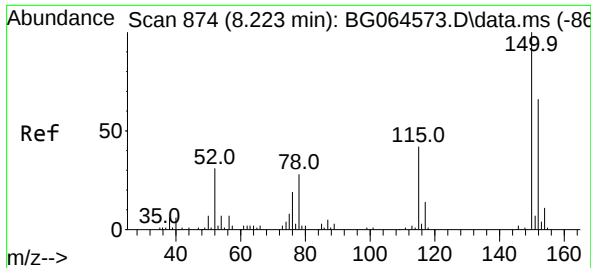
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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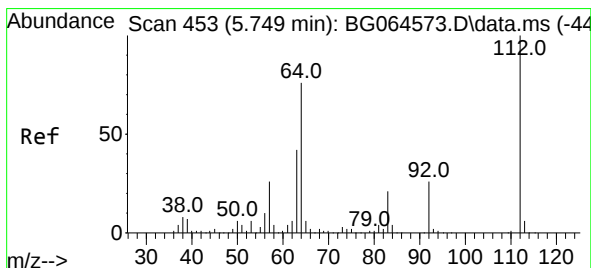
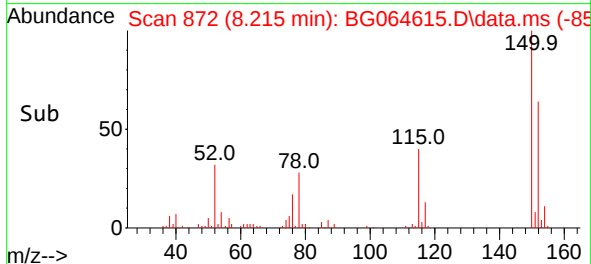
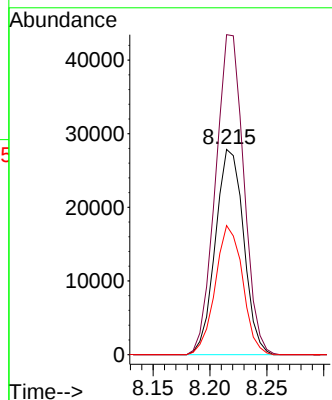
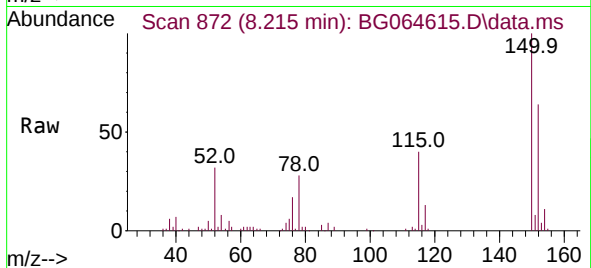




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.215 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

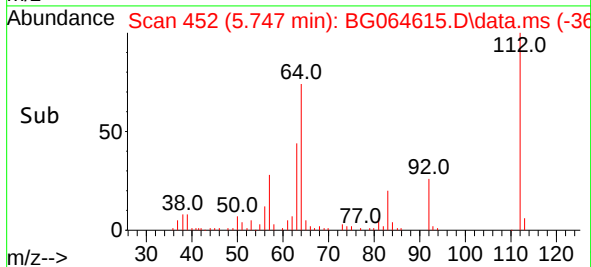
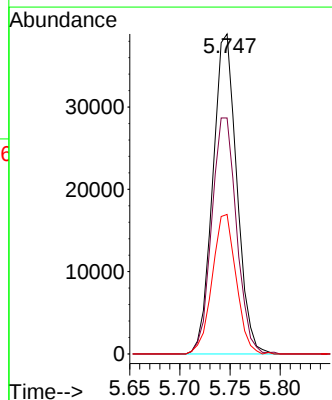
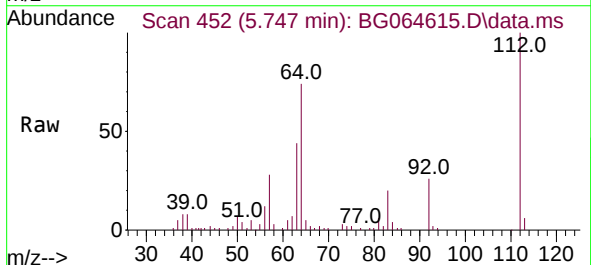
Instrument :
BNA_G
ClientSampleId :
TR-05-102425

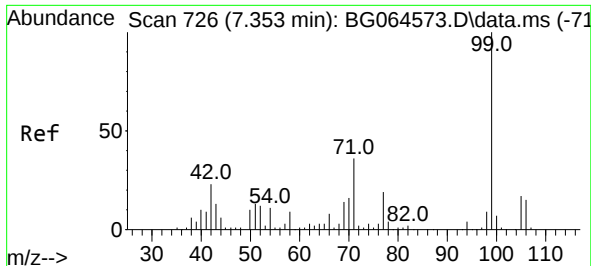
Tgt Ion:152 Resp: 48084
Ion Ratio Lower Upper
152 100
150 155.9 122.2 183.4
115 62.9 50.8 76.2



#5
2-Fluorophenol
Concen: 22.597 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:112 Resp: 64735
Ion Ratio Lower Upper
112 100
64 73.7 60.7 91.1
63 43.6 33.4 50.0

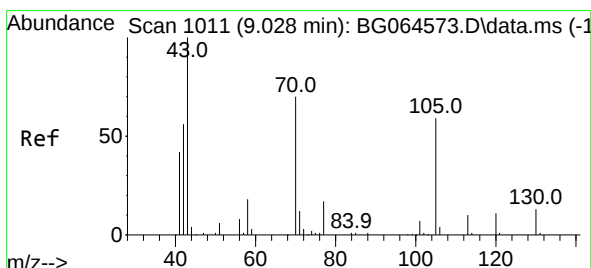
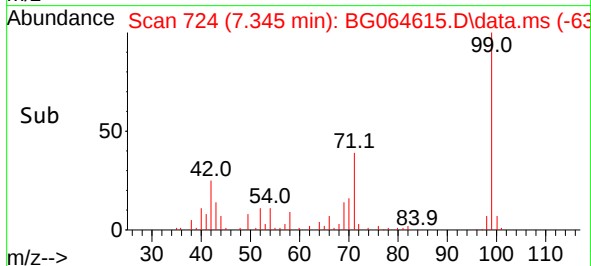
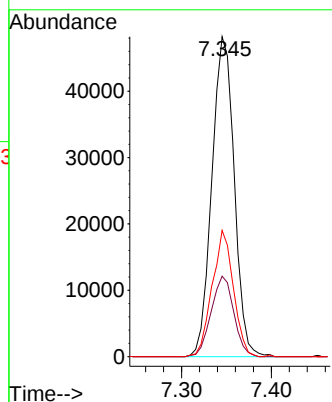
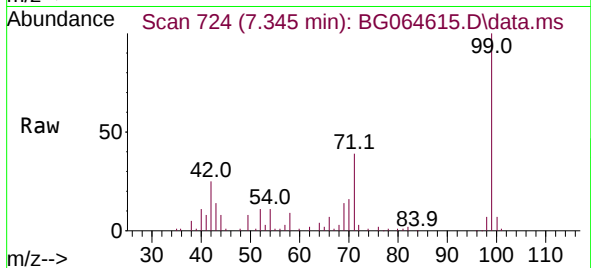




#7
Phenol-d6
Concen: 21.169 ng
RT: 7.345 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

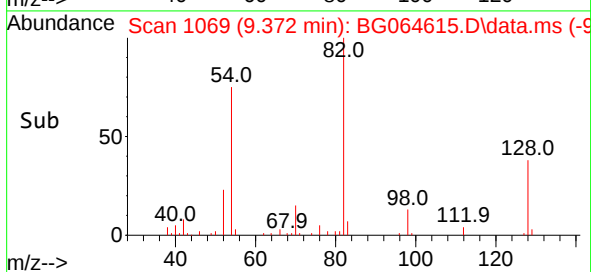
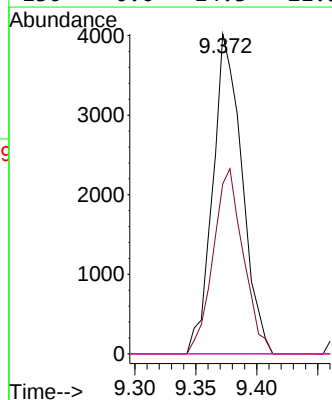
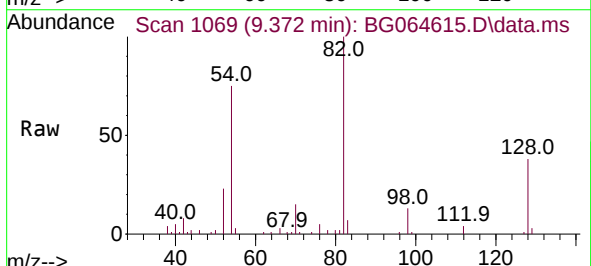
Instrument :
BNA_G
ClientSampleId :
TR-05-102425

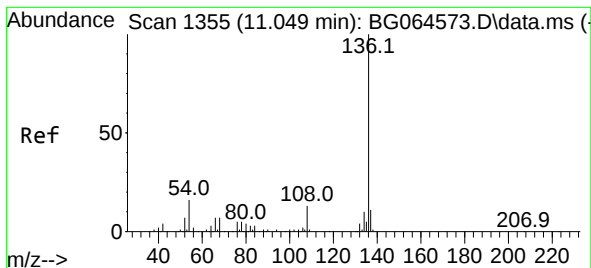
Tgt Ion: 99 Resp: 83215
Ion Ratio Lower Upper
99 100
42 25.1 18.3 27.5
71 39.4 28.6 43.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.467 ng
RT: 9.372 min Scan# 1069
Delta R.T. 0.344 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion: 70 Resp: 6701
Ion Ratio Lower Upper
70 100
42 53.1 65.2 97.8#
101 0.0 7.9 11.9#
130 0.0 14.3 21.5#



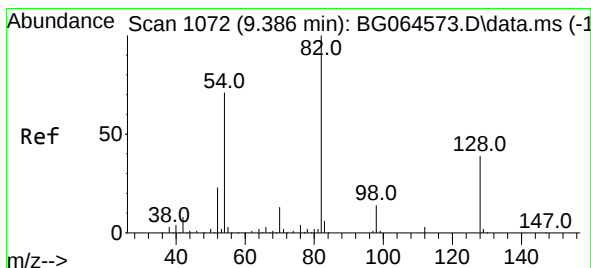
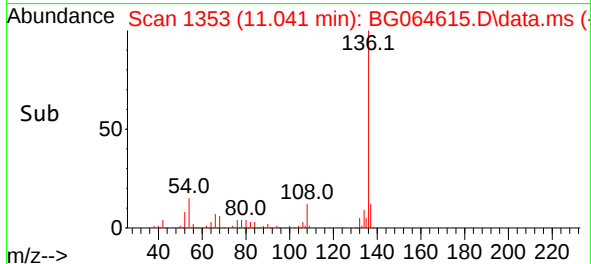
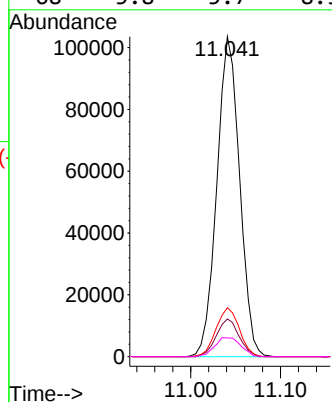
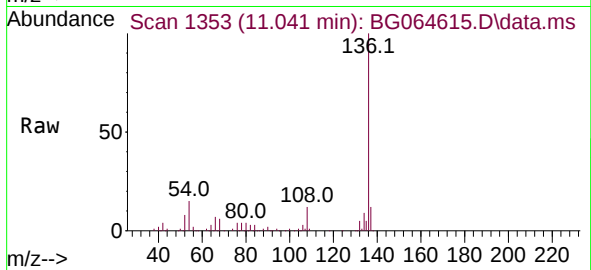


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.041 min Scan# 1353
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Instrument :
BNA_G
ClientSampleId :
TR-05-102425

Tgt Ion:136 Resp: 182913

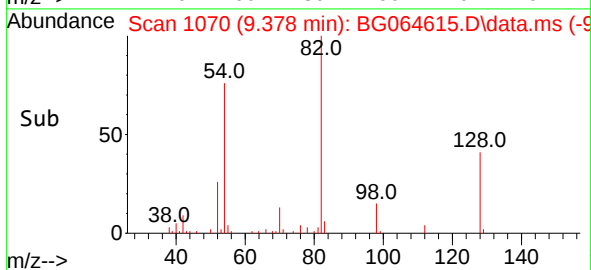
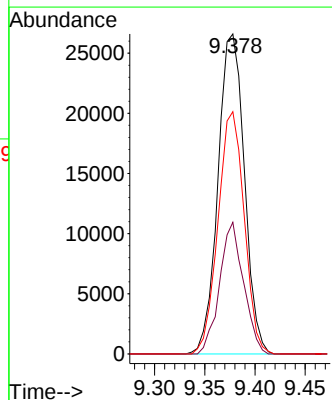
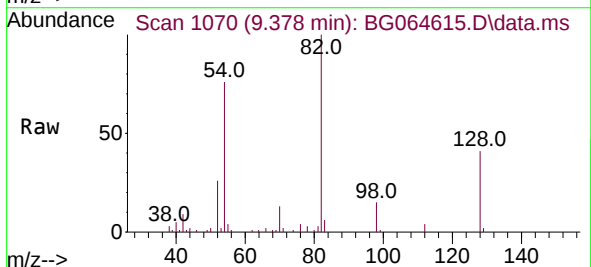
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	15.3	12.6	19.0
68	5.8	5.7	8.5

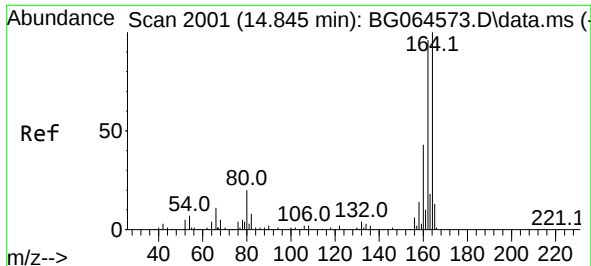


#23
Nitrobenzene-d5
Concen: 15.977 ng
RT: 9.378 min Scan# 1070
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion: 82 Resp: 48656

Ion	Ratio	Lower	Upper
82	100		
128	41.1	31.3	46.9
54	75.7	56.6	84.8

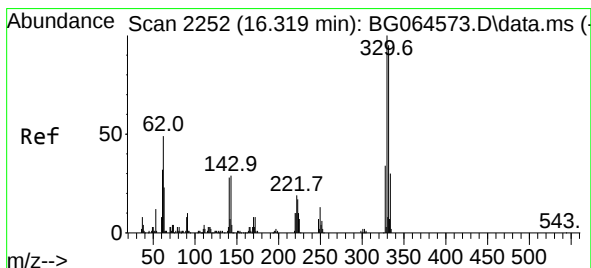
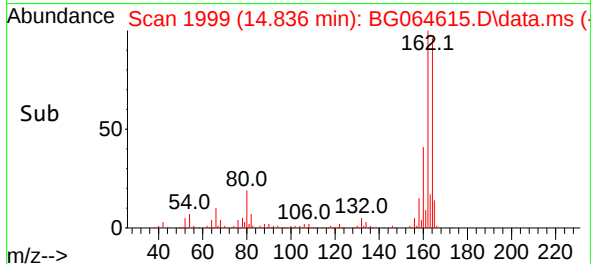
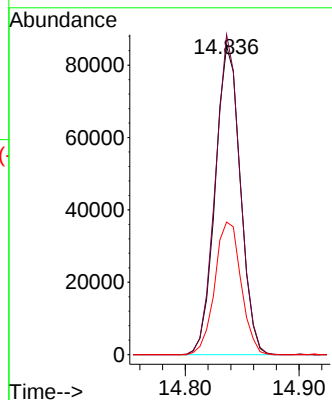
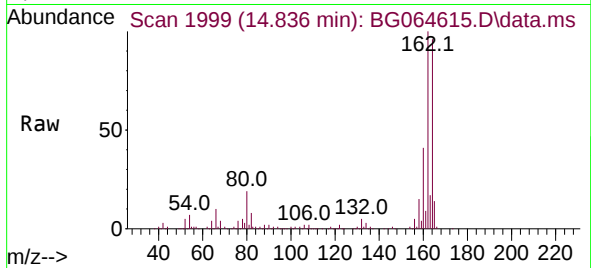




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.836 min Scan# 19
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

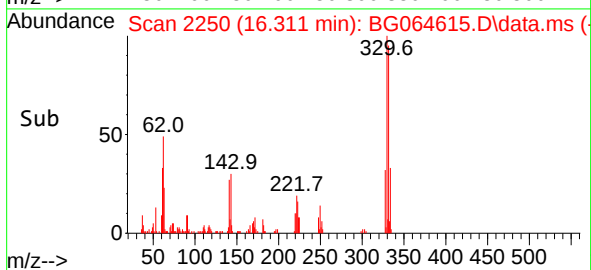
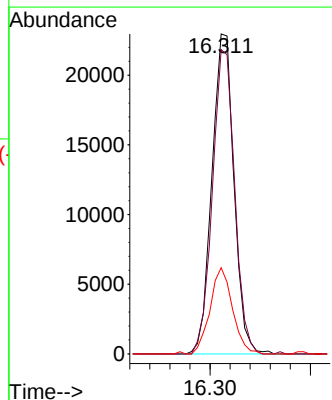
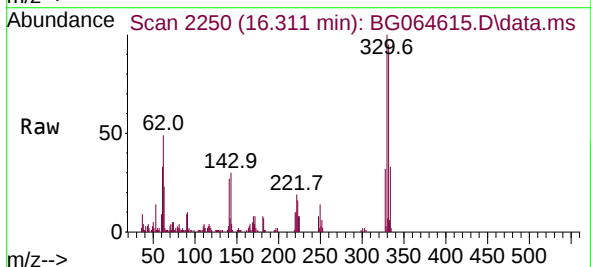
Instrument :
BNA_G
ClientSampleId :
TR-05-102425

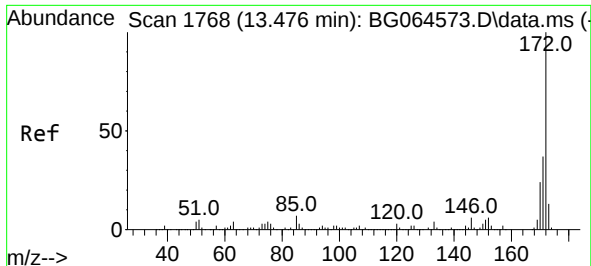
Tgt Ion:164 Resp: 131043
Ion Ratio Lower Upper
164 100
162 103.7 77.0 115.6
160 42.9 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 18.549 ng
RT: 16.311 min Scan# 2250
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:330 Resp: 35083
Ion Ratio Lower Upper
330 100
332 95.6 78.0 117.0
141 27.5 21.8 32.6

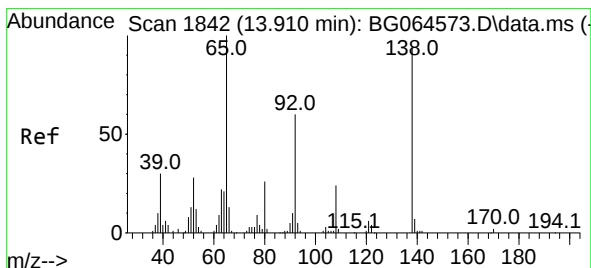
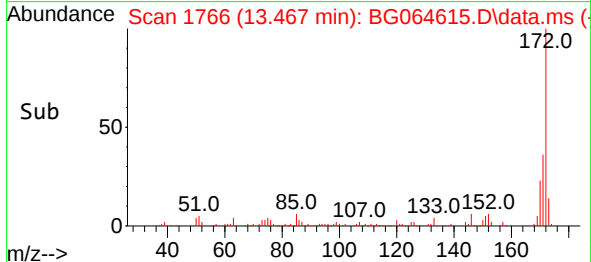
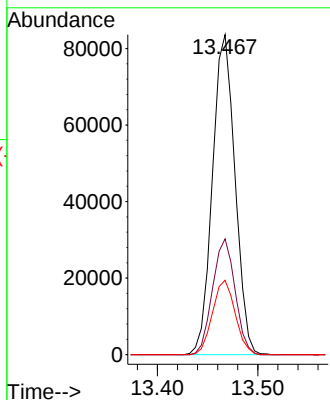
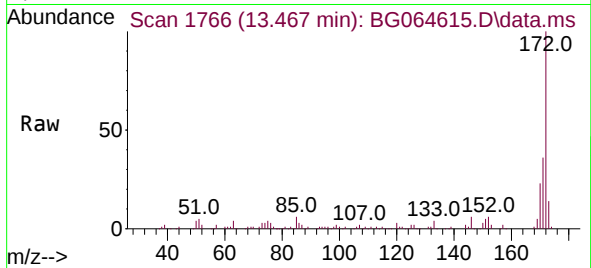




#45
2-Fluorobiphenyl
Concen: 15.133 ng
RT: 13.467 min Scan# 1768
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

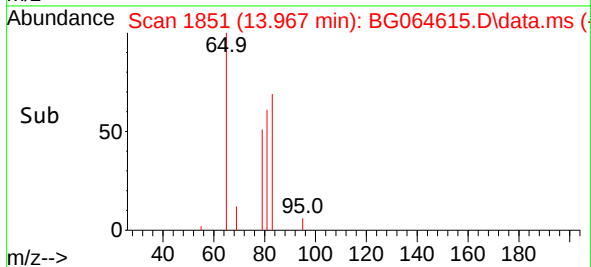
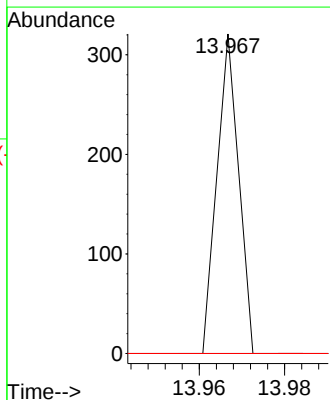
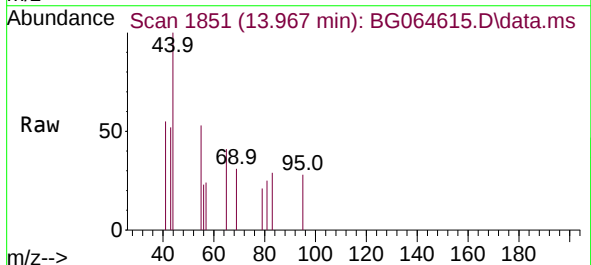
Instrument :
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ClientSampleId :
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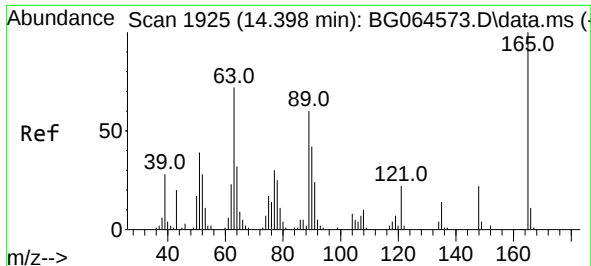
Tgt Ion:172 Resp: 130831
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.3 19.1 28.7



#48
2-Nitroaniline
Concen: 3.270 ng
RT: 13.967 min Scan# 1851
Delta R.T. 0.057 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion: 65 Resp: 113
Ion Ratio Lower Upper
65 100
92 0.0 48.3 72.5#
138 0.0 74.9 112.3#





#51

2,6-Dinitrotoluene

Concen: 13.114 ng

RT: 14.836 min Scan# 19

Delta R.T. 0.438 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102425

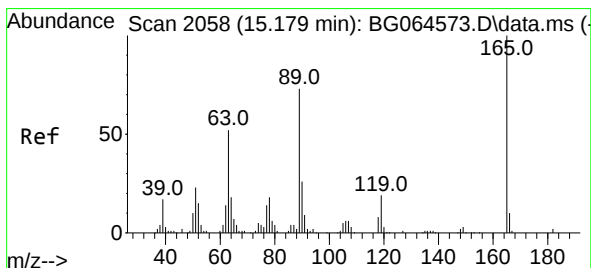
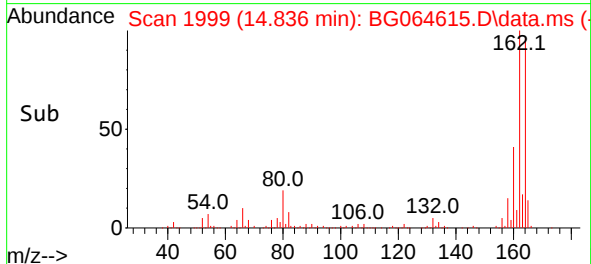
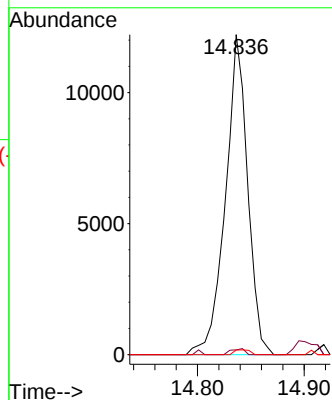
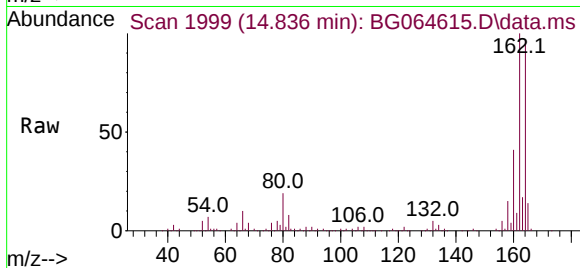
Tgt Ion:165 Resp: 17584

Ion Ratio Lower Upper

165 100

63 1.5 57.4 86.0#

89 1.4 47.8 71.8#



#57

2,4-Dinitrotoluene

Concen: 9.488 ng

RT: 14.836 min Scan# 1999

Delta R.T. -0.343 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Tgt Ion:165 Resp: 17584

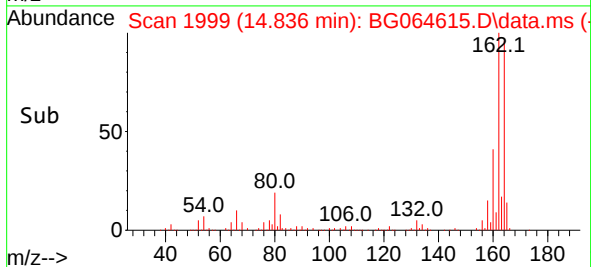
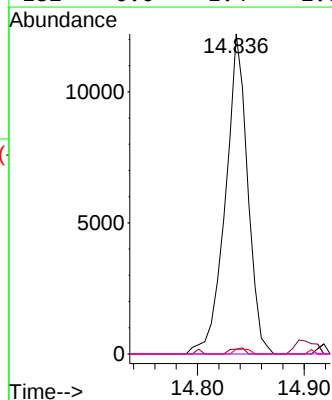
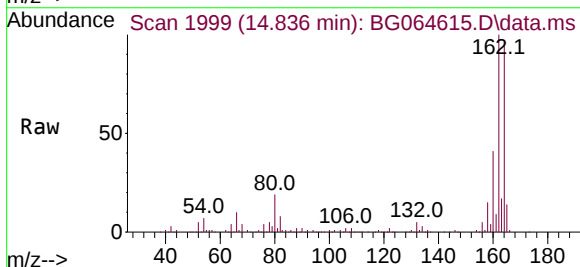
Ion Ratio Lower Upper

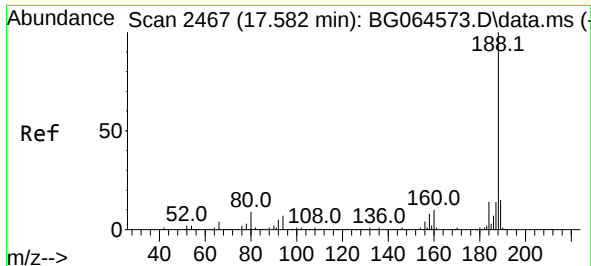
165 100

63 1.5 41.8 62.8#

89 1.4 58.1 87.1#

182 0.0 1.4 2.0#

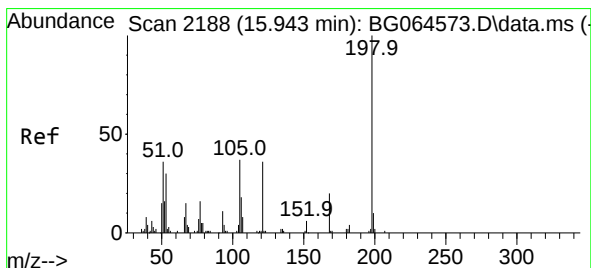
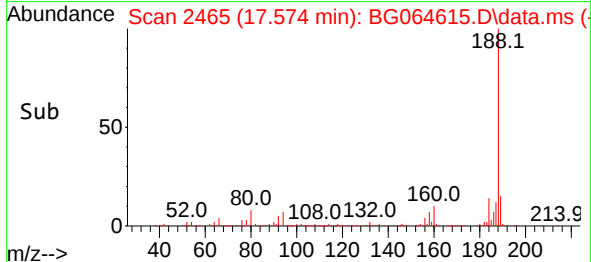
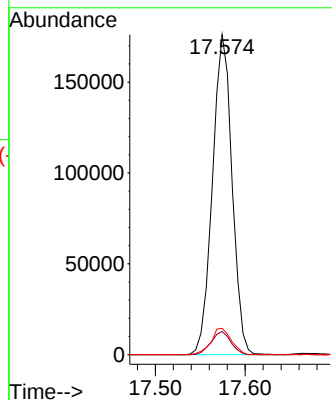
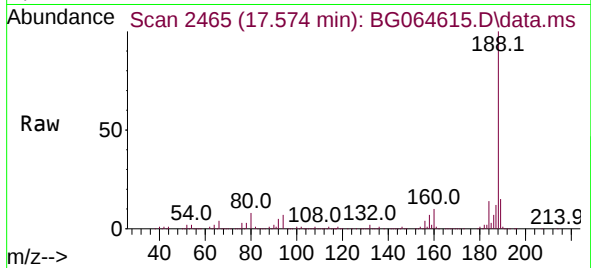




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 2465
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

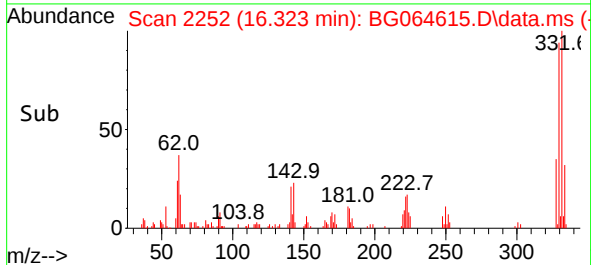
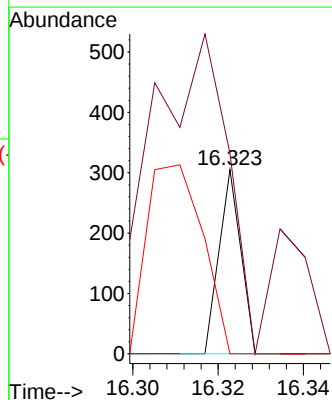
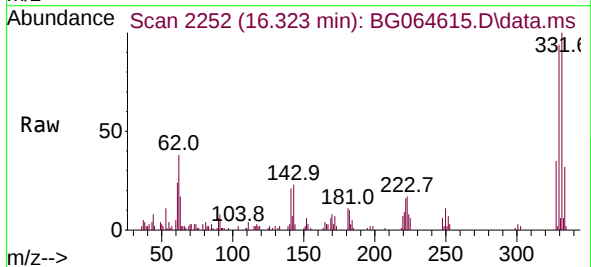
Instrument :
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TR-05-102425

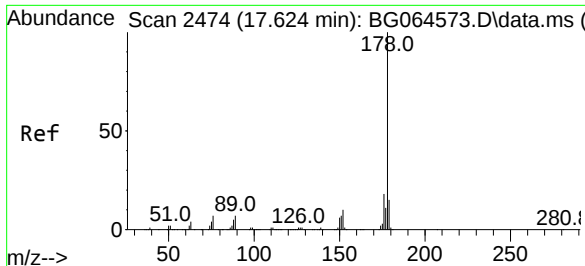
Tgt Ion:188 Resp: 267186
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.2 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.508 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.380 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 108.9 24.7 64.7#
105 0.0 18.0 58.0#

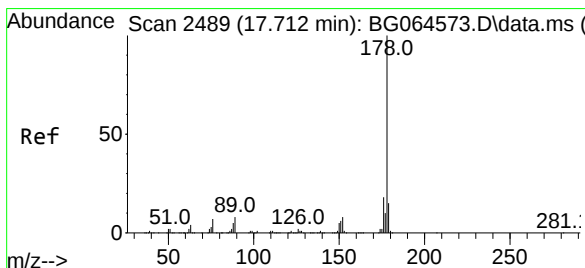
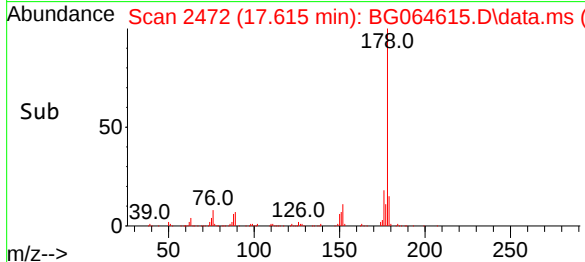
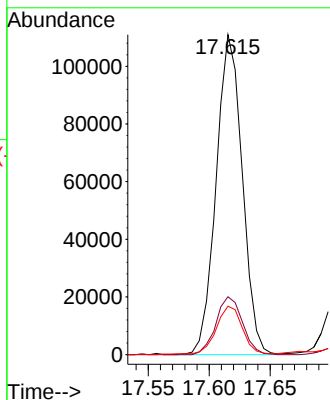
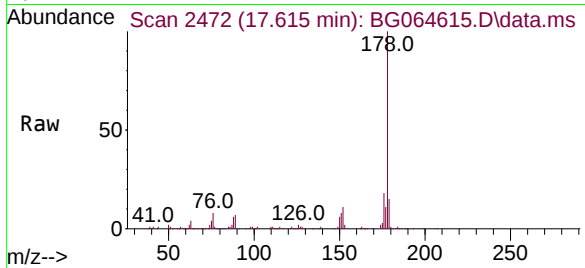




#71
Phenanthrene
Concen: 11.315 ng
RT: 17.615 min Scan# 2474
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

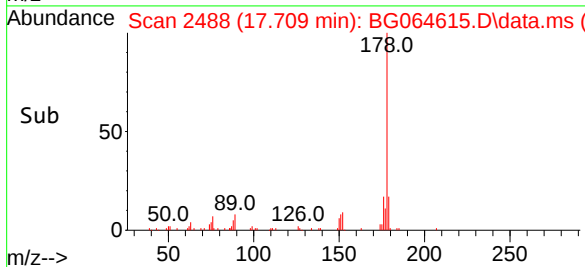
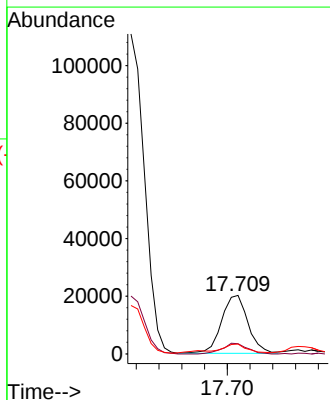
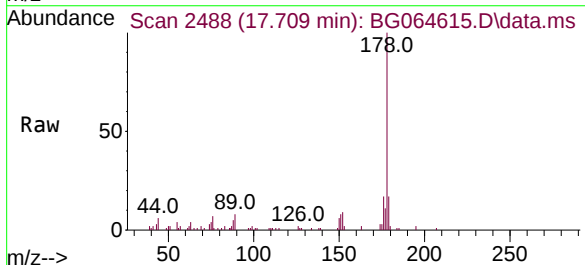
Instrument :
BNA_G
ClientSampleId :
TR-05-102425

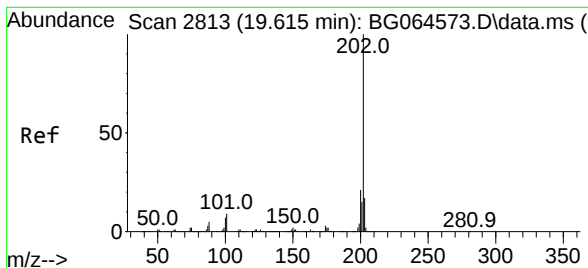
Tgt Ion:178 Resp: 165334
Ion Ratio Lower Upper
178 100
176 18.1 14.7 22.1
179 15.1 12.2 18.4



#72
Anthracene
Concen: 2.186 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.002 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:178 Resp: 32494
Ion Ratio Lower Upper
178 100
176 17.3 14.4 21.6
179 16.9 12.4 18.6





#75

Fluoranthene

Concen: 16.212 ng

RT: 19.613 min Scan# 2813

Delta R.T. -0.002 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102425

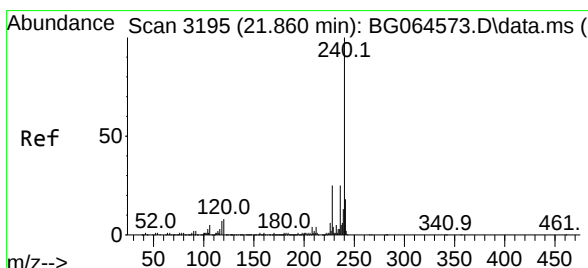
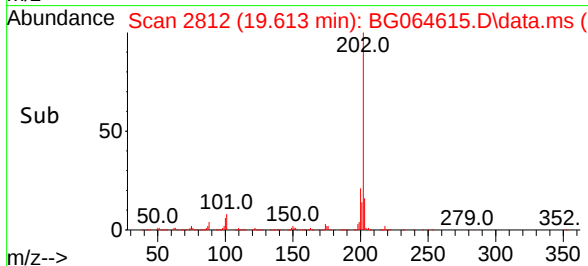
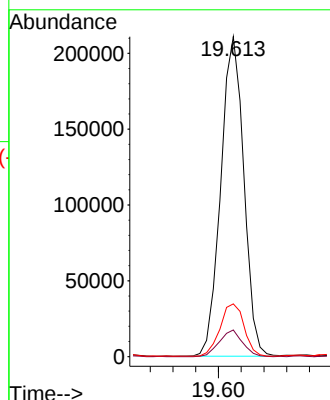
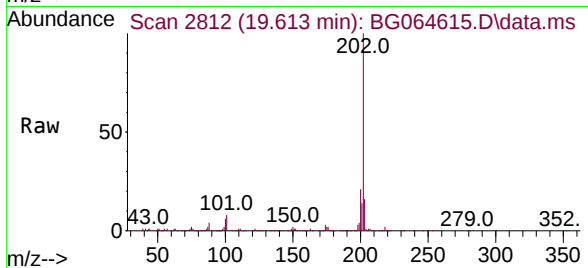
Tgt Ion:202 Resp: 296746

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.7

203 16.5 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.852 min Scan# 3193

Delta R.T. -0.008 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

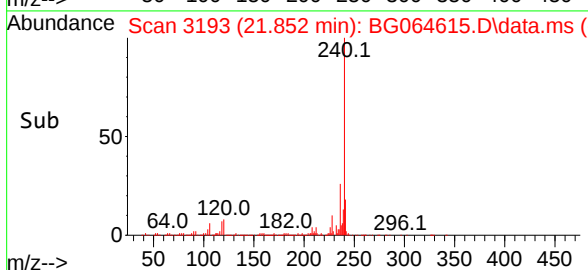
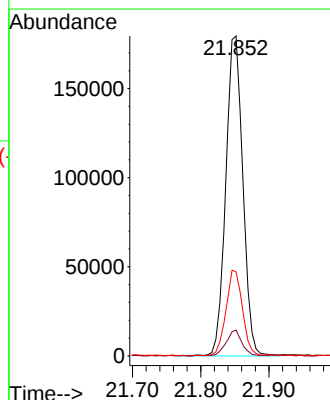
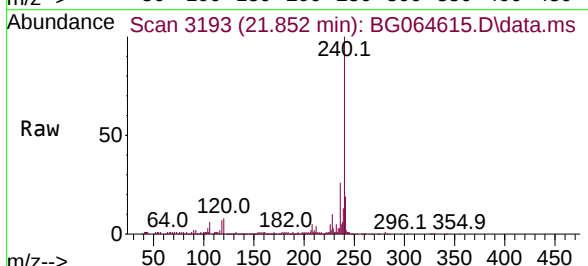
Tgt Ion:240 Resp: 310405

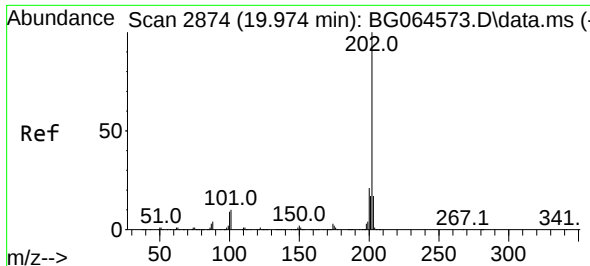
Ion Ratio Lower Upper

240 100

120 8.1 6.5 9.7

236 26.3 20.2 30.2

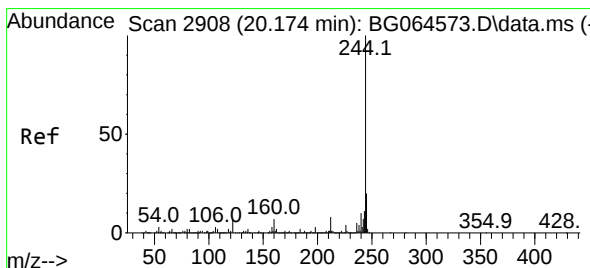
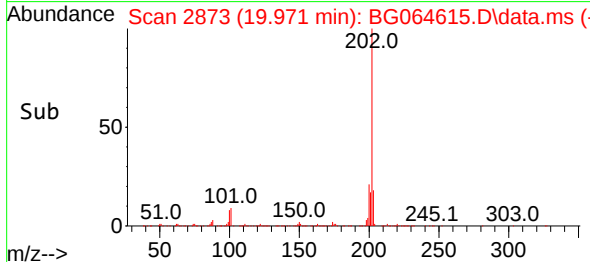
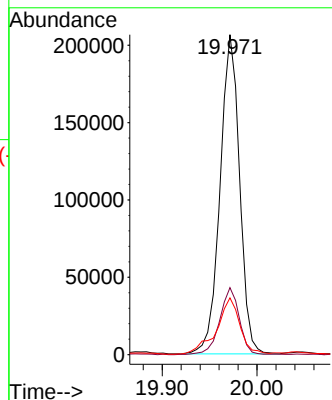
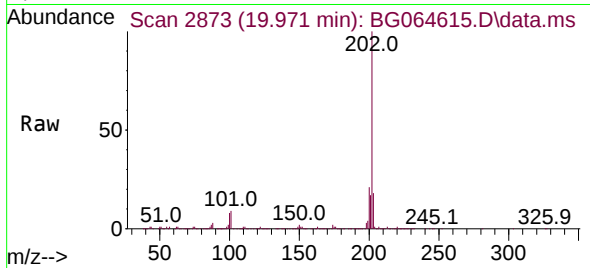




#78
 Pyrene
 Concen: 14.567 ng
 RT: 19.971 min Scan# 2874
 Delta R.T. -0.002 min
 Lab File: BG064615.D
 Acq: 29 Oct 2025 00:01

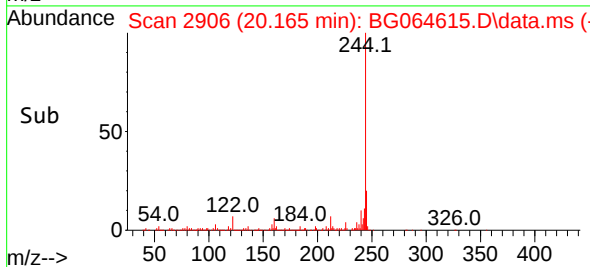
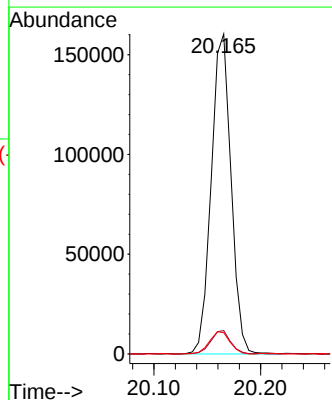
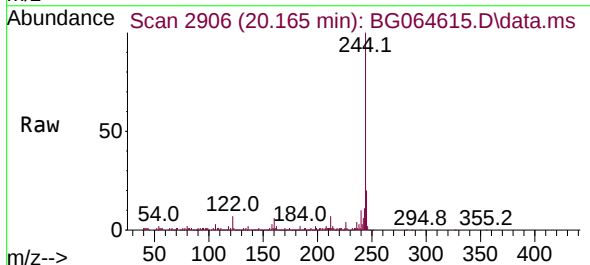
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-102425

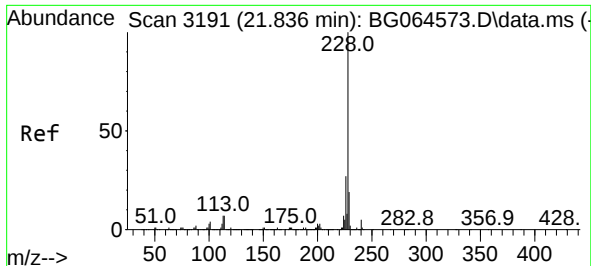
Tgt Ion:202 Resp: 295415
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.4
 203 17.7 13.8 20.6



#79
 Terphenyl-d14
 Concen: 12.589 ng
 RT: 20.165 min Scan# 2906
 Delta R.T. -0.008 min
 Lab File: BG064615.D
 Acq: 29 Oct 2025 00:01

Tgt Ion:244 Resp: 207066
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.6 5.6 8.4

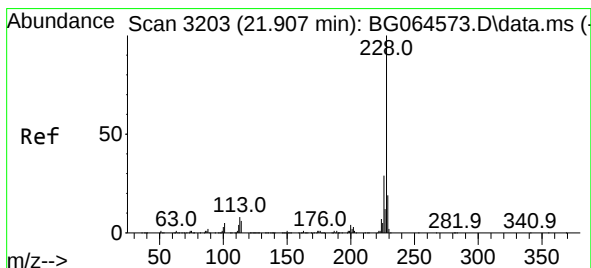
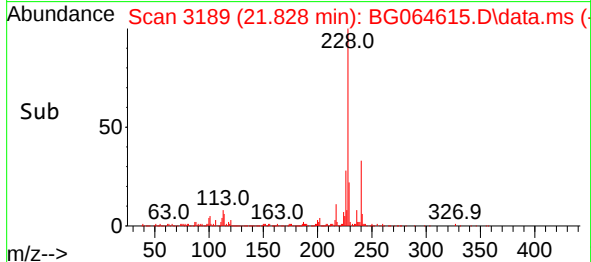
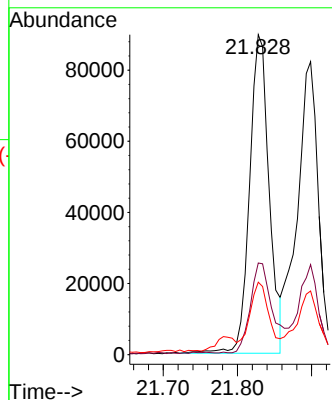
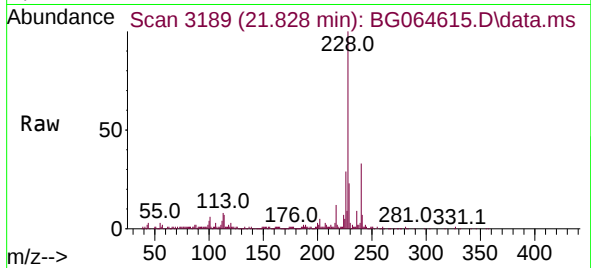




#81
Benzo(a)anthracene
Concen: 7.962 ng
RT: 21.828 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

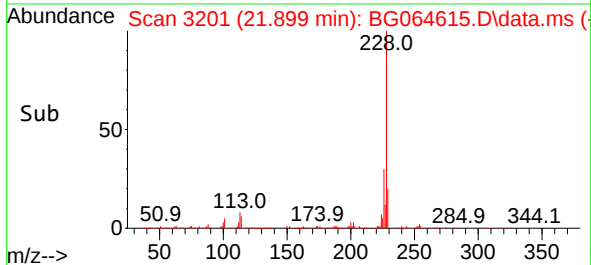
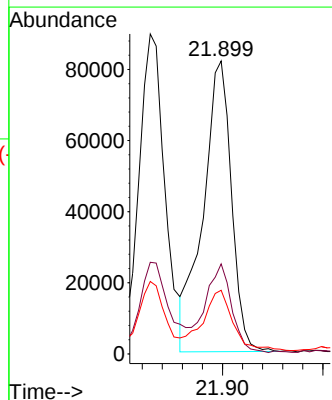
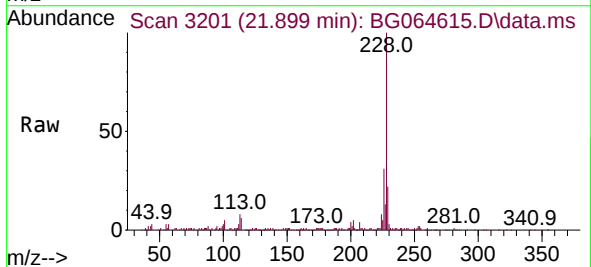
Instrument :
BNA_G
ClientSampleId :
TR-05-102425

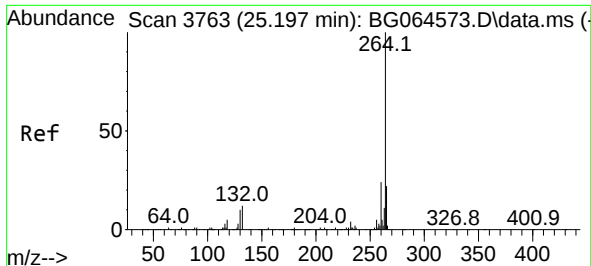
Tgt Ion:228 Resp: 163865
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 22.6 15.6 23.4



#83
Chrysene
Concen: 8.230 ng
RT: 21.899 min Scan# 3201
Delta R.T. -0.008 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:228 Resp: 161173
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 21.7 15.2 22.8



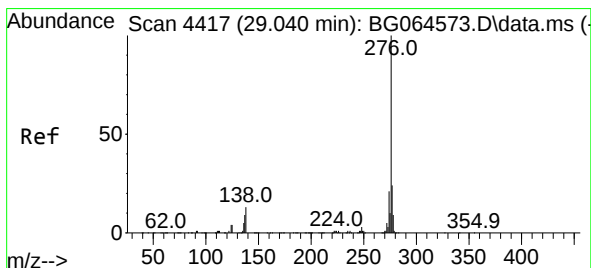
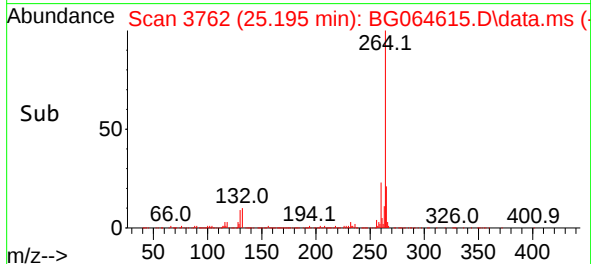
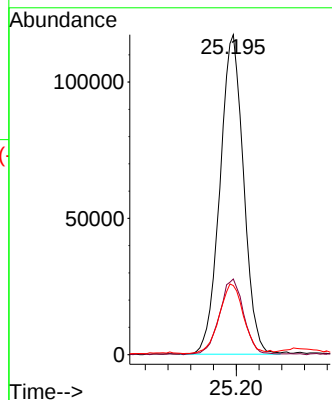
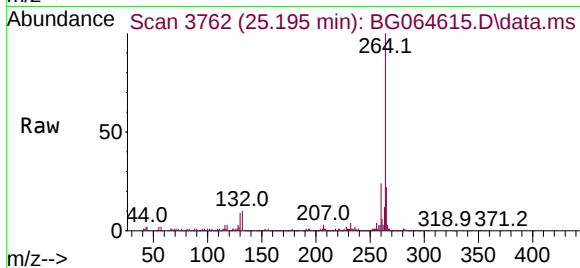


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Instrument :
BNA_G
ClientSampleId :
TR-05-102425

Tgt Ion:264 Resp: 337294

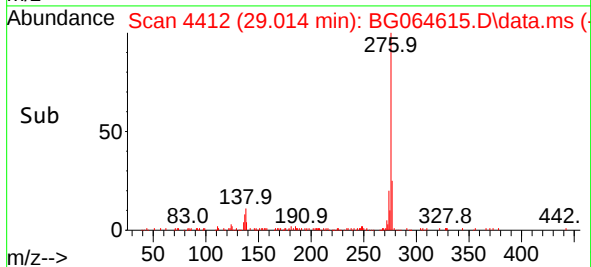
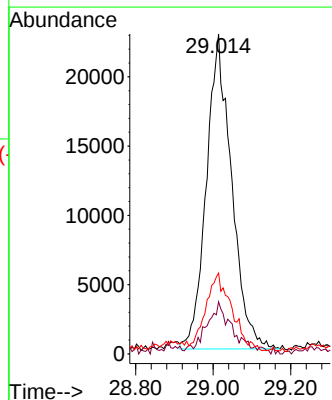
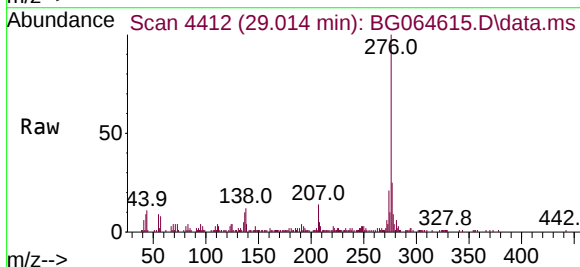
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.6	17.6	26.4

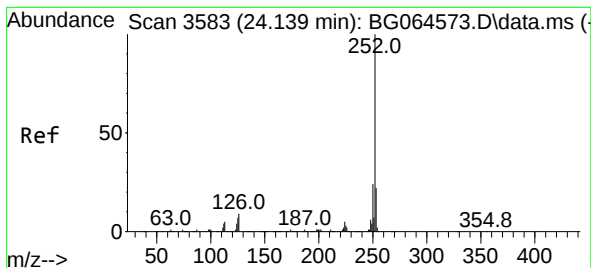


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.135 ng
RT: 29.014 min Scan# 4412
Delta R.T. -0.026 min
Lab File: BG064615.D
Acq: 29 Oct 2025 00:01

Tgt Ion:276 Resp: 102602

Ion	Ratio	Lower	Upper
276	100		
138	11.7	10.8	16.2
277	21.6	20.1	30.1





#88

Benzo(b)fluoranthene

Concen: 10.550 ng

RT: 24.137 min Scan# 3583

Delta R.T. -0.002 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102425

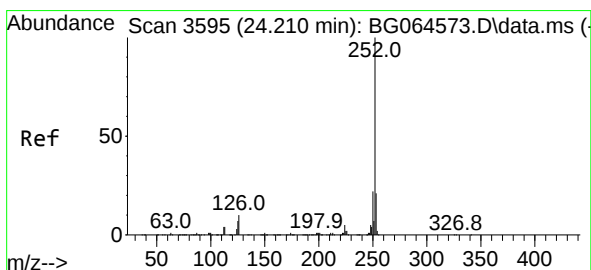
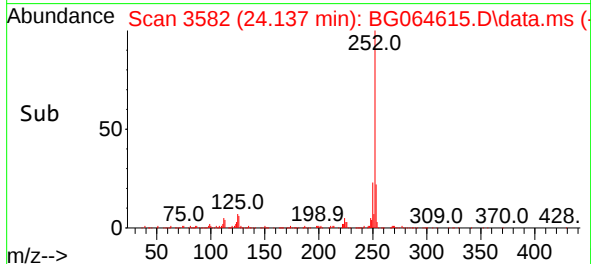
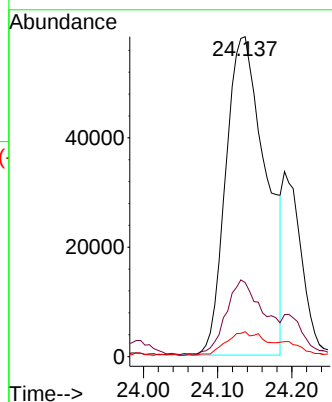
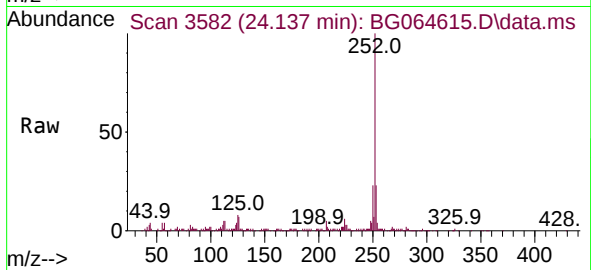
Tgt Ion:252 Resp: 218210

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 7.8 5.6 8.4



#89

Benzo(k)fluoranthene

Concen: 10.543 ng

RT: 24.137 min Scan# 3582

Delta R.T. -0.073 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

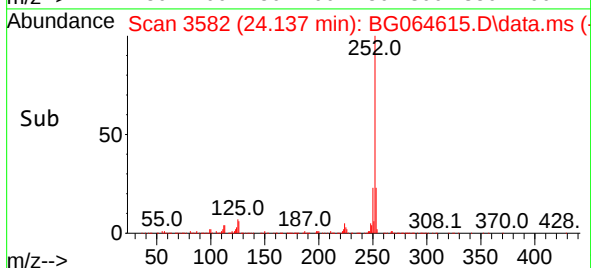
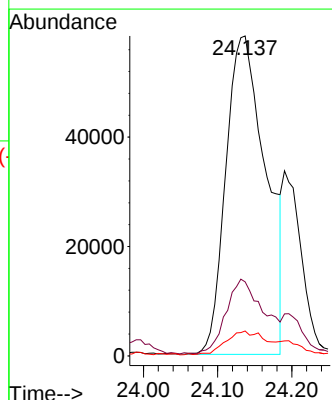
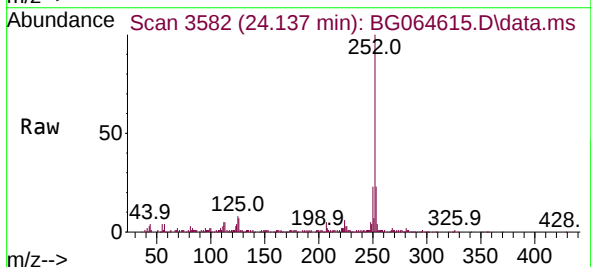
Tgt Ion:252 Resp: 218210

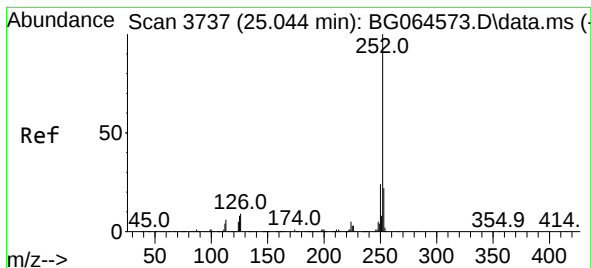
Ion Ratio Lower Upper

252 100

253 23.1 16.8 25.2

125 7.8 5.4 8.0





#90

Benzo(a)pyrene

Concen: 7.873 ng

RT: 25.030 min Scan# 31

Delta R.T. -0.014 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Instrument :

BNA_G

ClientSampleId :

TR-05-102425

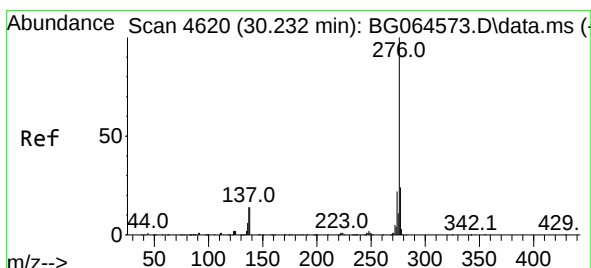
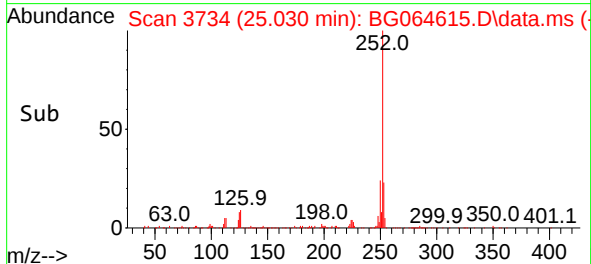
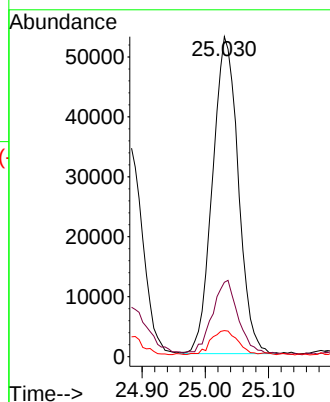
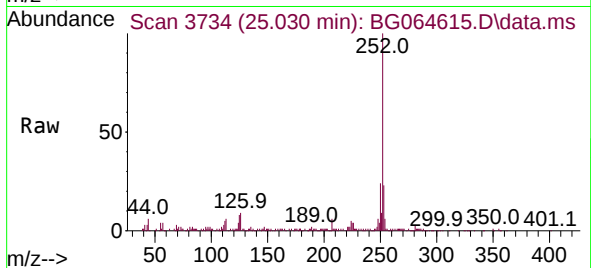
Tgt Ion:252 Resp: 149690

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 8.1 6.1 9.1



#92

Benzo(g,h,i)perylene

Concen: 5.288 ng

RT: 30.201 min Scan# 4614

Delta R.T. -0.032 min

Lab File: BG064615.D

Acq: 29 Oct 2025 00:01

Tgt Ion:276 Resp: 101839

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 12.6 11.3 16.9

