

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064545.D
 Acq On : 17 Oct 2025 21:15
 Operator : RC/JU
 Sample : Q3369-01 5X
 Misc : 8270/625.1 SPIKE
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-22

Quant Time: Oct 17 23:23:15 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)

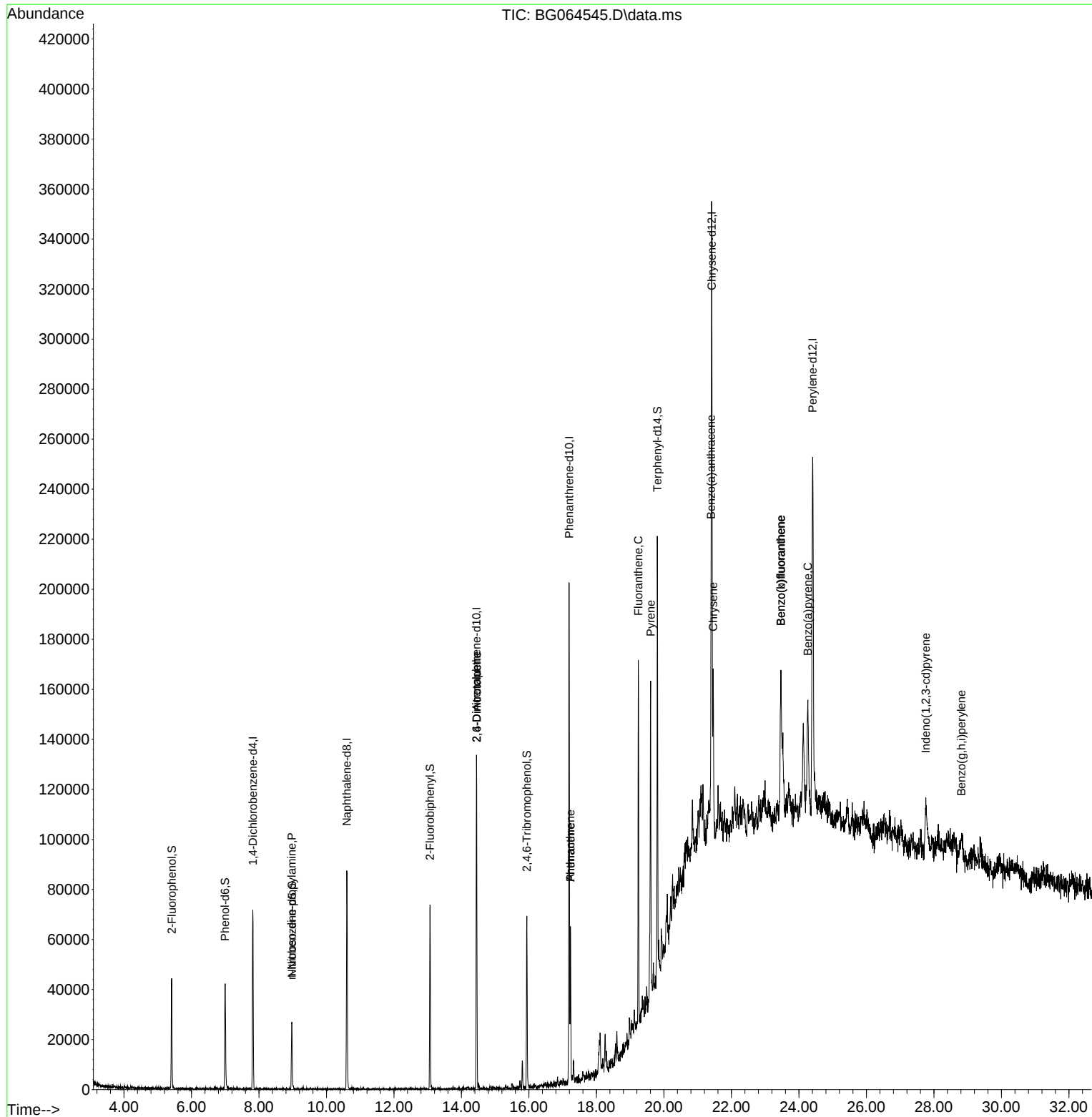
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	17797	20.000	ng	0.00
21) Naphthalene-d8	10.603	136	72839	20.000	ng	# 0.00
39) Acenaphthene-d10	14.445	164	46776	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	118697	20.000	ng	0.00
76) Chrysene-d12	21.414	240	125591	20.000	ng	# 0.00
86) Perylene-d12	24.404	264	149341	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	16704	17.370	ng	0.00
7) Phenol-d6	6.995	99	21428	16.581	ng	0.00
23) Nitrobenzene-d5	8.975	82	15504	11.445	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	14004	16.516	ng	0.00
45) 2-Fluorobiphenyl	13.070	172	36966	11.649	ng	0.00
79) Terphenyl-d14	19.804	244	74236	11.186	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.969	70	2183	2.526	ng	# 59
51) 2,6-Dinitrotoluene	14.451	165	7207	9.444	ng	# 12
57) 2,4-Dinitrotoluene	14.451	165	7207	6.178	ng	# 21
71) Phenanthrene	17.230	178	37090	5.975	ng	97
72) Anthracene	17.230	178	37090	5.956	ng	95
75) Fluoranthene	19.240	202	87993	11.866	ng	98
78) Pyrene	19.604	202	82072	10.070	ng	98
81) Benzo(a)anthracene	21.396	228	48945	6.104	ng	97
83) Chrysene	21.461	228	44744	5.884	ng	96
87) Indeno(1,2,3-cd)pyrene	27.759	276	28842	2.775	ng	# 77
88) Benzo(b)fluoranthene	23.464	252	62856	7.398	ng	# 95
89) Benzo(k)fluoranthene	23.464	252	62856	7.346	ng	# 94
90) Benzo(a)pyrene	24.263	252	44136	5.637	ng	99
92) Benzo(g,h,i)perylene	28.811	276	27772	3.438	ng	# 93

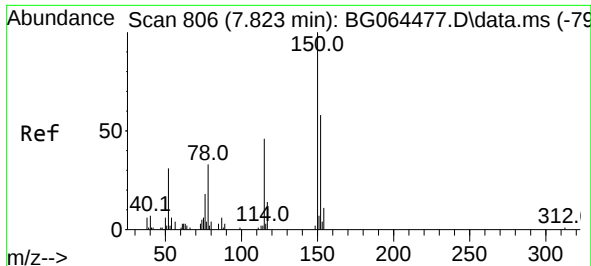
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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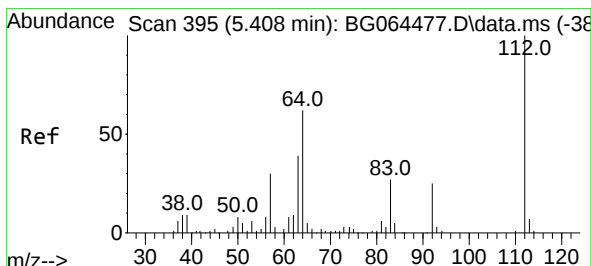
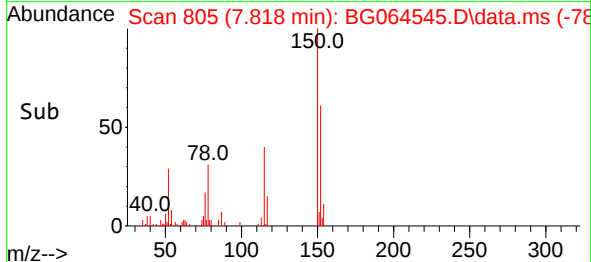
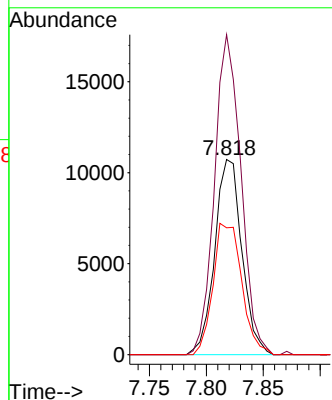
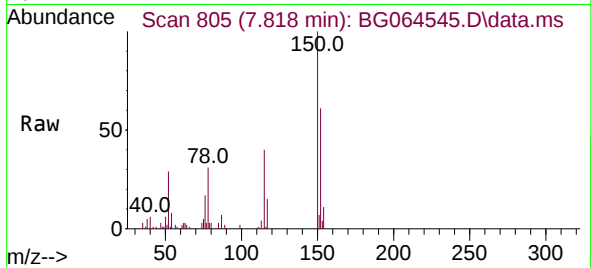




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.818 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

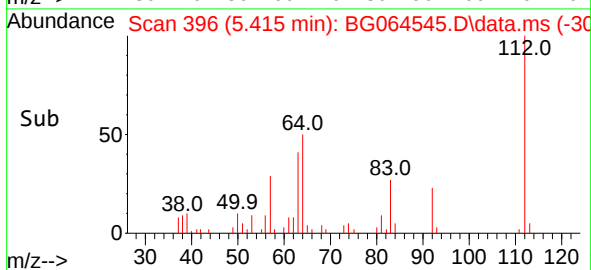
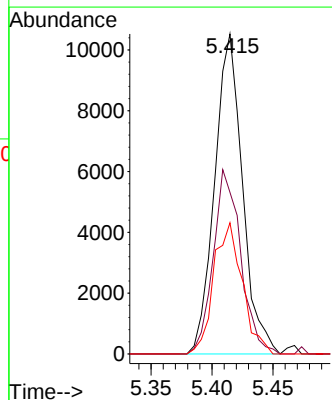
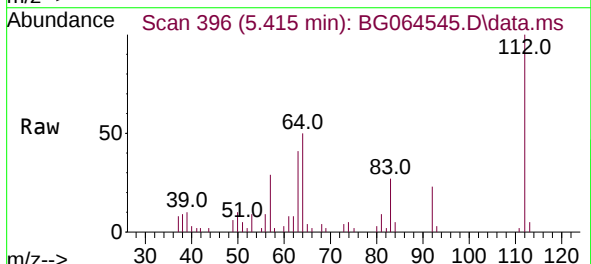
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BNA_G
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MH-22

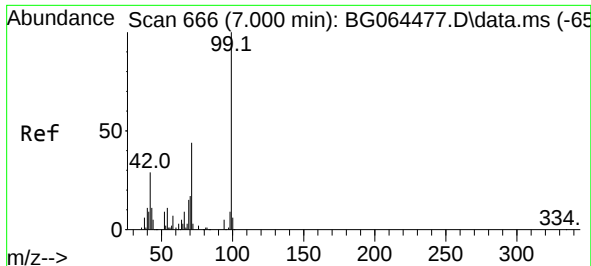
Tgt Ion:152 Resp: 17797
Ion Ratio Lower Upper
152 100
150 164.1 138.6 207.8
115 65.0 63.4 95.2



#5
2-Fluorophenol
Concen: 17.370 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:112 Resp: 16704
Ion Ratio Lower Upper
112 100
64 50.5 49.8 74.8
63 41.0 31.3 46.9

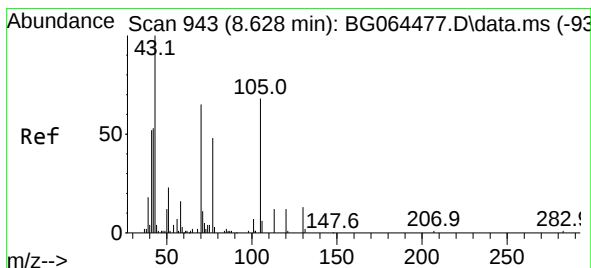
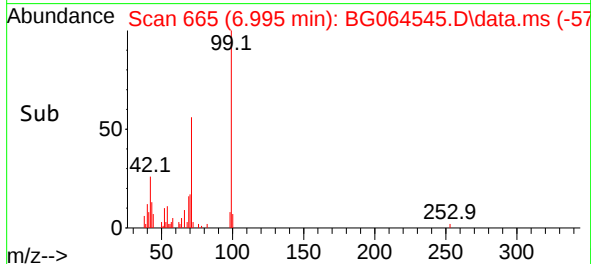
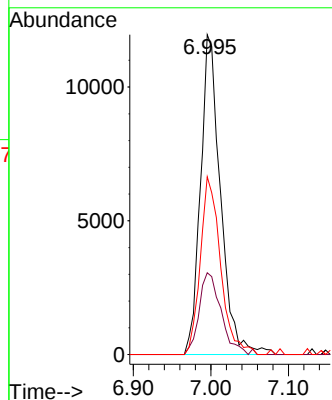
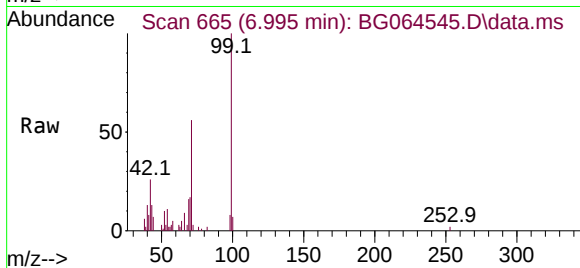




#7
Phenol-d6
Concen: 16.581 ng
RT: 6.995 min Scan# 60
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

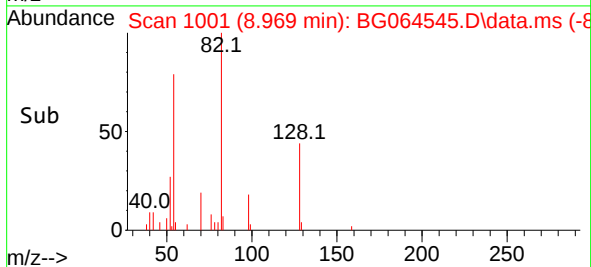
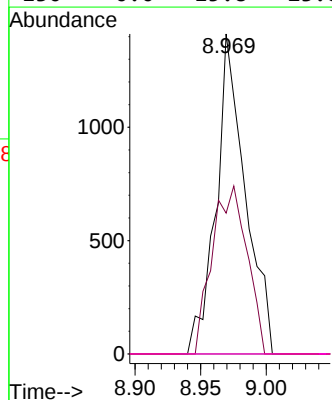
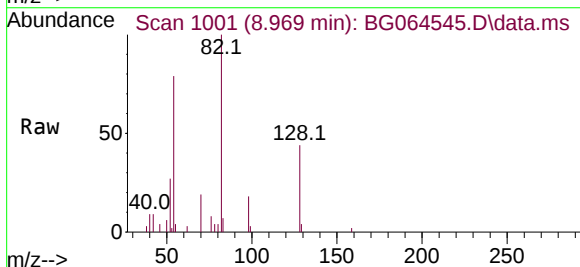
Instrument :
BNA_G
ClientSampleId :
MH-22

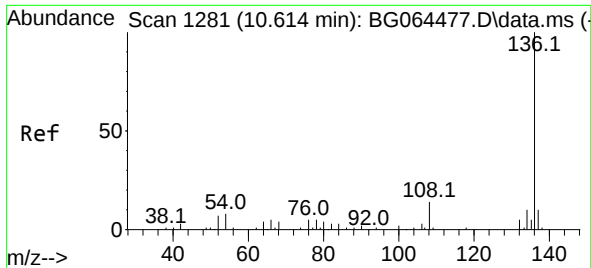
Tgt Ion: 99 Resp: 21428
Ion Ratio Lower Upper
99 100
42 25.6 22.9 34.3
71 55.6 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 2.526 ng
RT: 8.969 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion: 70 Resp: 2183
Ion Ratio Lower Upper
70 100
42 44.0 64.9 97.3#
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

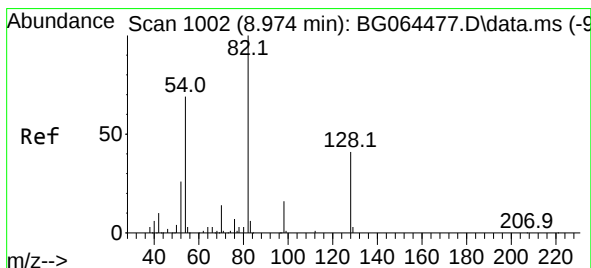
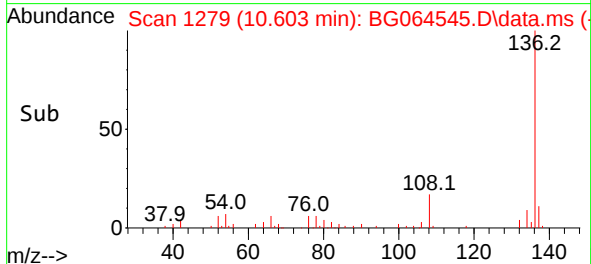
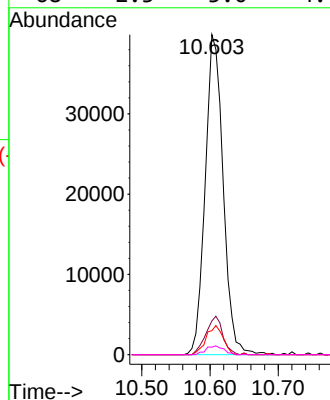
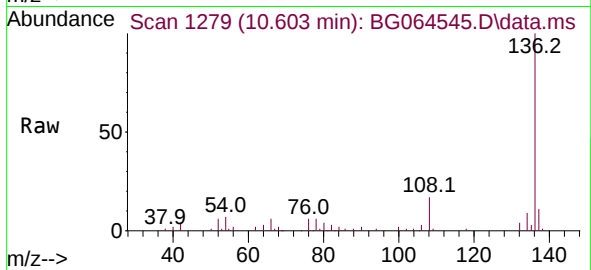




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

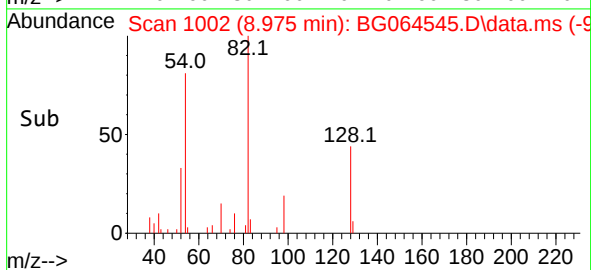
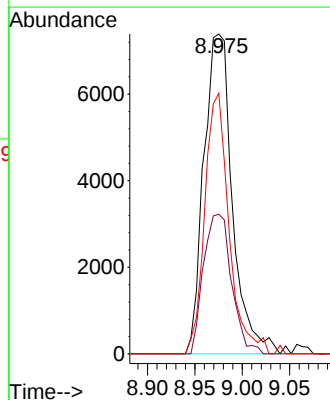
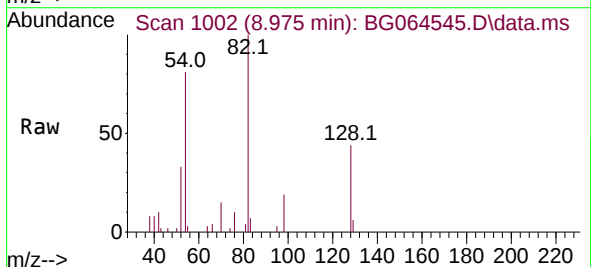
Instrument :
BNA_G
ClientSampleId :
MH-22

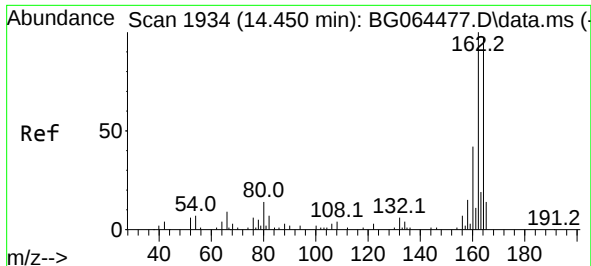
Tgt Ion:	136	Resp:	72839
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.3	12.5
54	7.5	6.2	9.4
68	2.3	3.0	4.4



#23
Nitrobenzene-d5
Concen: 11.445 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:	82	Resp:	15504
Ion Ratio	Lower	Upper	
82	100		
128	43.6	33.1	49.7
54	81.4	55.4	83.2

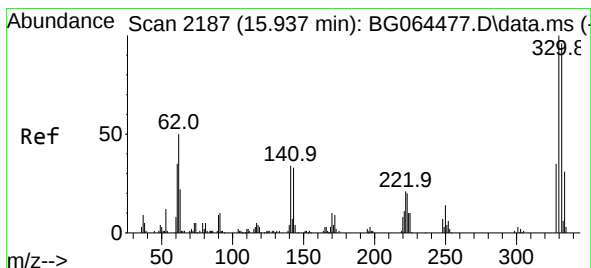
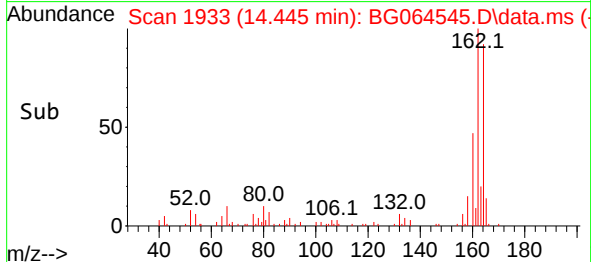
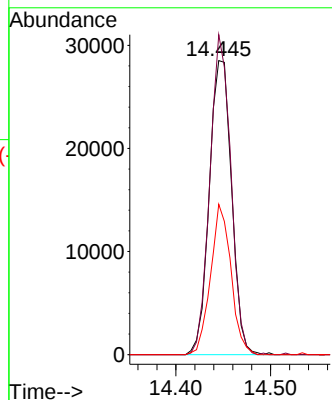
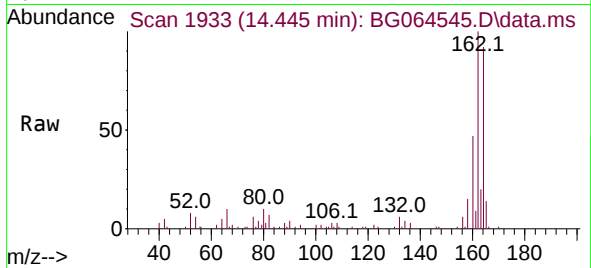




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.445 min Scan# 1933
 Delta R.T. -0.003 min
 Lab File: BG064545.D
 Acq: 17 Oct 2025 21:15

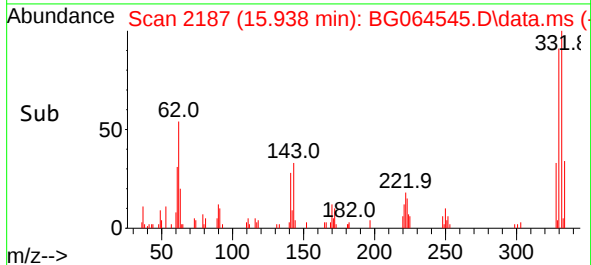
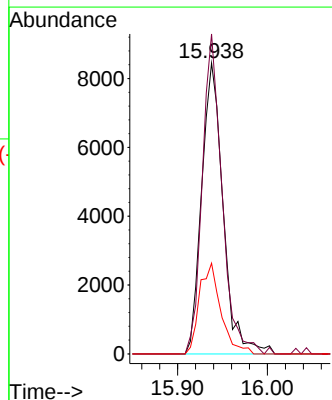
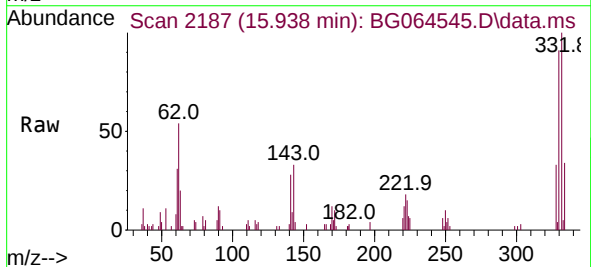
Instrument :
 BNA_G
 ClientSampleId :
 MH-22

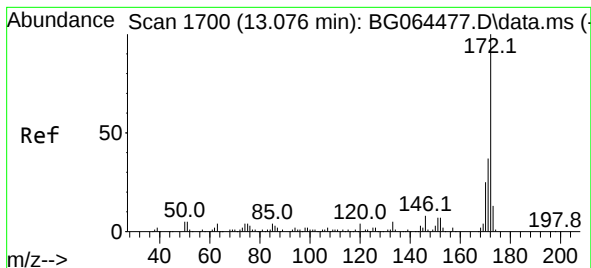
Tgt Ion:164 Resp: 46776
 Ion Ratio Lower Upper
 164 100
 162 108.8 82.2 123.2
 160 51.1 34.3 51.5



#42
 2,4,6-Tribromophenol
 Concen: 16.516 ng
 RT: 15.938 min Scan# 2187
 Delta R.T. 0.003 min
 Lab File: BG064545.D
 Acq: 17 Oct 2025 21:15

Tgt Ion:330 Resp: 14004
 Ion Ratio Lower Upper
 330 100
 332 101.2 77.4 116.0
 141 31.1 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 11.649 ng

RT: 13.070 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Instrument :

BNA_G

ClientSampleId :

MH-22

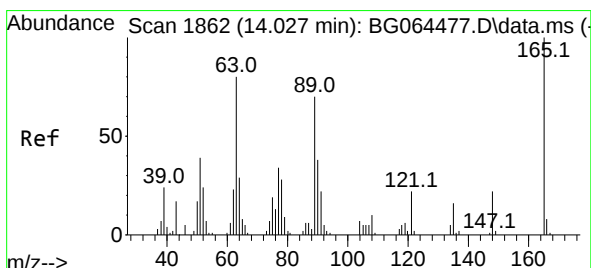
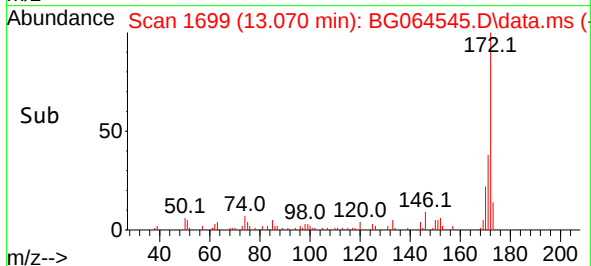
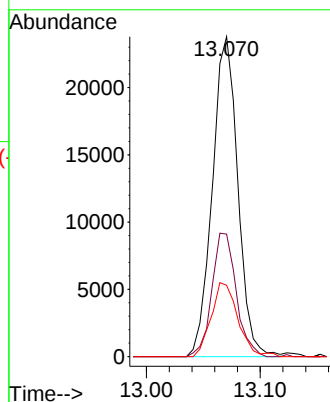
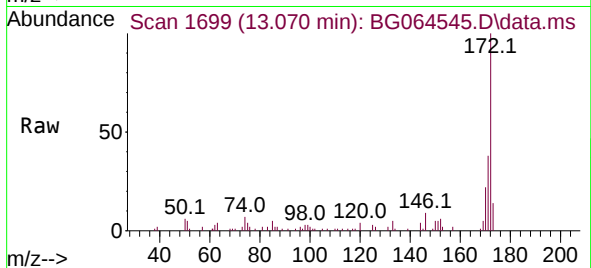
Tgt Ion:172 Resp: 36966

Ion Ratio Lower Upper

172 100

171 38.3 29.6 44.4

170 22.3 20.2 30.2



#51

2,6-Dinitrotoluene

Concen: 9.444 ng

RT: 14.451 min Scan# 1934

Delta R.T. 0.432 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

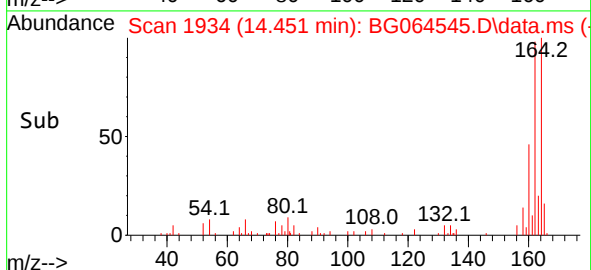
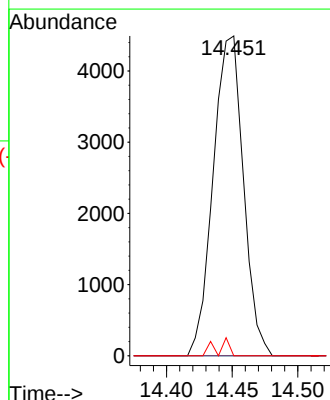
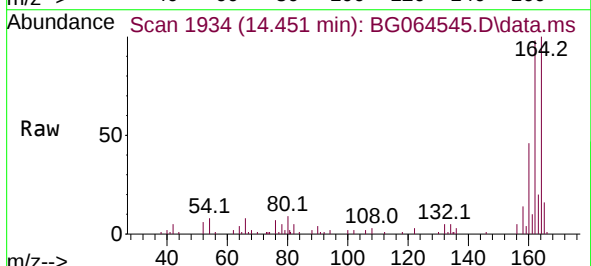
Tgt Ion:165 Resp: 7207

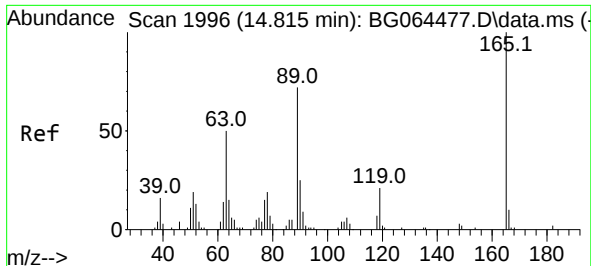
Ion Ratio Lower Upper

165 100

63 0.0 63.9 95.9#

89 0.0 56.1 84.1#

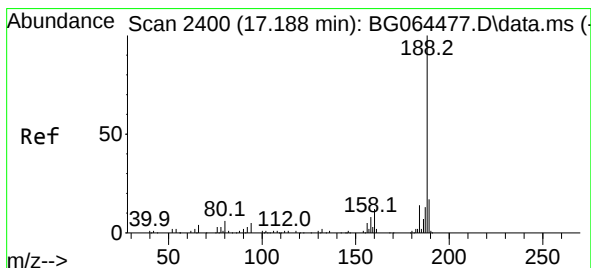
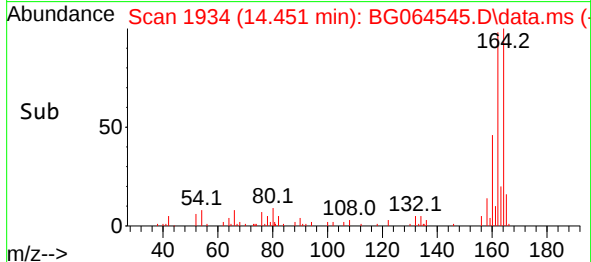
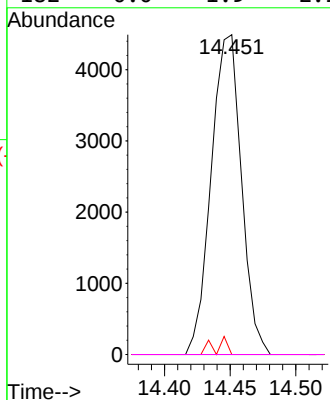
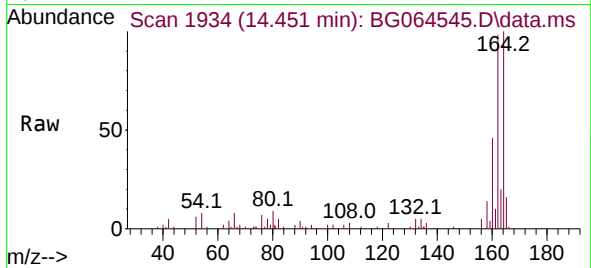




#57
2,4-Dinitrotoluene
Concen: 6.178 ng
RT: 14.451 min Scan# 1996
Delta R.T. -0.361 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

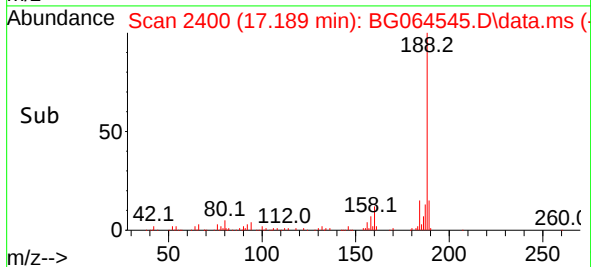
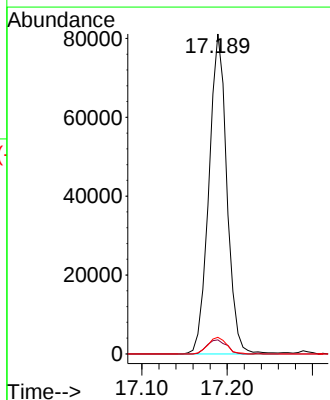
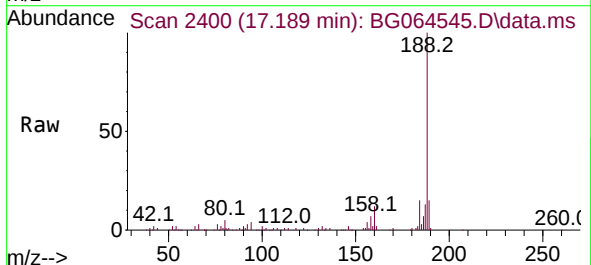
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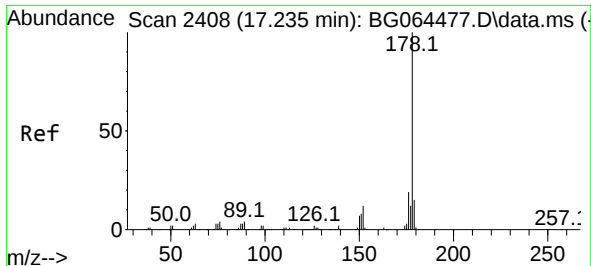
Tgt Ion:	165	Resp:	7207
Ion Ratio	Lower	Upper	
165	100		
63	0.0	40.4	60.6#
89	0.0	57.3	85.9#
182	0.0	1.9	2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:	188	Resp:	118697
Ion Ratio	Lower	Upper	
188	100		
94	4.4	3.7	5.5
80	6.1	4.5	6.7

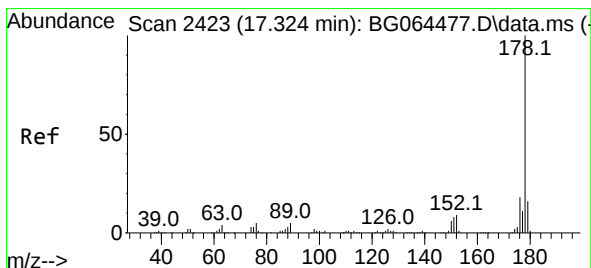
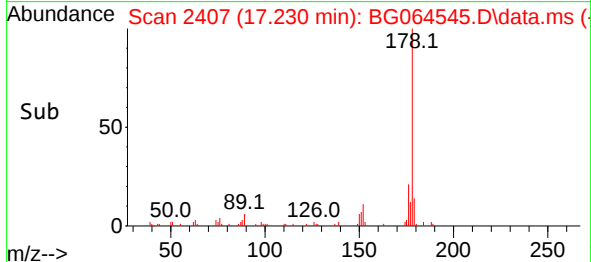
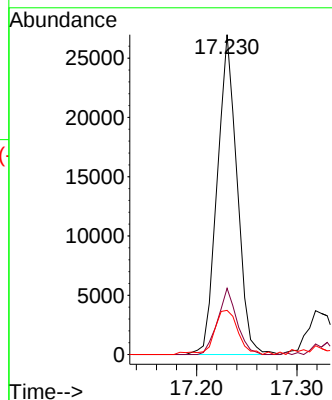
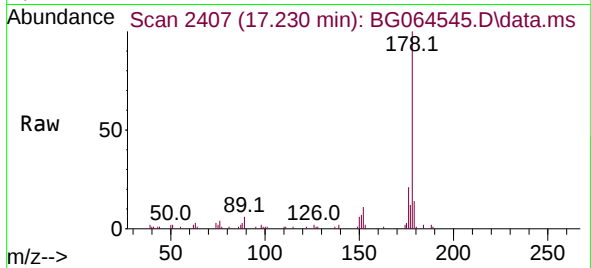




#71
Phenanthrene
Concen: 5.975 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

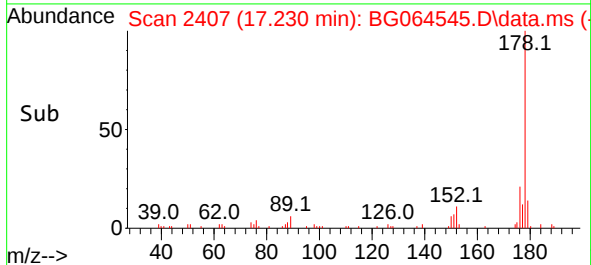
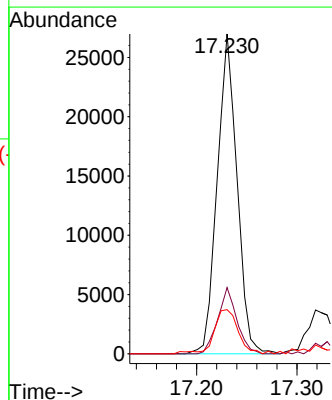
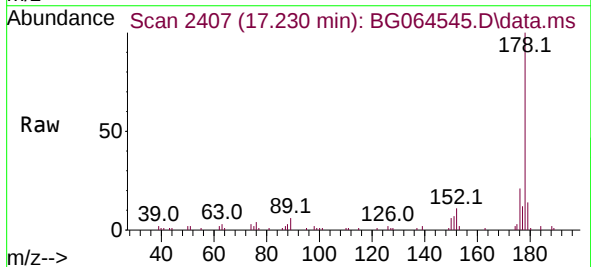
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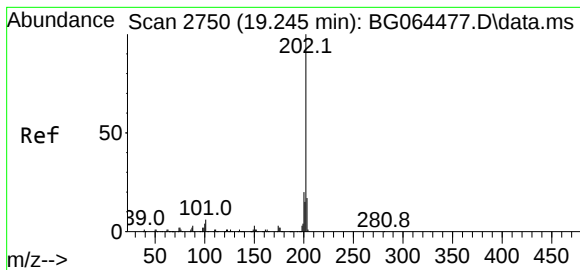
Tgt Ion:	178	Resp:	37090
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.2	22.8
179	13.8	11.8	17.6



#72
Anthracene
Concen: 5.956 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.091 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:	178	Resp:	37090
Ion Ratio	Lower	Upper	
178	100		
176	20.7	14.6	21.8
179	13.8	12.5	18.7

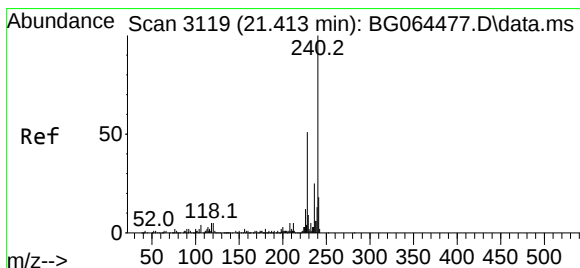
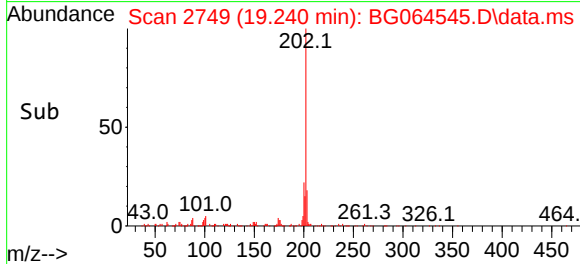
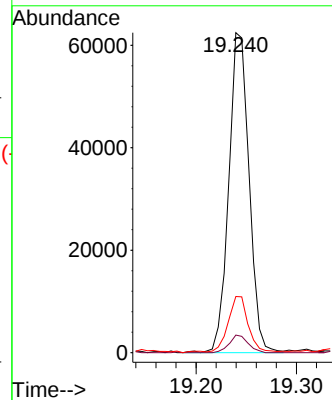
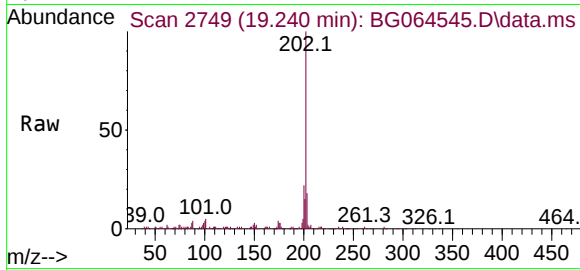




#75
Fluoranthene
Concen: 11.866 ng
RT: 19.240 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

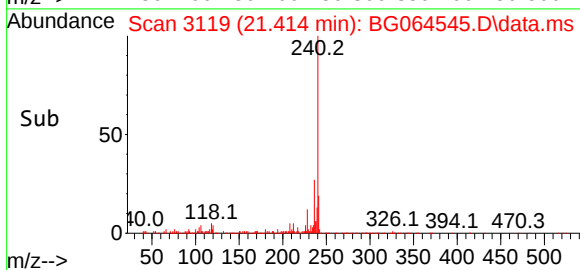
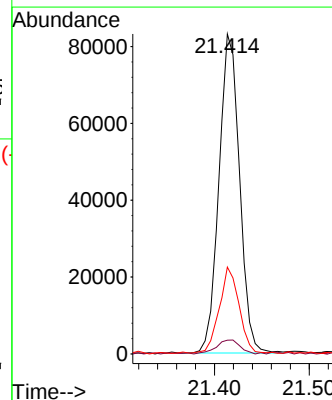
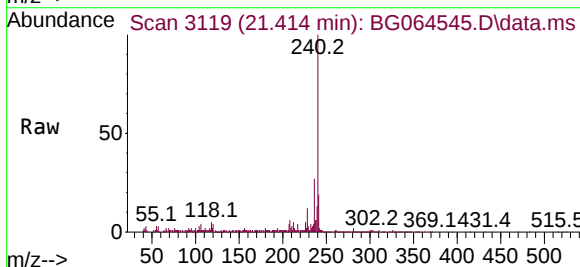
Instrument :
BNA_G
ClientSampleId :
MH-22

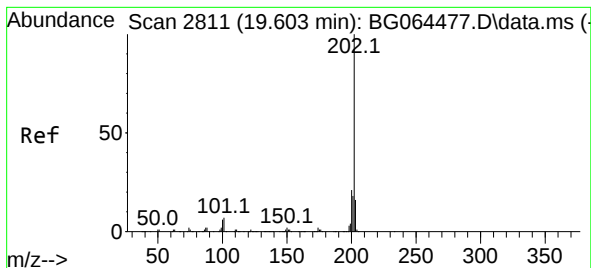
Tgt Ion:	202	Resp:	87993
Ion Ratio	Lower	Upper	
202	100		
101	5.5	0.0	25.7
203	17.5	0.0	36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.414 min Scan# 3119
Delta R.T. 0.004 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:	240	Resp:	125591
Ion Ratio	Lower	Upper	
240	100		
120	4.3	4.3	6.5#
236	27.1	20.4	30.6





#78

Pyrene

Concen: 10.070 ng

RT: 19.604 min Scan# 2811

Delta R.T. 0.003 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Instrument :

BNA_G

ClientSampleId :

MH-22

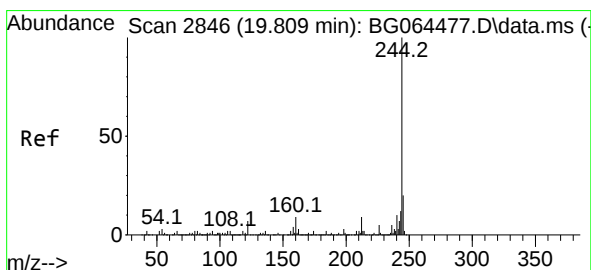
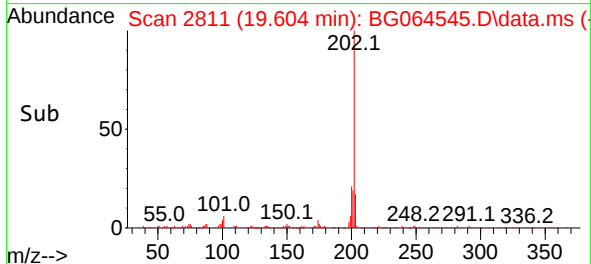
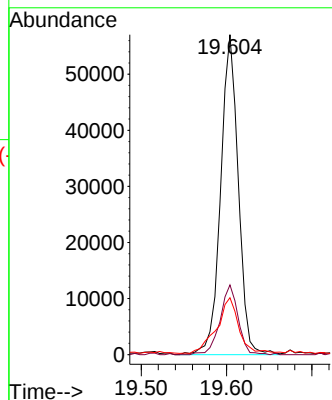
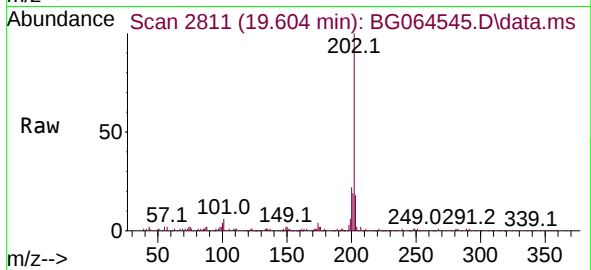
Tgt Ion:202 Resp: 82072

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.4

203 17.8 13.0 19.4



#79

Terphenyl-d14

Concen: 11.186 ng

RT: 19.804 min Scan# 2845

Delta R.T. -0.003 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

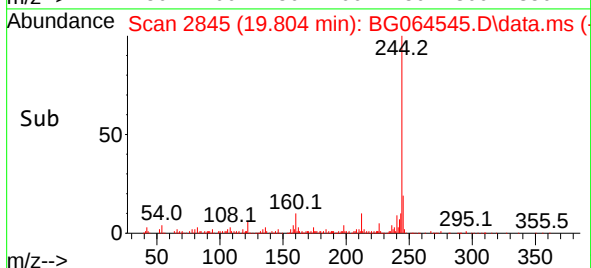
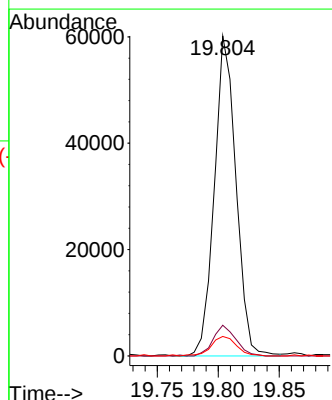
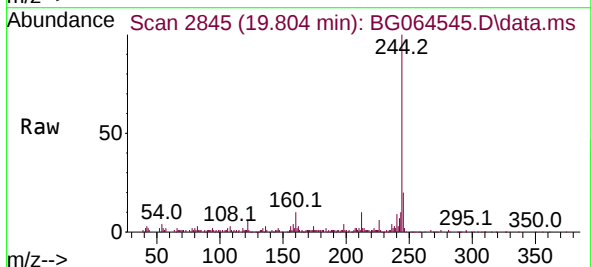
Tgt Ion:244 Resp: 74236

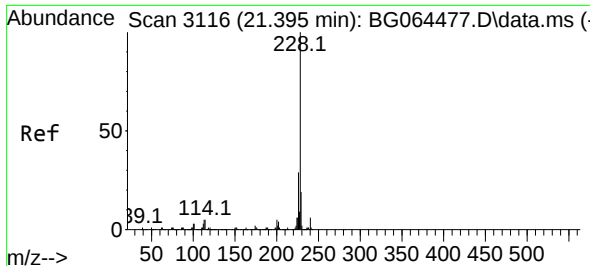
Ion Ratio Lower Upper

244 100

212 9.6 7.0 10.6

122 6.1 5.6 8.4

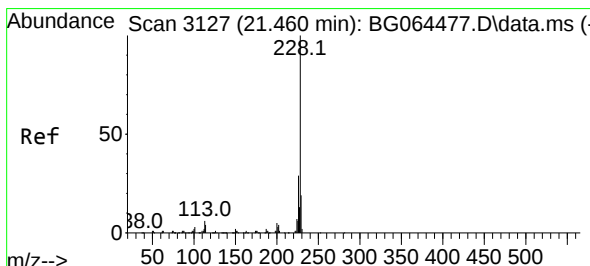
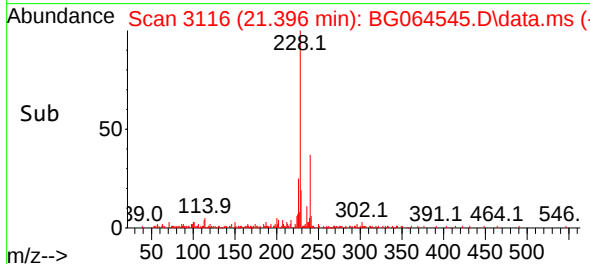
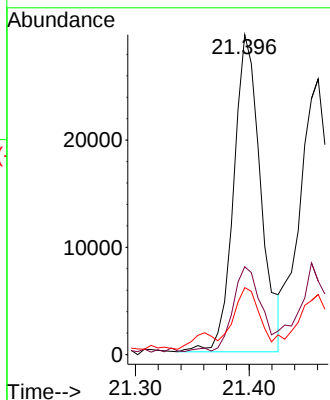
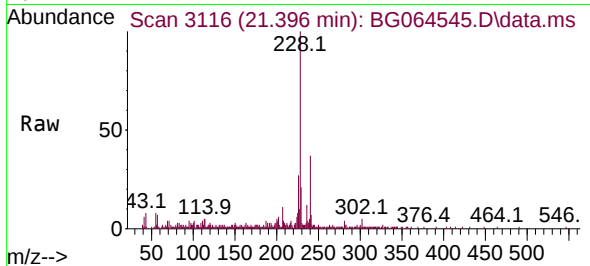




#81
Benzo(a)anthracene
Concen: 6.104 ng
RT: 21.396 min Scan# 3116
Delta R.T. 0.003 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

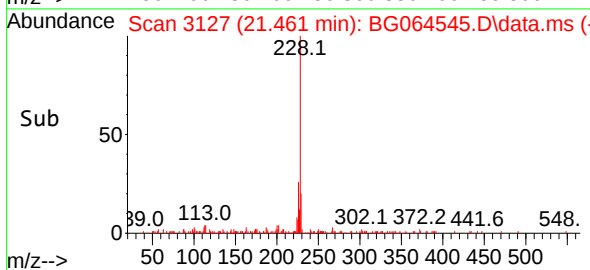
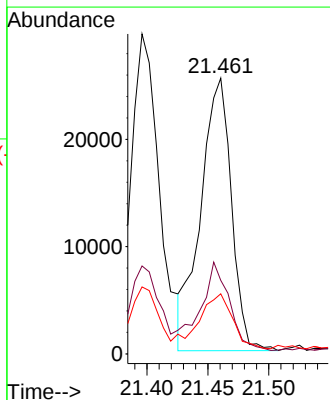
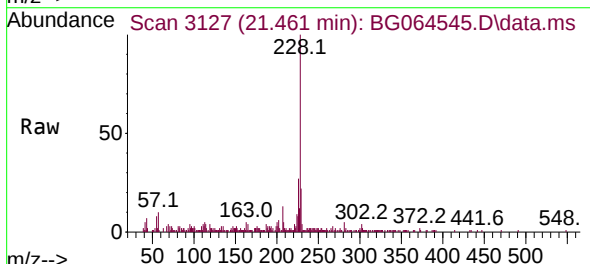
Instrument :
BNA_G
ClientSampleId :
MH-22

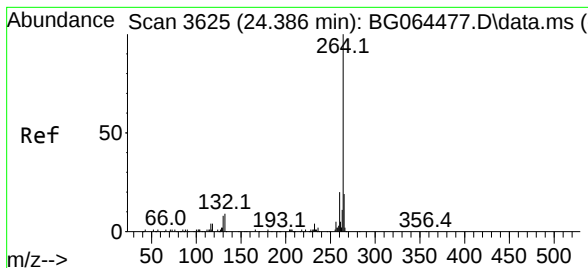
Tgt Ion:228 Resp: 48945
Ion Ratio Lower Upper
228 100
226 27.5 22.8 34.2
229 20.9 15.2 22.8



#83
Chrysene
Concen: 5.884 ng
RT: 21.461 min Scan# 3127
Delta R.T. 0.009 min
Lab File: BG064545.D
Acq: 17 Oct 2025 21:15

Tgt Ion:228 Resp: 44744
Ion Ratio Lower Upper
228 100
226 26.7 22.8 34.2
229 21.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.404 min Scan# 3628

Delta R.T. 0.015 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Instrument :

BNA_G

ClientSampleId :

MH-22

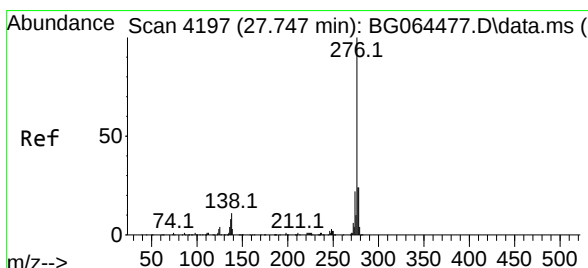
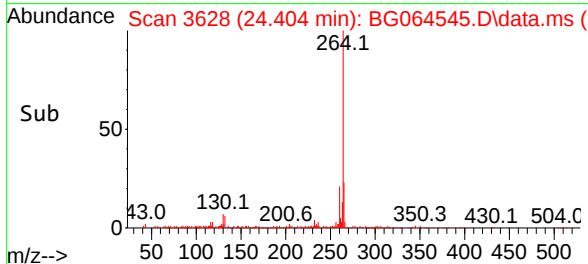
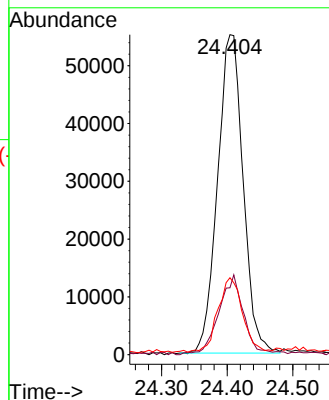
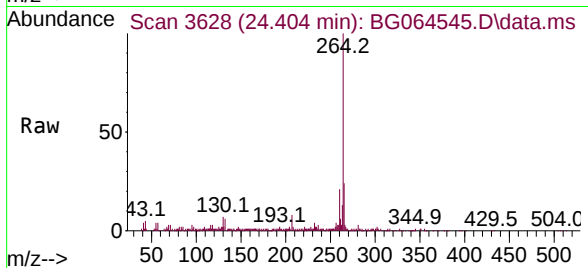
Tgt Ion:264 Resp: 149341

Ion Ratio Lower Upper

264 100

260 20.9 16.2 24.4

265 24.0 15.0 22.4#



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.775 ng

RT: 27.759 min Scan# 4199

Delta R.T. 0.027 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

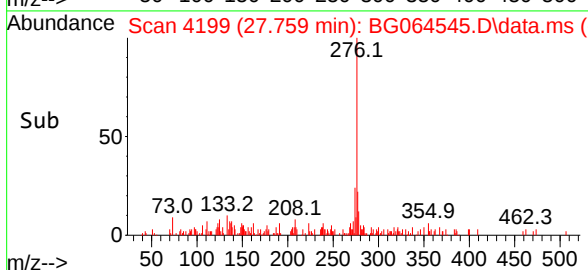
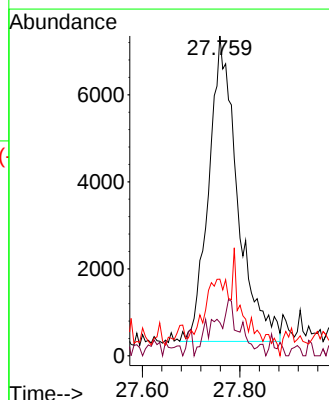
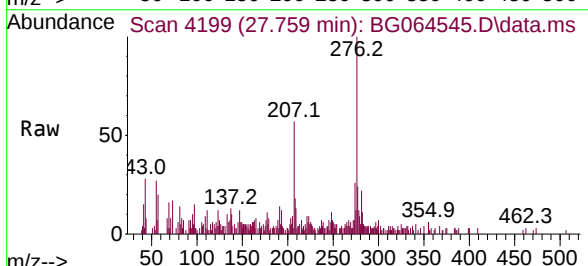
Tgt Ion:276 Resp: 28842

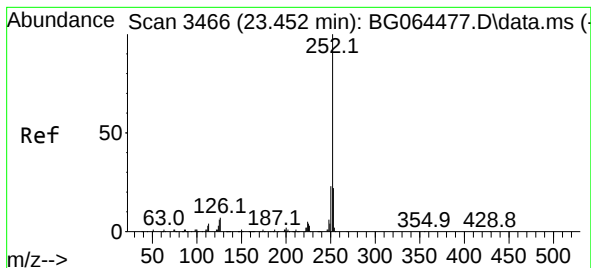
Ion Ratio Lower Upper

276 100

138 2.2 10.8 16.2#

277 15.3 20.3 30.5#





#88

Benzo(b)fluoranthene

Concen: 7.398 ng

RT: 23.464 min Scan# 3466

Delta R.T. 0.015 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Instrument :

BNA_G

ClientSampleId :

MH-22

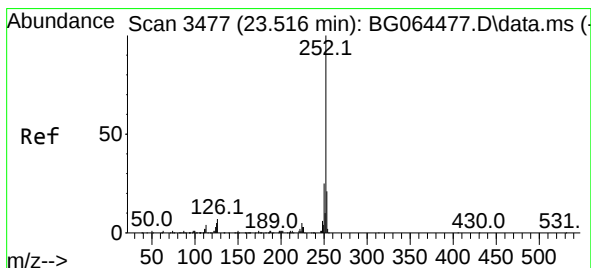
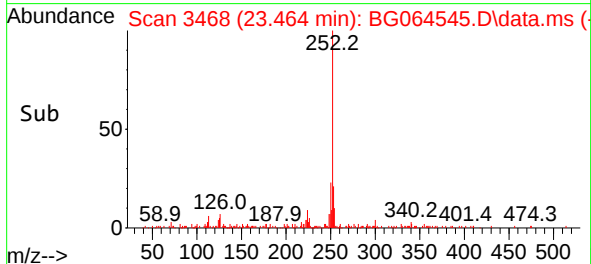
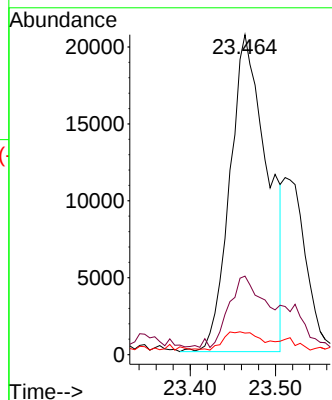
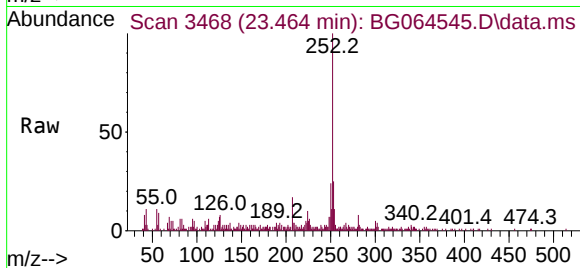
Tgt Ion:252 Resp: 62856

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 6.7 4.5 6.7#



#89

Benzo(k)fluoranthene

Concen: 7.346 ng

RT: 23.464 min Scan# 3468

Delta R.T. -0.044 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

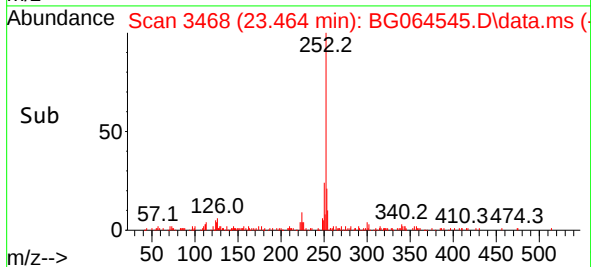
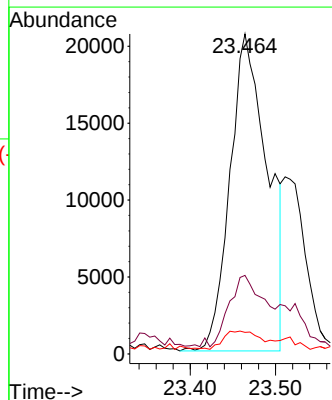
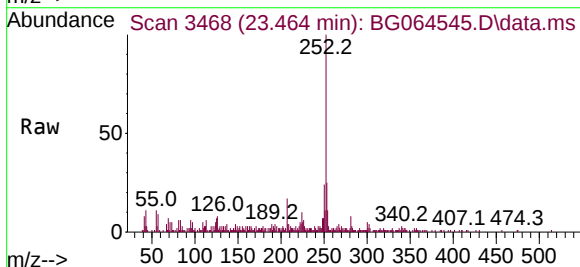
Tgt Ion:252 Resp: 62856

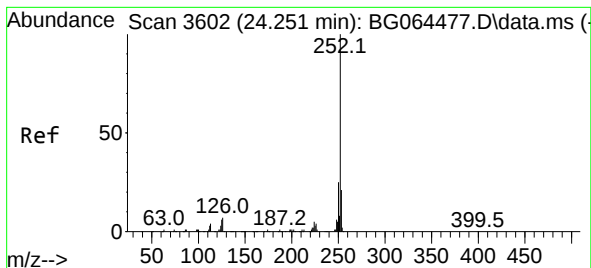
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.2

125 6.7 4.0 6.0#





#90

Benzo(a)pyrene

Concen: 5.637 ng

RT: 24.263 min Scan# 3604

Delta R.T. 0.015 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

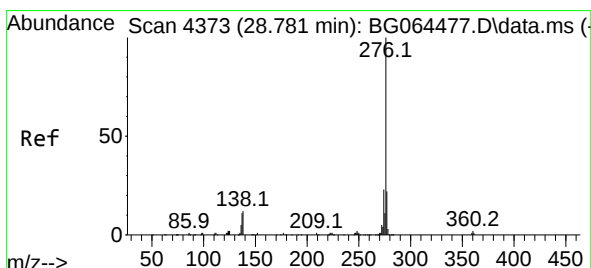
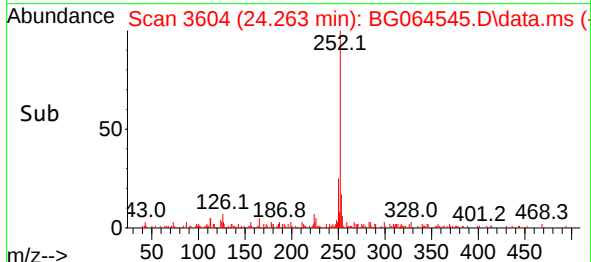
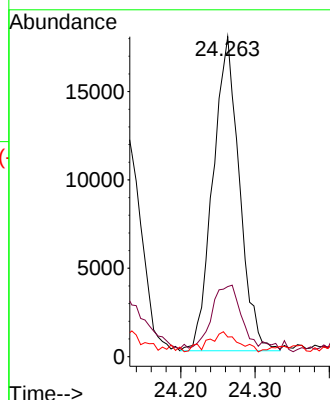
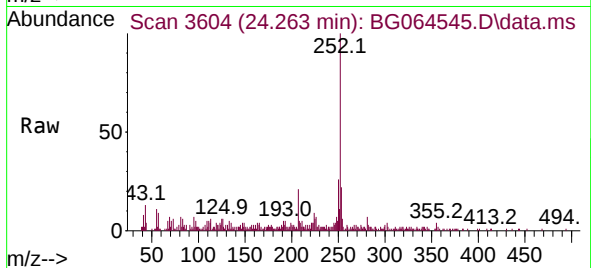
Instrument :

BNA_G

ClientSampleId :

MH-22

Tgt Ion:	252	Resp:	44136
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.1	25.7
125	6.1	4.6	6.8



#92

Benzo(g,h,i)perylene

Concen: 3.438 ng

RT: 28.811 min Scan# 4378

Delta R.T. 0.044 min

Lab File: BG064545.D

Acq: 17 Oct 2025 21:15

Tgt Ion:	276	Resp:	27772
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.8	26.6
138	16.0	9.4	14.0

