

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102025\
 Data File : BG064552.D
 Acq On : 20 Oct 2025 16:43
 Operator : RC/JU
 Sample : Q3386-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 237

Quant Time: Oct 20 17:18:45 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)

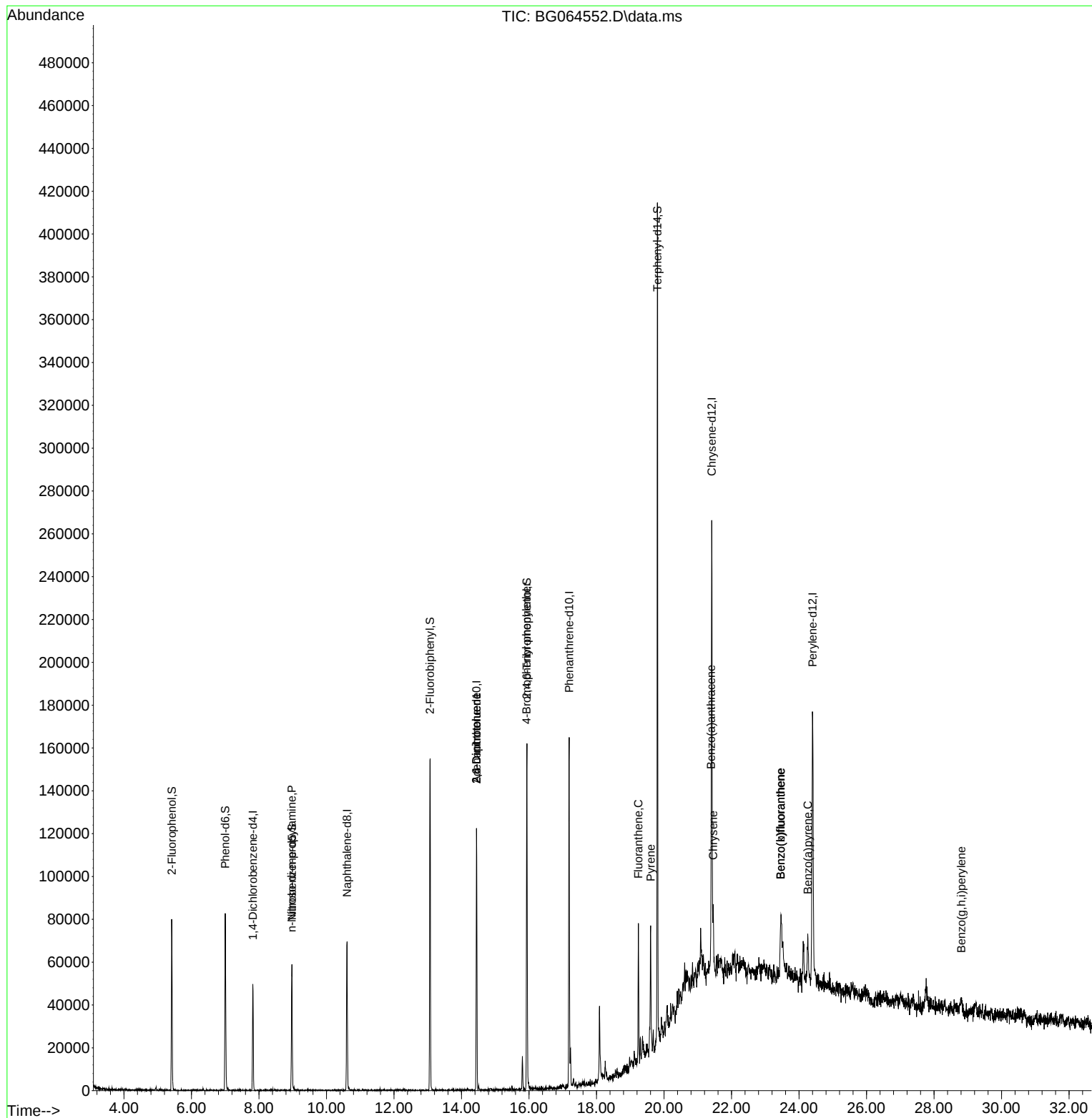
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.818	152	12430	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	58819	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	42222	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	100895	20.000	ng	0.00
76) Chrysene-d12	21.414	240	109819	20.000	ng	0.00
86) Perylene-d12	24.399	264	125470	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	29256	43.559	ng	0.00
7) Phenol-d6	7.001	99	36939	40.926	ng	0.02
23) Nitrobenzene-d5	8.976	82	31720	28.997	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	35571	46.478	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	80415	28.073	ng	0.00
79) Terphenyl-d14	19.804	244	175451	30.235	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.970	70	4808	7.965	ng	# 55
51) 2,6-Dinitrotoluene	14.446	165	5830	8.463	ng	# 12
57) 2,4-Dinitrotoluene	14.446	165	5830	5.536	ng	# 21
67) 4-Bromophenyl-phenylether	15.932	248	2432	2.048	ng	# 1
75) Fluoranthene	19.240	202	38482	6.105	ng	96
78) Pyrene	19.604	202	36011	5.053	ng	97
81) Benzo(a)anthracene	21.396	228	20623	2.941	ng	# 89
83) Chrysene	21.455	228	21786	3.276	ng	# 92
88) Benzo(b)fluoranthene	23.459	252	31053	4.350	ng	# 97
89) Benzo(k)fluoranthene	23.459	252	31053	4.319	ng	# 97
90) Benzo(a)pyrene	24.264	252	19610	2.981	ng	# 93
92) Benzo(g,h,i)perylene	28.805	276	14473	2.132	ng	# 81

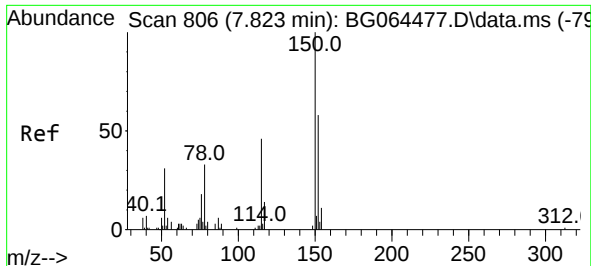
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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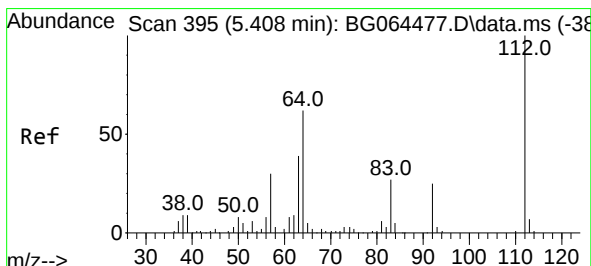
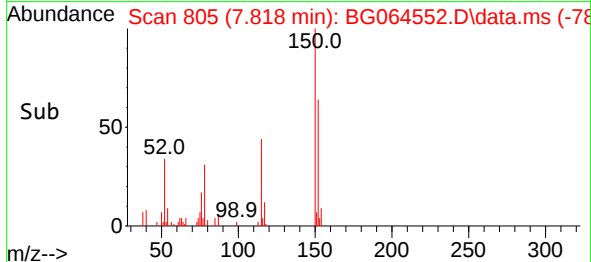
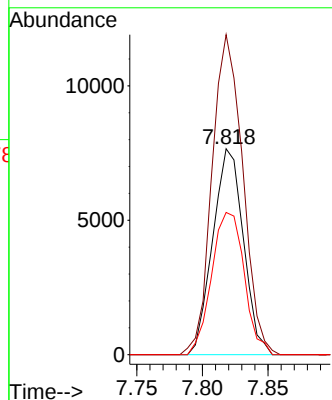
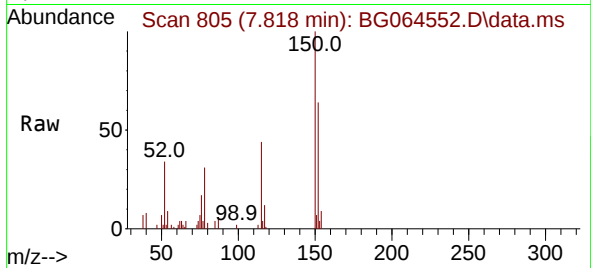




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.818 min Scan# 806
 Delta R.T. -0.002 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

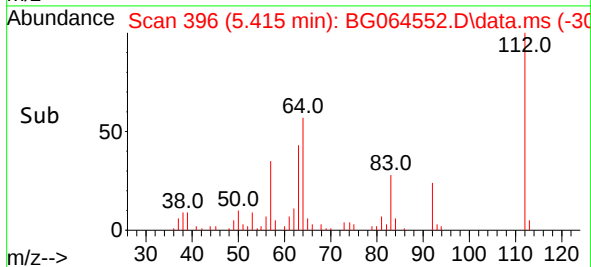
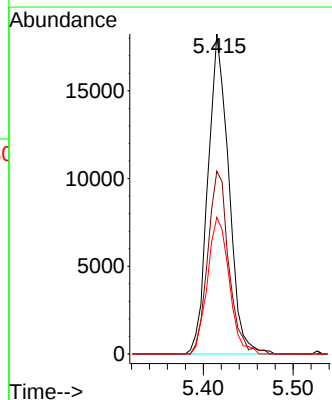
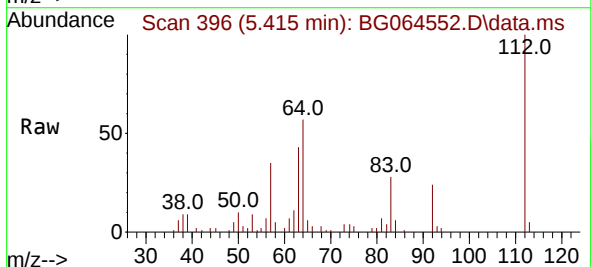
Instrument :
 BNA_G
 ClientSampleId :
 237

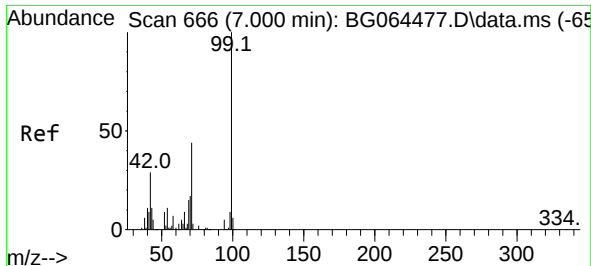
Tgt Ion:152 Resp: 12430
 Ion Ratio Lower Upper
 152 100
 150 155.4 138.6 207.8
 115 69.1 63.4 95.2



#5
 2-Fluorophenol
 Concen: 43.559 ng
 RT: 5.415 min Scan# 396
 Delta R.T. 0.009 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

Tgt Ion:112 Resp: 29256
 Ion Ratio Lower Upper
 112 100
 64 57.1 49.8 74.8
 63 42.7 31.3 46.9

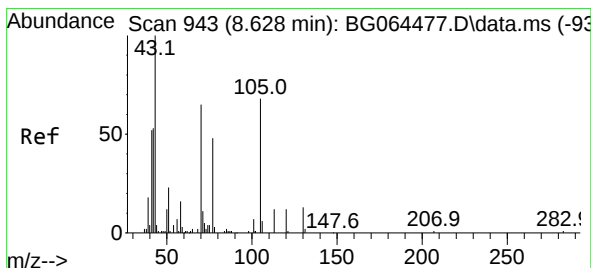
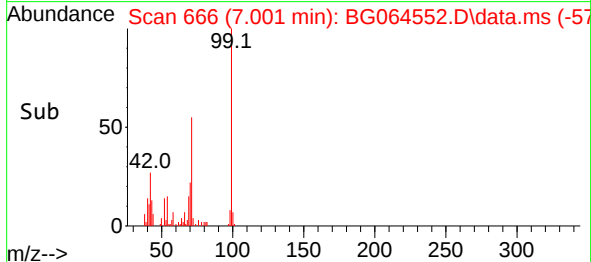
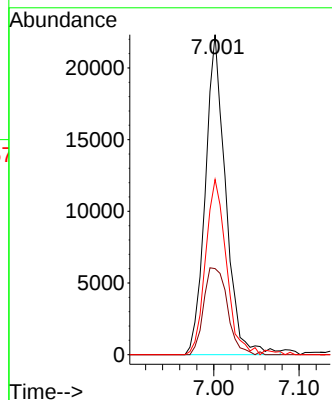
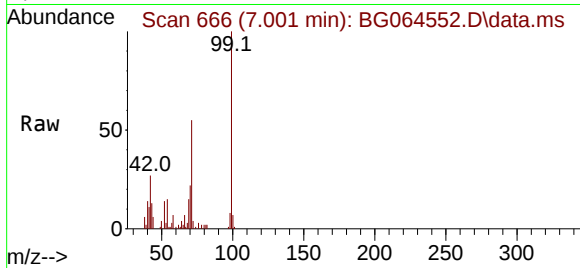




#7
Phenol-d6
Concen: 40.926 ng
RT: 7.001 min Scan# 60
Delta R.T. 0.015 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

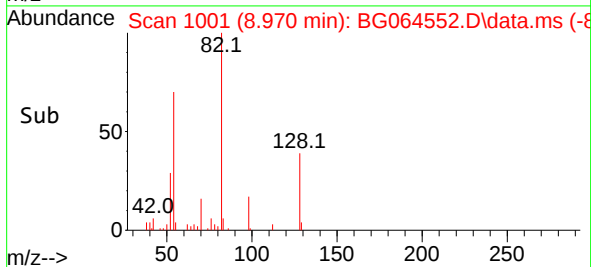
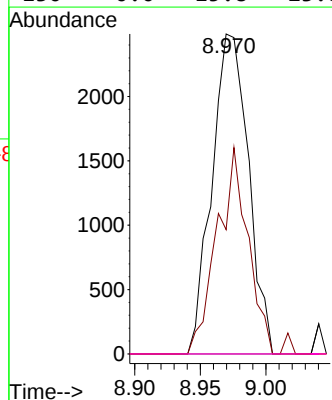
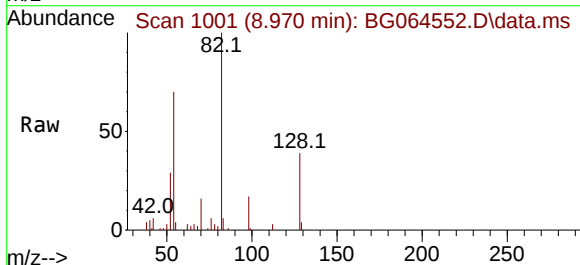
Instrument :
BNA_G
ClientSampleId :
237

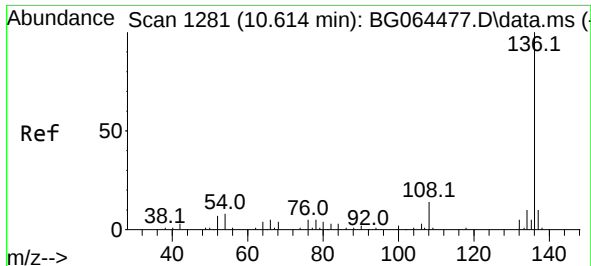
Tgt Ion: 99 Resp: 36939
Ion Ratio Lower Upper
99 100
42 26.9 22.9 34.3
71 54.7 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 7.965 ng
RT: 8.970 min Scan# 1001
Delta R.T. 0.356 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion: 70 Resp: 4808
Ion Ratio Lower Upper
70 100
42 38.8 64.9 97.3#
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

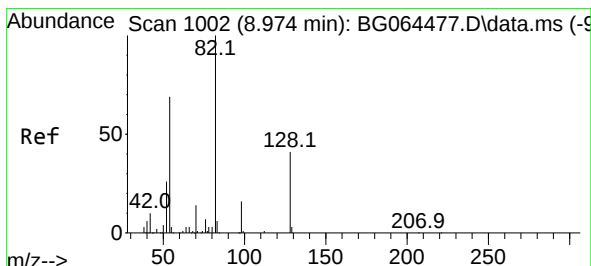
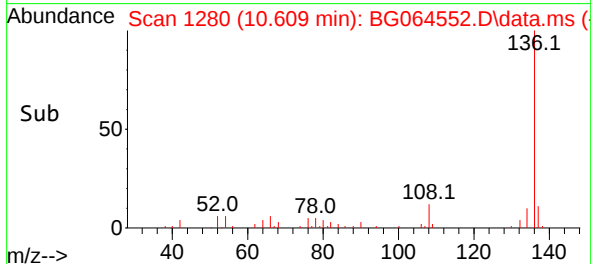
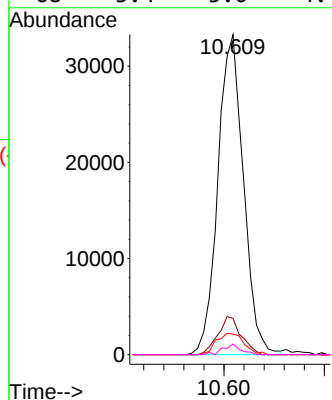
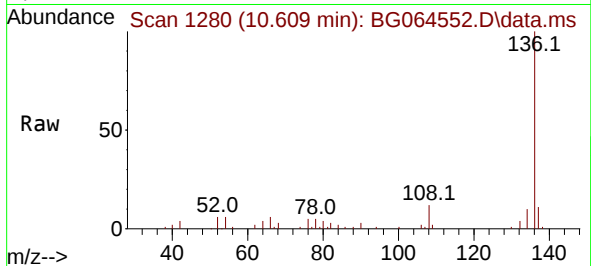




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

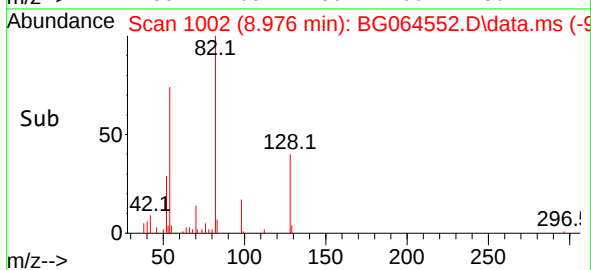
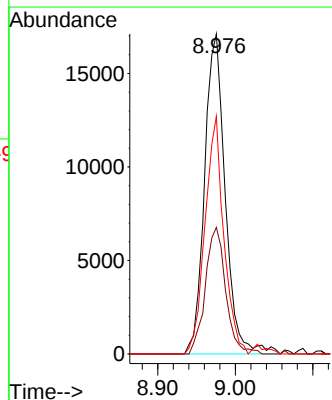
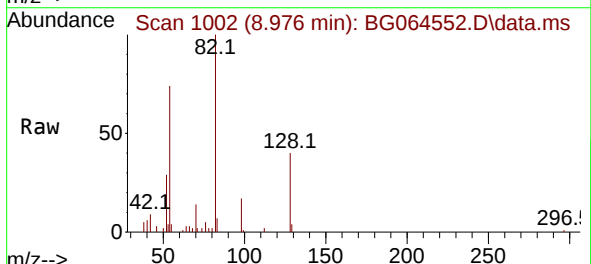
Instrument :
BNA_G
ClientSampleId :
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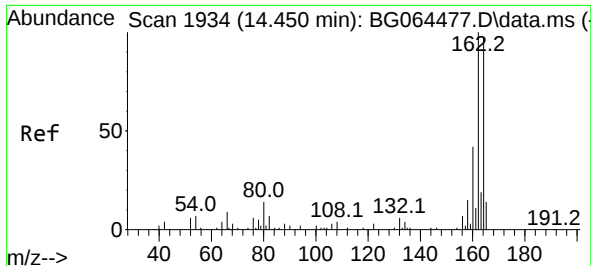
Tgt Ion:	136	Resp:	58819
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.3	12.5
54	6.4	6.2	9.4
68	3.4	3.0	4.4



#23
Nitrobenzene-d5
Concen: 28.997 ng
RT: 8.976 min Scan# 1002
Delta R.T. 0.009 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:	82	Resp:	31720
Ion	Ratio	Lower	Upper
82	100		
128	39.5	33.1	49.7
54	74.3	55.4	83.2

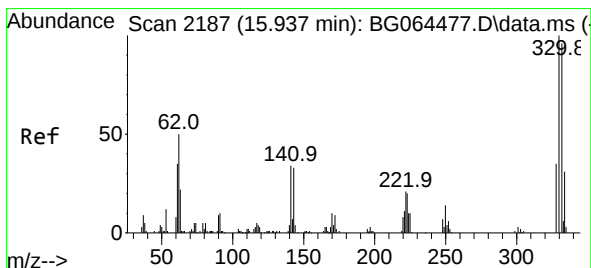
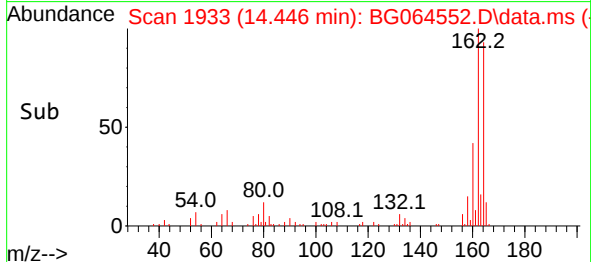
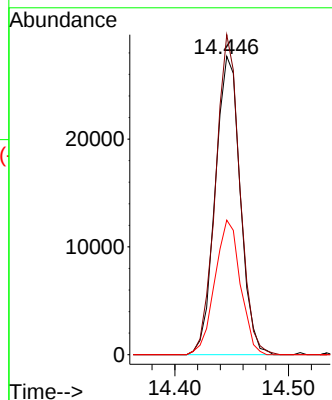
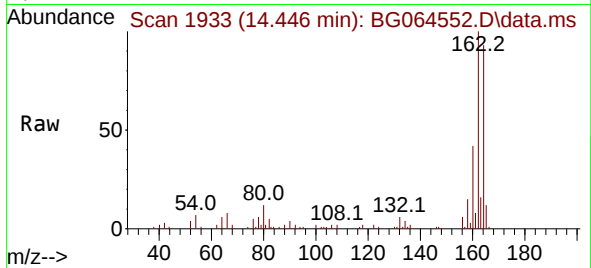




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

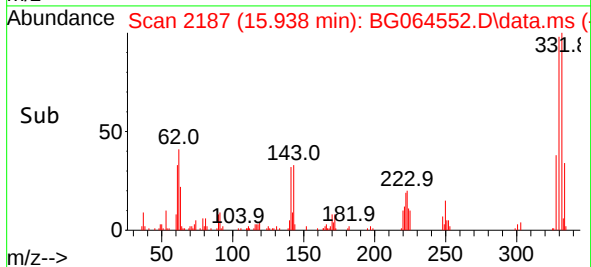
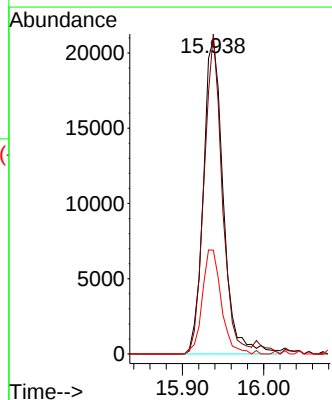
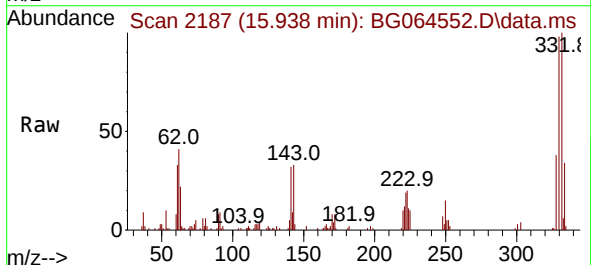
Instrument :
BNA_G
ClientSampleId :
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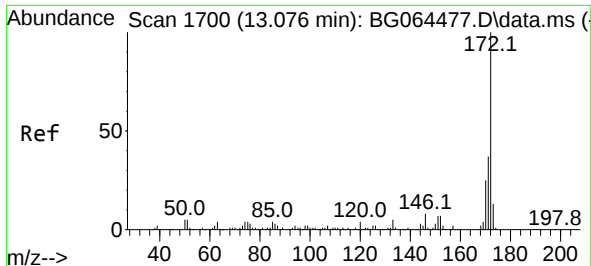
Tgt Ion:164 Resp: 42222
Ion Ratio Lower Upper
164 100
162 107.2 82.2 123.2
160 45.1 34.3 51.5



#42
2,4,6-Tribromophenol
Concen: 46.478 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:330 Resp: 35571
Ion Ratio Lower Upper
330 100
332 91.9 77.4 116.0
141 31.7 25.8 38.6

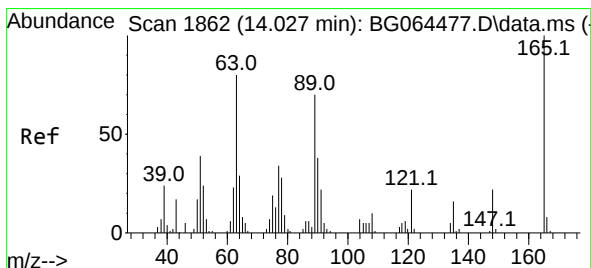
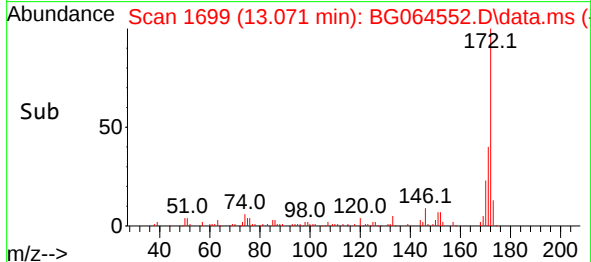
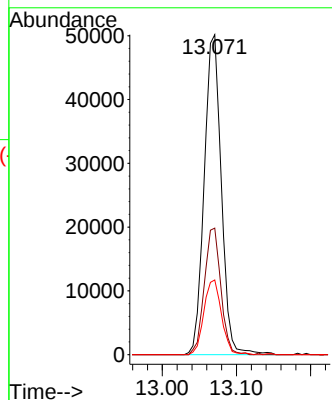
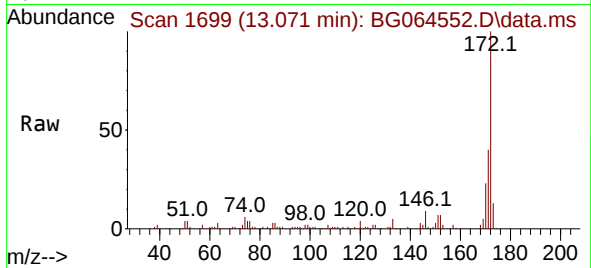




#45
2-Fluorobiphenyl
Concen: 28.073 ng
RT: 13.071 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

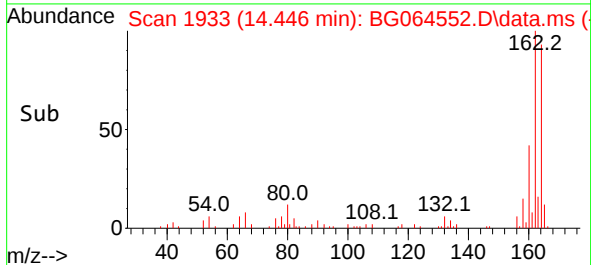
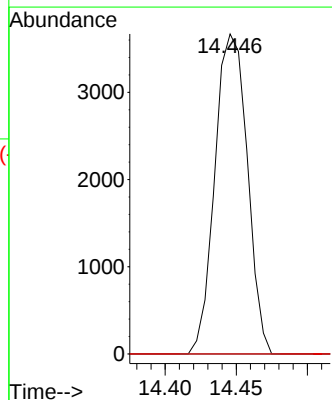
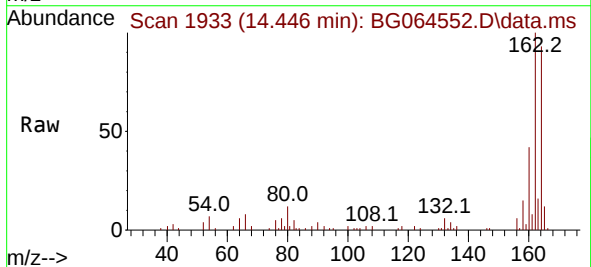
Instrument :
BNA_G
ClientSampleId :
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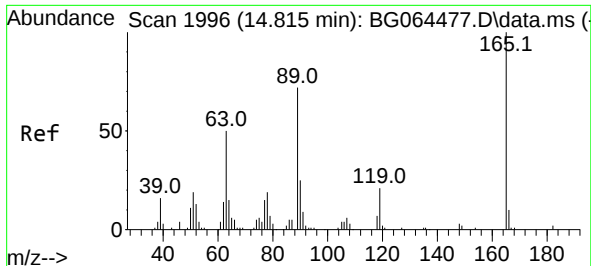
Tgt Ion:172 Resp: 80415
Ion Ratio Lower Upper
172 100
171 39.5 29.6 44.4
170 23.3 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.463 ng
RT: 14.446 min Scan# 1933
Delta R.T. 0.427 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:165 Resp: 5830
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 56.1 84.1#

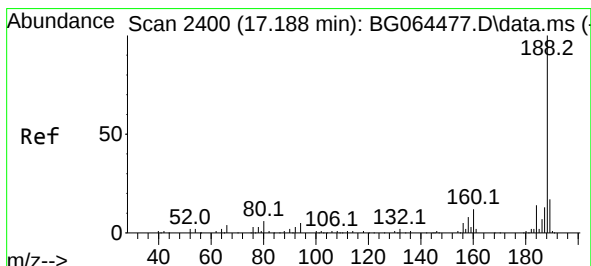
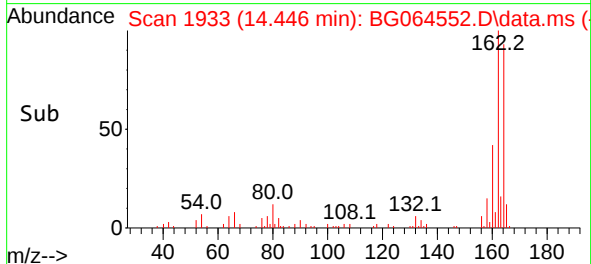
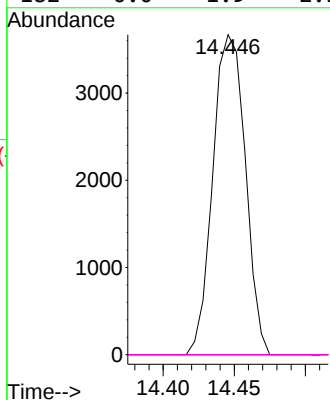
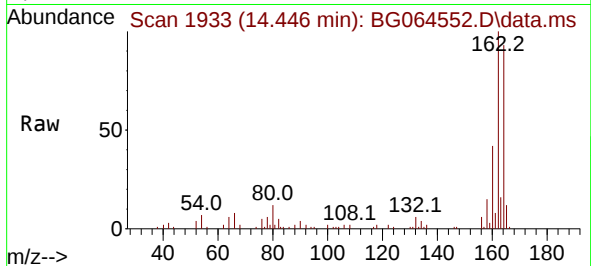




#57
2,4-Dinitrotoluene
Concen: 5.536 ng
RT: 14.446 min Scan# 1996
Delta R.T. -0.367 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

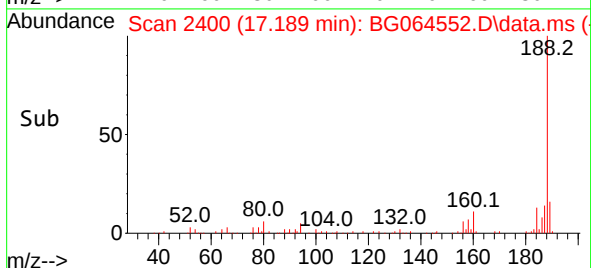
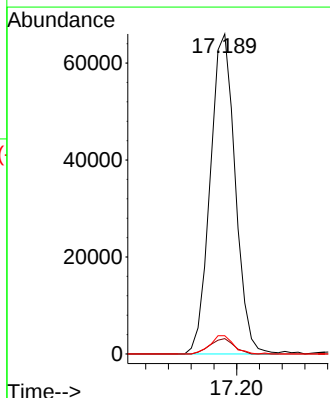
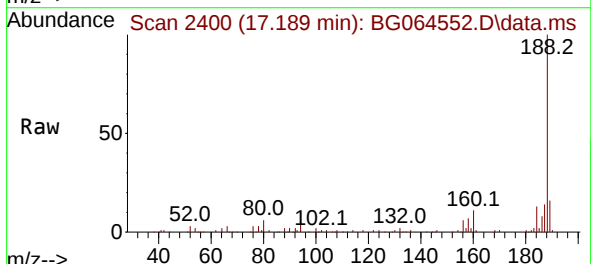
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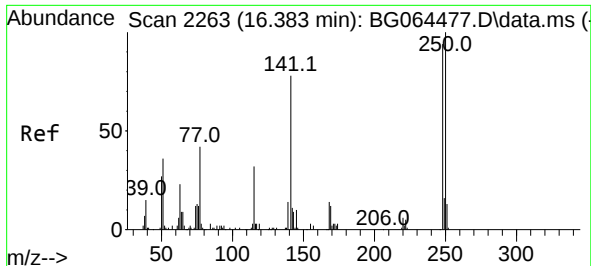
Tgt Ion:	165	Resp:	5830
Ion Ratio	Lower	Upper	
165	100		
63	0.0	40.4	60.6#
89	0.0	57.3	85.9#
182	0.0	1.9	2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:	188	Resp:	100895
Ion Ratio	Lower	Upper	
188	100		
94	4.8	3.7	5.5
80	5.7	4.5	6.7





#67

4-Bromophenyl-phenylether

Concen: 2.048 ng

RT: 15.932 min Scan# 2186

Delta R.T. -0.449 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

Instrument :

BNA_G

ClientSampleId :

237

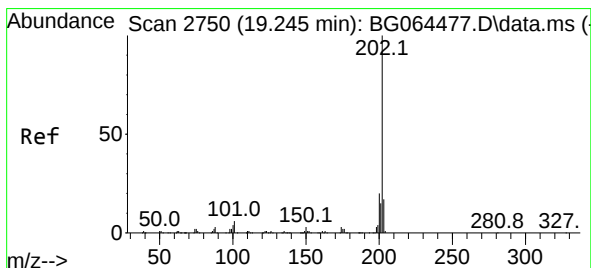
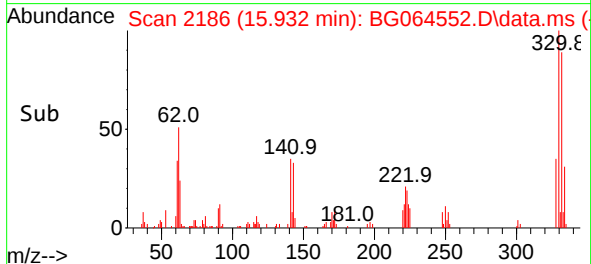
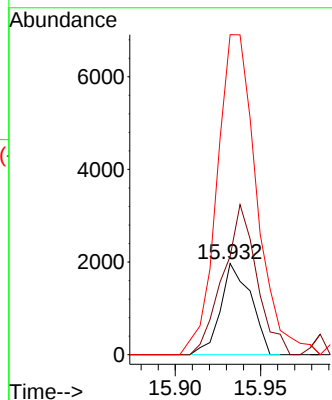
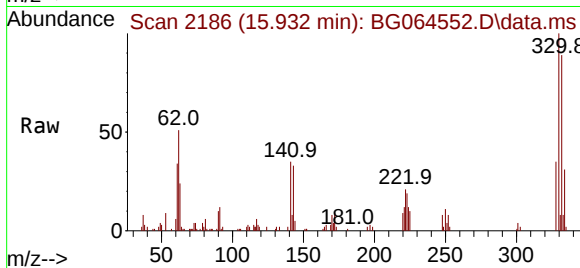
Tgt Ion:248 Resp: 2432

Ion Ratio Lower Upper

248 100

250 107.6 85.3 127.9

141 350.7 66.2 99.2#



#75

Fluoranthene

Concen: 6.105 ng

RT: 19.240 min Scan# 2749

Delta R.T. 0.003 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

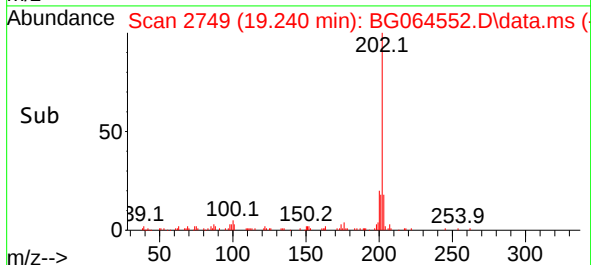
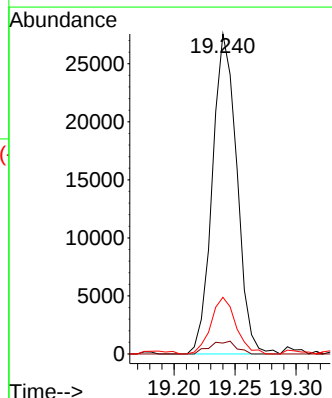
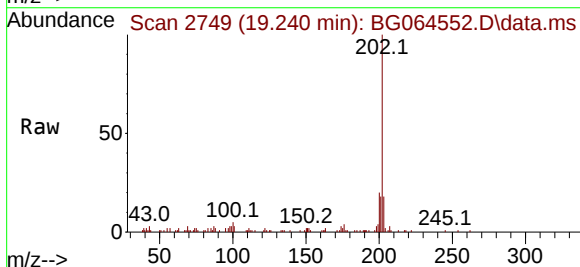
Tgt Ion:202 Resp: 38482

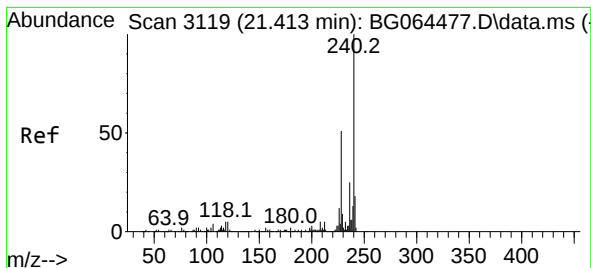
Ion Ratio Lower Upper

202 100

101 3.4 0.0 25.7

203 17.7 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: BG064552.D

Acq: 20 Oct 2025 16:43

Instrument :

BNA_G

ClientSampleId :

237

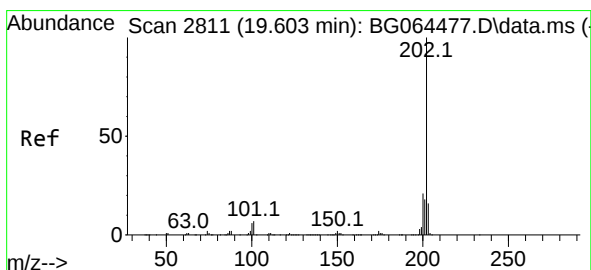
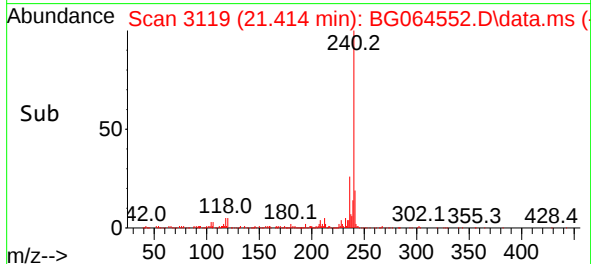
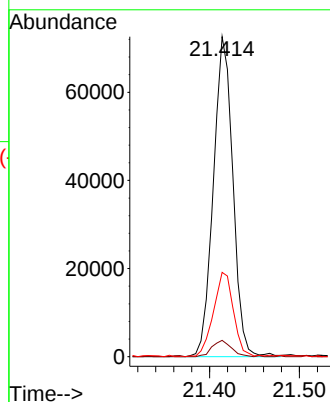
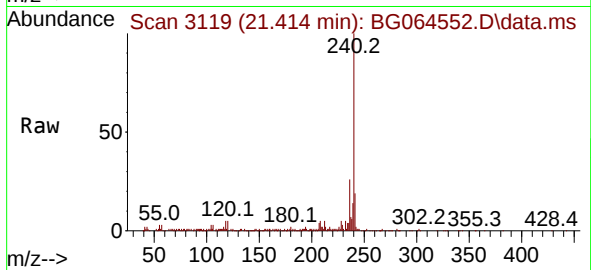
Tgt Ion:240 Resp: 109819

Ion Ratio Lower Upper

240 100

120 5.1 4.3 6.5

236 26.3 20.4 30.6



#78

Pyrene

Concen: 5.053 ng

RT: 19.604 min Scan# 2811

Delta R.T. 0.003 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

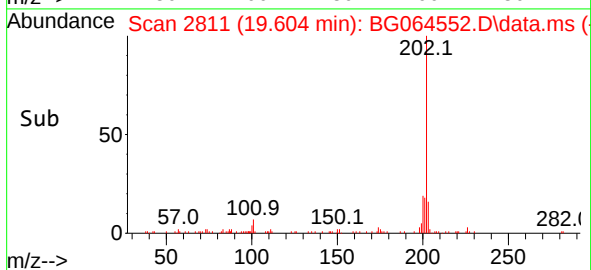
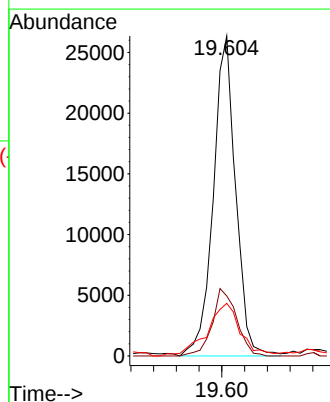
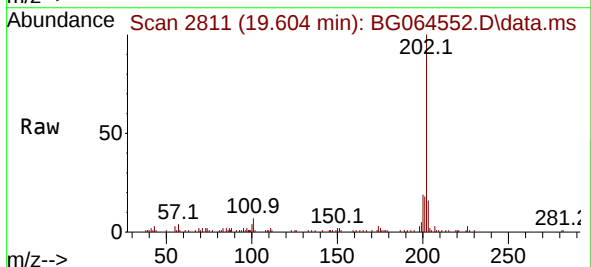
Tgt Ion:202 Resp: 36011

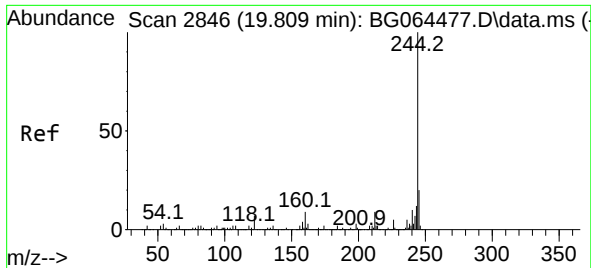
Ion Ratio Lower Upper

202 100

200 18.7 17.0 25.4

203 16.5 13.0 19.4

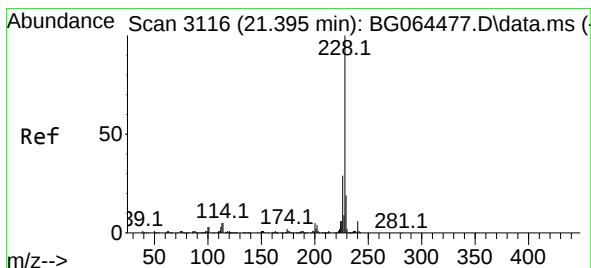
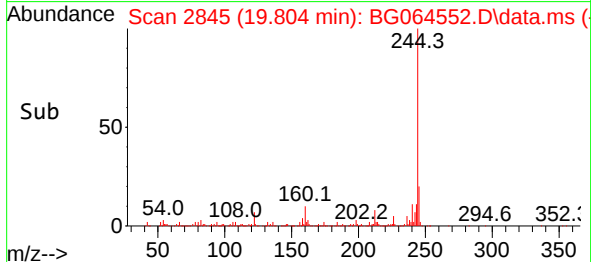
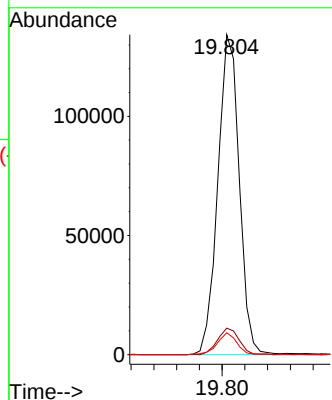
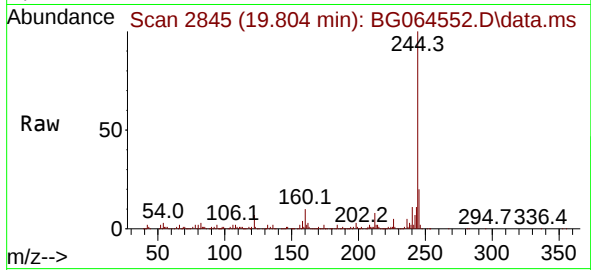




#79
 Terphenyl-d14
 Concen: 30.235 ng
 RT: 19.804 min Scan# 217
 Delta R.T. -0.002 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

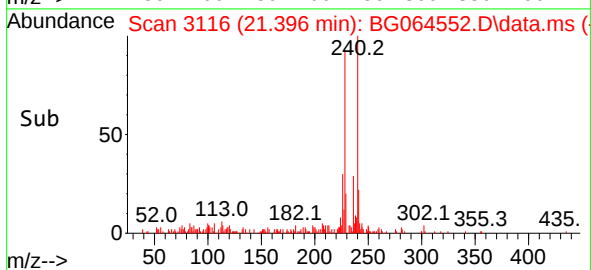
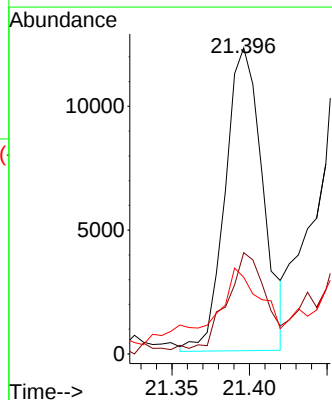
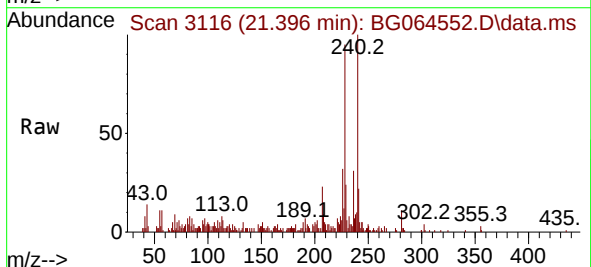
Instrument :
 BNA_G
 ClientSampleId :
 237

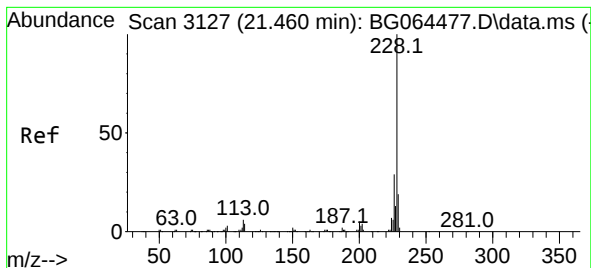
Tgt Ion:244 Resp: 175451
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.0 10.6
 122 6.8 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.941 ng
 RT: 21.396 min Scan# 3116
 Delta R.T. 0.003 min
 Lab File: BG064552.D
 Acq: 20 Oct 2025 16:43

Tgt Ion:228 Resp: 20623
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.8 34.2
 229 25.0 15.2 22.8#





#83

Chrysene

Concen: 3.276 ng

RT: 21.455 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

Instrument :

BNA_G

ClientSampleId :

237

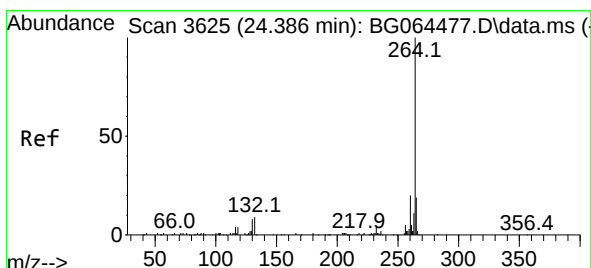
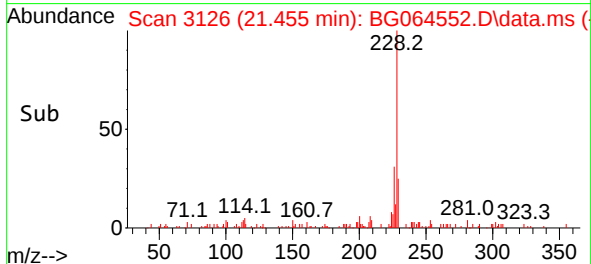
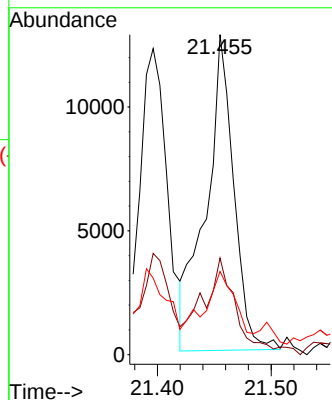
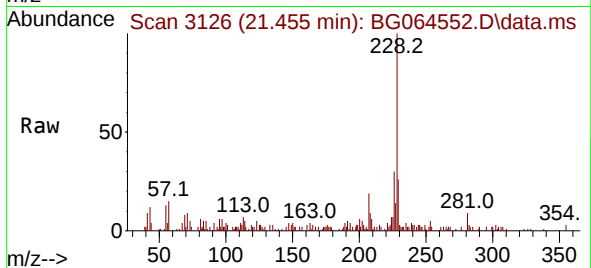
Tgt Ion:228 Resp: 21786

Ion Ratio Lower Upper

228 100

226 30.2 22.8 34.2

229 26.0 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.399 min Scan# 3627

Delta R.T. 0.009 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

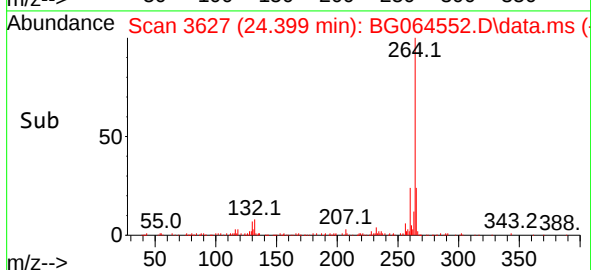
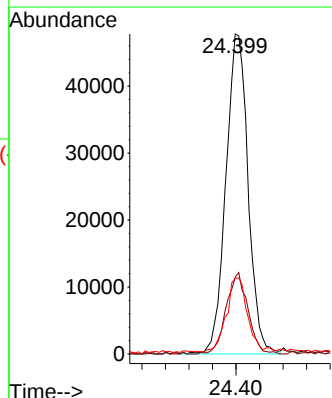
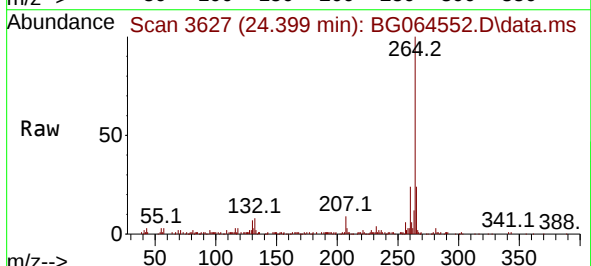
Tgt Ion:264 Resp: 125470

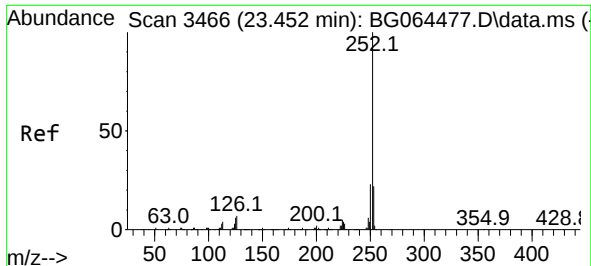
Ion Ratio Lower Upper

264 100

260 24.1 16.2 24.4

265 23.7 15.0 22.4#

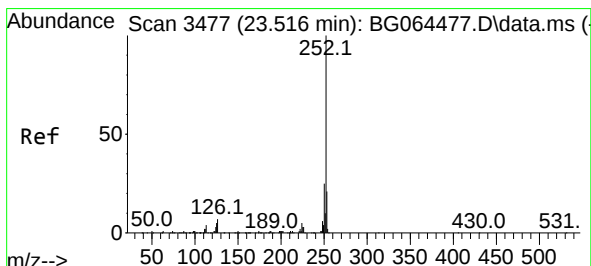
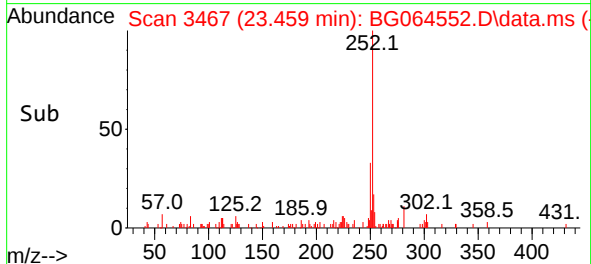
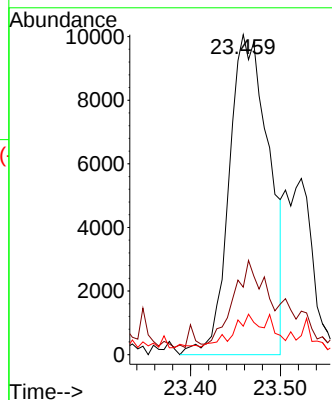
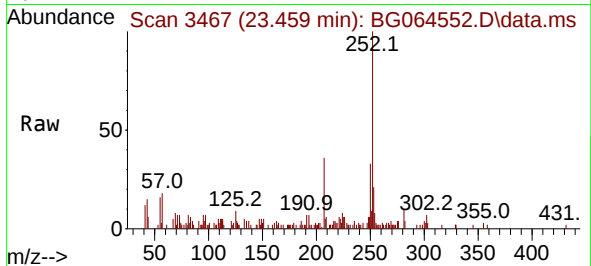




#88
Benzo(b)fluoranthene
Concen: 4.350 ng
RT: 23.459 min Scan# 3467
Delta R.T. 0.009 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

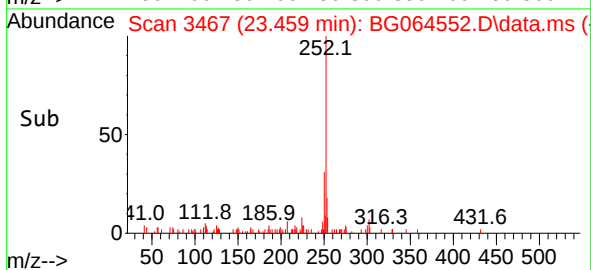
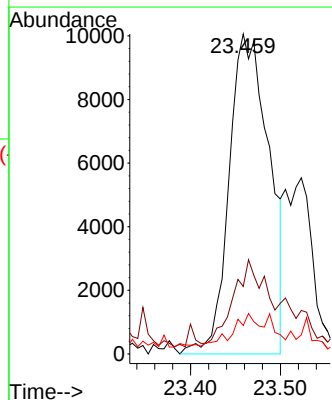
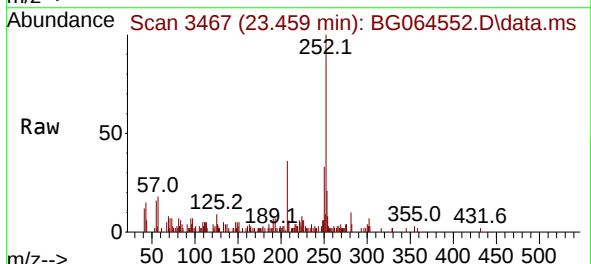
Instrument :
BNA_G
ClientSampleId :
237

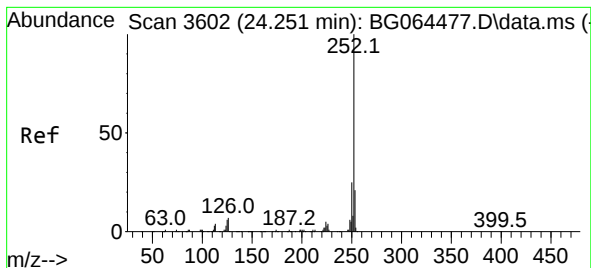
Tgt Ion:252 Resp: 31053
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 8.9 4.5 6.7#



#89
Benzo(k)fluoranthene
Concen: 4.319 ng
RT: 23.459 min Scan# 3467
Delta R.T. -0.049 min
Lab File: BG064552.D
Acq: 20 Oct 2025 16:43

Tgt Ion:252 Resp: 31053
Ion Ratio Lower Upper
252 100
253 21.1 17.4 26.2
125 8.9 4.0 6.0#





#90

Benzo(a)pyrene

Concen: 2.981 ng

RT: 24.264 min Scan# 3

Delta R.T. 0.015 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

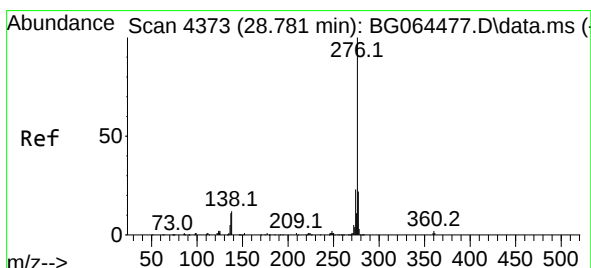
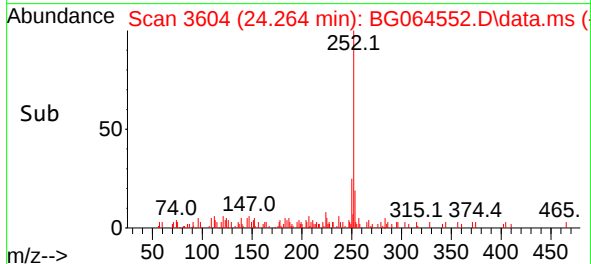
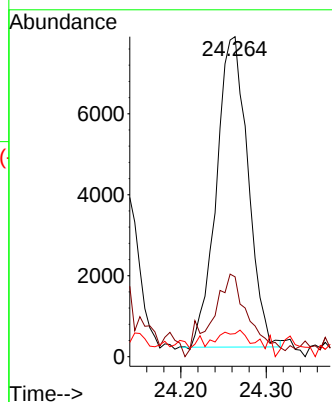
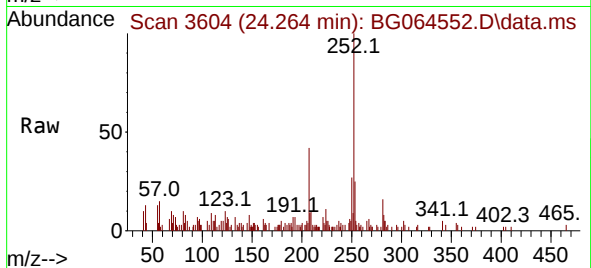
Instrument :

BNA_G

ClientSampleId :

237

Tgt Ion:	252	Resp:	19610
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.1	25.7
125	7.2	4.6	6.8#



#92

Benzo(g,h,i)perylene

Concen: 2.132 ng

RT: 28.805 min Scan# 4377

Delta R.T. 0.039 min

Lab File: BG064552.D

Acq: 20 Oct 2025 16:43

Tgt Ion:	276	Resp:	14473
Ion Ratio	Lower	Upper	
276	100		
277	31.6	17.8	26.6#
138	18.0	9.4	14.0#

