

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101725\
 Data File : BG064538.D
 Acq On : 17 Oct 2025 16:29
 Operator : RC/JU
 Sample : Q3363-05
 Misc : 8270/625.1 SPIKE
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP01-20251015

Quant Time: Oct 17 17:04:28 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)

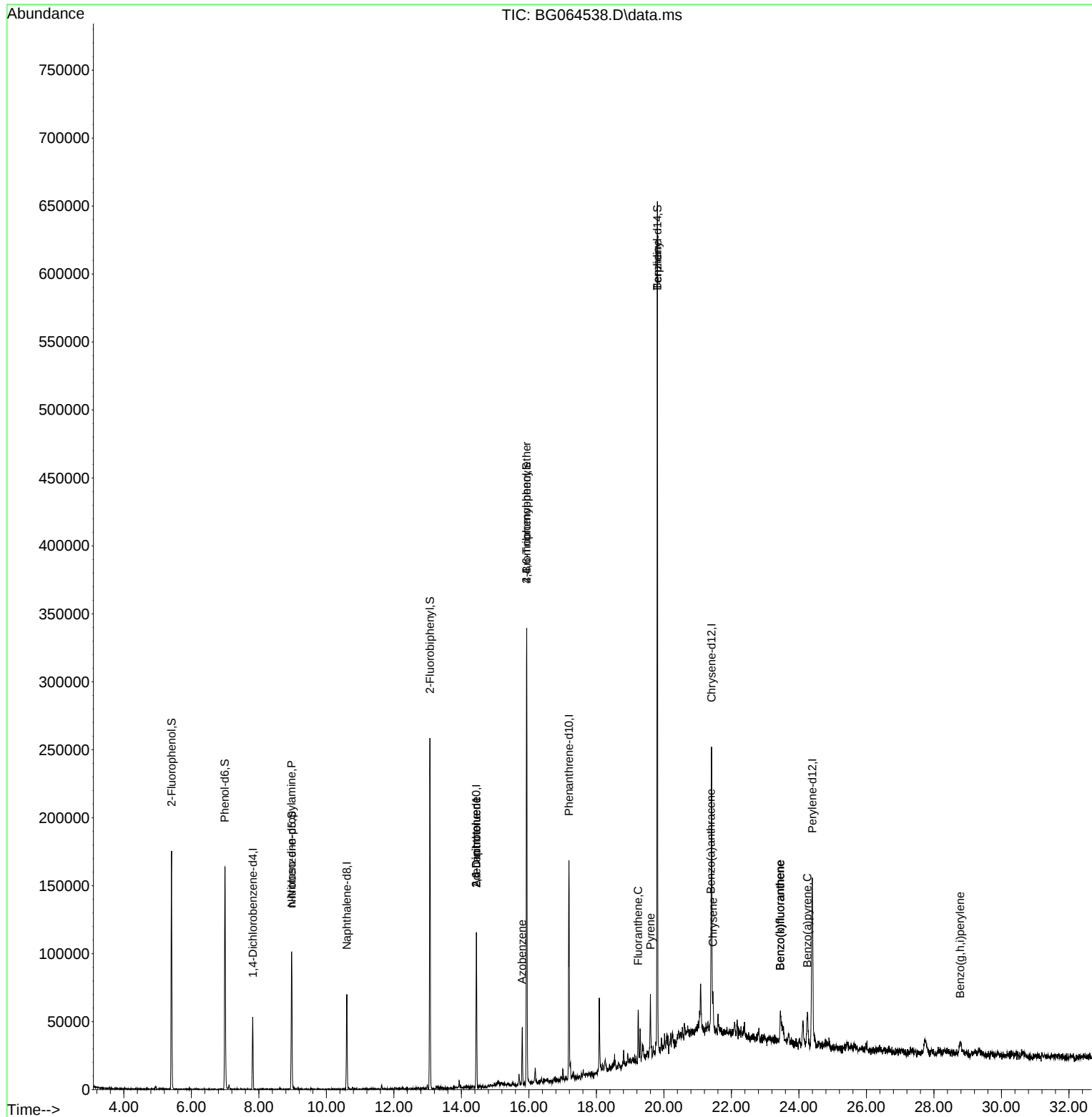
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.821	152	13378	20.000	ng	# 0.00
21) Naphthalene-d8	10.606	136	53157	20.000	ng	0.00
39) Acenaphthene-d10	14.442	164	39158	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	94623	20.000	ng	# 0.00
76) Chrysene-d12	21.411	240	112080	20.000	ng	0.00
86) Perylene-d12	24.395	264	127010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.412	112	63244	87.490	ng	0.00
7) Phenol-d6	6.992	99	79949	82.301	ng	0.00
23) Nitrobenzene-d5	8.972	82	54606	55.236	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	65490	92.266	ng	0.00
45) 2-Fluorobiphenyl	13.068	172	127558	48.016	ng	0.00
79) Terphenyl-d14	19.807	244	285318	48.177	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.966	70	8058	12.403	ng	# 84
51) 2,6-Dinitrotoluene	14.442	165	5595	8.758	ng	# 12
57) 2,4-Dinitrotoluene	14.442	165	5595	5.729	ng	# 21
63) Azobenzene	15.800	77	12595	4.943	ng	# 23
67) 4-Bromophenyl-phenylether	15.935	248	4949	4.445	ng	# 1
75) Fluoranthene	19.237	202	22421	3.793	ng	96
77) Benzidine	19.807	184	6097	2.186	ng	98
78) Pyrene	19.601	202	26885	3.696	ng	95
81) Benzo(a)anthracene	21.393	228	19009	2.656	ng	# 90
83) Chrysene	21.452	228	18740	2.761	ng	# 91
88) Benzo(b)fluoranthene	23.444	252	24103	3.336	ng	# 92
89) Benzo(k)fluoranthene	23.444	252	24103	3.312	ng	# 92
90) Benzo(a)pyrene	24.249	252	24819	3.727	ng	# 92
92) Benzo(g,h,i)perylene	28.779	276	19058	2.774	ng	# 93

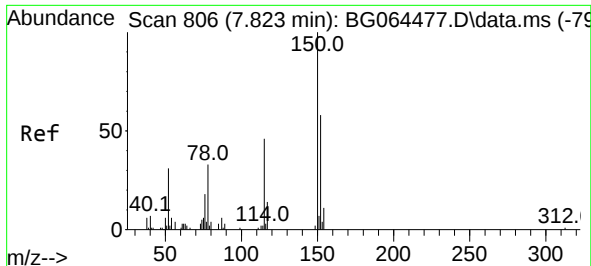
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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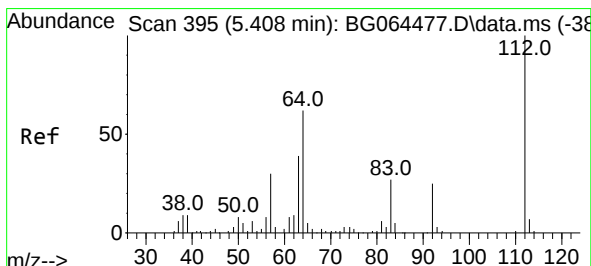
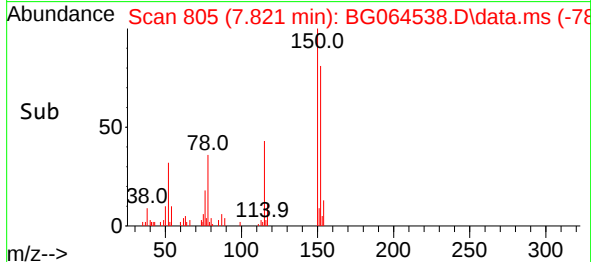
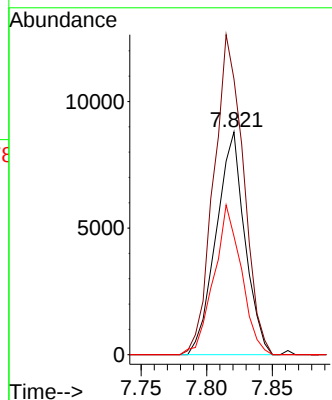
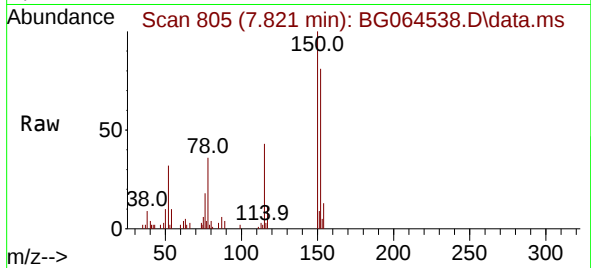




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.821 min Scan# 806
 Delta R.T. 0.001 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

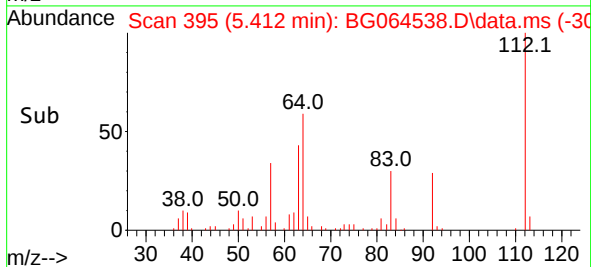
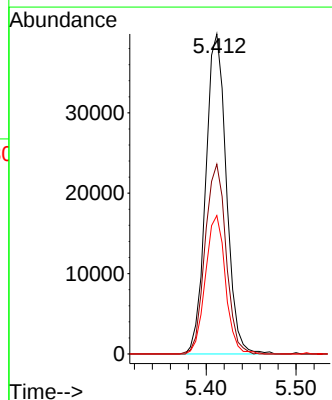
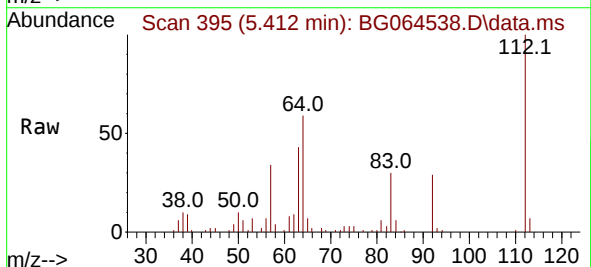
Instrument :
 BNA_G
 ClientSampleId :
 COMP01-20251015

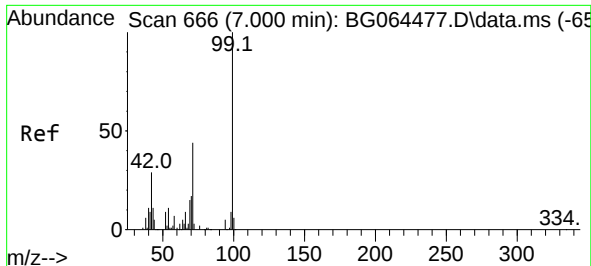
Tgt Ion:152 Resp: 13378
 Ion Ratio Lower Upper
 152 100
 150 123.8 138.6 207.8#
 115 53.1 63.4 95.2#



#5
 2-Fluorophenol
 Concen: 87.490 ng
 RT: 5.412 min Scan# 395
 Delta R.T. 0.006 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

Tgt Ion:112 Resp: 63244
 Ion Ratio Lower Upper
 112 100
 64 59.3 49.8 74.8
 63 43.3 31.3 46.9

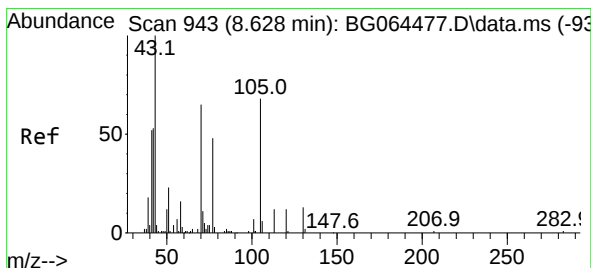
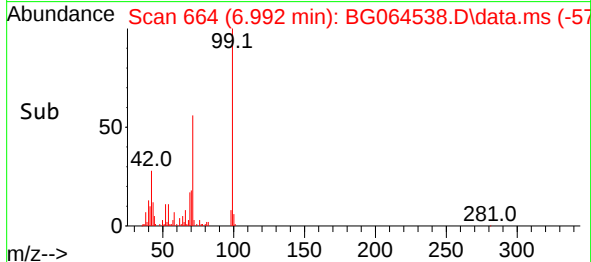
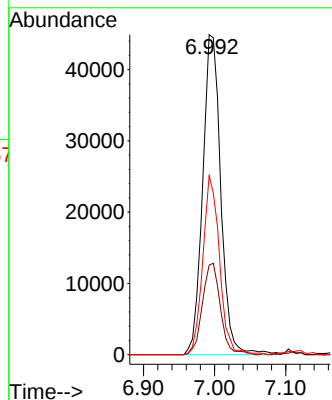
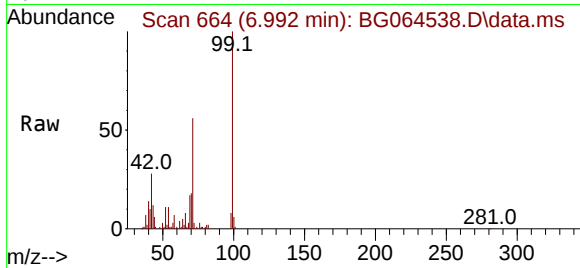




#7
Phenol-d6
Concen: 82.301 ng
RT: 6.992 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

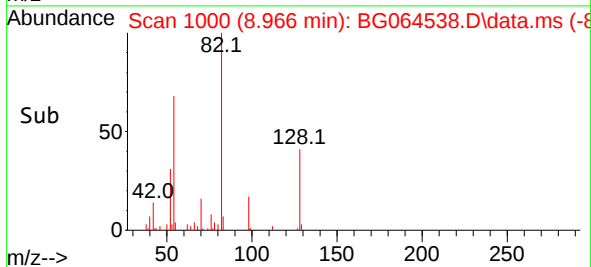
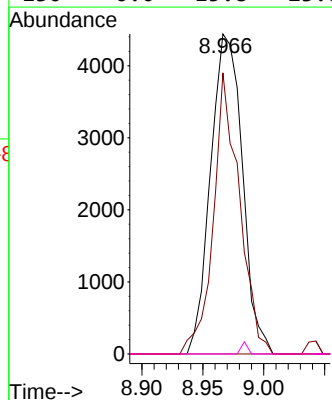
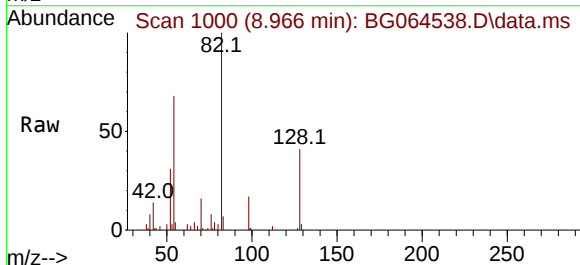
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

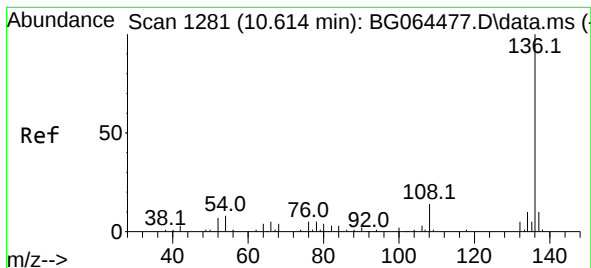
Tgt Ion: 99 Resp: 79949
Ion Ratio Lower Upper
99 100
42 28.0 22.9 34.3
71 56.0 35.4 53.2#



#19
n-Nitroso-di-n-propylamine
Concen: 12.403 ng
RT: 8.966 min Scan# 1000
Delta R.T. 0.353 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion: 70 Resp: 8058
Ion Ratio Lower Upper
70 100
42 87.9 64.9 97.3
101 0.0 8.7 13.1#
130 0.0 15.8 23.8#

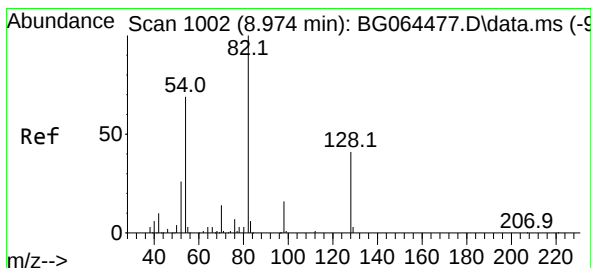
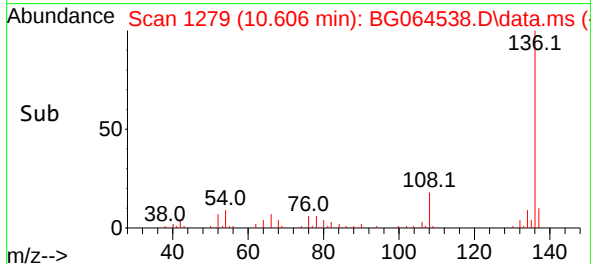
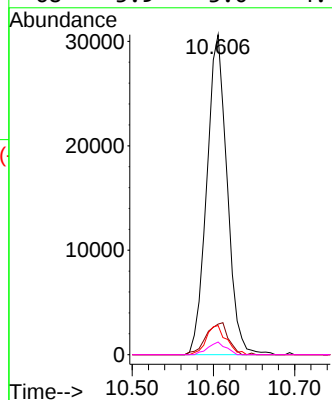
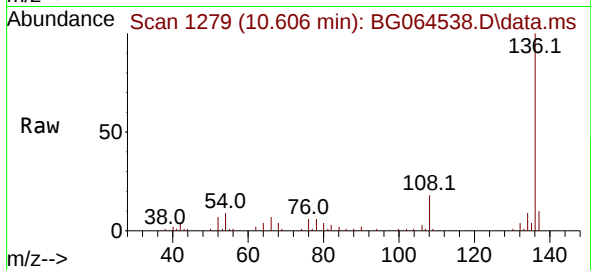




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.606 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

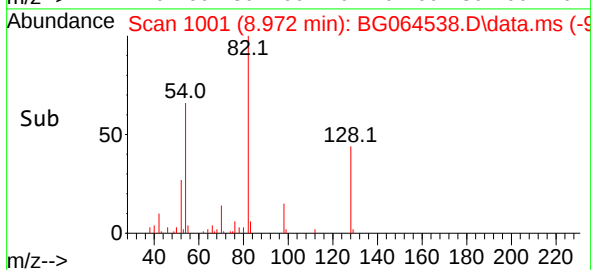
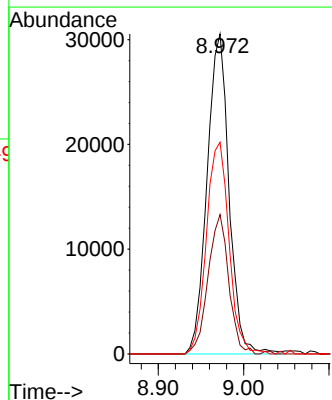
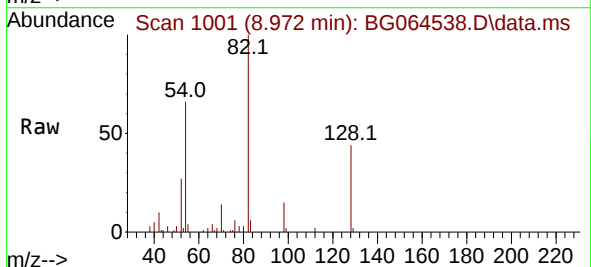
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

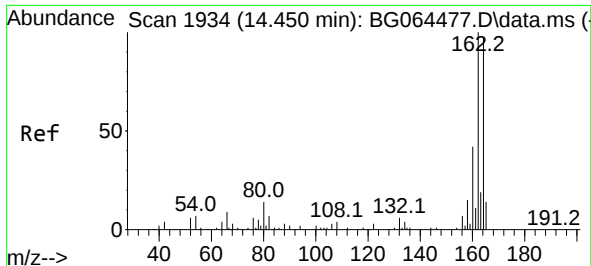
Tgt Ion:136	Resp:	53157
Ion Ratio	Lower	Upper
136	100	
137	9.5	8.3 12.5
54	9.1	6.2 9.4
68	3.9	3.0 4.4



#23
Nitrobenzene-d5
Concen: 55.236 ng
RT: 8.972 min Scan# 1001
Delta R.T. 0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

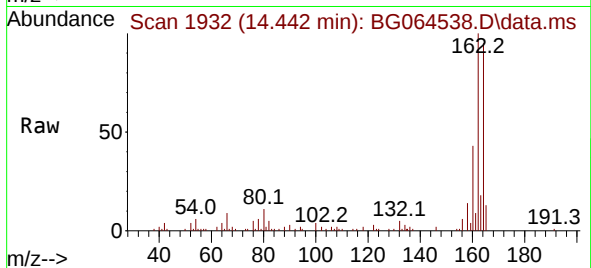
Tgt Ion: 82	Resp:	54606
Ion Ratio	Lower	Upper
82	100	
128	43.6	33.1 49.7
54	66.2	55.4 83.2



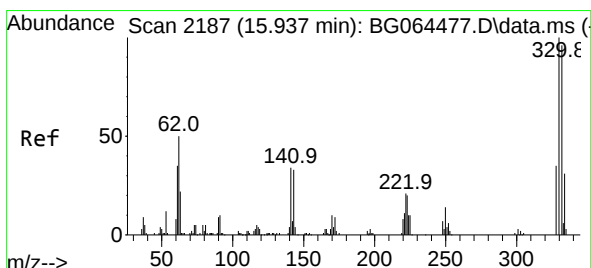
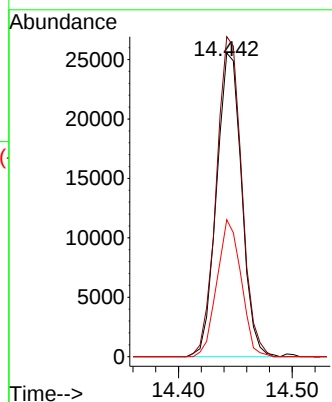
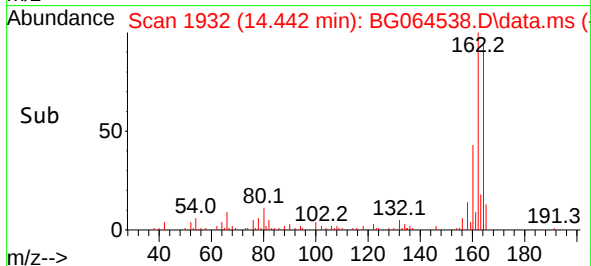


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.442 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

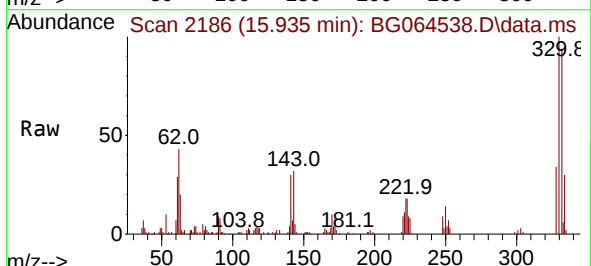
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015



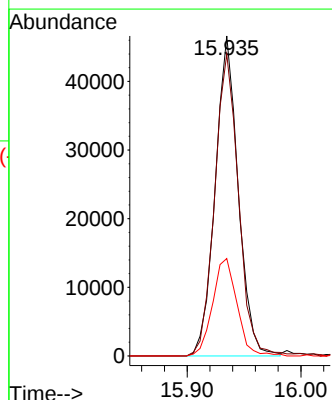
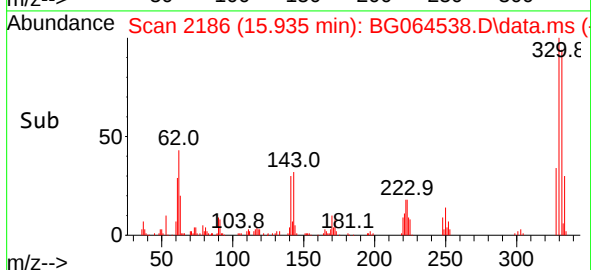
Tgt Ion:164 Resp: 39158
Ion Ratio Lower Upper
164 100
162 105.4 82.2 123.2
160 45.1 34.3 51.5

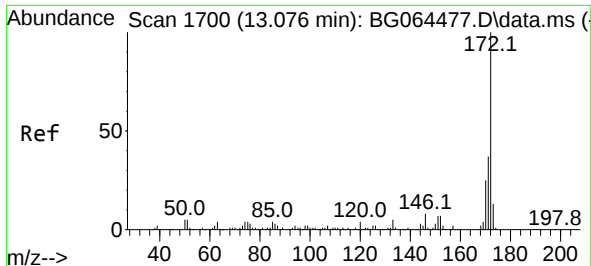


#42
2,4,6-Tribromophenol
Concen: 92.266 ng
RT: 15.935 min Scan# 2186
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29



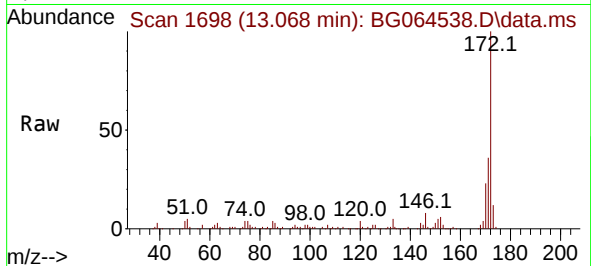
Tgt Ion:330 Resp: 65490
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.0
141 32.3 25.8 38.6



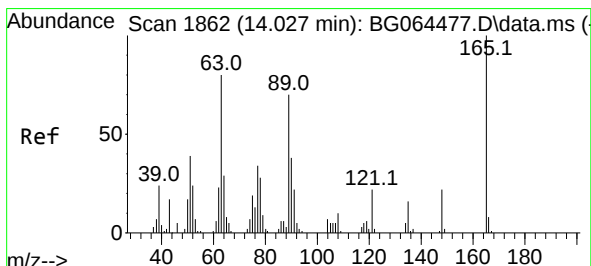
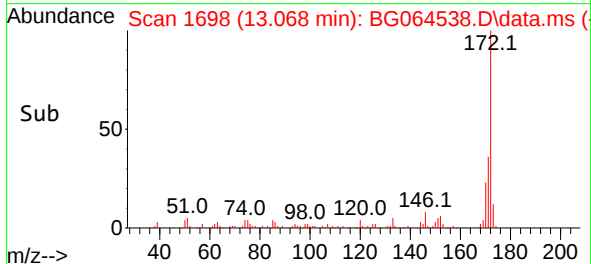
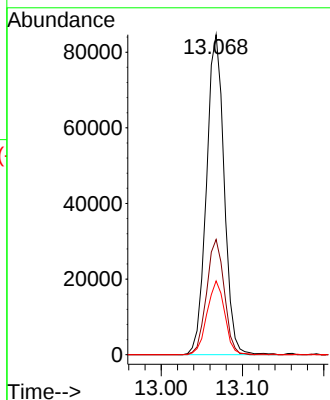


#45
2-Fluorobiphenyl
Concen: 48.016 ng
RT: 13.068 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

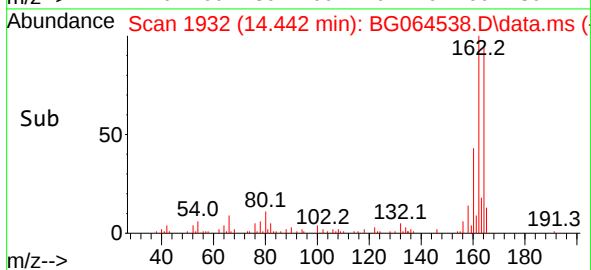
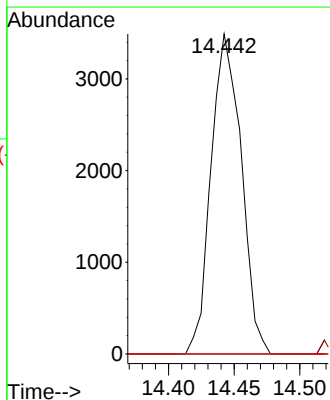
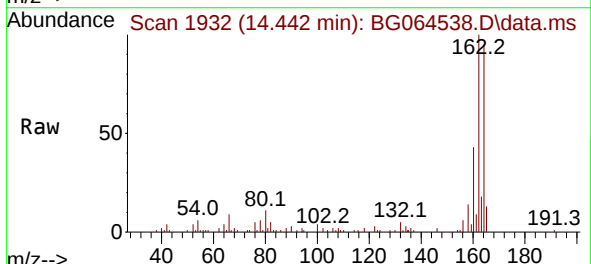


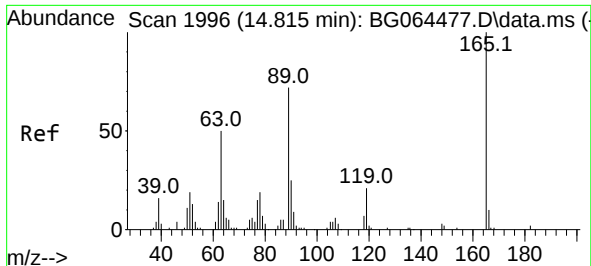
Tgt Ion:172 Resp: 127558
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.1 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.758 ng
RT: 14.442 min Scan# 1932
Delta R.T. 0.423 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

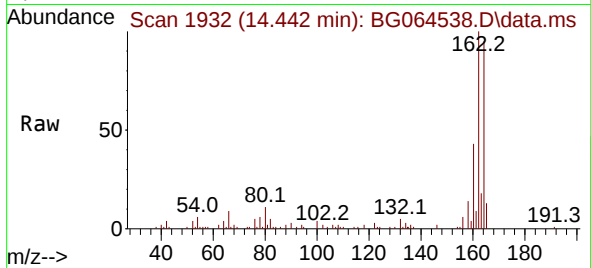
Tgt Ion:165 Resp: 5595
Ion Ratio Lower Upper
165 100
63 0.0 63.9 95.9#
89 0.0 56.1 84.1#



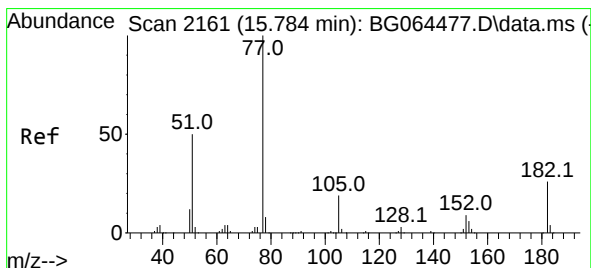
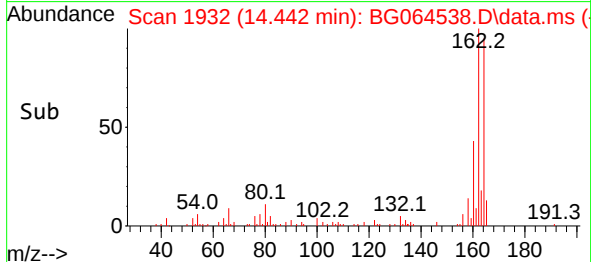
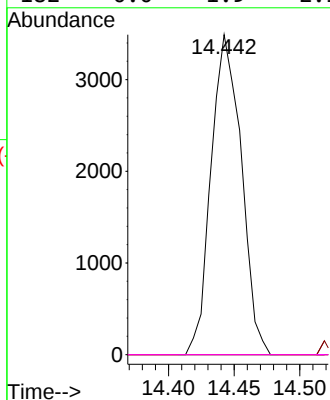


#57
2,4-Dinitrotoluene
Concen: 5.729 ng
RT: 14.442 min Scan# 1996
Delta R.T. -0.370 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

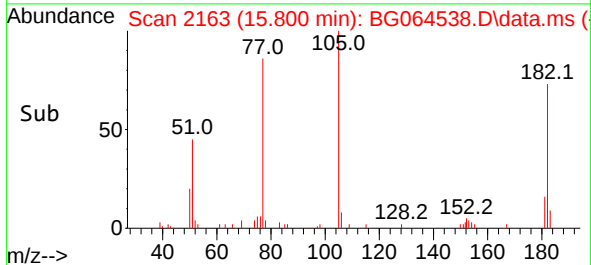
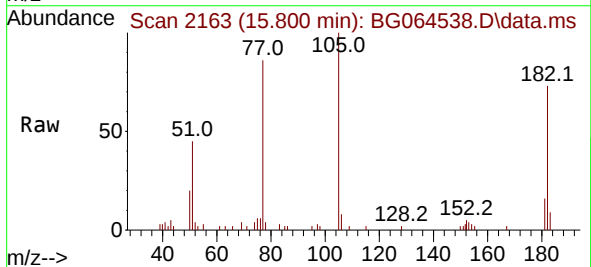
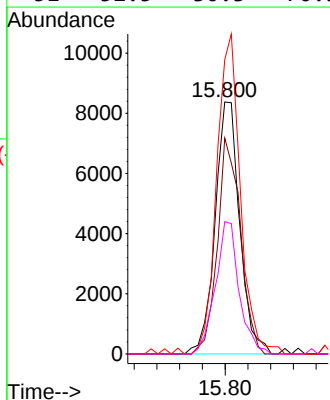


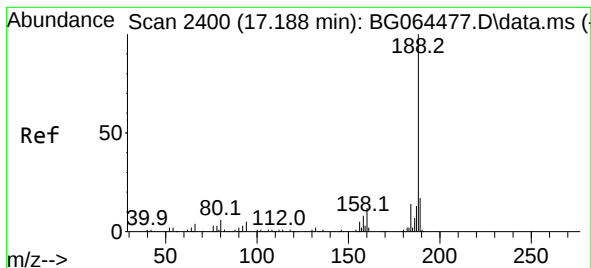
Tgt Ion:	165	Resp:	5595
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.4	60.6#
89	0.0	57.3	85.9#
182	0.0	1.9	2.9#



#63
Azobenzene
Concen: 4.943 ng
RT: 15.800 min Scan# 2163
Delta R.T. 0.018 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:	77	Resp:	12595
Ion	Ratio	Lower	Upper
77	100		
182	85.7	6.3	46.3#
105	116.8	0.0	38.7#
51	52.5	30.3	70.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.186 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

Instrument :

BNA_G

ClientSampleId :

COMP01-20251015

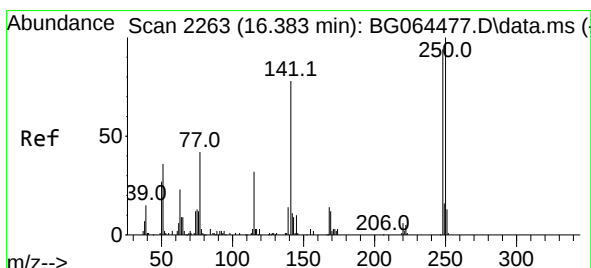
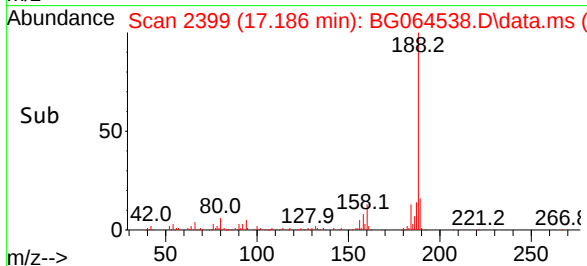
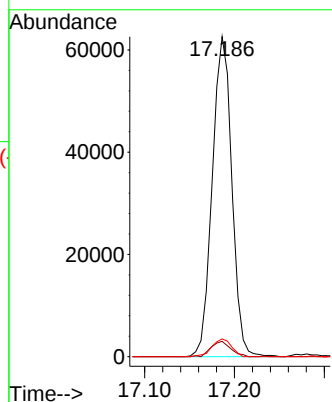
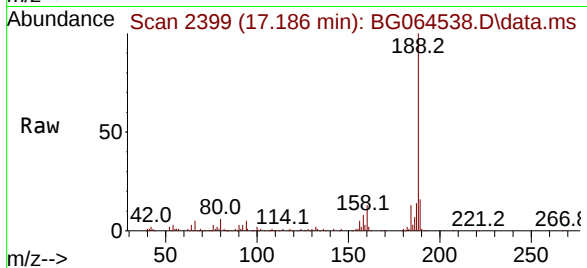
Tgt Ion:188 Resp: 94623

Ion Ratio Lower Upper

188 100

94 5.7 3.7 5.5#

80 5.5 4.5 6.7



#67

4-Bromophenyl-phenylether

Concen: 4.445 ng

RT: 15.935 min Scan# 2186

Delta R.T. -0.446 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

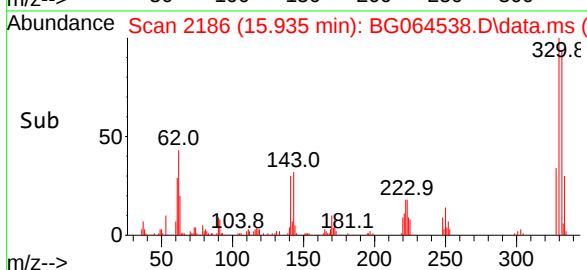
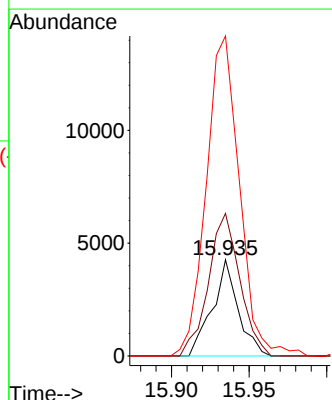
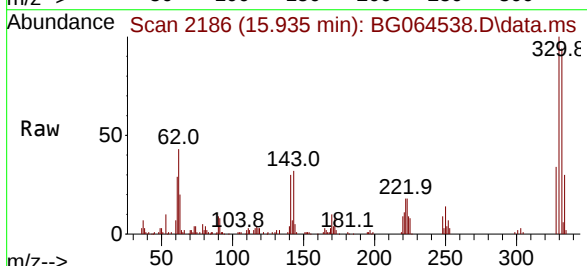
Tgt Ion:248 Resp: 4949

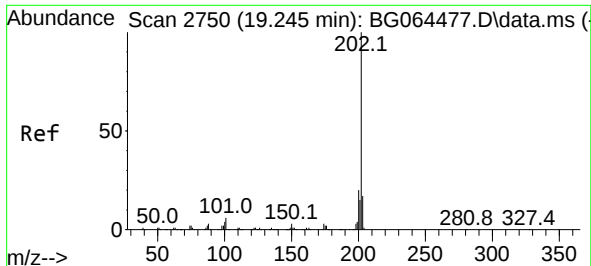
Ion Ratio Lower Upper

248 100

250 148.4 85.3 127.9#

141 333.1 66.2 99.2#

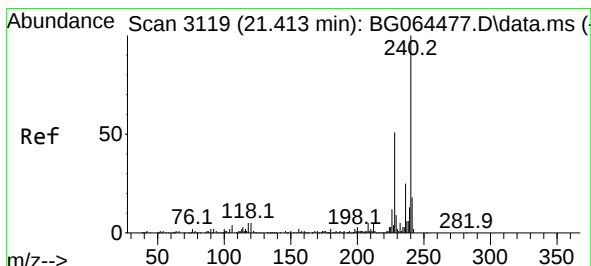
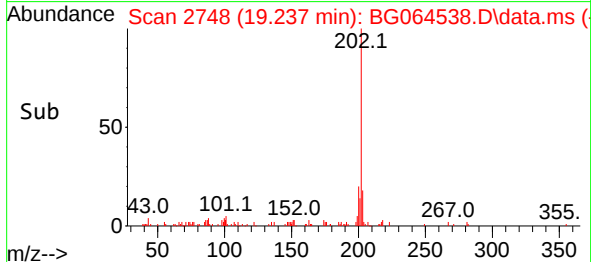
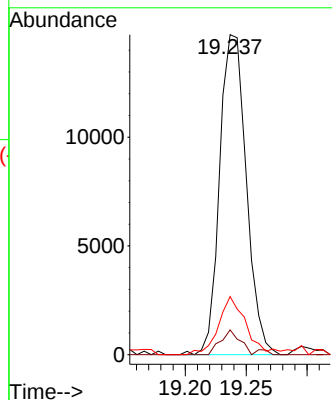
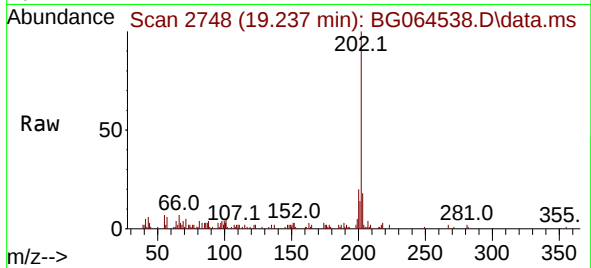




#75
Fluoranthene
Concen: 3.793 ng
RT: 19.237 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

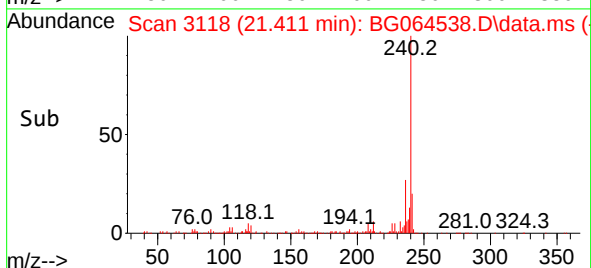
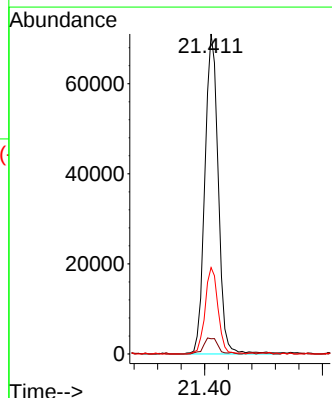
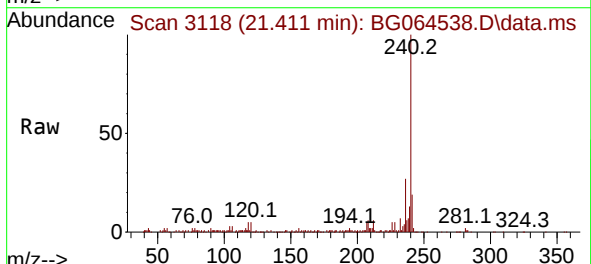
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

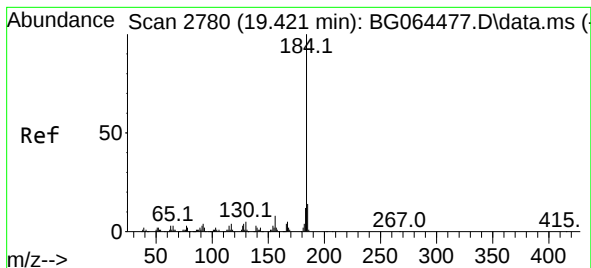
Tgt Ion:202 Resp: 22421
Ion Ratio Lower Upper
202 100
101 7.7 0.0 25.7
203 18.1 0.0 36.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.411 min Scan# 3118
Delta R.T. 0.001 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:240 Resp: 112080
Ion Ratio Lower Upper
240 100
120 4.7 4.3 6.5
236 27.0 20.4 30.6





#77

Benzidine

Concen: 2.186 ng

RT: 19.807 min Scan# 21

Delta R.T. 0.382 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

Instrument :

BNA_G

ClientSampleId :

COMP01-20251015

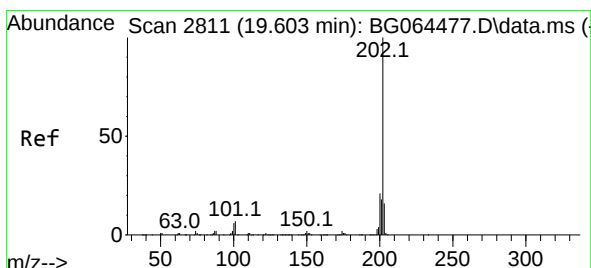
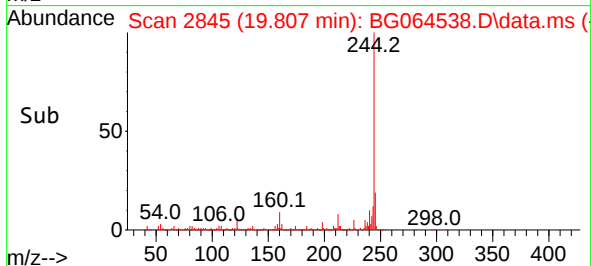
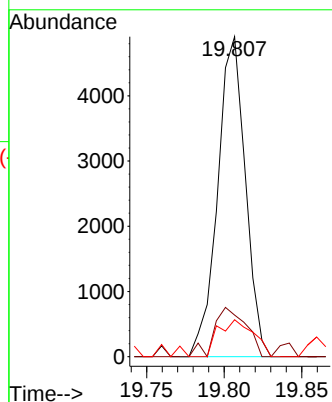
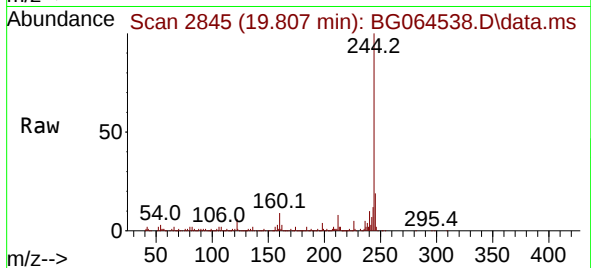
Tgt Ion:184 Resp: 6097

Ion Ratio Lower Upper

184 100

185 13.0 10.9 16.3

183 11.6 9.8 14.6



#78

Pyrene

Concen: 3.696 ng

RT: 19.601 min Scan# 2810

Delta R.T. 0.000 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

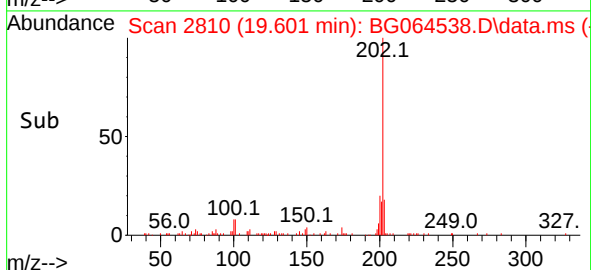
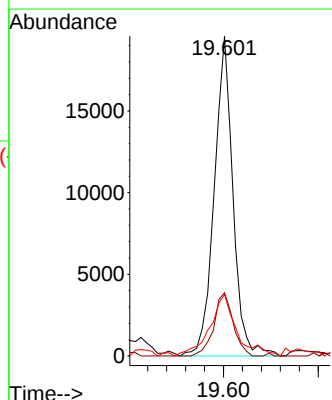
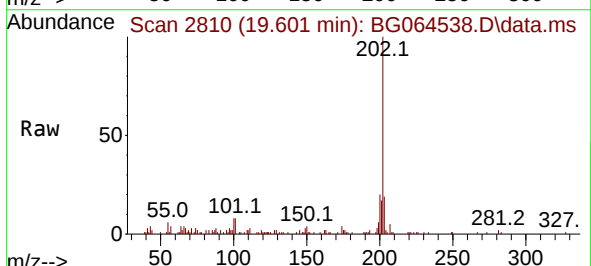
Tgt Ion:202 Resp: 26885

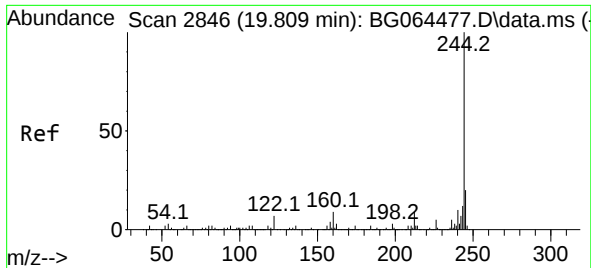
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.4

203 19.2 13.0 19.4

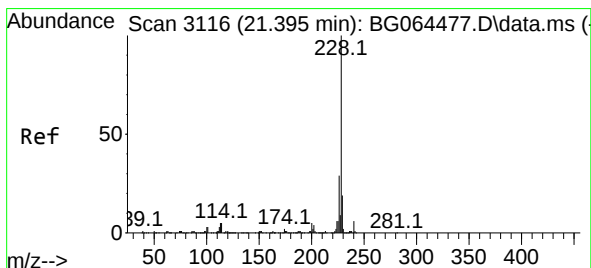
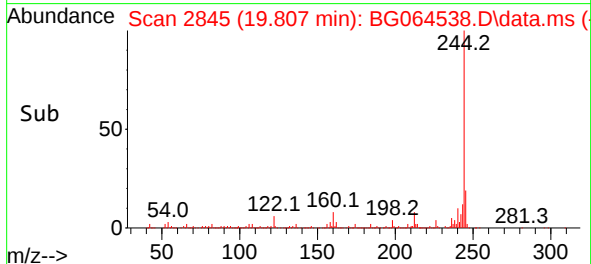
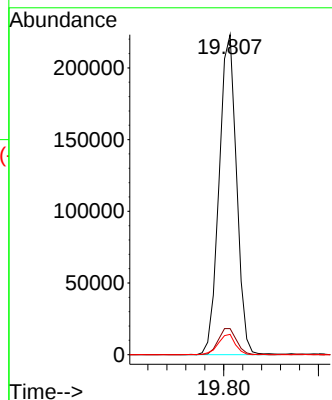
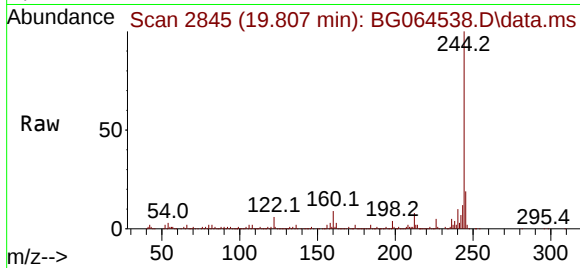




#79
 Terphenyl-d14
 Concen: 48.177 ng
 RT: 19.807 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

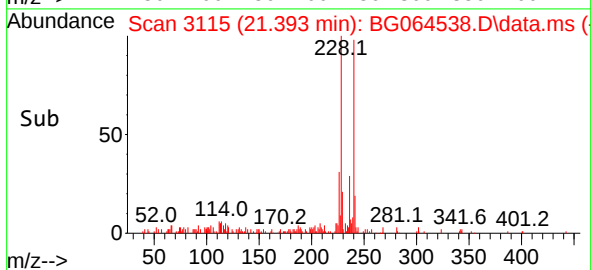
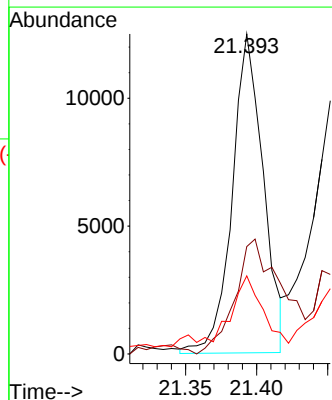
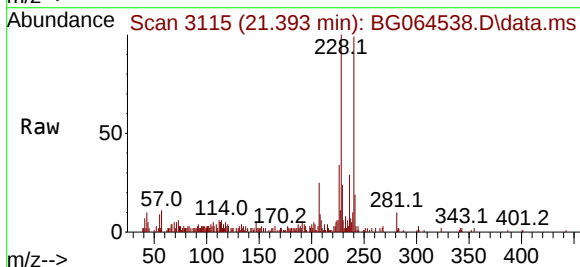
Instrument :
 BNA_G
 ClientSampleId :
 COMP01-20251015

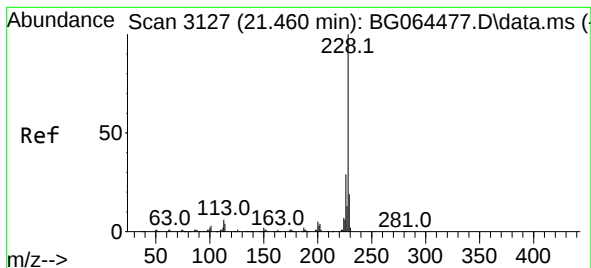
Tgt Ion:244 Resp: 285318
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.0 10.6
 122 6.3 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 2.656 ng
 RT: 21.393 min Scan# 3115
 Delta R.T. 0.000 min
 Lab File: BG064538.D
 Acq: 17 Oct 2025 16:29

Tgt Ion:228 Resp: 19009
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.8 34.2
 229 24.4 15.2 22.8#





#83

Chrysene

Concen: 2.761 ng

RT: 21.452 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

Instrument :

BNA_G

ClientSampleId :

COMP01-20251015

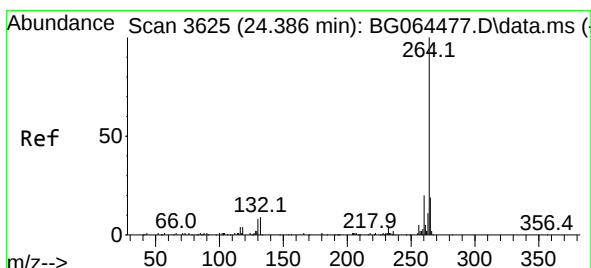
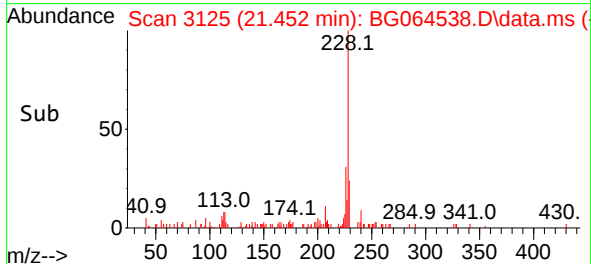
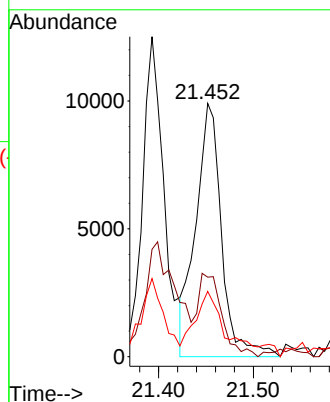
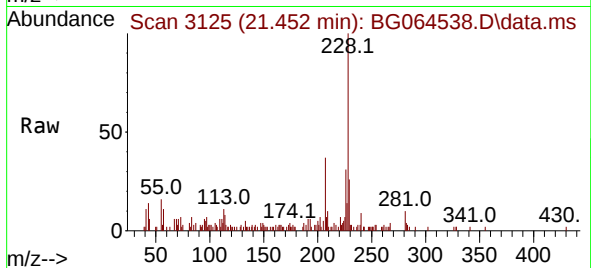
Tgt Ion:228 Resp: 18740

Ion Ratio Lower Upper

228 100

226 31.4 22.8 34.2

229 25.8 15.4 23.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.395 min Scan# 3626

Delta R.T. 0.006 min

Lab File: BG064538.D

Acq: 17 Oct 2025 16:29

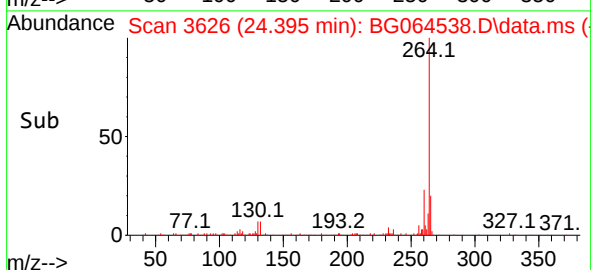
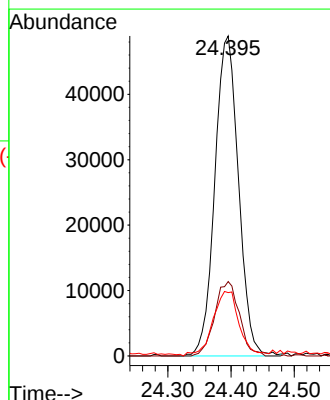
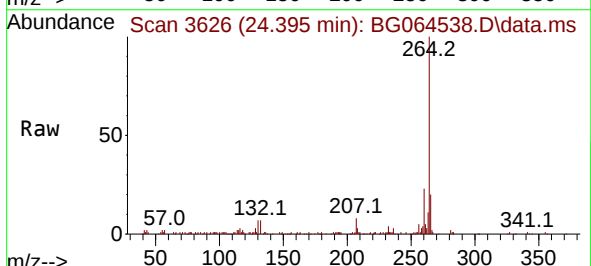
Tgt Ion:264 Resp: 127010

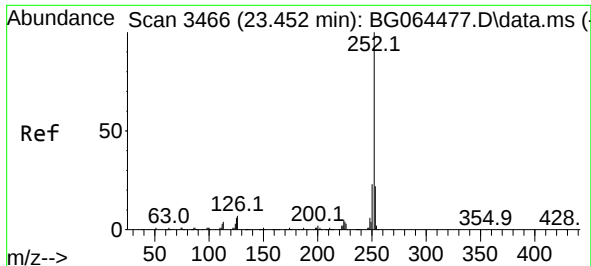
Ion Ratio Lower Upper

264 100

260 23.2 16.2 24.4

265 19.8 15.0 22.4

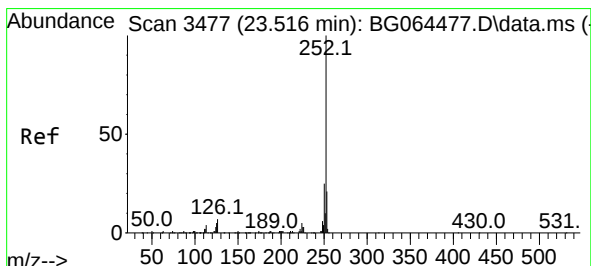
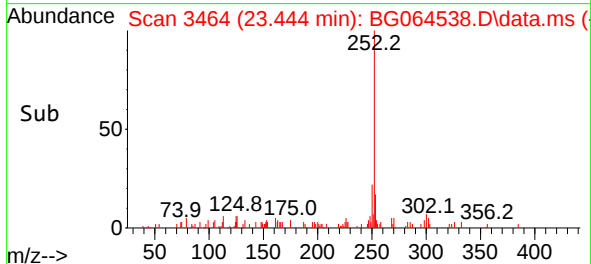
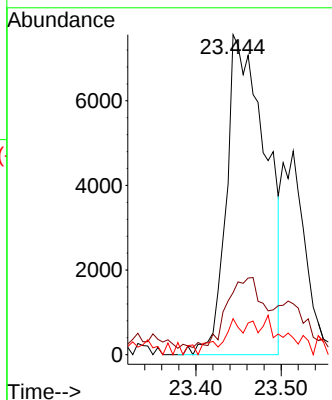
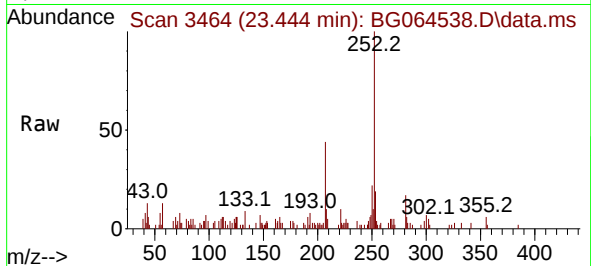




#88
Benzo(b)fluoranthene
Concen: 3.336 ng
RT: 23.444 min Scan# 3464
Delta R.T. -0.006 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

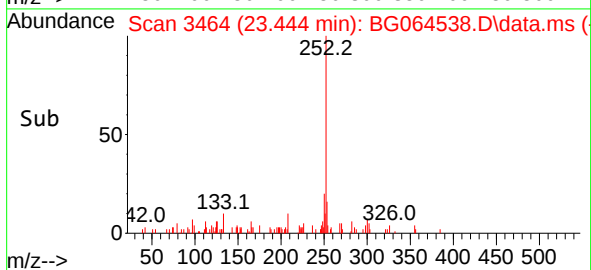
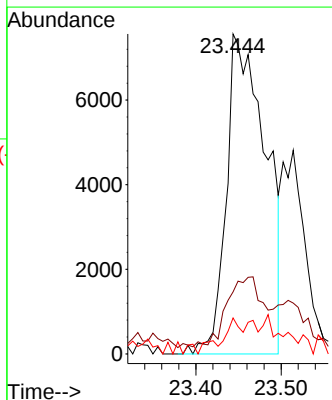
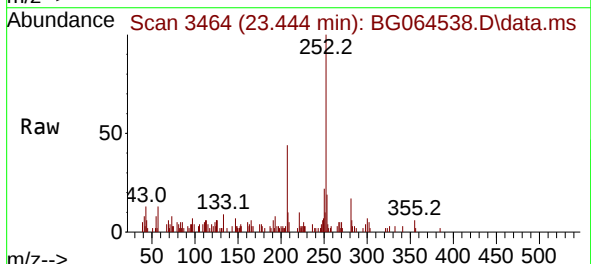
Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

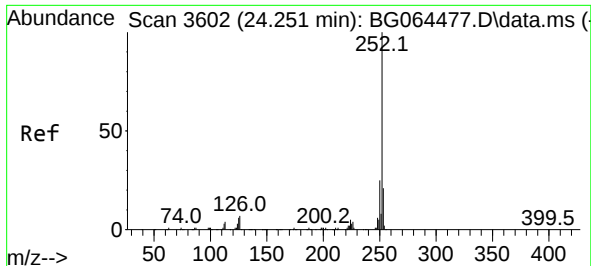
Tgt Ion:252 Resp: 24103
Ion Ratio Lower Upper
252 100
253 19.4 17.5 26.3
125 11.3 4.5 6.7#



#89
Benzo(k)fluoranthene
Concen: 3.312 ng
RT: 23.444 min Scan# 3464
Delta R.T. -0.064 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:252 Resp: 24103
Ion Ratio Lower Upper
252 100
253 19.4 17.4 26.2
125 11.3 4.0 6.0#

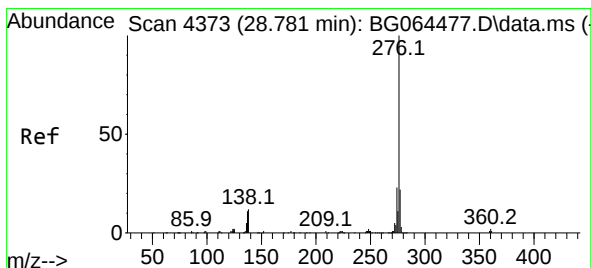
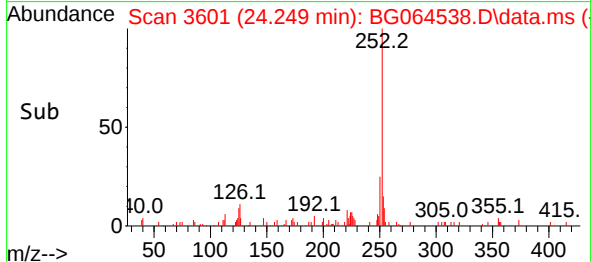
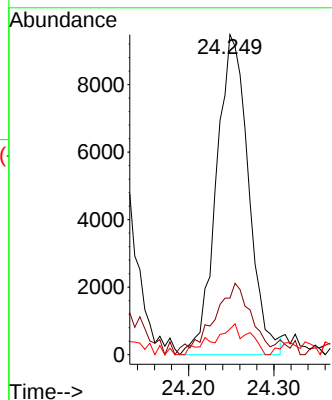
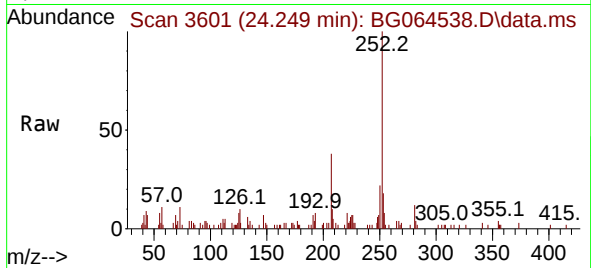




#90
Benzo(a)pyrene
Concen: 3.727 ng
RT: 24.249 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Instrument :
BNA_G
ClientSampleId :
COMP01-20251015

Tgt Ion:252 Resp: 24819
Ion Ratio Lower Upper
252 100
253 17.7 17.1 25.7
125 8.0 4.6 6.8#



#92
Benzo(g,h,i)perylene
Concen: 2.774 ng
RT: 28.779 min Scan# 4372
Delta R.T. 0.012 min
Lab File: BG064538.D
Acq: 17 Oct 2025 16:29

Tgt Ion:276 Resp: 19058
Ion Ratio Lower Upper
276 100
277 18.7 17.8 26.6
138 8.8 9.4 14.0#

