

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064493.D
 Acq On : 3 Oct 2025 18:59
 Operator : RC/JU
 Sample : Q3273-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW1

Quant Time: Oct 04 00:00:10 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)

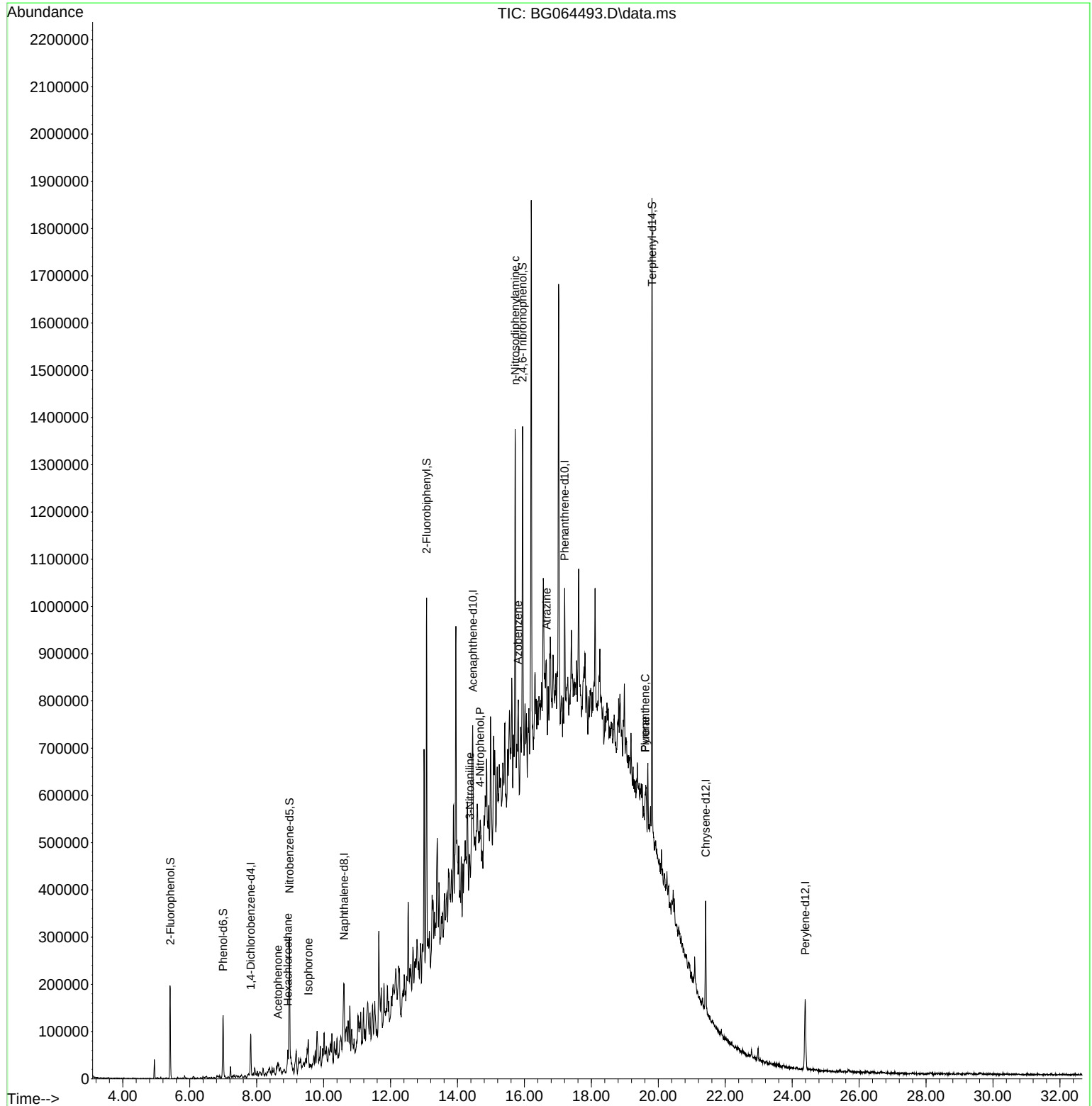
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.820	152	20058	20.000	ng	0.00
21) Naphthalene-d8	10.611	136	82373	20.000	ng	# 0.00
39) Acenaphthene-d10	14.459	164	60802	20.000	ng	0.01
64) Phenanthrene-d10	17.197	188	129947	20.000	ng	# 0.01
76) Chrysene-d12	21.416	240	136555	20.000	ng	# 0.00
86) Perylene-d12	24.389	264	149983	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	73920	68.203	ng	0.01
7) Phenol-d6	6.997	99	59110	40.584	ng	0.01
23) Nitrobenzene-d5	8.977	82	138717	90.549	ng	0.01
42) 2,4,6-Tribromophenol	15.946	330	147739	134.050	ng	0.01
45) 2-Fluorobiphenyl	13.079	172	378313	91.713	ng	0.01
79) Terphenyl-d14	19.812	244	622795	86.312	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.930	117	3940	6.831	ng	# 1
22) Acetophenone	8.631	105	12131	6.082	ng	# 51
25) Isophorone	9.541	82	6717	2.420	ng	# 1
53) 3-Nitroaniline	14.371	138	2276	2.488	ng	# 33
56) 4-Nitrophenol	14.671	139	2324	3.227	ng	# 18
63) Azobenzene	15.811	77	25384	6.416	ng	# 37
66) n-Nitrosodiphenylamine	15.722	169	44658	12.869	ng	# 42
69) Atrazine	16.663	200	3763	2.437	ng	# 17
75) Fluoranthene	19.606	202	41244	5.080	ng	84
78) Pyrene	19.606	202	41244	4.654	ng	# 91

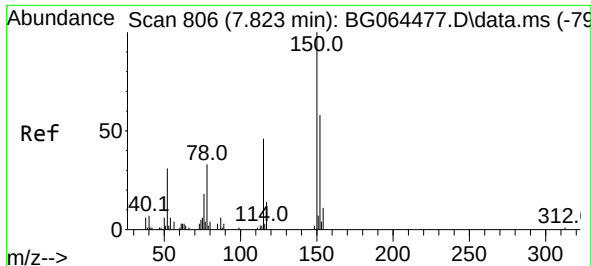
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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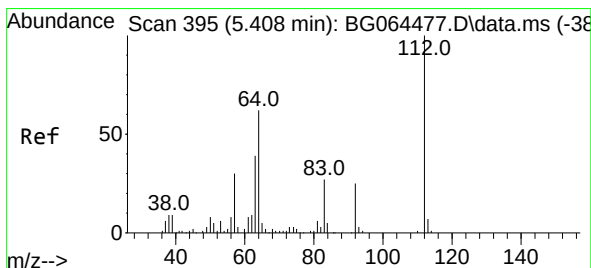
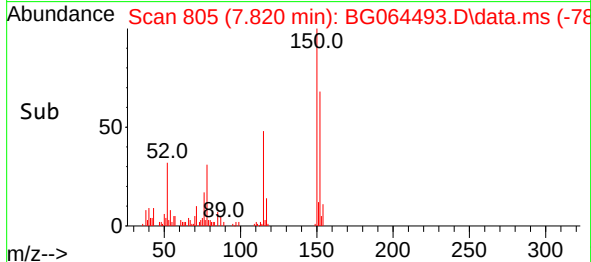
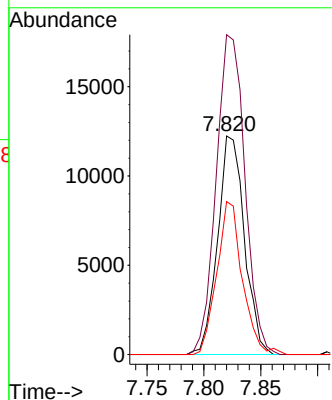
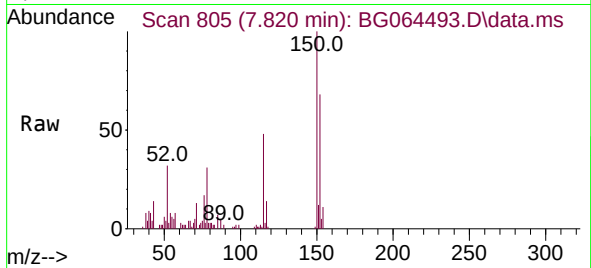


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.820 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

Instrument :
 BNA_G
 ClientSampleId :
 MW1

Tgt Ion:152 Resp: 20058

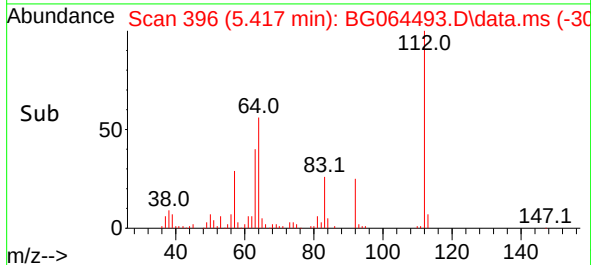
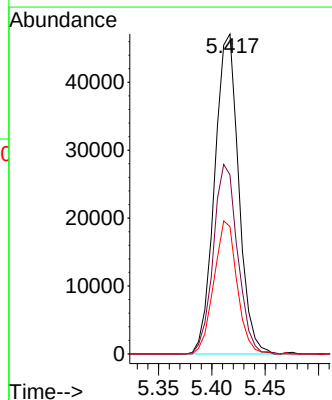
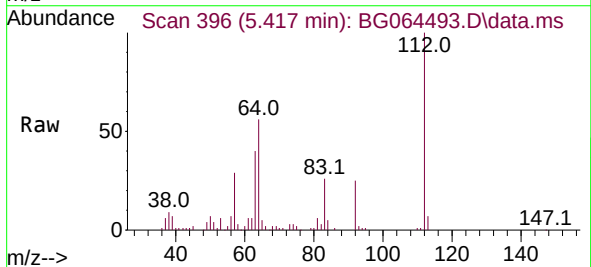
Ion	Ratio	Lower	Upper
152	100		
150	146.3	138.6	207.8
115	70.0	63.4	95.2

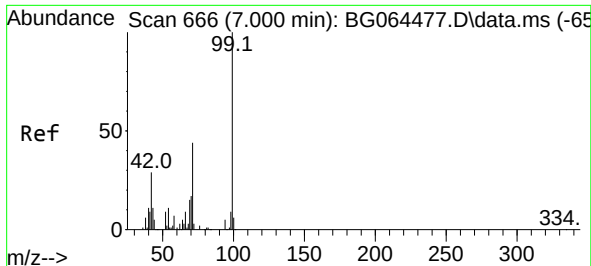


#5
 2-Fluorophenol
 Concen: 68.203 ng
 RT: 5.417 min Scan# 396
 Delta R.T. 0.011 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

Tgt Ion:112 Resp: 73920

Ion	Ratio	Lower	Upper
112	100		
64	55.9	49.8	74.8
63	39.8	31.3	46.9

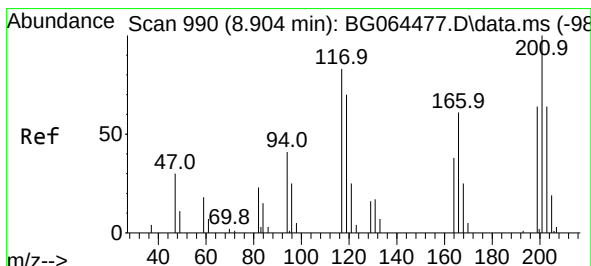
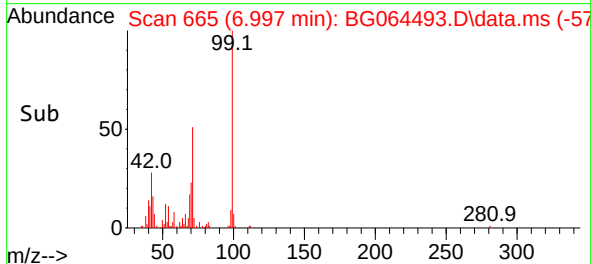
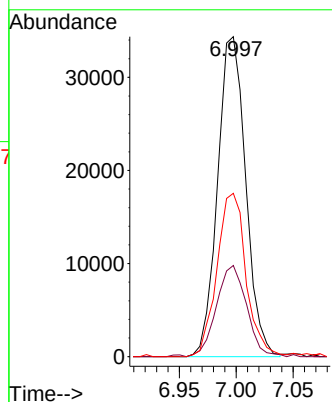
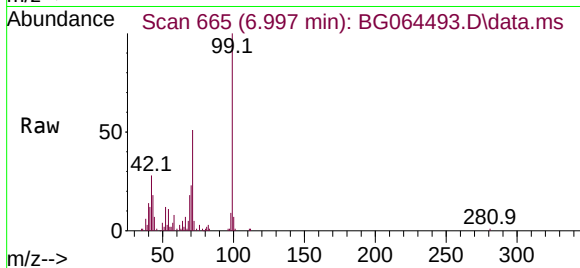




#7
Phenol-d6
Concen: 40.584 ng
RT: 6.997 min Scan# 60
Delta R.T. 0.011 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

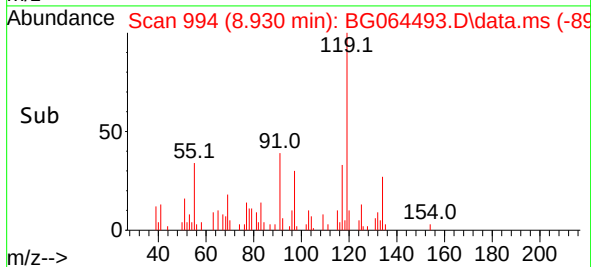
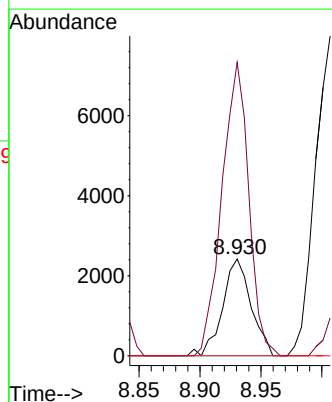
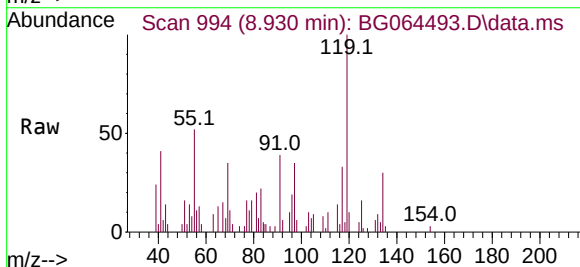
Instrument :
BNA_G
ClientSampleId :
MW1

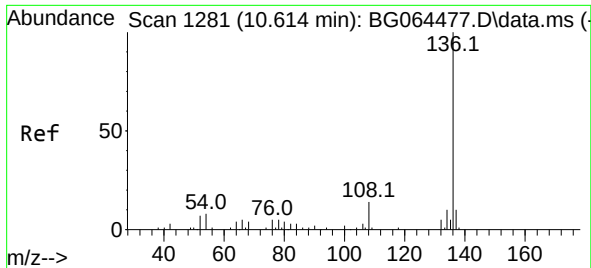
Tgt Ion: 99 Resp: 59110
Ion Ratio Lower Upper
99 100
42 28.5 22.9 34.3
71 51.0 35.4 53.2



#18
Hexachloroethane
Concen: 6.831 ng
RT: 8.930 min Scan# 994
Delta R.T. 0.035 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion: 117 Resp: 3940
Ion Ratio Lower Upper
117 100
119 302.9 67.4 101.0#
201 0.0 95.9 143.9#

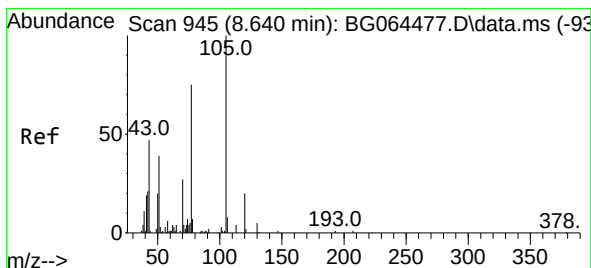
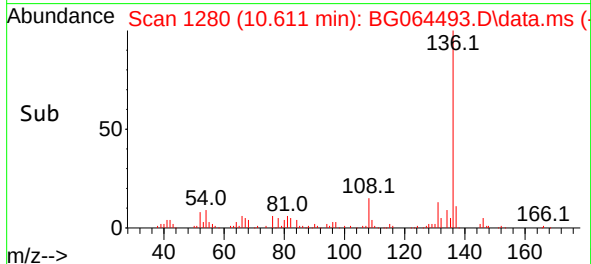
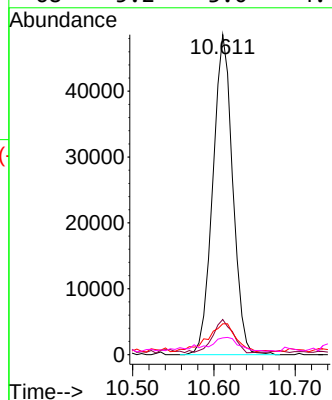
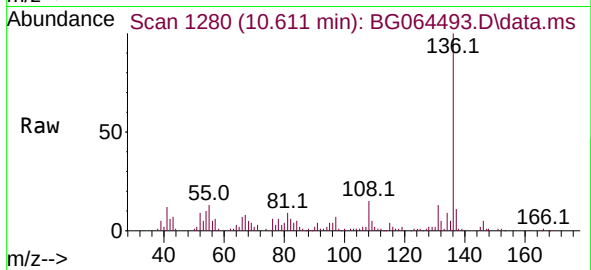




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.611 min Scan# 1281
Delta R.T. 0.005 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

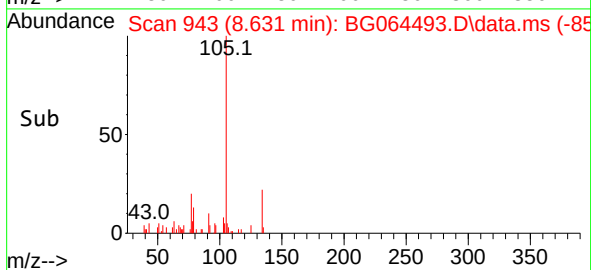
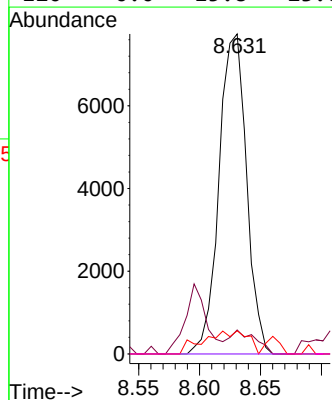
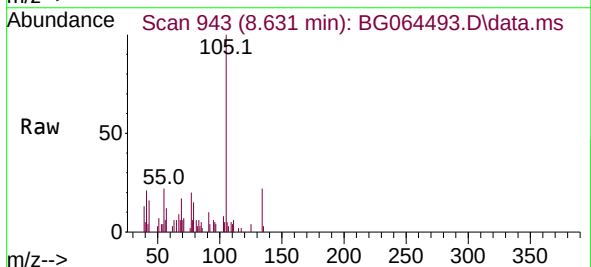
Instrument :
BNA_G
ClientSampleId :
MW1

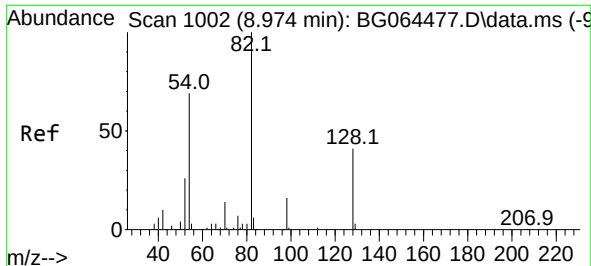
Tgt Ion:	136	Resp:	82373
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.3	12.5
54	9.6	6.2	9.4#
68	5.2	3.0	4.4#



#22
Acetophenone
Concen: 6.082 ng
RT: 8.631 min Scan# 943
Delta R.T. -0.000 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion:	105	Resp:	12131
Ion Ratio	Lower	Upper	
105	100		
71	7.5	2.8	4.2#
51	7.2	33.0	49.4#
120	0.0	15.8	23.6#

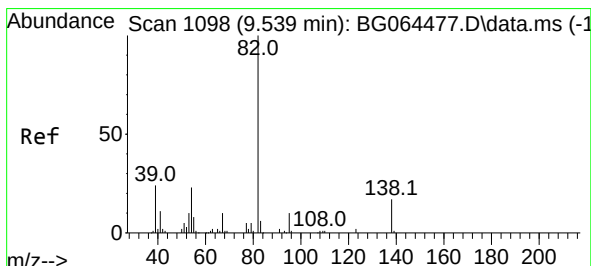
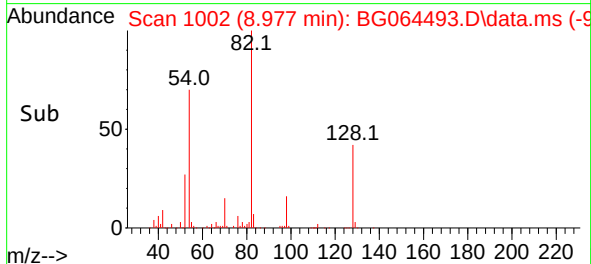
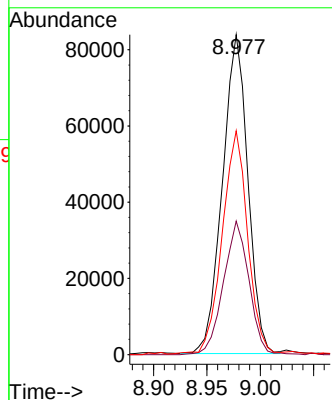
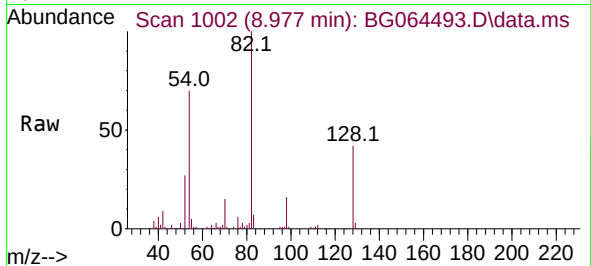




#23
Nitrobenzene-d5
Concen: 90.549 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.011 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

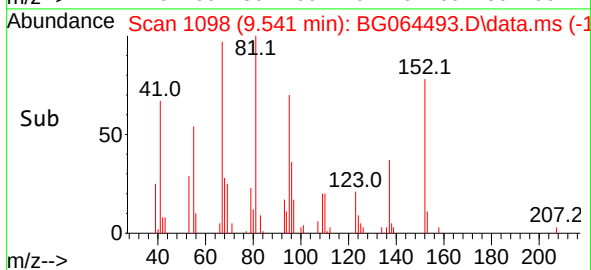
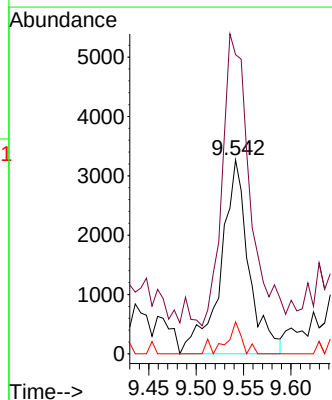
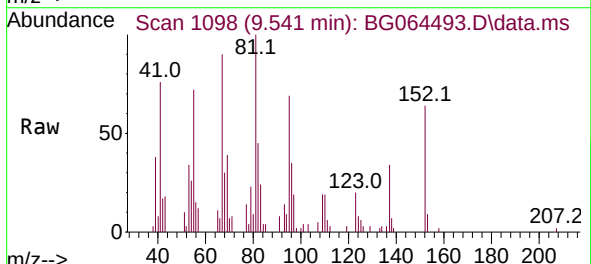
Instrument :
BNA_G
ClientSampleId :
MW1

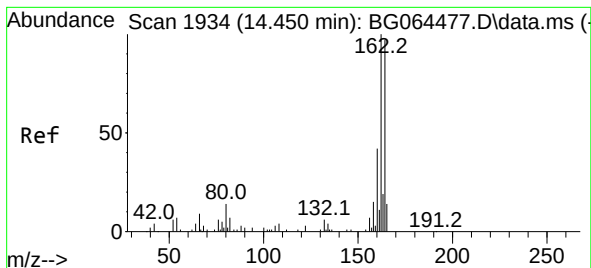
Tgt Ion: 82 Resp: 138717
Ion Ratio Lower Upper
82 100
128 41.7 33.1 49.7
54 69.9 55.4 83.2



#25
Isophorone
Concen: 2.420 ng
RT: 9.541 min Scan# 1098
Delta R.T. 0.011 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion: 82 Resp: 6717
Ion Ratio Lower Upper
82 100
95 154.3 7.8 11.8#
138 16.5 13.8 20.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.459 min Scan# 1934

Delta R.T. 0.011 min

Lab File: BG064493.D

Acq: 3 Oct 2025 18:59

Instrument :

BNA_G

ClientSampleId :

MW1

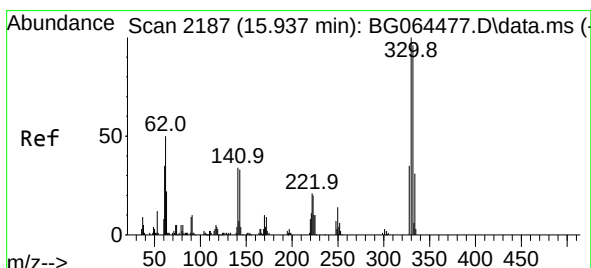
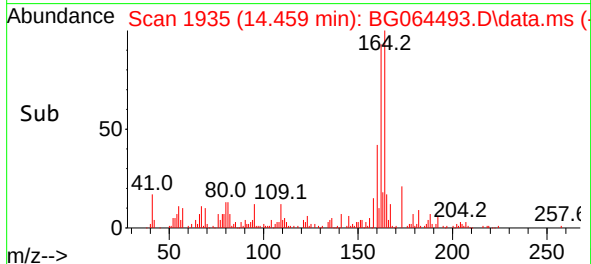
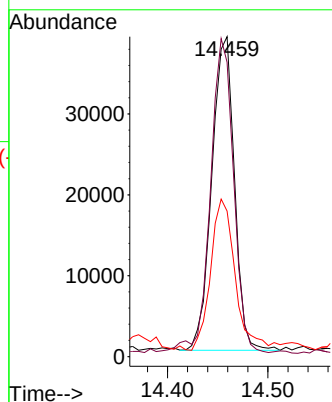
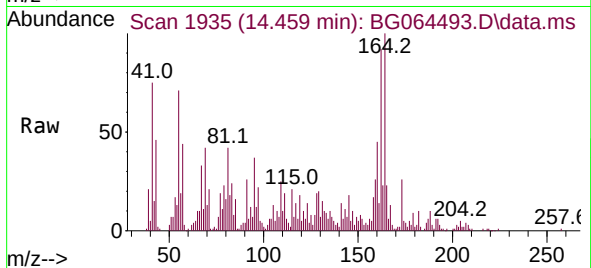
Tgt Ion:164 Resp: 60802

Ion Ratio Lower Upper

164 100

162 92.0 82.2 123.2

160 45.5 34.3 51.5



#42

2,4,6-Tribromophenol

Concen: 134.050 ng

RT: 15.946 min Scan# 2188

Delta R.T. 0.011 min

Lab File: BG064493.D

Acq: 3 Oct 2025 18:59

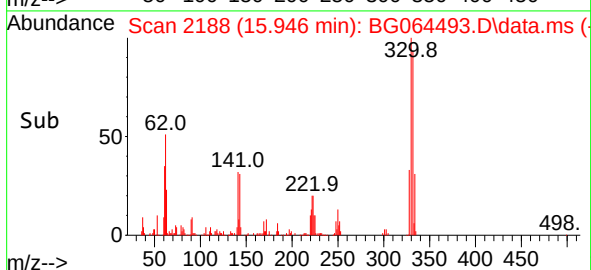
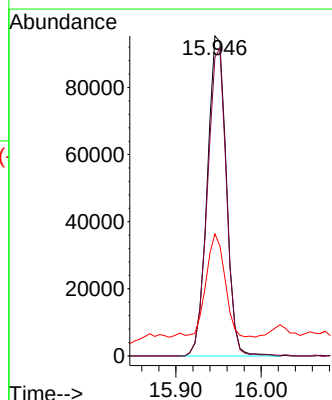
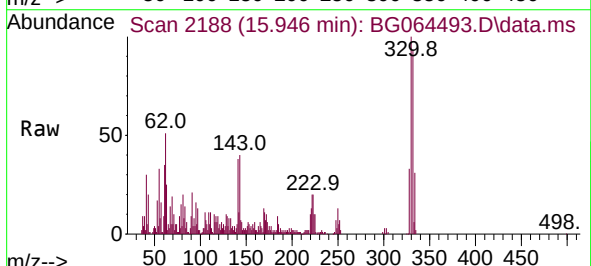
Tgt Ion:330 Resp: 147739

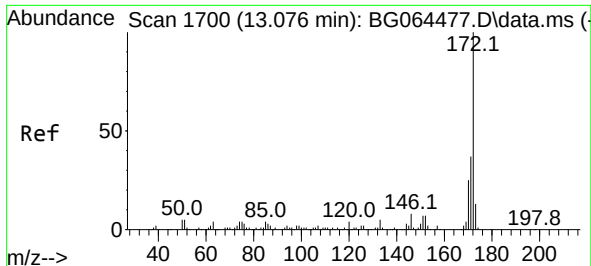
Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

141 34.0 25.8 38.6

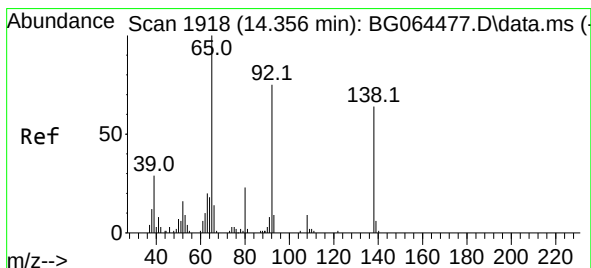
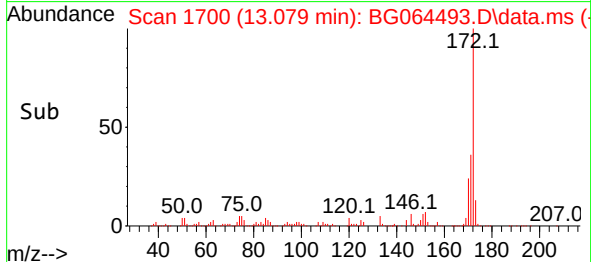
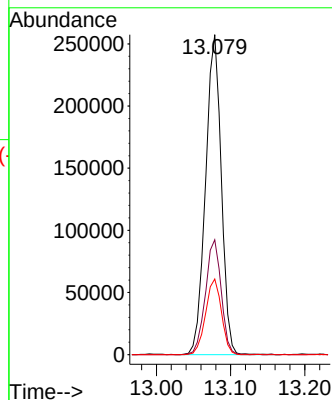
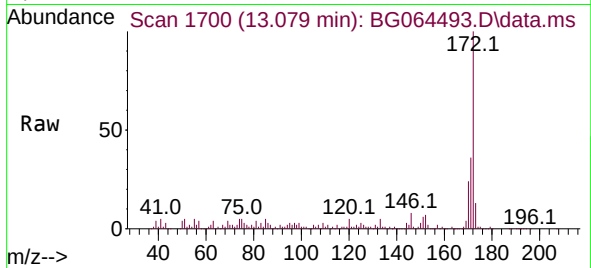




#45
2-Fluorobiphenyl
Concen: 91.713 ng
RT: 13.079 min Scan# 1700
Delta R.T. 0.011 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

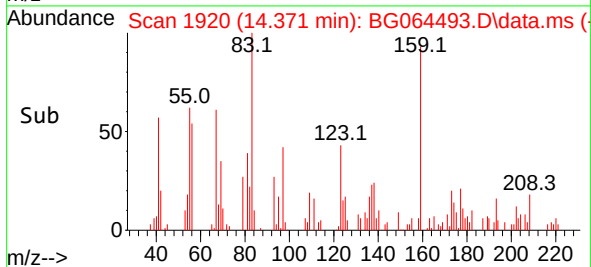
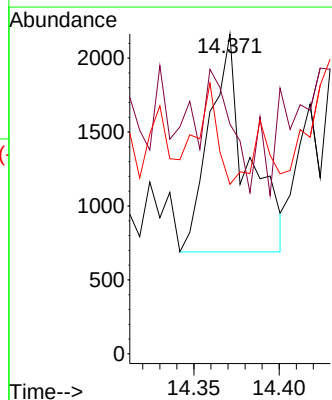
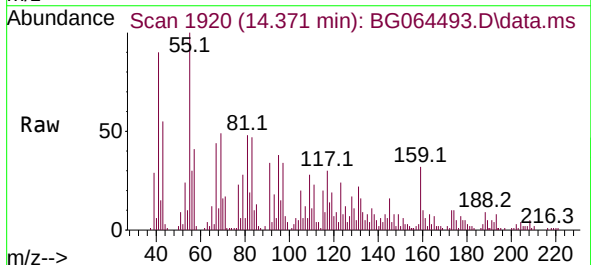
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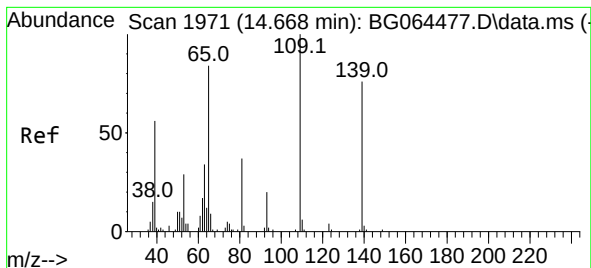
Tgt Ion:172 Resp: 378313
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.6 20.2 30.2



#53
3-Nitroaniline
Concen: 2.488 ng
RT: 14.371 min Scan# 1920
Delta R.T. 0.023 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion:138 Resp: 2276
Ion Ratio Lower Upper
138 100
108 71.8 10.6 15.8#
92 53.0 93.2 139.8#

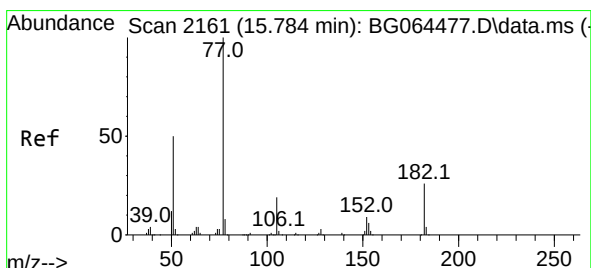
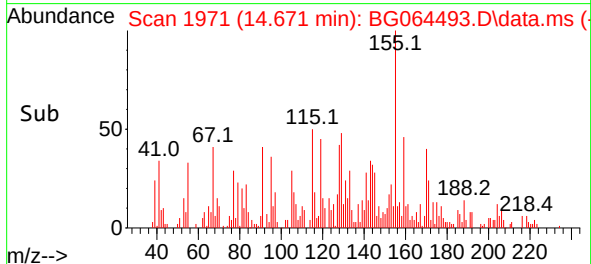
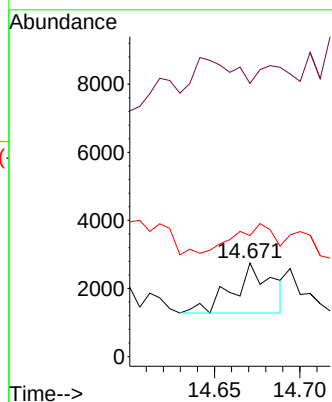
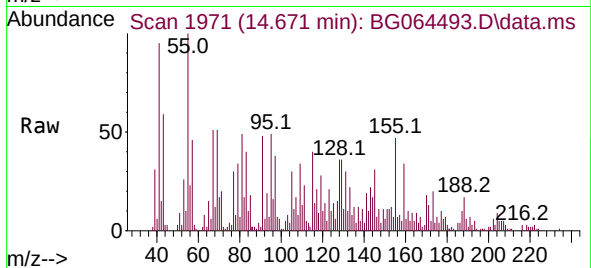




#56
4-Nitrophenol
Concen: 3.227 ng
RT: 14.671 min Scan# 1971
Delta R.T. 0.005 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

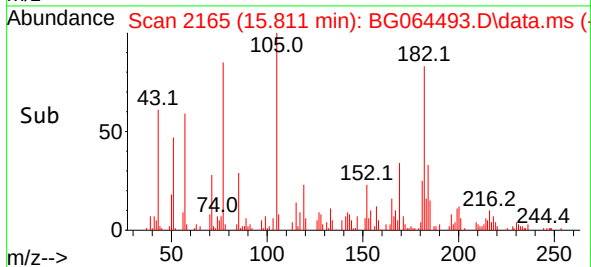
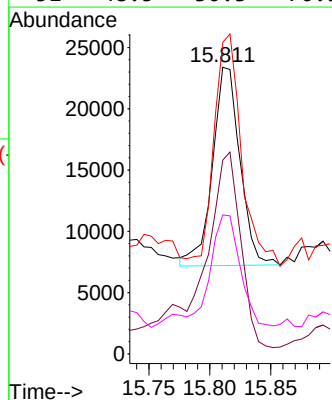
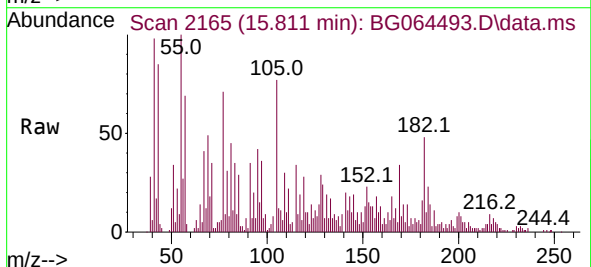
Instrument :
BNA_G
ClientSampleId :
MW1

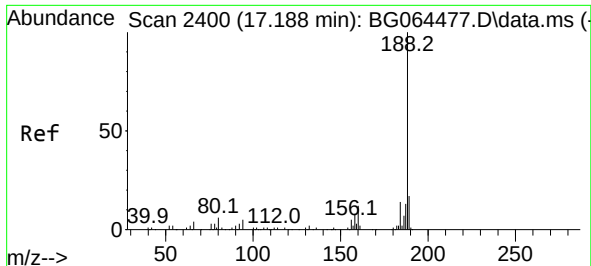
Tgt Ion:139 Resp: 2324
Ion Ratio Lower Upper
139 100
109 292.0 111.8 151.8#
65 129.3 91.1 131.1



#63
Azobenzene
Concen: 6.416 ng
RT: 15.811 min Scan# 2165
Delta R.T. 0.029 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion: 77 Resp: 25384
Ion Ratio Lower Upper
77 100
182 67.6 6.3 46.3#
105 108.7 0.0 38.7#
51 48.5 30.3 70.3

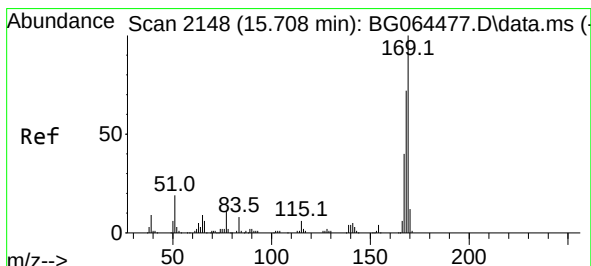
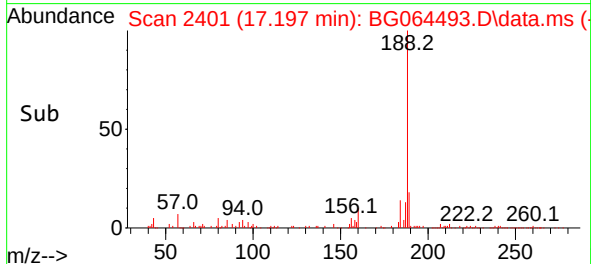
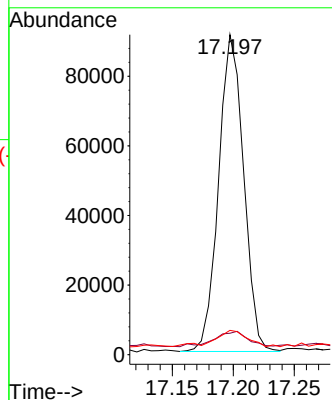
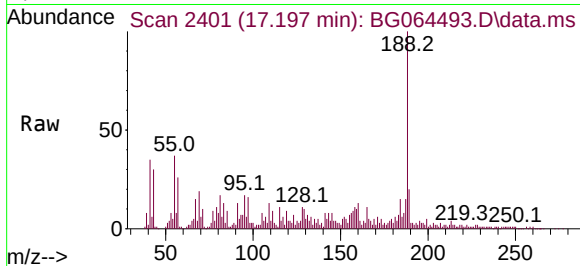




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.197 min Scan# 24
Delta R.T. 0.011 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

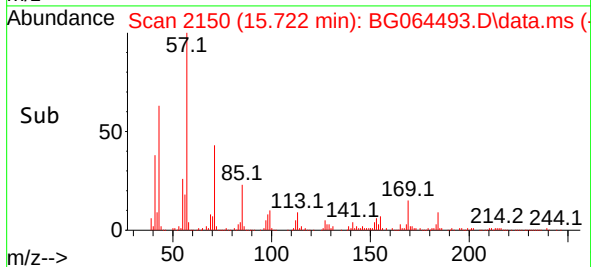
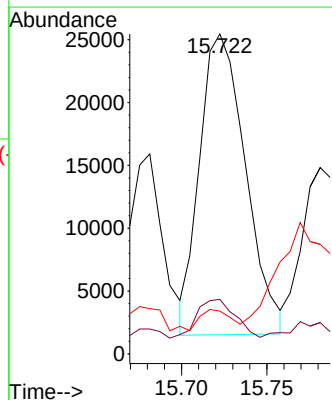
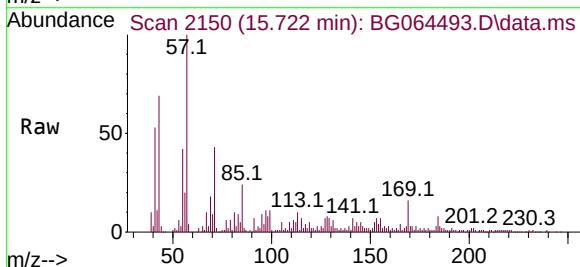
Instrument :
BNA_G
ClientSampleId :
MW1

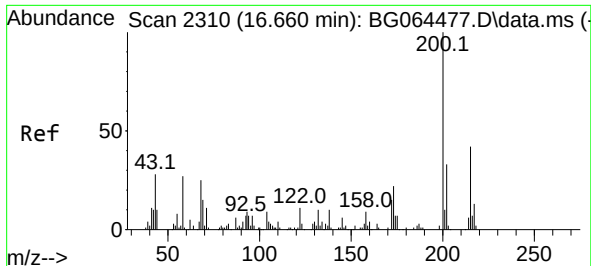
Tgt Ion:188 Resp: 129947
Ion Ratio Lower Upper
188 100
94 6.7 3.7 5.5#
80 7.6 4.5 6.7#



#66
n-Nitrosodiphenylamine
Concen: 12.869 ng
RT: 15.722 min Scan# 2150
Delta R.T. 0.017 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion:169 Resp: 44658
Ion Ratio Lower Upper
169 100
168 17.0 57.8 86.6#
167 13.4 31.7 47.5#

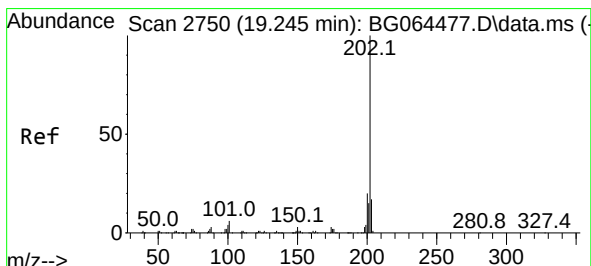
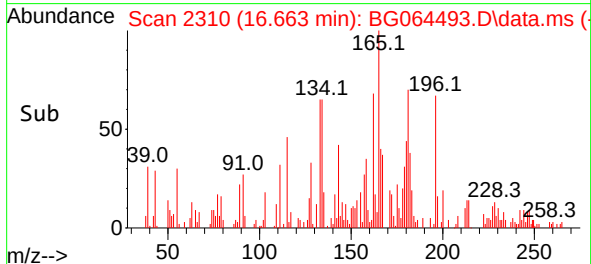
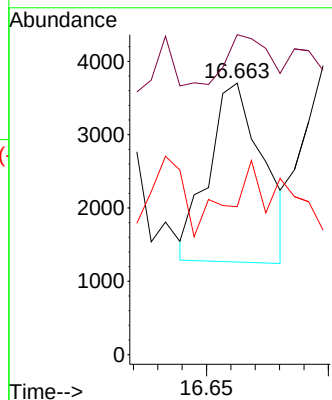
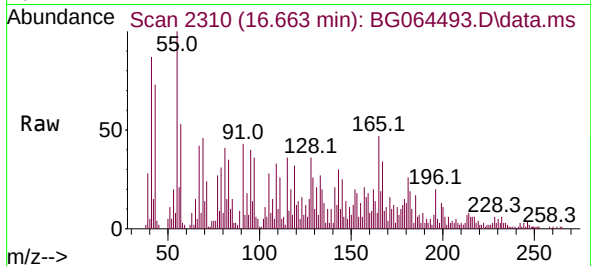




#69
 Atrazine
 Concen: 2.437 ng
 RT: 16.663 min Scan# 21
 Delta R.T. 0.011 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

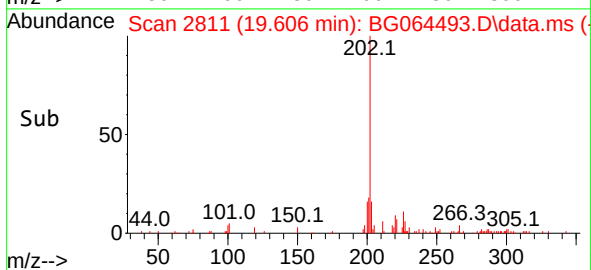
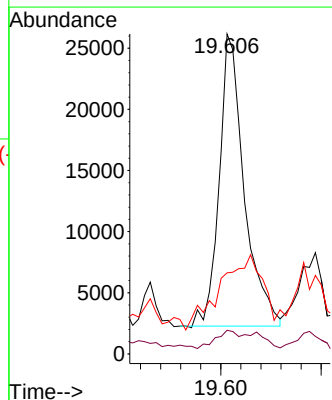
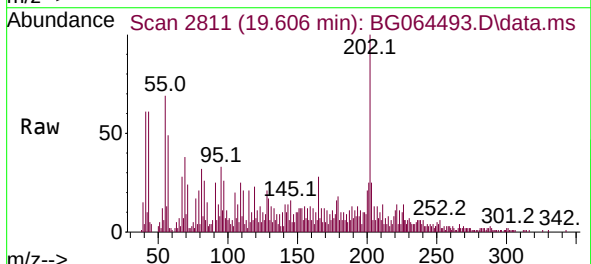
Instrument :
 BNA_G
 ClientSampleId :
 MW1

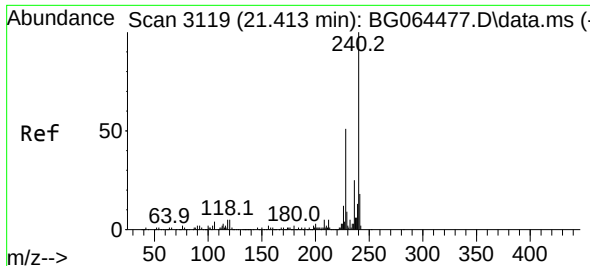
Tgt Ion:200 Resp: 3763
 Ion Ratio Lower Upper
 200 100
 173 117.9 2.5 42.5#
 215 54.5 21.5 61.5



#75
 Fluoranthene
 Concen: 5.080 ng
 RT: 19.606 min Scan# 2811
 Delta R.T. 0.370 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

Tgt Ion:202 Resp: 41244
 Ion Ratio Lower Upper
 202 100
 101 7.4 0.0 25.7
 203 25.3 0.0 36.6

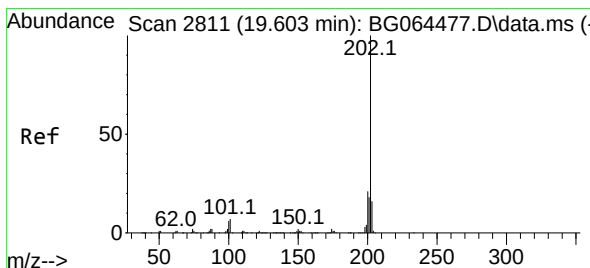
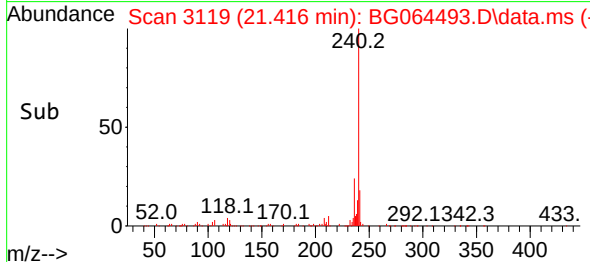
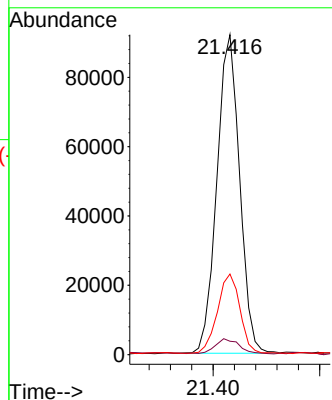
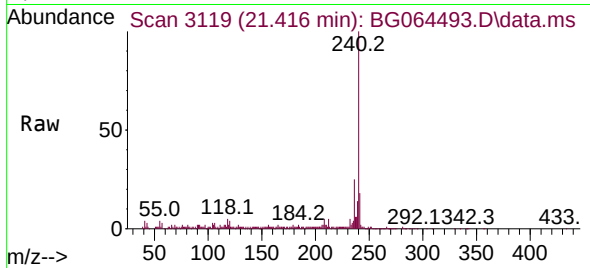




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

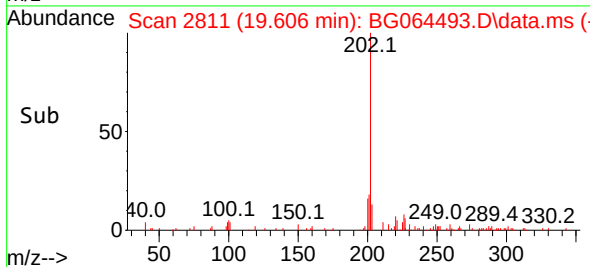
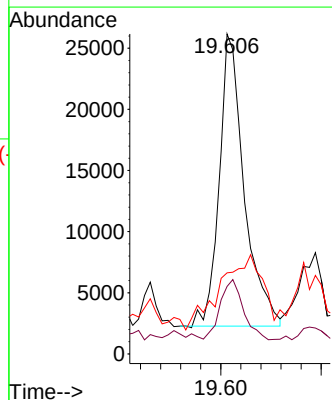
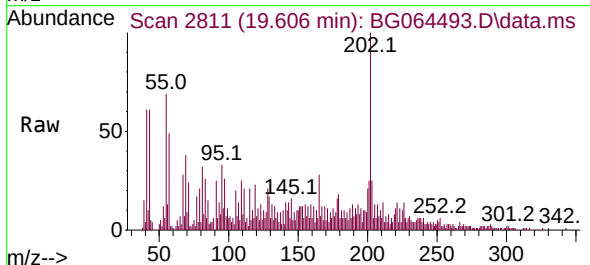
Instrument :
BNA_G
ClientSampleId :
MW1

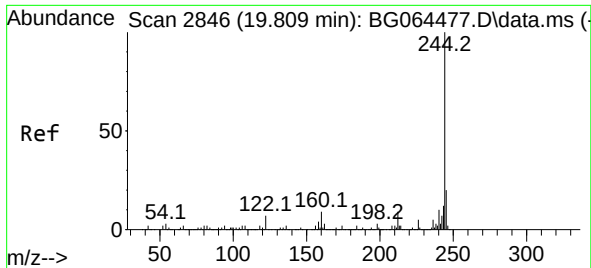
Tgt Ion:240 Resp: 136555
Ion Ratio Lower Upper
240 100
120 4.2 4.3 6.5#
236 25.2 20.4 30.6



#78
Pyrene
Concen: 4.654 ng
RT: 19.606 min Scan# 2811
Delta R.T. 0.005 min
Lab File: BG064493.D
Acq: 3 Oct 2025 18:59

Tgt Ion:202 Resp: 41244
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 25.3 13.0 19.4#

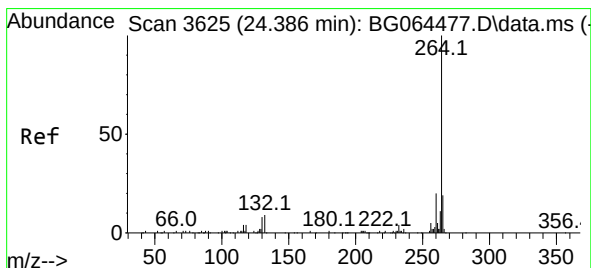
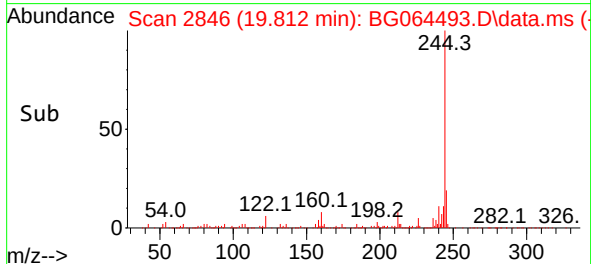
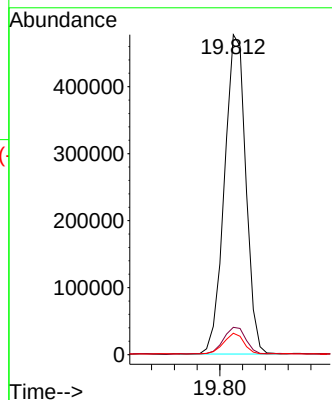
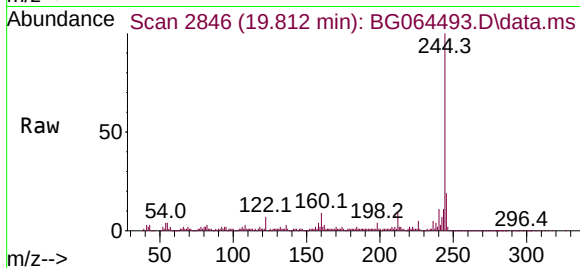




#79
 Terphenyl-d14
 Concen: 86.312 ng
 RT: 19.812 min Scan# 2846
 Delta R.T. 0.005 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

Instrument :
 BNA_G
 ClientSampleId :
 MW1

Tgt Ion:244 Resp: 622795
 Ion Ratio Lower Upper
 244 100
 212 8.5 7.0 10.6
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.389 min Scan# 3625
 Delta R.T. -0.000 min
 Lab File: BG064493.D
 Acq: 3 Oct 2025 18:59

Tgt Ion:264 Resp: 149983
 Ion Ratio Lower Upper
 264 100
 260 24.4 16.2 24.4#
 265 22.5 15.0 22.4#

