

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
 Data File : BG064494.D
 Acq On : 3 Oct 2025 19:40
 Operator : RC/JU
 Sample : Q3274-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW4

Quant Time: Oct 04 00:00:42 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)

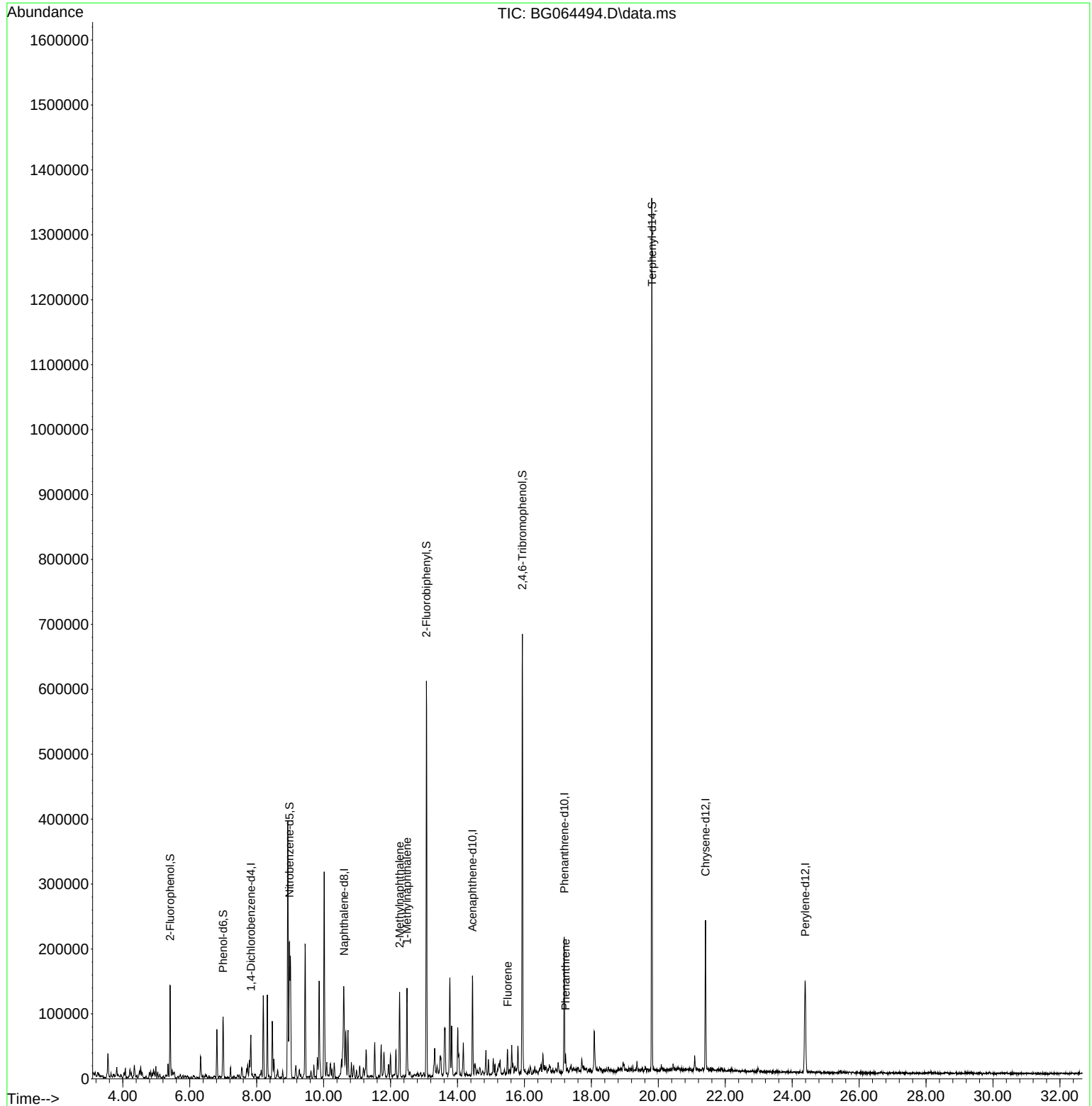
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	15257	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	63069	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	49495	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	127112	20.000	ng	0.00
76) Chrysene-d12	21.408	240	134148	20.000	ng	0.00
86) Perylene-d12	24.387	264	147315	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	51725	62.743	ng	0.00
7) Phenol-d6	6.996	99	41514	37.472	ng	0.00
23) Nitrobenzene-d5	8.982	82	106151	90.500	ng	0.02
42) 2,4,6-Tribromophenol	15.938	330	134254	149.642	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	300588	89.518	ng	0.00
79) Terphenyl-d14	19.810	244	631565	89.098	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.272	142	61166	24.535	ng	91
38) 1-Methylnaphthalene	12.489	142	55919	22.495	ng	91
58) Fluorene	15.498	166	13066	3.473	ng	90
71) Phenanthrene	17.231	178	16026	2.411	ng	95

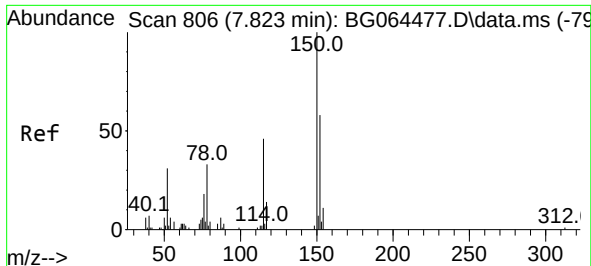
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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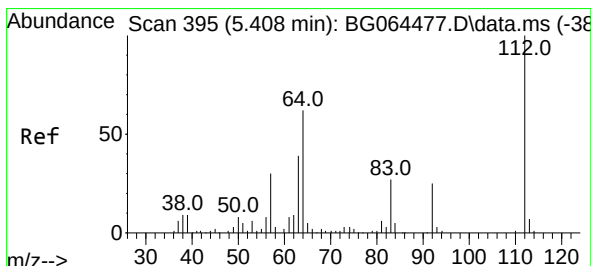
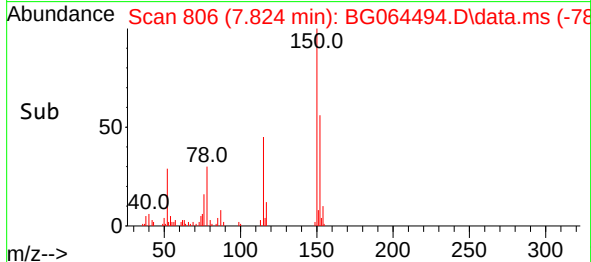
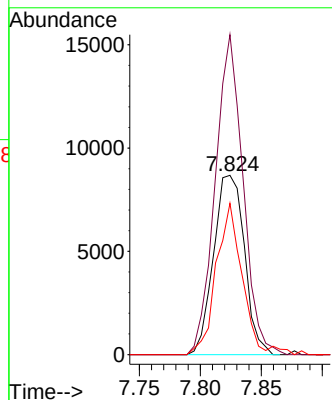
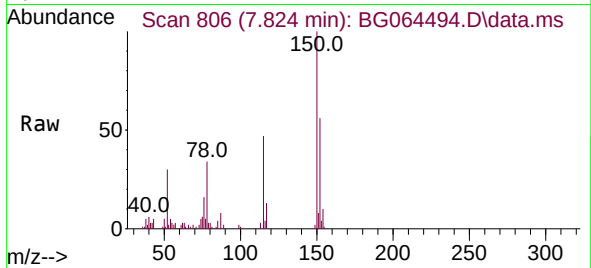




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.824 min Scan# 806
 Delta R.T. 0.004 min
 Lab File: BG064494.D
 Acq: 3 Oct 2025 19:40

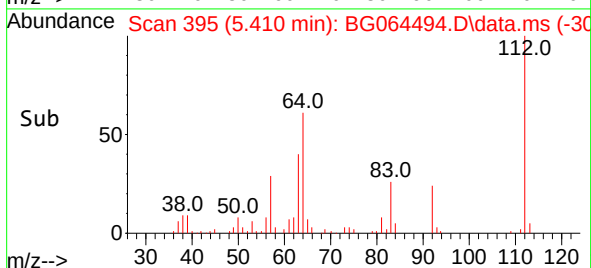
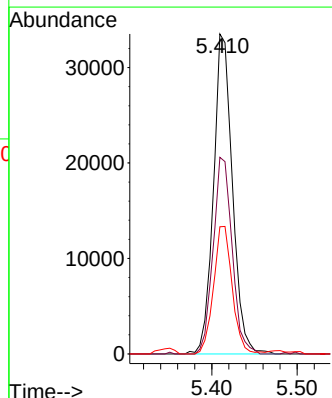
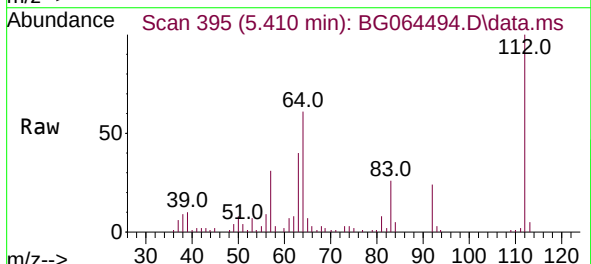
Instrument :
 BNA_G
 ClientSampleId :
 MW4

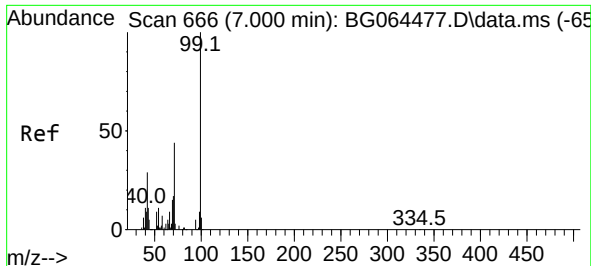
Tgt Ion:152 Resp: 15257
 Ion Ratio Lower Upper
 152 100
 150 178.5 138.6 207.8
 115 84.4 63.4 95.2



#5
 2-Fluorophenol
 Concen: 62.743 ng
 RT: 5.410 min Scan# 395
 Delta R.T. 0.004 min
 Lab File: BG064494.D
 Acq: 3 Oct 2025 19:40

Tgt Ion:112 Resp: 51725
 Ion Ratio Lower Upper
 112 100
 64 61.4 49.8 74.8
 63 39.7 31.3 46.9

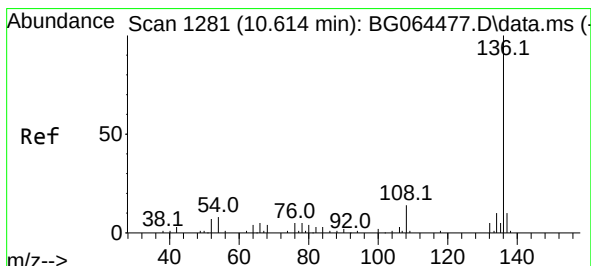
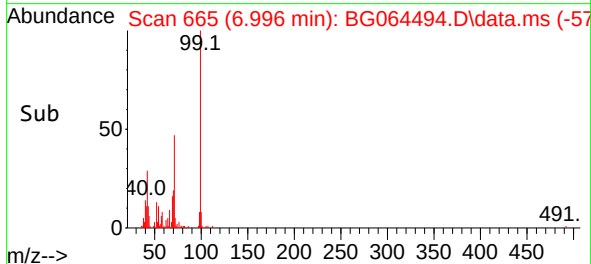
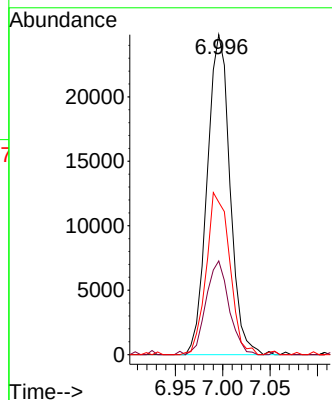
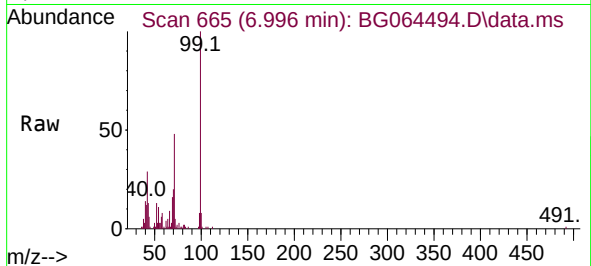




#7
Phenol-d6
Concen: 37.472 ng
RT: 6.996 min Scan# 60
Delta R.T. 0.010 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

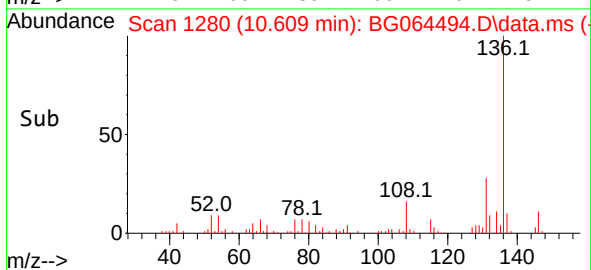
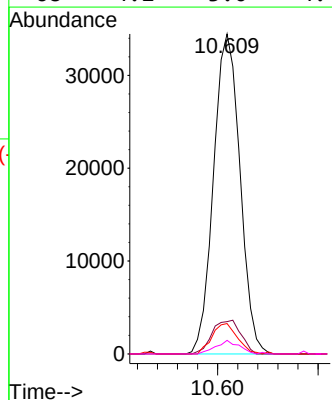
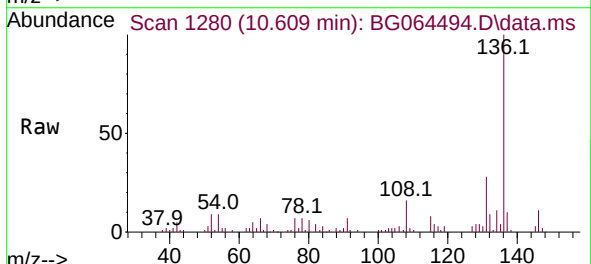
Instrument :
BNA_G
ClientSampleId :
MW4

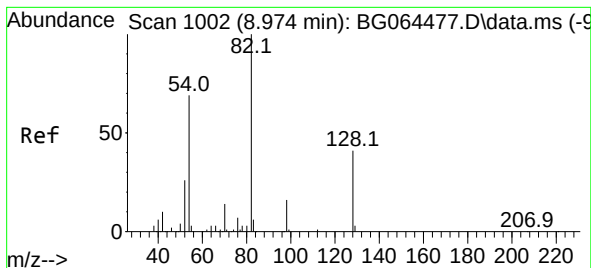
Tgt Ion: 99 Resp: 41514
Ion Ratio Lower Upper
99 100
42 29.3 22.9 34.3
71 47.6 35.4 53.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:136 Resp: 63069
Ion Ratio Lower Upper
136 100
137 10.1 8.3 12.5
54 9.5 6.2 9.4#
68 4.2 3.0 4.4





#23

Nitrobenzene-d5

Concen: 90.500 ng

RT: 8.982 min Scan# 1003

Delta R.T. 0.016 min

Lab File: BG064494.D

Acq: 3 Oct 2025 19:40

Instrument :

BNA_G

ClientSampleId :

MW4

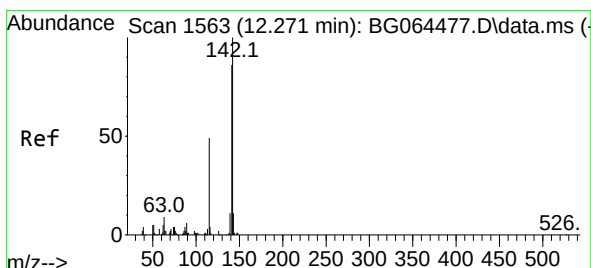
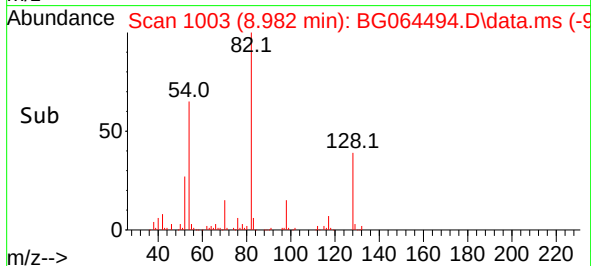
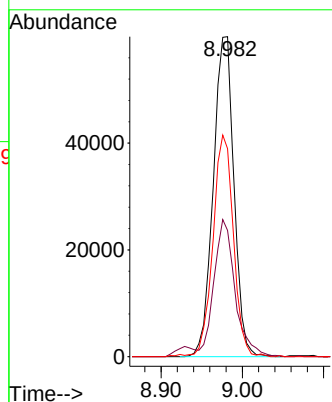
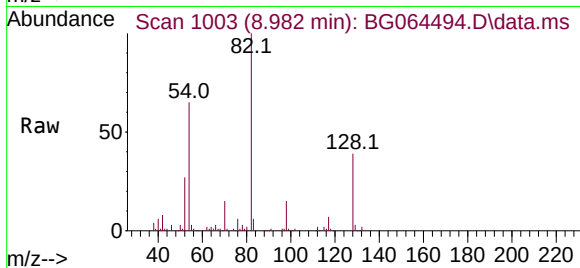
Tgt Ion: 82 Resp: 106151

Ion Ratio Lower Upper

82 100

128 39.4 33.1 49.7

54 65.0 55.4 83.2



#37

2-Methylnaphthalene

Concen: 24.535 ng

RT: 12.272 min Scan# 1563

Delta R.T. 0.004 min

Lab File: BG064494.D

Acq: 3 Oct 2025 19:40

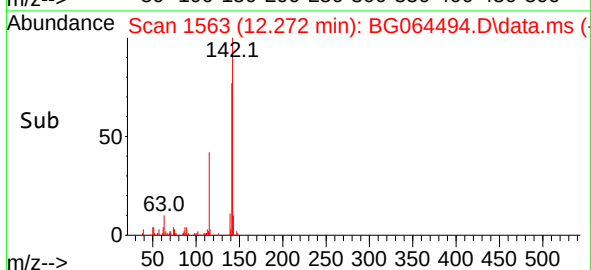
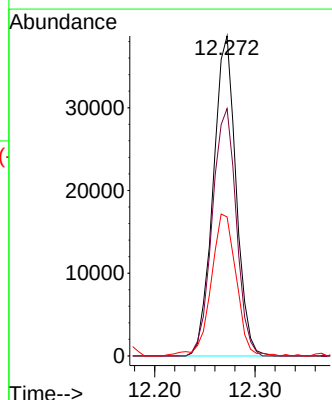
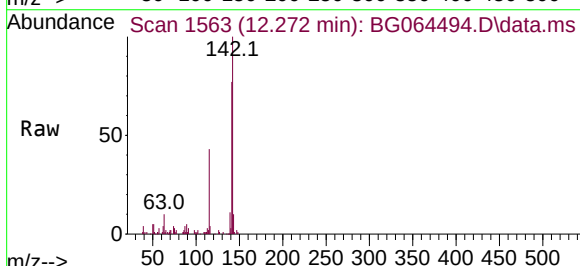
Tgt Ion:142 Resp: 61166

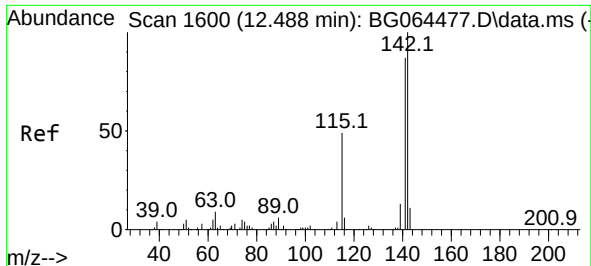
Ion Ratio Lower Upper

142 100

141 77.3 68.7 103.1

115 43.4 39.3 58.9

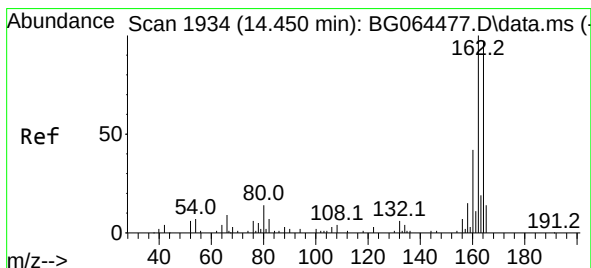
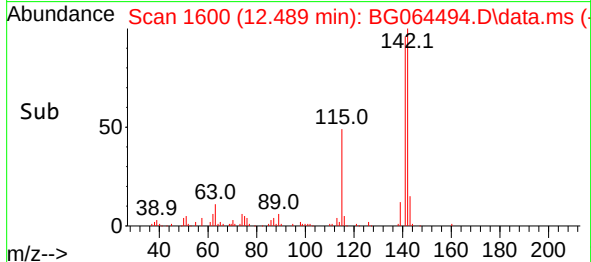
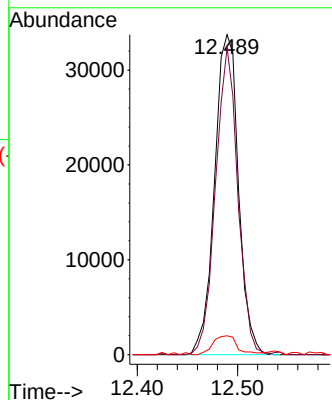
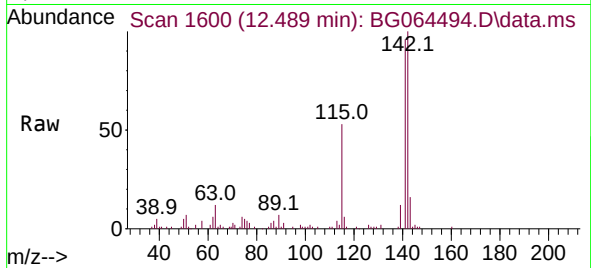




#38
1-Methylnaphthalene
Concen: 22.495 ng
RT: 12.489 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

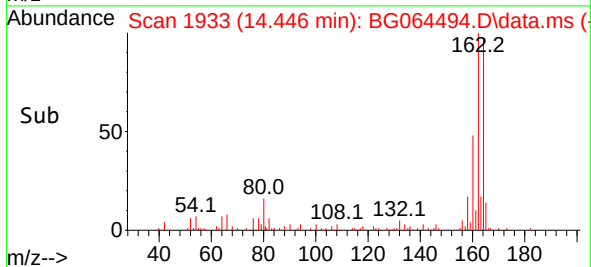
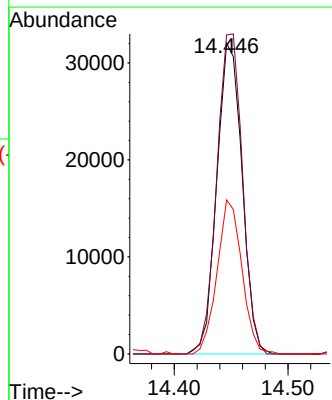
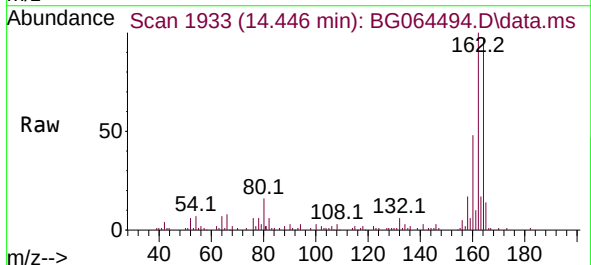
Instrument :
BNA_G
ClientSampleId :
MW4

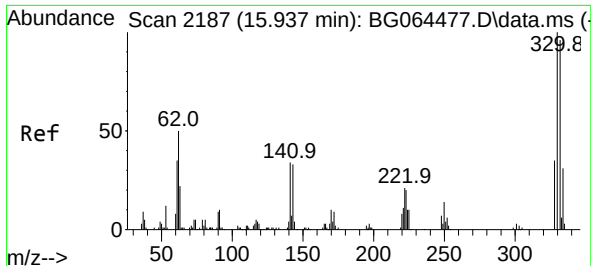
Tgt Ion:	142	Resp:	55919
Ion Ratio	Lower	Upper	
142	100		
141	95.9	69.8	104.8
116	5.9	4.6	6.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

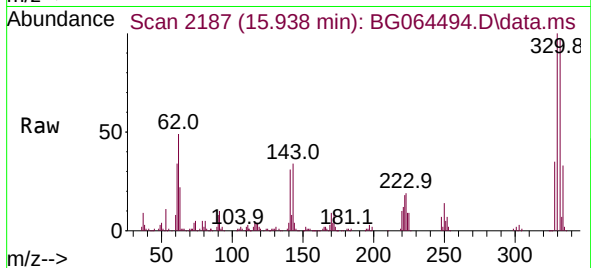
Tgt Ion:	164	Resp:	49495
Ion Ratio	Lower	Upper	
164	100		
162	102.7	82.2	123.2
160	49.6	34.3	51.5



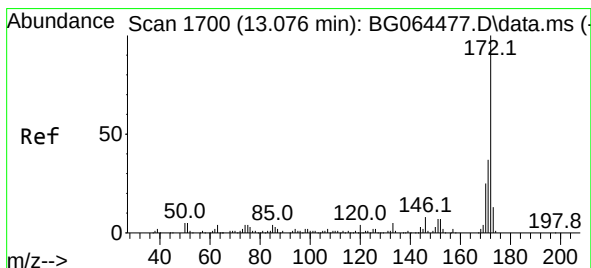
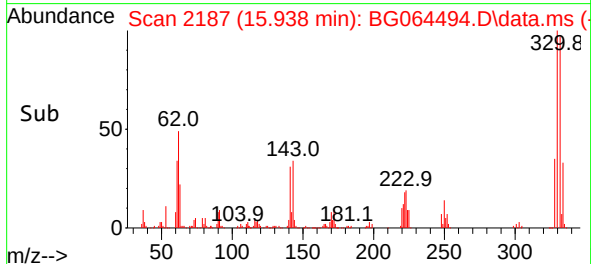
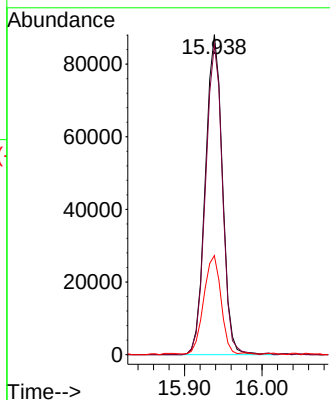


#42
2,4,6-Tribromophenol
Concen: 149.642 ng
RT: 15.938 min Scan# 2187
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

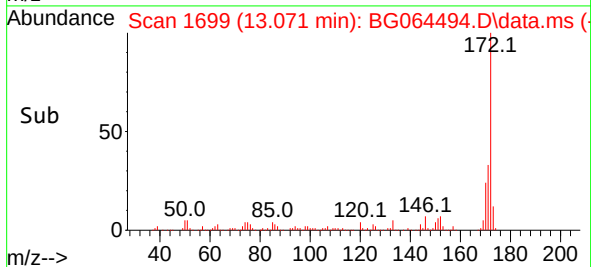
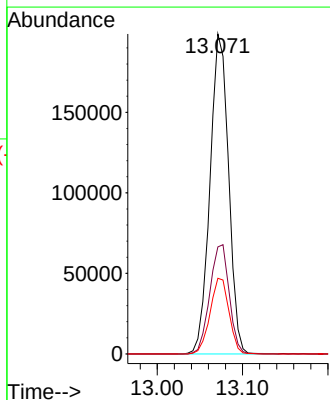
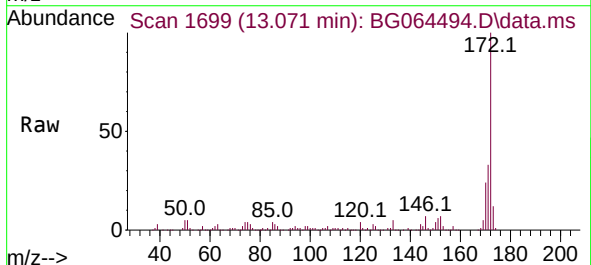


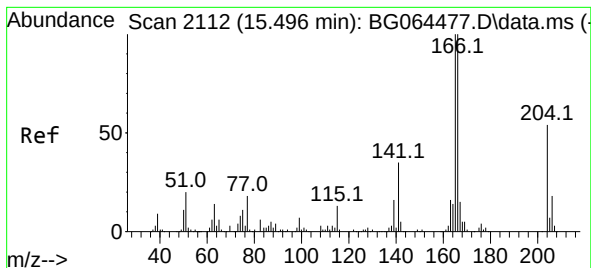
Tgt Ion:330 Resp: 134254
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.0
141 31.2 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 89.518 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:172 Resp: 300588
Ion Ratio Lower Upper
172 100
171 33.5 29.6 44.4
170 23.6 20.2 30.2





#58

Fluorene

Concen: 3.473 ng

RT: 15.498 min Scan# 2112

Delta R.T. 0.004 min

Lab File: BG064494.D

Acq: 3 Oct 2025 19:40

Instrument :

BNA_G

ClientSampleId :

MW4

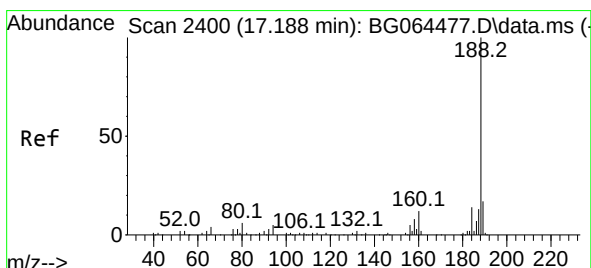
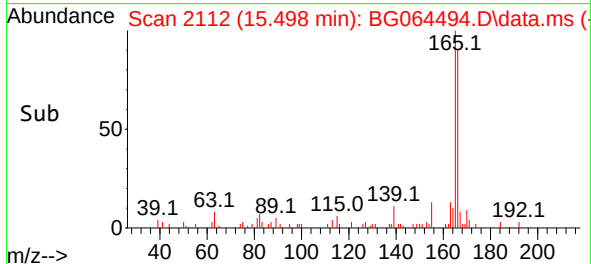
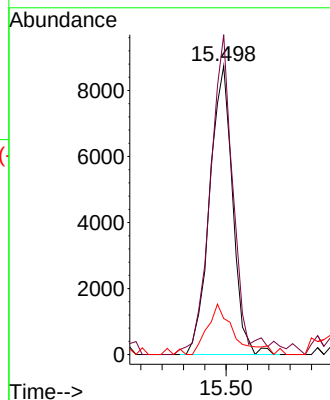
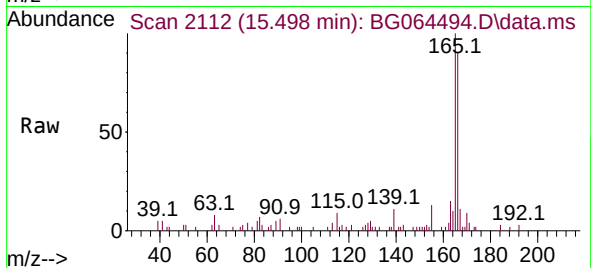
Tgt Ion:166 Resp: 13066

Ion Ratio Lower Upper

166 100

165 110.8 79.8 119.6

167 12.5 11.7 17.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.190 min Scan# 2400

Delta R.T. 0.004 min

Lab File: BG064494.D

Acq: 3 Oct 2025 19:40

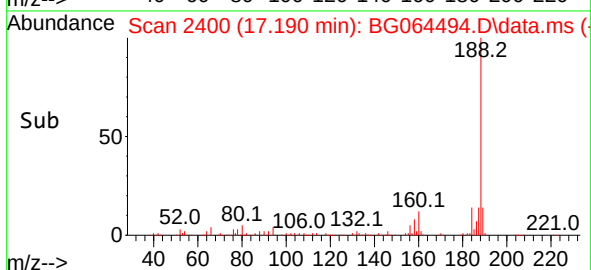
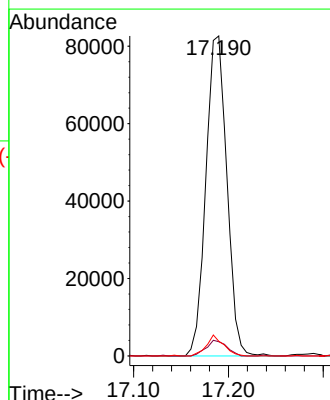
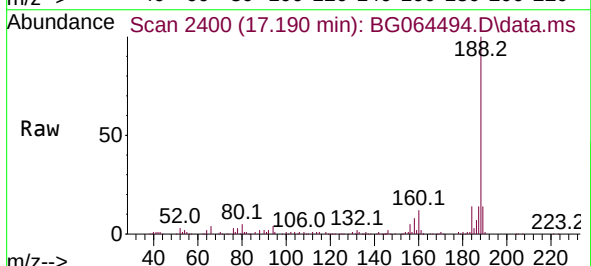
Tgt Ion:188 Resp: 127112

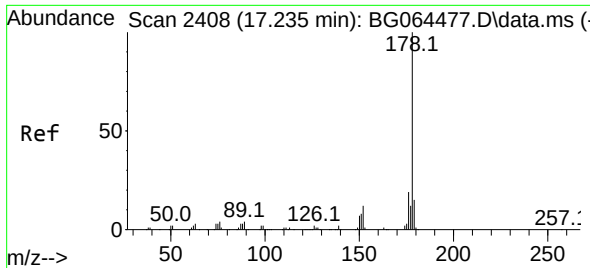
Ion Ratio Lower Upper

188 100

94 4.4 3.7 5.5

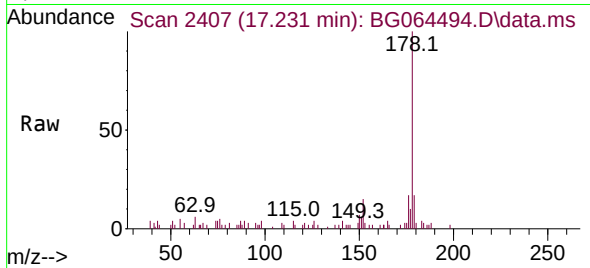
80 4.6 4.5 6.7



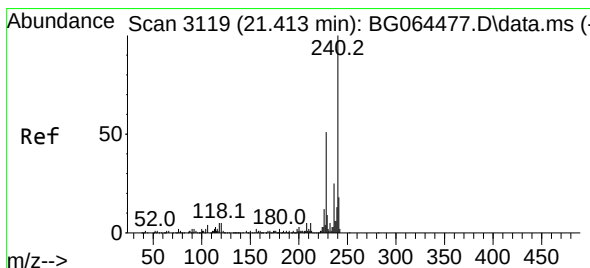
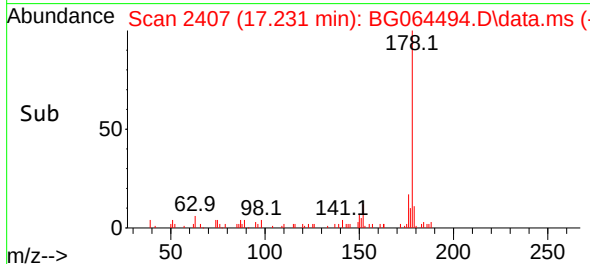
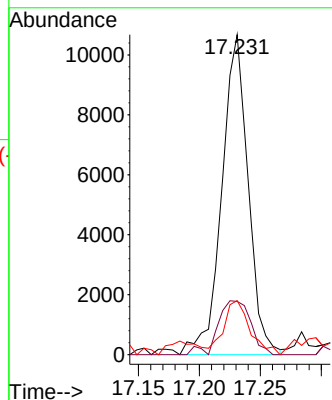


#71
Phenanthrene
Concen: 2.411 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

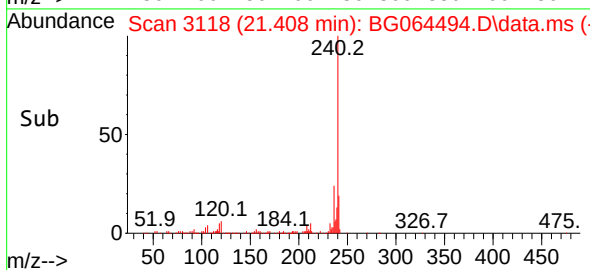
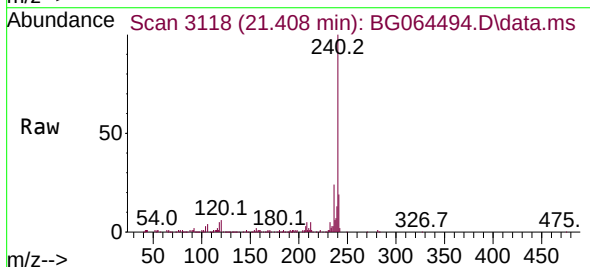
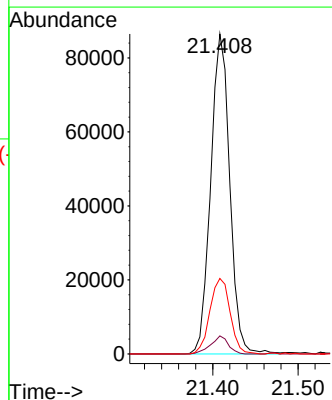


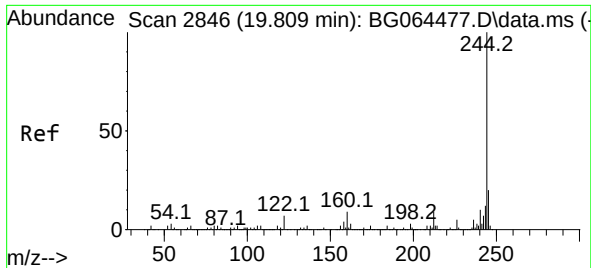
Tgt Ion:178 Resp: 16026
Ion Ratio Lower Upper
178 100
176 16.7 15.2 22.8
179 16.9 11.8 17.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:240 Resp: 134148
Ion Ratio Lower Upper
240 100
120 5.6 4.3 6.5
236 23.6 20.4 30.6

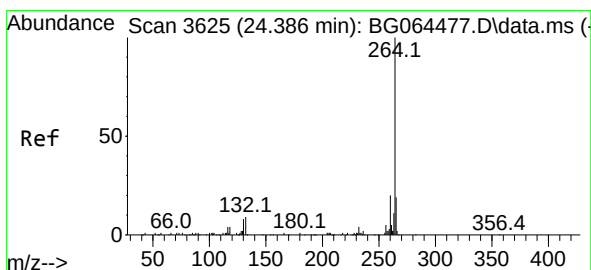
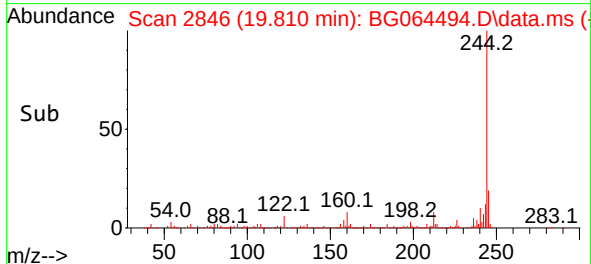
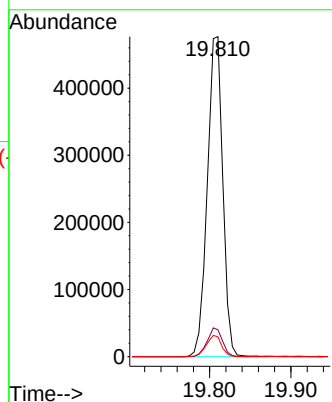
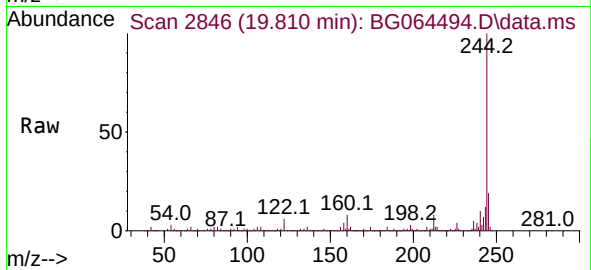




#79
 Terphenyl-d14
 Concen: 89.098 ng
 RT: 19.810 min Scan# 2846
 Delta R.T. 0.004 min
 Lab File: BG064494.D
 Acq: 3 Oct 2025 19:40

Instrument :
 BNA_G
 ClientSampleId :
 MW4

Tgt Ion:244 Resp: 631565
 Ion Ratio Lower Upper
 244 100
 212 8.4 7.0 10.6
 122 6.2 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.387 min Scan# 3625
 Delta R.T. -0.002 min
 Lab File: BG064494.D
 Acq: 3 Oct 2025 19:40

Tgt Ion:264 Resp: 147315
 Ion Ratio Lower Upper
 264 100
 260 24.6 16.2 24.4#
 265 19.0 15.0 22.4

