

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064717.D
 Acq On : 7 Nov 2025 14:53
 Operator : RC/JU
 Sample : Q3537-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Quant Time: Nov 07 15:31:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.199	152	31803	20.000	ng	-0.02
21) Naphthalene-d8	11.025	136	113298	20.000	ng	#-0.02
39) Acenaphthene-d10	14.827	164	95547	20.000	ng	-0.02
64) Phenanthrene-d10	17.559	188	229407	20.000	ng	#-0.02
76) Chrysene-d12	21.830	240	290569	20.000	ng	#-0.03
86) Perylene-d12	25.156	264	317845	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.738	112	252233	133.123	ng	-0.01
7) Phenol-d6	7.342	99	305571	117.529	ng	-0.01
23) Nitrobenzene-d5	9.369	82	228798	121.293	ng	-0.02
42) 2,4,6-Tribromophenol	16.308	330	268685	194.836	ng	-0.01
45) 2-Fluorobiphenyl	13.452	172	637542	101.139	ng	-0.02
79) Terphenyl-d14	20.150	244	1563803	101.565	ng	-0.02

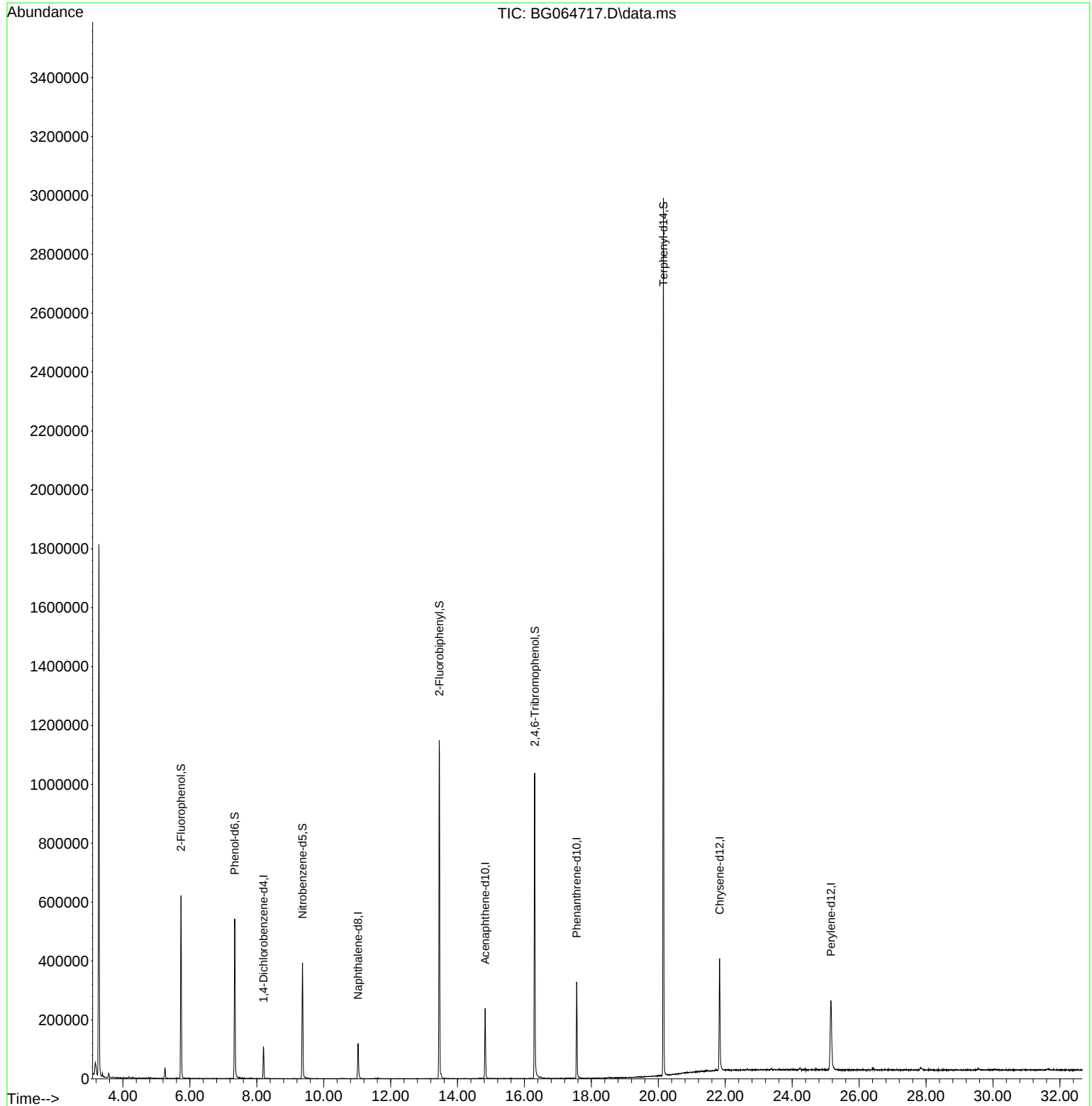
Target Compounds	Qvalue

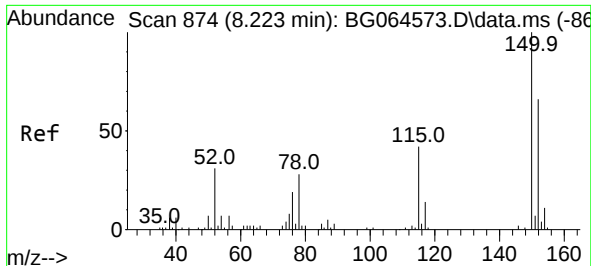
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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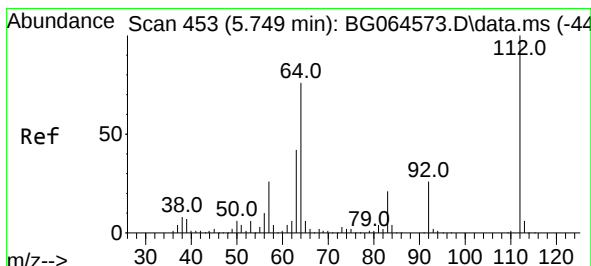
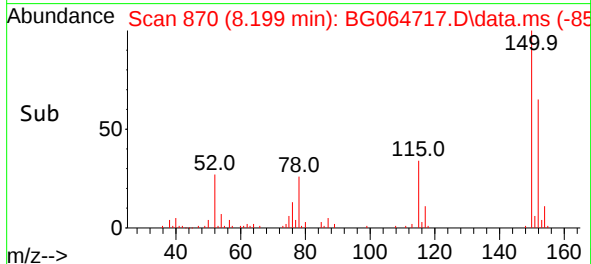
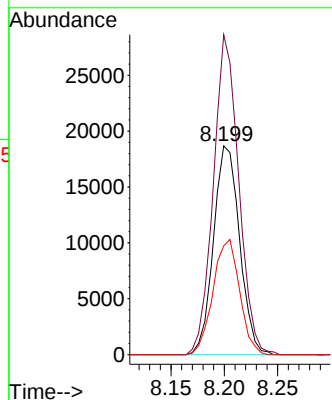
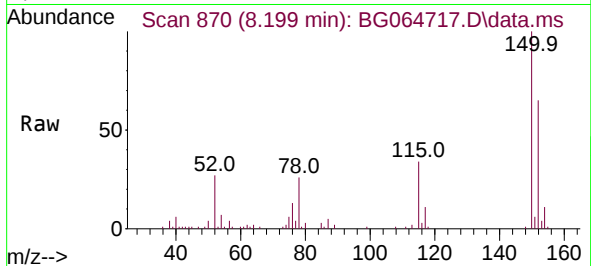




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.199 min Scan# 81
Delta R.T. -0.024 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

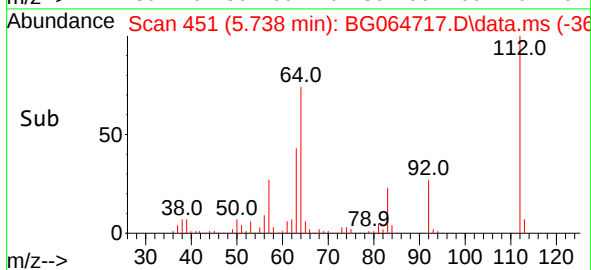
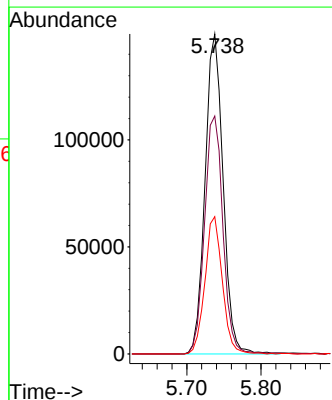
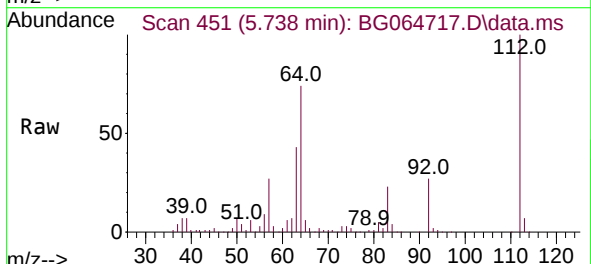
Instrument :
BNA_G
ClientSampleId :
MW-17-SOIL

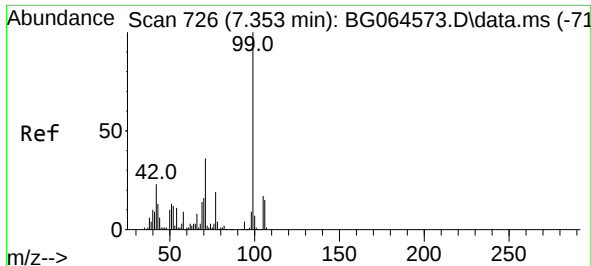
Tgt Ion:152 Resp: 31803
Ion Ratio Lower Upper
152 100
150 153.3 122.2 183.4
115 52.1 50.8 76.2



#5
2-Fluorophenol
Concen: 133.123 ng
RT: 5.738 min Scan# 451
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:112 Resp: 252233
Ion Ratio Lower Upper
112 100
64 74.3 60.7 91.1
63 42.9 33.4 50.0





#7
Phenol-d6
Concen: 117.529 ng
RT: 7.342 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

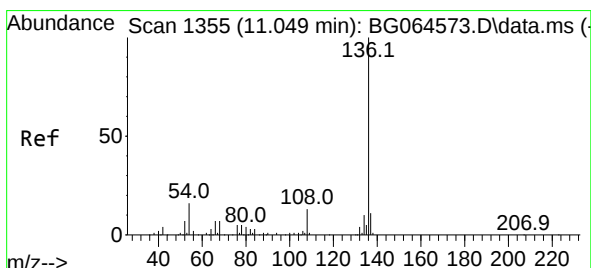
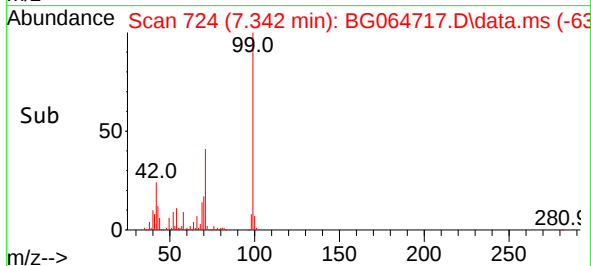
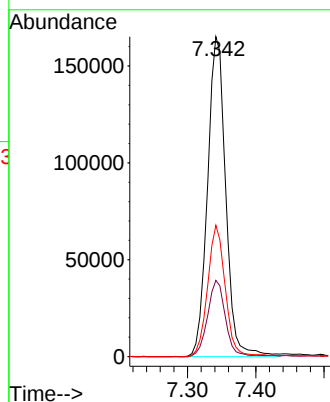
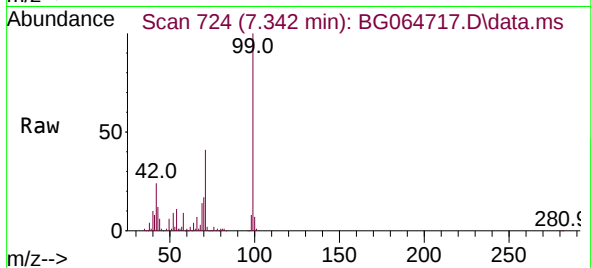
Instrument :

BNA_G

ClientSampleId :

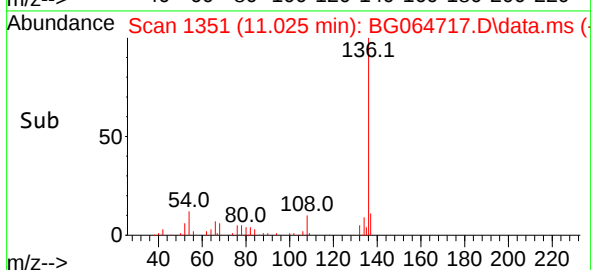
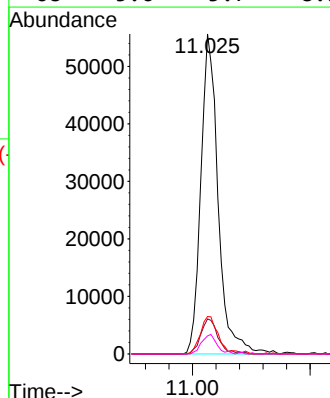
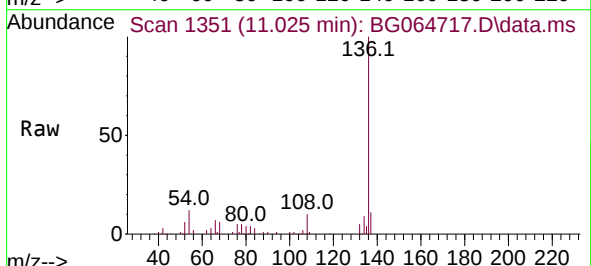
MW-17-SOIL

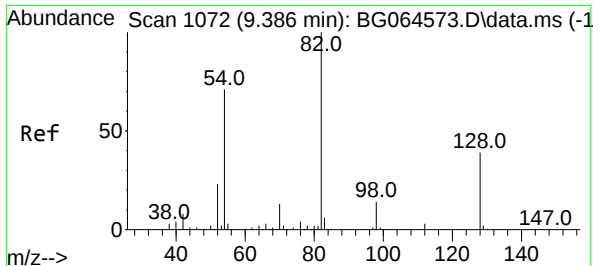
Tgt Ion: 99 Resp: 305571
Ion Ratio Lower Upper
99 100
42 23.8 18.3 27.5
71 41.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.025 min Scan# 1351
Delta R.T. -0.024 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion: 136 Resp: 113298
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 11.7 12.6 19.0#
68 5.6 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 121.293 ng

RT: 9.369 min Scan# 1072

Delta R.T. -0.018 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

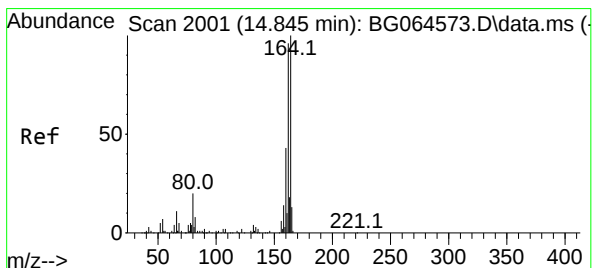
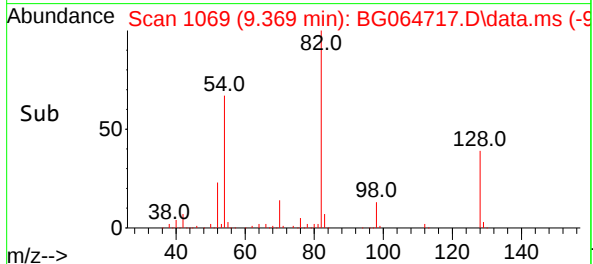
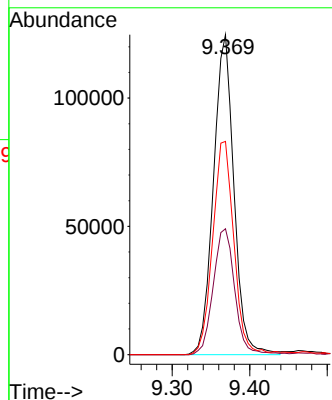
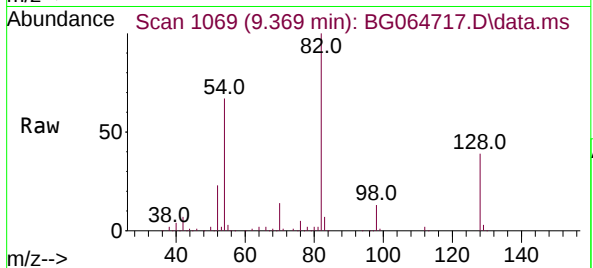
Tgt Ion: 82 Resp: 228798

Ion Ratio Lower Upper

82 100

128 39.3 31.3 46.9

54 66.6 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.827 min Scan# 1998

Delta R.T. -0.018 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

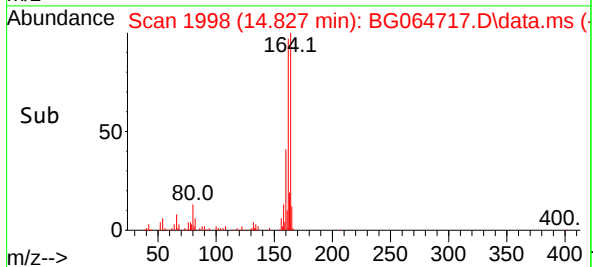
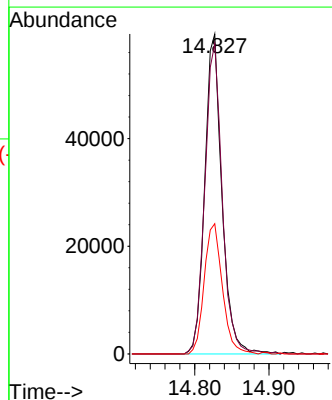
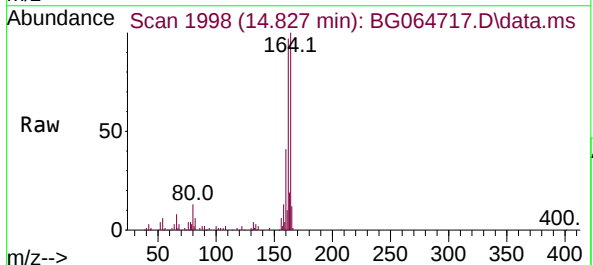
Tgt Ion:164 Resp: 95547

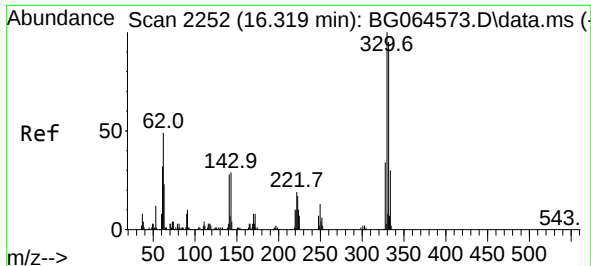
Ion Ratio Lower Upper

164 100

162 96.9 77.0 115.6

160 40.7 34.4 51.6

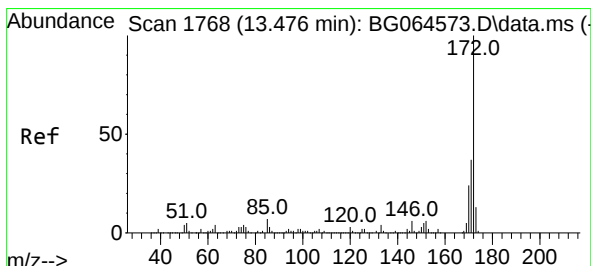
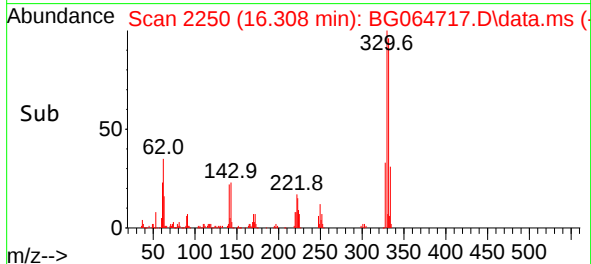
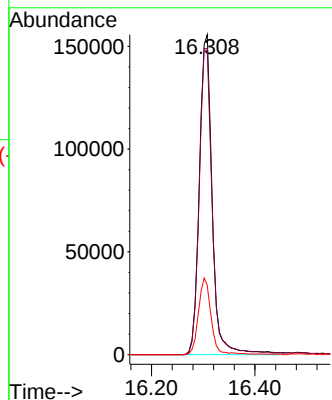
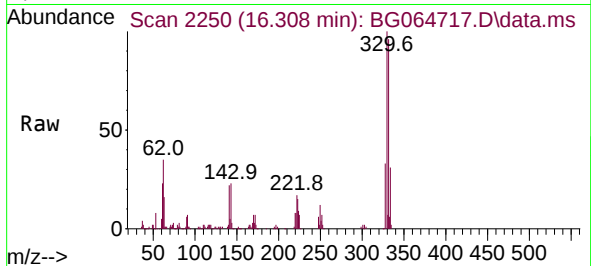




#42
2,4,6-Tribromophenol
Concen: 194.836 ng
RT: 16.308 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

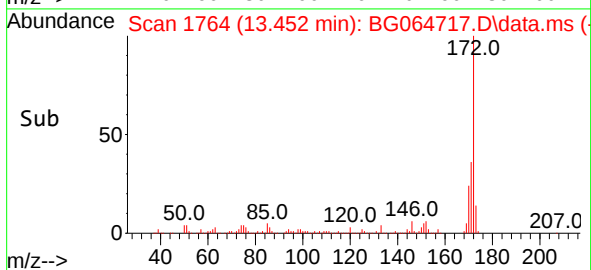
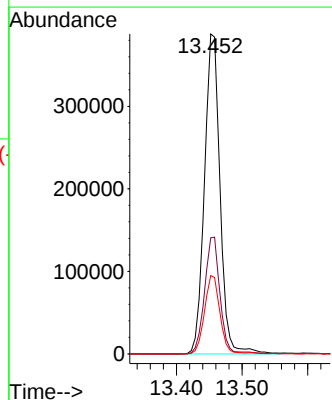
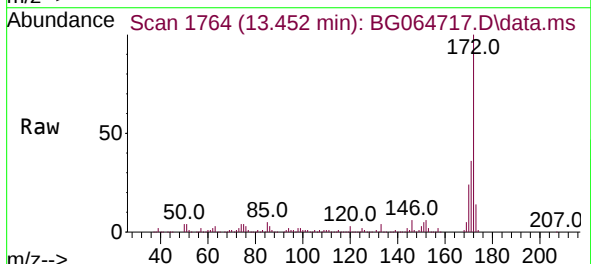
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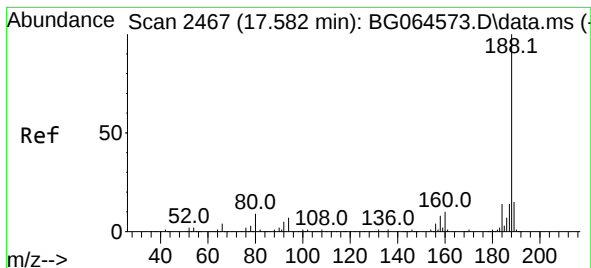
Tgt Ion:330 Resp: 268685
Ion Ratio Lower Upper
330 100
332 96.7 78.0 117.0
141 23.3 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 101.139 ng
RT: 13.452 min Scan# 1764
Delta R.T. -0.023 min
Lab File: BG064717.D
Acq: 7 Nov 2025 14:53

Tgt Ion:172 Resp: 637542
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.5 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.559 min Scan# 2463

Delta R.T. -0.023 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

Instrument :

BNA_G

ClientSampleId :

MW-17-SOIL

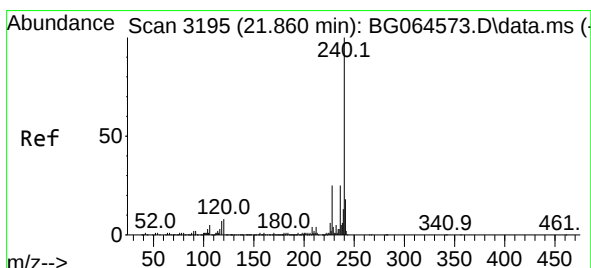
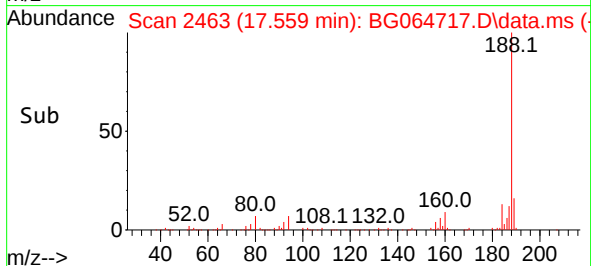
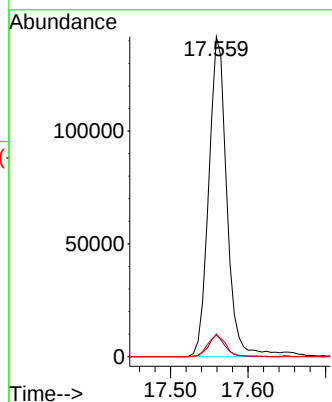
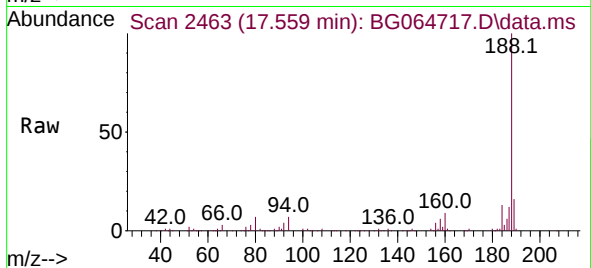
Tgt Ion:188 Resp: 229407

Ion Ratio Lower Upper

188 100

94 7.0 5.7 8.5

80 6.7 6.8 10.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.830 min Scan# 3190

Delta R.T. -0.029 min

Lab File: BG064717.D

Acq: 7 Nov 2025 14:53

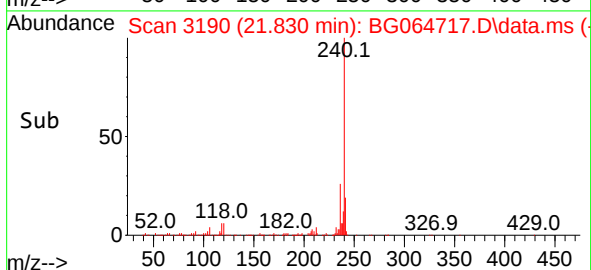
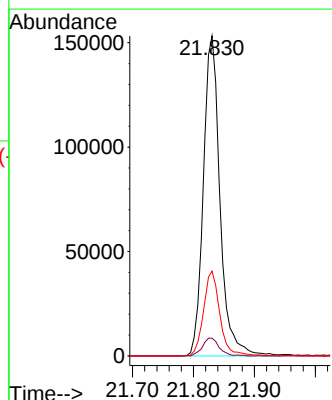
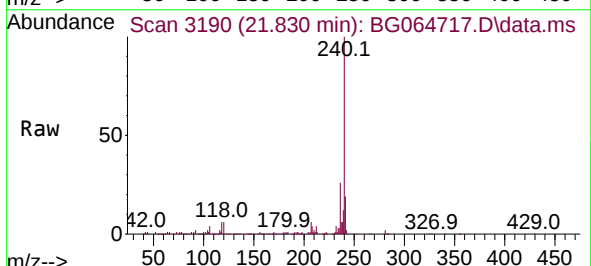
Tgt Ion:240 Resp: 290569

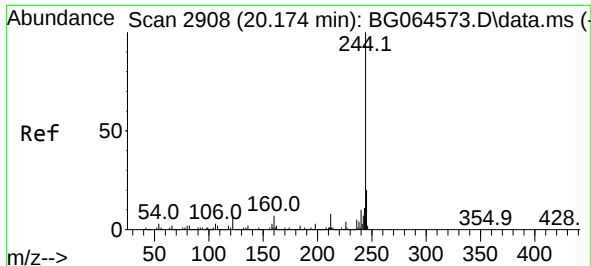
Ion Ratio Lower Upper

240 100

120 5.5 6.5 9.7#

236 26.5 20.2 30.2

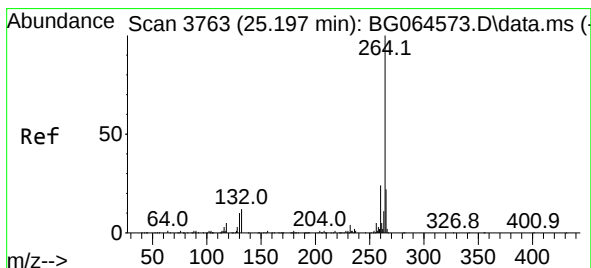
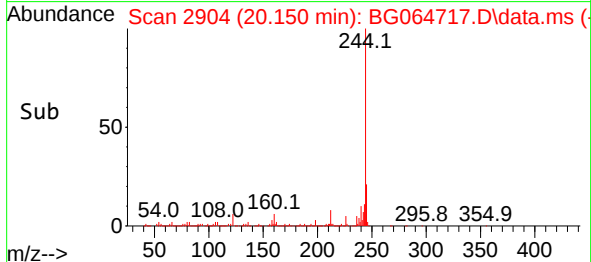
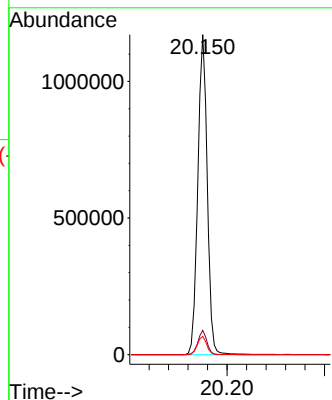
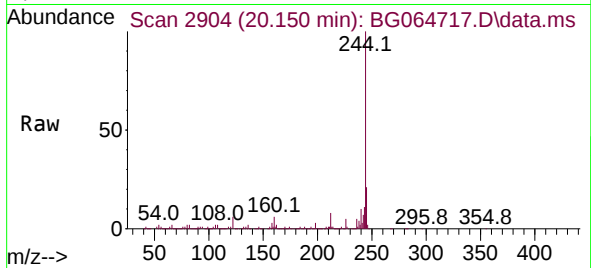




#79
 Terphenyl-d14
 Concen: 101.565 ng
 RT: 20.150 min Scan# 2904
 Delta R.T. -0.023 min
 Lab File: BG064717.D
 Acq: 7 Nov 2025 14:53

Instrument :
 BNA_G
 ClientSampleId :
 MW-17-SOIL

Tgt Ion:244 Resp: 1563803
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 5.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.156 min Scan# 3756
 Delta R.T. -0.041 min
 Lab File: BG064717.D
 Acq: 7 Nov 2025 14:53

Tgt Ion:264 Resp: 317845
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.6 17.6 26.4

