

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064623.D
 Acq On : 29 Oct 2025 14:50
 Operator : RC/JU
 Sample : Q3477-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOIL

Quant Time: Oct 29 15:49:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	30944	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	124089	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	93359	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	225706	20.000	ng	0.00
76) Chrysene-d12	21.848	240	284020	20.000	ng	#-0.02
86) Perylene-d12	25.185	264	310993	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	144071	78.148	ng	0.00
7) Phenol-d6	7.348	99	200501	79.257	ng	0.00
23) Nitrobenzene-d5	9.380	82	130118	62.981	ng	0.00
42) 2,4,6-Tribromophenol	16.313	330	127667	94.747	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	306181	49.711	ng	0.00
79) Terphenyl-d14	20.168	244	695808	46.233	ng	0.00

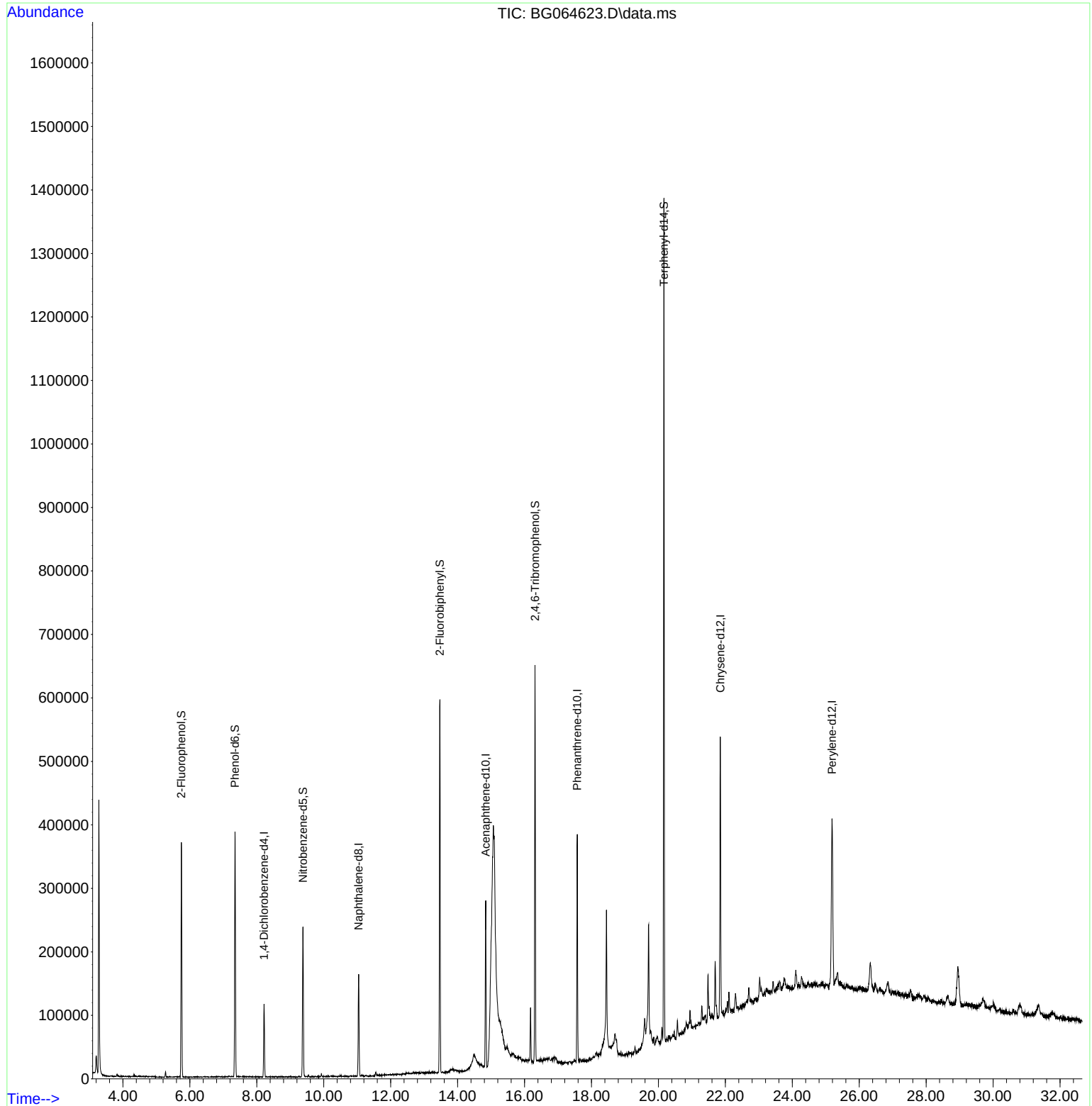
Target Compounds	Qvalue

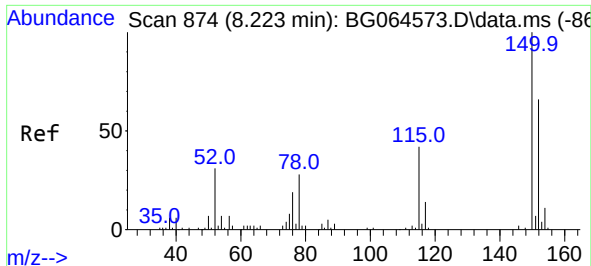
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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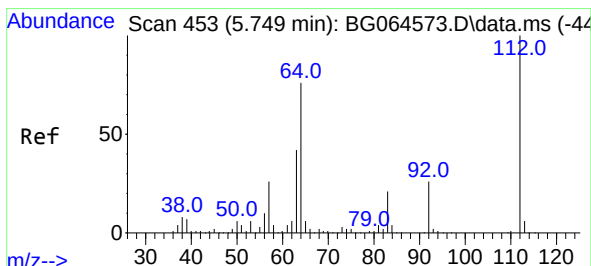
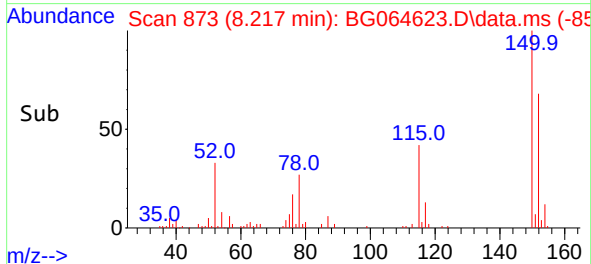
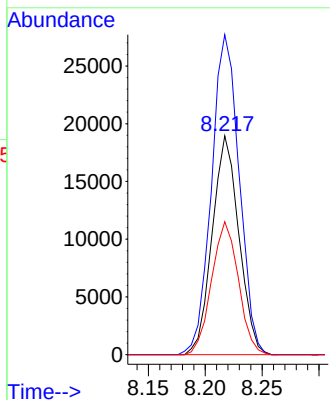
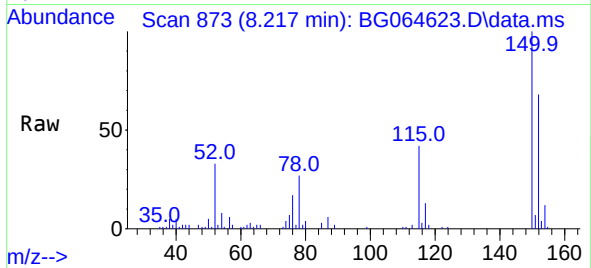




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

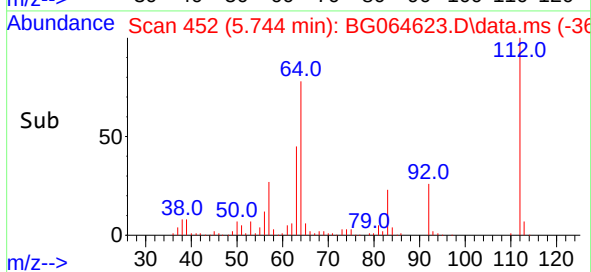
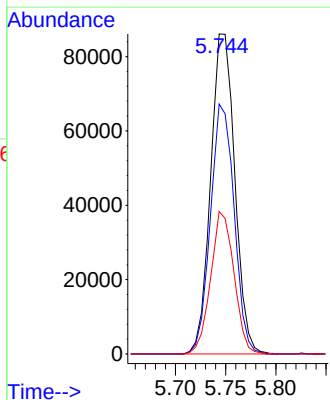
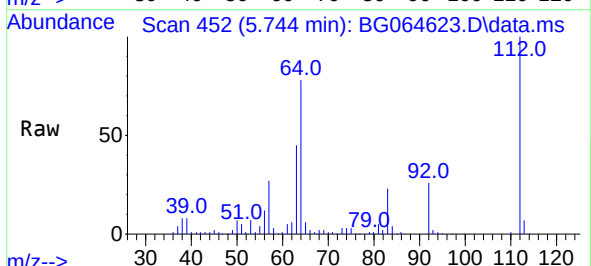
Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOIL

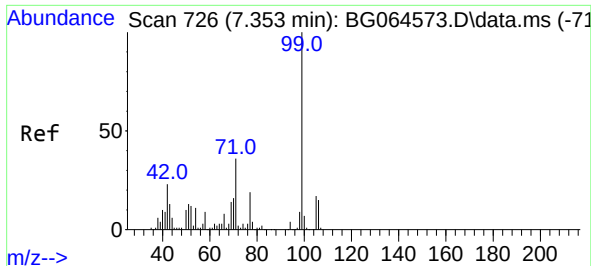
Tgt Ion:152 Resp: 30944
Ion Ratio Lower Upper
152 100
150 146.2 122.2 183.4
115 60.7 50.8 76.2



#5
2-Fluorophenol
Concen: 78.148 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

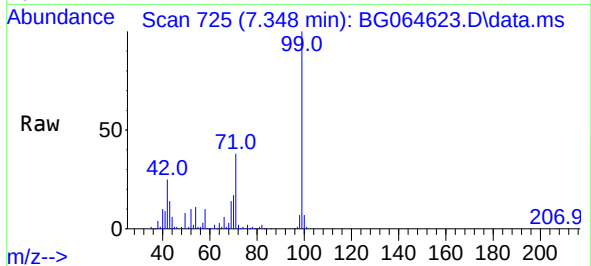
Tgt Ion:112 Resp: 144071
Ion Ratio Lower Upper
112 100
64 78.1 60.7 91.1
63 44.5 33.4 50.0



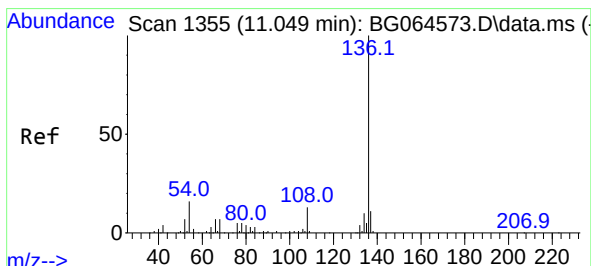
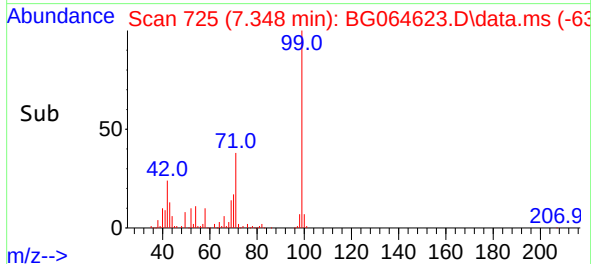
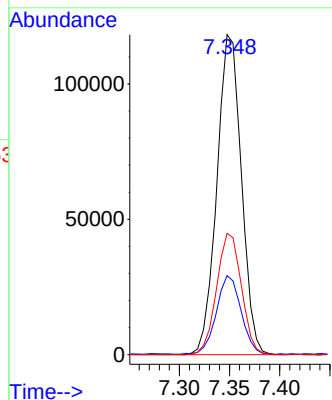


#7
Phenol-d6
Concen: 79.257 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

Instrument :
BNA_G
ClientSampleId :
SOUTH-MAHWAH-SOIL

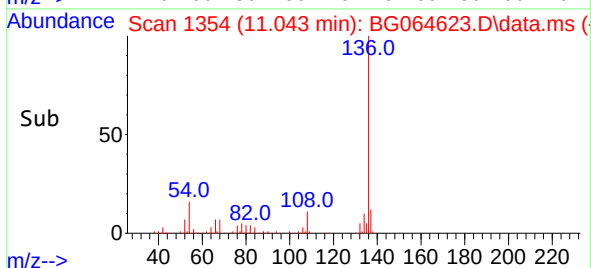
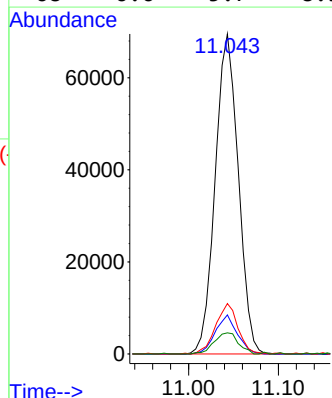
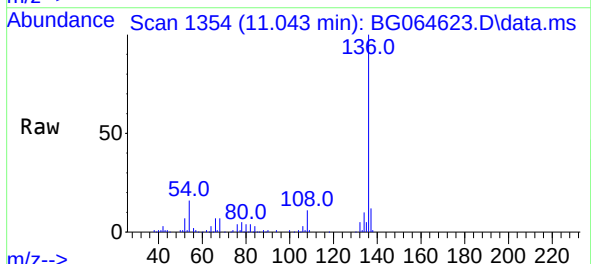


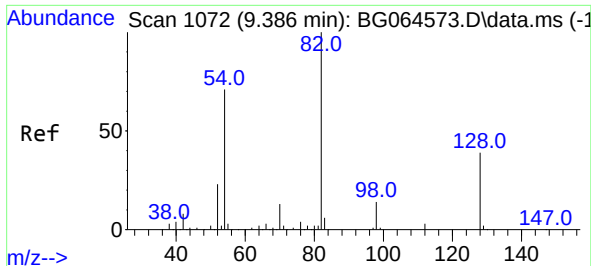
Tgt Ion: 99 Resp: 200501
Ion Ratio Lower Upper
99 100
42 24.7 18.3 27.5
71 37.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

Tgt Ion:136 Resp: 124089
Ion Ratio Lower Upper
136 100
137 12.2 9.2 13.8
54 15.8 12.6 19.0
68 6.6 5.7 8.5





#23

Nitrobenzene-d5

Concen: 62.981 ng

RT: 9.380 min Scan# 1072

Delta R.T. -0.010 min

Lab File: BG064623.D

Acq: 29 Oct 2025 14:50

Instrument :

BNA_G

ClientSampleId :

SOUTH-MAHWAH-SOIL

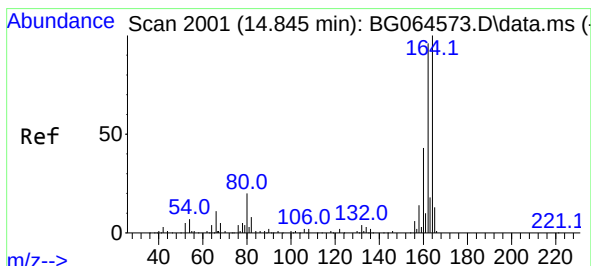
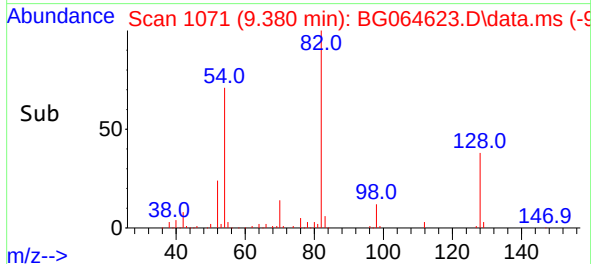
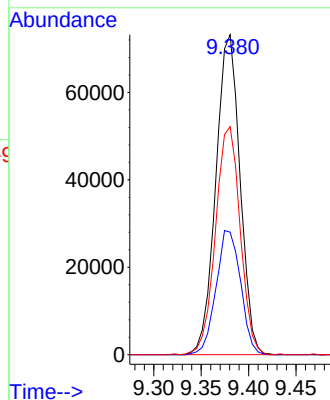
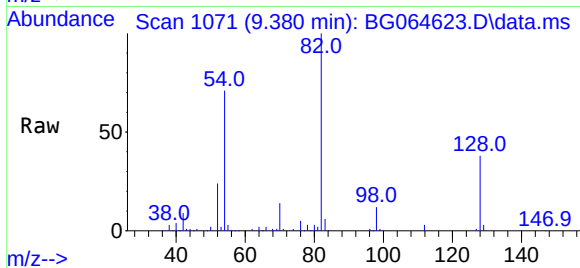
Tgt Ion: 82 Resp: 130118

Ion Ratio Lower Upper

82 100

128 38.3 31.3 46.9

54 71.2 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064623.D

Acq: 29 Oct 2025 14:50

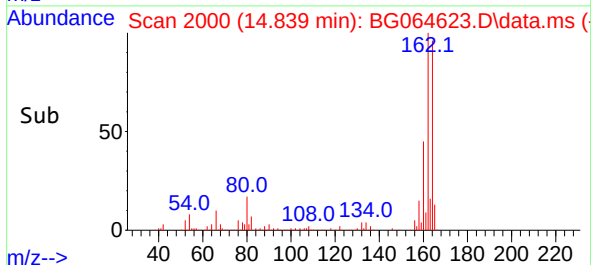
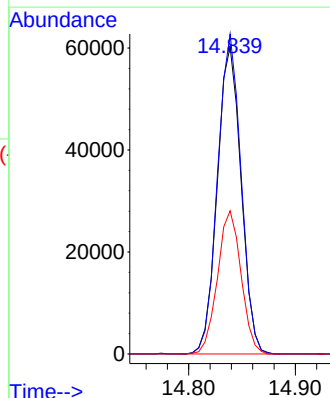
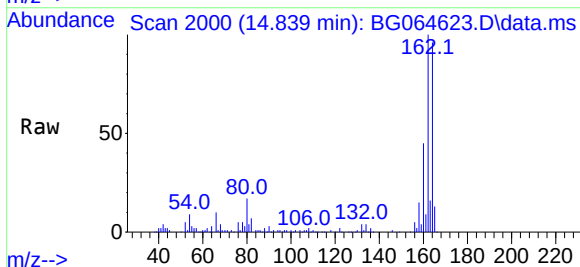
Tgt Ion:164 Resp: 93359

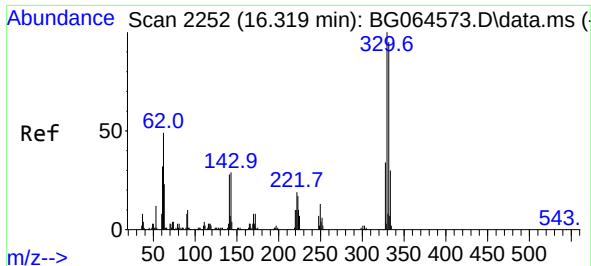
Ion Ratio Lower Upper

164 100

162 104.2 77.0 115.6

160 46.6 34.4 51.6

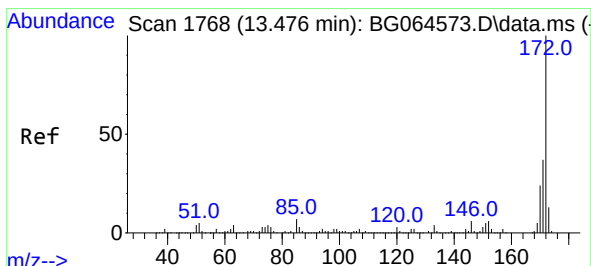
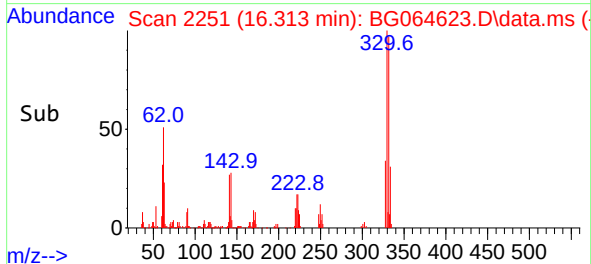
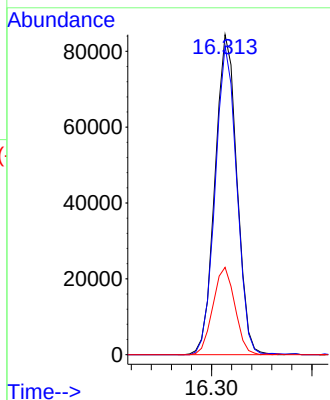
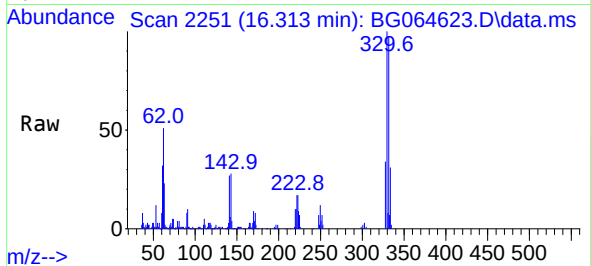




#42
2,4,6-Tribromophenol
Concen: 94.747 ng
RT: 16.313 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

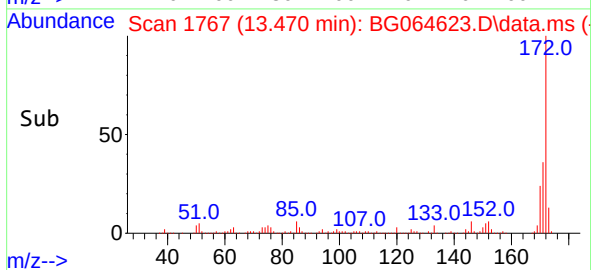
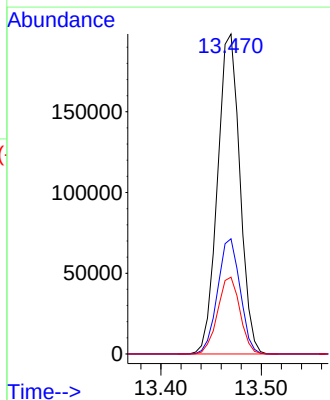
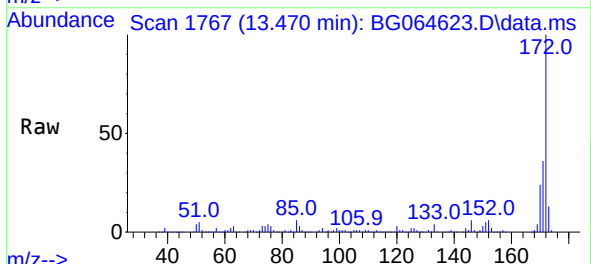
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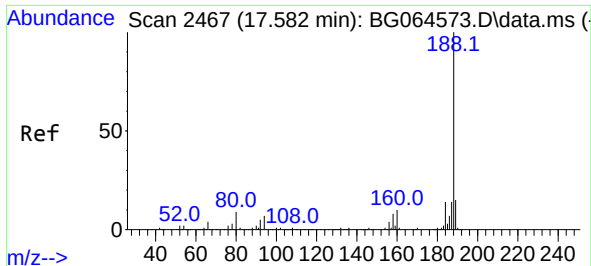
Tgt Ion:330 Resp: 127667
Ion Ratio Lower Upper
330 100
332 95.2 78.0 117.0
141 27.4 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 49.711 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

Tgt Ion:172 Resp: 306181
Ion Ratio Lower Upper
172 100
171 36.0 29.4 44.0
170 24.0 19.1 28.7

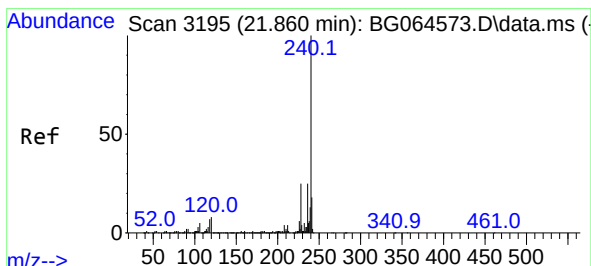
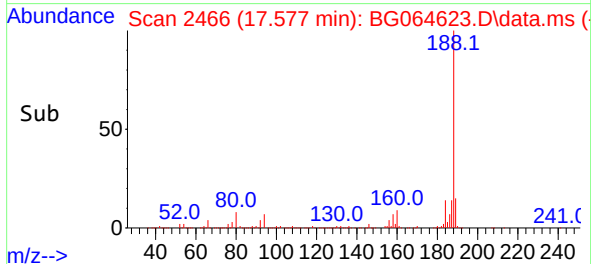
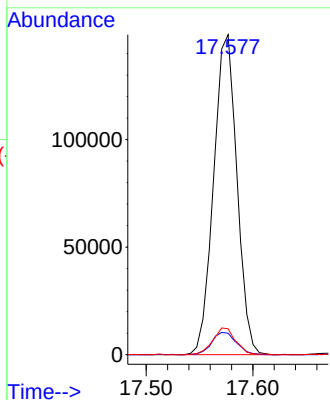
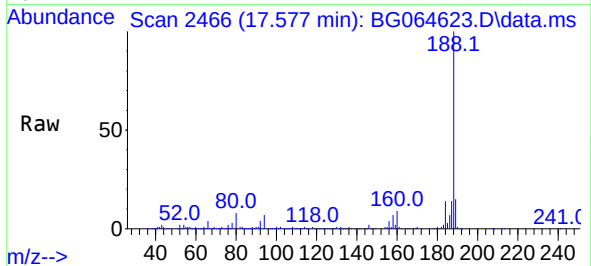




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

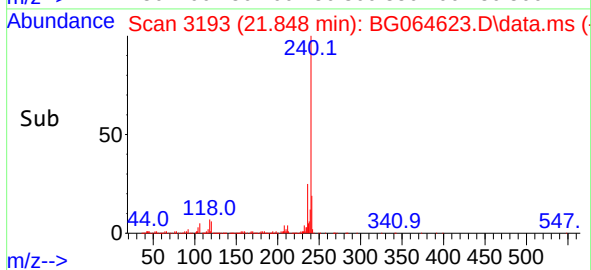
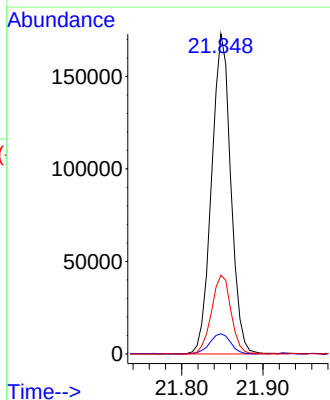
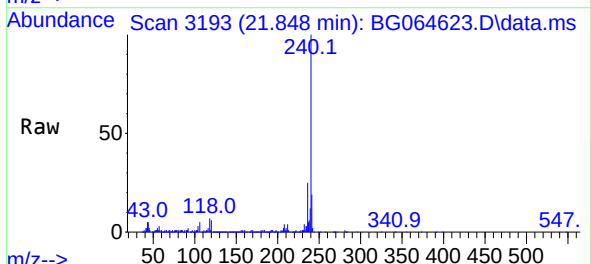
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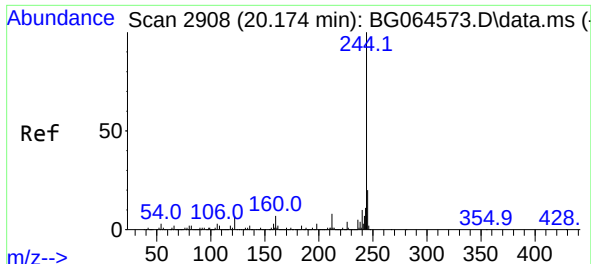
Tgt Ion:188 Resp: 225706
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 8.1 6.8 10.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064623.D
Acq: 29 Oct 2025 14:50

Tgt Ion:240 Resp: 284020
Ion Ratio Lower Upper
240 100
120 6.3 6.5 9.7#
236 24.6 20.2 30.2

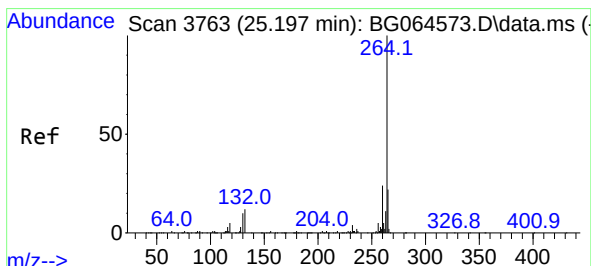
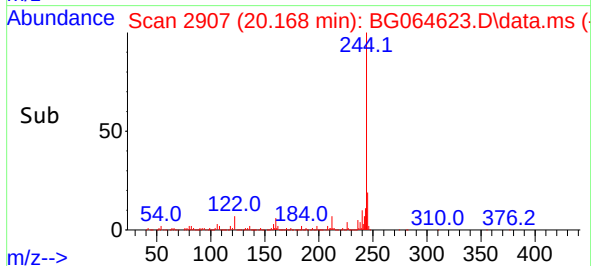
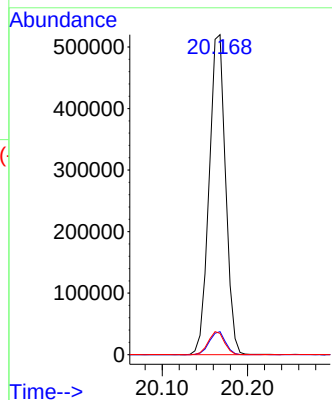
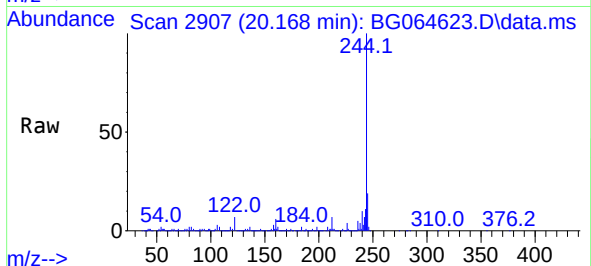




#79
 Terphenyl-d14
 Concen: 46.233 ng
 RT: 20.168 min Scan# 2908
 Delta R.T. -0.009 min
 Lab File: BG064623.D
 Acq: 29 Oct 2025 14:50

Instrument :
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 SOUTH-MAHWAH-SOIL

Tgt Ion:244 Resp: 695808
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.185 min Scan# 3761
 Delta R.T. -0.015 min
 Lab File: BG064623.D
 Acq: 29 Oct 2025 14:50

Tgt Ion:264 Resp: 310993
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.4
 265 20.7 17.6 26.4

