

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111425\
 Data File : BG064780.D
 Acq On : 14 Nov 2025 15:19
 Operator : RC/JU
 Sample : Q3628-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5

Quant Time: Nov 14 16:01:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

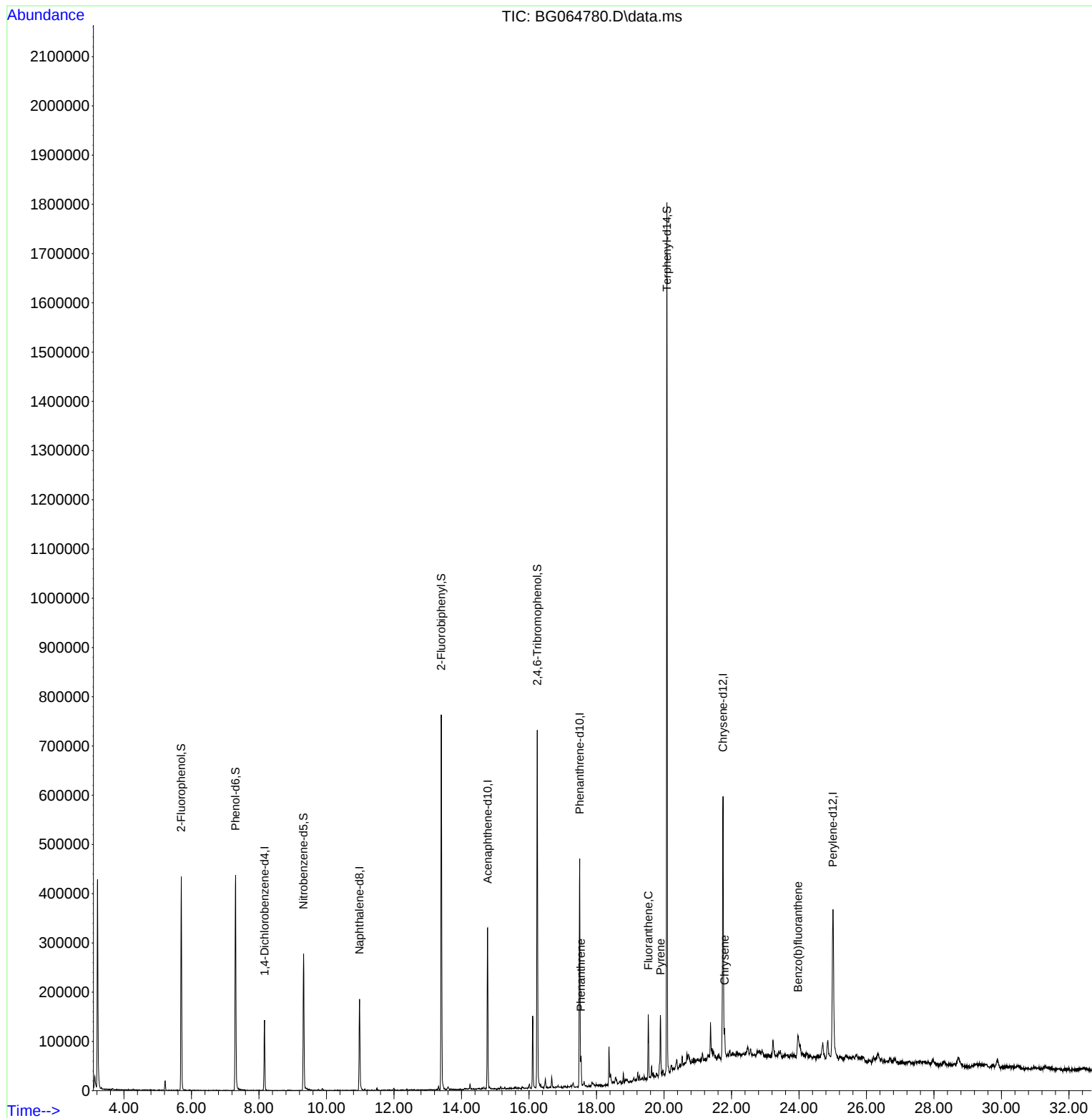
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	42490	20.000	ng	# 0.00
21) Naphthalene-d8	10.980	136	163064	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	131462	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	311251	20.000	ng	0.00
76) Chrysene-d12	21.750	240	357537	20.000	ng	0.00
86) Perylene-d12	25.005	264	377607	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	178170	73.223	ng	0.00
7) Phenol-d6	7.308	99	252954	78.161	ng	0.00
23) Nitrobenzene-d5	9.323	82	165290	50.118	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	181197	70.672	ng	0.00
45) 2-Fluorobiphenyl	13.401	172	438941	46.589	ng	0.00
79) Terphenyl-d14	20.087	244	920501	50.644	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.543	178	38284	2.248	ng	96
75) Fluoranthene	19.535	202	88233	3.789	ng	98
78) Pyrene	19.899	202	84446	4.214	ng	95
83) Chrysene	21.797	228	45900	2.003	ng	94
88) Benzo(b)fluoranthene	23.971	252	58453	2.432	ng	# 93

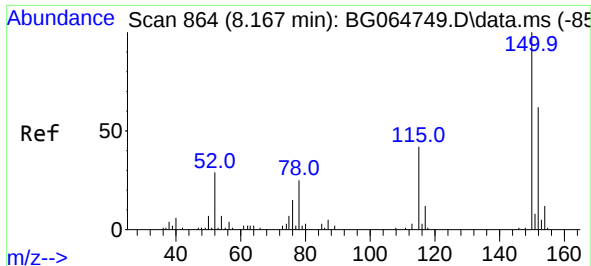
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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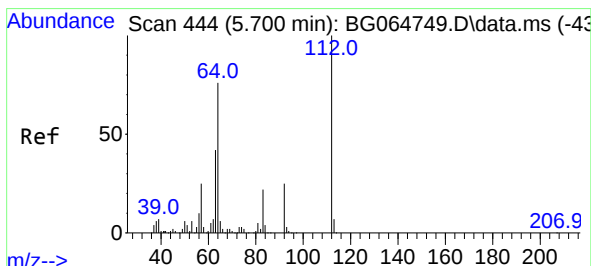
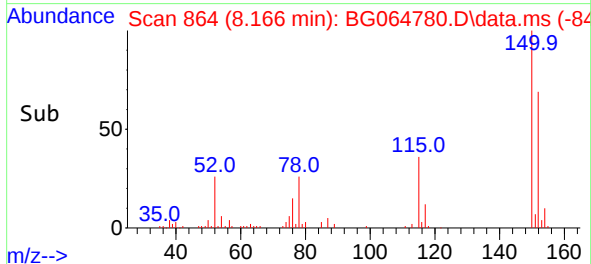
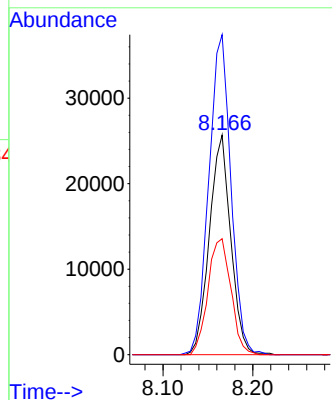
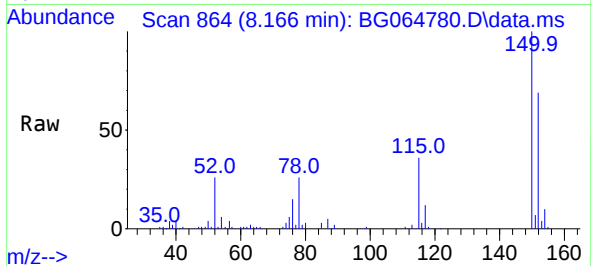




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 80
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

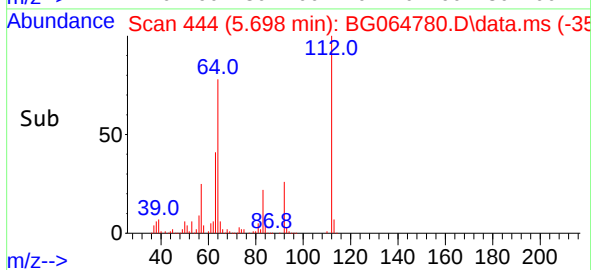
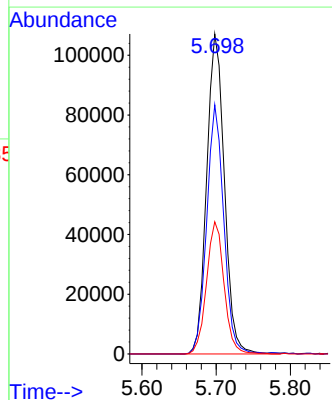
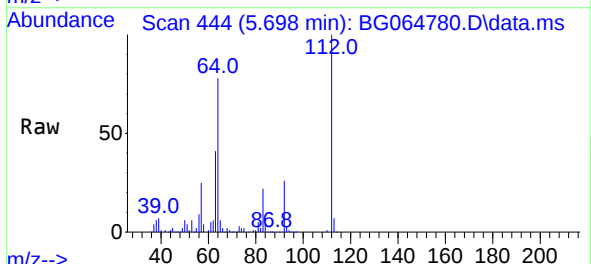
Instrument :
BNA_G
ClientSampleId :
TP-5

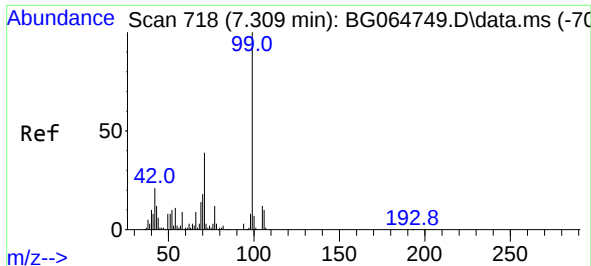
Tgt Ion:152 Resp: 42490
Ion Ratio Lower Upper
152 100
150 145.7 129.2 193.8
115 52.8 53.7 80.5#



#5
2-Fluorophenol
Concen: 73.223 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion:112 Resp: 178170
Ion Ratio Lower Upper
112 100
64 77.8 61.0 91.4
63 41.3 33.3 49.9

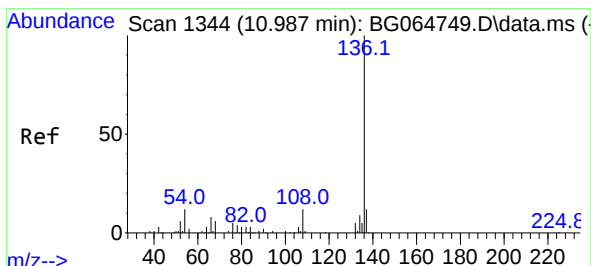
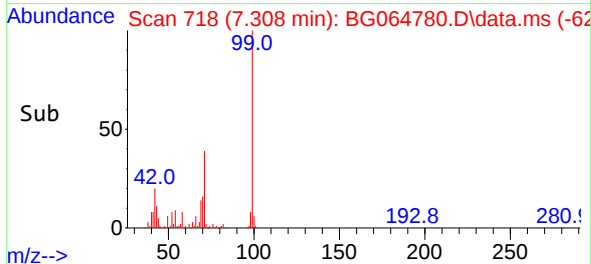
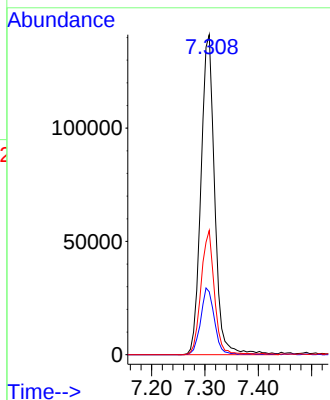
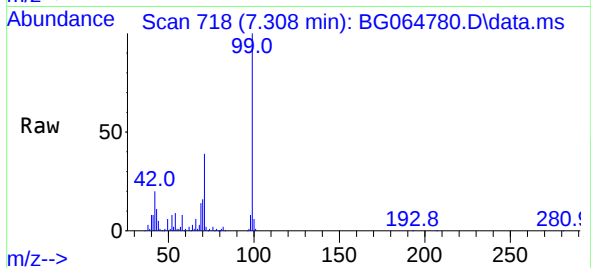




#7
Phenol-d6
Concen: 78.161 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

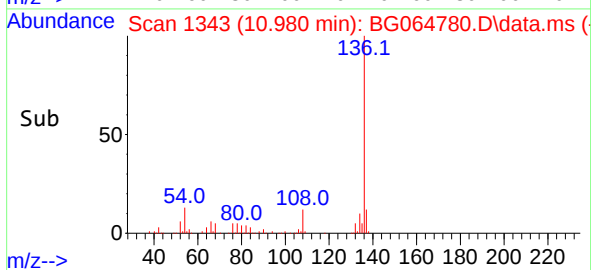
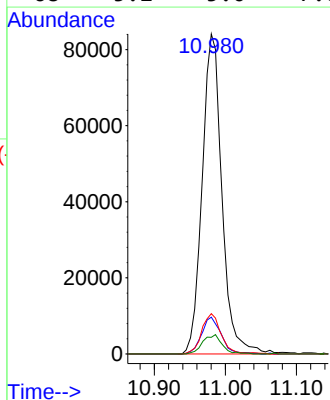
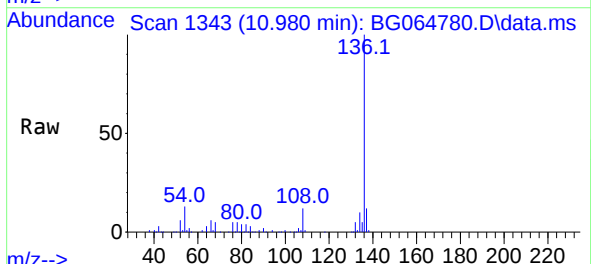
Instrument :
BNA_G
ClientSampleId :
TP-5

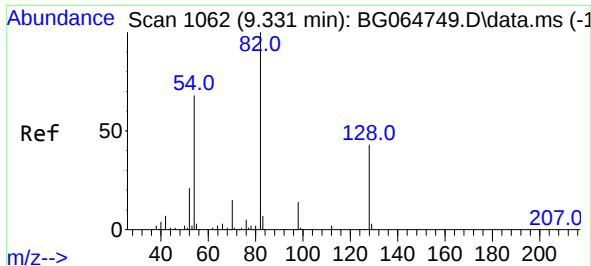
Tgt Ion: 99 Resp: 252954
Ion Ratio Lower Upper
99 100
42 19.6 16.8 25.2
71 38.8 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 1343
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion: 136 Resp: 163064
Ion Ratio Lower Upper
136 100
137 11.5 9.3 13.9
54 12.6 9.3 13.9
68 5.2 5.0 7.6

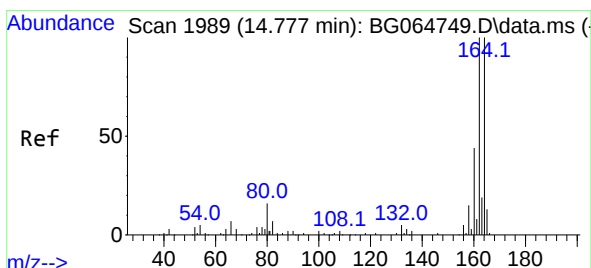
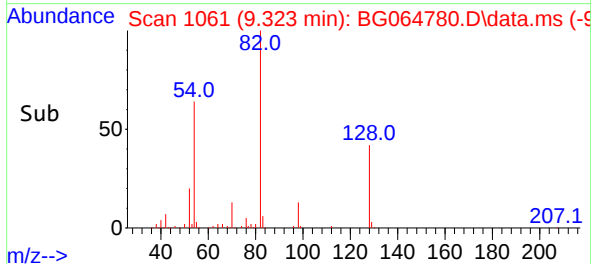
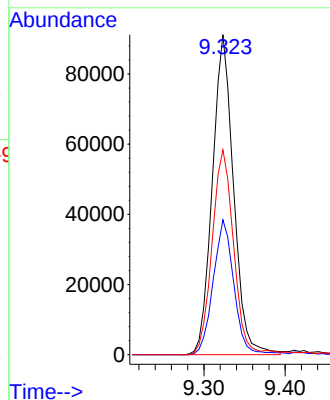
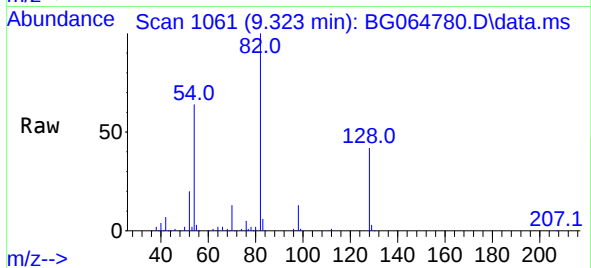




#23
Nitrobenzene-d5
Concen: 50.118 ng
RT: 9.323 min Scan# 1062
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

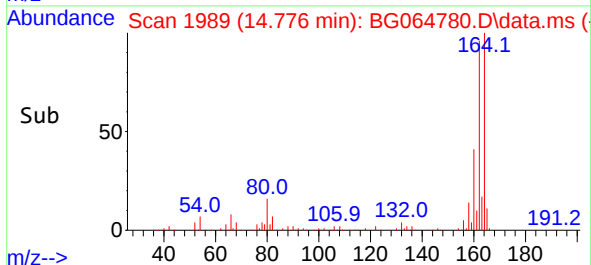
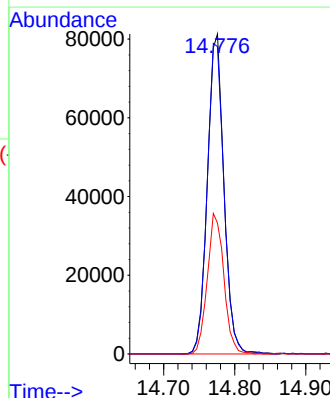
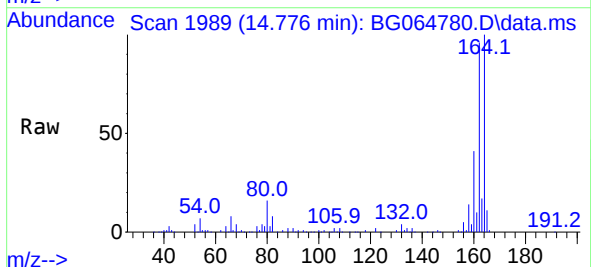
Instrument :
BNA_G
ClientSampleId :
TP-5

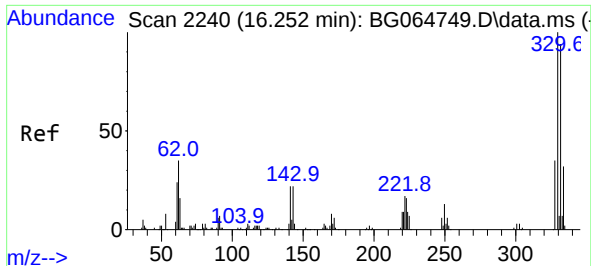
Tgt Ion: 82 Resp: 165290
Ion Ratio Lower Upper
82 100
128 42.1 34.1 51.1
54 64.0 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

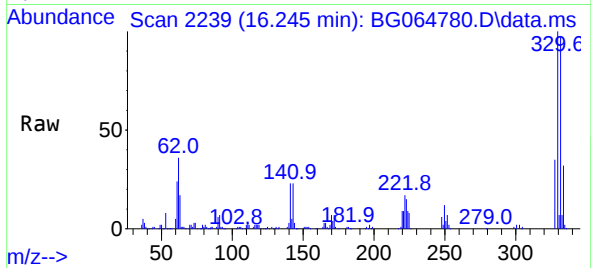
Tgt Ion:164 Resp: 131462
Ion Ratio Lower Upper
164 100
162 96.1 79.8 119.6
160 40.9 34.9 52.3



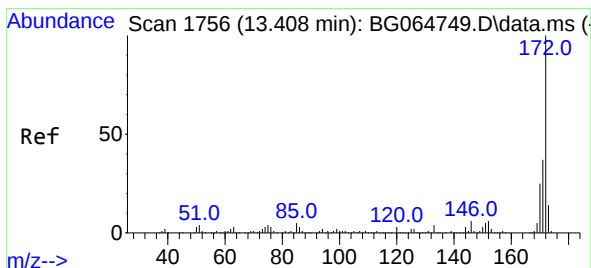
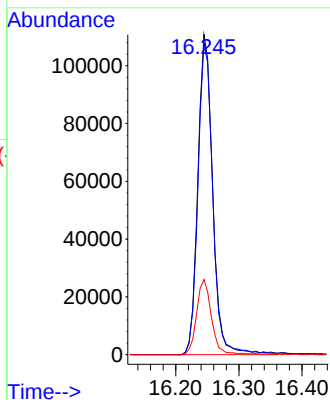
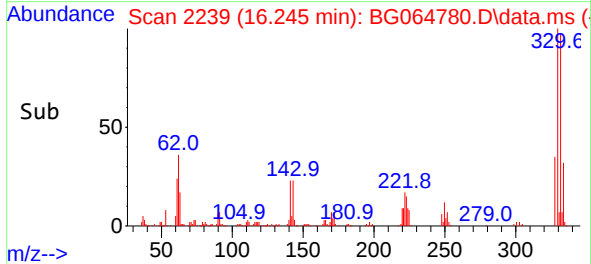


#42
2,4,6-Tribromophenol
Concen: 70.672 ng
RT: 16.245 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

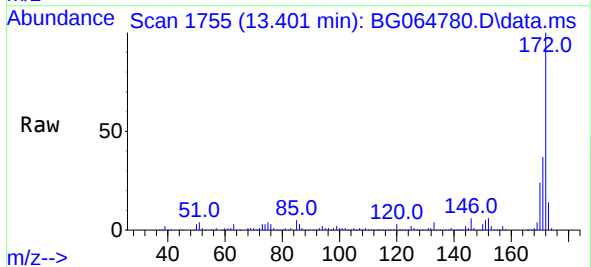
Instrument :
BNA_G
ClientSampleId :
TP-5



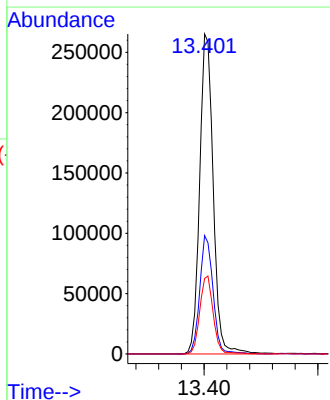
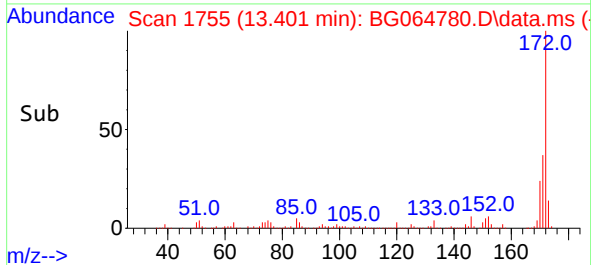
Tgt Ion:330 Resp: 181197
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 23.5 18.2 27.2

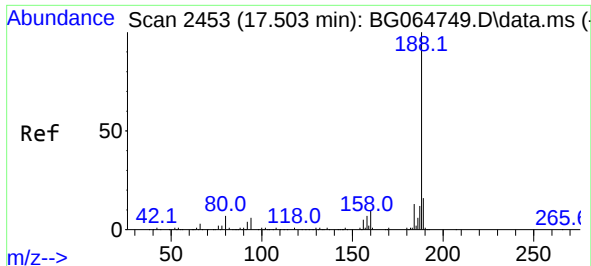


#45
2-Fluorobiphenyl
Concen: 46.589 ng
RT: 13.401 min Scan# 1755
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19



Tgt Ion:172 Resp: 438941
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 23.6 19.8 29.6

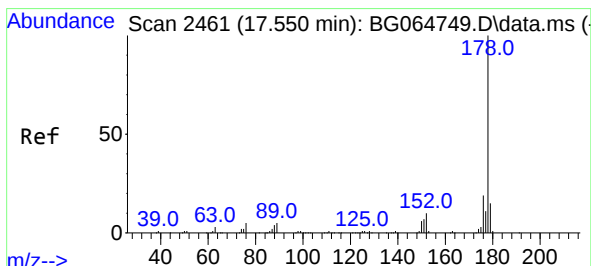
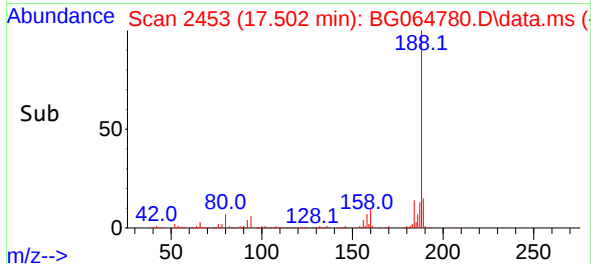
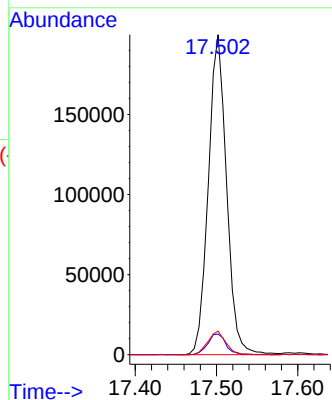
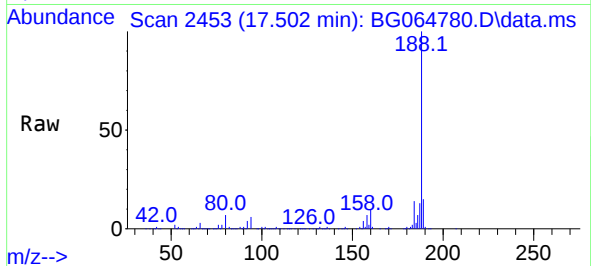




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 2453
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

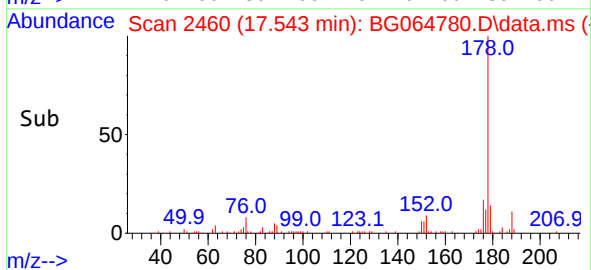
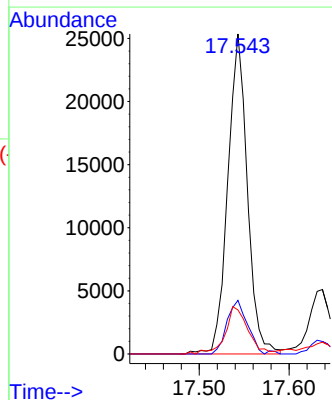
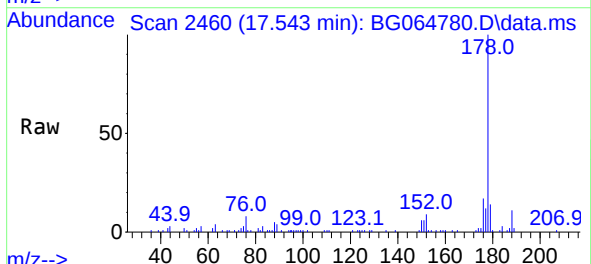
Instrument :
BNA_G
ClientSampleId :
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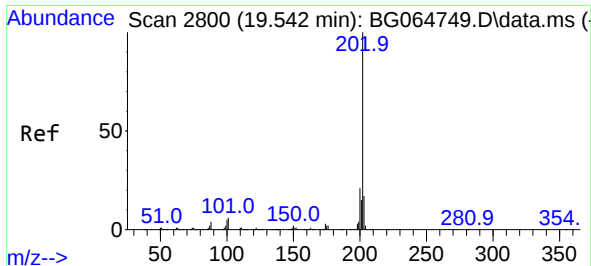
Tgt Ion:188 Resp: 311251
Ion Ratio Lower Upper
188 100
94 6.4 4.7 7.1
80 7.3 5.4 8.2



#71
Phenanthrene
Concen: 2.248 ng
RT: 17.543 min Scan# 2460
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion:178 Resp: 38284
Ion Ratio Lower Upper
178 100
176 16.7 14.8 22.2
179 13.7 12.2 18.4

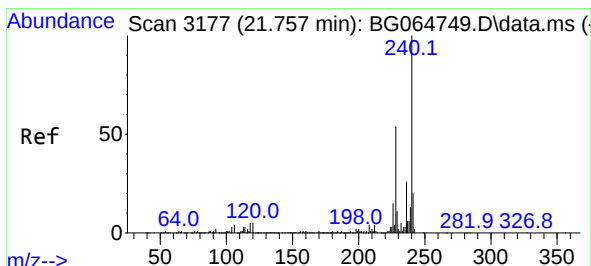
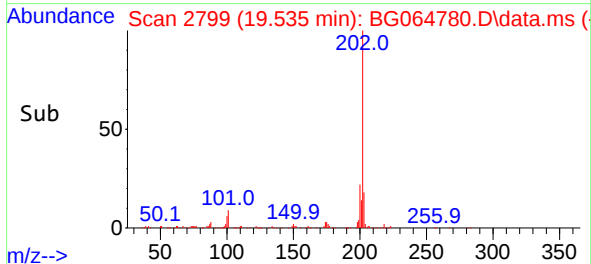
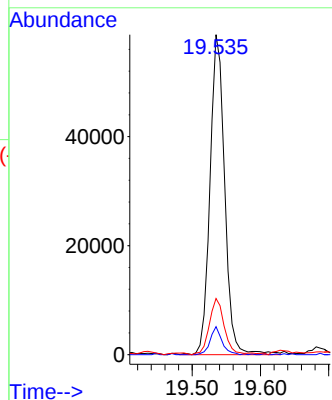
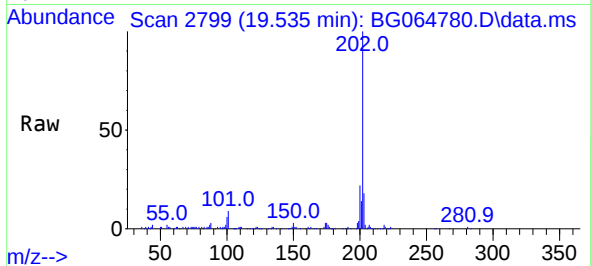




#75
Fluoranthene
Concen: 3.789 ng
RT: 19.535 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

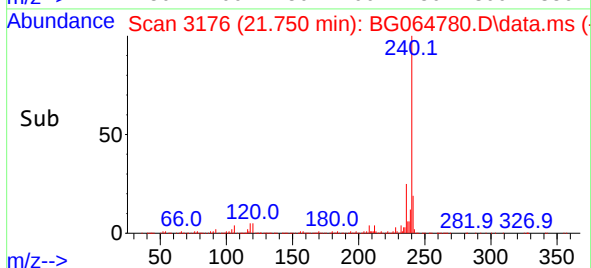
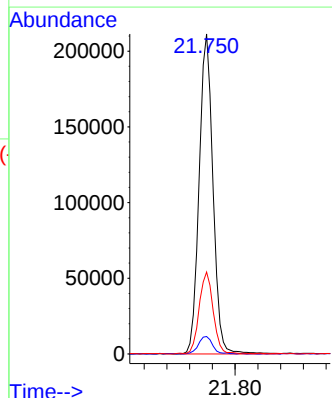
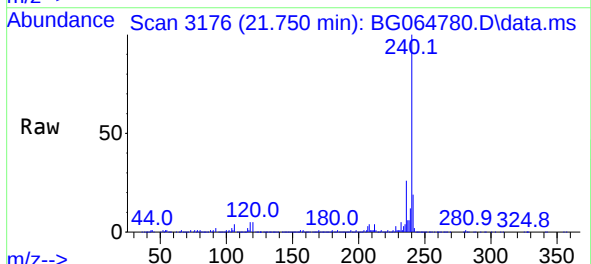
Instrument :
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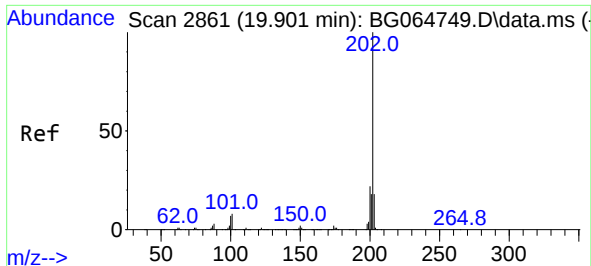
Tgt Ion:202 Resp: 88233
Ion Ratio Lower Upper
202 100
101 8.8 0.0 26.4
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion:240 Resp: 357537
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.4
236 25.6 20.8 31.2

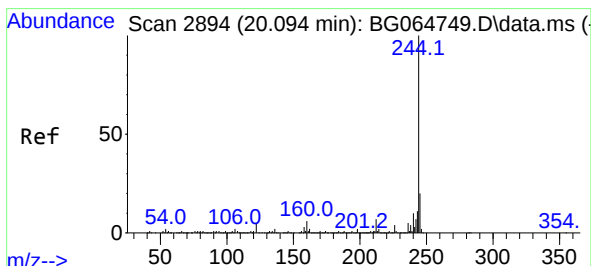
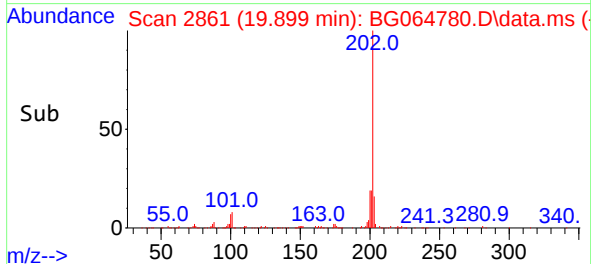
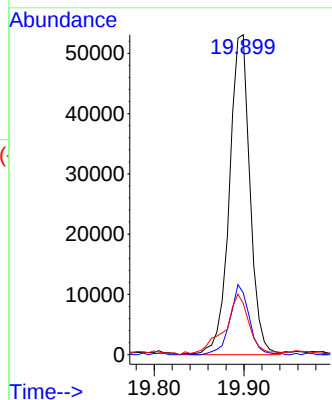
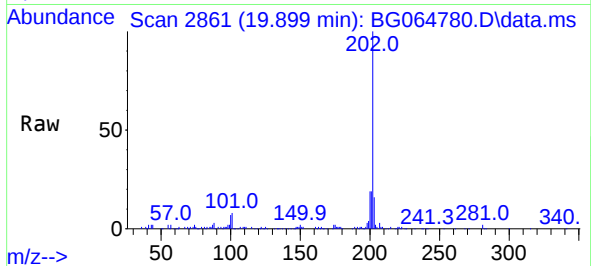




#78
Pyrene
Concen: 4.214 ng
RT: 19.899 min Scan# 2861
Delta R.T. -0.001 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

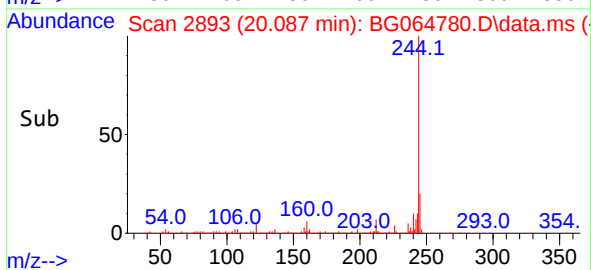
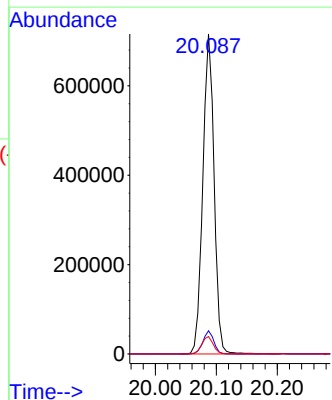
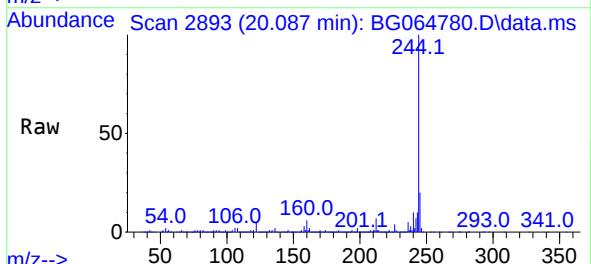
Instrument :
BNA_G
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TP-5

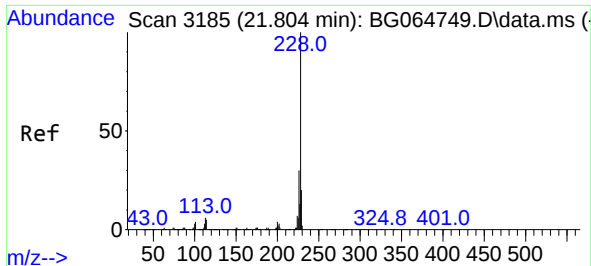
Tgt Ion:202	Resp:	84446
Ion Ratio	Lower	Upper
202	100	
200	19.3	17.9 26.9
203	16.0	14.0 21.0



#79
Terphenyl-d14
Concen: 50.644 ng
RT: 20.087 min Scan# 2893
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Tgt Ion:244	Resp:	920501
Ion Ratio	Lower	Upper
244	100	
212	7.3	5.8 8.6
122	5.5	4.3 6.5

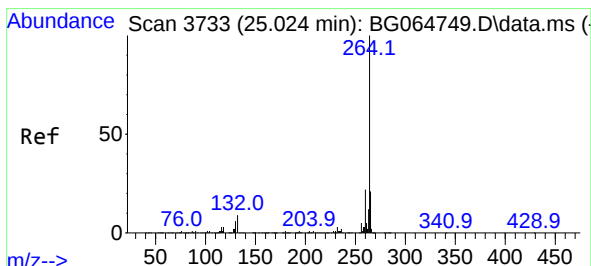
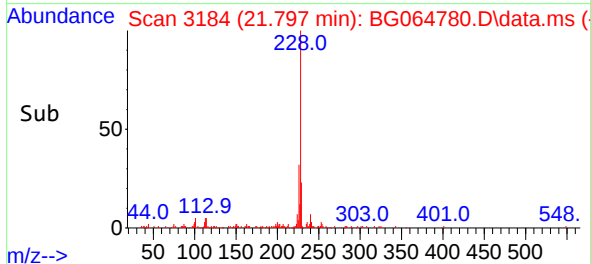
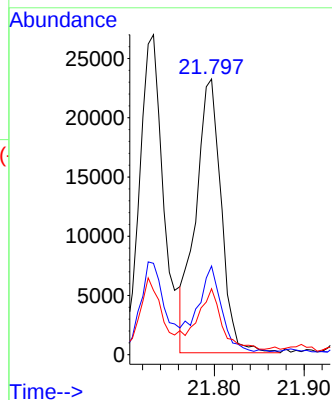
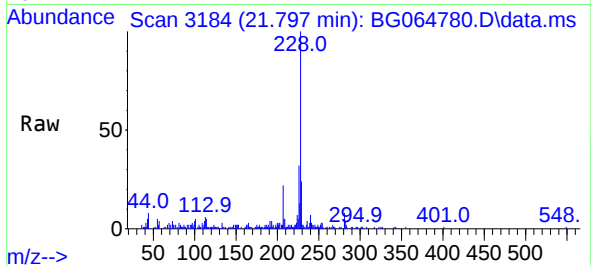




#83
Chrysene
Concen: 2.003 ng
RT: 21.797 min Scan# 3184
Delta R.T. -0.007 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

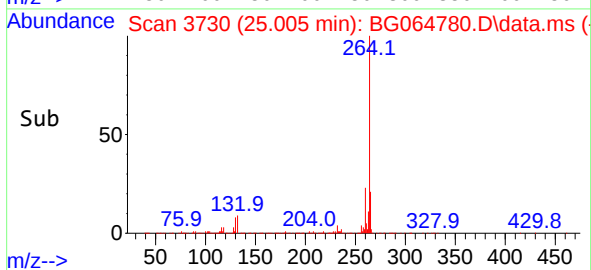
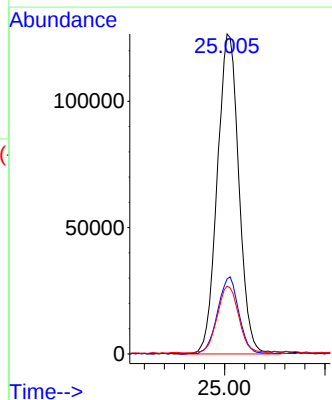
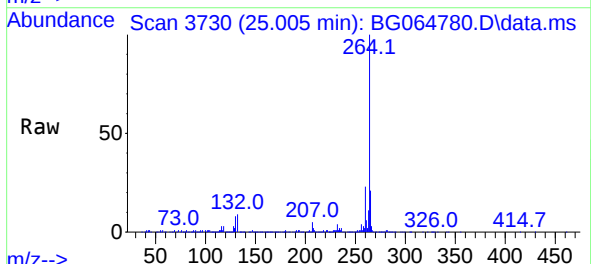
Instrument :
BNA_G
ClientSampleId :
TP-5

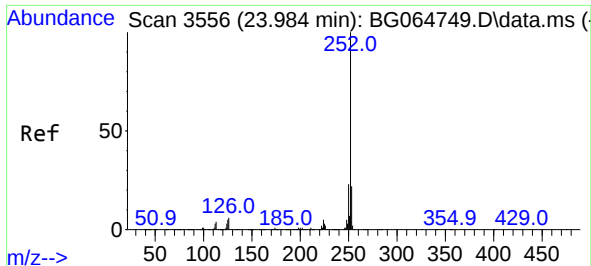
Tgt Ion:	228	Resp:	45900
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.2	36.2
229	23.9	16.0	24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.005 min Scan# 3730
Delta R.T. -0.019 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

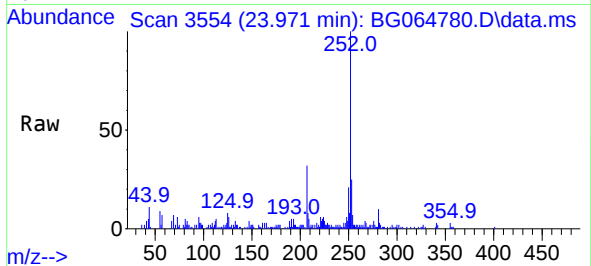
Tgt Ion:	264	Resp:	377607
Ion Ratio	Lower	Upper	
264	100		
260	23.5	17.2	25.8
265	21.2	16.6	25.0





#88
Benzo(b)fluoranthene
Concen: 2.432 ng
RT: 23.971 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG064780.D
Acq: 14 Nov 2025 15:19

Instrument :
BNA_G
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 58453
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.2
125 8.4 4.2 6.2#

