

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064723.D
 Acq On : 7 Nov 2025 19:37
 Operator : RC/JU
 Sample : Q3580-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 346

Quant Time: Nov 08 00:59:37 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)

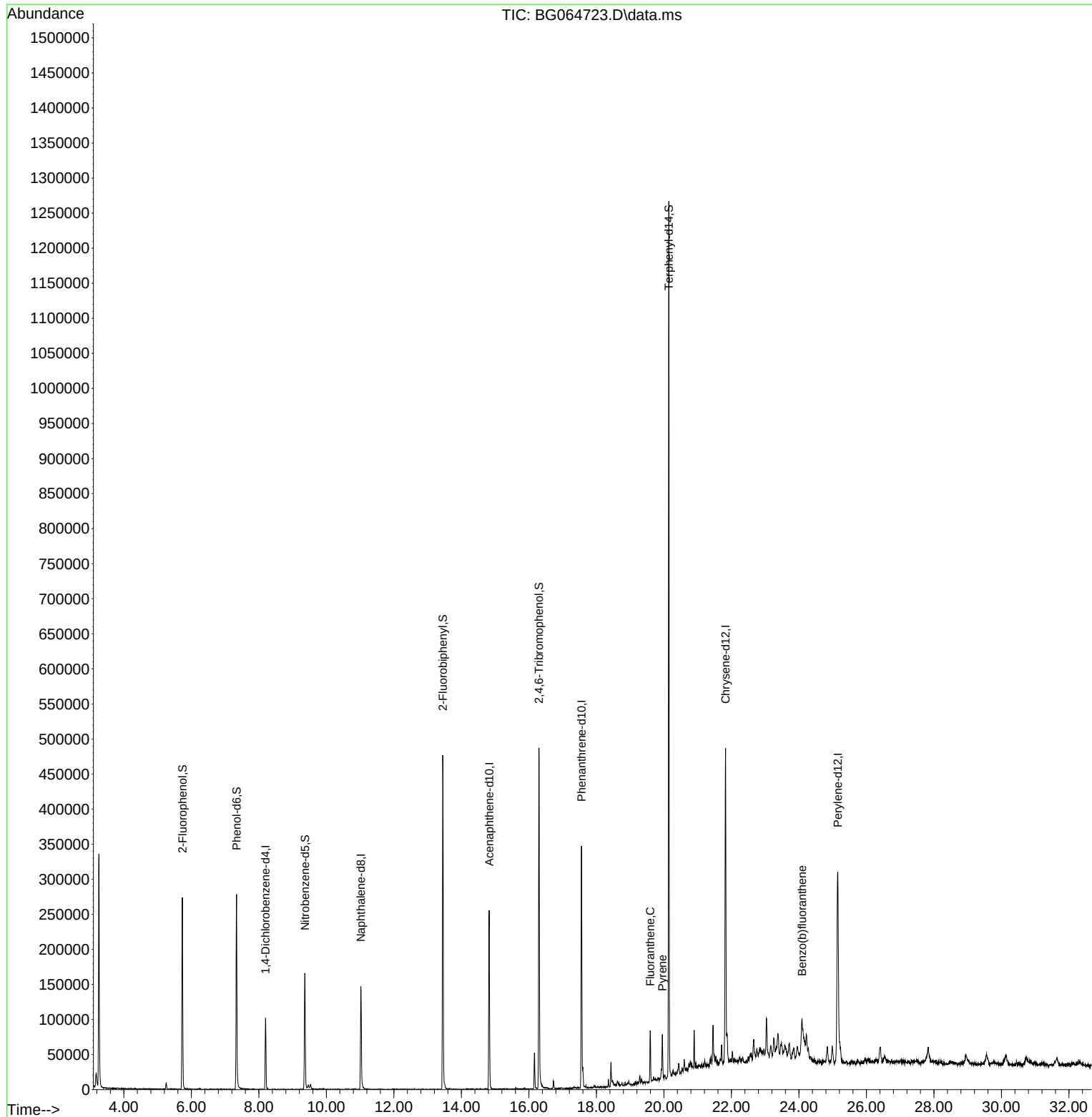
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.196	152	29688	20.000	ng	-0.03
21) Naphthalene-d8	11.022	136	130505	20.000	ng	#-0.03
39) Acenaphthene-d10	14.823	164	102239	20.000	ng	-0.02
64) Phenanthrene-d10	17.561	188	248807	20.000	ng	#-0.02
76) Chrysene-d12	21.827	240	306605	20.000	ng	#-0.03
86) Perylene-d12	25.152	264	341118	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.734	112	115594	65.354	ng	-0.02
7) Phenol-d6	7.338	99	158431	65.277	ng	-0.02
23) Nitrobenzene-d5	9.365	82	102075	46.978	ng	-0.02
42) 2,4,6-Tribromophenol	16.298	330	122173	82.795	ng	-0.02
45) 2-Fluorobiphenyl	13.449	172	275736	40.879	ng	-0.03
79) Terphenyl-d14	20.147	244	644203	39.651	ng	-0.03
Target Compounds						Qvalue
75) Fluoranthene	19.594	202	50552	2.966	ng	98
78) Pyrene	19.959	202	44882	2.241	ng	98
88) Benzo(b)fluoranthene	24.095	252	45572	2.179	ng	95

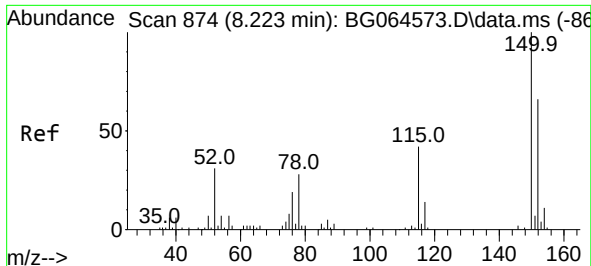
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
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QLast Update : Mon Nov 03 18:16:26 2025
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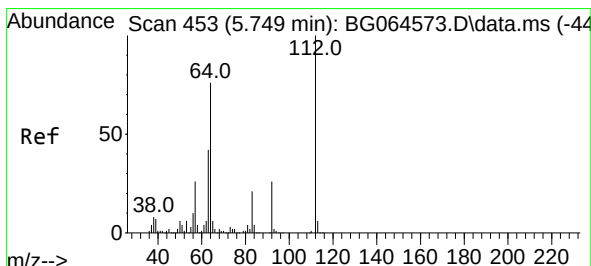
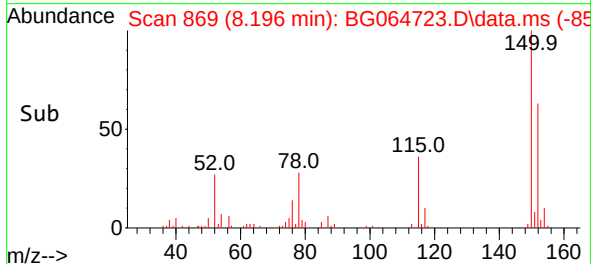
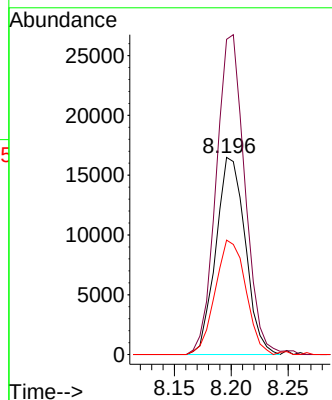
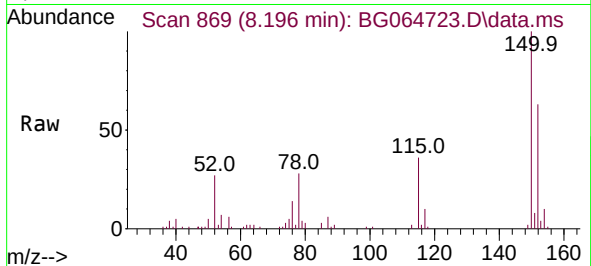




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.196 min Scan# 80
Delta R.T. -0.027 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

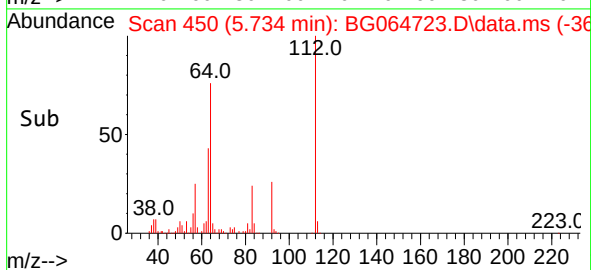
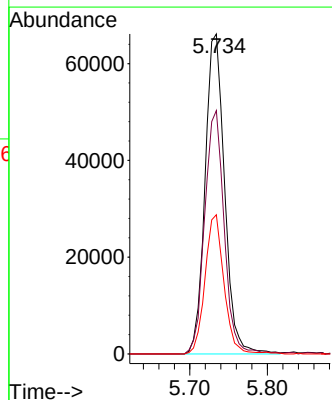
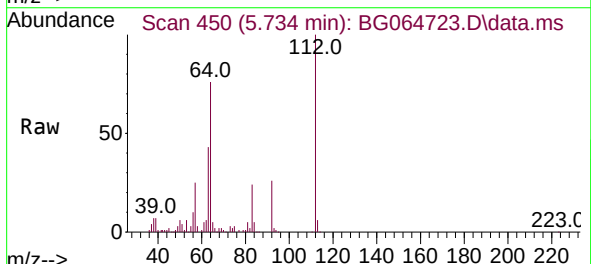
Instrument :
BNA_G
ClientSampleId :
346

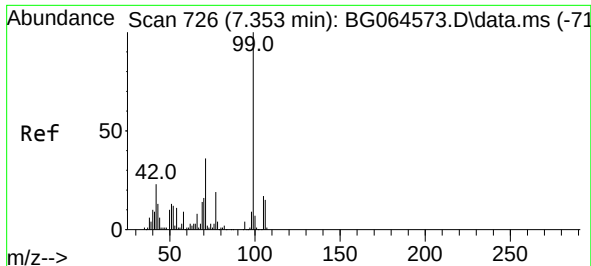
Tgt Ion:152 Resp: 29688
Ion Ratio Lower Upper
152 100
150 159.8 122.2 183.4
115 58.1 50.8 76.2



#5
2-Fluorophenol
Concen: 65.354 ng
RT: 5.734 min Scan# 450
Delta R.T. -0.015 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:112 Resp: 115594
Ion Ratio Lower Upper
112 100
64 76.0 60.7 91.1
63 43.5 33.4 50.0

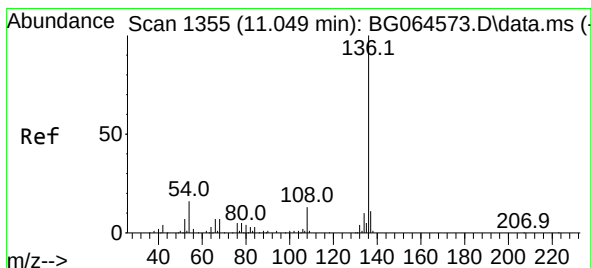
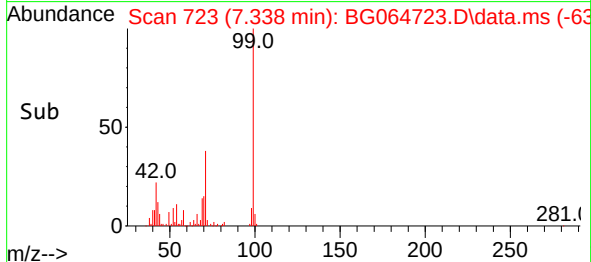
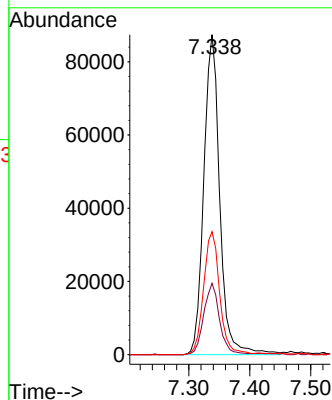
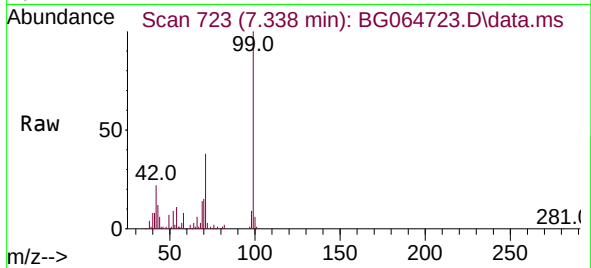




#7
Phenol-d6
Concen: 65.277 ng
RT: 7.338 min Scan# 71
Delta R.T. -0.015 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

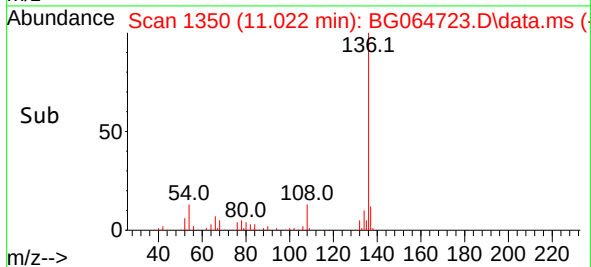
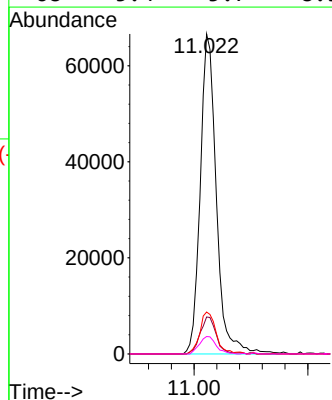
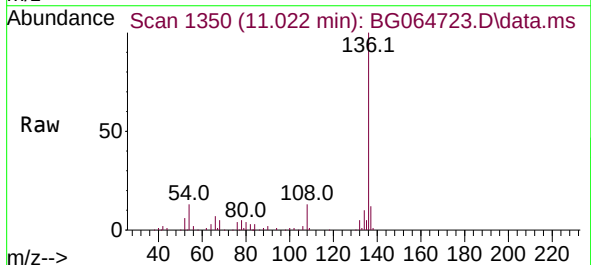
Instrument :
BNA_G
ClientSampleId :
346

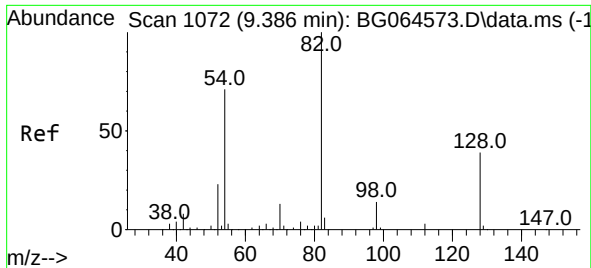
Tgt Ion: 99 Resp: 158431
Ion Ratio Lower Upper
99 100
42 22.3 18.3 27.5
71 38.4 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.022 min Scan# 1350
Delta R.T. -0.027 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion: 136 Resp: 130505
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 13.1 12.6 19.0
68 5.4 5.7 8.5#

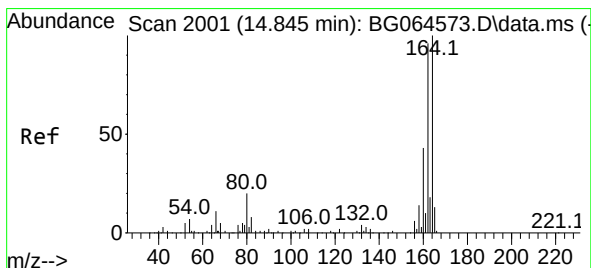
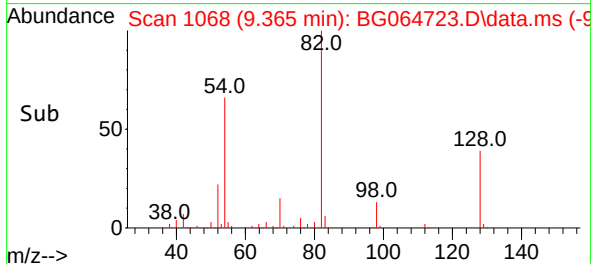
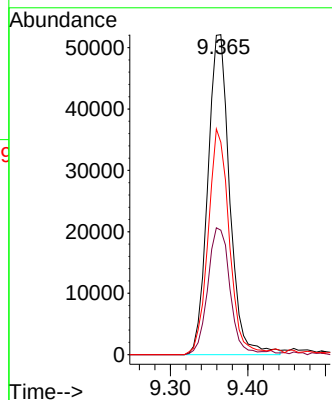
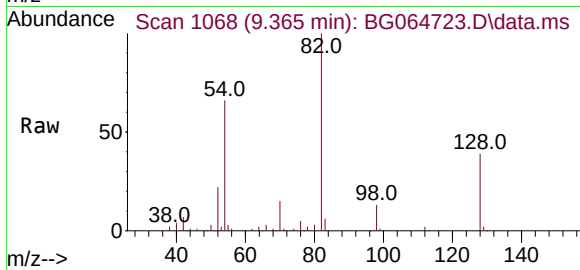




#23
Nitrobenzene-d5
Concen: 46.978 ng
RT: 9.365 min Scan# 1072
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

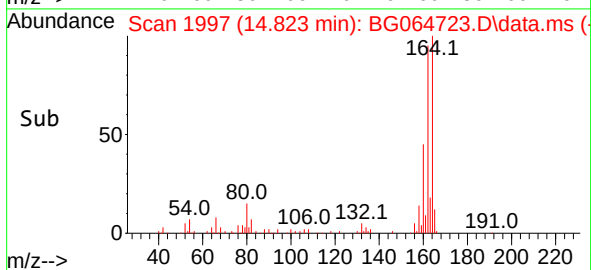
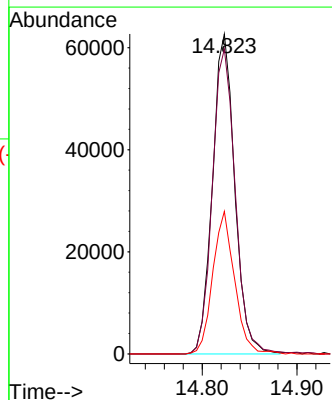
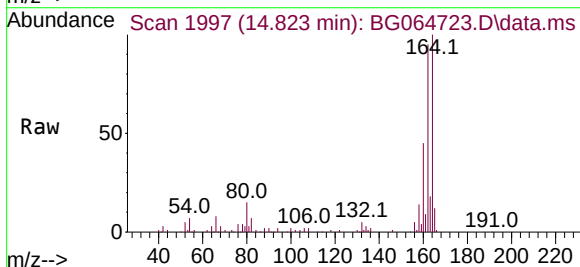
Instrument :
BNA_G
ClientSampleId :
346

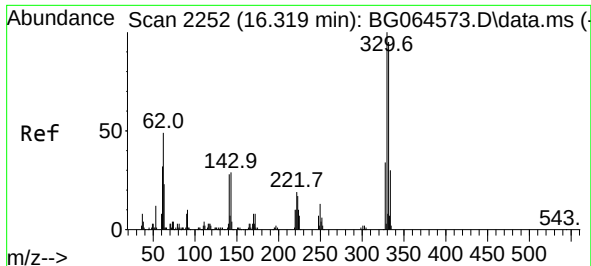
Tgt Ion: 82 Resp: 102075
Ion Ratio Lower Upper
82 100
128 38.9 31.3 46.9
54 66.3 56.6 84.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.823 min Scan# 1997
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion: 164 Resp: 102239
Ion Ratio Lower Upper
164 100
162 95.3 77.0 115.6
160 44.5 34.4 51.6

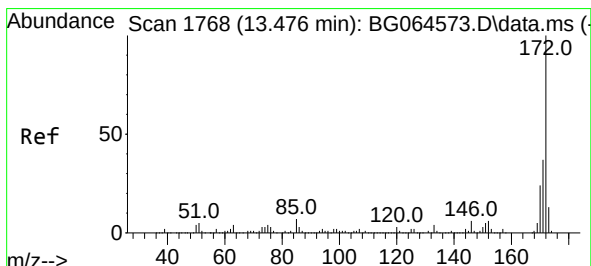
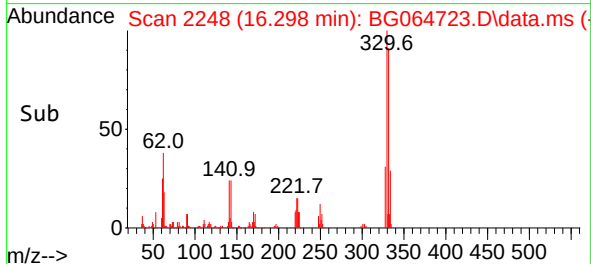
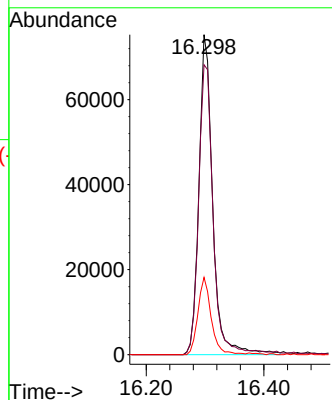
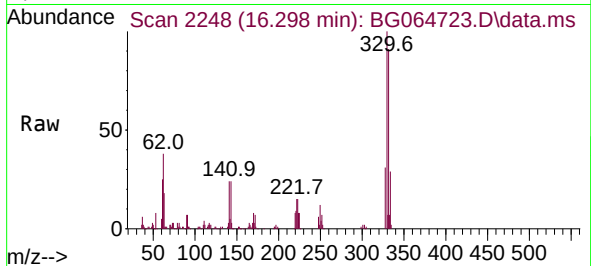




#42
2,4,6-Tribromophenol
Concen: 82.795 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

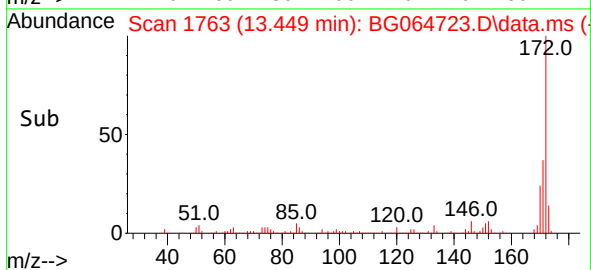
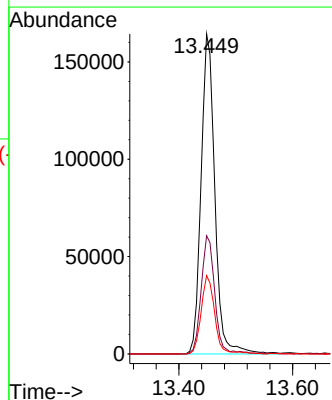
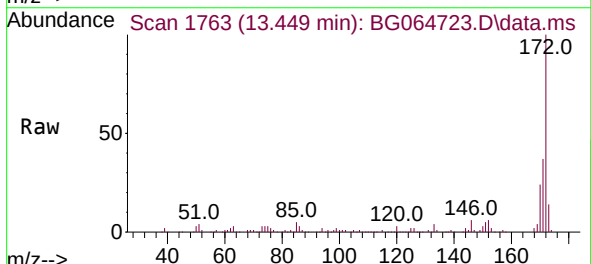
Instrument :
BNA_G
ClientSampleId :
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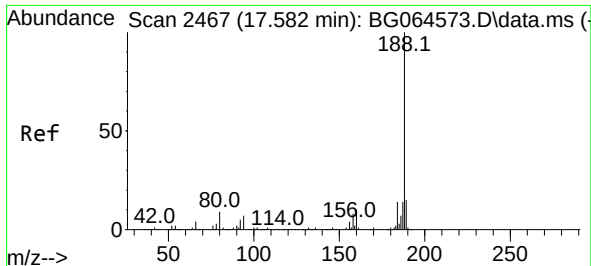
Tgt Ion:330 Resp: 122173
Ion Ratio Lower Upper
330 100
332 95.1 78.0 117.0
141 23.2 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 40.879 ng
RT: 13.449 min Scan# 1763
Delta R.T. -0.027 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:172 Resp: 275736
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.5 19.1 28.7

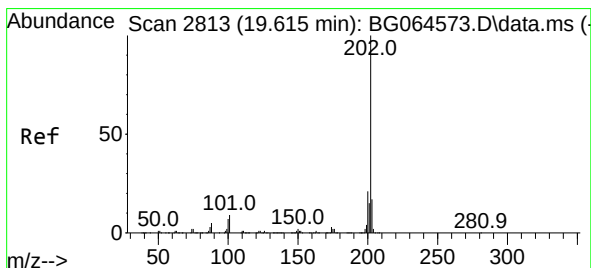
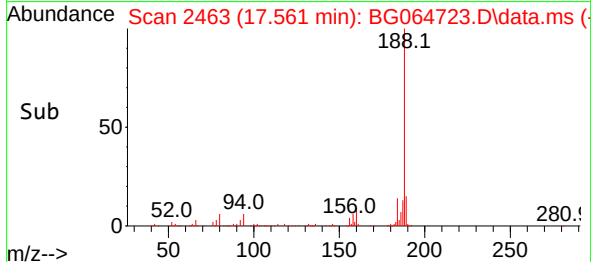
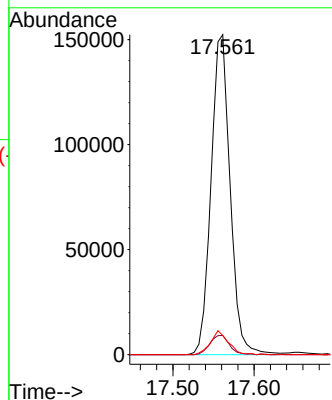
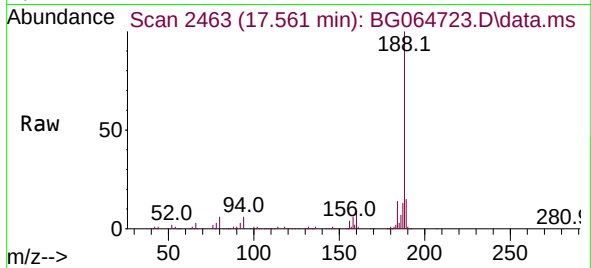




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.561 min Scan# 2467
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

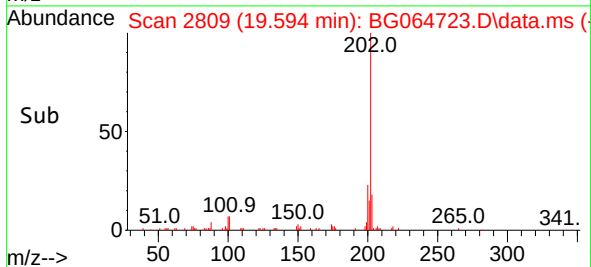
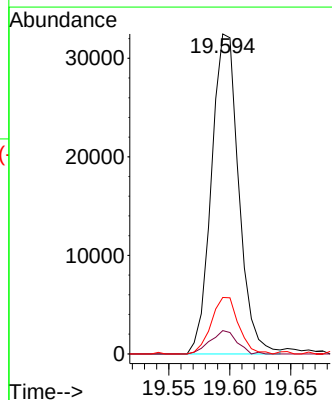
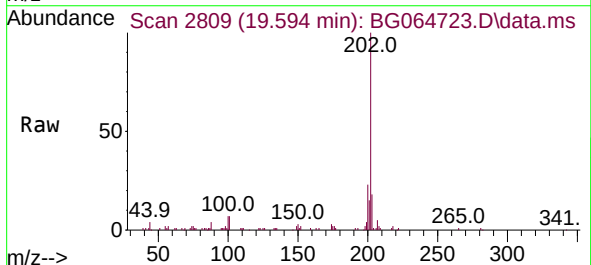
Instrument :
BNA_G
ClientSampleId :
346

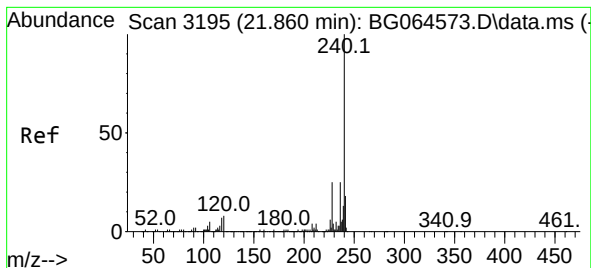
Tgt Ion:188 Resp: 248807
Ion Ratio Lower Upper
188 100
94 6.0 5.7 8.5
80 6.0 6.8 10.2#



#75
Fluoranthene
Concen: 2.966 ng
RT: 19.594 min Scan# 2809
Delta R.T. -0.021 min
Lab File: BG064723.D
Acq: 7 Nov 2025 19:37

Tgt Ion:202 Resp: 50552
Ion Ratio Lower Upper
202 100
101 7.3 0.0 28.7
203 17.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.827 min Scan# 31

Delta R.T. -0.033 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

Instrument :

BNA_G

ClientSampleId :

346

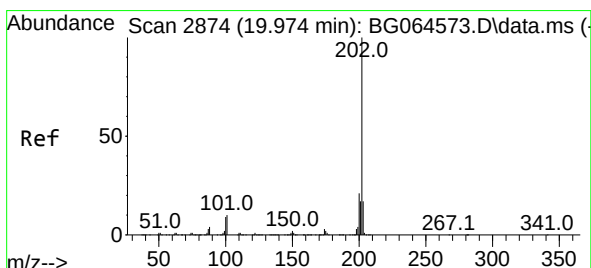
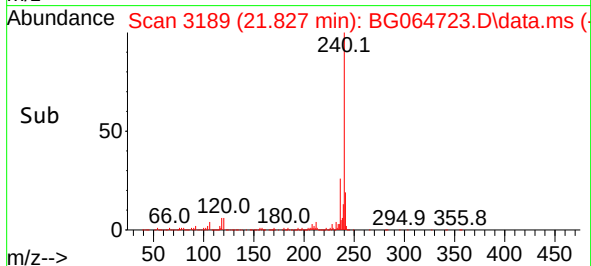
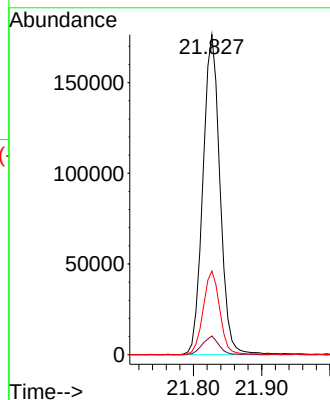
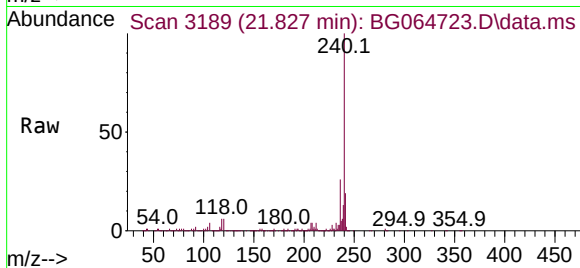
Tgt Ion:240 Resp: 306605

Ion Ratio Lower Upper

240 100

120 5.8 6.5 9.7#

236 26.1 20.2 30.2



#78

Pyrene

Concen: 2.241 ng

RT: 19.959 min Scan# 2871

Delta R.T. -0.015 min

Lab File: BG064723.D

Acq: 7 Nov 2025 19:37

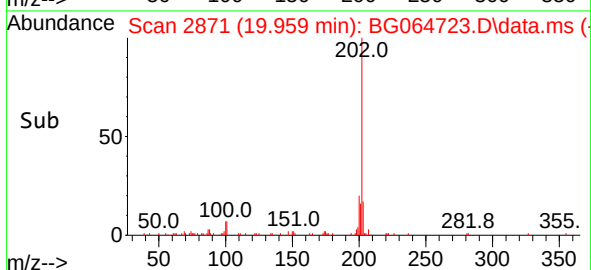
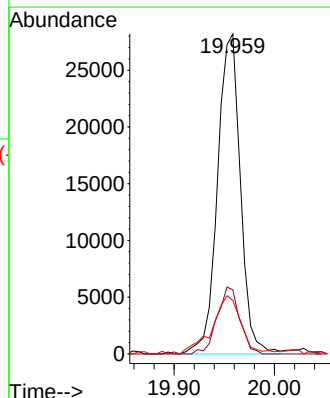
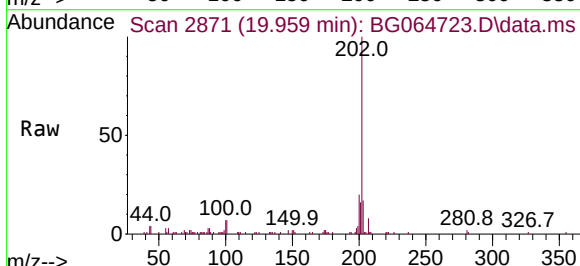
Tgt Ion:202 Resp: 44882

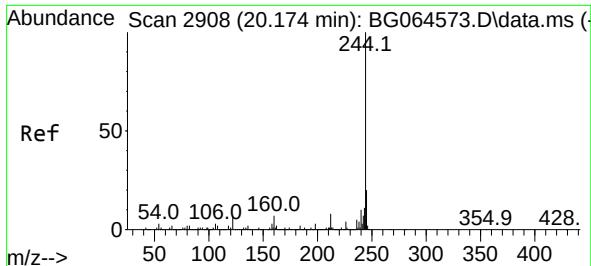
Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

203 16.7 13.8 20.6

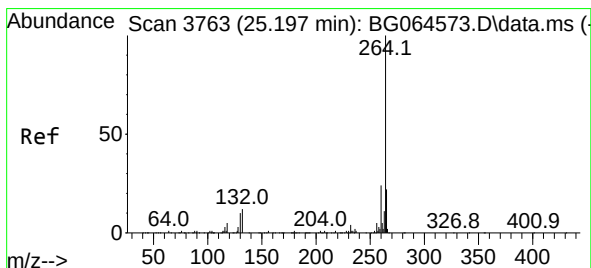
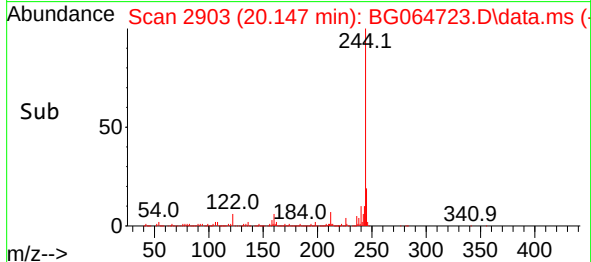
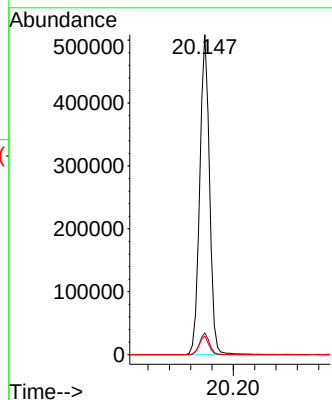
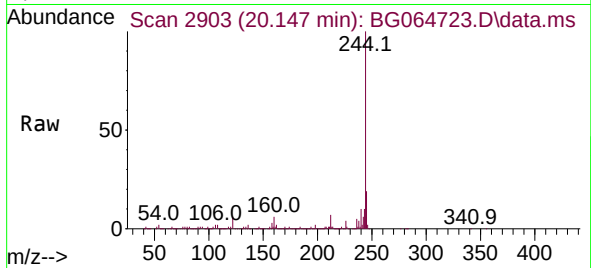




#79
 Terphenyl-d14
 Concen: 39.651 ng
 RT: 20.147 min Scan# 2908
 Delta R.T. -0.027 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

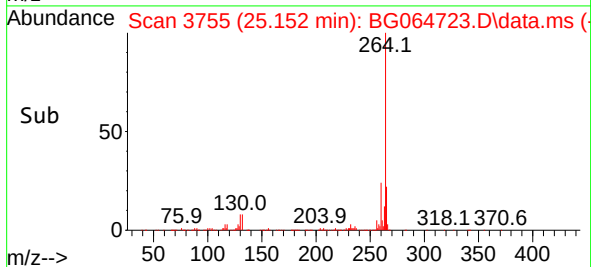
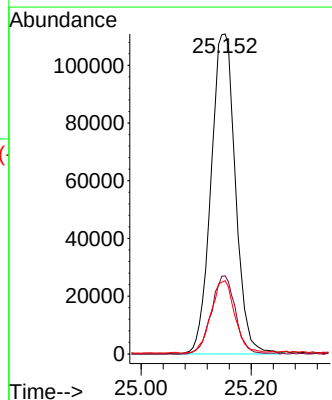
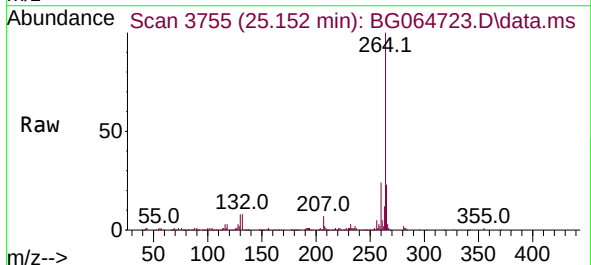
Instrument :
 BNA_G
 ClientSampleId :
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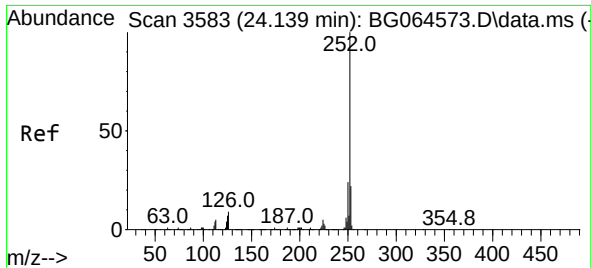
Tgt Ion:244 Resp: 644203
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 5.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.152 min Scan# 3755
 Delta R.T. -0.045 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

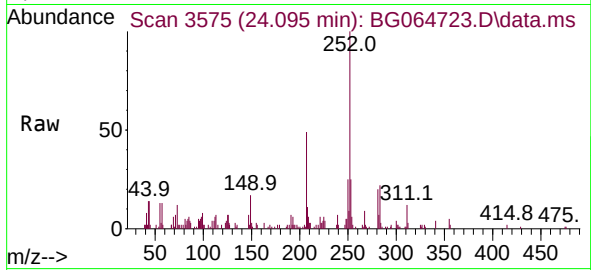
Tgt Ion:264 Resp: 341118
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.4
 265 22.9 17.6 26.4





#88
 Benzo(b)fluoranthene
 Concen: 2.179 ng
 RT: 24.095 min Scan# 31
 Delta R.T. -0.045 min
 Lab File: BG064723.D
 Acq: 7 Nov 2025 19:37

Instrument :
 BNA_G
 ClientSampleId :
 346



Tgt Ion:252 Resp: 45572
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.8 26.8
 125 6.6 5.6 8.4

