

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064766.D
 Acq On : 13 Nov 2025 21:27
 Operator : RC/JU
 Sample : Q3614-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Quant Time: Nov 14 05:04:26 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)

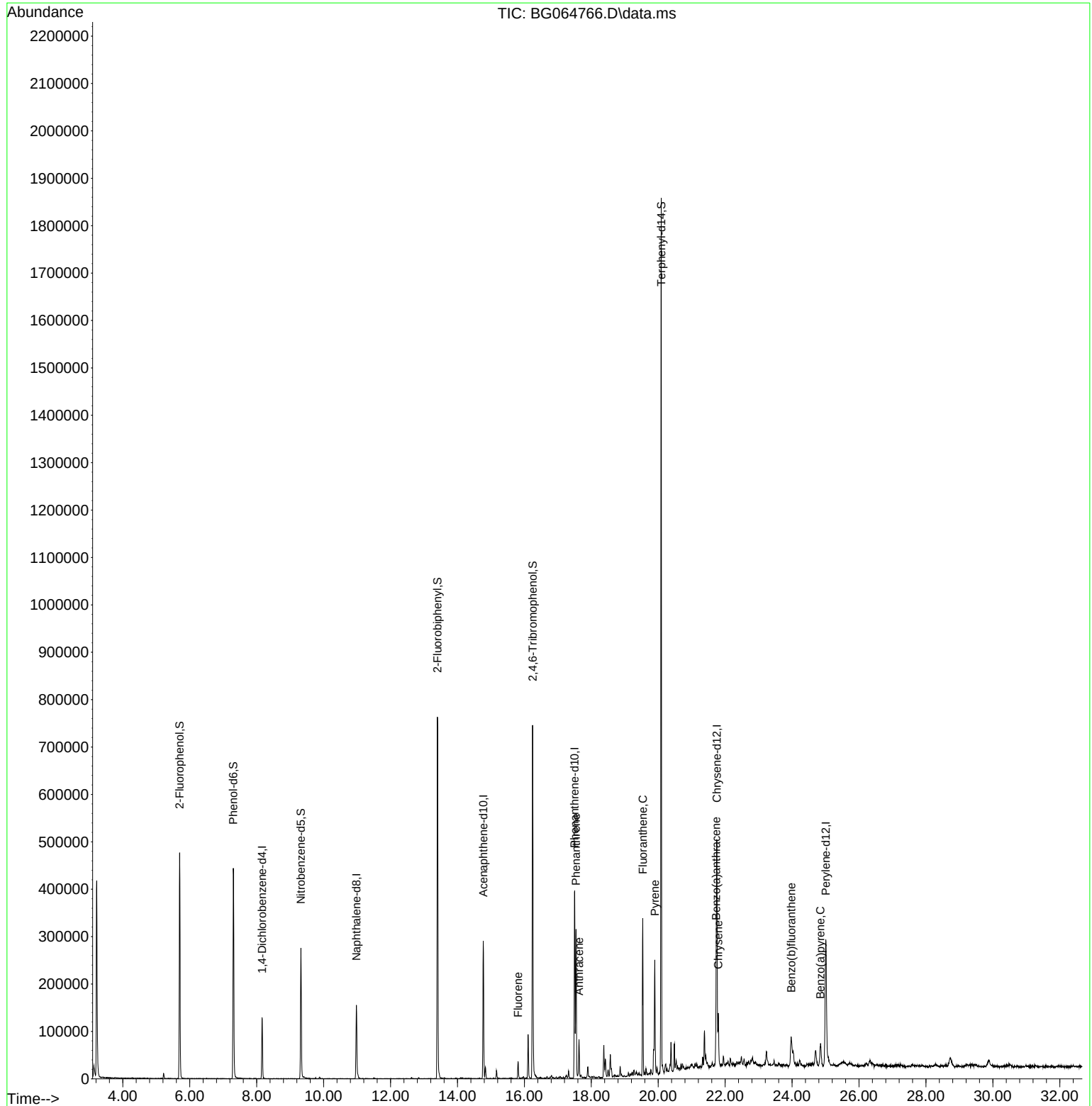
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	37846	20.000	ng	0.00
21) Naphthalene-d8	10.982	136	144314	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	117322	20.000	ng	0.00
64) Phenanthrene-d10	17.497	188	277033	20.000	ng	0.00
76) Chrysene-d12	21.751	240	316134	20.000	ng	0.00
86) Perylene-d12	25.006	264	333844	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.700	112	196887	90.844	ng	0.00
7) Phenol-d6	7.304	99	254076	88.141	ng	0.00
23) Nitrobenzene-d5	9.325	82	160721	55.064	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	187987	82.157	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	451983	53.756	ng	0.00
79) Terphenyl-d14	20.089	244	982055	61.107	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	15.811	166	17989	2.040	ng	94
71) Phenanthrene	17.544	178	220996	14.580	ng	100
72) Anthracene	17.633	178	56463	3.653	ng	99
75) Fluoranthene	19.536	202	223744	10.795	ng	99
78) Pyrene	19.895	202	170056	9.598	ng	97
81) Benzo(a)anthracene	21.728	228	96150	4.473	ng	98
83) Chrysene	21.792	228	77786	3.838	ng	96
88) Benzo(b)fluoranthene	23.972	252	91404	4.302	ng	96
90) Benzo(a)pyrene	24.848	252	60047	3.047	ng	# 95

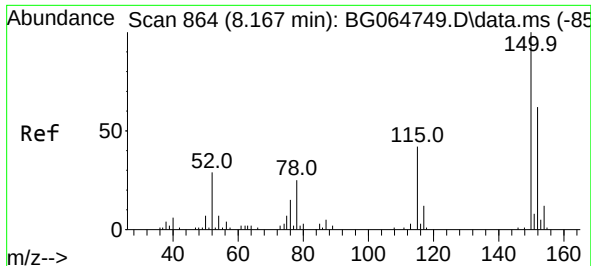
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

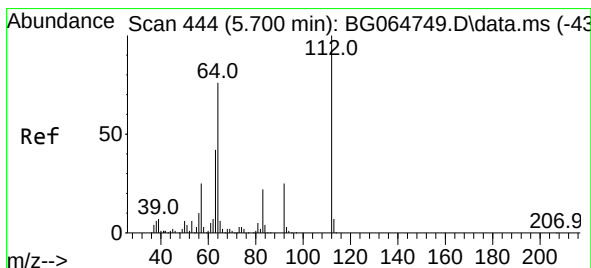
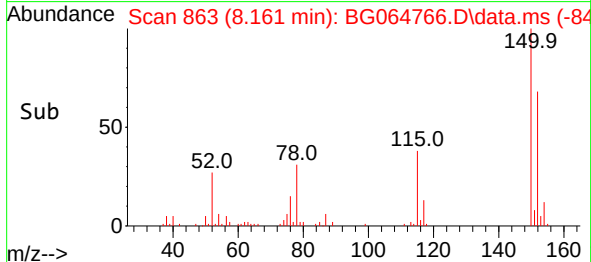
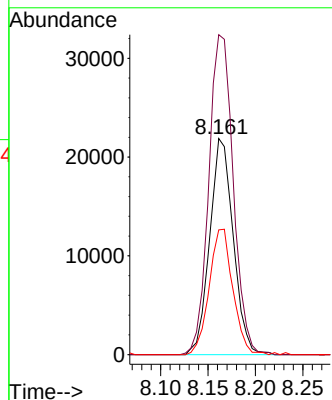
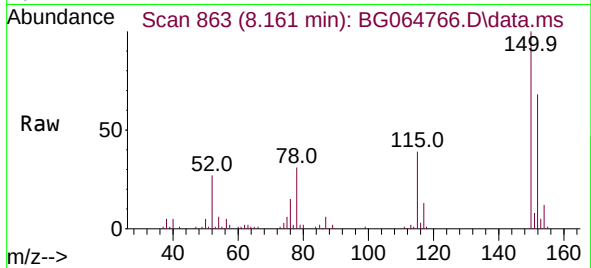




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.161 min Scan# 864
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

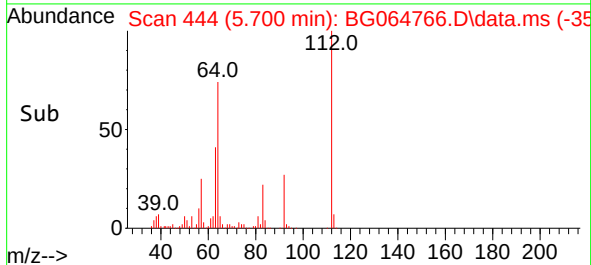
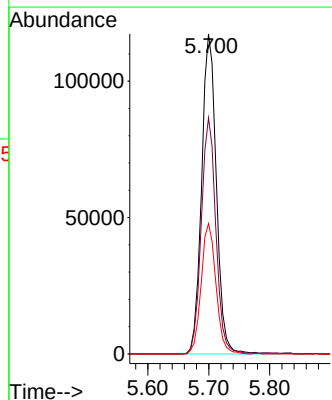
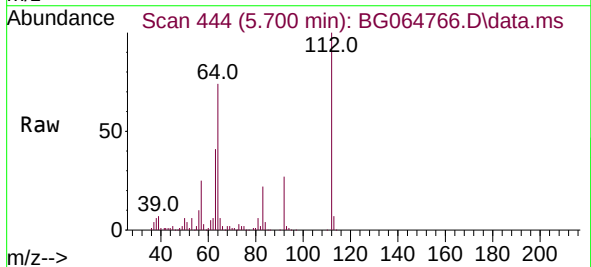
Instrument :
BNA_G
ClientSampleId :
COMP-3

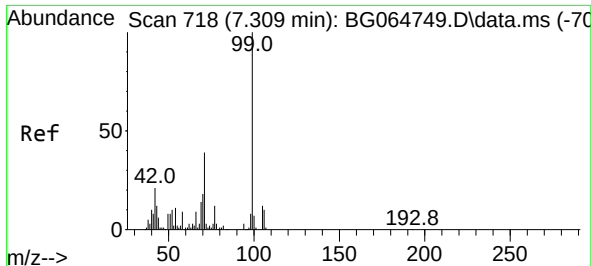
Tgt Ion:152 Resp: 37846
Ion Ratio Lower Upper
152 100
150 148.1 129.2 193.8
115 57.8 53.7 80.5



#5
2-Fluorophenol
Concen: 90.844 ng
RT: 5.700 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:112 Resp: 196887
Ion Ratio Lower Upper
112 100
64 73.8 61.0 91.4
63 40.7 33.3 49.9

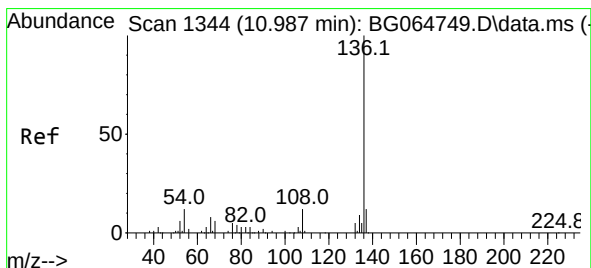
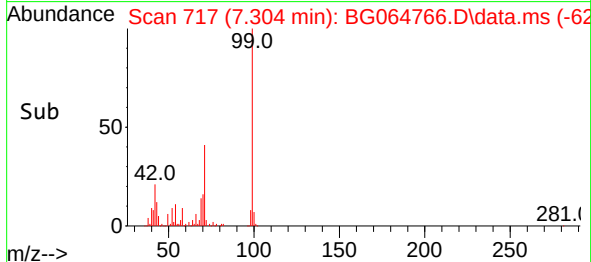
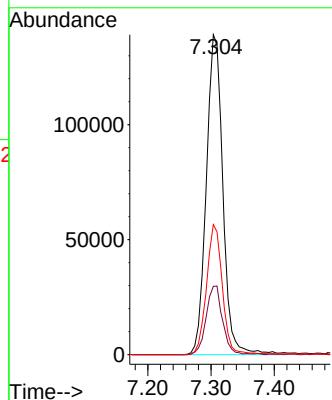
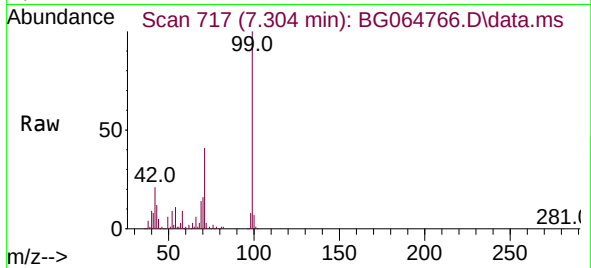




#7
Phenol-d6
Concen: 88.141 ng
RT: 7.304 min Scan# 718
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

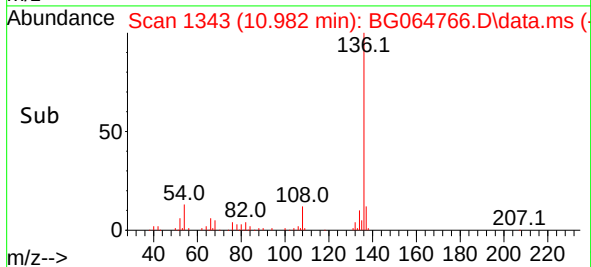
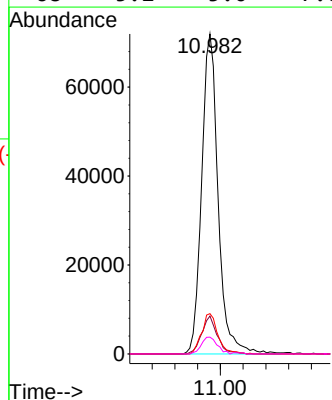
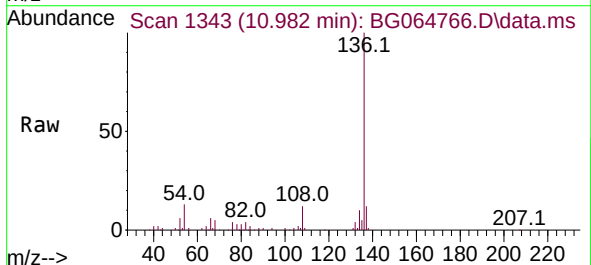
Instrument :
BNA_G
ClientSampleId :
COMP-3

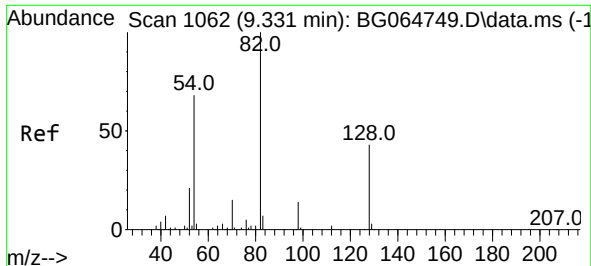
Tgt Ion: 99 Resp: 254076
Ion Ratio Lower Upper
99 100
42 21.3 16.8 25.2
71 40.6 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.982 min Scan# 1343
Delta R.T. -0.005 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion: 136 Resp: 144314
Ion Ratio Lower Upper
136 100
137 11.8 9.3 13.9
54 12.6 9.3 13.9
68 5.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 55.064 ng

RT: 9.325 min Scan# 1061

Delta R.T. -0.006 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

Instrument :

BNA_G

ClientSampleId :

COMP-3

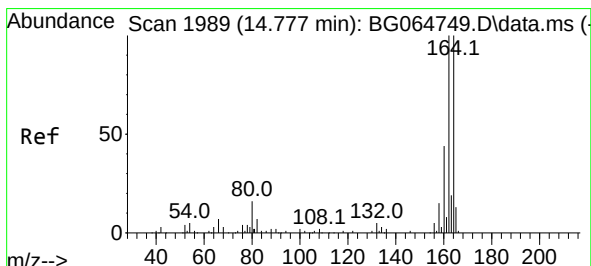
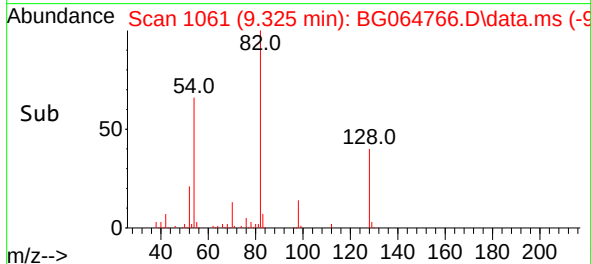
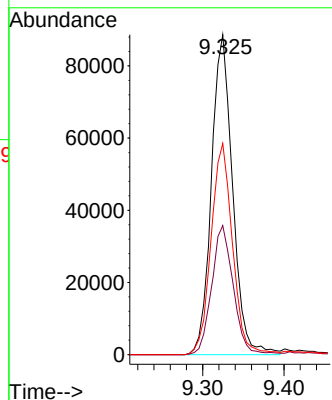
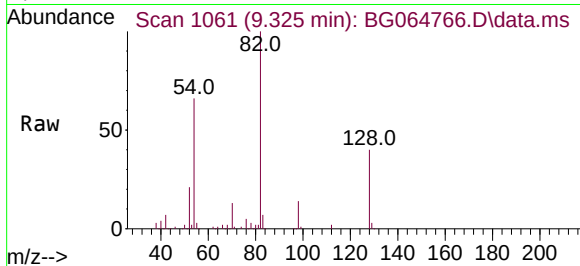
Tgt Ion: 82 Resp: 160721

Ion Ratio Lower Upper

82 100

128 40.3 34.1 51.1

54 66.0 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.771 min Scan# 1988

Delta R.T. -0.006 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

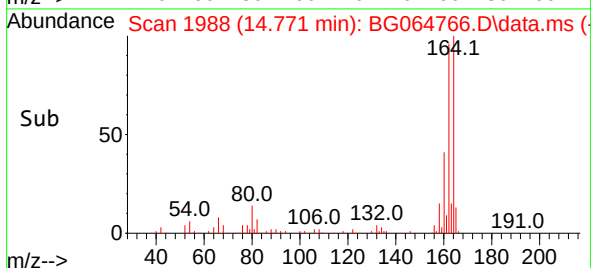
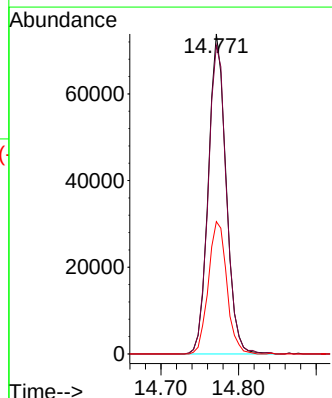
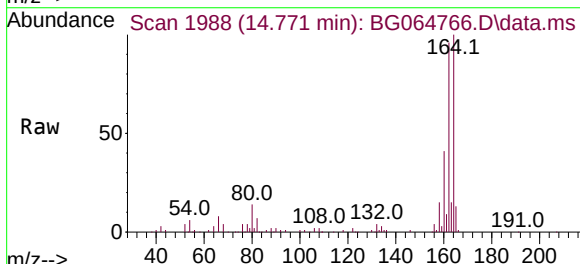
Tgt Ion: 164 Resp: 117322

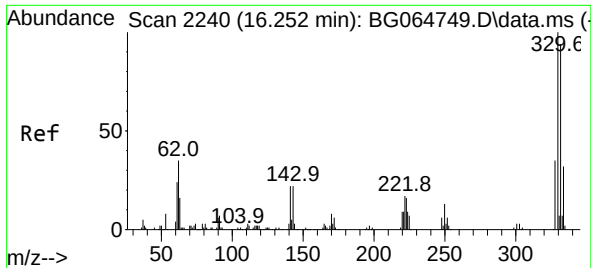
Ion Ratio Lower Upper

164 100

162 96.4 79.8 119.6

160 41.3 34.9 52.3

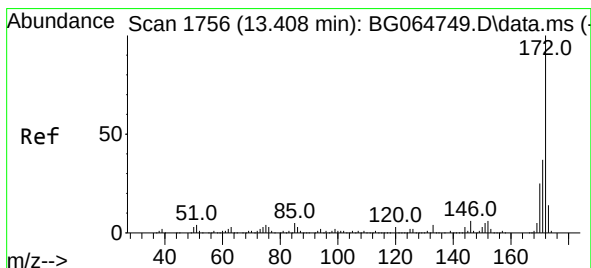
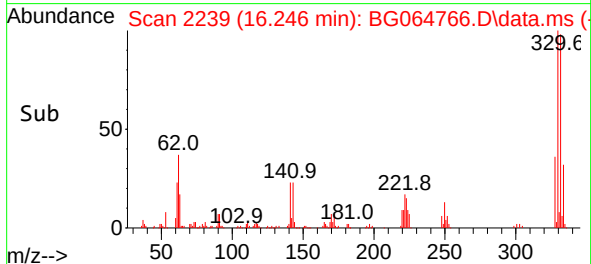
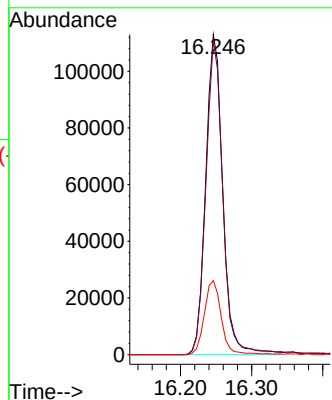
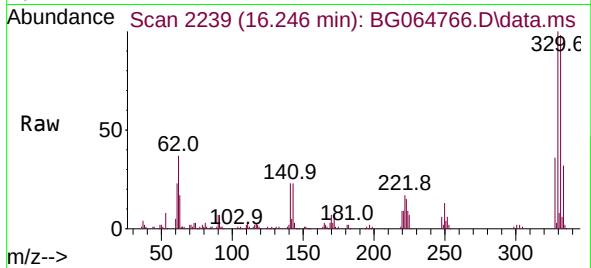




#42
2,4,6-Tribromophenol
Concen: 82.157 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

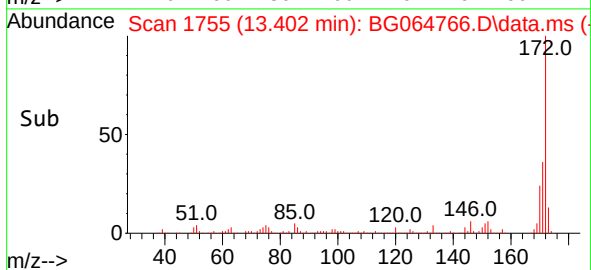
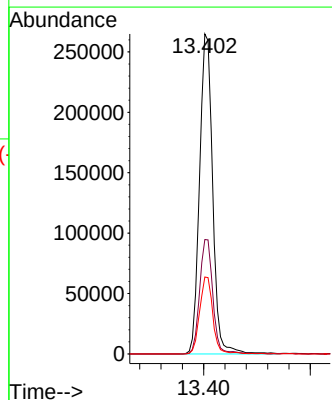
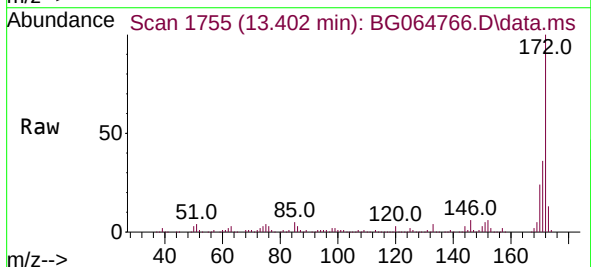
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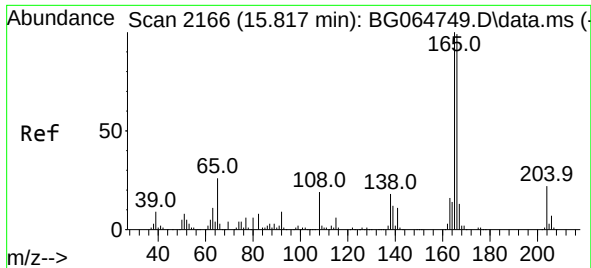
Tgt Ion:330 Resp: 187987
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 22.8 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 53.756 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:172 Resp: 451983
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 24.0 19.8 29.6

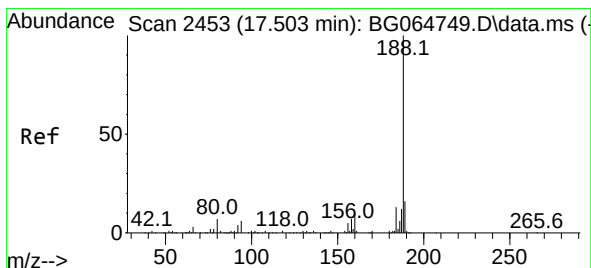
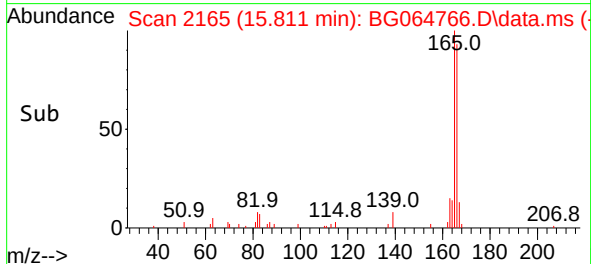
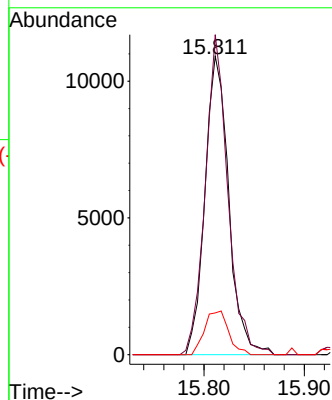
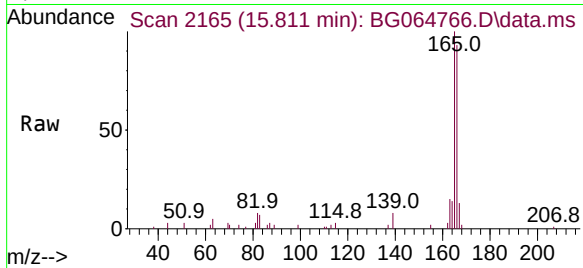




#58
Fluorene
Concen: 2.040 ng
RT: 15.811 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

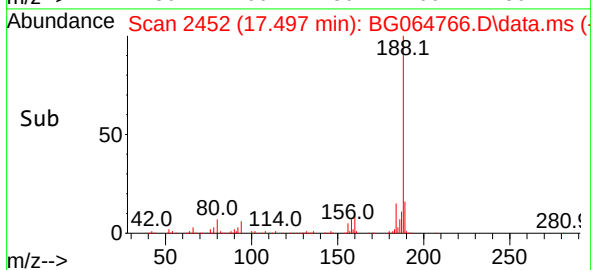
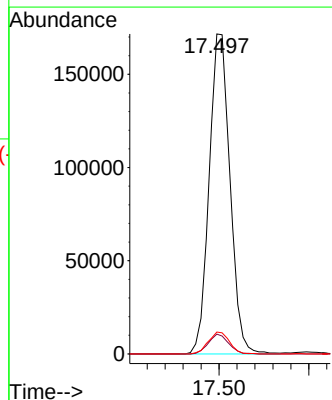
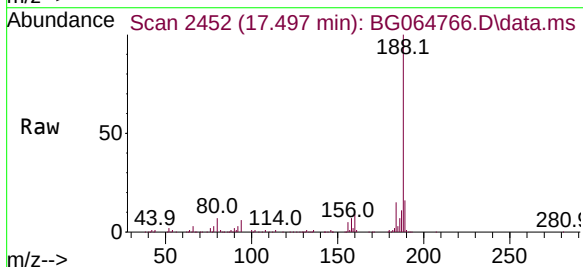
Instrument :
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ClientSampleId :
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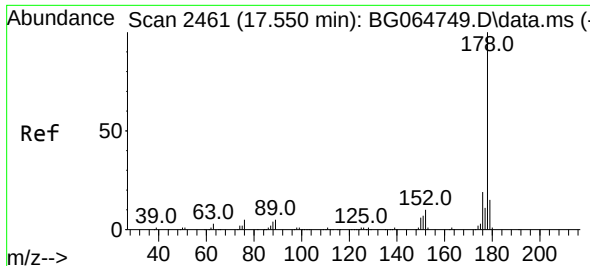
Tgt Ion:166 Resp: 17989
Ion Ratio Lower Upper
166 100
165 107.2 80.5 120.7
167 14.0 10.3 15.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.497 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:188 Resp: 277033
Ion Ratio Lower Upper
188 100
94 6.2 4.7 7.1
80 6.8 5.4 8.2

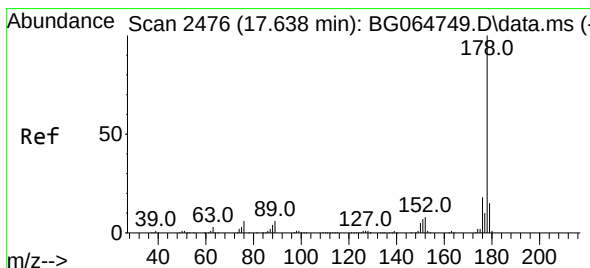
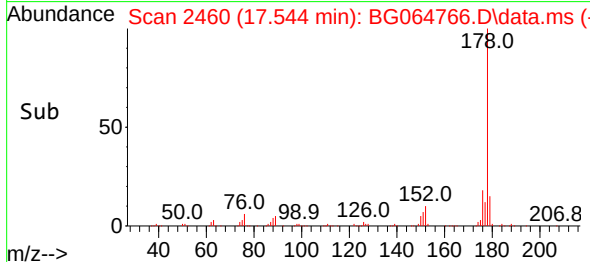
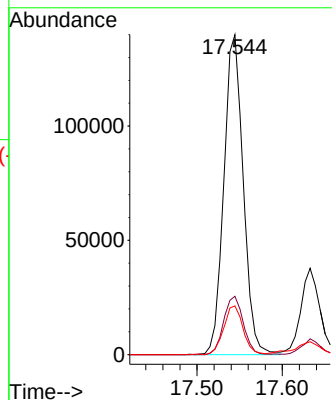
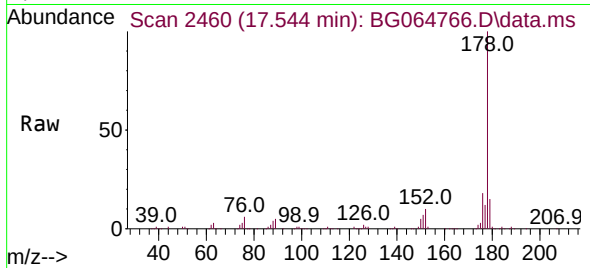




#71
Phenanthrene
Concen: 14.580 ng
RT: 17.544 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

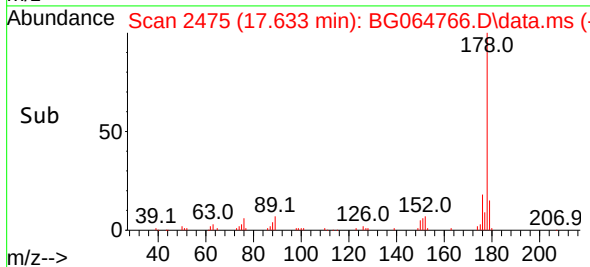
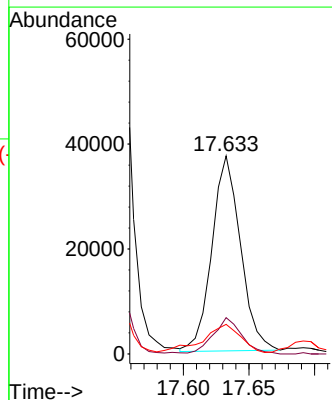
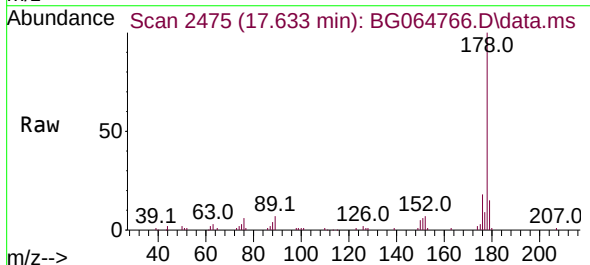
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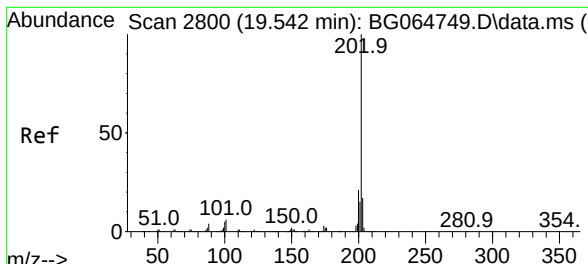
Tgt Ion:178 Resp: 220996
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.2 12.2 18.4



#72
Anthracene
Concen: 3.653 ng
RT: 17.633 min Scan# 2475
Delta R.T. -0.006 min
Lab File: BG064766.D
Acq: 13 Nov 2025 21:27

Tgt Ion:178 Resp: 56463
Ion Ratio Lower Upper
178 100
176 18.3 14.5 21.7
179 14.9 12.2 18.4

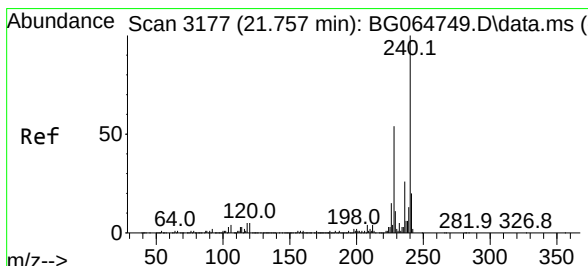
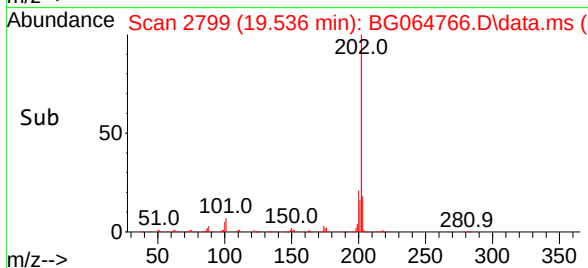
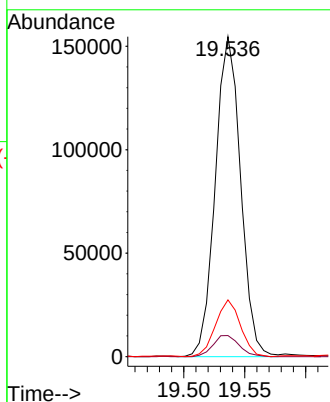
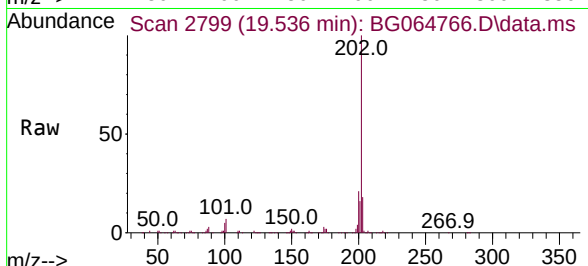




#75
 Fluoranthene
 Concen: 10.795 ng
 RT: 19.536 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

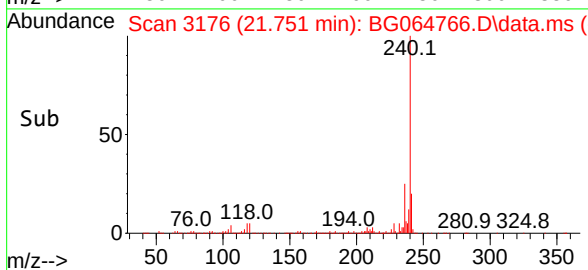
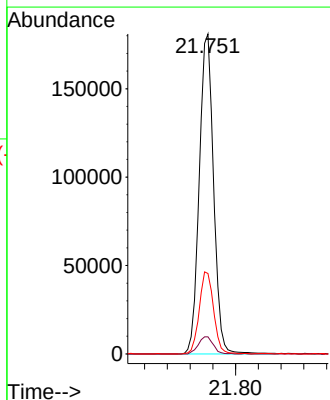
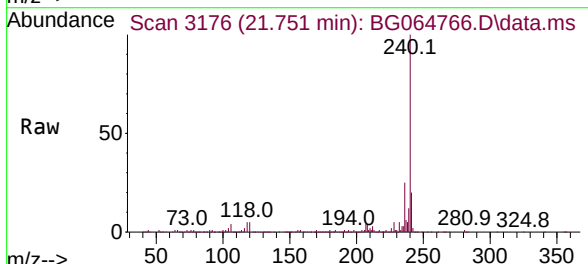
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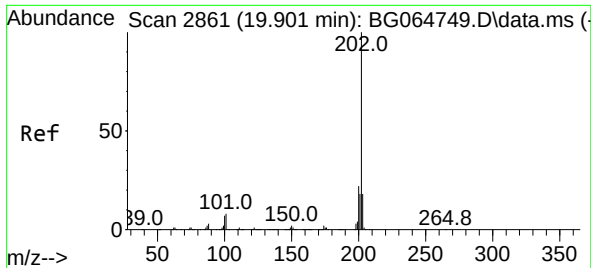
Tgt Ion:	202	Resp:	223744
Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	26.4
203	17.7	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.751 min Scan# 3176
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

Tgt Ion:	240	Resp:	316134
Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.2	6.4
236	25.2	20.8	31.2

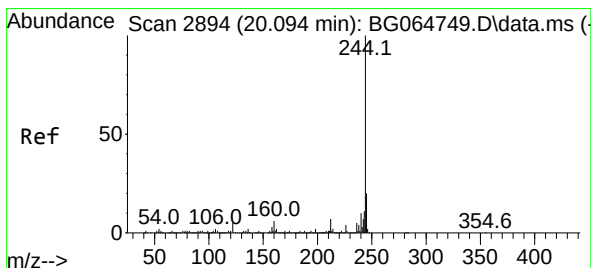
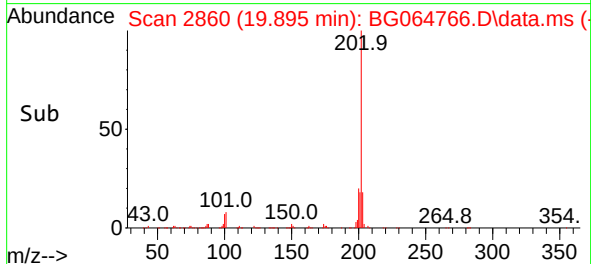
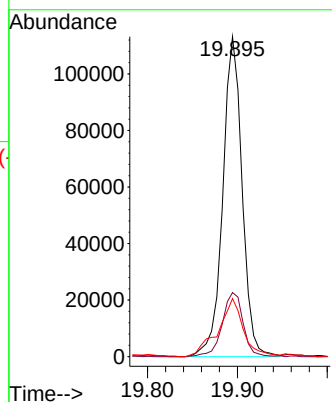
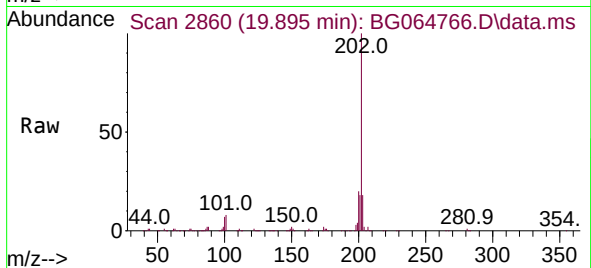




#78
 Pyrene
 Concen: 9.598 ng
 RT: 19.895 min Scan# 2860
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

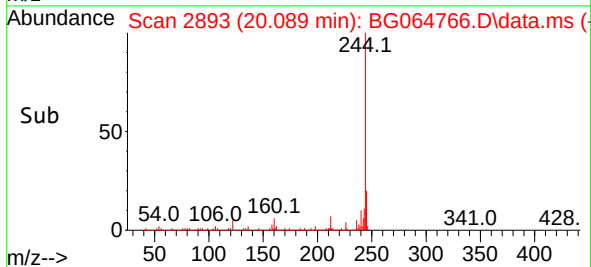
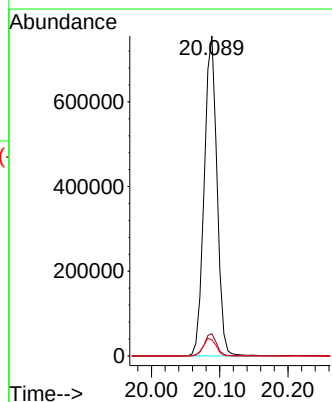
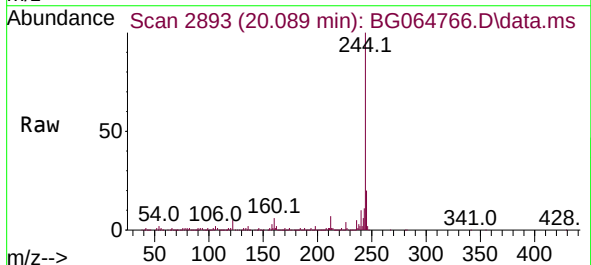
Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

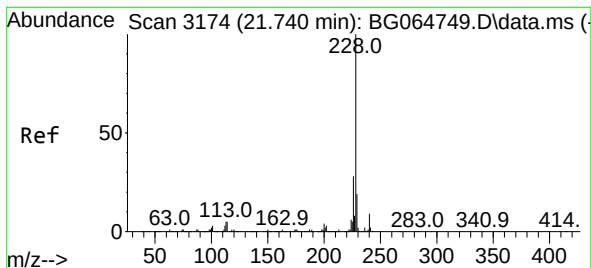
Tgt Ion:202 Resp: 170056
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.9 26.9
 203 18.1 14.0 21.0



#79
 Terphenyl-d14
 Concen: 61.107 ng
 RT: 20.089 min Scan# 2893
 Delta R.T. -0.006 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

Tgt Ion:244 Resp: 982055
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 5.0 4.3 6.5





#81

Benzo(a)anthracene

Concen: 4.473 ng

RT: 21.728 min Scan# 3172

Delta R.T. -0.012 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

Instrument :

BNA_G

ClientSampleId :

COMP-3

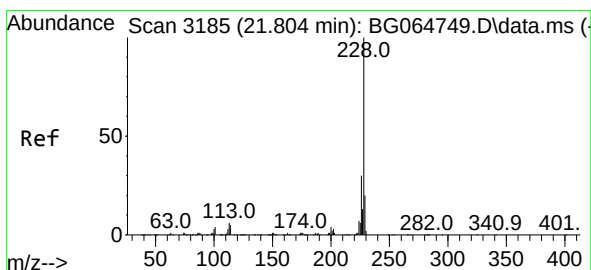
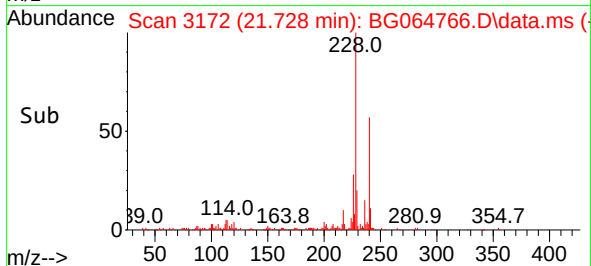
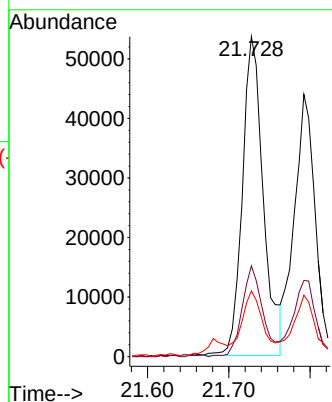
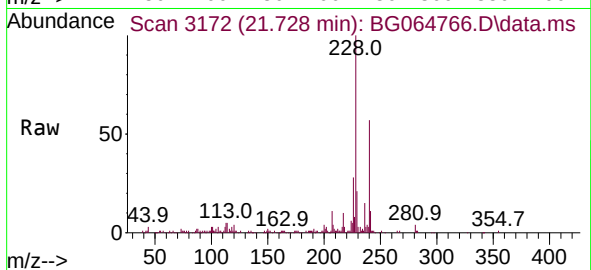
Tgt Ion:228 Resp: 96150

Ion Ratio Lower Upper

228 100

226 28.4 22.1 33.1

229 20.5 15.5 23.3



#83

Chrysene

Concen: 3.838 ng

RT: 21.792 min Scan# 3183

Delta R.T. -0.012 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

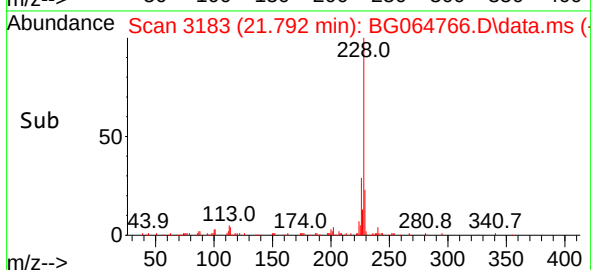
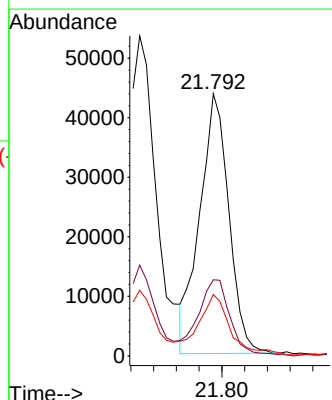
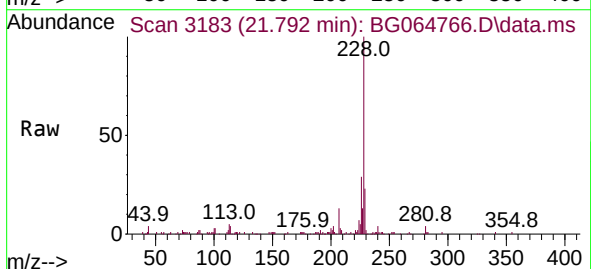
Tgt Ion:228 Resp: 77786

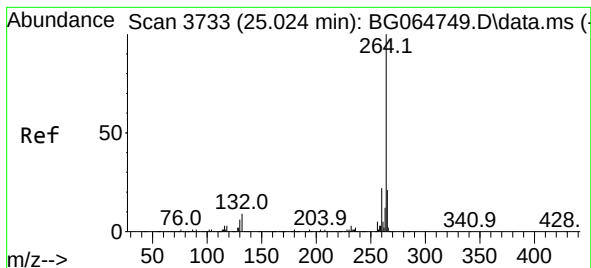
Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

229 23.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.006 min Scan# 31

Delta R.T. -0.018 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

Instrument :

BNA_G

ClientSampleId :

COMP-3

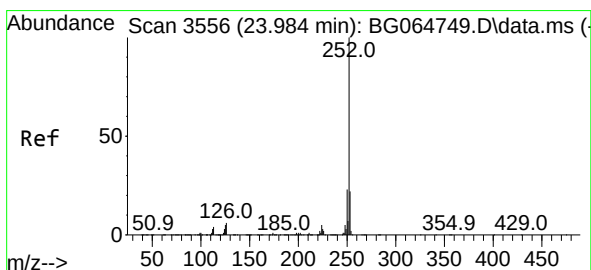
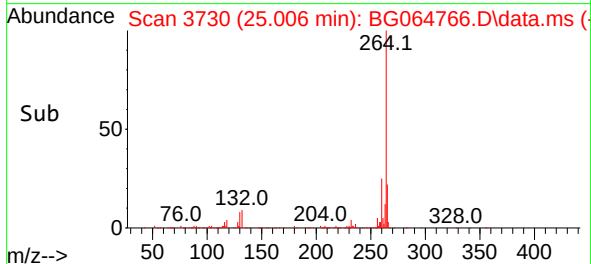
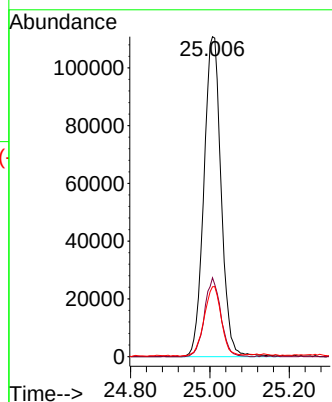
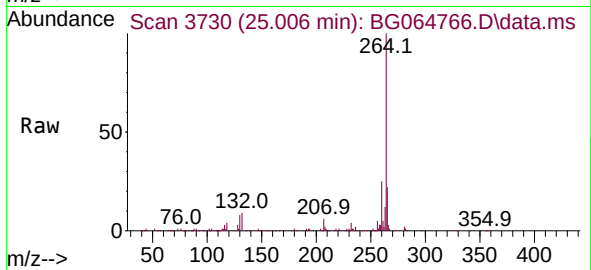
Tgt Ion:264 Resp: 333844

Ion Ratio Lower Upper

264 100

260 24.6 17.2 25.8

265 21.8 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.302 ng

RT: 23.972 min Scan# 3554

Delta R.T. -0.012 min

Lab File: BG064766.D

Acq: 13 Nov 2025 21:27

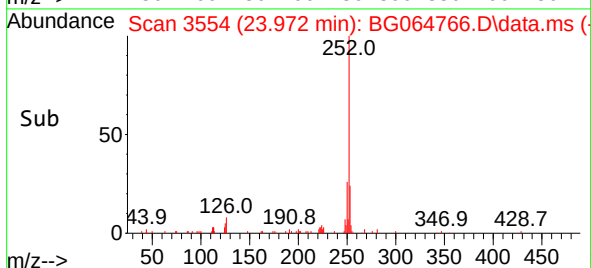
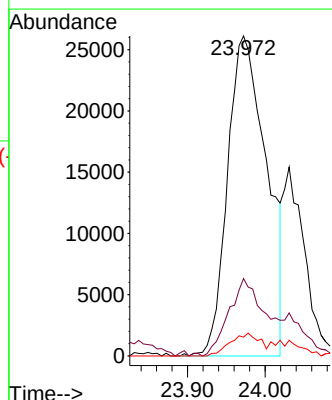
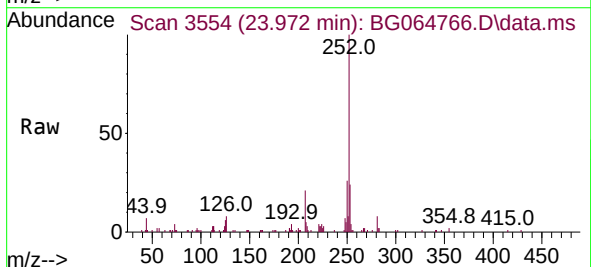
Tgt Ion:252 Resp: 91404

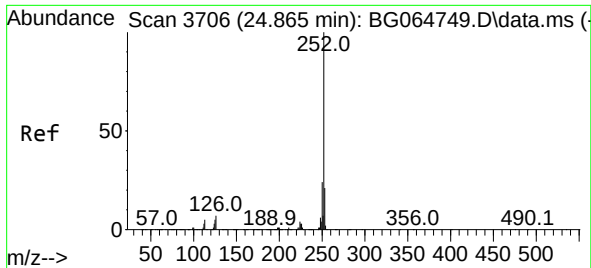
Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.2

125 5.9 4.2 6.2





#90
 Benzo(a)pyrene
 Concen: 3.047 ng
 RT: 24.848 min Scan# 31
 Delta R.T. -0.018 min
 Lab File: BG064766.D
 Acq: 13 Nov 2025 21:27

Instrument :
 BNA_G
 ClientSampleId :
 COMP-3

Tgt Ion:252 Resp: 60047
 Ion Ratio Lower Upper
 252 100
 253 23.7 16.9 25.3
 125 6.4 4.2 6.4#

