

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064657.D
 Acq On : 31 Oct 2025 15:31
 Operator : RC/JU
 Sample : Q3497-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-103025

Quant Time: Oct 31 16:08:45 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)

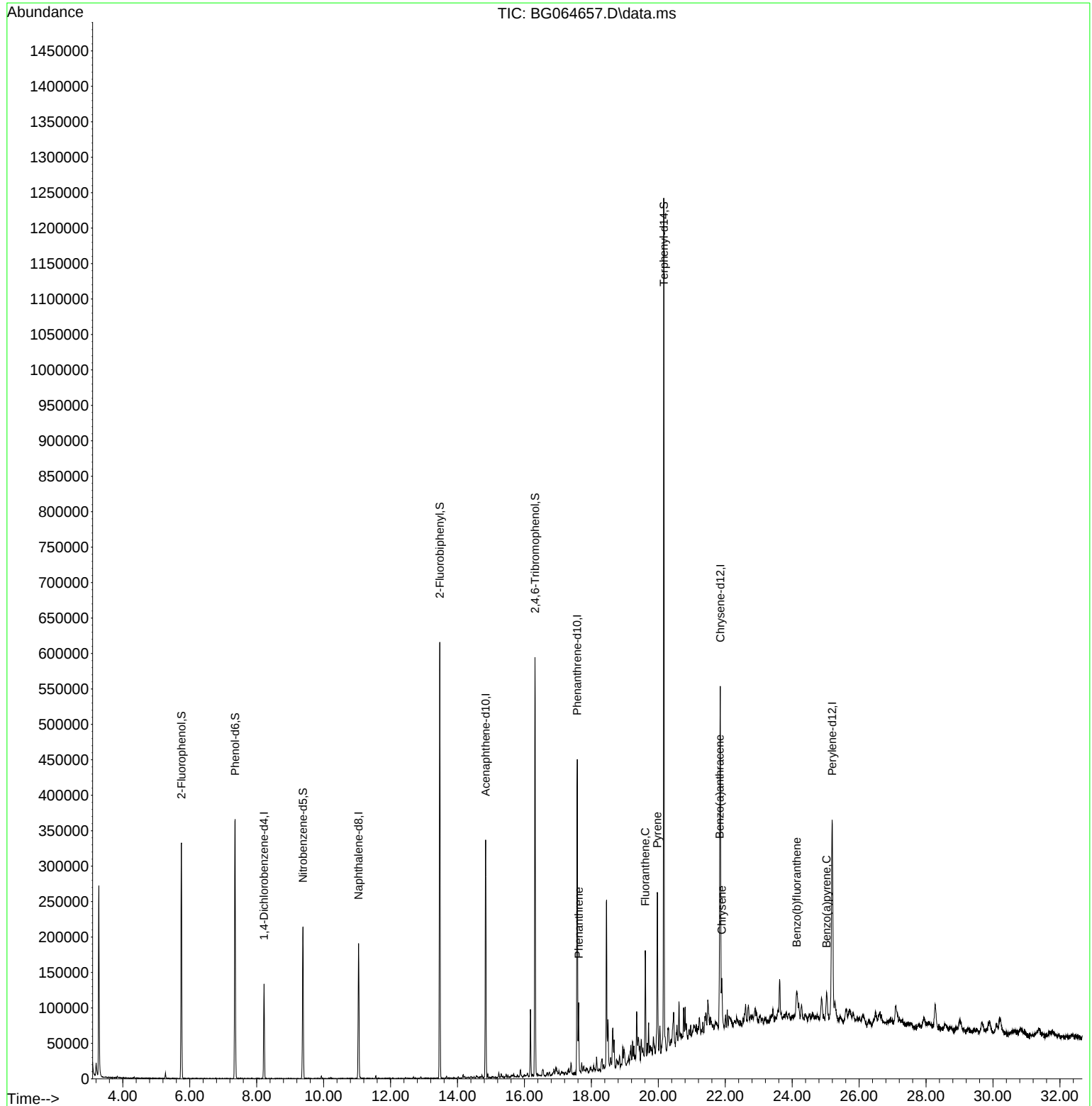
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	37853	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	155721	20.000	ng	# 0.00
39) Acenaphthene-d10	14.840	164	123578	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	282456	20.000	ng	0.00
76) Chrysene-d12	21.850	240	302539	20.000	ng	-0.01
86) Perylene-d12	25.193	264	340038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.751	112	136789	60.656	ng	0.00
7) Phenol-d6	7.355	99	203854	65.875	ng	0.00
23) Nitrobenzene-d5	9.382	82	122622	47.296	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	128528	72.061	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	323405	39.667	ng	0.00
79) Terphenyl-d14	20.163	244	613519	38.270	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.619	178	64269	4.161	ng	98
75) Fluoranthene	19.611	202	90030	4.653	ng	98
78) Pyrene	19.970	202	146218	7.397	ng	99
81) Benzo(a)anthracene	21.832	228	51253	2.555	ng	# 91
83) Chrysene	21.897	228	52476	2.749	ng	# 94
88) Benzo(b)fluoranthene	24.135	252	48916	2.346	ng	# 93
90) Benzo(a)pyrene	25.028	252	48273	2.519	ng	# 91

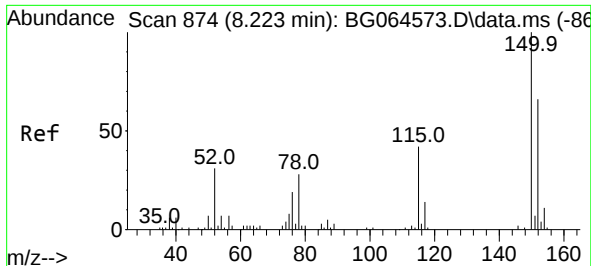
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064657.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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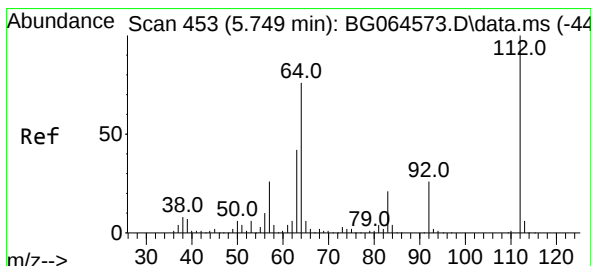
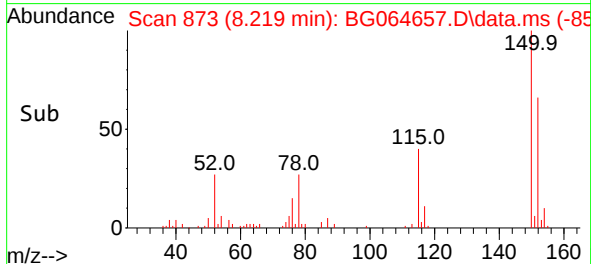
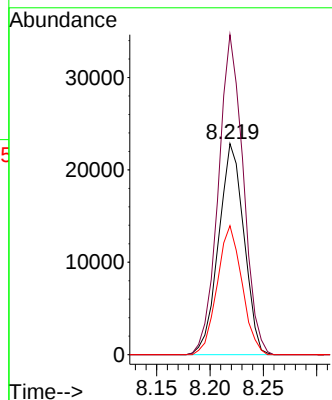
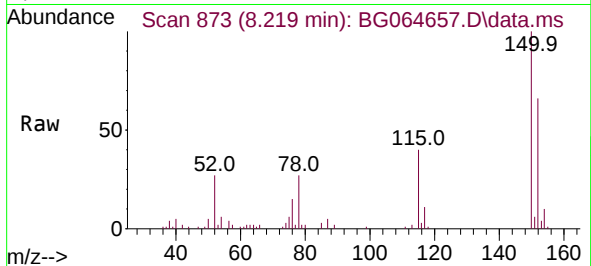




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

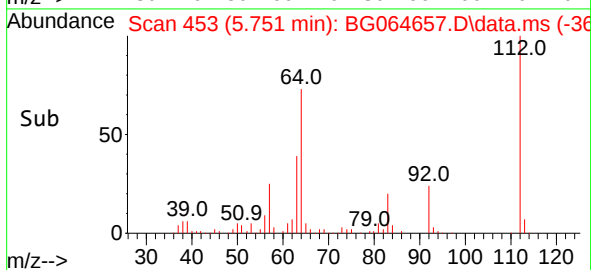
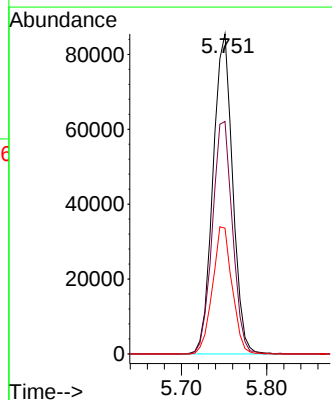
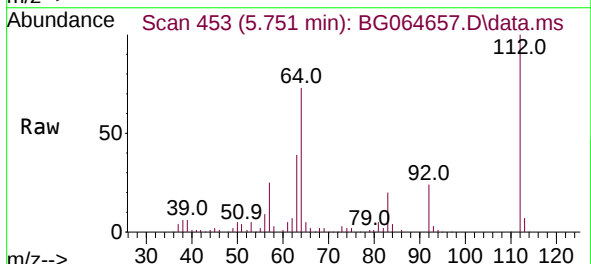
Instrument :
BNA_G
ClientSampleId :
OK-01-103025

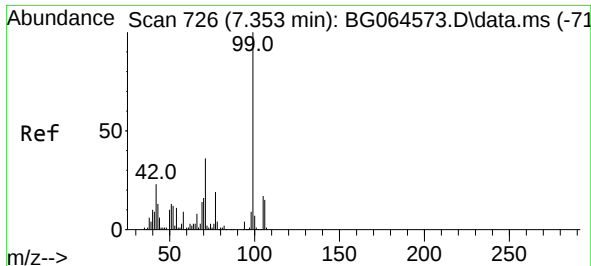
Tgt Ion:152 Resp: 37853
Ion Ratio Lower Upper
152 100
150 151.6 122.2 183.4
115 61.1 50.8 76.2



#5
2-Fluorophenol
Concen: 60.656 ng
RT: 5.751 min Scan# 453
Delta R.T. 0.004 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:112 Resp: 136789
Ion Ratio Lower Upper
112 100
64 72.6 60.7 91.1
63 39.3 33.4 50.0

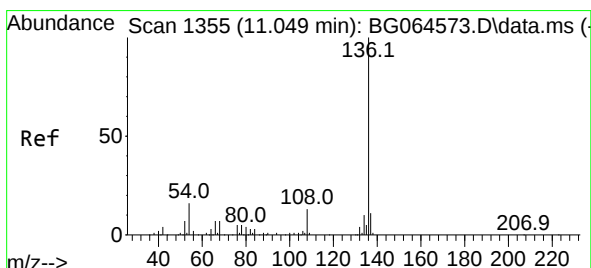
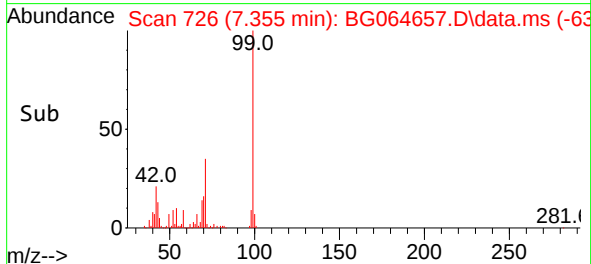
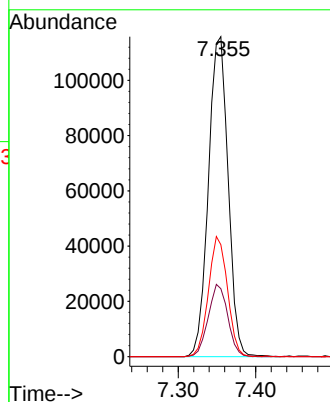
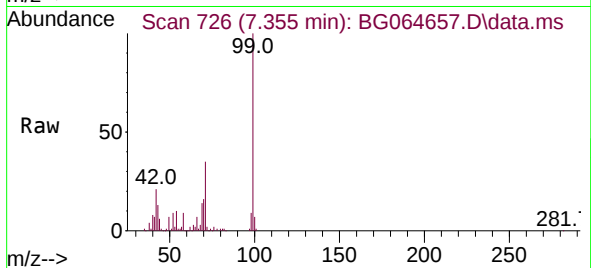




#7
Phenol-d6
Concen: 65.875 ng
RT: 7.355 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

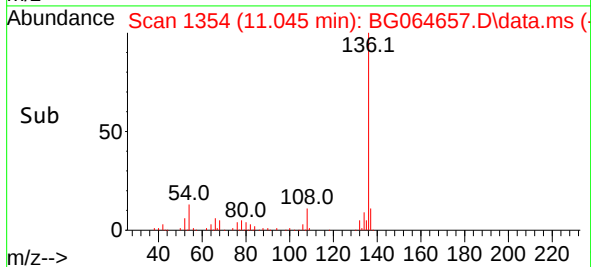
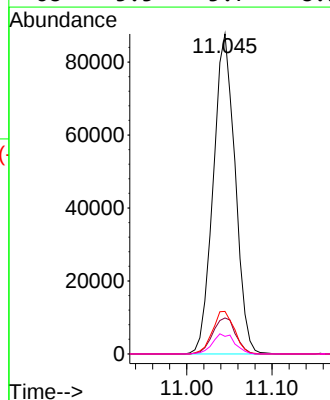
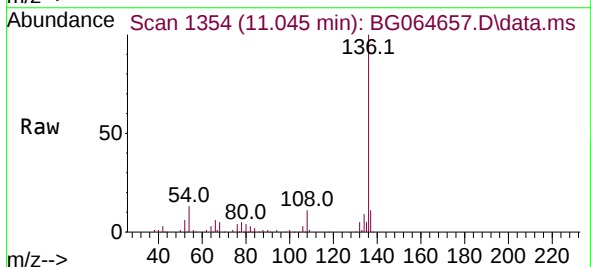
Instrument :
BNA_G
ClientSampleId :
OK-01-103025

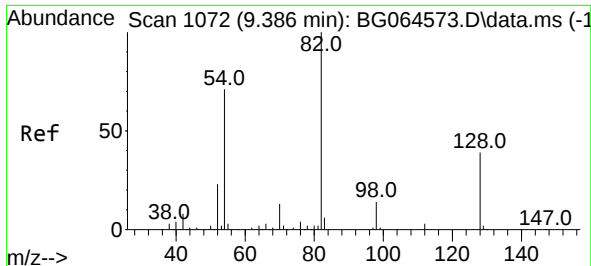
Tgt Ion: 99 Resp: 203854
Ion Ratio Lower Upper
99 100
42 21.2 18.3 27.5
71 35.0 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1354
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion: 136 Resp: 155721
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 13.3 12.6 19.0
68 5.5 5.7 8.5#





#23

Nitrobenzene-d5

Concen: 47.296 ng

RT: 9.382 min Scan# 10

Delta R.T. -0.008 min

Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

Instrument :

BNA_G

ClientSampleId :

OK-01-103025

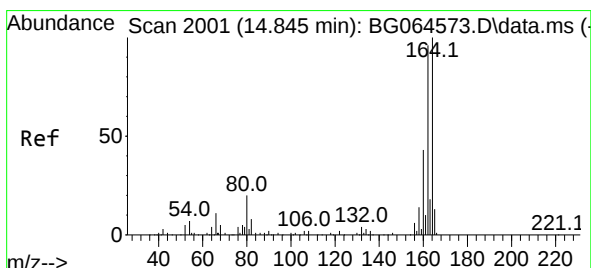
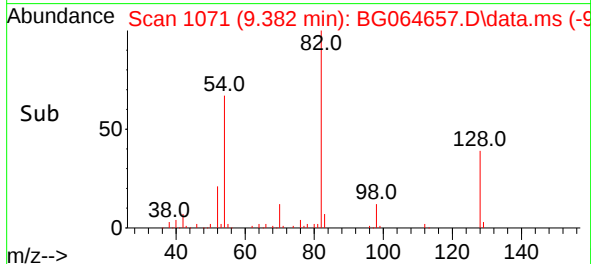
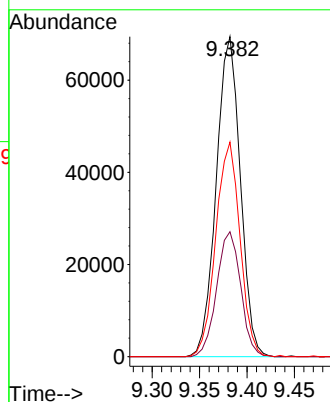
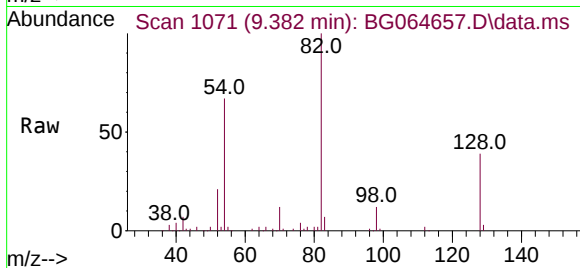
Tgt Ion: 82 Resp: 122622

Ion Ratio Lower Upper

82 100

128 39.0 31.3 46.9

54 67.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2000

Delta R.T. -0.002 min

Lab File: BG064657.D

Acq: 31 Oct 2025 15:31

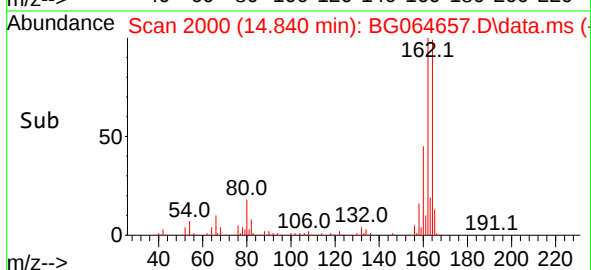
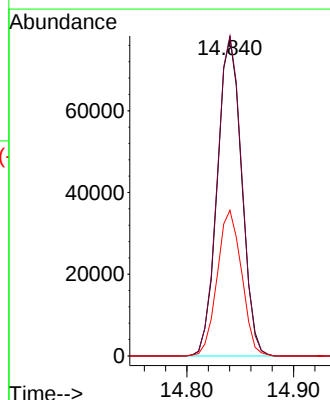
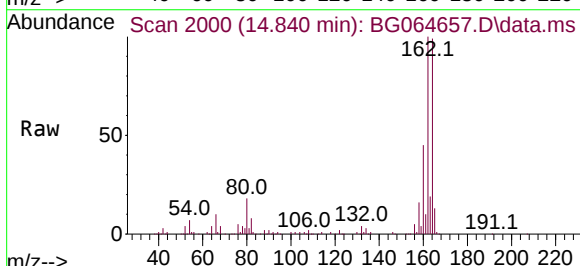
Tgt Ion: 164 Resp: 123578

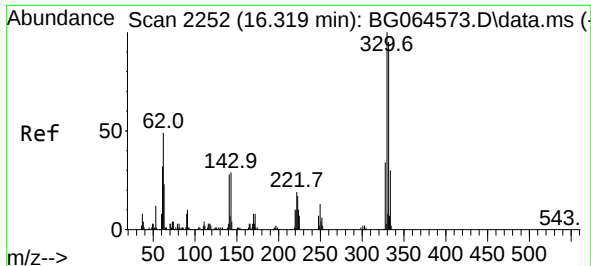
Ion Ratio Lower Upper

164 100

162 100.6 77.0 115.6

160 45.8 34.4 51.6

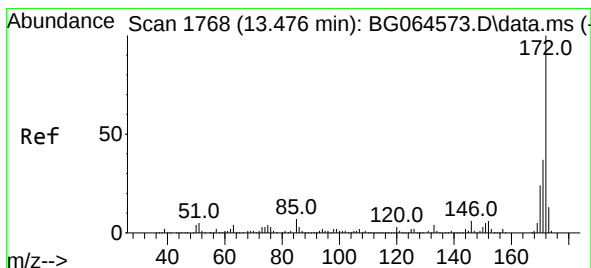
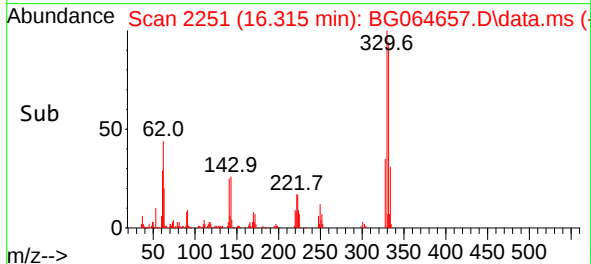
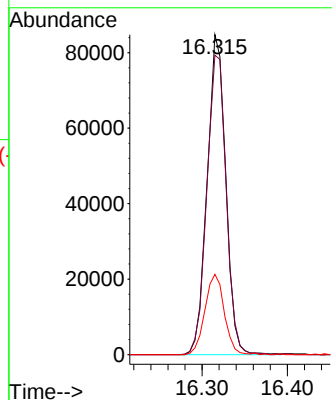
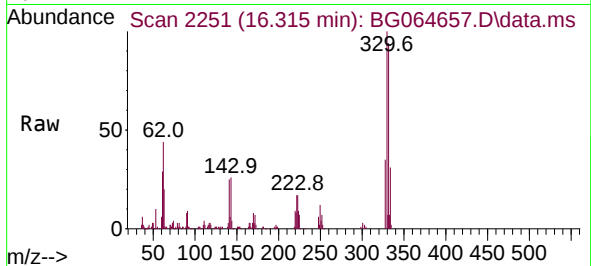




#42
2,4,6-Tribromophenol
Concen: 72.061 ng
RT: 16.315 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

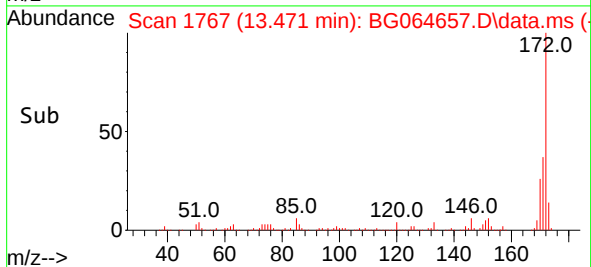
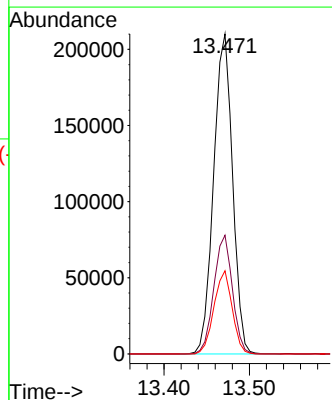
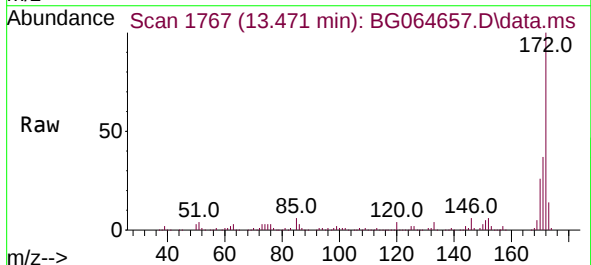
Instrument :
BNA_G
ClientSampleId :
OK-01-103025

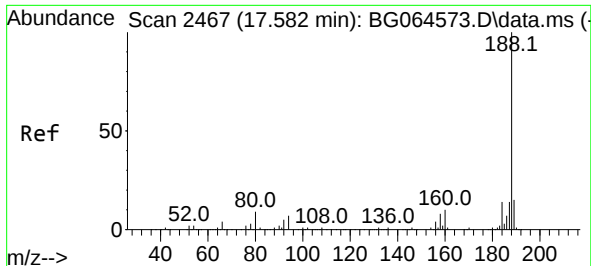
Tgt Ion:330 Resp: 128528
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 26.1 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 39.667 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:172 Resp: 323405
Ion Ratio Lower Upper
172 100
171 37.1 29.4 44.0
170 26.0 19.1 28.7

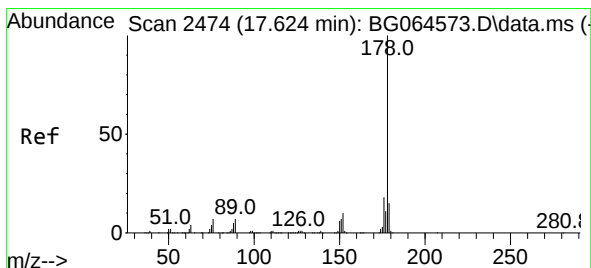
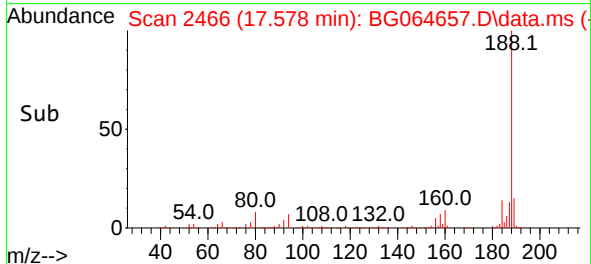
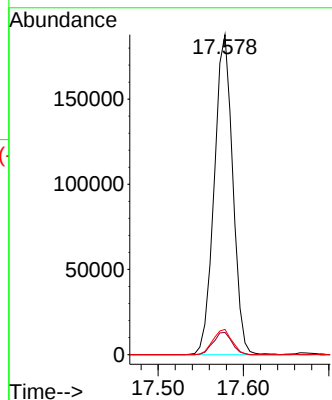
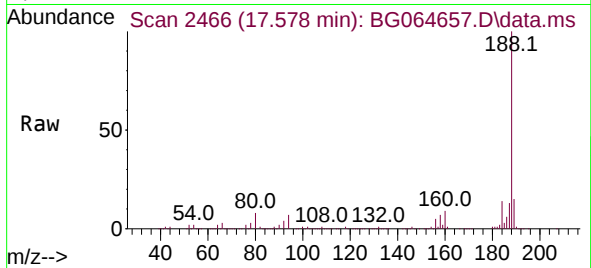




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

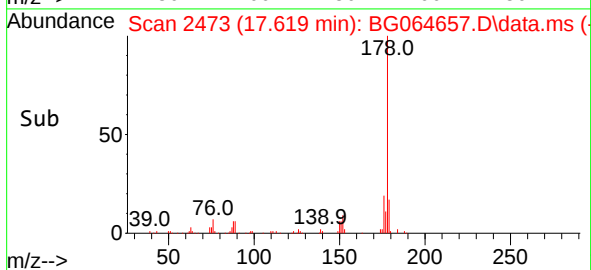
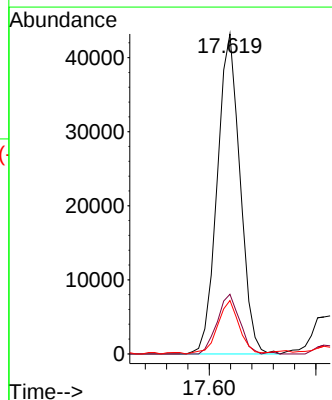
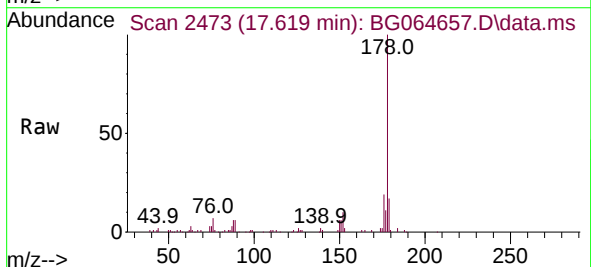
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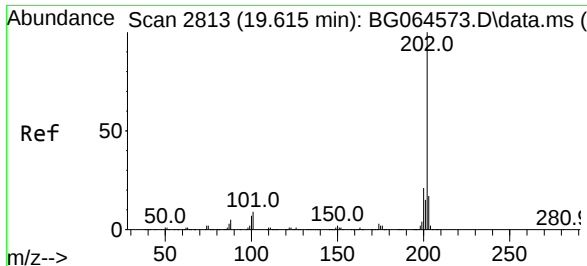
Tgt Ion:188 Resp: 282456
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.9 6.8 10.2



#71
Phenanthrene
Concen: 4.161 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:178 Resp: 64269
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 16.7 12.2 18.4

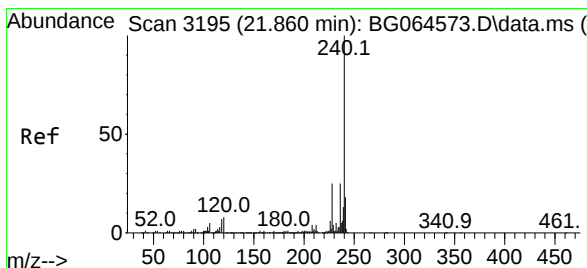
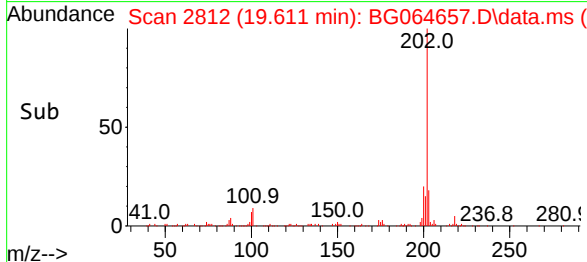
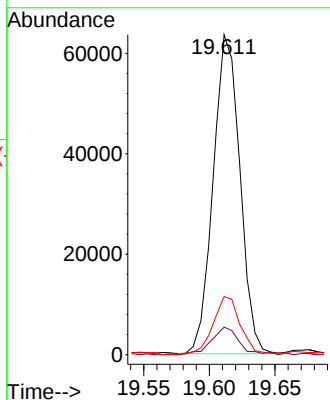
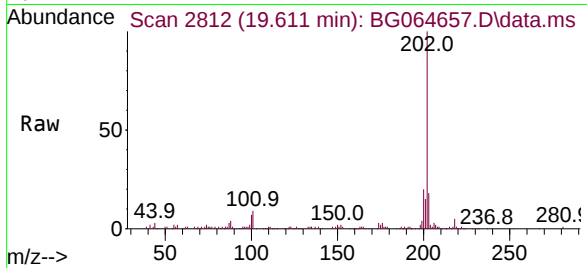




#75
Fluoranthene
Concen: 4.653 ng
RT: 19.611 min Scan# 2812
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

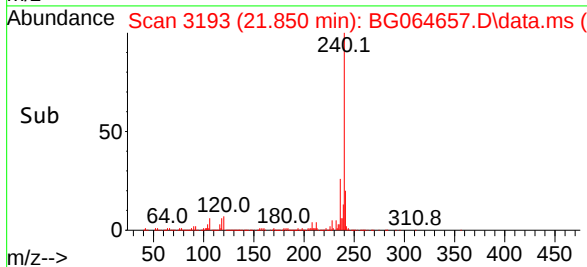
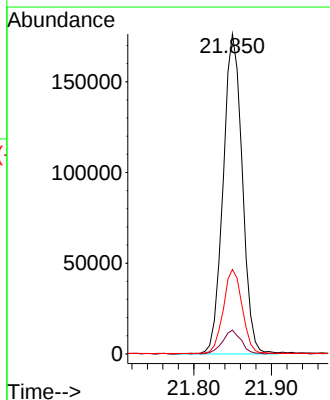
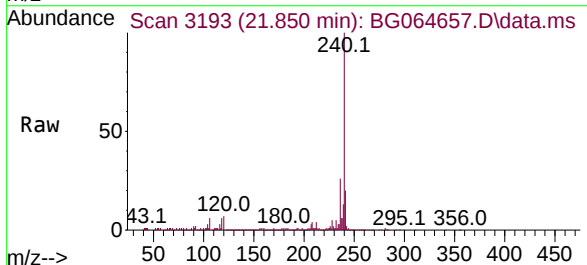
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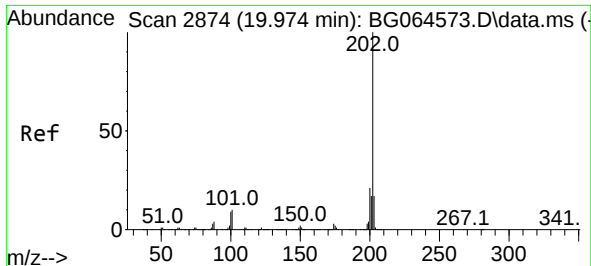
Tgt Ion:202	Resp:	90030
Ion Ratio	Lower	Upper
202	100	
101	8.6	0.0 28.7
203	18.1	0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.850 min Scan# 3193
Delta R.T. -0.014 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:240	Resp:	302539
Ion Ratio	Lower	Upper
240	100	
120	7.4	6.5 9.7
236	26.4	20.2 30.2

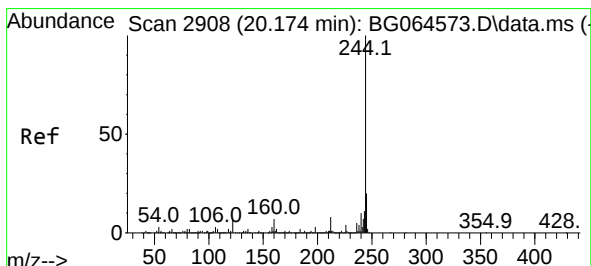
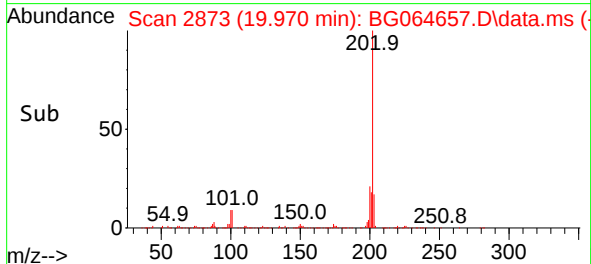
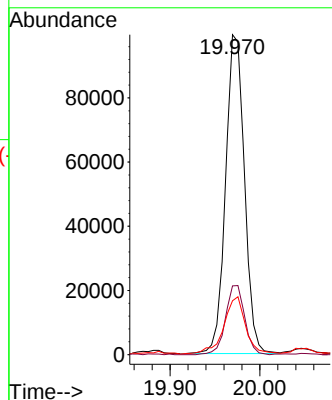
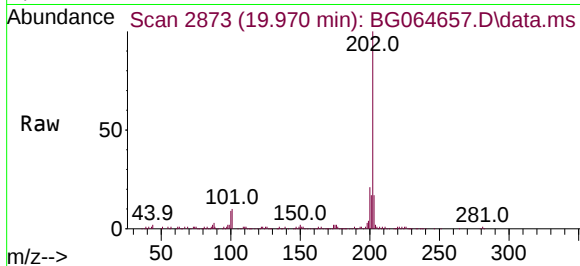




#78
 Pyrene
 Concen: 7.397 ng
 RT: 19.970 min Scan# 2874
 Delta R.T. -0.008 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

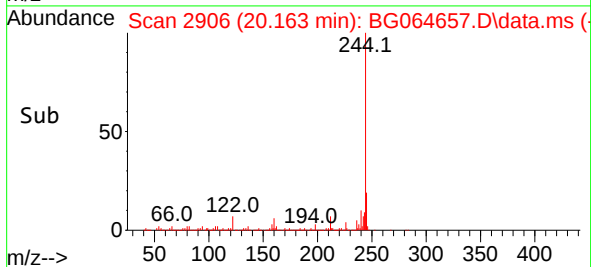
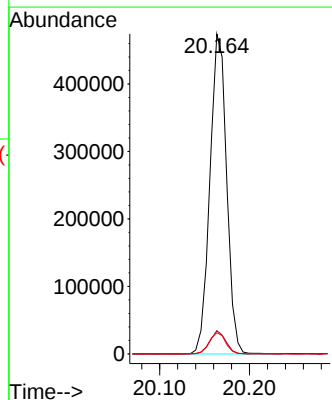
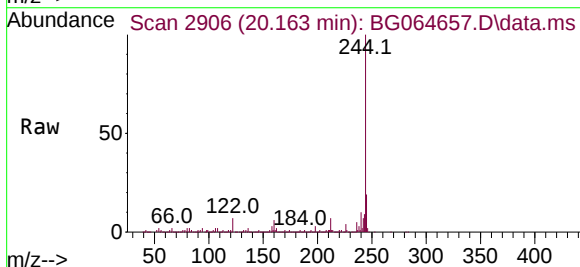
Instrument :
 BNA_G
 ClientSampleId :
 OK-01-103025

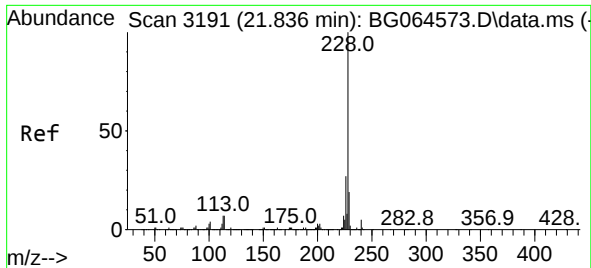
Tgt Ion:202 Resp: 146218
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.4
 203 16.9 13.8 20.6



#79
 Terphenyl-d14
 Concen: 38.270 ng
 RT: 20.163 min Scan# 2906
 Delta R.T. -0.014 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

Tgt Ion:244 Resp: 613519
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 6.6 5.6 8.4

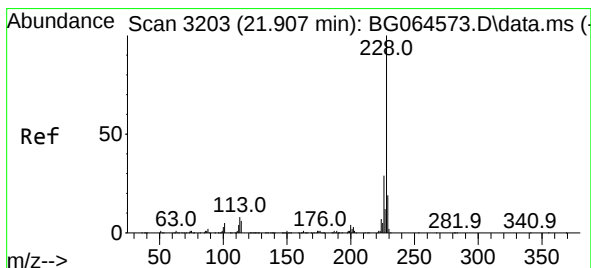
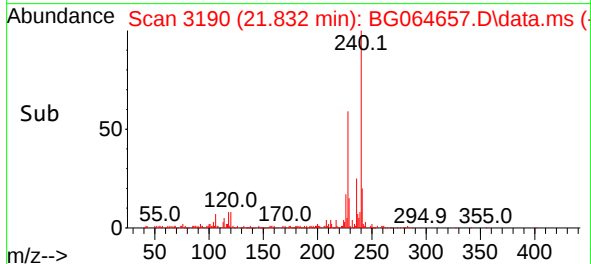
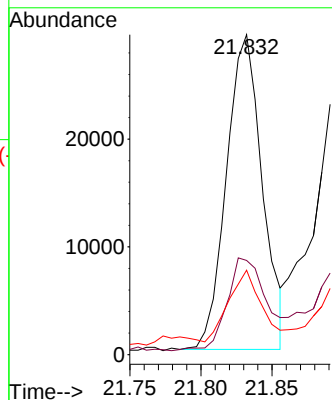
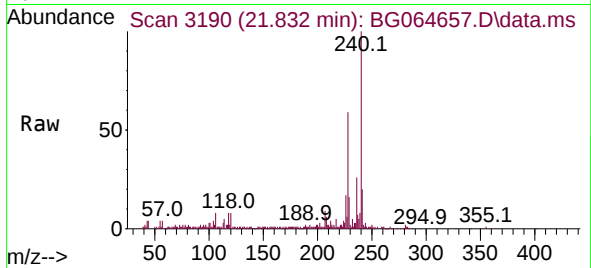




#81
Benzo(a)anthracene
Concen: 2.555 ng
RT: 21.832 min Scan# 3191
Delta R.T. -0.008 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

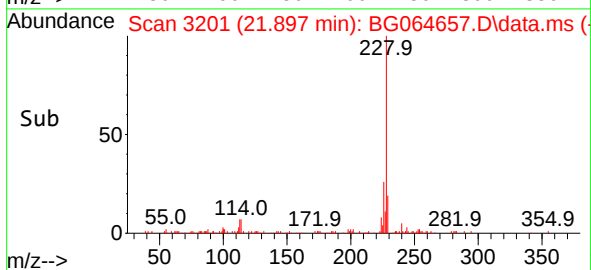
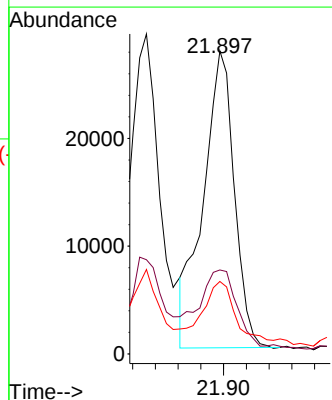
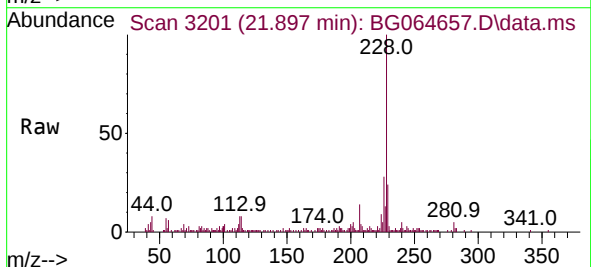
Instrument :
BNA_G
ClientSampleId :
OK-01-103025

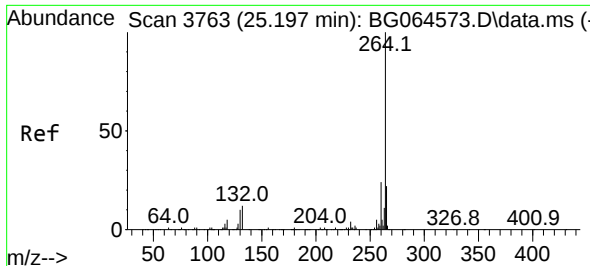
Tgt Ion:228 Resp: 51253
Ion Ratio Lower Upper
228 100
226 29.4 21.9 32.9
229 26.4 15.6 23.4#



#83
Chrysene
Concen: 2.749 ng
RT: 21.897 min Scan# 3201
Delta R.T. -0.014 min
Lab File: BG064657.D
Acq: 31 Oct 2025 15:31

Tgt Ion:228 Resp: 52476
Ion Ratio Lower Upper
228 100
226 27.7 23.3 34.9
229 23.9 15.2 22.8#



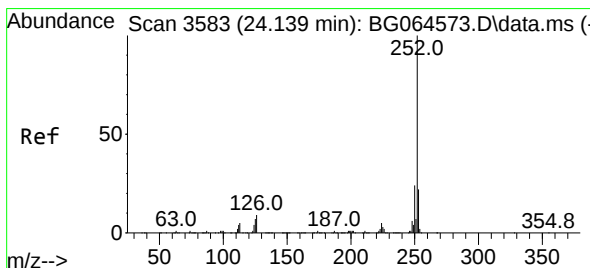
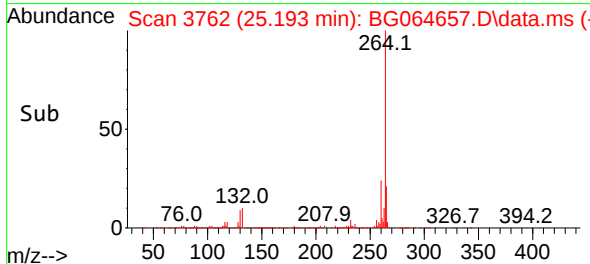
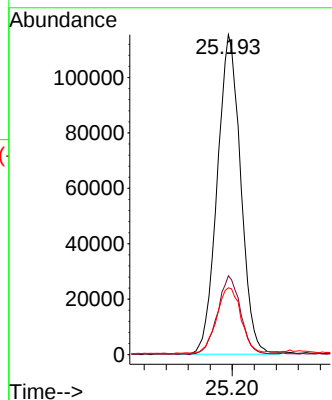
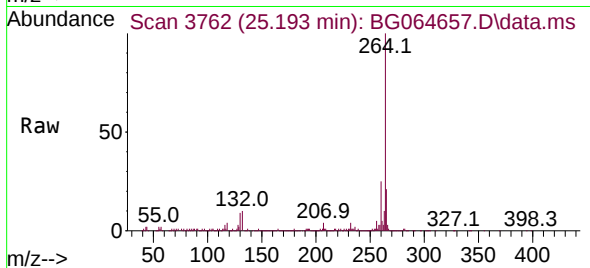


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.193 min Scan# 31
 Delta R.T. -0.008 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-103025

Tgt Ion:264 Resp: 340038

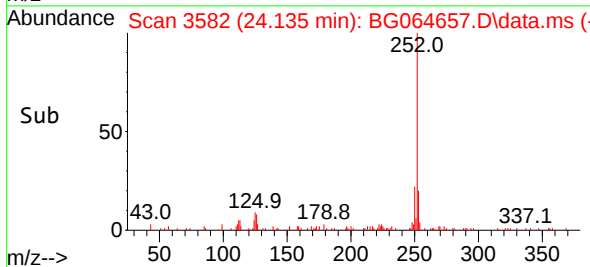
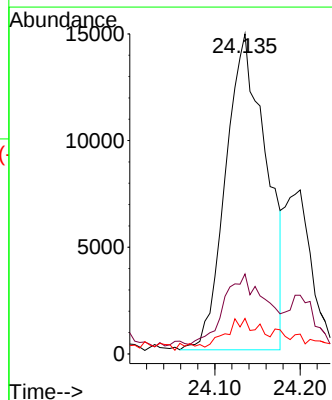
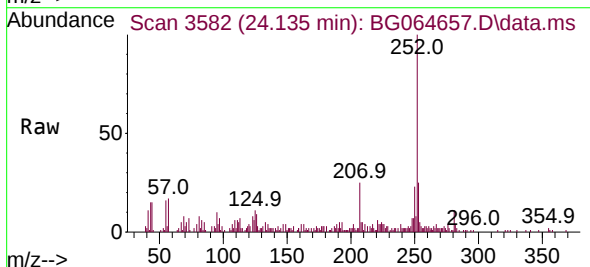
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.4
265	20.9	17.6	26.4

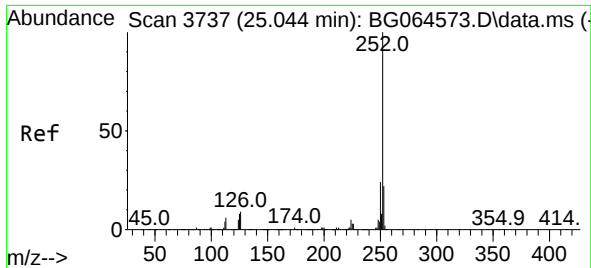


#88
 Benzo(b)fluoranthene
 Concen: 2.346 ng
 RT: 24.135 min Scan# 3582
 Delta R.T. -0.008 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

Tgt Ion:252 Resp: 48916

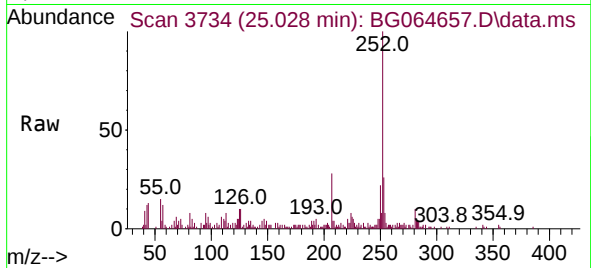
Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	11.1	5.6	8.4





#90
 Benzo(a)pyrene
 Concen: 2.519 ng
 RT: 25.028 min Scan# 31
 Delta R.T. -0.031 min
 Lab File: BG064657.D
 Acq: 31 Oct 2025 15:31

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-103025



Tgt Ion:252 Resp: 48273
 Ion Ratio Lower Upper
 252 100
 253 26.3 17.6 26.4
 125 10.2 6.1 9.1#

