

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040225\
 Data File : BG064149.D
 Acq On : 2 Apr 2025 12:24
 Operator : RC/JU
 Sample : Q1650-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-BIN2DL

Quant Time: Apr 02 13:33:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 05 15:39:19 2025
 Response via : Initial Calibration

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

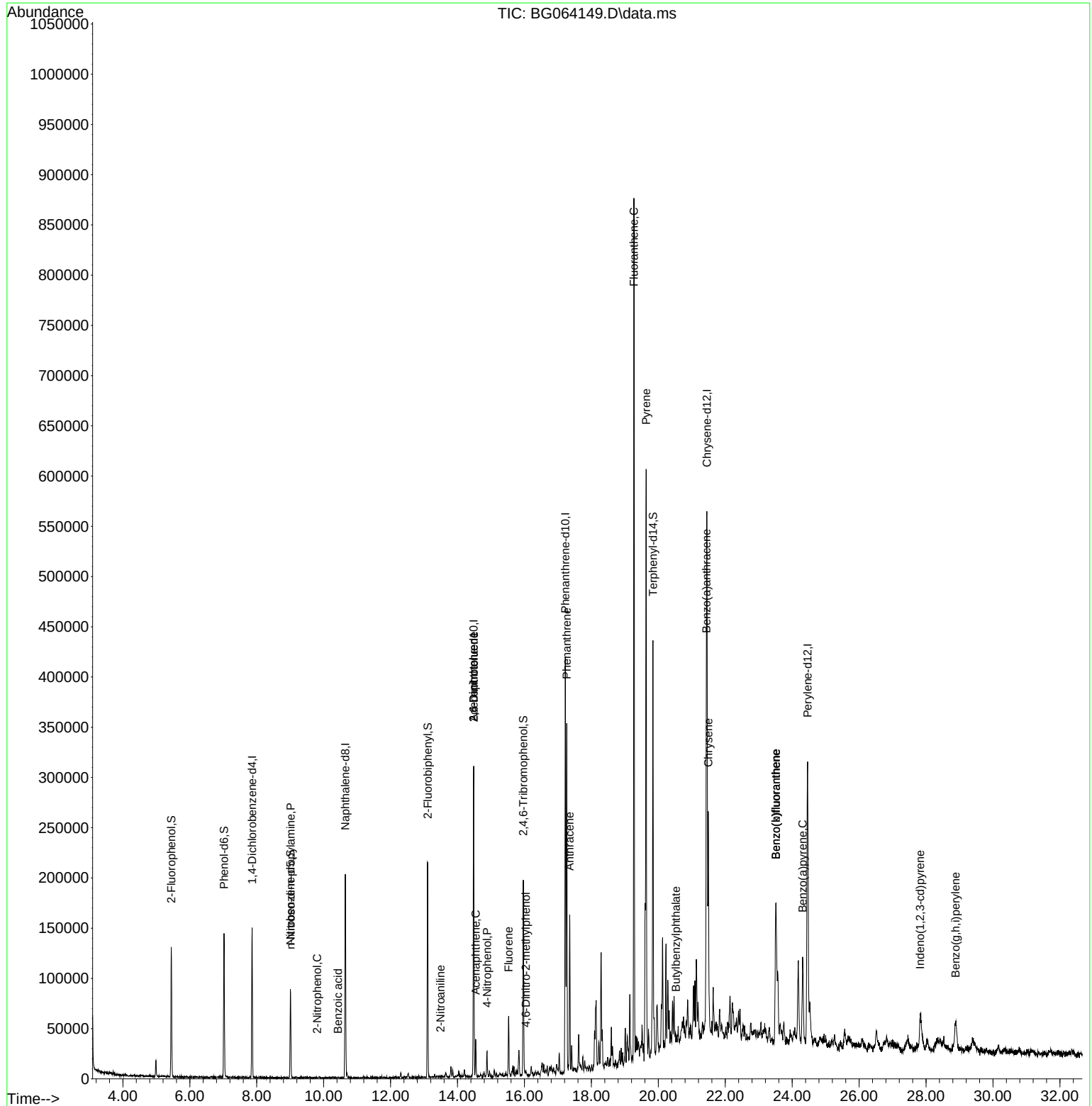
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	35445	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	154384	20.000	ng	-0.01
39) Acenaphthene-d10	14.483	164	104815	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	228569	20.000	ng	0.00
76) Chrysene-d12	21.451	240	251610	20.000	ng	0.00
86) Perylene-d12	24.459	264	273294	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	53577	23.602	ng	0.00
7) Phenol-d6	7.021	99	70501	22.830	ng	0.00
23) Nitrobenzene-d5	9.007	82	45036	16.121	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	29698	25.490	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	106004	15.351	ng	0.00
79) Terphenyl-d14	19.841	244	187203	15.044	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	6343	2.927	ng	# 73
26) 2-Nitrophenol	9.806	139	59	3.348	ng	# 26
32) Benzoic acid	10.423	122	85	8.735	ng	# 1
48) 2-Nitroaniline	13.496	65	54	3.244	ng	# 11
51) 2,6-Dinitrotoluene	14.483	165	14149	11.741	ng	# 17
52) Acenaphthene	14.541	154	12752	2.080	ng	# 93
56) 4-Nitrophenol	14.882	139	4750	3.787	ng	# 1
57) 2,4-Dinitrotoluene	14.483	165	14149	9.682	ng	# 17
58) Fluorene	15.528	166	25487	3.295	ng	94
65) 4,6-Dinitro-2-methylph...	16.045	198	57	8.227	ng	# 23
71) Phenanthrene	17.262	178	206095	16.905	ng	98
72) Anthracene	17.350	178	95663	7.891	ng	96
75) Fluoranthene	19.271	202	517752	35.227	ng	98
78) Pyrene	19.635	202	359019	22.135	ng	97
80) Butylbenzylphthalate	20.528	149	461	3.708	ng	# 89
81) Benzo(a)anthracene	21.433	228	153587	9.529	ng	99
83) Chrysene	21.492	228	149431	9.296	ng	97
87) Indeno(1,2,3-cd)pyrene	27.826	276	54110	2.959	ng	# 94
88) Benzo(b)fluoranthene	23.513	252	163406	9.890	ng	99
89) Benzo(k)fluoranthene	23.513	252	163406	9.859	ng	99
90) Benzo(a)pyrene	24.312	252	82827	5.629	ng	98
92) Benzo(g,h,i)perylene	28.877	276	51544	3.312	ng	95

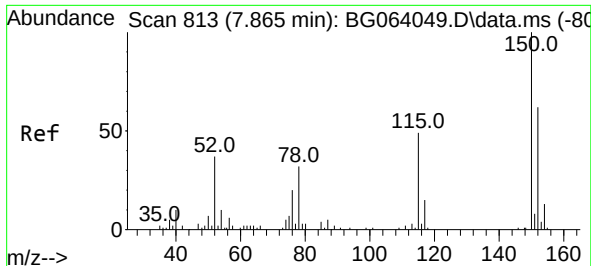
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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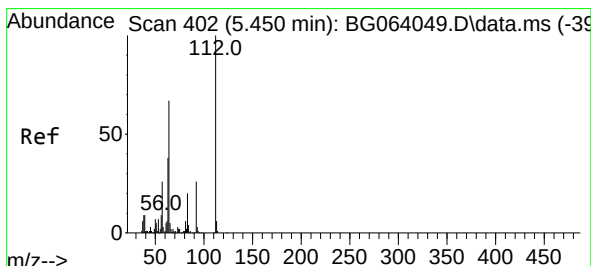
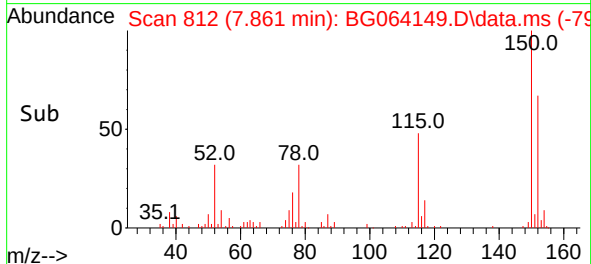
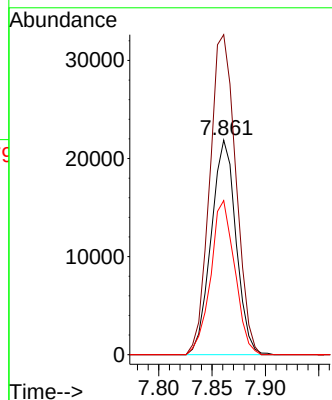
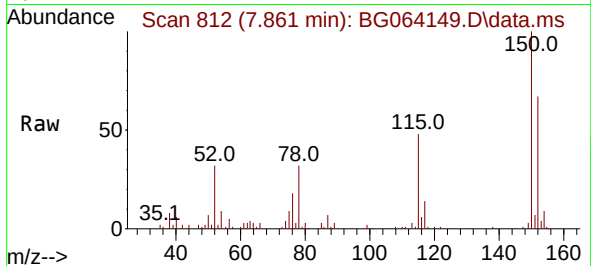




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 813
Delta R.T. -0.004 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

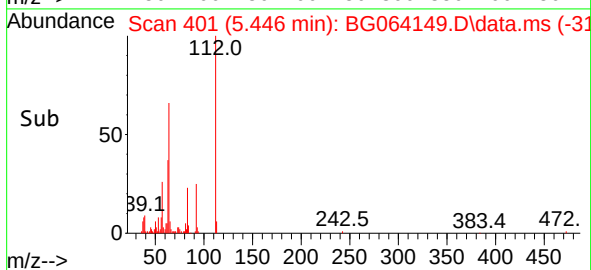
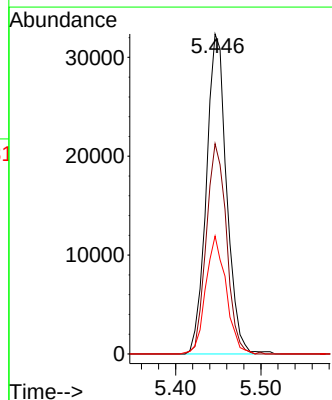
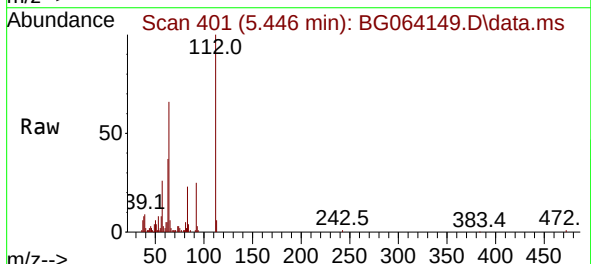
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

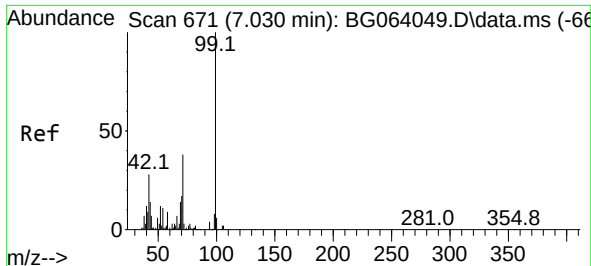
Tgt Ion:152 Resp: 35445
Ion Ratio Lower Upper
152 100
150 149.2 129.2 193.8
115 71.8 63.0 94.6



#5
2-Fluorophenol
Concen: 23.602 ng
RT: 5.446 min Scan# 401
Delta R.T. -0.004 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:112 Resp: 53577
Ion Ratio Lower Upper
112 100
64 65.7 53.7 80.5
63 36.9 30.2 45.4

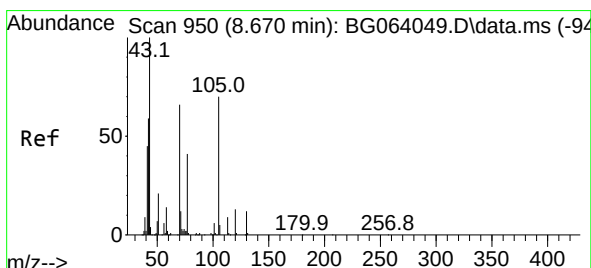
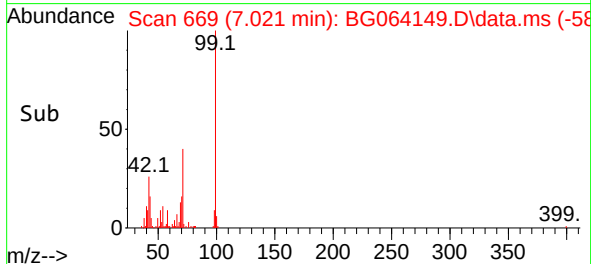
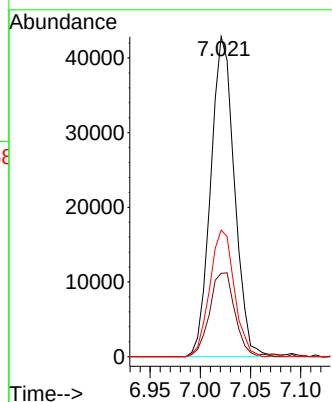
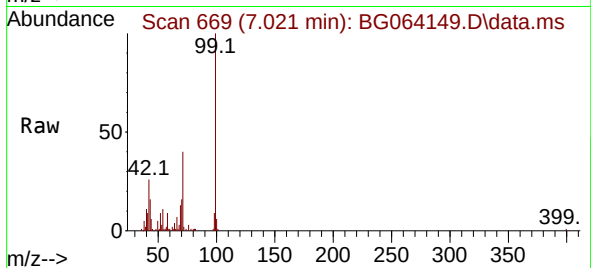




#7
Phenol-d6
Concen: 22.830 ng
RT: 7.021 min Scan# 6
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

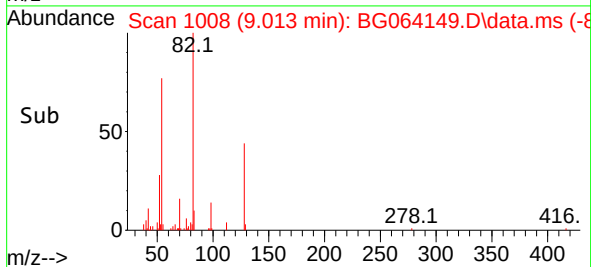
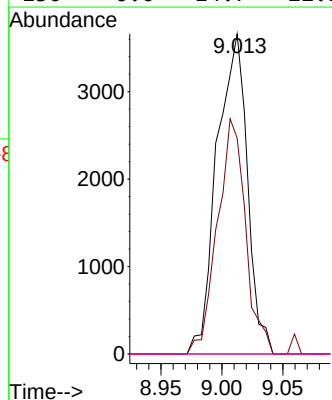
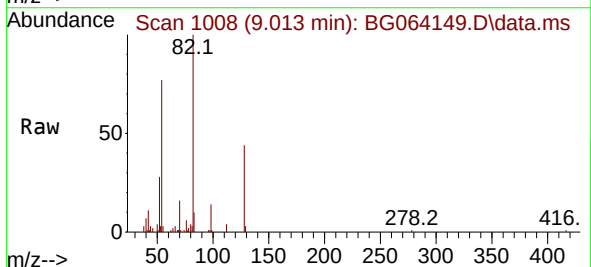
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

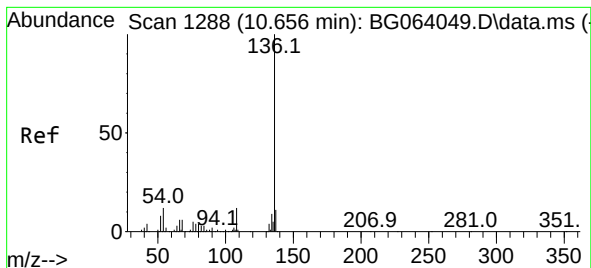
Tgt Ion: 99 Resp: 70501
Ion Ratio Lower Upper
99 100
42 26.0 22.7 34.1
71 39.6 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.927 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.343 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion: 70 Resp: 6343
Ion Ratio Lower Upper
70 100
42 67.5 72.1 108.1#
101 0.0 7.2 10.8#
130 0.0 14.7 22.1#

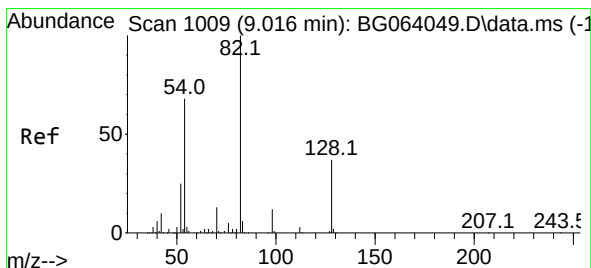
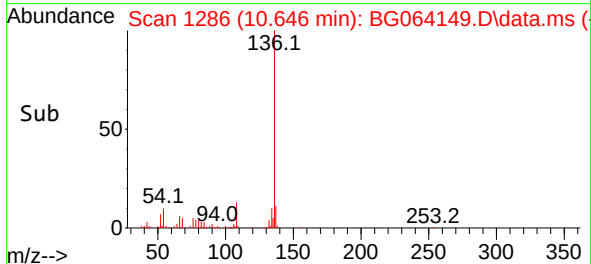
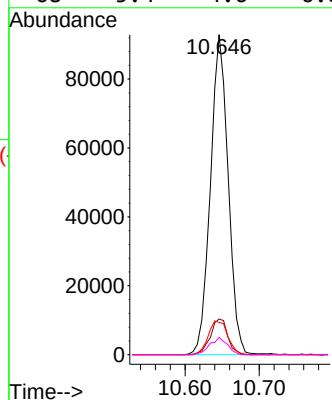
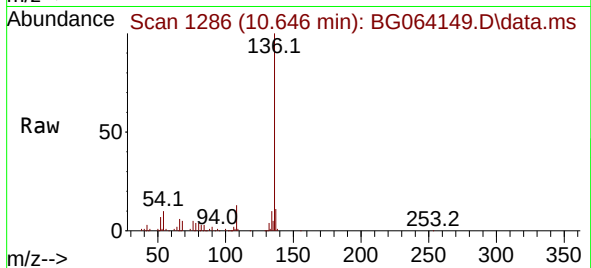




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

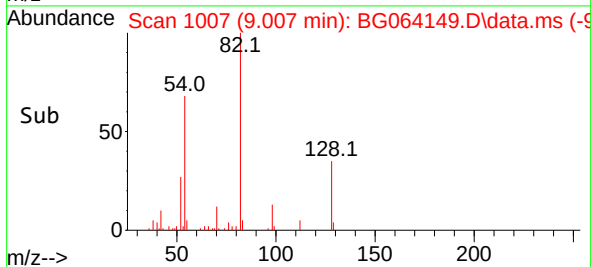
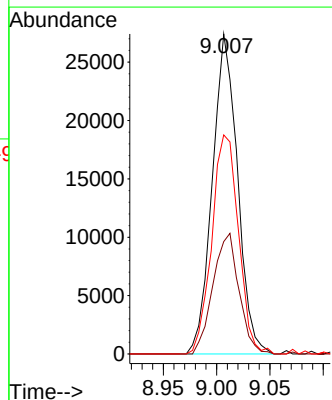
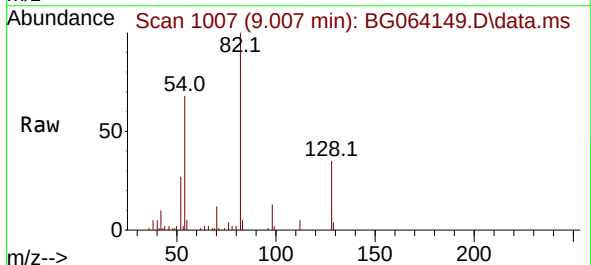
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

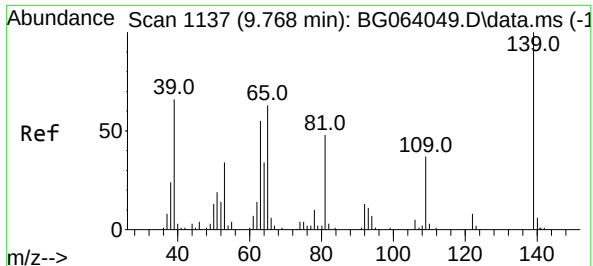
Tgt Ion:136 Resp: 154384
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.1 9.9 14.9
68 5.4 4.6 6.8



#23
Nitrobenzene-d5
Concen: 16.121 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

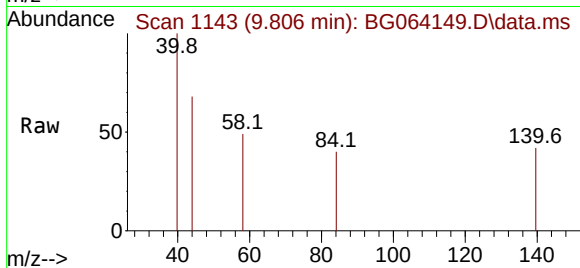
Tgt Ion: 82 Resp: 45036
Ion Ratio Lower Upper
82 100
128 35.1 30.0 45.0
54 68.5 54.7 82.1



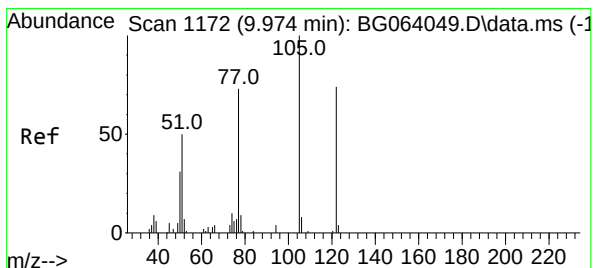
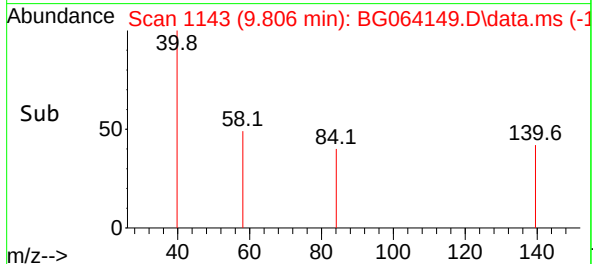
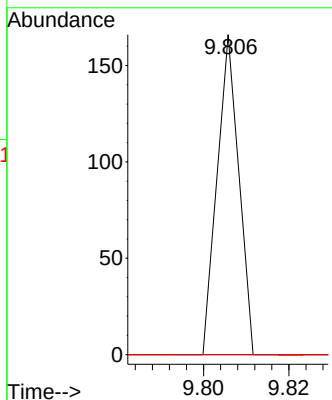


#26
2-Nitrophenol
Concen: 3.348 ng
RT: 9.806 min Scan# 1137
Delta R.T. 0.038 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

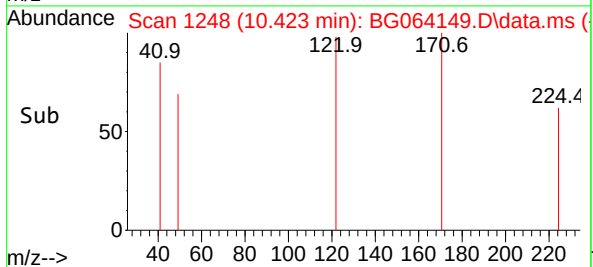
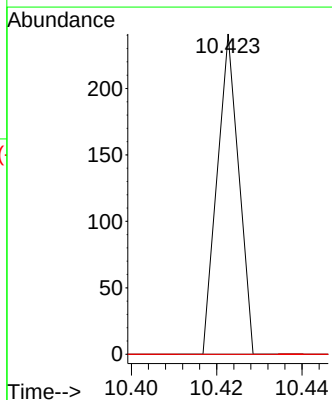
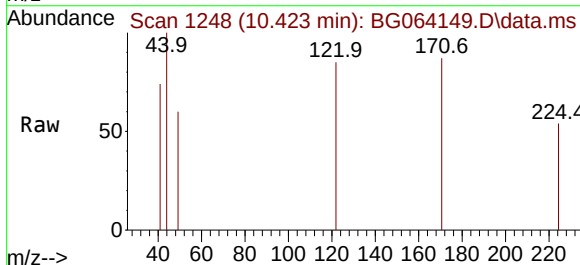


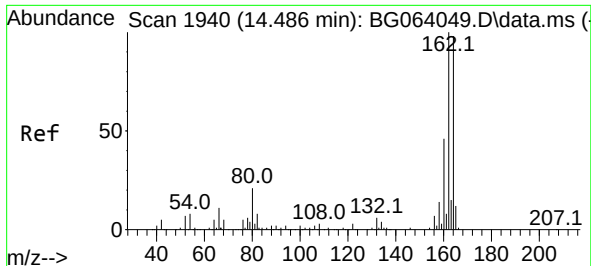
Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.735 ng
RT: 10.423 min Scan# 1248
Delta R.T. 0.449 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:122 Resp: 85
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#

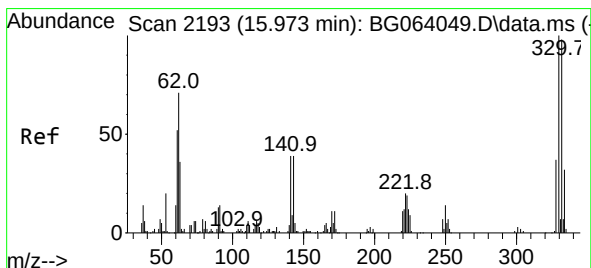
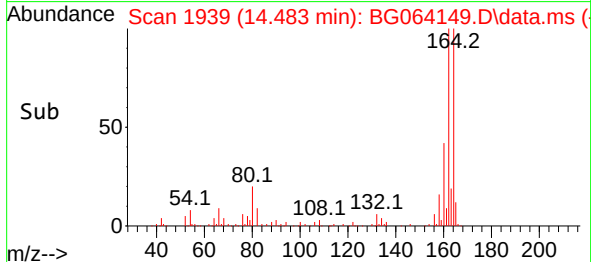
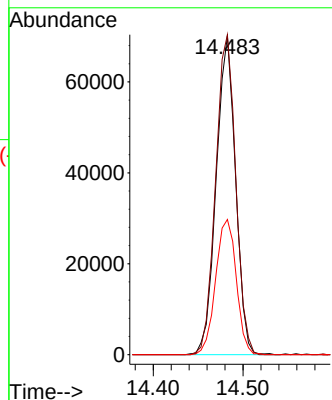
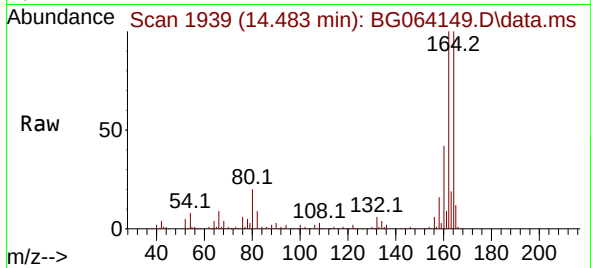




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

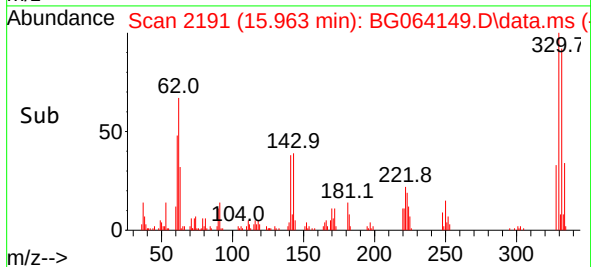
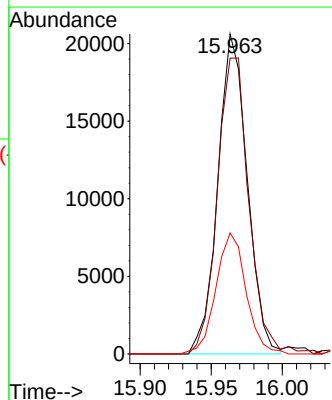
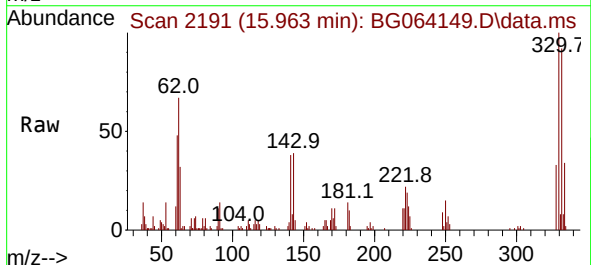
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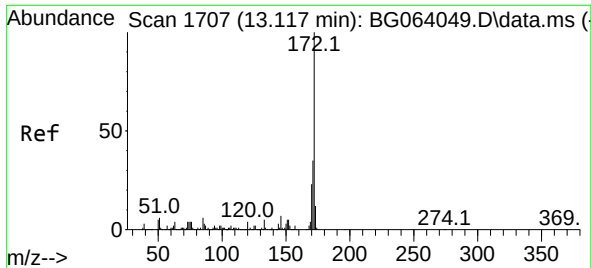
Tgt Ion:164 Resp: 104815
Ion Ratio Lower Upper
164 100
162 100.4 81.4 122.0
160 42.4 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 25.490 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:330 Resp: 29698
Ion Ratio Lower Upper
330 100
332 99.6 76.7 115.1
141 38.6 29.7 44.5

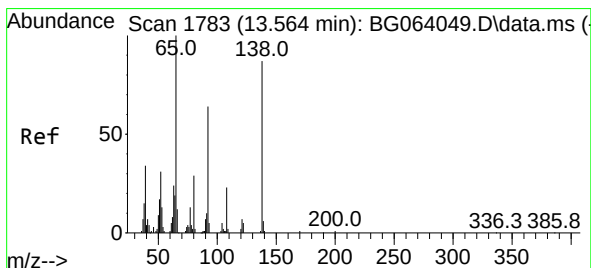
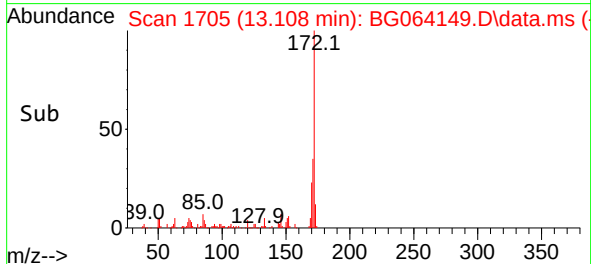
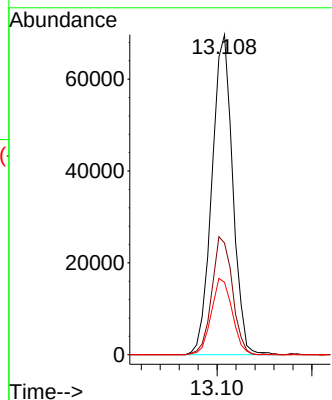
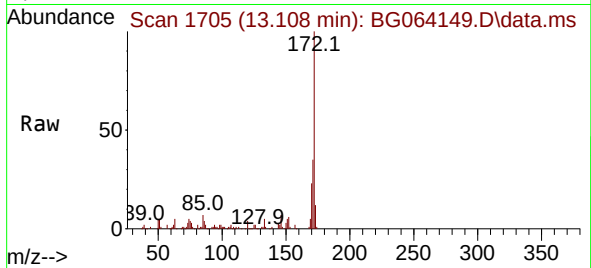




#45
2-Fluorobiphenyl
Concen: 15.351 ng
RT: 13.108 min Scan# 1771
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

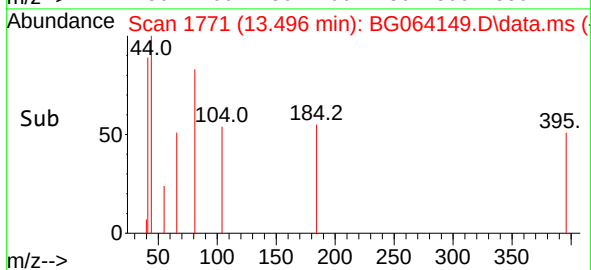
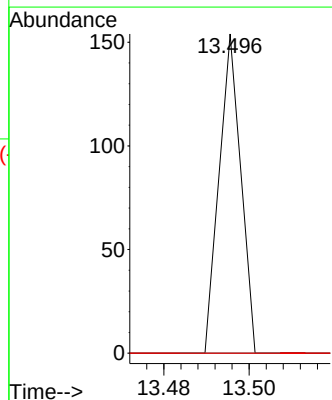
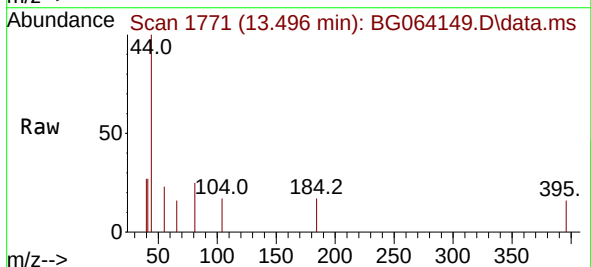
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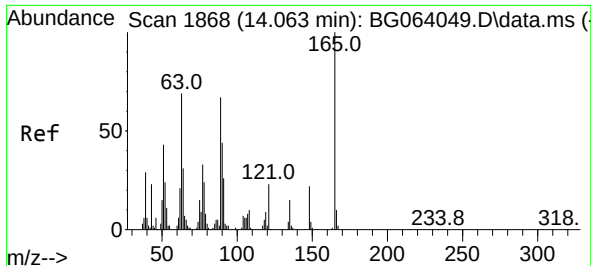
Tgt Ion:172 Resp: 106004
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 22.6 18.7 28.1



#48
2-Nitroaniline
Concen: 3.244 ng
RT: 13.496 min Scan# 1771
Delta R.T. -0.068 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion: 65 Resp: 54
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#

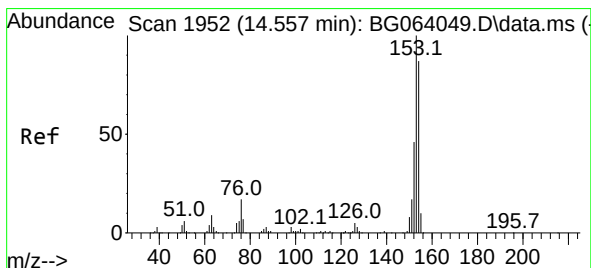
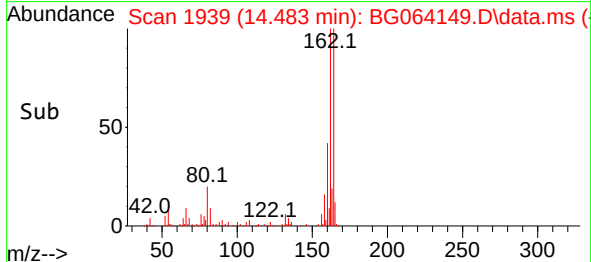
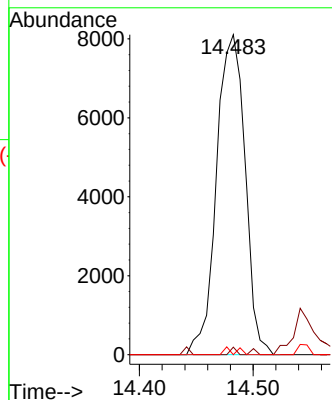
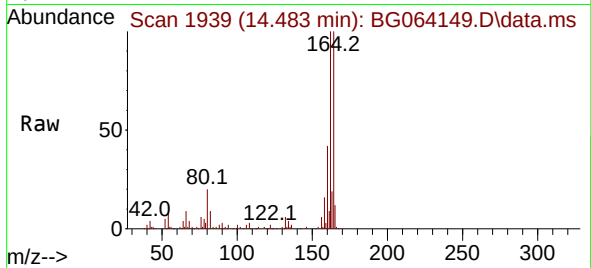




#51
2,6-Dinitrotoluene
Concen: 11.741 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.420 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

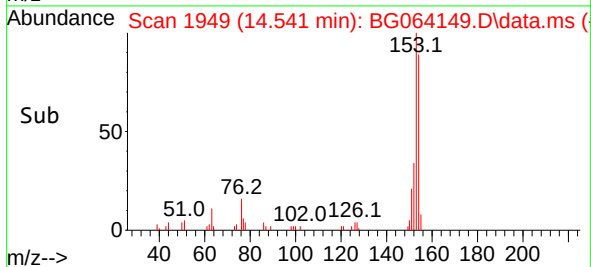
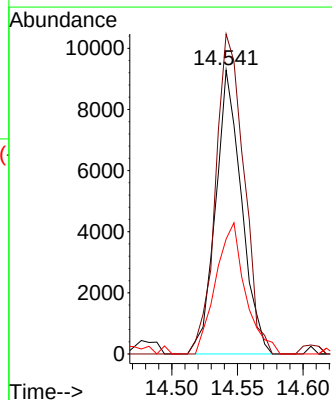
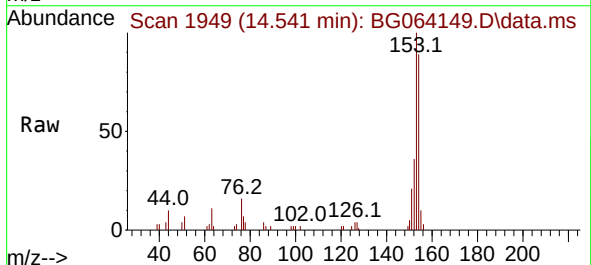
Instrument :
BNA_G
ClientSampleId :
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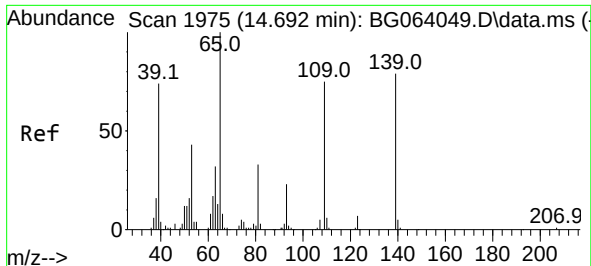
Tgt Ion:165 Resp: 14149
Ion Ratio Lower Upper
165 100
63 2.4 56.7 85.1#
89 0.0 53.7 80.5#



#52
Acenaphthene
Concen: 2.080 ng
RT: 14.541 min Scan# 1949
Delta R.T. -0.016 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:154 Resp: 12752
Ion Ratio Lower Upper
154 100
153 112.8 91.6 137.4
152 40.5 42.5 63.7#

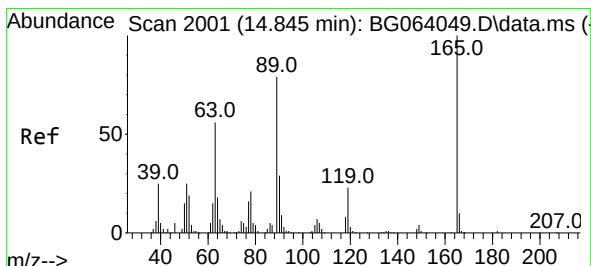
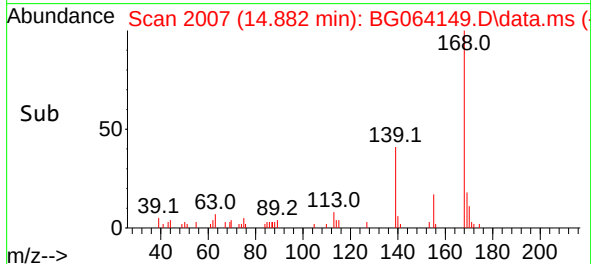
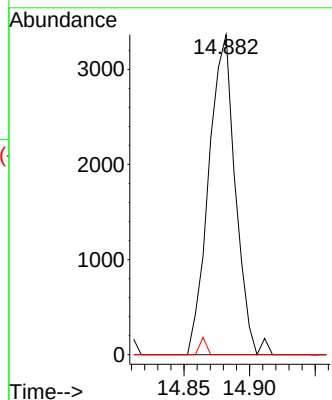
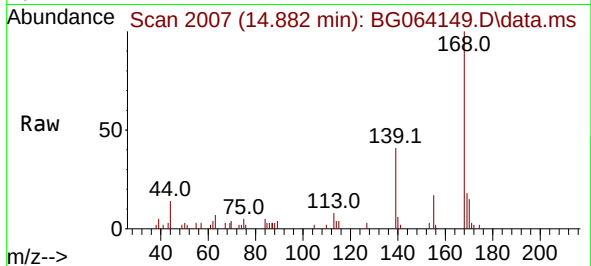




#56
4-Nitrophenol
Concen: 3.787 ng
RT: 14.882 min Scan# 20
Delta R.T. 0.190 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

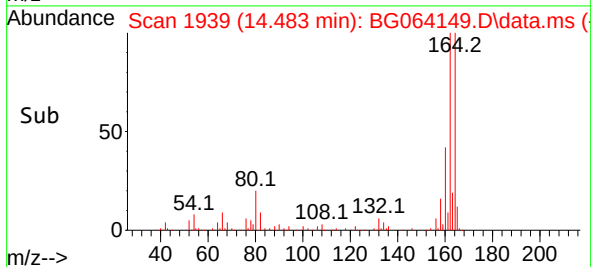
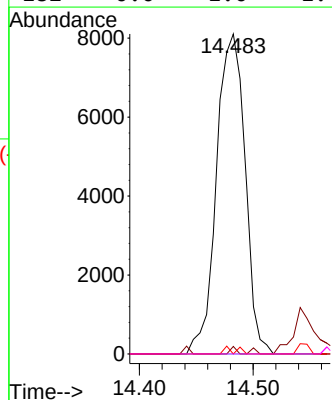
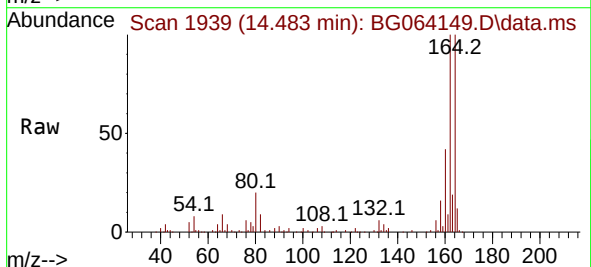
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

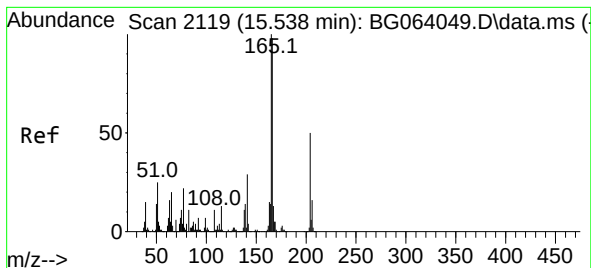
Tgt Ion:139 Resp: 4750
Ion Ratio Lower Upper
139 100
109 0.0 74.9 114.9#
65 0.0 106.8 146.8#



#57
2,4-Dinitrotoluene
Concen: 9.682 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.362 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:165 Resp: 14149
Ion Ratio Lower Upper
165 100
63 2.4 45.0 67.6#
89 0.0 63.1 94.7#
182 0.0 1.0 1.4#





#58

Fluorene

Concen: 3.295 ng

RT: 15.528 min Scan# 2117

Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

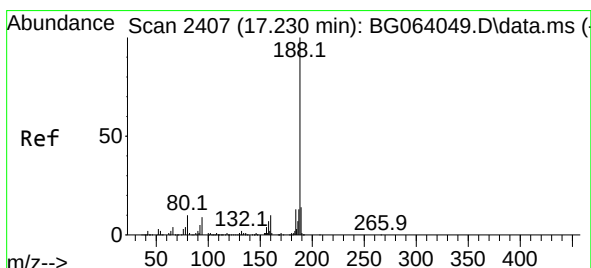
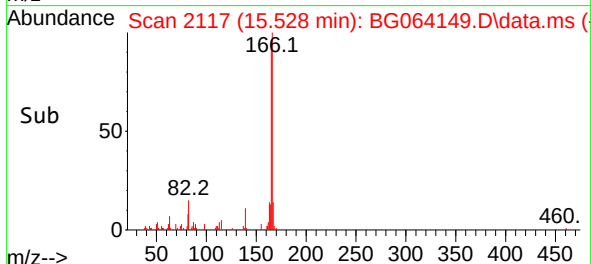
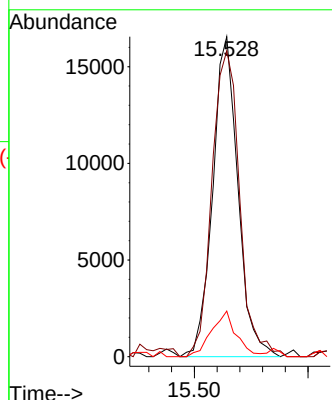
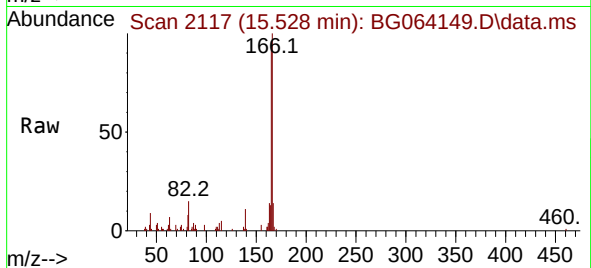
Tgt Ion:166 Resp: 25487

Ion Ratio Lower Upper

166 100

165 95.6 81.8 122.8

167 14.3 10.8 16.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

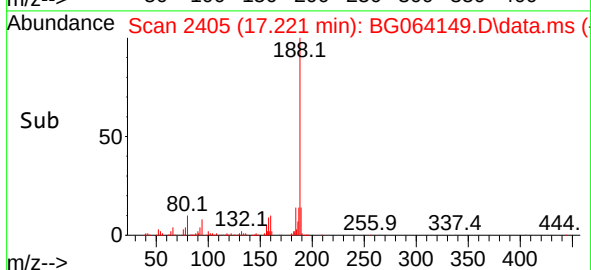
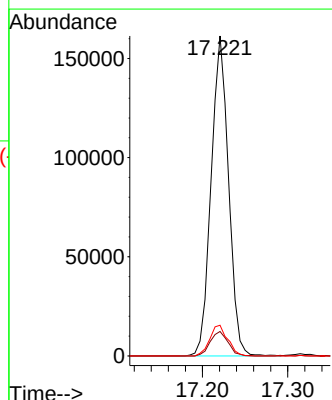
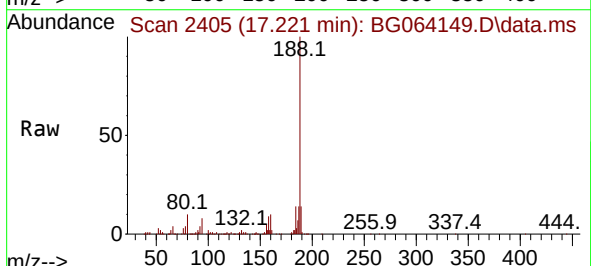
Tgt Ion:188 Resp: 228569

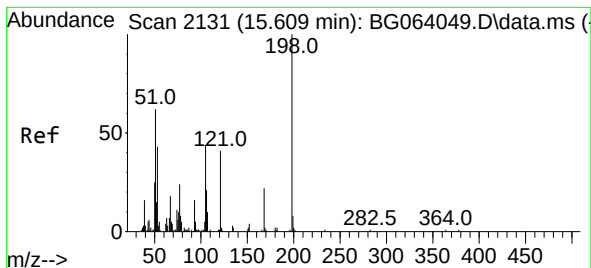
Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

80 9.6 8.1 12.1

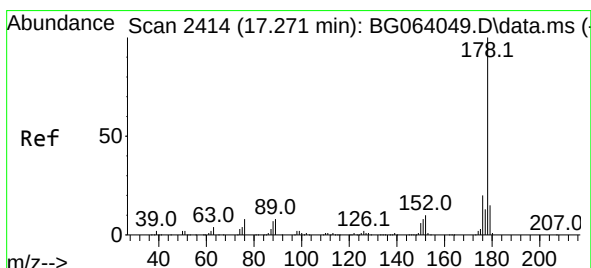
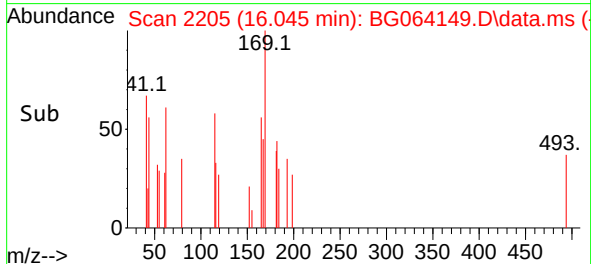
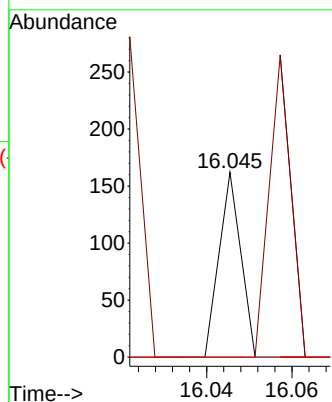
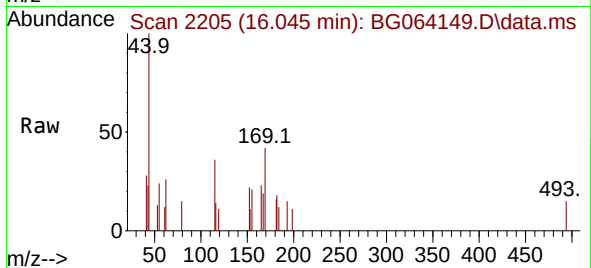




#65
4,6-Dinitro-2-methylphenol
Concen: 8.227 ng
RT: 16.045 min Scan# 2131
Delta R.T. 0.436 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

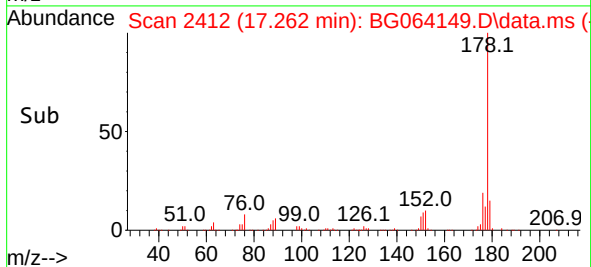
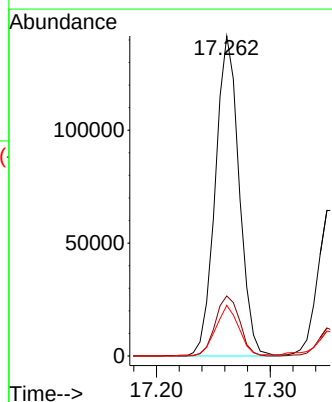
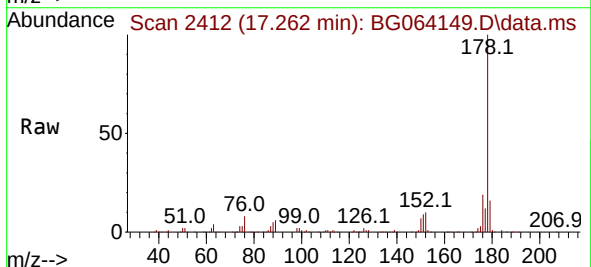
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

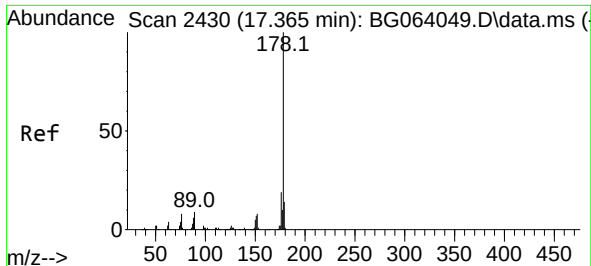
Tgt Ion:198 Resp: 57
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 0.0 25.3 65.3#



#71
Phenanthrene
Concen: 16.905 ng
RT: 17.262 min Scan# 2412
Delta R.T. -0.010 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:178 Resp: 206095
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.8 12.2 18.2

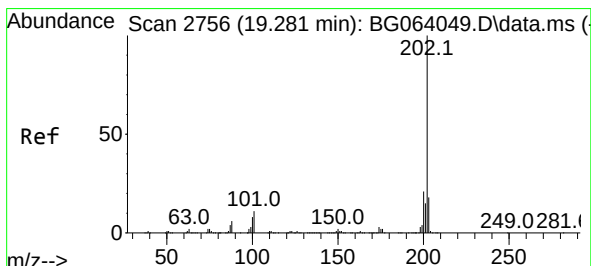
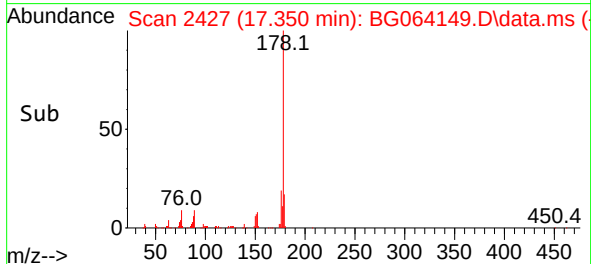
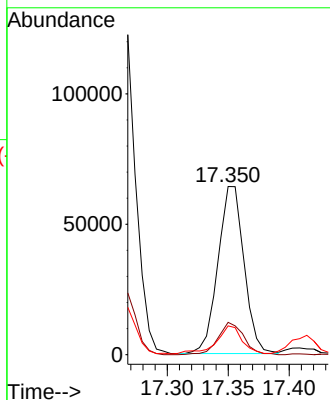
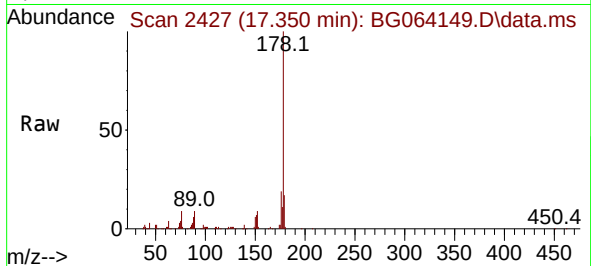




#72
 Anthracene
 Concen: 7.891 ng
 RT: 17.350 min Scan# 2430
 Delta R.T. -0.015 min
 Lab File: BG064149.D
 Acq: 2 Apr 2025 12:24

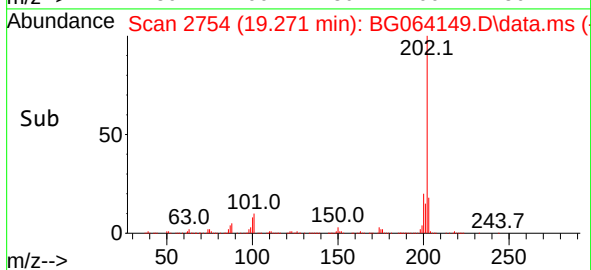
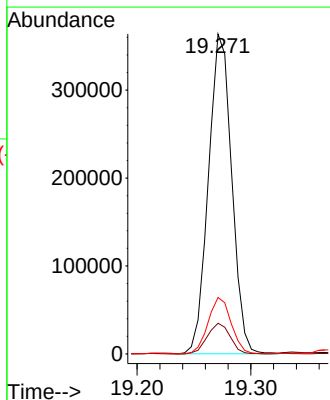
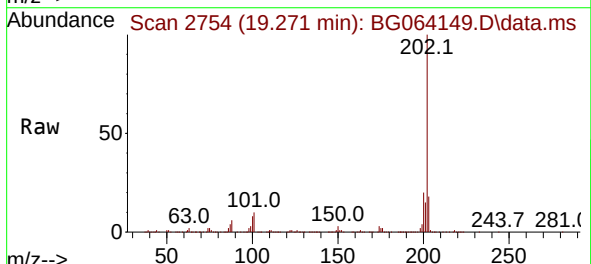
Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-BIN2DL

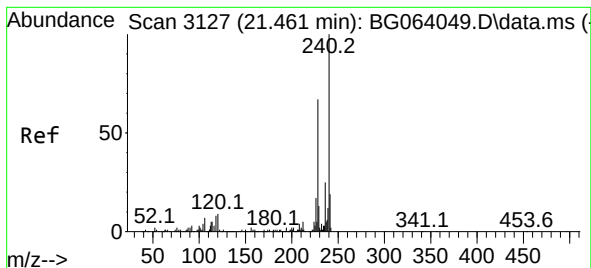
Tgt Ion:178 Resp: 95663
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.8 22.2
 179 17.2 11.5 17.3



#75
 Fluoranthene
 Concen: 35.227 ng
 RT: 19.271 min Scan# 2754
 Delta R.T. -0.010 min
 Lab File: BG064149.D
 Acq: 2 Apr 2025 12:24

Tgt Ion:202 Resp: 517752
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 30.5
 203 17.7 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.451 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

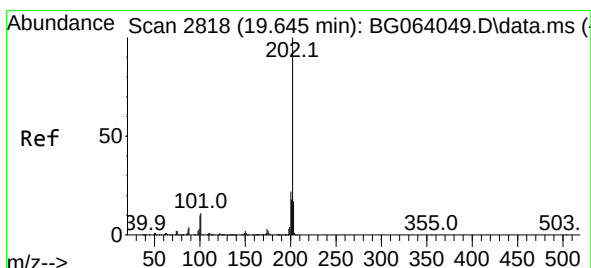
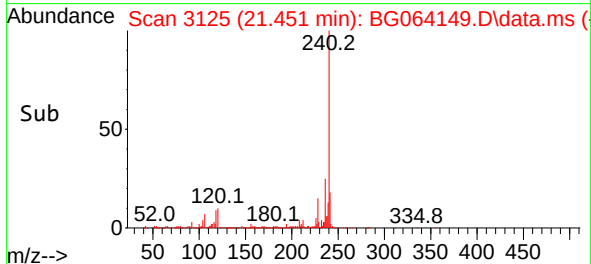
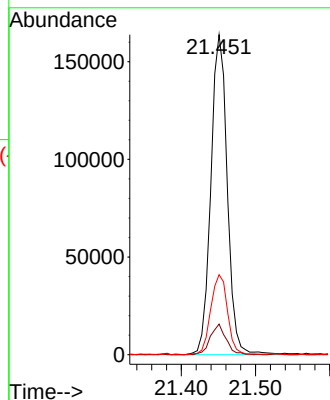
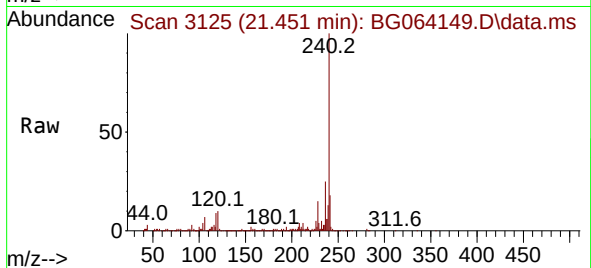
Tgt Ion:240 Resp: 251610

Ion Ratio Lower Upper

240 100

120 9.5 7.2 10.8

236 25.0 20.2 30.2



#78

Pyrene

Concen: 22.135 ng

RT: 19.635 min Scan# 2816

Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

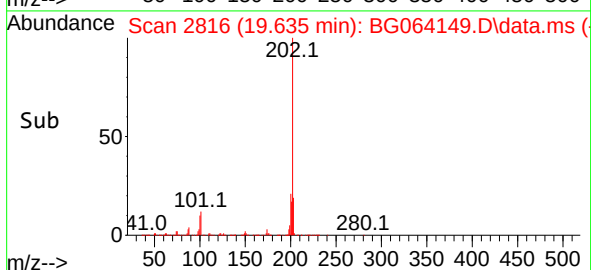
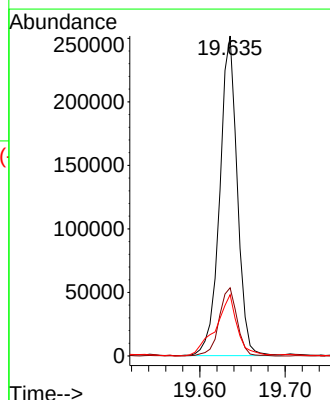
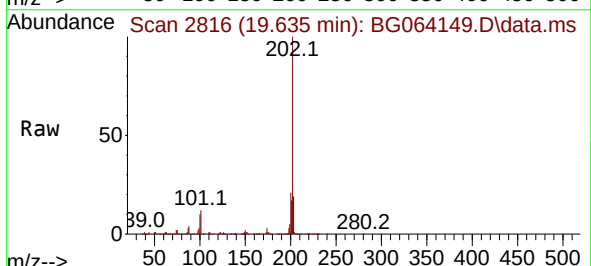
Tgt Ion:202 Resp: 359019

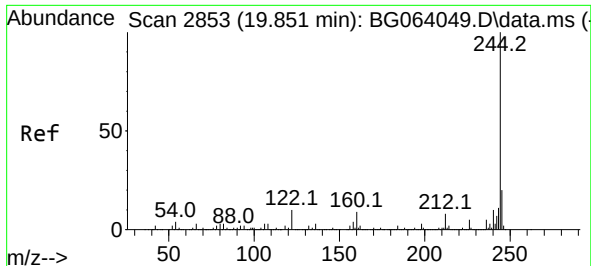
Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

203 19.2 13.6 20.4

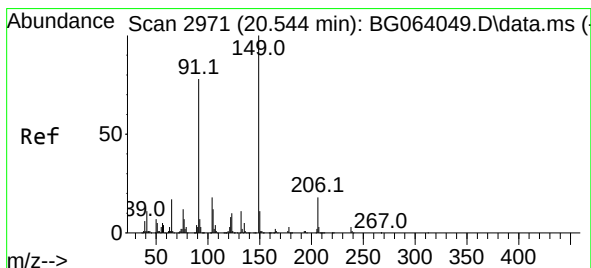
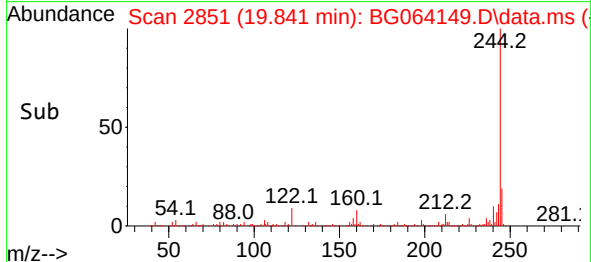
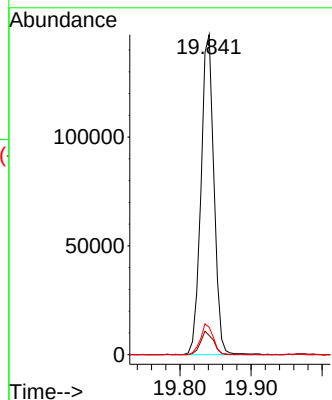
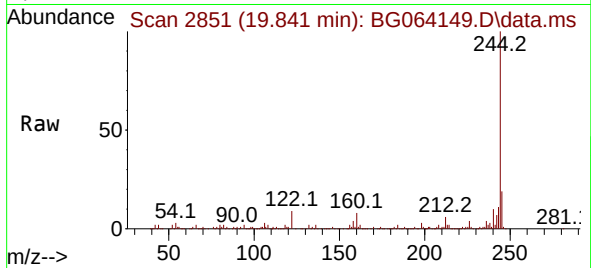




#79
 Terphenyl-d14
 Concen: 15.044 ng
 RT: 19.841 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG064149.D
 Acq: 2 Apr 2025 12:24

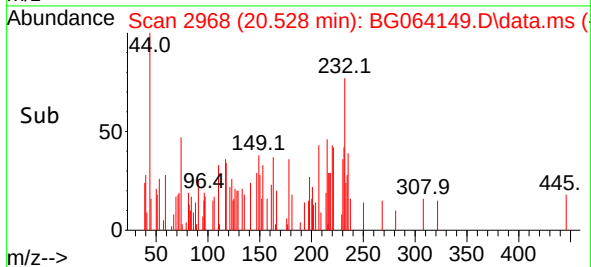
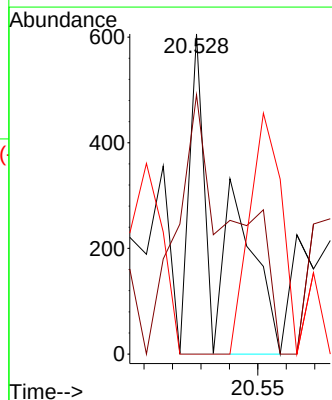
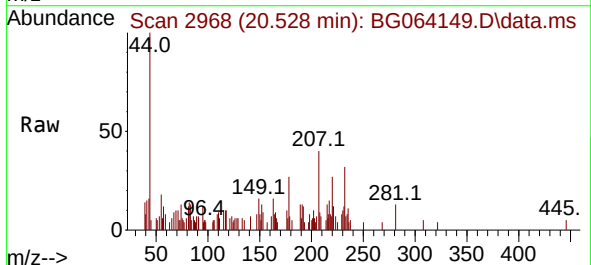
Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE-BIN2DL

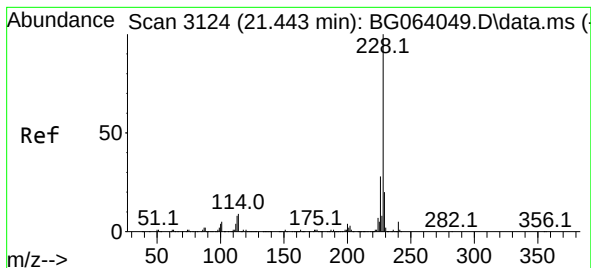
Tgt Ion:244 Resp: 187203
 Ion Ratio Lower Upper
 244 100
 212 6.0 6.2 9.4#
 122 8.5 8.0 12.0



#80
 Butylbenzylphthalate
 Concen: 3.708 ng
 RT: 20.528 min Scan# 2968
 Delta R.T. -0.016 min
 Lab File: BG064149.D
 Acq: 2 Apr 2025 12:24

Tgt Ion:149 Resp: 461
 Ion Ratio Lower Upper
 149 100
 91 81.0 62.0 93.0
 206 0.0 14.6 21.8#





#81

Benzo(a)anthracene

Concen: 9.529 ng

RT: 21.433 min Scan# 3124

Delta R.T. -0.010 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

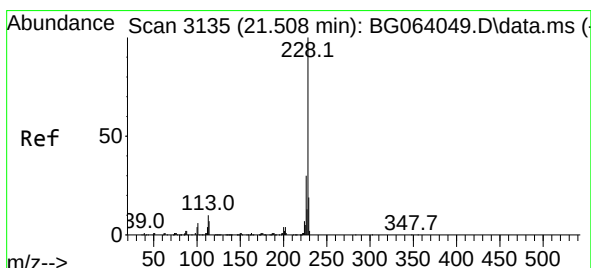
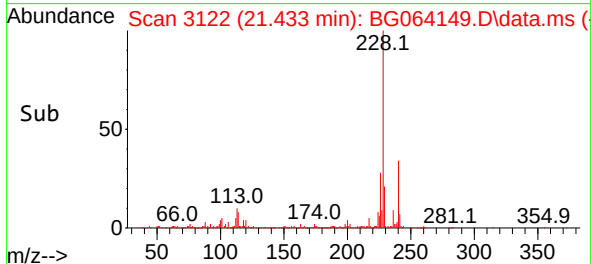
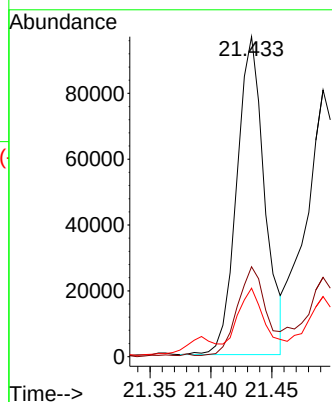
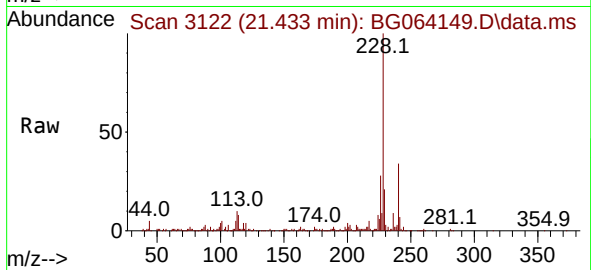
Tgt Ion:228 Resp: 153587

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

229 21.4 16.4 24.6



#83

Chrysene

Concen: 9.296 ng

RT: 21.492 min Scan# 3132

Delta R.T. -0.016 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

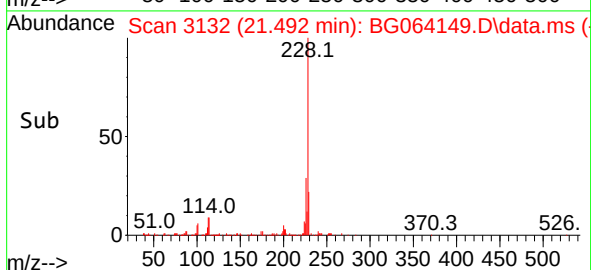
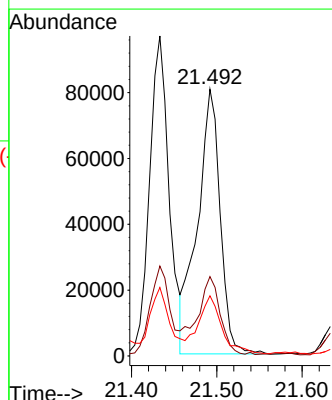
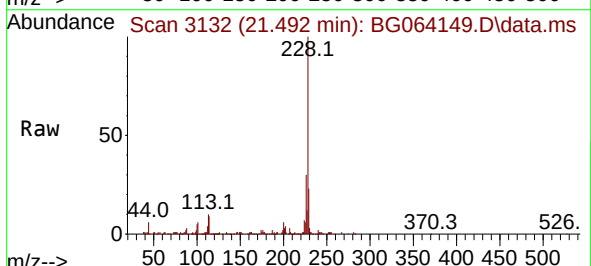
Tgt Ion:228 Resp: 149431

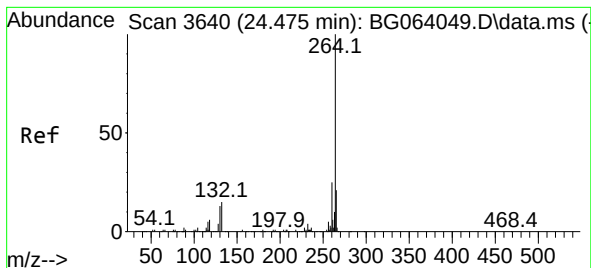
Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 22.5 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.459 min Scan# 30

Delta R.T. -0.015 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

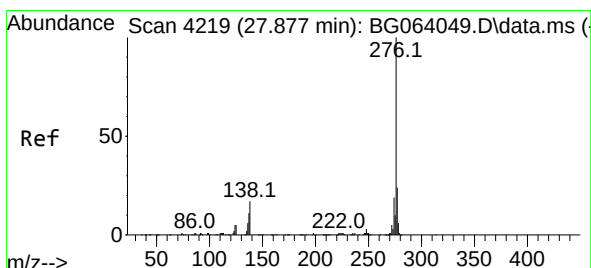
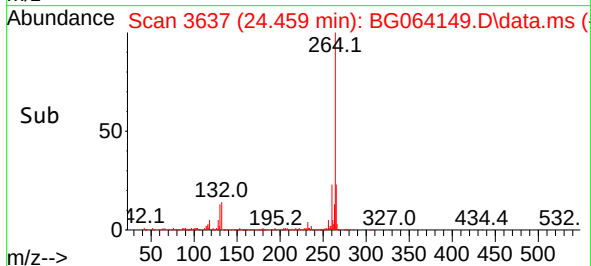
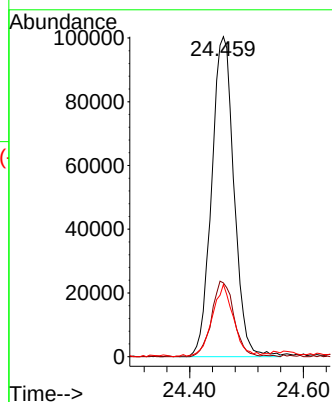
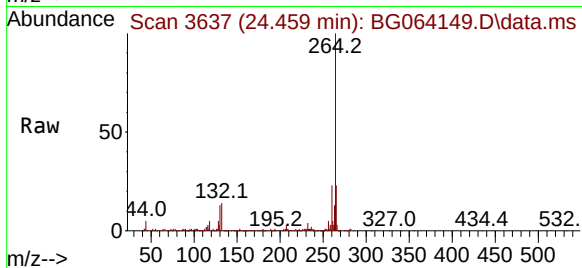
Tgt Ion:264 Resp: 273294

Ion Ratio Lower Upper

264 100

260 23.1 19.6 29.4

265 22.5 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.959 ng

RT: 27.826 min Scan# 4210

Delta R.T. -0.051 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

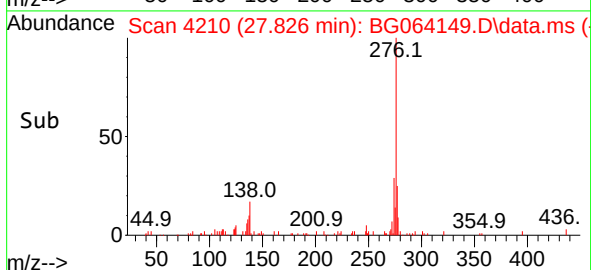
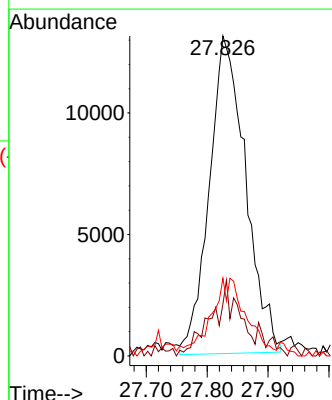
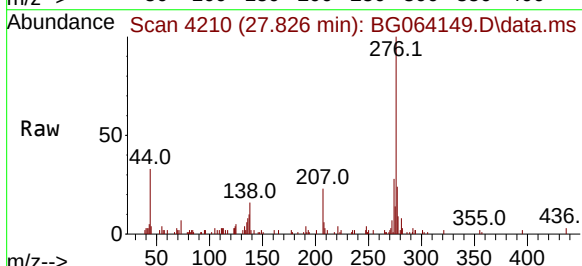
Tgt Ion:276 Resp: 54110

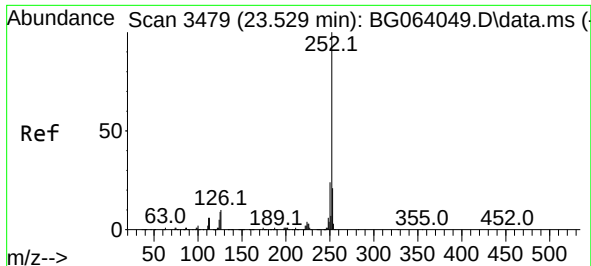
Ion Ratio Lower Upper

276 100

138 18.4 12.1 18.1#

277 22.3 20.0 30.0

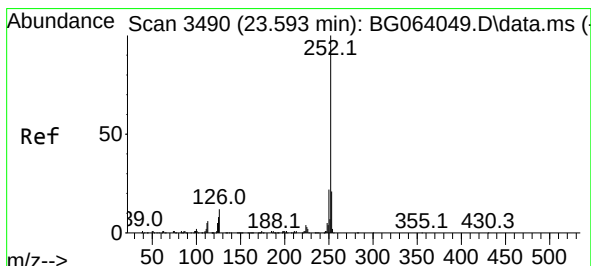
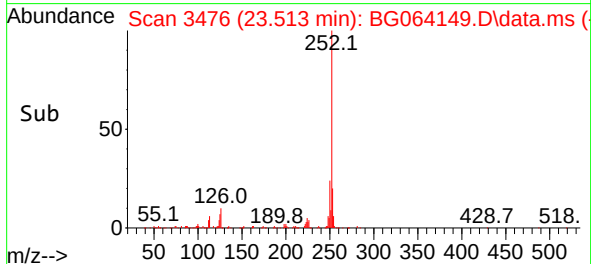
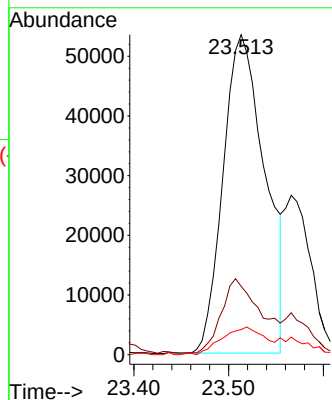
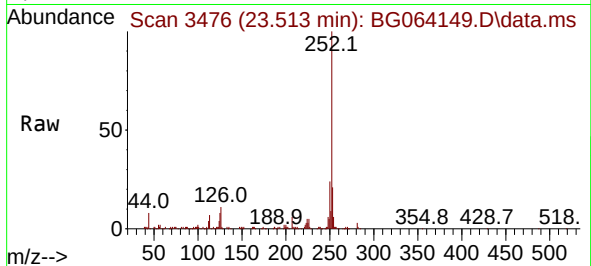




#88
Benzo(b)fluoranthene
Concen: 9.890 ng
RT: 23.513 min Scan# 3476
Delta R.T. -0.015 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

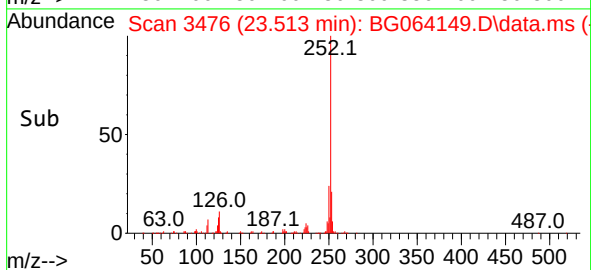
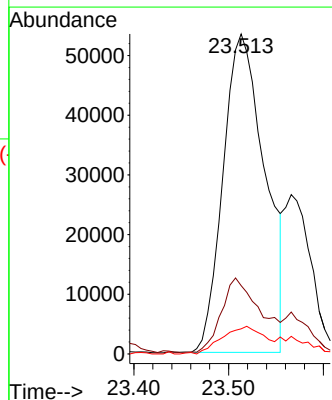
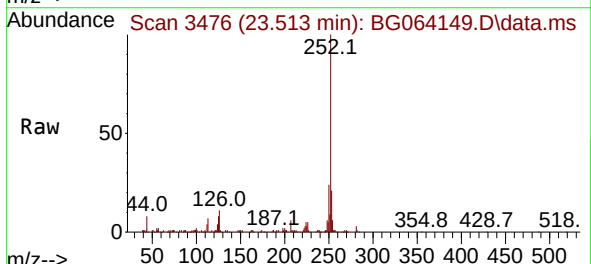
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE-BIN2DL

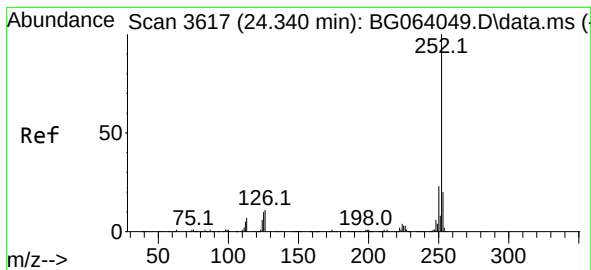
Tgt Ion:252 Resp: 163406
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.4
125 7.8 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 9.859 ng
RT: 23.513 min Scan# 3476
Delta R.T. -0.080 min
Lab File: BG064149.D
Acq: 2 Apr 2025 12:24

Tgt Ion:252 Resp: 163406
Ion Ratio Lower Upper
252 100
253 21.3 16.8 25.2
125 7.8 6.9 10.3





#90

Benzo(a)pyrene

Concen: 5.629 ng

RT: 24.312 min Scan# 30

Delta R.T. -0.027 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE-BIN2DL

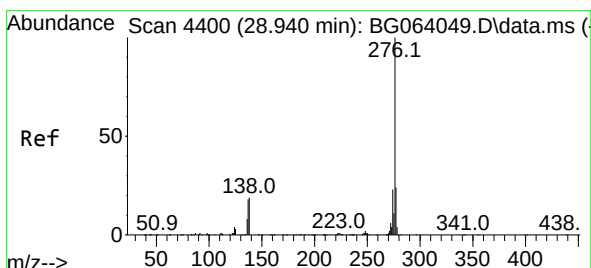
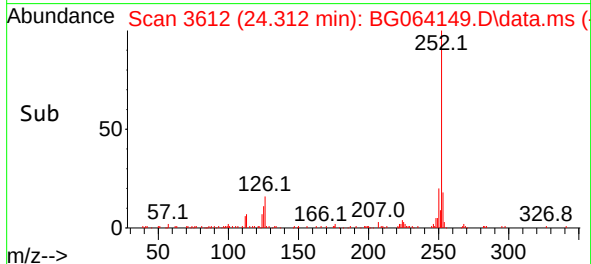
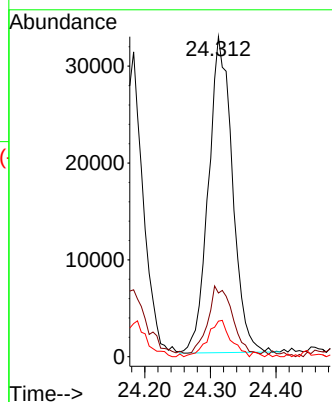
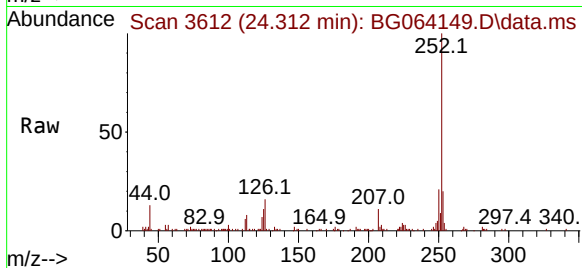
Tgt Ion:252 Resp: 82827

Ion Ratio Lower Upper

252 100

253 19.9 16.2 24.2

125 11.1 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 3.312 ng

RT: 28.877 min Scan# 4389

Delta R.T. -0.063 min

Lab File: BG064149.D

Acq: 2 Apr 2025 12:24

Tgt Ion:276 Resp: 51544

Ion Ratio Lower Upper

276 100

277 21.8 19.5 29.3

138 21.6 15.4 23.0

