

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
 Data File : BG064085.D
 Acq On : 10 Mar 2025 17:46
 Operator : RC/JU
 Sample : Q1524-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11930-343-COMP

Quant Time: Mar 11 01:19:53 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)

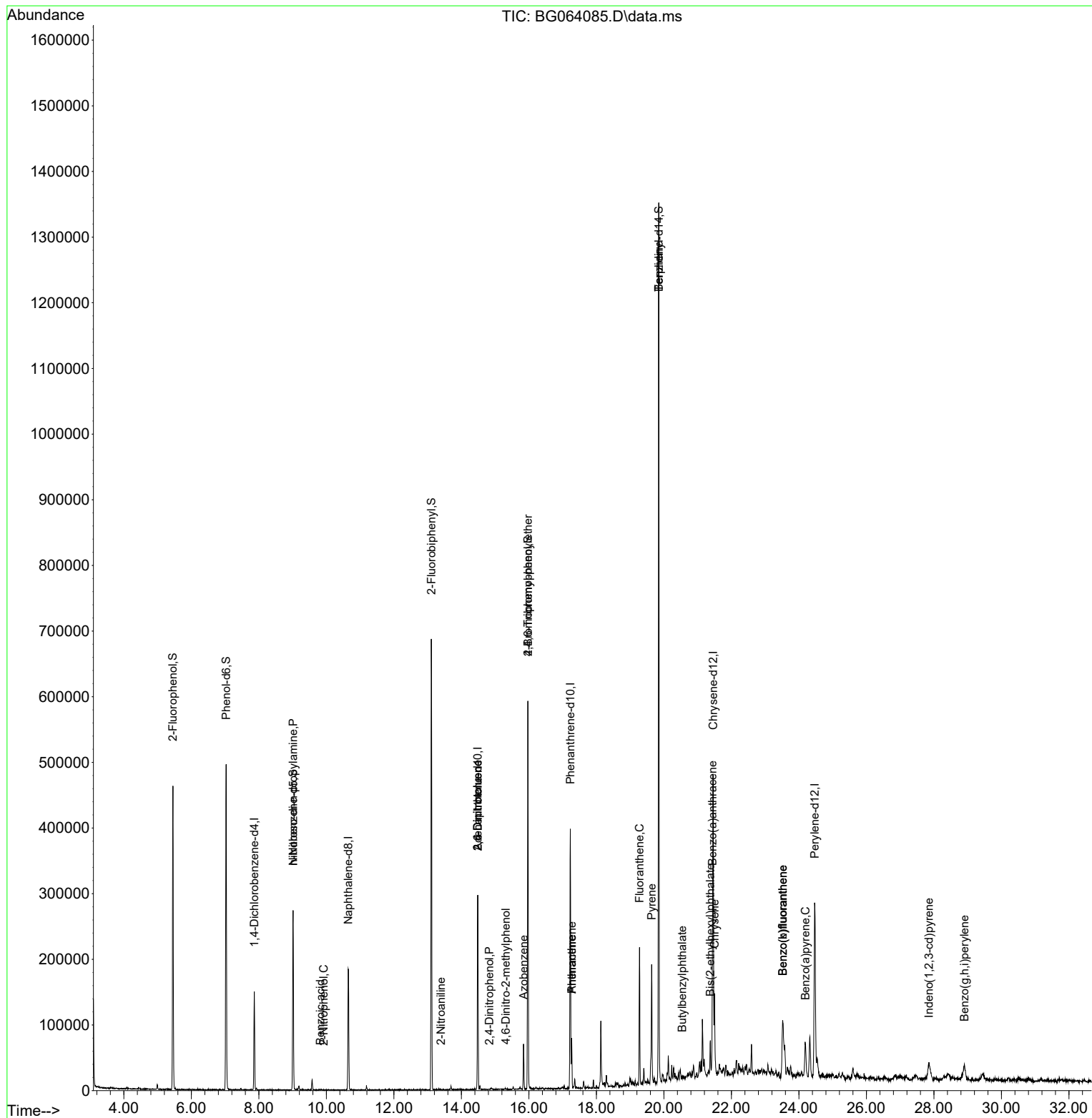
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	35978	20.000	ng	0.00
21) Naphthalene-d8	10.647	136	151009	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	102150	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	226857	20.000	ng	0.00
76) Chrysene-d12	21.457	240	238781	20.000	ng	0.00
86) Perylene-d12	24.466	264	258504	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	173367	75.241	ng	0.00
7) Phenol-d6	7.027	99	233092	74.363	ng	0.00
23) Nitrobenzene-d5	9.013	82	142829	52.268	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	93743	82.559	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	333397	49.541	ng	0.00
79) Terphenyl-d14	19.848	244	618586	52.382	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.013	70	19071	8.669	ng	# 72
26) 2-Nitrophenol	9.918	139	59	3.349	ng	# 26
32) Benzoic acid	9.818	122	55	8.719	ng	# 1
48) 2-Nitroaniline	13.396	65	53	3.244	ng	# 11
51) 2,6-Dinitrotoluene	14.483	165	14002	11.870	ng	# 16
54) 2,4-Dinitrophenol	14.830	184	57	7.962	ng	# 15
57) 2,4-Dinitrotoluene	14.483	165	14002	9.775	ng	# 17
63) Azobenzene	15.840	77	18213	2.085	ng	# 12
65) 4,6-Dinitro-2-methylph...	15.312	198	61	8.230	ng	# 23
67) 4-Bromophenyl-phenylether	15.970	248	6934	2.984	ng	# 1
71) Phenanthrene	17.268	178	45433	3.755	ng	95
72) Anthracene	17.268	178	45433	3.776	ng	97
75) Fluoranthene	19.278	202	118724	8.139	ng	98
77) Benzidine	19.848	184	11100	3.357	ng	# 91
78) Pyrene	19.636	202	109447	7.111	ng	97
80) Butylbenzylphthalate	20.541	149	274	3.681	ng	# 1
81) Benzo(a)anthracene	21.440	228	77427	5.062	ng	96
83) Chrysene	21.499	228	78694	5.158	ng	96
84) Bis(2-ethylhexyl)phtha...	21.375	149	18280	2.210	ng	98
87) Indeno(1,2,3-cd)pyrene	27.850	276	42922	2.482	ng	# 81
88) Benzo(b)fluoranthene	23.520	252	105458	6.748	ng	97
89) Benzo(k)fluoranthene	23.520	252	105458	6.727	ng	97
90) Benzo(a)pyrene	24.195	252	49852	3.582	ng	97
92) Benzo(g,h,i)perylene	28.907	276	40183	2.729	ng	# 92

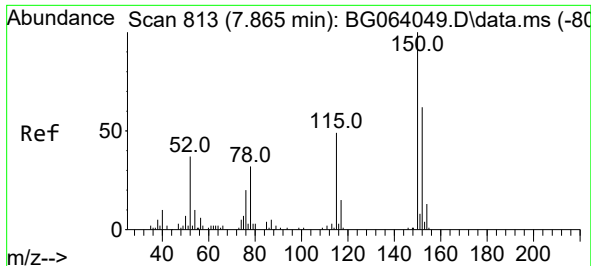
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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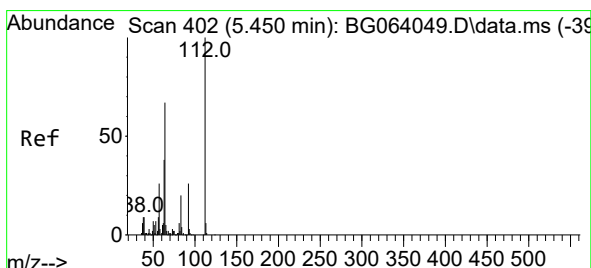
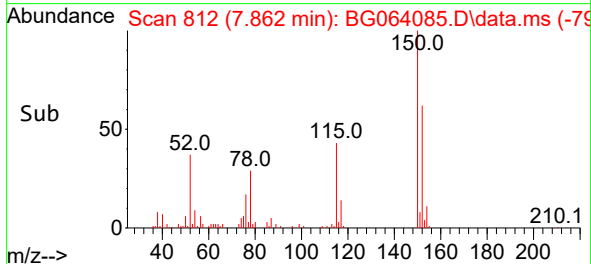
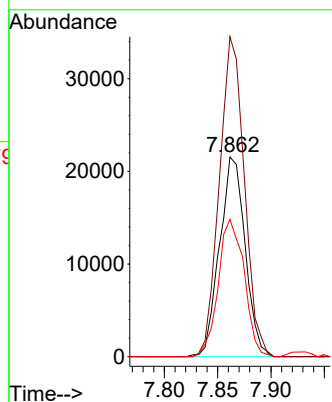
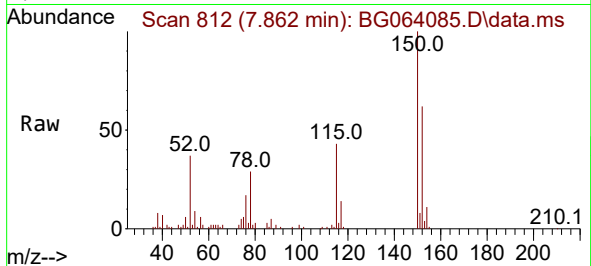




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

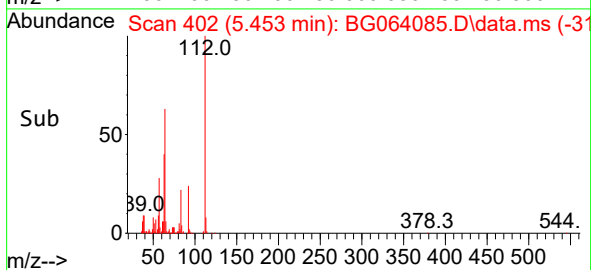
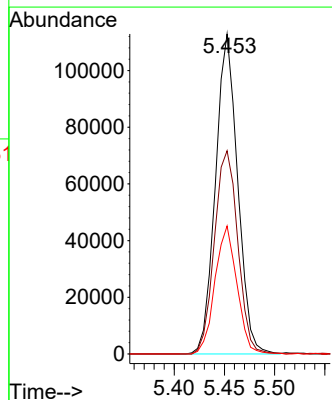
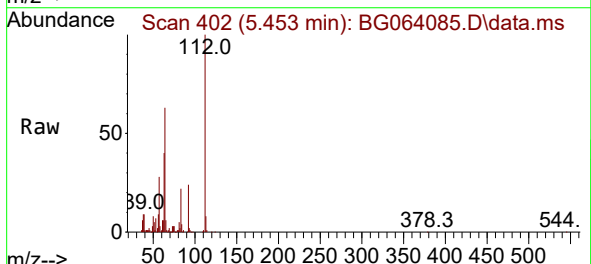
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

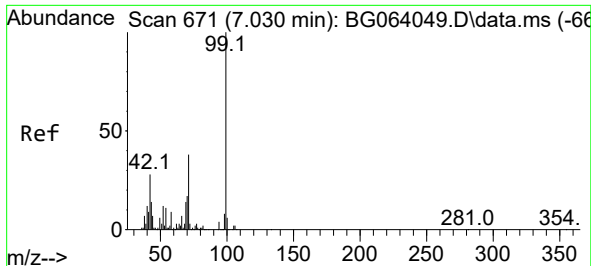
Tgt Ion:152 Resp: 35978
Ion Ratio Lower Upper
152 100
150 160.3 129.2 193.8
115 68.8 63.0 94.6



#5
2-Fluorophenol
Concen: 75.241 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:112 Resp: 173367
Ion Ratio Lower Upper
112 100
64 63.5 53.7 80.5
63 40.0 30.2 45.4

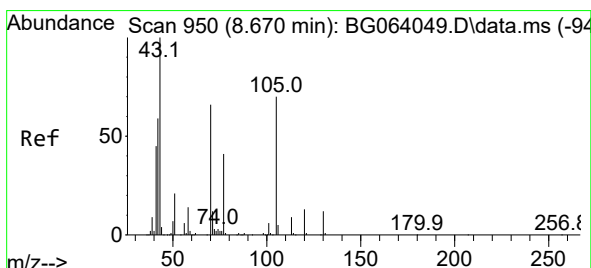
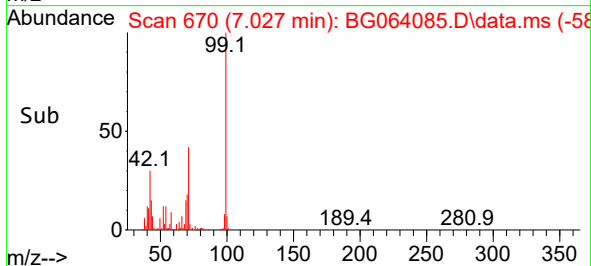
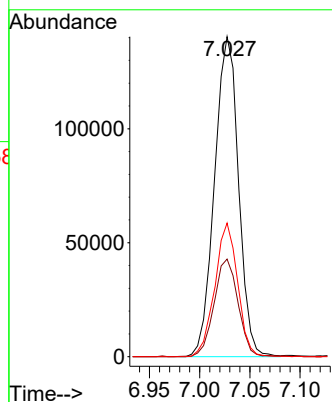
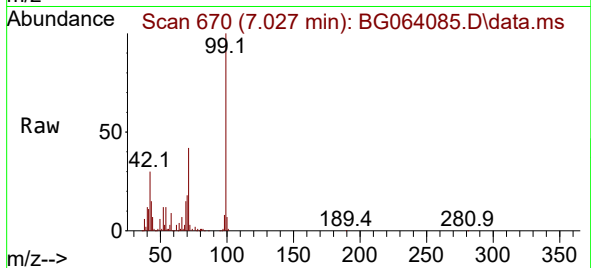




#7
Phenol-d6
Concen: 74.363 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

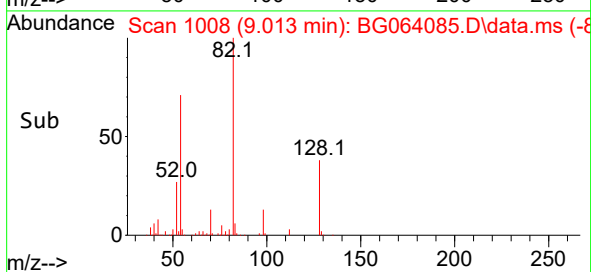
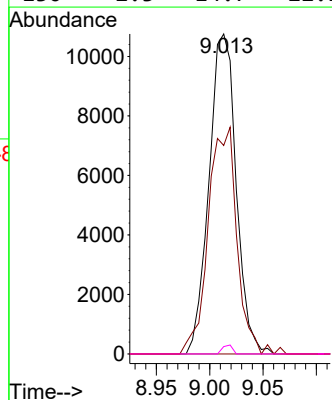
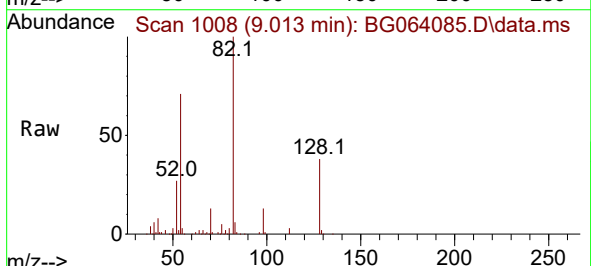
Instrument :
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ClientSampleId :
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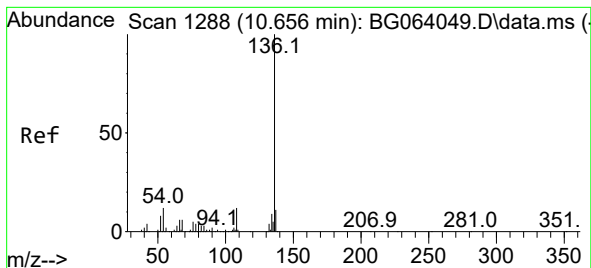
Tgt Ion: 99 Resp: 233092
Ion Ratio Lower Upper
99 100
42 30.5 22.7 34.1
71 41.8 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 8.669 ng
RT: 9.013 min Scan# 1008
Delta R.T. 0.344 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion: 70 Resp: 19071
Ion Ratio Lower Upper
70 100
42 65.2 72.1 108.1#
101 0.0 7.2 10.8#
130 2.3 14.7 22.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.647 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

Tgt Ion:136 Resp: 151009

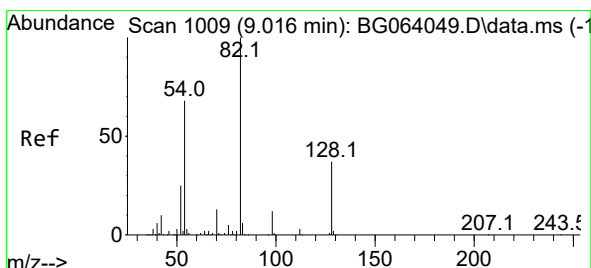
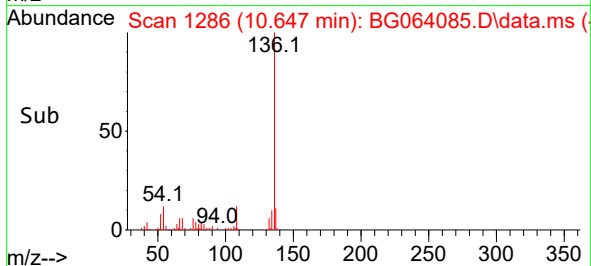
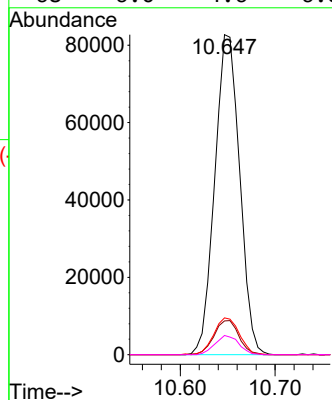
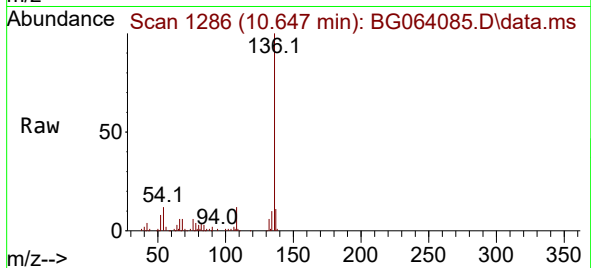
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 11.5 9.9 14.9

68 6.0 4.6 6.8



#23

Nitrobenzene-d5

Concen: 52.268 ng

RT: 9.013 min Scan# 1008

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

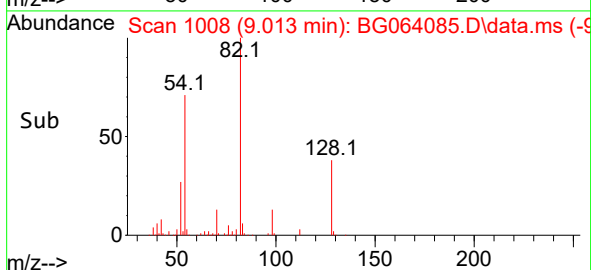
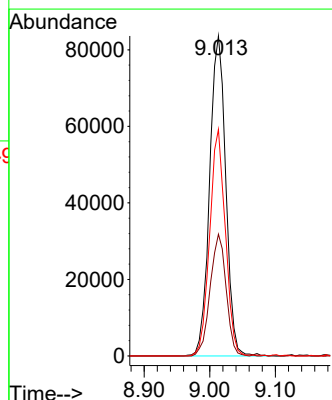
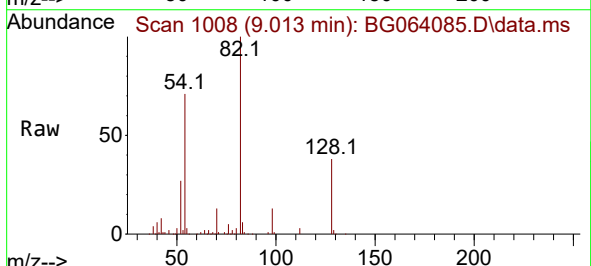
Tgt Ion: 82 Resp: 142829

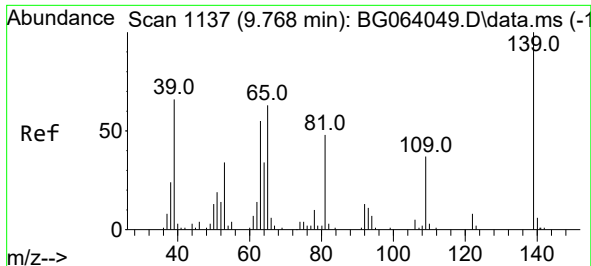
Ion Ratio Lower Upper

82 100

128 38.1 30.0 45.0

54 70.8 54.7 82.1

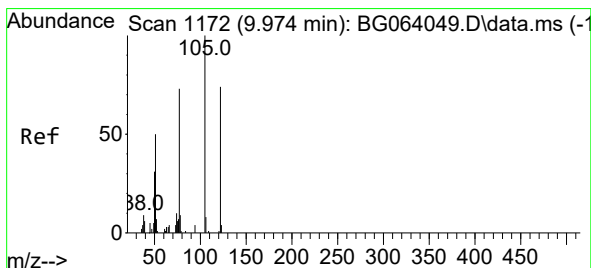
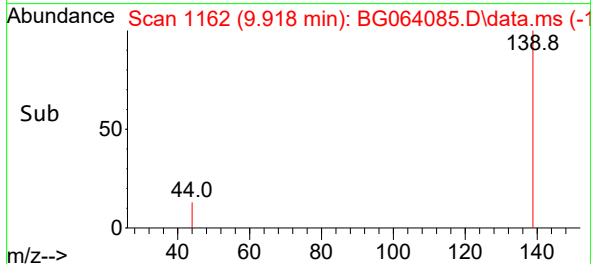
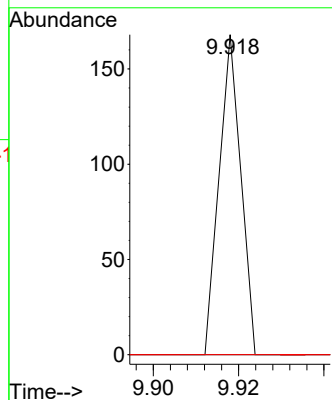
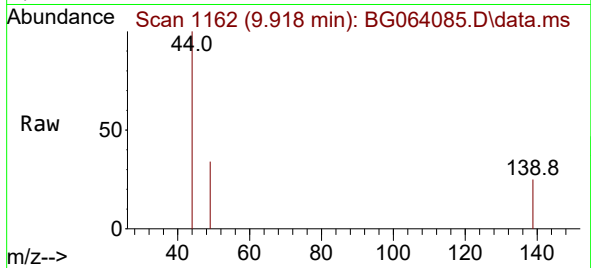




#26
2-Nitrophenol
Concen: 3.349 ng
RT: 9.918 min Scan# 1145
Delta R.T. 0.150 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

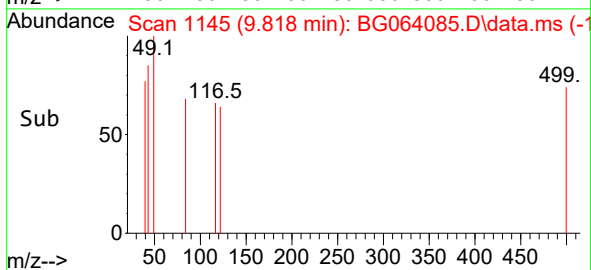
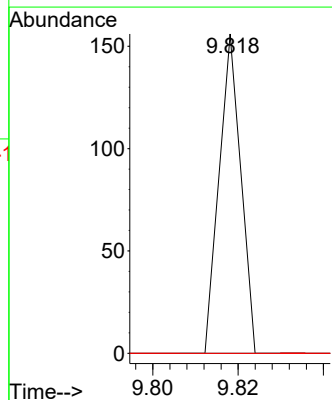
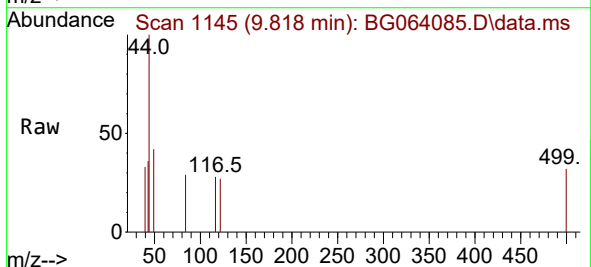
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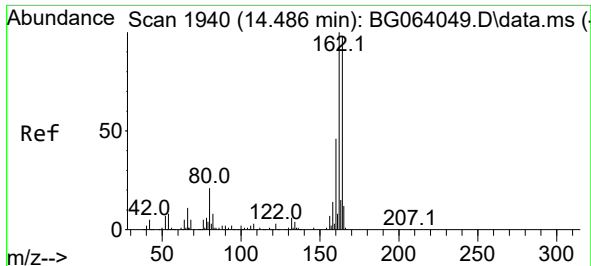
Tgt Ion:139 Resp: 59
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.719 ng
RT: 9.818 min Scan# 1145
Delta R.T. -0.156 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#

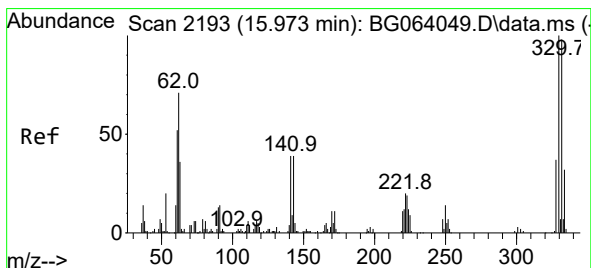
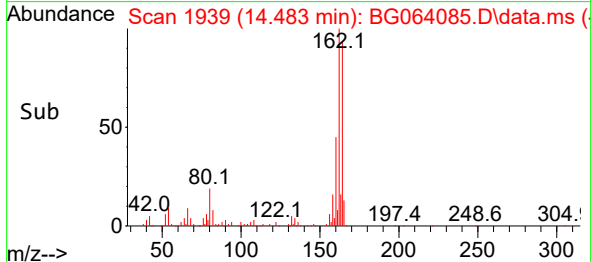
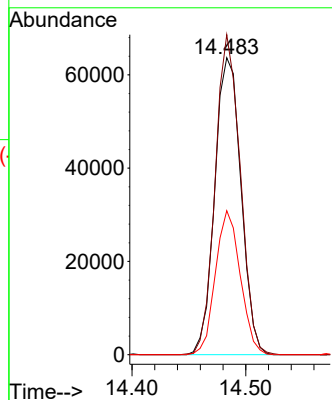
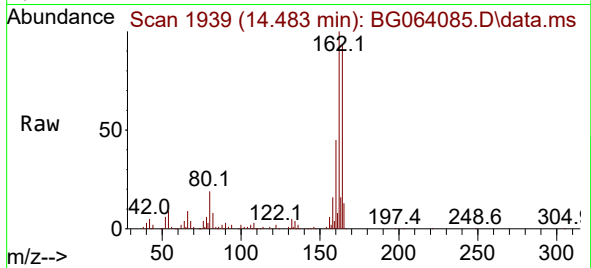




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

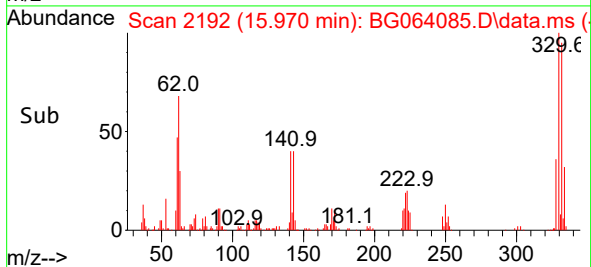
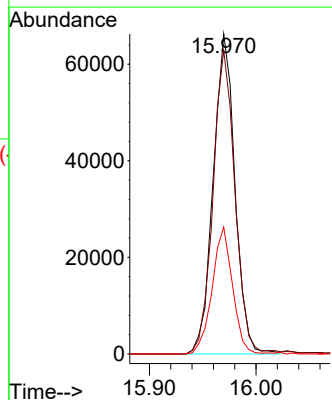
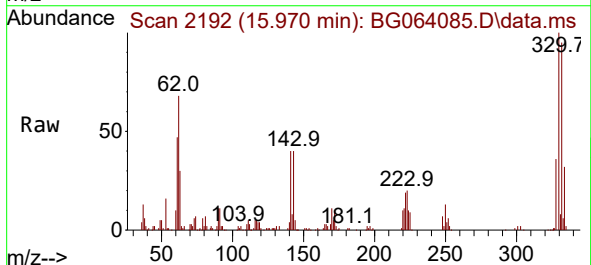
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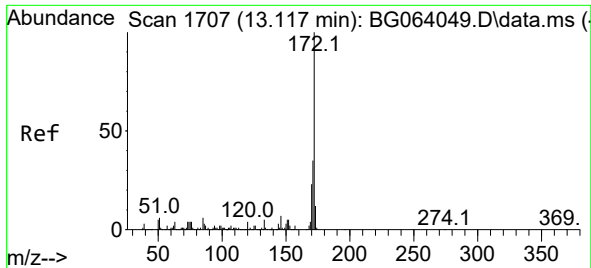
Tgt Ion:164 Resp: 102150
Ion Ratio Lower Upper
164 100
162 107.8 81.4 122.0
160 48.5 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 82.559 ng
RT: 15.970 min Scan# 2192
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:330 Resp: 93743
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 37.4 29.7 44.5

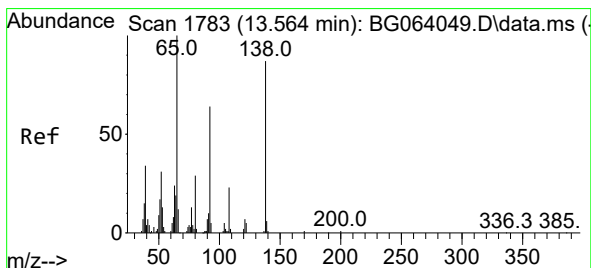
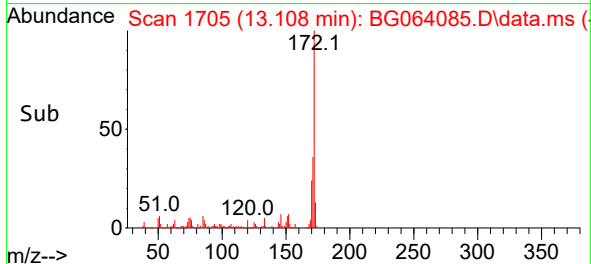
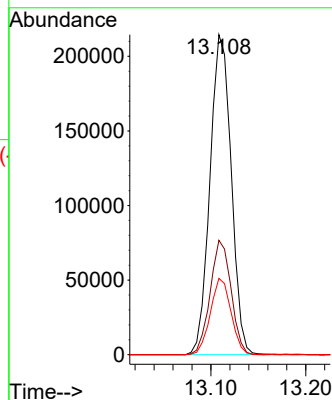
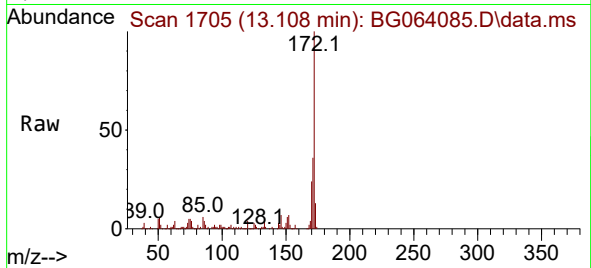




#45
2-Fluorobiphenyl
Concen: 49.541 ng
RT: 13.108 min Scan# 1705
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

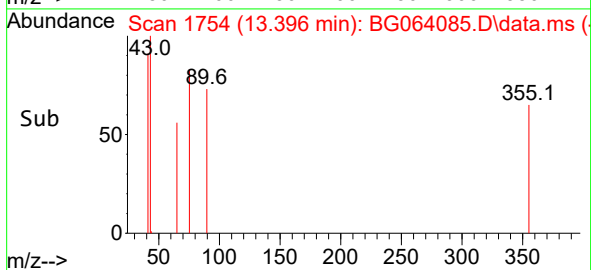
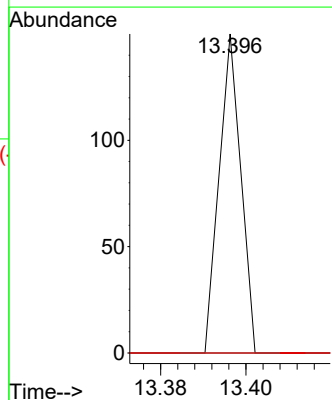
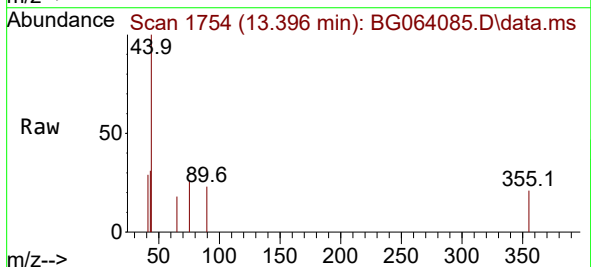
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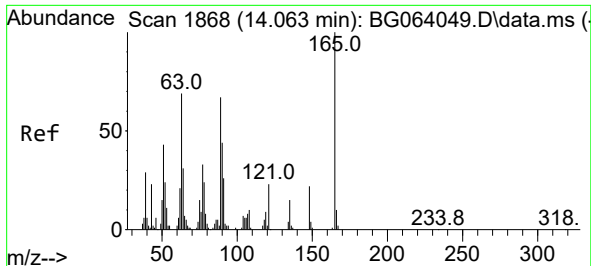
Tgt Ion:172 Resp: 333397
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.9 18.7 28.1



#48
2-Nitroaniline
Concen: 3.244 ng
RT: 13.396 min Scan# 1754
Delta R.T. -0.168 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#

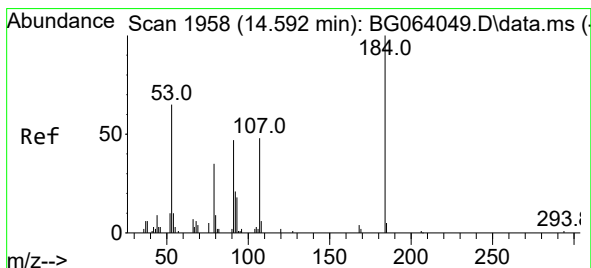
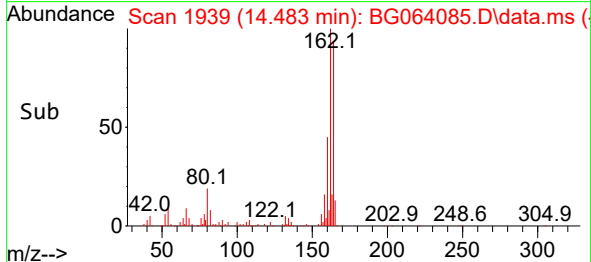
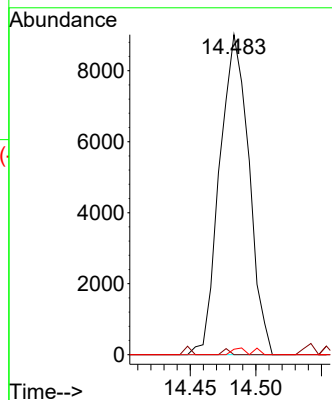
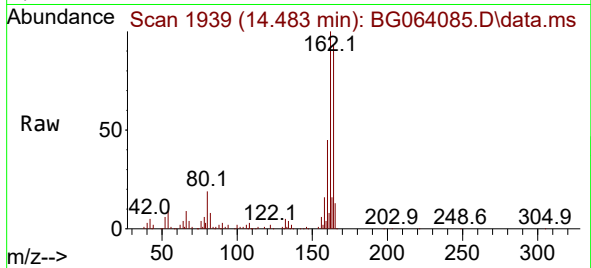




#51
2,6-Dinitrotoluene
Concen: 11.870 ng
RT: 14.483 min Scan# 1939
Delta R.T. 0.420 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

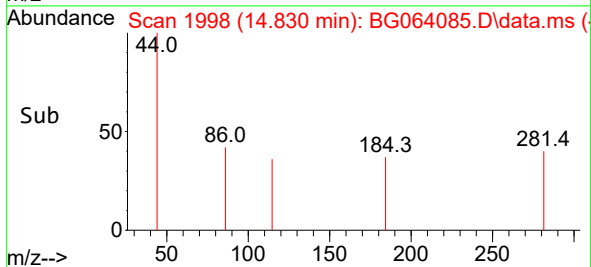
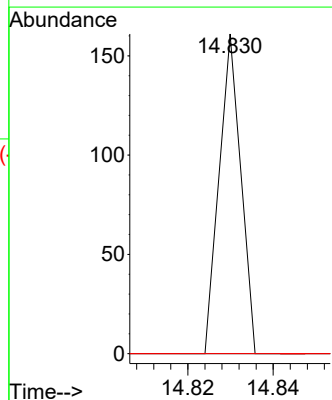
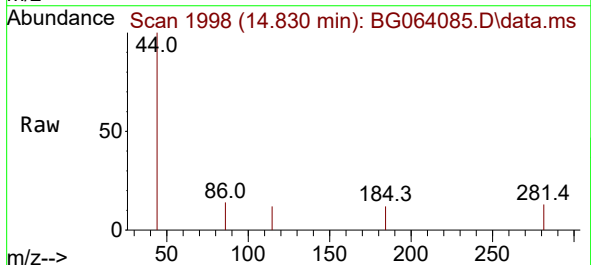
Instrument :
BNA_G
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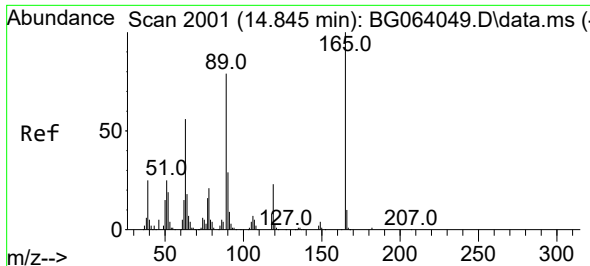
Tgt Ion:165 Resp: 14002
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 1.7 53.7 80.5#



#54
2,4-Dinitrophenol
Concen: 7.962 ng
RT: 14.830 min Scan# 1998
Delta R.T. 0.238 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 0.0 52.3 78.5#





#57

2,4-Dinitrotoluene

Concen: 9.775 ng

RT: 14.483 min Scan# 1939

Delta R.T. -0.362 min

Lab File: BG064085.D

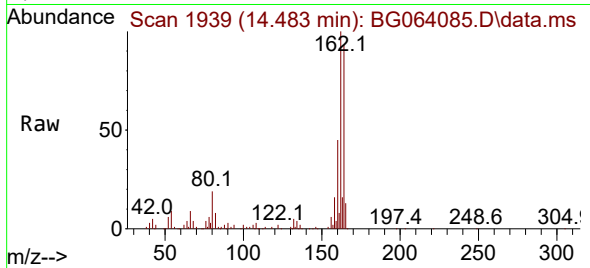
Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP



Tgt Ion:165 Resp: 14002

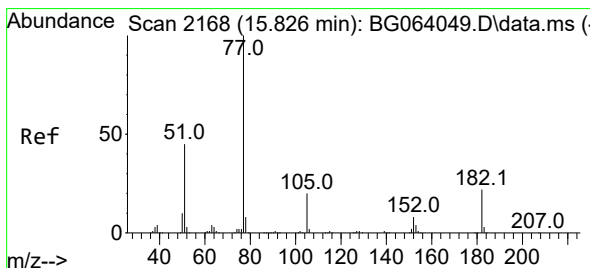
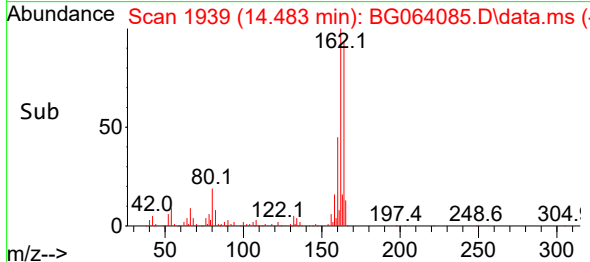
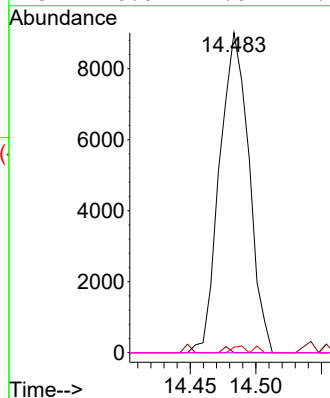
Ion Ratio Lower Upper

165 100

63 0.0 45.0 67.6#

89 1.7 63.1 94.7#

182 0.0 1.0 1.4#



#63

Azobenzene

Concen: 2.085 ng

RT: 15.840 min Scan# 2170

Delta R.T. 0.015 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Tgt Ion: 77 Resp: 18213

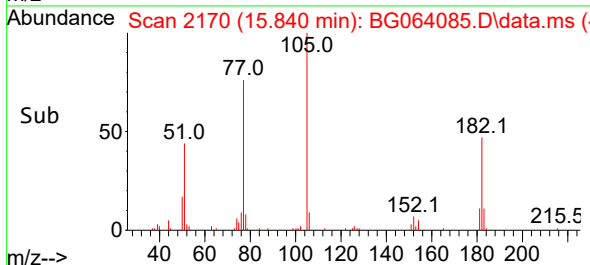
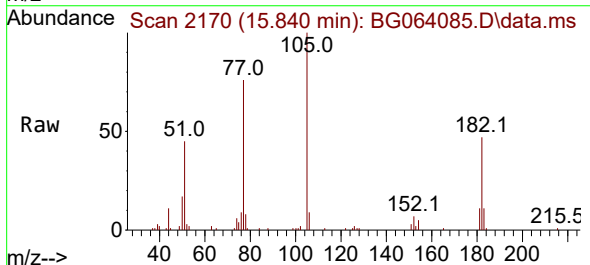
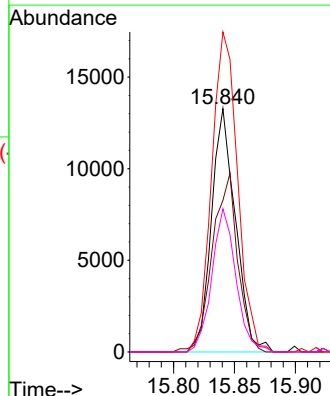
Ion Ratio Lower Upper

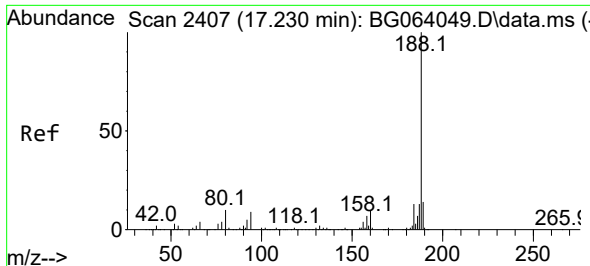
77 100

182 62.3 2.4 42.4#

105 131.5 0.0 40.0#

51 58.8 24.9 64.9

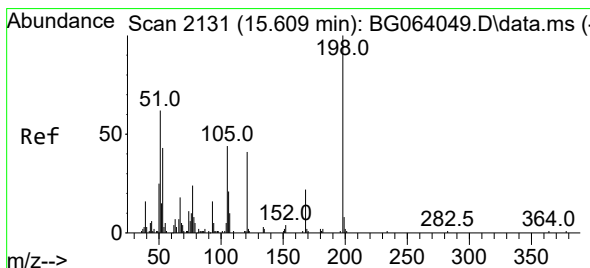
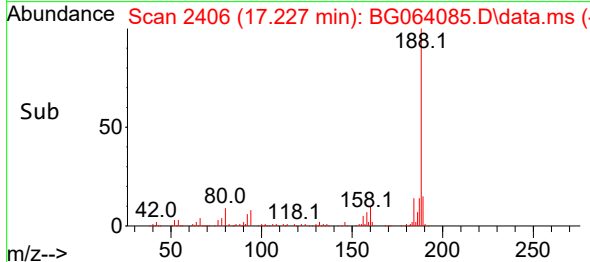
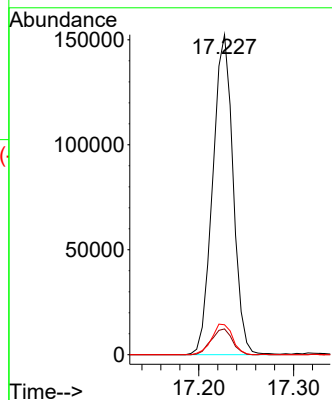
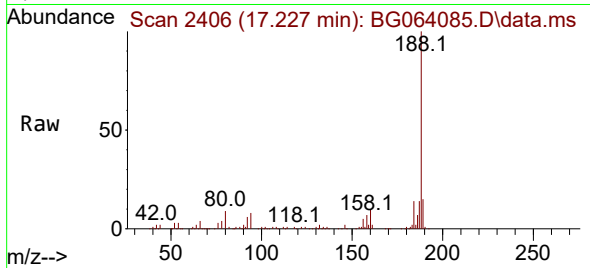




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

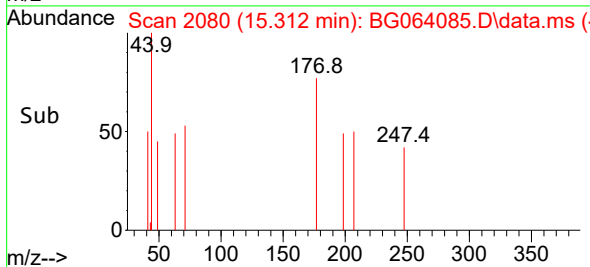
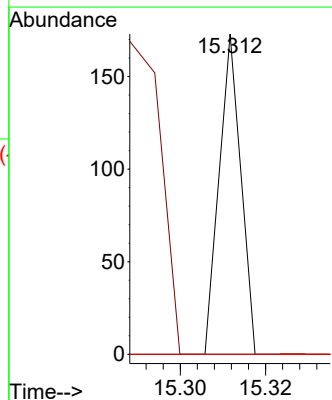
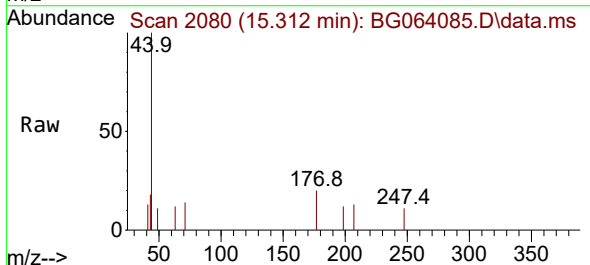
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

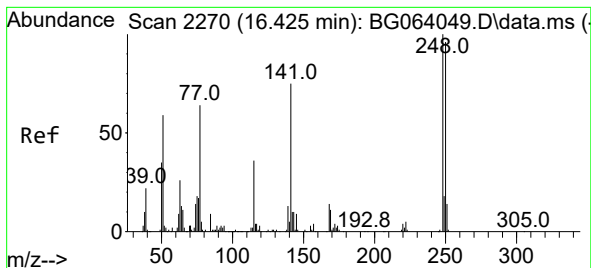
Tgt Ion:188 Resp: 226857
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 9.4 8.1 12.1



#65
4,6-Dinitro-2-methylphenol
Concen: 8.230 ng
RT: 15.312 min Scan# 2080
Delta R.T. -0.297 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:198 Resp: 61
Ion Ratio Lower Upper
198 100
51 0.0 45.6 85.6#
105 0.0 25.3 65.3#

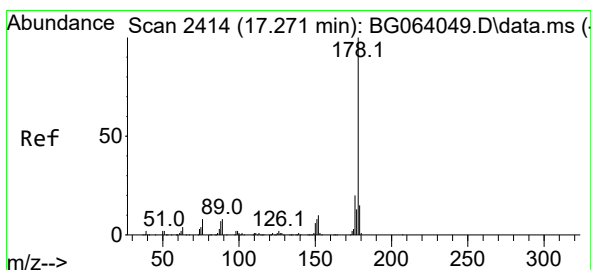
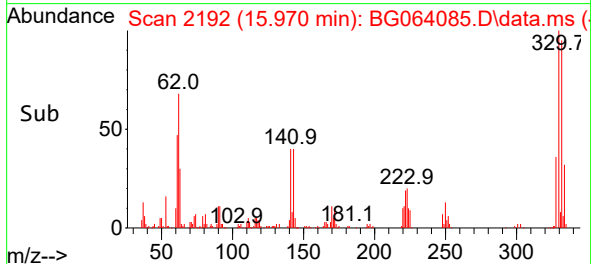
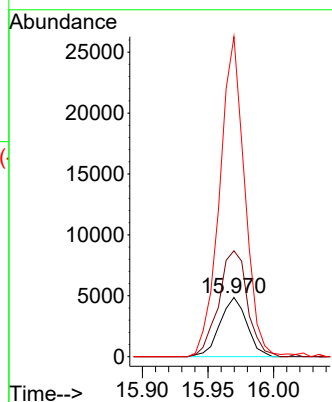
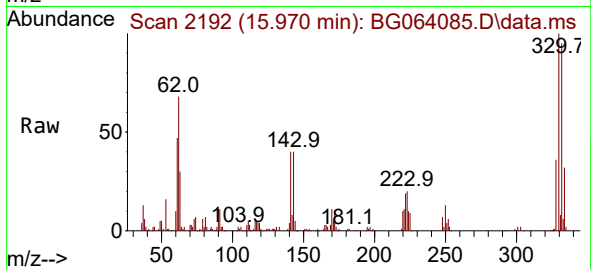




#67
4-Bromophenyl-phenylether
Concen: 2.984 ng
RT: 15.970 min Scan# 2119
Delta R.T. -0.456 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

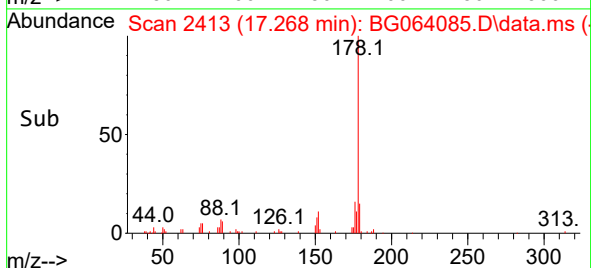
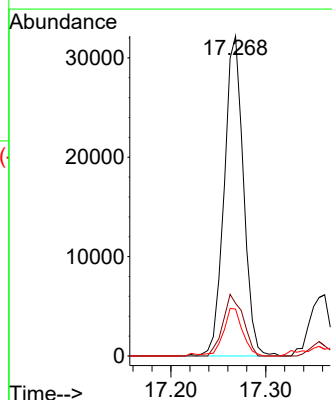
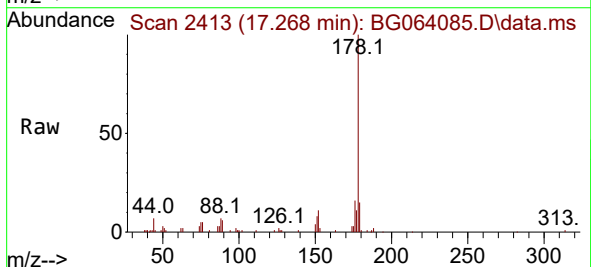
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

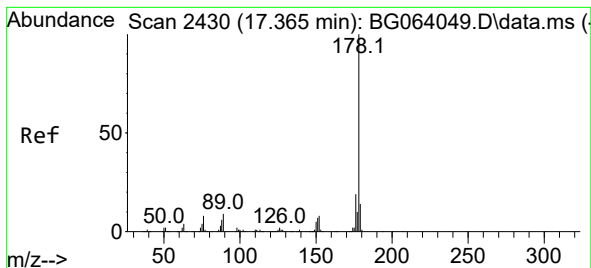
Tgt Ion:248 Resp: 6934
Ion Ratio Lower Upper
248 100
250 179.0 77.1 115.7#
141 540.8 59.8 89.8#



#71
Phenanthrene
Concen: 3.755 ng
RT: 17.268 min Scan# 2413
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:178 Resp: 45433
Ion Ratio Lower Upper
178 100
176 16.5 15.9 23.9
179 14.6 12.2 18.2





#72

Anthracene

Concen: 3.776 ng

RT: 17.268 min Scan# 24

Delta R.T. -0.097 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

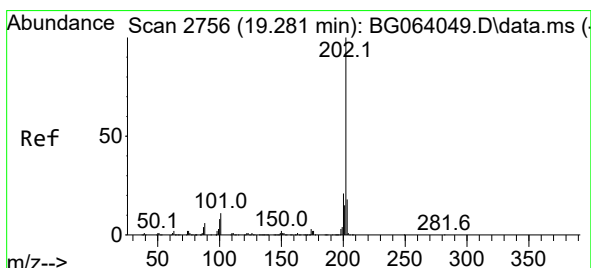
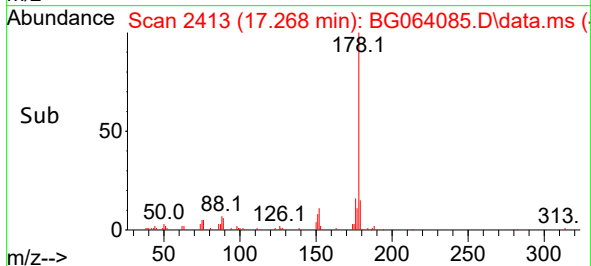
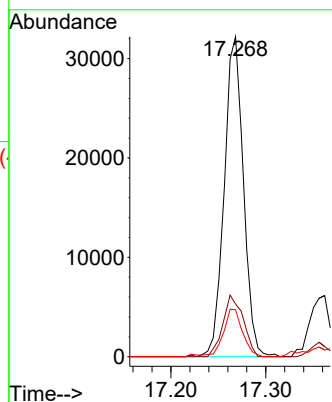
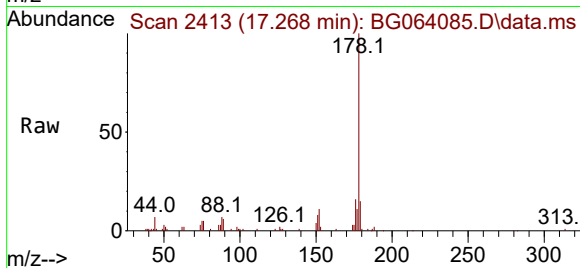
Tgt Ion:178 Resp: 45433

Ion Ratio Lower Upper

178 100

176 16.5 14.8 22.2

179 14.6 11.5 17.3



#75

Fluoranthene

Concen: 8.139 ng

RT: 19.278 min Scan# 2755

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

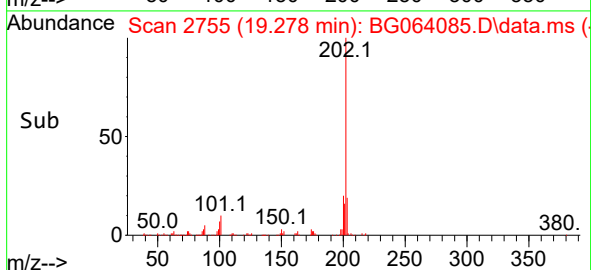
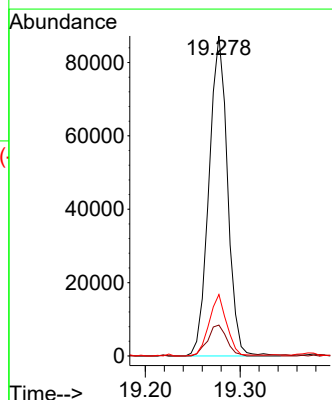
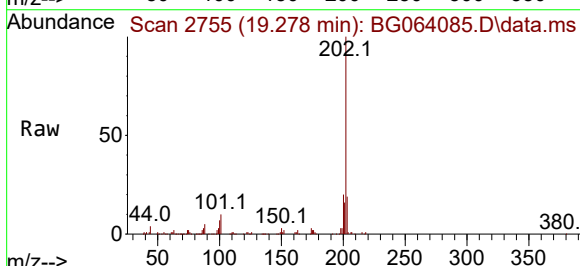
Tgt Ion:202 Resp: 118724

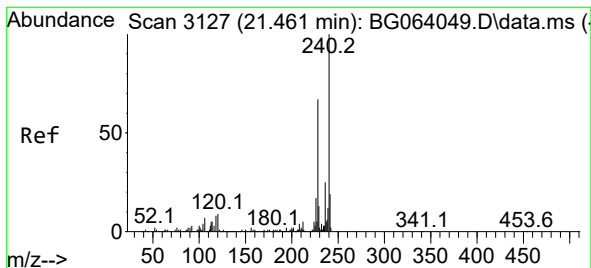
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.5

203 19.2 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.457 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

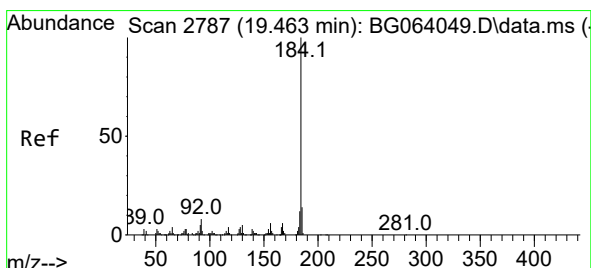
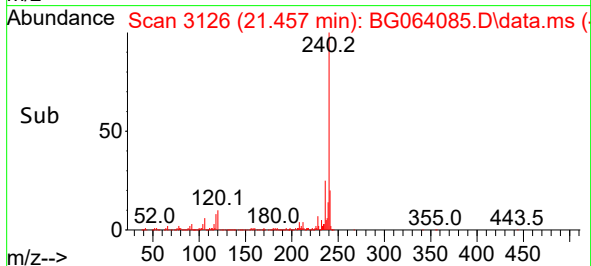
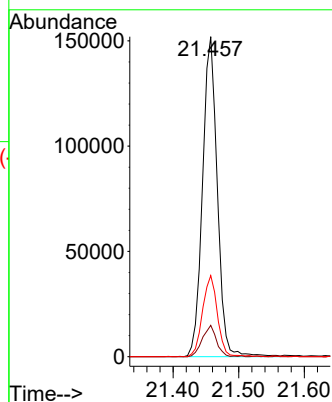
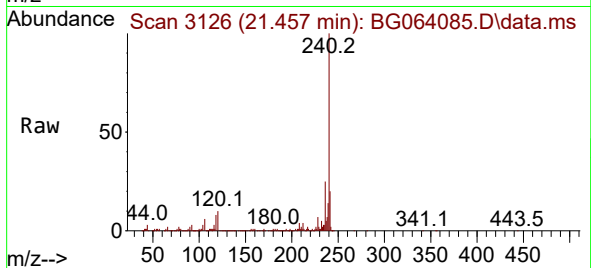
Tgt Ion:240 Resp: 238781

Ion Ratio Lower Upper

240 100

120 9.8 7.2 10.8

236 25.3 20.2 30.2



#77

Benzidine

Concen: 3.357 ng

RT: 19.848 min Scan# 2852

Delta R.T. 0.385 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

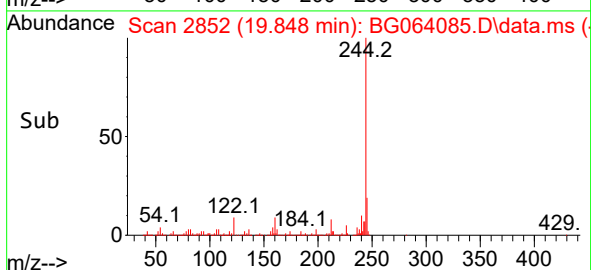
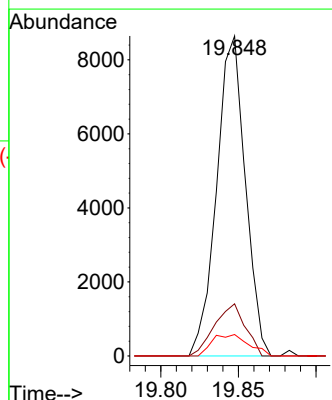
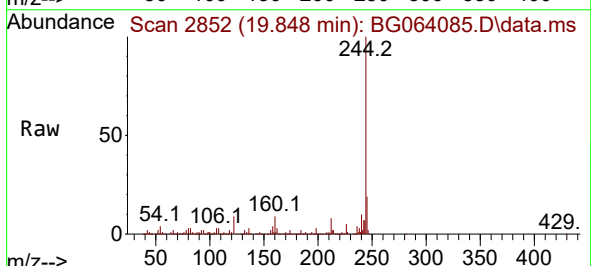
Tgt Ion:184 Resp: 11100

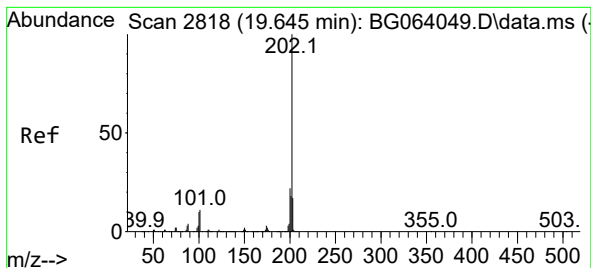
Ion Ratio Lower Upper

184 100

185 16.3 11.3 16.9

183 6.7 9.5 14.3#





#78

Pyrene

Concen: 7.111 ng

RT: 19.636 min Scan# 2816

Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

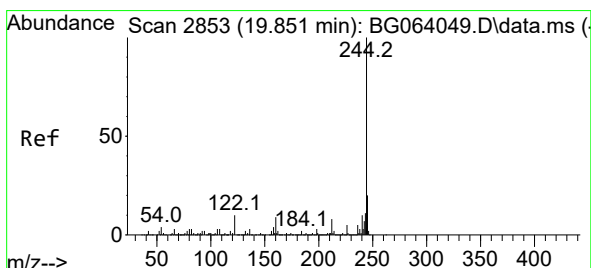
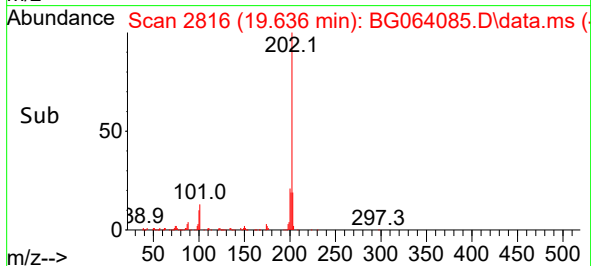
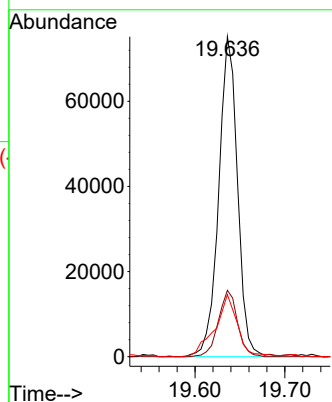
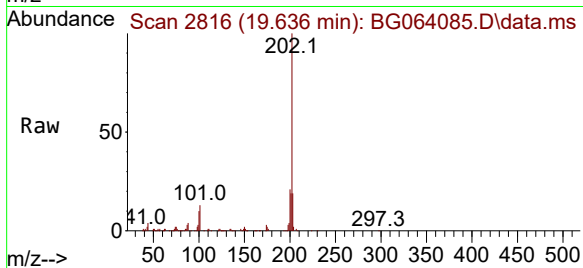
Tgt Ion:202 Resp: 109447

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 19.4 13.6 20.4



#79

Terphenyl-d14

Concen: 52.382 ng

RT: 19.848 min Scan# 2852

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

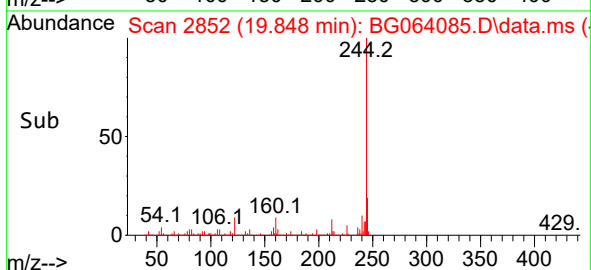
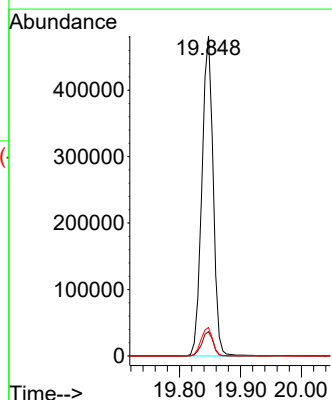
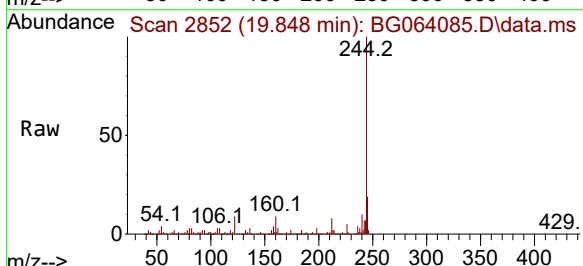
Tgt Ion:244 Resp: 618586

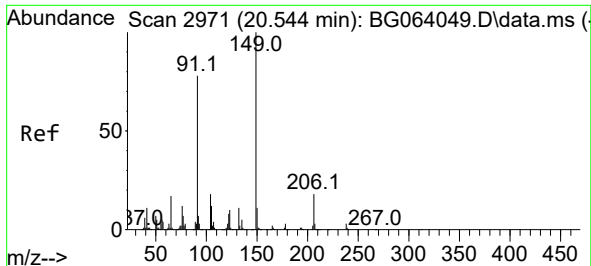
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.4

122 8.9 8.0 12.0

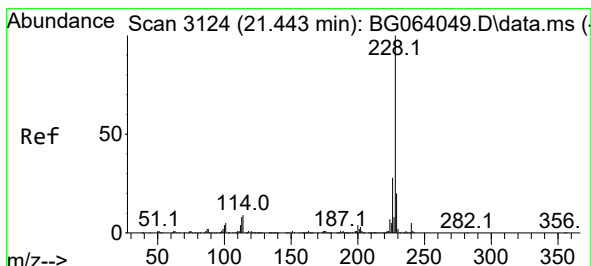
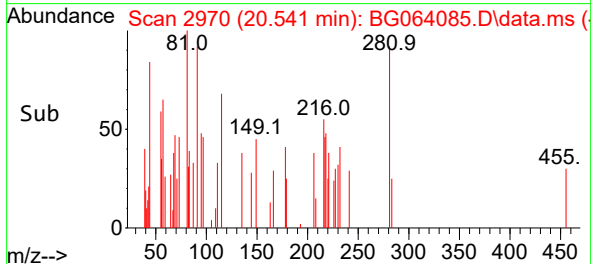
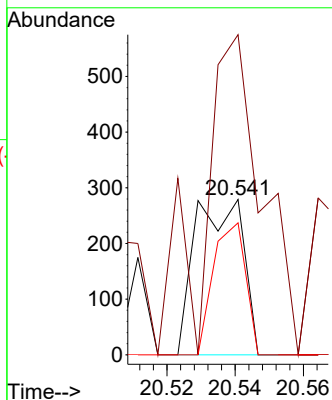
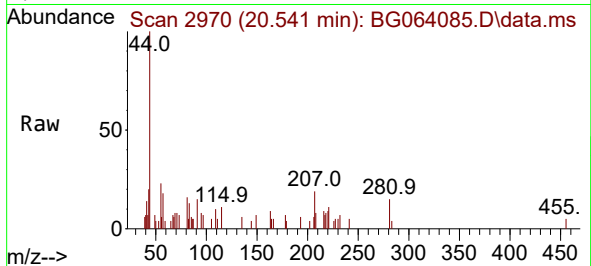




#80
Butylbenzylphthalate
Concen: 3.681 ng
RT: 20.541 min Scan# 2971
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

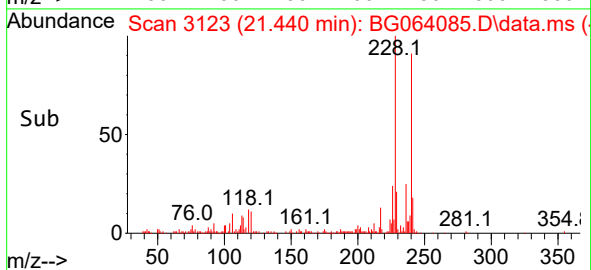
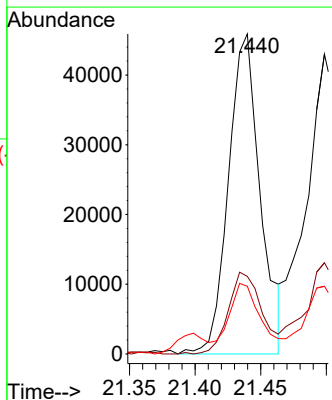
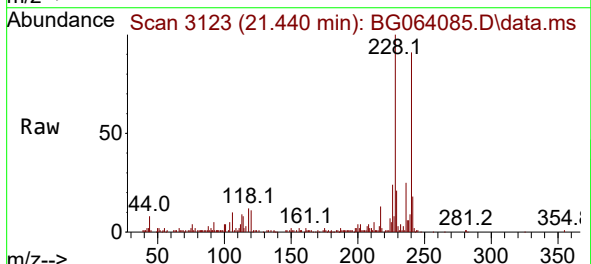
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

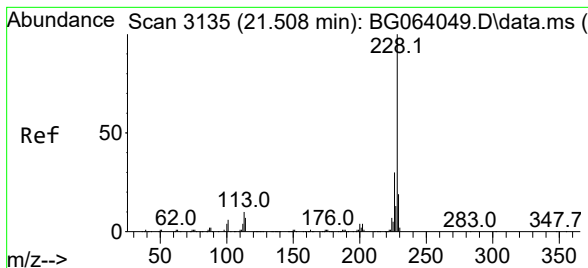
Tgt Ion:149 Resp: 274
Ion Ratio Lower Upper
149 100
91 206.1 62.0 93.0#
206 84.9 14.6 21.8#



#81
Benzo(a)anthracene
Concen: 5.062 ng
RT: 21.440 min Scan# 3123
Delta R.T. -0.003 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:228 Resp: 77427
Ion Ratio Lower Upper
228 100
226 24.3 22.2 33.2
229 21.2 16.4 24.6





#83

Chrysene

Concen: 5.158 ng

RT: 21.499 min Scan# 3112

Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

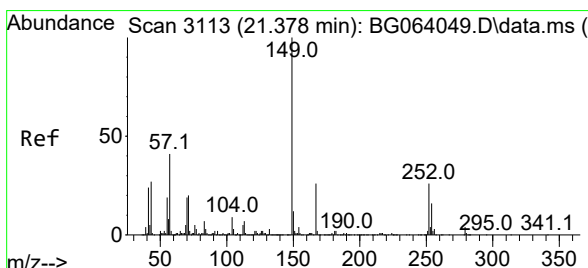
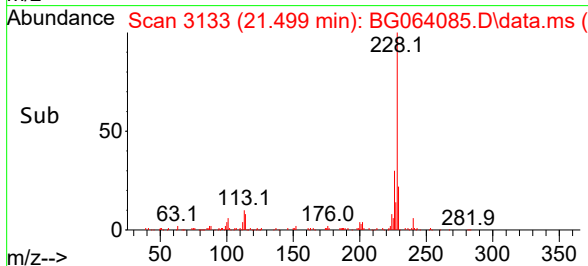
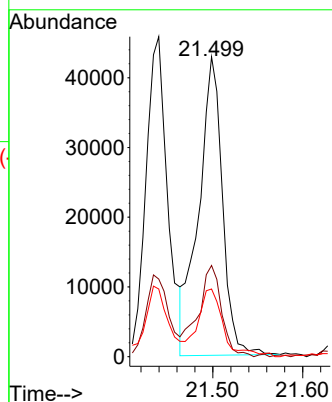
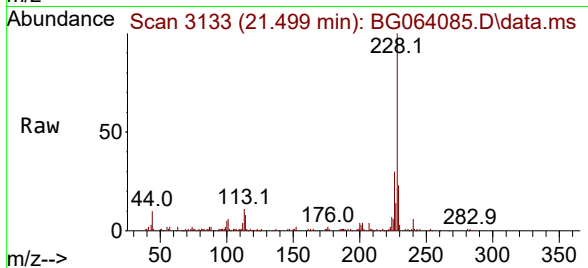
Tgt Ion:228 Resp: 78694

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 22.6 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.210 ng

RT: 21.375 min Scan# 3112

Delta R.T. -0.003 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

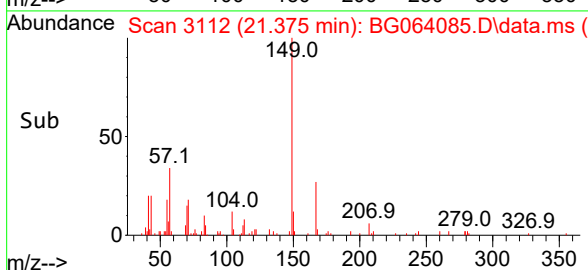
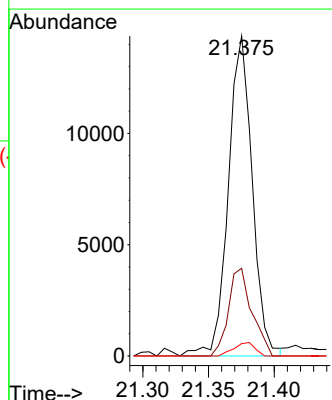
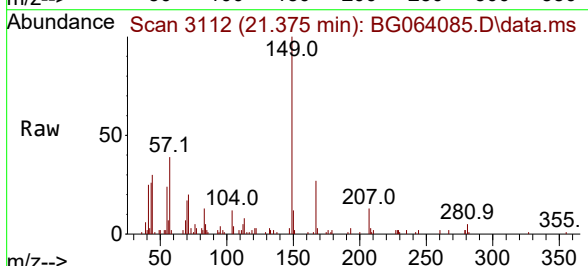
Tgt Ion:149 Resp: 18280

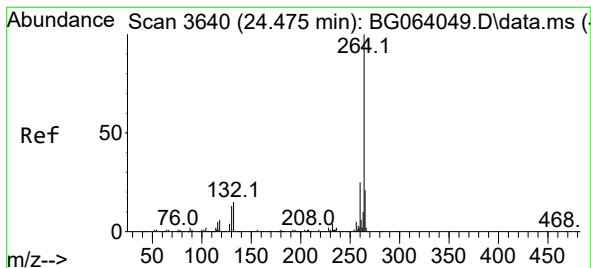
Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.6

279 3.9 2.8 4.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.466 min Scan# 3

Delta R.T. -0.009 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

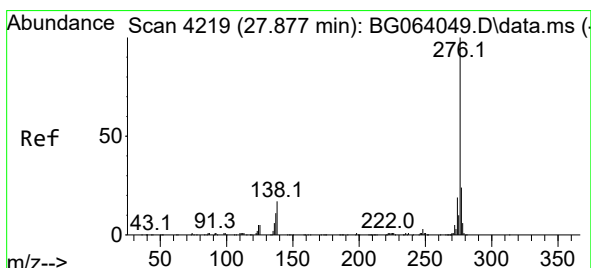
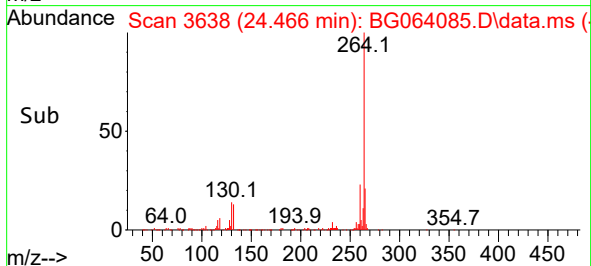
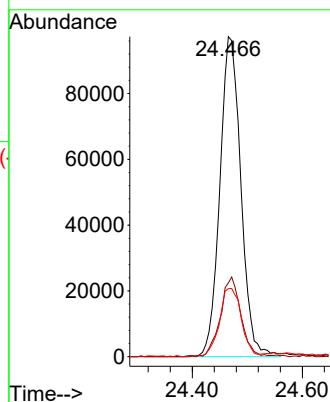
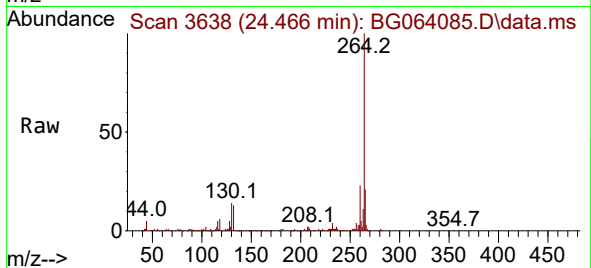
Tgt Ion:264 Resp: 258504

Ion Ratio Lower Upper

264 100

260 23.1 19.6 29.4

265 21.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.482 ng

RT: 27.850 min Scan# 4214

Delta R.T. -0.027 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

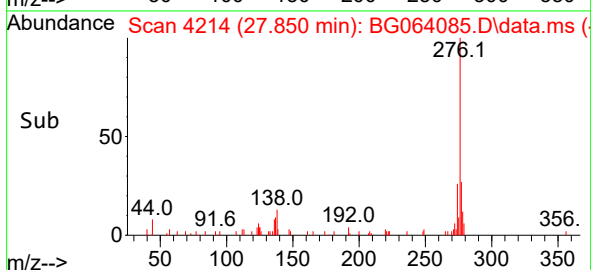
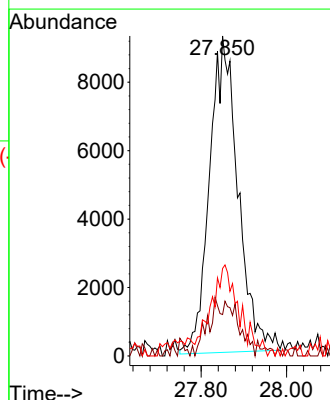
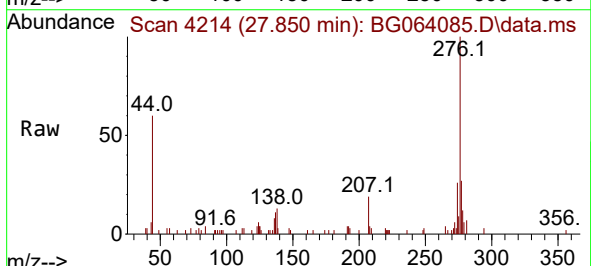
Tgt Ion:276 Resp: 42922

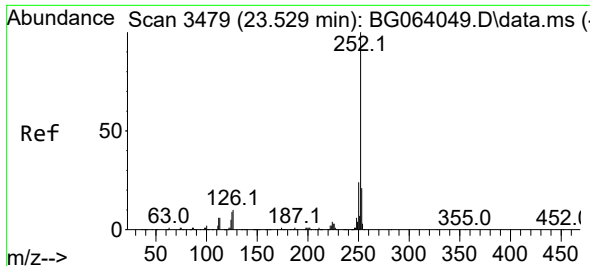
Ion Ratio Lower Upper

276 100

138 0.0 12.1 18.1#

277 21.0 20.0 30.0

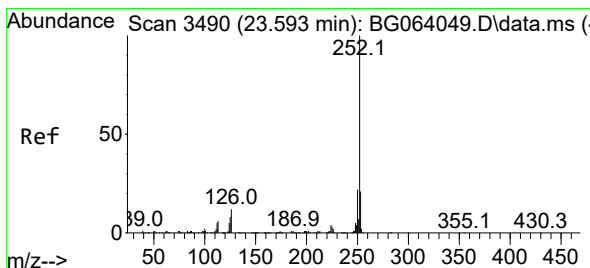
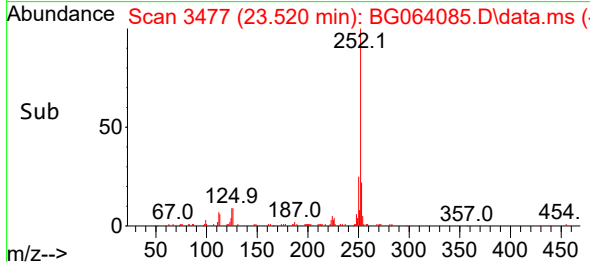
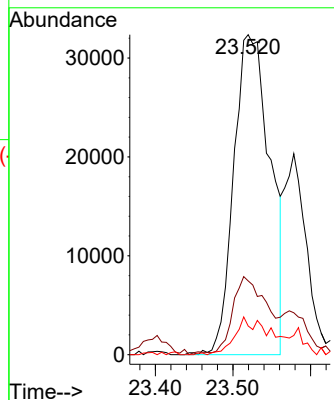
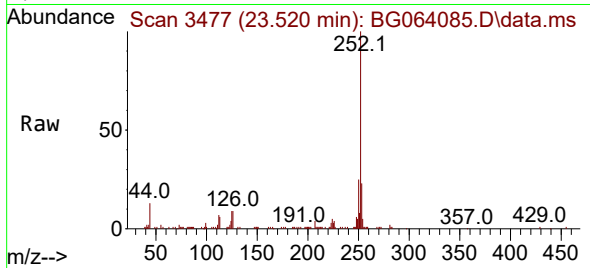




#88
Benzo(b)fluoranthene
Concen: 6.748 ng
RT: 23.520 min Scan# 3479
Delta R.T. -0.009 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

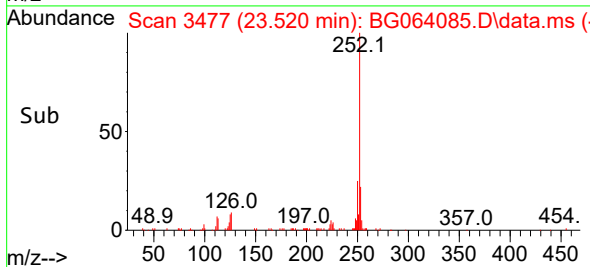
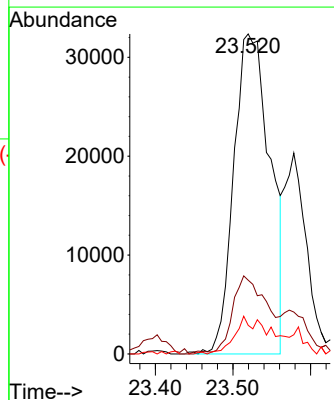
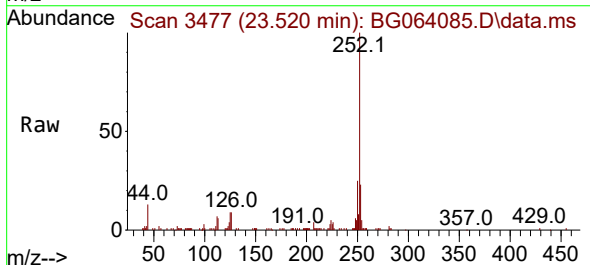
Instrument :
BNA_G
ClientSampleId :
72-11930-343-COMP

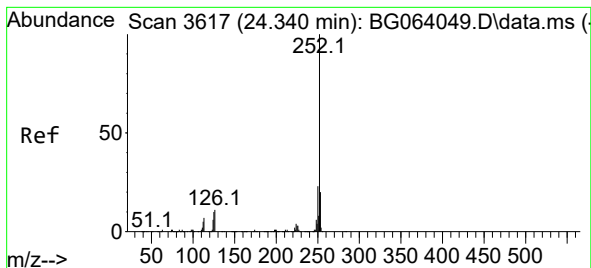
Tgt Ion:252 Resp: 105458
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 9.0 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 6.727 ng
RT: 23.520 min Scan# 3477
Delta R.T. -0.074 min
Lab File: BG064085.D
Acq: 10 Mar 2025 17:46

Tgt Ion:252 Resp: 105458
Ion Ratio Lower Upper
252 100
253 23.0 16.8 25.2
125 9.0 6.9 10.3





#90

Benzo(a)pyrene

Concen: 3.582 ng

RT: 24.195 min Scan# 3

Delta R.T. -0.144 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Instrument :

BNA_G

ClientSampleId :

72-11930-343-COMP

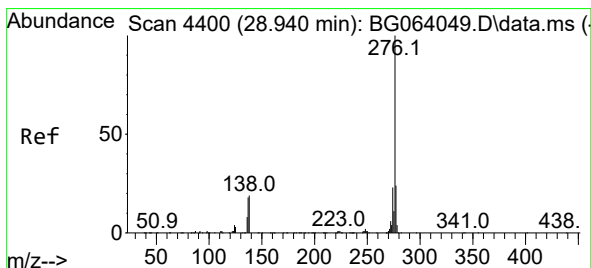
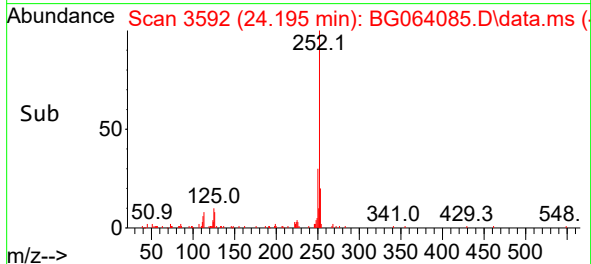
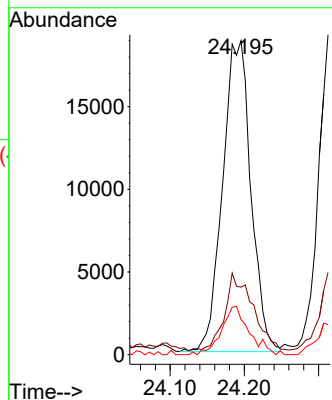
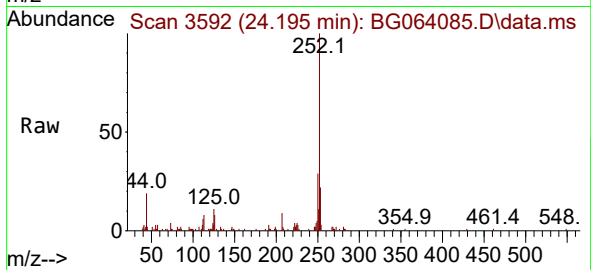
Tgt Ion:252 Resp: 49852

Ion Ratio Lower Upper

252 100

253 21.5 16.2 24.2

125 11.2 7.8 11.6



#92

Benzo(g,h,i)perylene

Concen: 2.729 ng

RT: 28.907 min Scan# 4394

Delta R.T. -0.033 min

Lab File: BG064085.D

Acq: 10 Mar 2025 17:46

Tgt Ion:276 Resp: 40183

Ion Ratio Lower Upper

276 100

277 25.7 19.5 29.3

138 26.0 15.4 23.0#

