

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
 Data File : BG064097.D
 Acq On : 11 Mar 2025 15:56
 Operator : RC/JU
 Sample : Q1534-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-363-COMP-18

Quant Time: Mar 11 16:31:30 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)

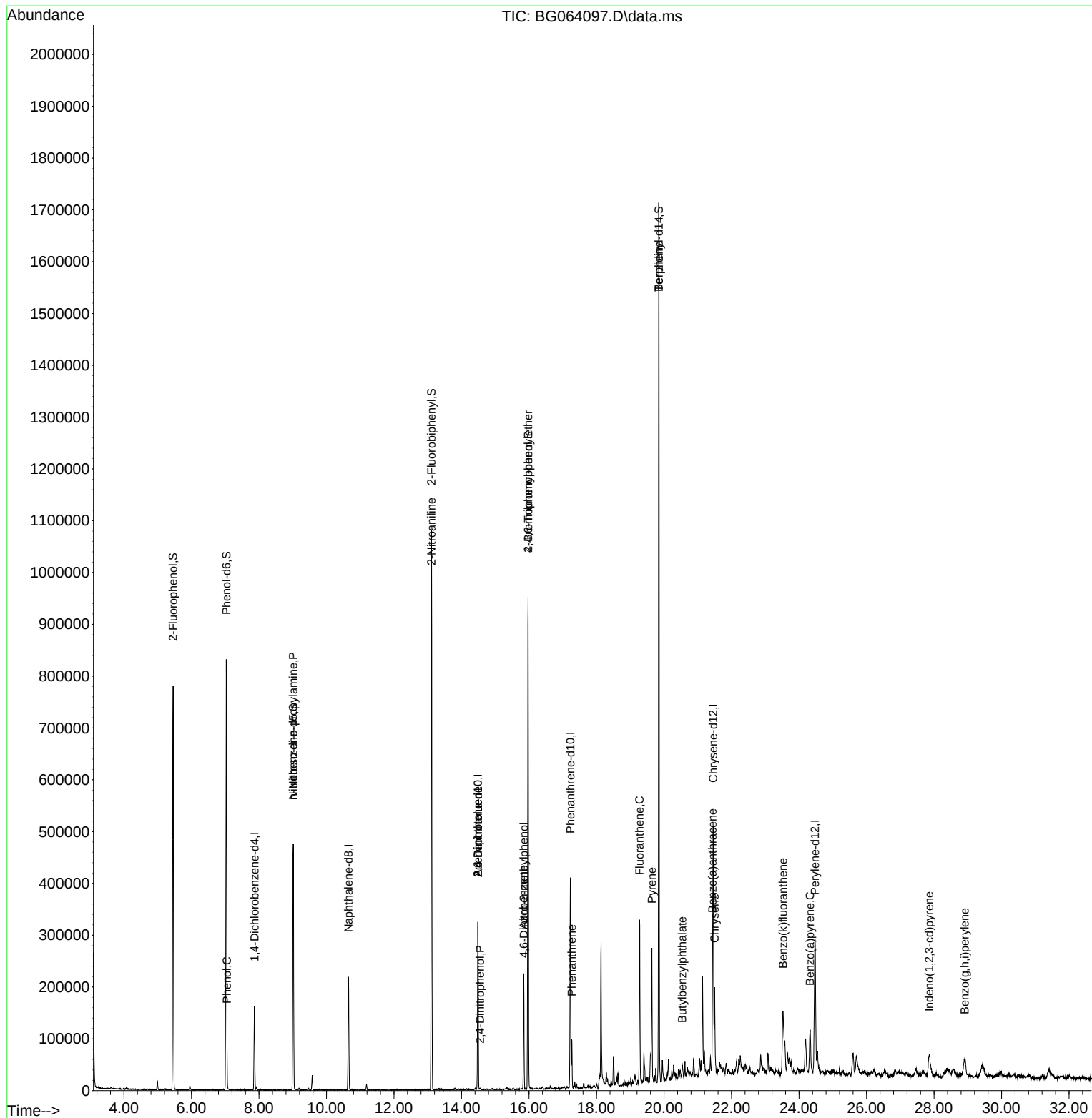
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	38207	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	163333	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	106509	20.000	ng	0.00
64) Phenanthrene-d10	17.225	188	231530	20.000	ng	0.00
76) Chrysene-d12	21.455	240	234132	20.000	ng	0.00
86) Perylene-d12	24.475	264	254247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	282898	115.615	ng	0.00
7) Phenol-d6	7.031	99	384230	115.428	ng	0.00
23) Nitrobenzene-d5	9.017	82	251285	85.020	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	152911	129.156	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	502841	71.661	ng	0.00
79) Terphenyl-d14	19.845	244	780969	67.446	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.054	94	7155	2.099	ng	80
19) n-Nitroso-di-n-propyla...	9.017	70	36327	15.550	ng	# 74
48) 2-Nitroaniline	13.106	65	1185	3.865	ng	# 39
51) 2,6-Dinitrotoluene	14.487	165	14797	11.985	ng	# 16
54) 2,4-Dinitrophenol	14.551	184	56	7.958	ng	# 1
57) 2,4-Dinitrotoluene	14.487	165	14797	9.858	ng	# 17
63) Azobenzene	15.844	77	59057	6.484	ng	# 3
65) 4,6-Dinitro-2-methylph...	15.850	198	91	8.254	ng	# 1
67) 4-Bromophenyl-phenylether	15.973	248	11164	4.708	ng	# 1
71) Phenanthrene	17.272	178	56753	4.596	ng	99
75) Fluoranthene	19.275	202	183505	12.326	ng	96
77) Benzidine	19.845	184	14235	4.391	ng	# 87
78) Pyrene	19.640	202	160457	10.631	ng	98
80) Butylbenzylphthalate	20.538	149	5064	4.464	ng	# 94
81) Benzo(a)anthracene	21.437	228	83734	5.583	ng	99
83) Chrysene	21.502	228	101172	6.764	ng	98
87) Indeno(1,2,3-cd)pyrene	27.853	276	67098	3.944	ng	96
89) Benzo(k)fluoranthene	23.529	252	136487	8.852	ng	# 96
90) Benzo(a)pyrene	24.328	252	86441	6.315	ng	97
92) Benzo(g,h,i)perylene	28.911	276	63539	4.388	ng	# 94

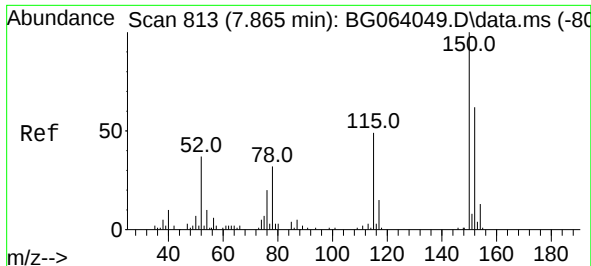
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031125\
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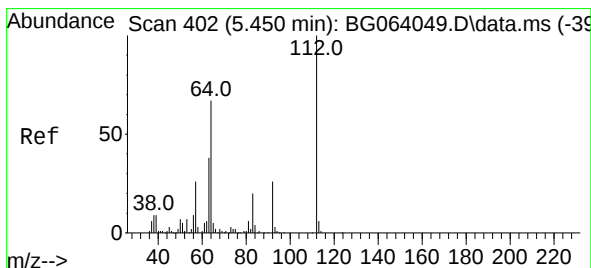
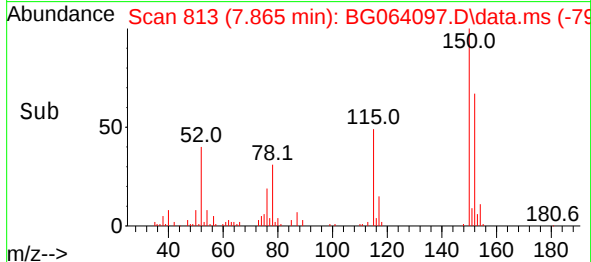
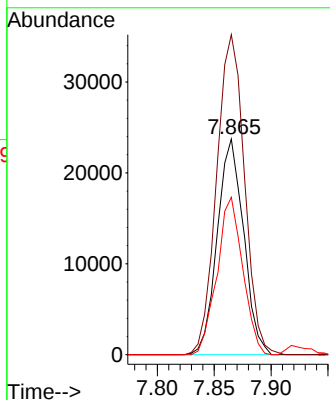
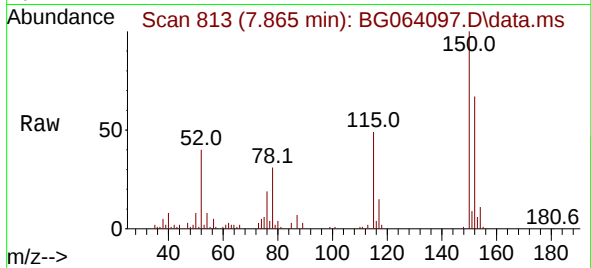




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 813
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

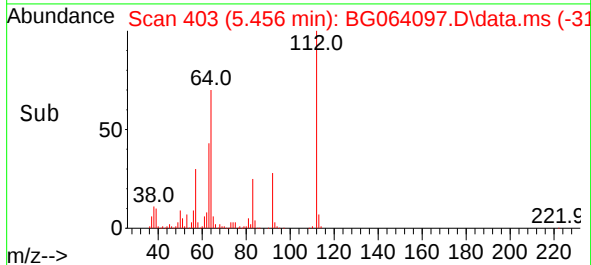
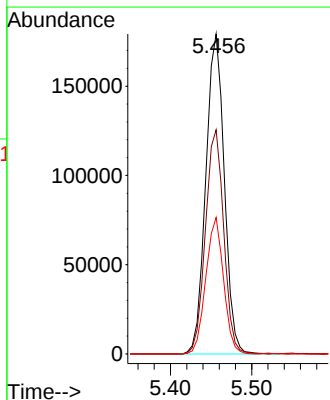
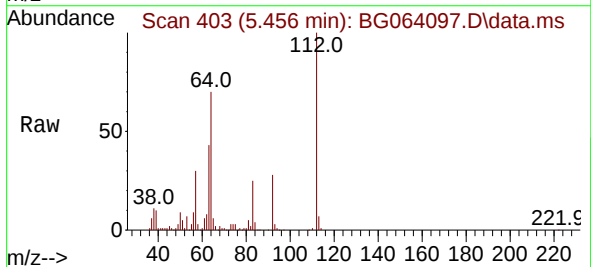
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

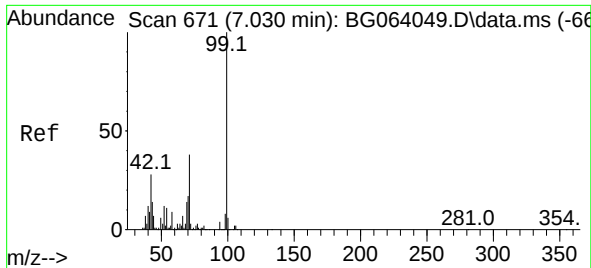
Tgt Ion:152 Resp: 38207
Ion Ratio Lower Upper
152 100
150 148.4 129.2 193.8
115 73.0 63.0 94.6



#5
2-Fluorophenol
Concen: 115.615 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:112 Resp: 282898
Ion Ratio Lower Upper
112 100
64 70.0 53.7 80.5
63 42.7 30.2 45.4

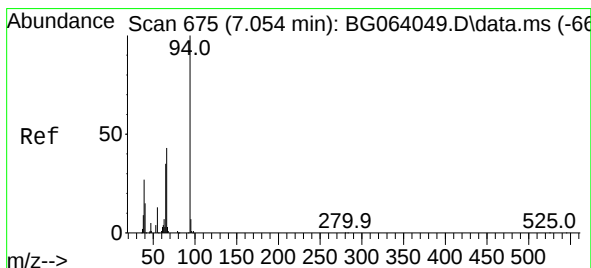
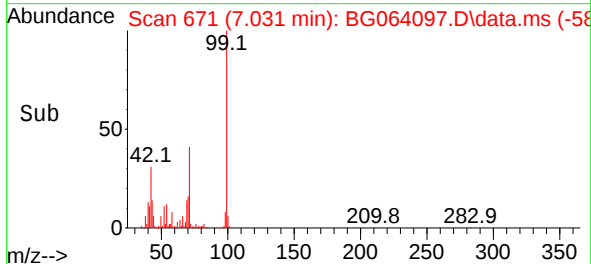
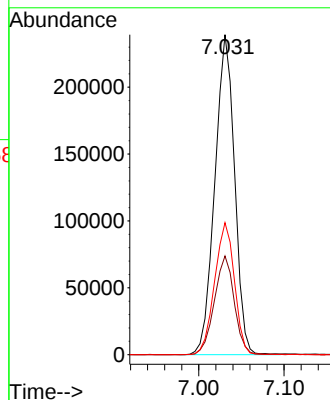
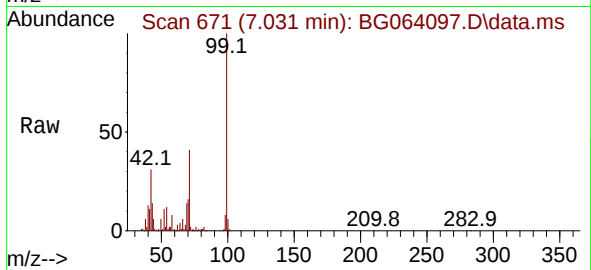




#7
Phenol-d6
Concen: 115.428 ng
RT: 7.031 min Scan# 671
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

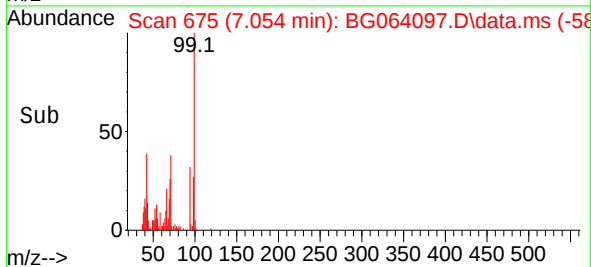
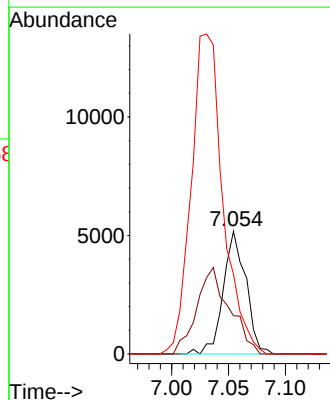
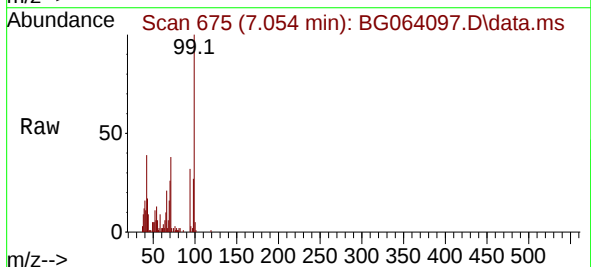
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

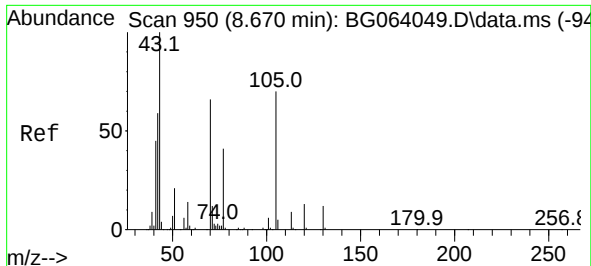
Tgt Ion: 99 Resp: 384230
Ion Ratio Lower Upper
99 100
42 30.9 22.7 34.1
71 41.3 30.6 46.0



#10
Phenol
Concen: 2.099 ng
RT: 7.054 min Scan# 675
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion: 94 Resp: 7155
Ion Ratio Lower Upper
94 100
65 31.2 15.2 55.2
66 65.0 25.1 65.1

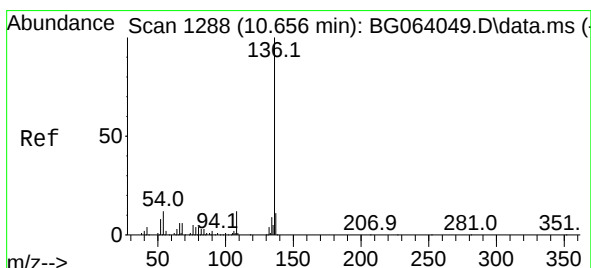
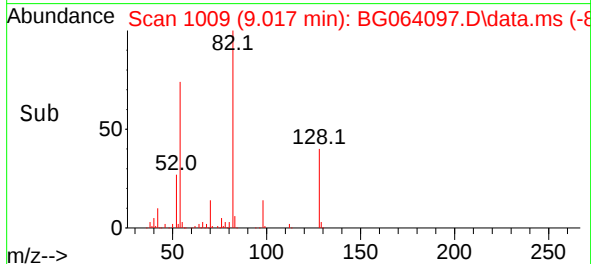
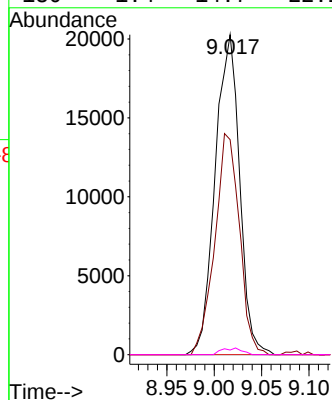
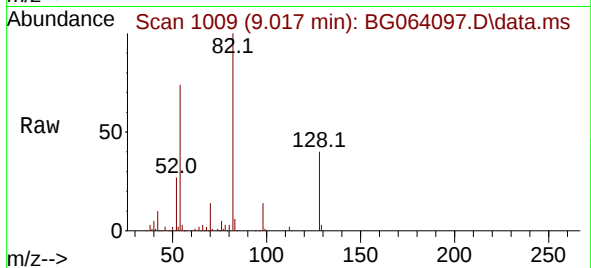




#19
n-Nitroso-di-n-propylamine
Concen: 15.550 ng
RT: 9.017 min Scan# 1009
Delta R.T. 0.347 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

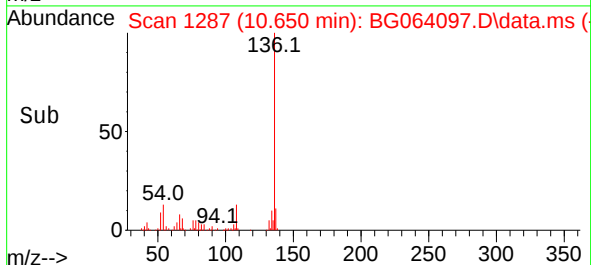
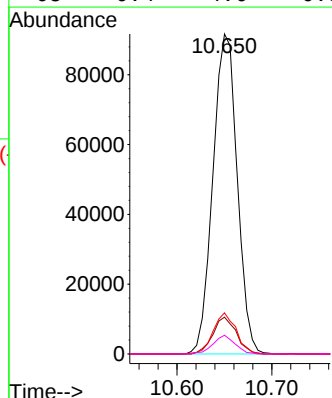
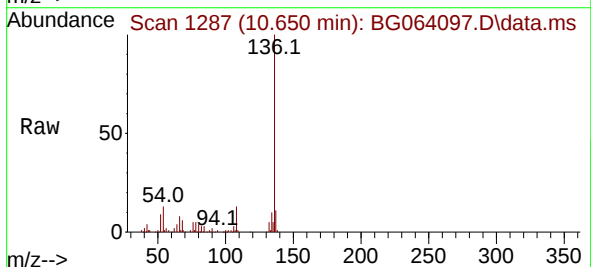
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

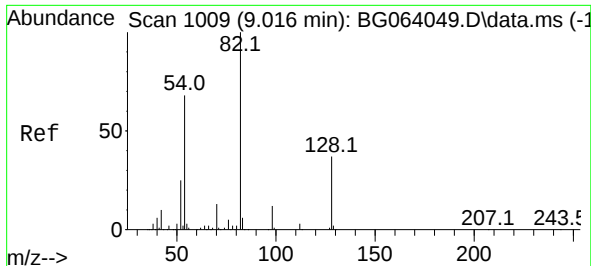
Tgt Ion: 70 Resp: 36327
Ion Ratio Lower Upper
70 100
42 67.2 72.1 108.1#
101 0.0 7.2 10.8#
130 1.4 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:136 Resp: 163333
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 12.8 9.9 14.9
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 85.020 ng

RT: 9.017 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

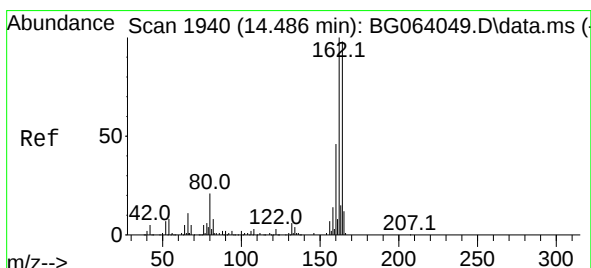
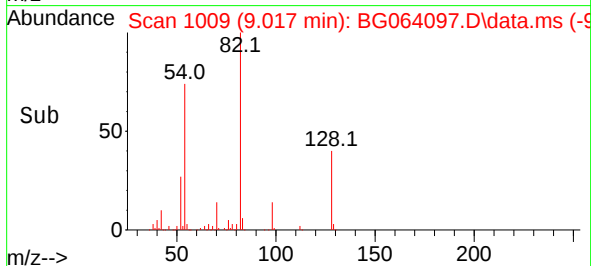
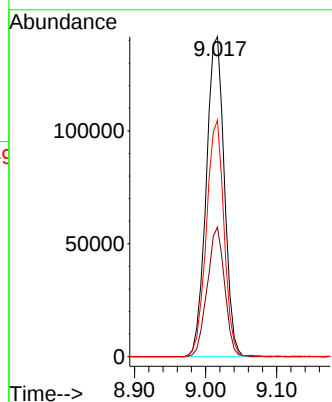
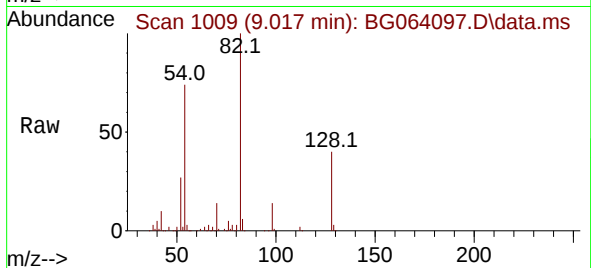
Tgt Ion: 82 Resp: 251285

Ion Ratio Lower Upper

82 100

128 40.5 30.0 45.0

54 73.9 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.487 min Scan# 1940

Delta R.T. 0.001 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

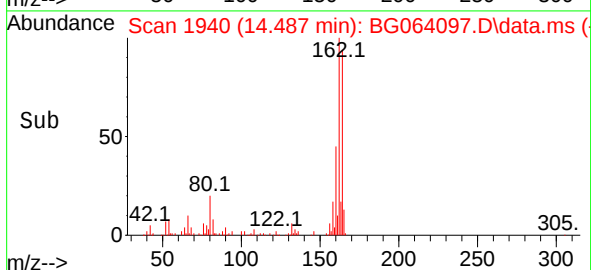
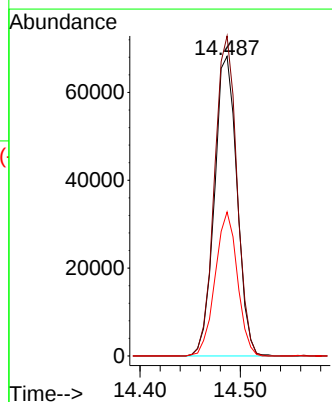
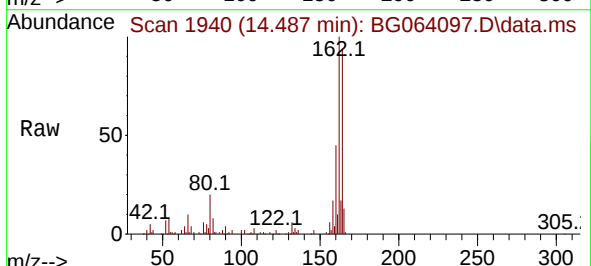
Tgt Ion:164 Resp: 106509

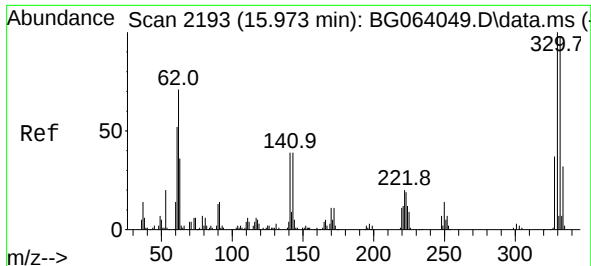
Ion Ratio Lower Upper

164 100

162 106.8 81.4 122.0

160 48.0 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 129.156 ng

RT: 15.973 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG064097.D

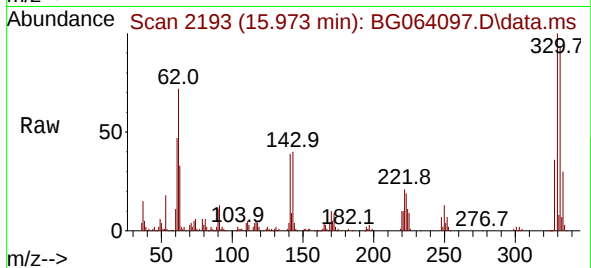
Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18



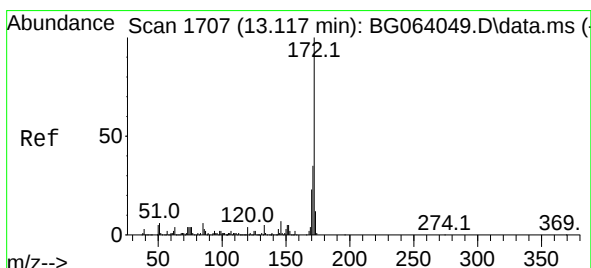
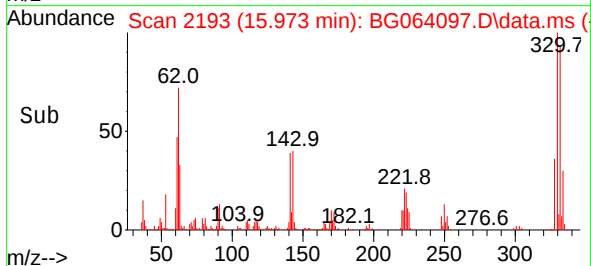
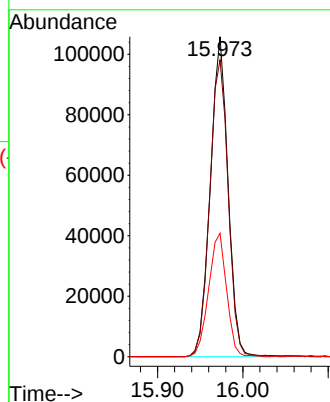
Tgt Ion:330 Resp: 152911

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

141 39.1 29.7 44.5



#45

2-Fluorobiphenyl

Concen: 71.661 ng

RT: 13.112 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

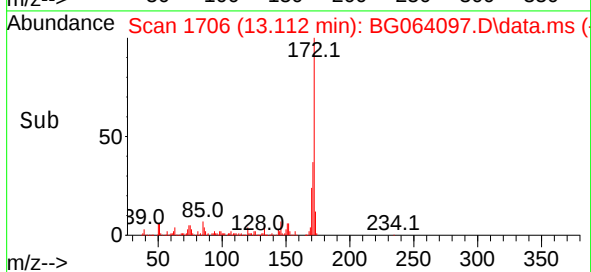
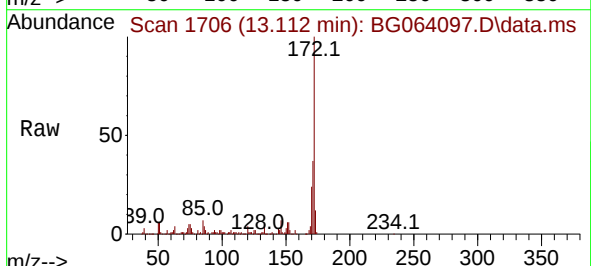
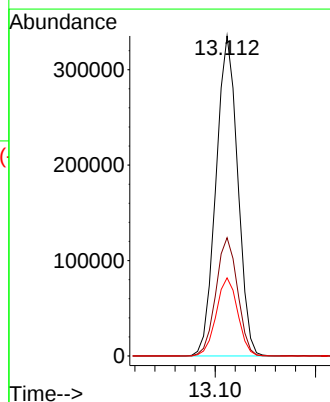
Tgt Ion:172 Resp: 502841

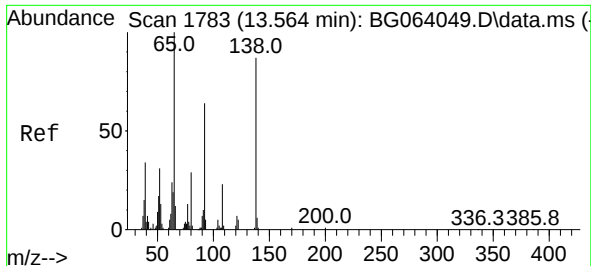
Ion Ratio Lower Upper

172 100

171 37.0 28.0 42.0

170 24.4 18.7 28.1





#48

2-Nitroaniline

Concen: 3.865 ng

RT: 13.106 min Scan# 1

Delta R.T. -0.458 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

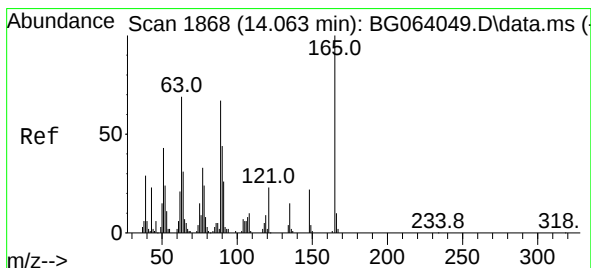
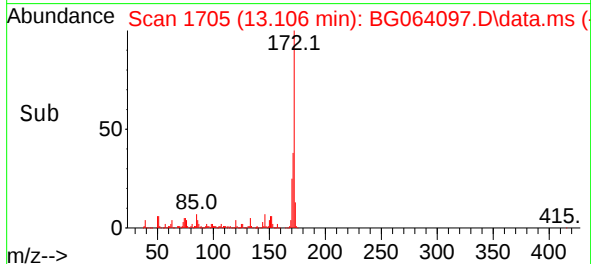
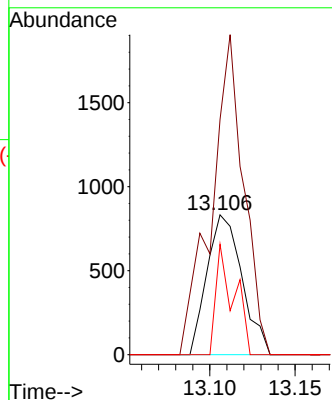
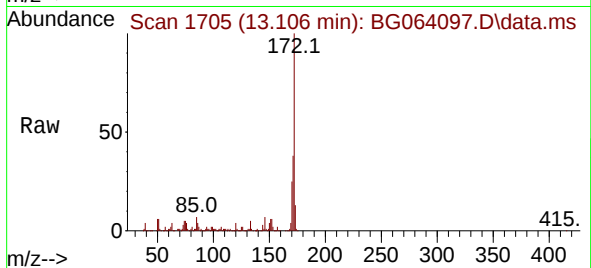
Tgt Ion: 65 Resp: 1185

Ion Ratio Lower Upper

65 100

92 168.1 51.2 76.8#

138 78.9 69.4 104.2



#51

2,6-Dinitrotoluene

Concen: 11.985 ng

RT: 14.487 min Scan# 1940

Delta R.T. 0.424 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

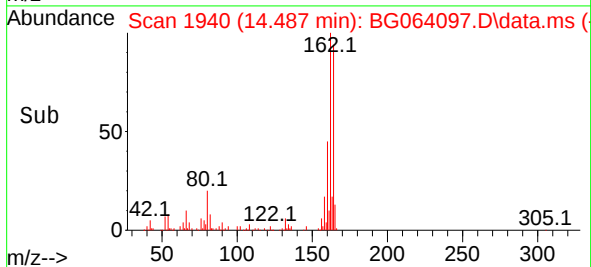
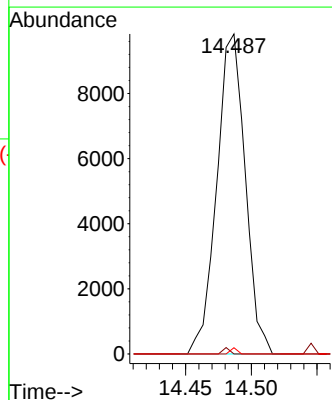
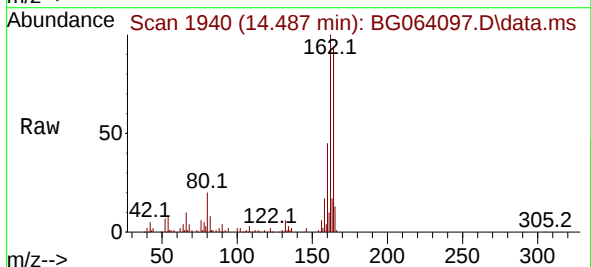
Tgt Ion:165 Resp: 14797

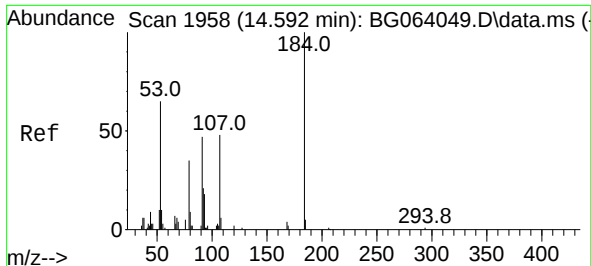
Ion Ratio Lower Upper

165 100

63 0.0 56.7 85.1#

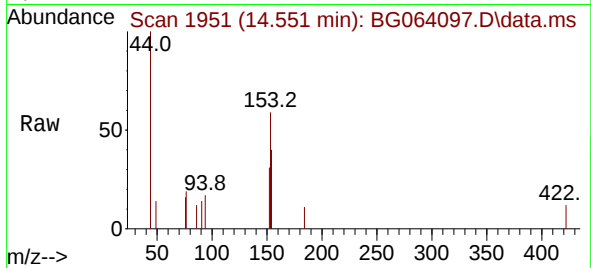
89 1.9 53.7 80.5#



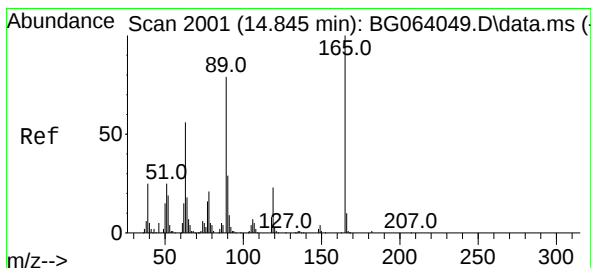
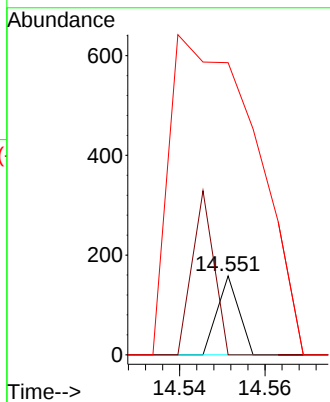
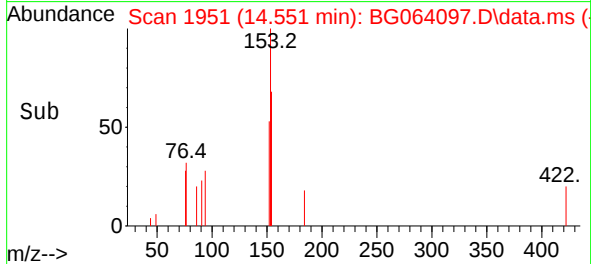


#54
2,4-Dinitrophenol
Concen: 7.958 ng
RT: 14.551 min Scan# 1951
Delta R.T. -0.041 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

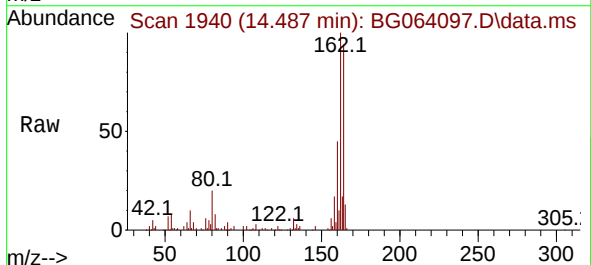
Instrument :
BNA_G
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OR-363-COMP-18



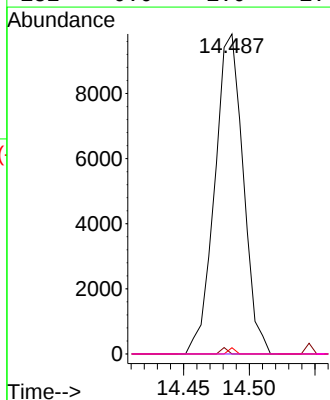
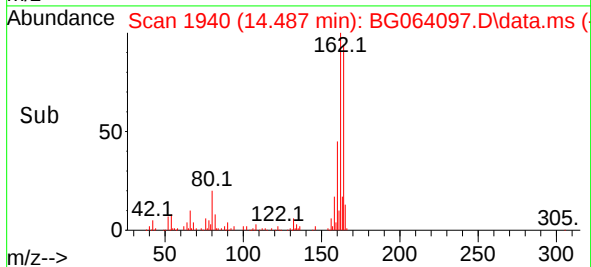
Tgt Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 0.0 57.5 86.3#
154 370.9 52.3 78.5#

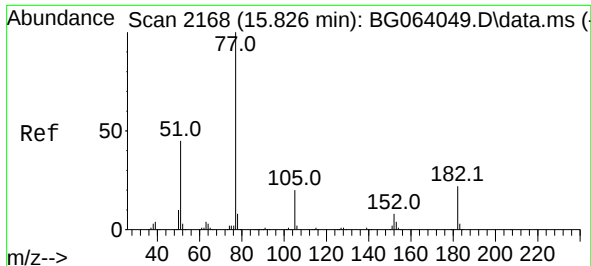


#57
2,4-Dinitrotoluene
Concen: 9.858 ng
RT: 14.487 min Scan# 1940
Delta R.T. -0.358 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56



Tgt Ion:165 Resp: 14797
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 1.9 63.1 94.7#
182 0.0 1.0 1.4#

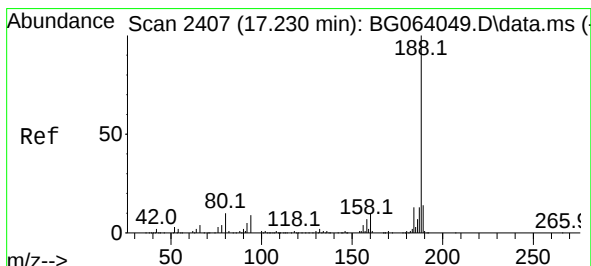
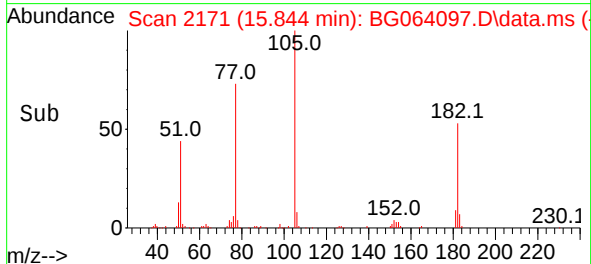
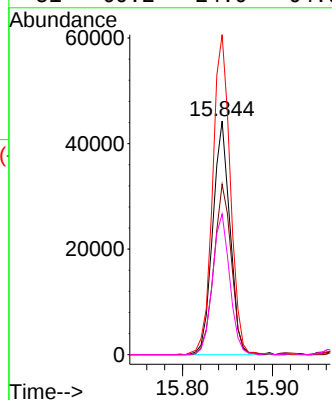
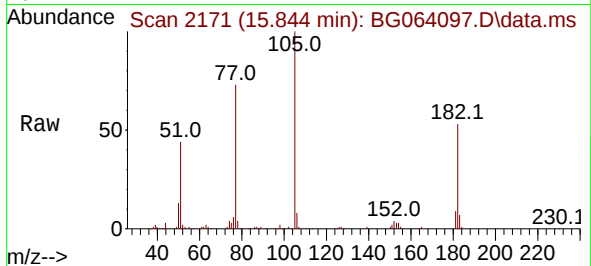




#63
 Azobenzene
 Concen: 6.484 ng
 RT: 15.844 min Scan# 2168
 Delta R.T. 0.018 min
 Lab File: BG064097.D
 Acq: 11 Mar 2025 15:56

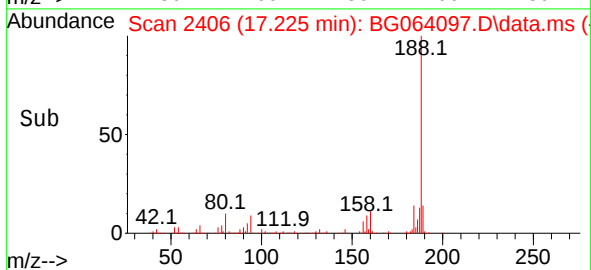
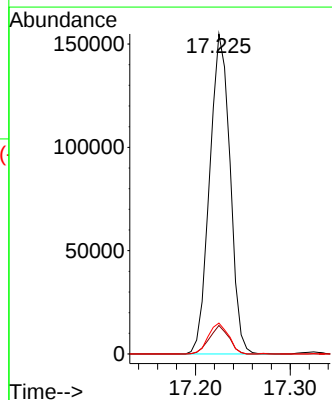
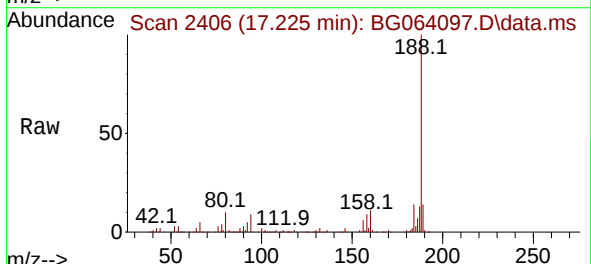
Instrument :
 BNA_G
 ClientSampleId :
 OR-363-COMP-18

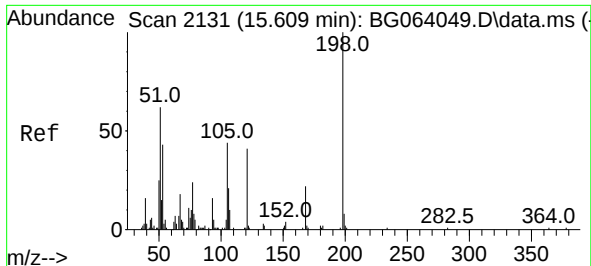
Tgt Ion: 77 Resp: 59057
 Ion Ratio Lower Upper
 77 100
 182 73.0 2.4 42.4#
 105 136.9 0.0 40.0#
 51 60.2 24.9 64.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.225 min Scan# 2406
 Delta R.T. -0.005 min
 Lab File: BG064097.D
 Acq: 11 Mar 2025 15:56

Tgt Ion: 188 Resp: 231530
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.9 10.3
 80 9.6 8.1 12.1

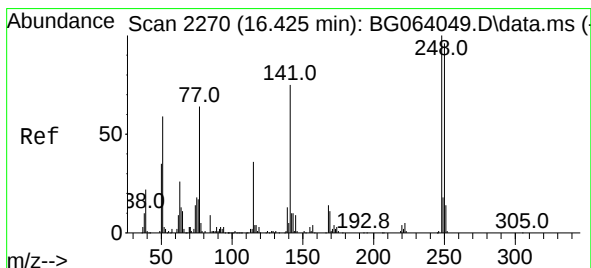
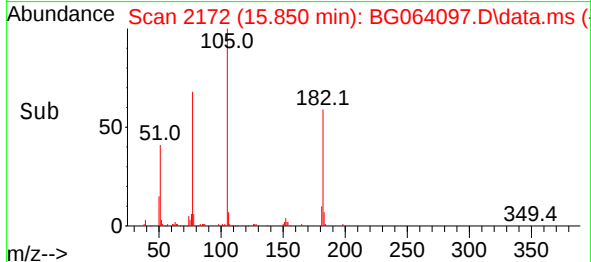
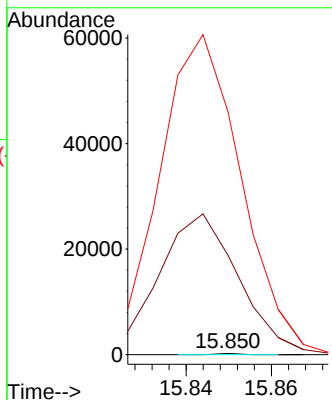
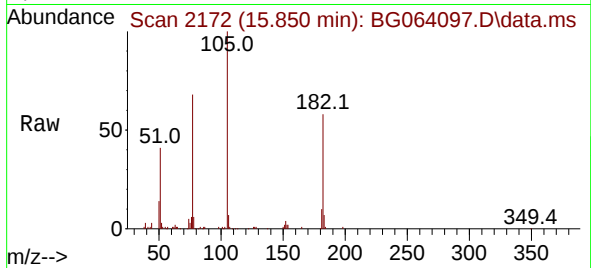




#65
4,6-Dinitro-2-methylphenol
Concen: 8.254 ng
RT: 15.850 min Scan# 2131
Delta R.T. 0.241 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

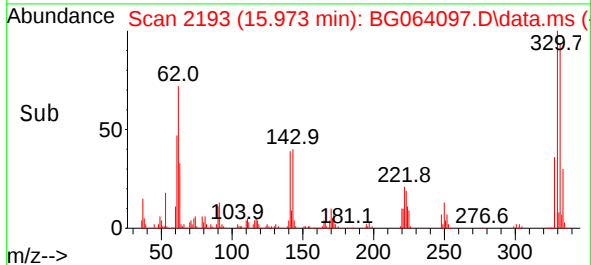
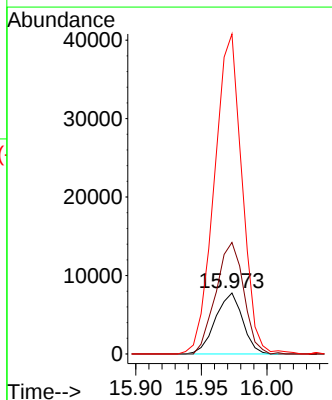
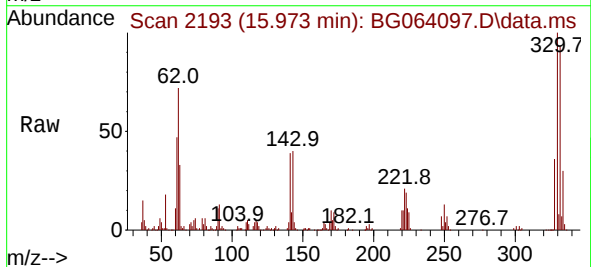
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

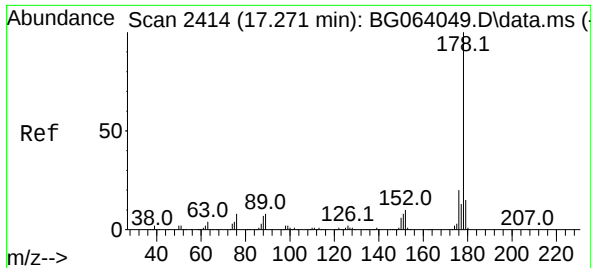
Tgt Ion:198 Resp: 91
Ion Ratio Lower Upper
198 100
51 7289.9 45.6 85.6#
105 17810.9 25.3 65.3#



#67
4-Bromophenyl-phenylether
Concen: 4.708 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.452 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:248 Resp: 11164
Ion Ratio Lower Upper
248 100
250 182.7 77.1 115.7#
141 524.5 59.8 89.8#

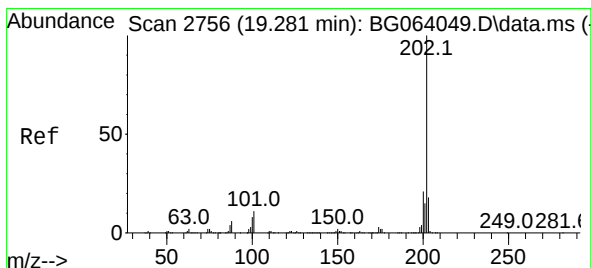
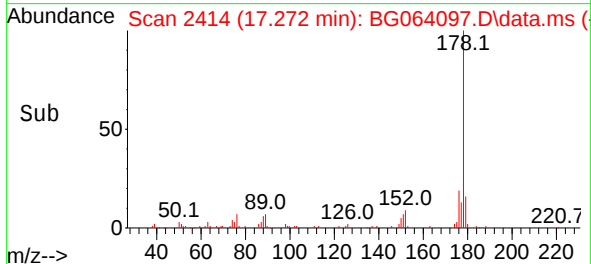
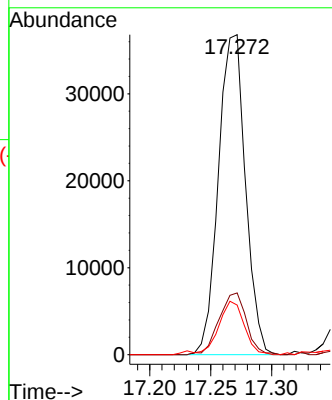
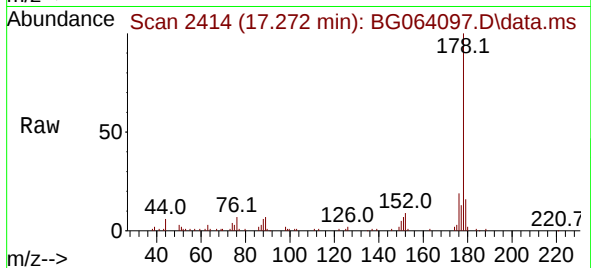




#71
Phenanthrene
Concen: 4.596 ng
RT: 17.272 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

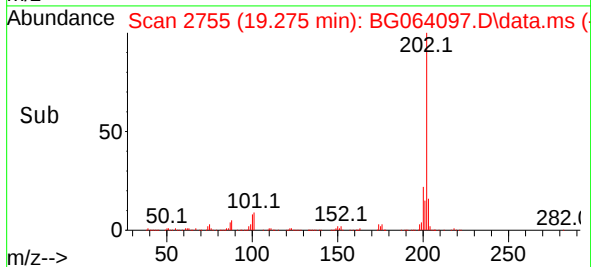
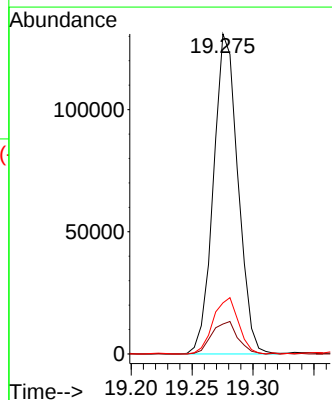
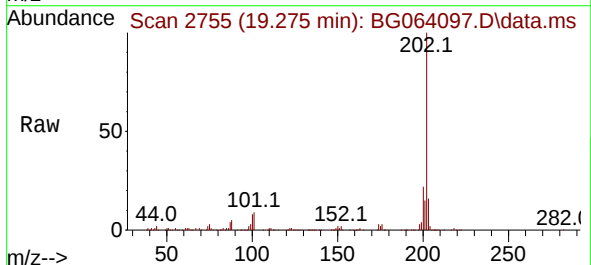
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

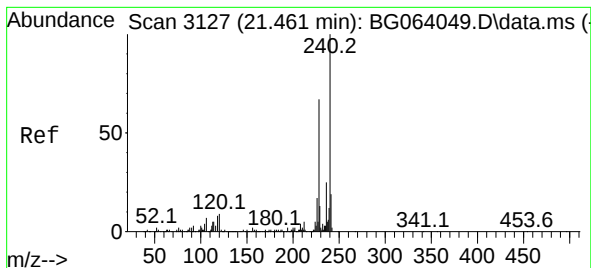
Tgt Ion:178 Resp: 56753
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.5 12.2 18.2



#75
Fluoranthene
Concen: 12.326 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:202 Resp: 183505
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 15.9 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.455 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

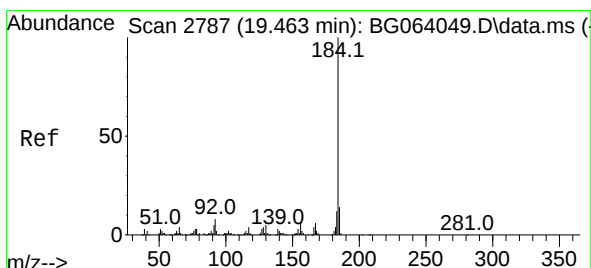
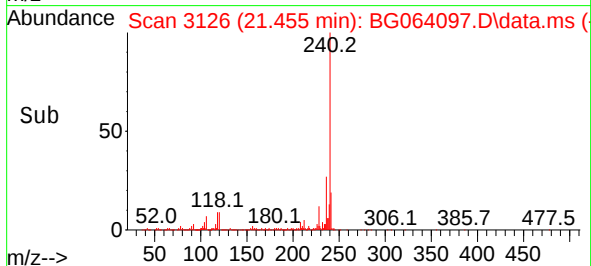
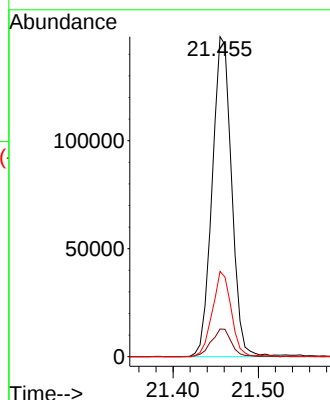
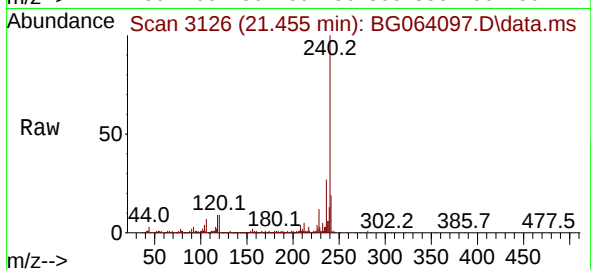
Tgt Ion:240 Resp: 234132

Ion Ratio Lower Upper

240 100

120 8.7 7.2 10.8

236 26.6 20.2 30.2



#77

Benzidine

Concen: 4.391 ng

RT: 19.845 min Scan# 2852

Delta R.T. 0.382 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

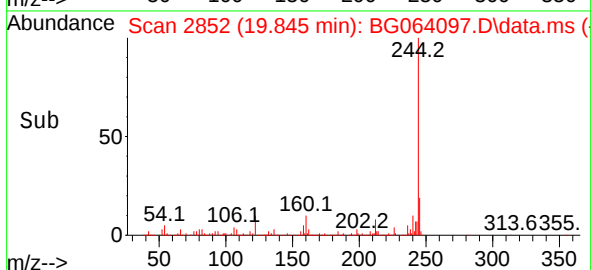
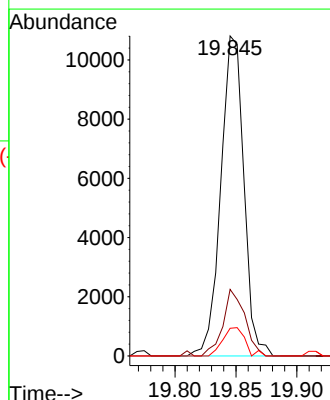
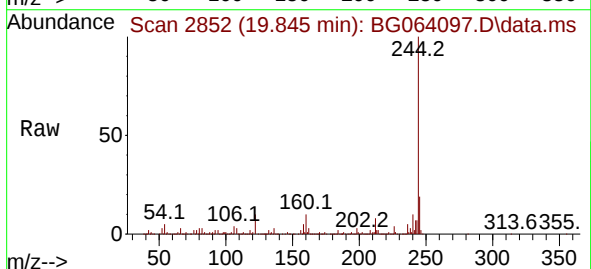
Tgt Ion:184 Resp: 14235

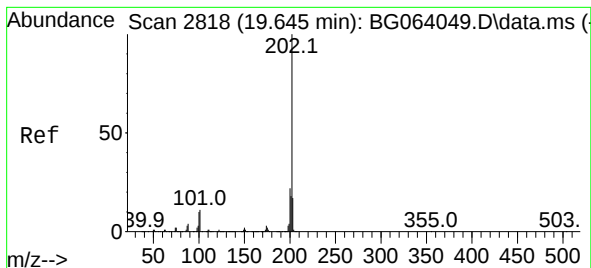
Ion Ratio Lower Upper

184 100

185 20.8 11.3 16.9#

183 8.6 9.5 14.3#





#78

Pyrene

Concen: 10.631 ng

RT: 19.640 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

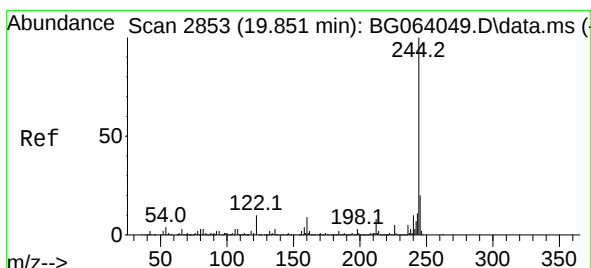
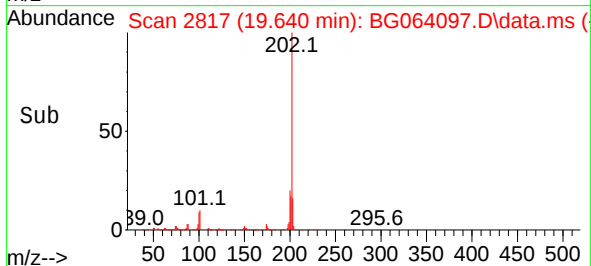
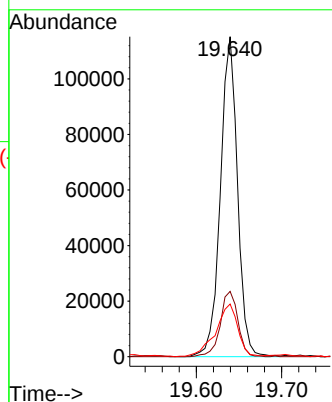
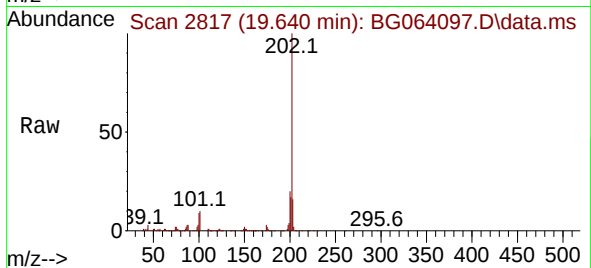
Tgt Ion:202 Resp: 160457

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 16.5 13.6 20.4



#79

Terphenyl-d14

Concen: 67.446 ng

RT: 19.845 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

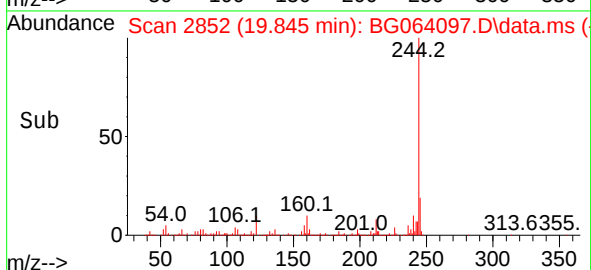
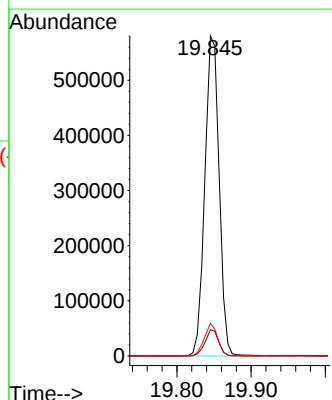
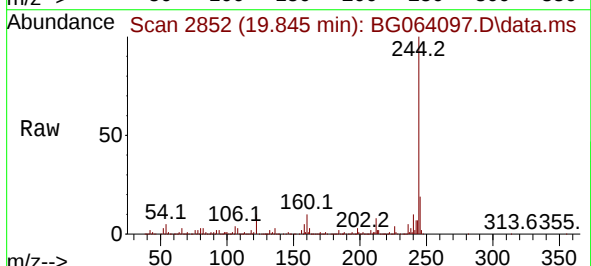
Tgt Ion:244 Resp: 780969

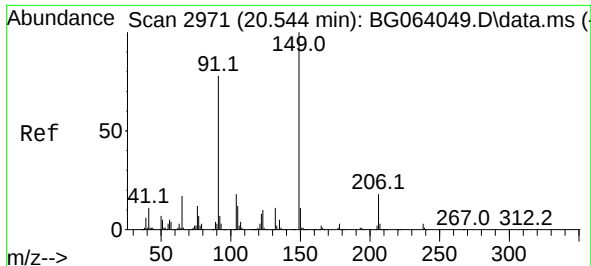
Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.4

122 10.2 8.0 12.0

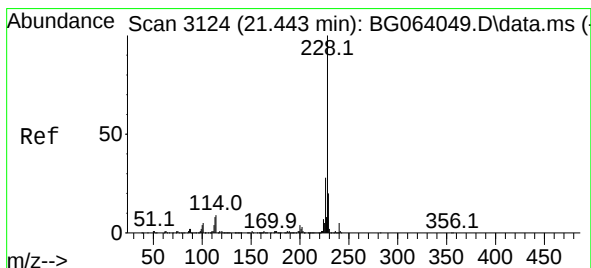
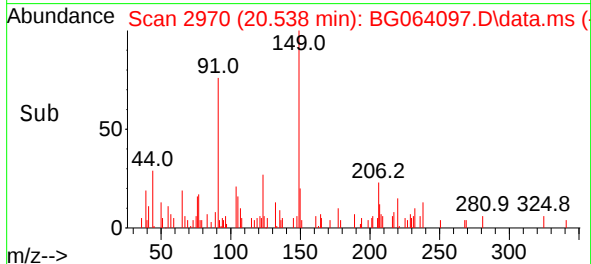
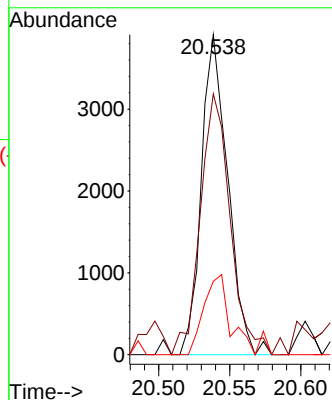
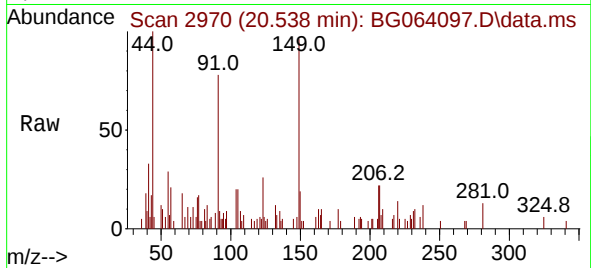




#80
Butylbenzylphthalate
Concen: 4.464 ng
RT: 20.538 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

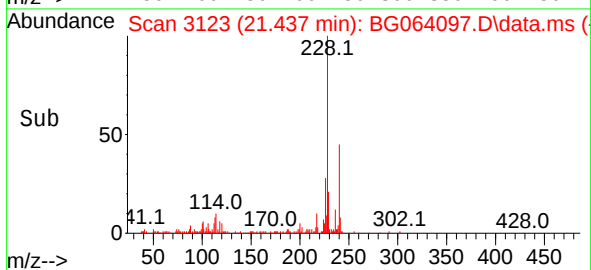
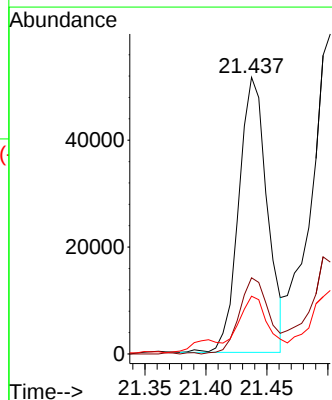
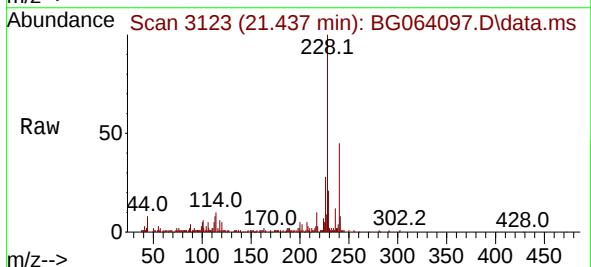
Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

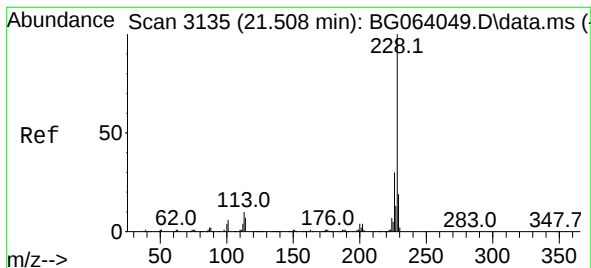
Tgt Ion:149 Resp: 5064
Ion Ratio Lower Upper
149 100
91 81.5 62.0 93.0
206 22.9 14.6 21.8#



#81
Benzo(a)anthracene
Concen: 5.583 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:228 Resp: 83734
Ion Ratio Lower Upper
228 100
226 27.5 22.2 33.2
229 20.9 16.4 24.6





#83

Chrysene

Concen: 6.764 ng

RT: 21.502 min Scan# 3134

Delta R.T. -0.006 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

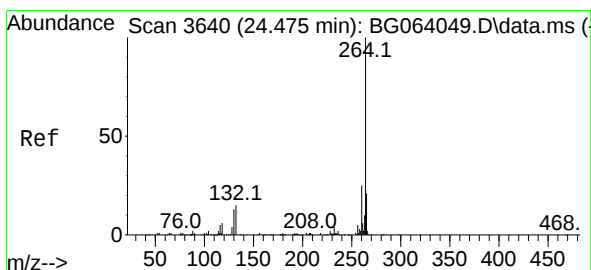
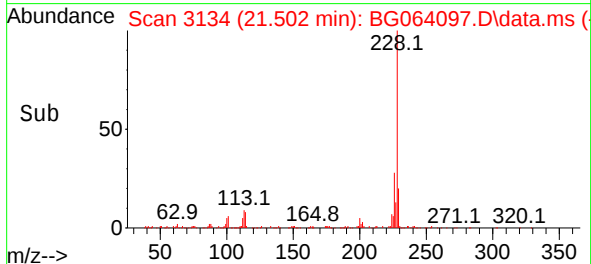
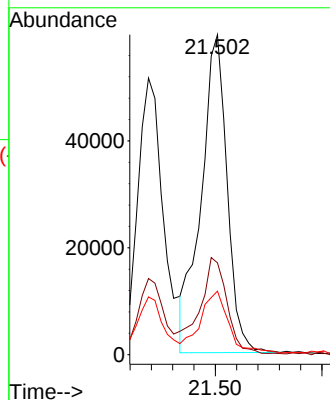
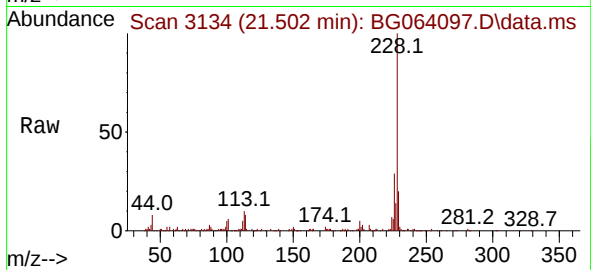
Tgt Ion:228 Resp: 101172

Ion Ratio Lower Upper

228 100

226 28.7 23.9 35.9

229 19.9 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.475 min Scan# 3640

Delta R.T. 0.000 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

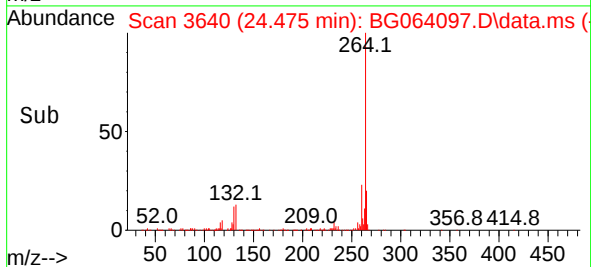
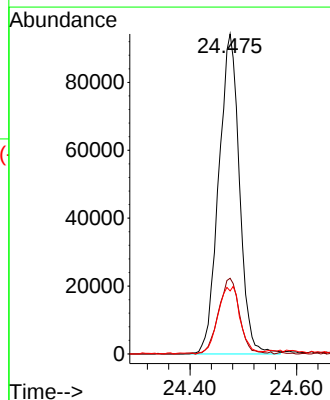
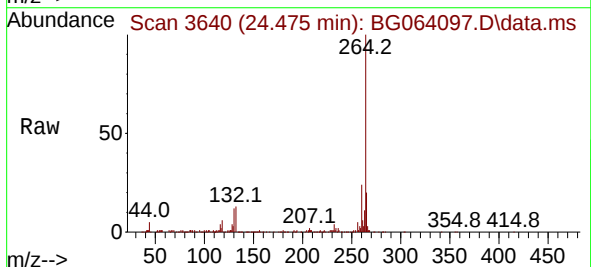
Tgt Ion:264 Resp: 254247

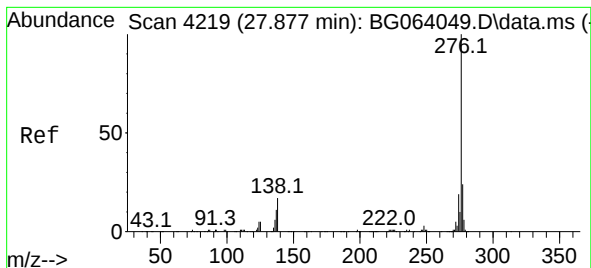
Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

265 19.7 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.944 ng

RT: 27.853 min Scan# 41

Delta R.T. -0.023 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

Instrument :

BNA_G

ClientSampleId :

OR-363-COMP-18

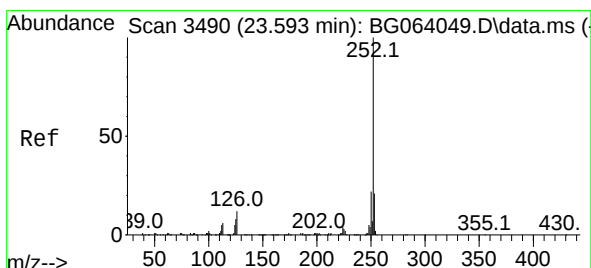
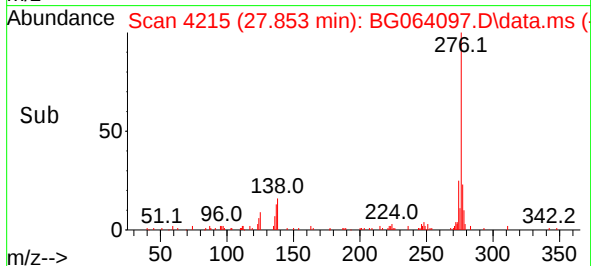
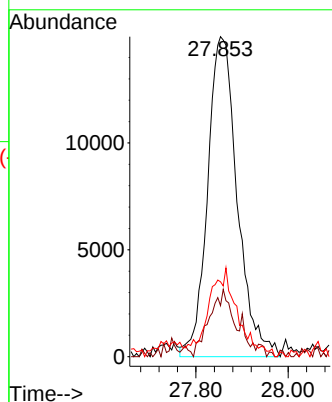
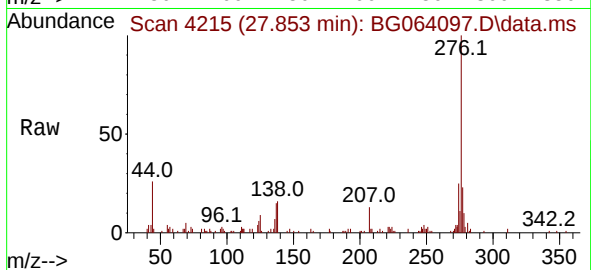
Tgt Ion:276 Resp: 67098

Ion Ratio Lower Upper

276 100

138 16.2 12.1 18.1

277 27.2 20.0 30.0



#89

Benzo(k)fluoranthene

Concen: 8.852 ng

RT: 23.529 min Scan# 3479

Delta R.T. -0.064 min

Lab File: BG064097.D

Acq: 11 Mar 2025 15:56

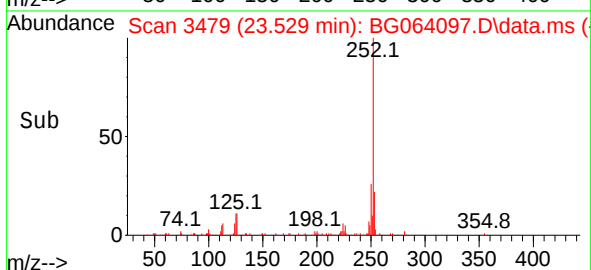
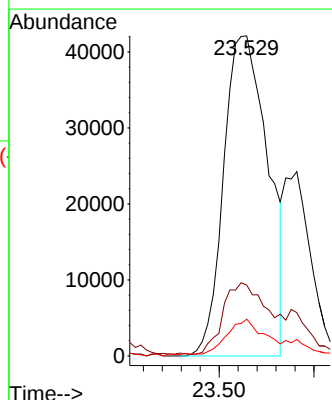
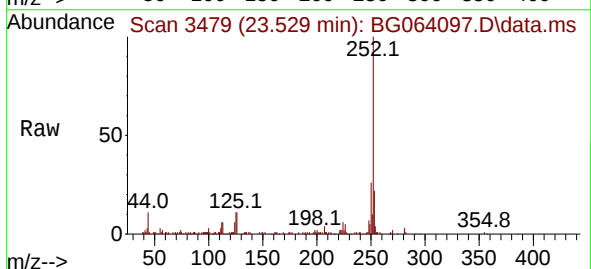
Tgt Ion:252 Resp: 136487

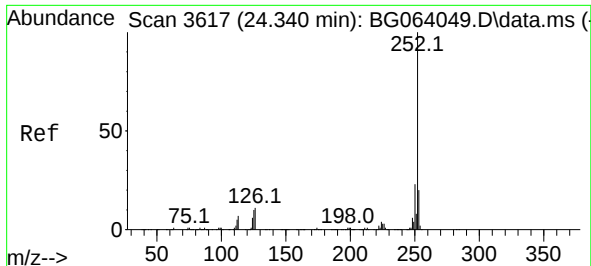
Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

125 11.5 6.9 10.3#

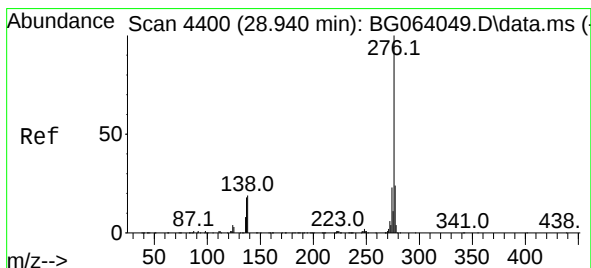
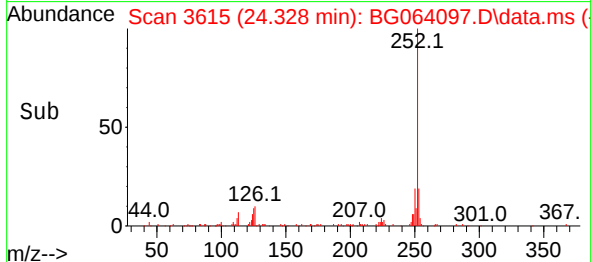
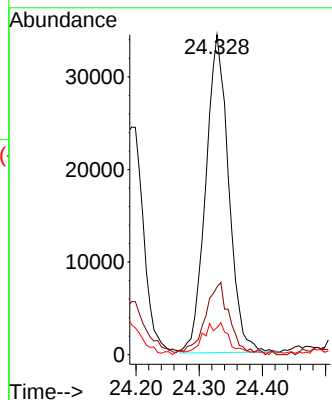
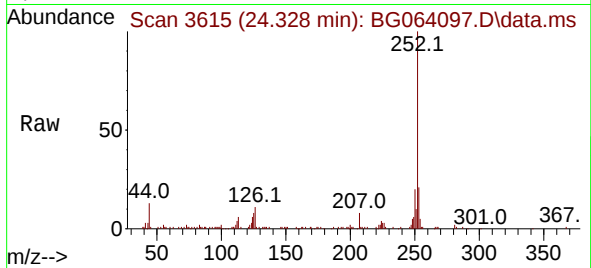




#90
Benzo(a)pyrene
Concen: 6.315 ng
RT: 24.328 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Instrument :
BNA_G
ClientSampleId :
OR-363-COMP-18

Tgt Ion:252 Resp: 86441
Ion Ratio Lower Upper
252 100
253 21.2 16.2 24.2
125 8.5 7.8 11.6



#92
Benzo(g,h,i)perylene
Concen: 4.388 ng
RT: 28.911 min Scan# 4395
Delta R.T. -0.029 min
Lab File: BG064097.D
Acq: 11 Mar 2025 15:56

Tgt Ion:276 Resp: 63539
Ion Ratio Lower Upper
276 100
277 22.8 19.5 29.3
138 15.1 15.4 23.0#

