

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
 Data File : BG064171.D
 Acq On : 3 Apr 2025 17:56
 Operator : RC/JU
 Sample : PB167393BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 01:44:57 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)

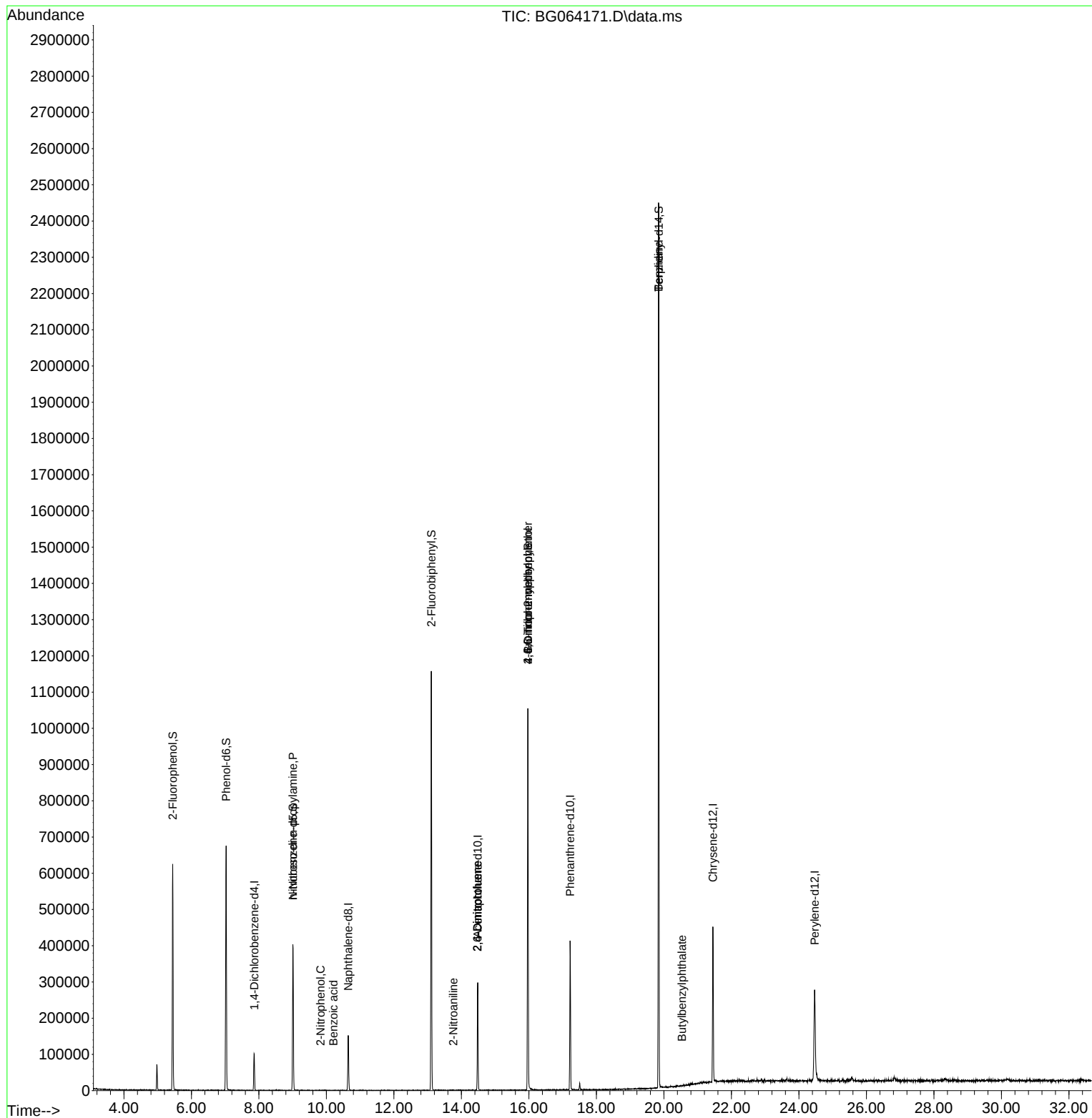
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	25692	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	118561	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	97336	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	234504	20.000	ng	0.00
76) Chrysene-d12	21.451	240	246421	20.000	ng	0.00
86) Perylene-d12	24.466	264	258720	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.447	112	226578	137.704	ng	0.00
7) Phenol-d6	7.027	99	311166	139.014	ng	0.00
23) Nitrobenzene-d5	9.007	82	211883	98.760	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	177238	163.812	ng	0.00
45) 2-Fluorobiphenyl	13.108	172	549402	85.675	ng	0.00
79) Terphenyl-d14	19.847	244	1118423	91.772	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.007	70	29291	18.646	ng	# 69
26) 2-Nitrophenol	9.824	139	63	3.373	ng	# 26
32) Benzoic acid	10.212	122	54	8.727	ng	# 1
48) 2-Nitroaniline	13.760	65	81	3.262	ng	# 11
51) 2,6-Dinitrotoluene	14.477	165	13229	11.798	ng	# 19
57) 2,4-Dinitrotoluene	14.477	165	13229	9.723	ng	# 20
65) 4,6-Dinitro-2-methylph...	15.970	198	682	8.737	ng	# 1
67) 4-Bromophenyl-phenylether	15.970	248	12234	5.094	ng	# 1
77) Benzidine	19.842	184	22558	6.611	ng	# 97
80) Butylbenzylphthalate	20.535	149	56	3.646	ng	# 20

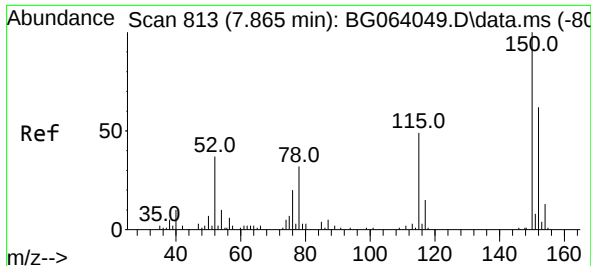
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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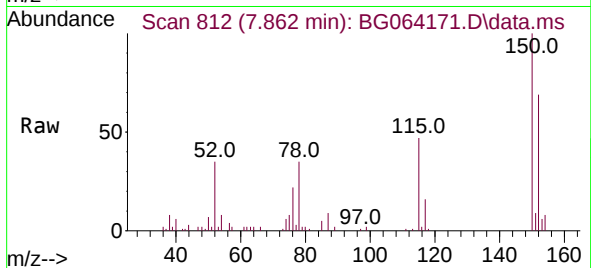
Quant Time: Apr 04 01:44:57 2025
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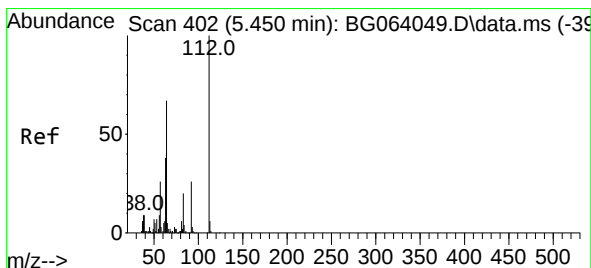
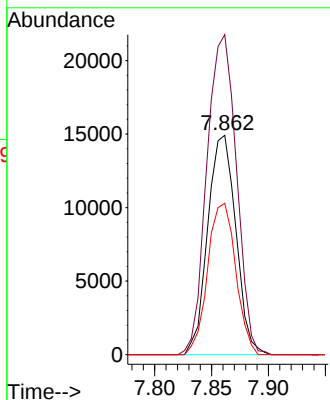
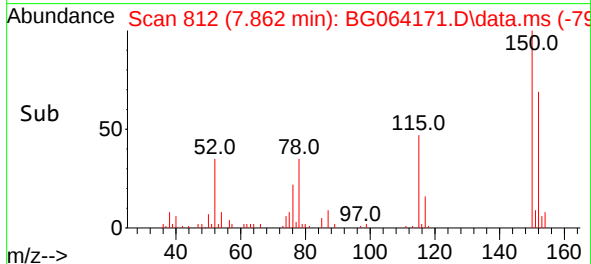


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 813
Delta R.T. -0.003 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Instrument :
BNA_G
ClientSampleId :

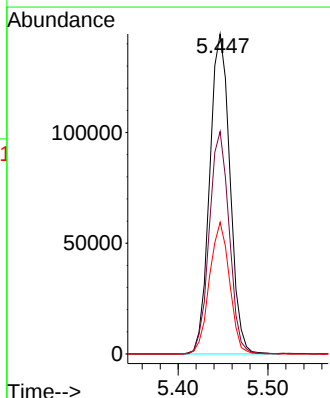
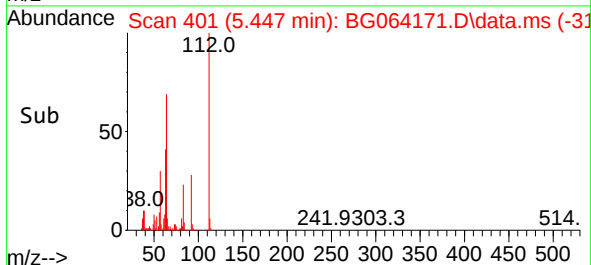
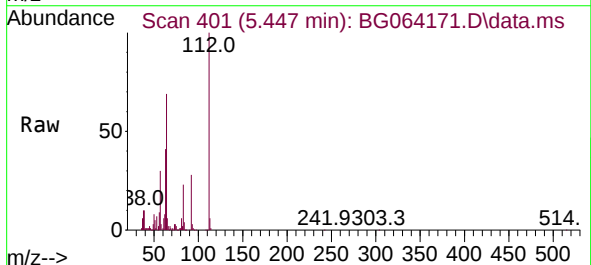


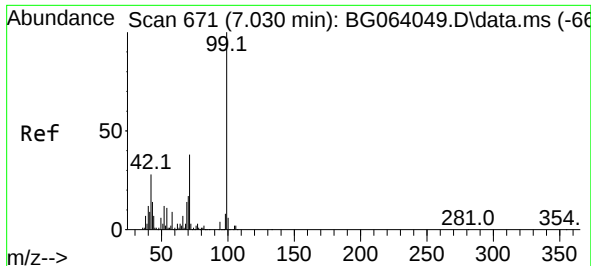
Tgt Ion:152 Resp: 25692
Ion Ratio Lower Upper
152 100
150 145.9 129.2 193.8
115 69.0 63.0 94.6



#5
2-Fluorophenol
Concen: 137.704 ng
RT: 5.447 min Scan# 401
Delta R.T. -0.003 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:112 Resp: 226578
Ion Ratio Lower Upper
112 100
64 69.5 53.7 80.5
63 41.1 30.2 45.4

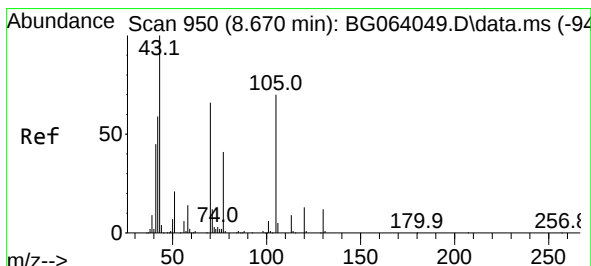
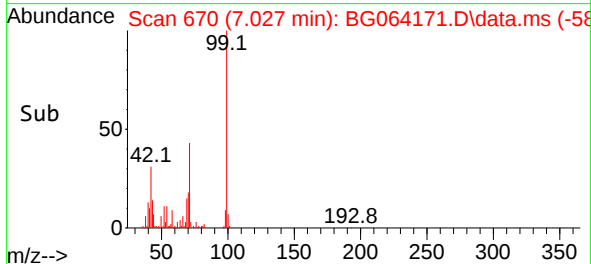
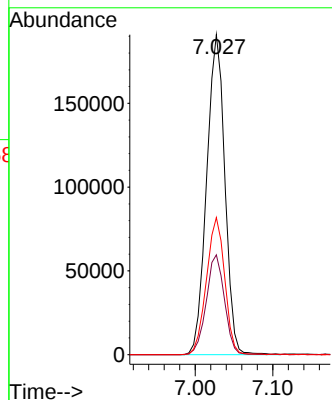
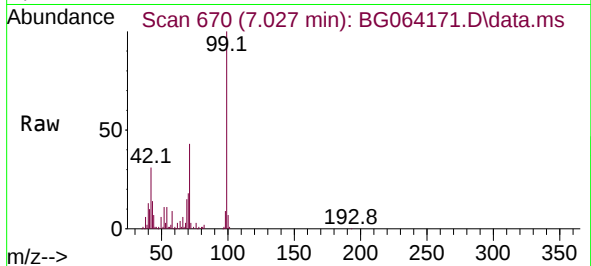




#7
Phenol-d6
Concen: 139.014 ng
RT: 7.027 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

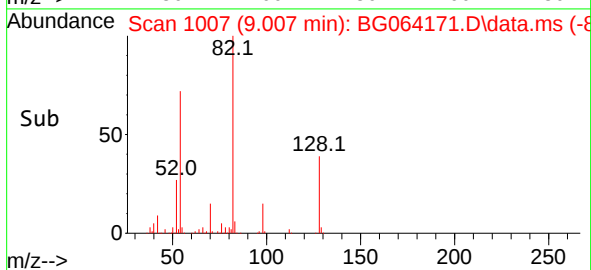
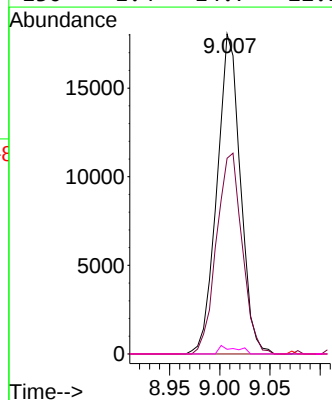
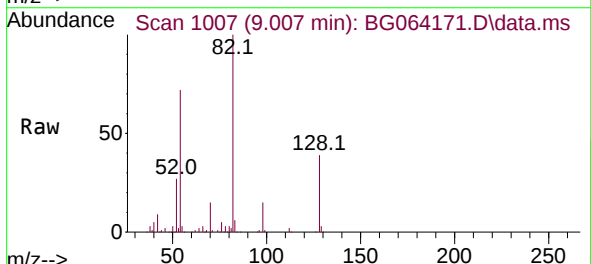
Instrument :
BNA_G
ClientSampleId :

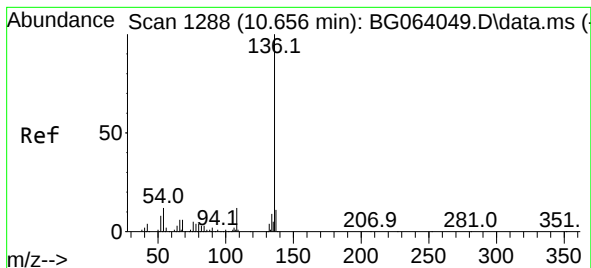
Tgt Ion: 99 Resp: 311166
Ion Ratio Lower Upper
99 100
42 31.2 22.7 34.1
71 42.8 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.646 ng
RT: 9.007 min Scan# 1007
Delta R.T. 0.338 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion: 70 Resp: 29291
Ion Ratio Lower Upper
70 100
42 61.2 72.1 108.1#
101 0.0 7.2 10.8#
130 1.4 14.7 22.1#

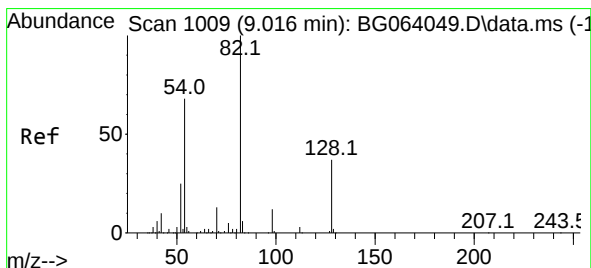
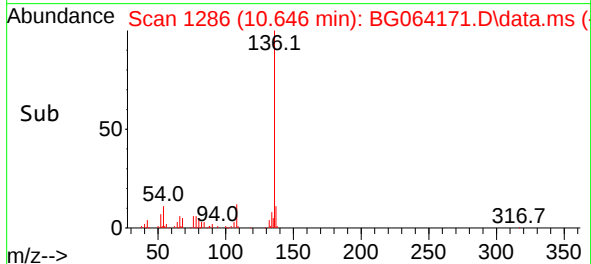
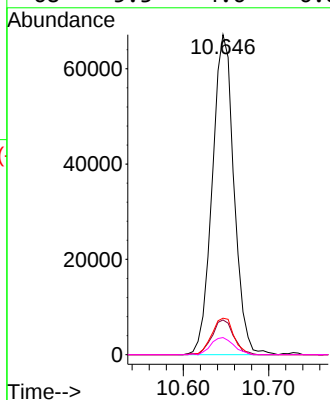
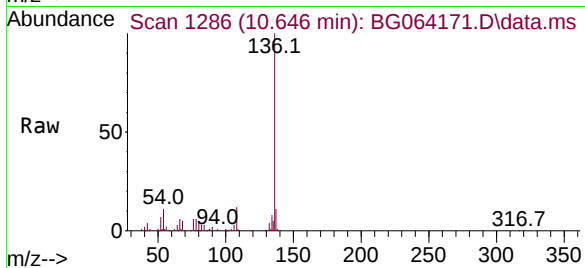




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

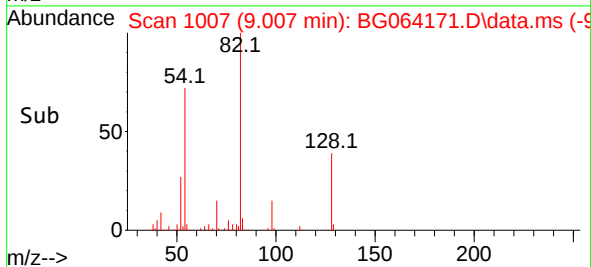
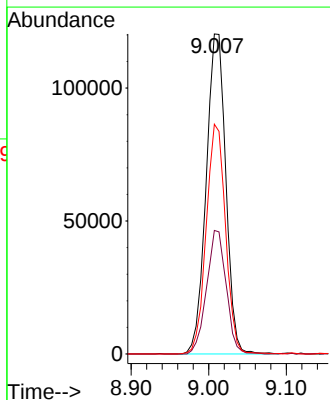
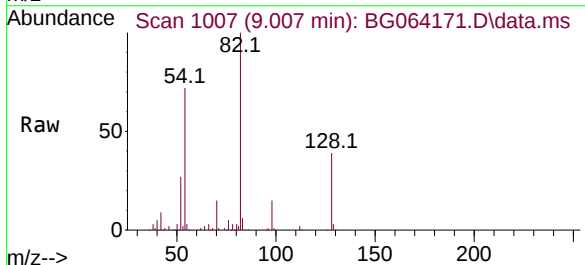
Instrument :
BNA_G
ClientSampleId :

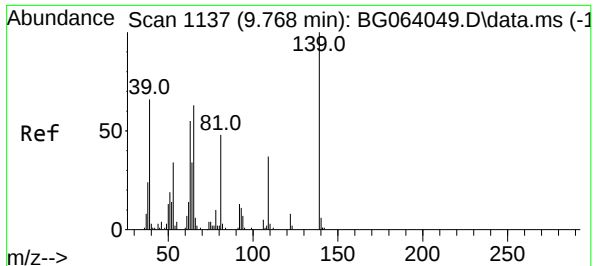
Tgt Ion:136 Resp: 118561
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.4 9.9 14.9
68 5.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 98.760 ng
RT: 9.007 min Scan# 1007
Delta R.T. -0.009 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion: 82 Resp: 211883
Ion Ratio Lower Upper
82 100
128 38.6 30.0 45.0
54 71.8 54.7 82.1

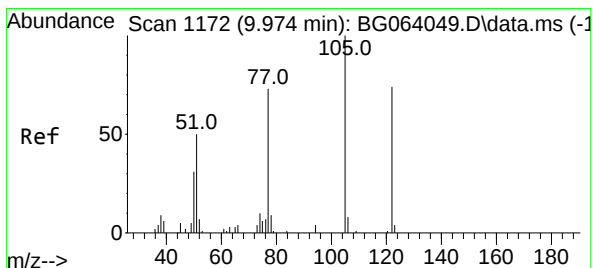
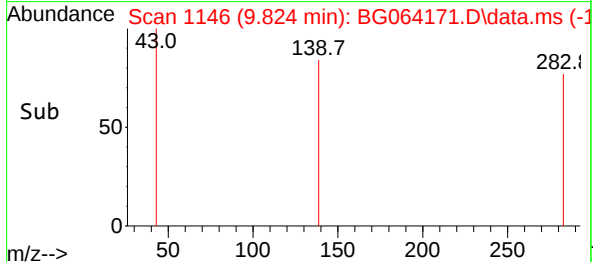
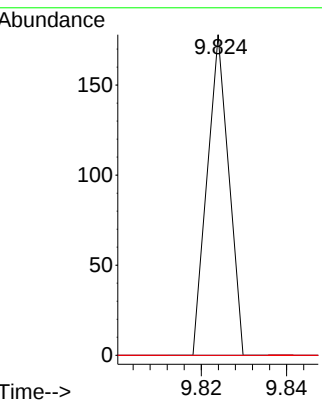
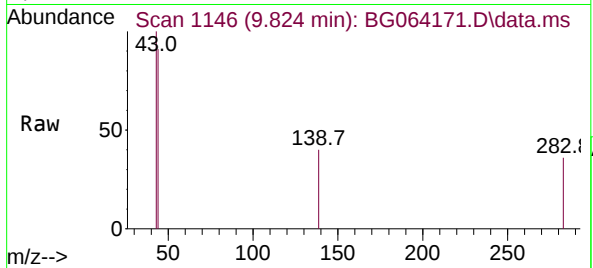




#26
2-Nitrophenol
Concen: 3.373 ng
RT: 9.824 min Scan# 1137
Delta R.T. 0.056 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

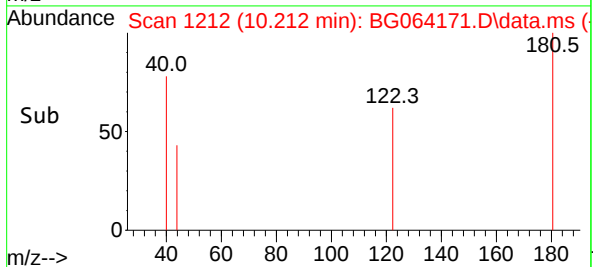
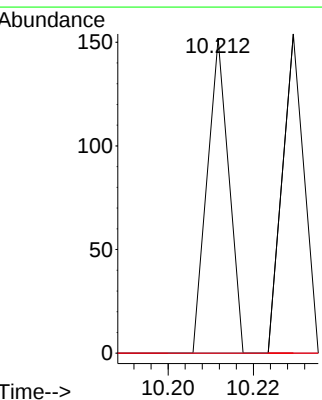
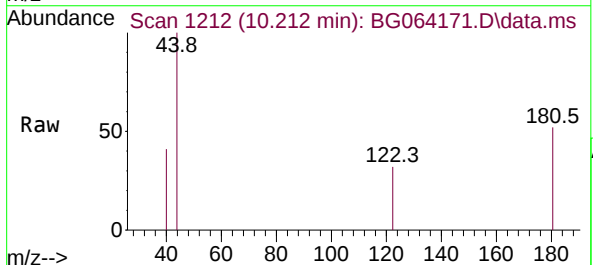
Instrument :
BNA_G
ClientSampleId :

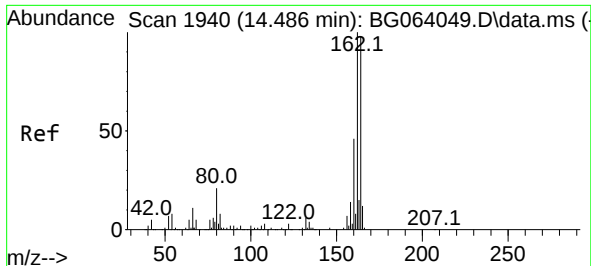
Tgt Ion:139 Resp: 63
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.727 ng
RT: 10.212 min Scan# 1212
Delta R.T. 0.238 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 0.0 80.9 120.9#

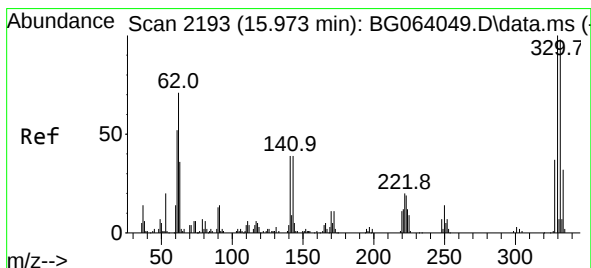
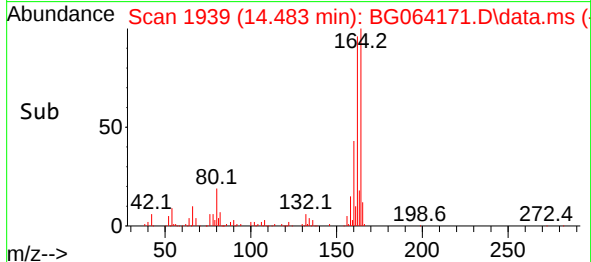
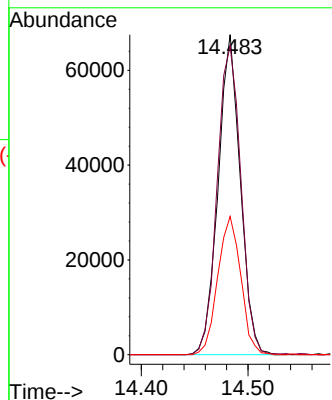
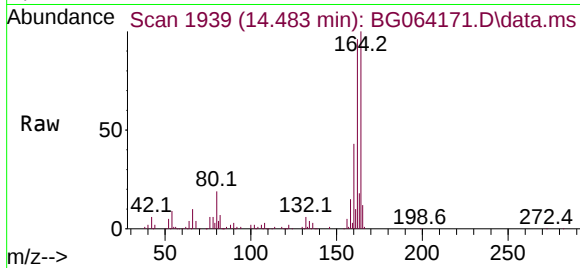




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

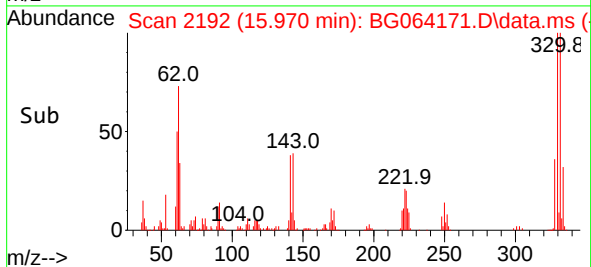
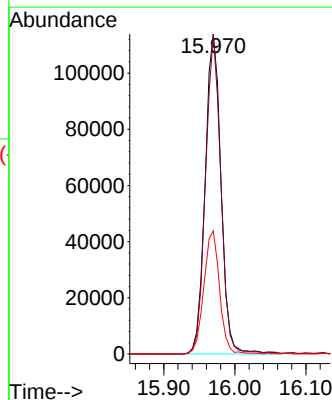
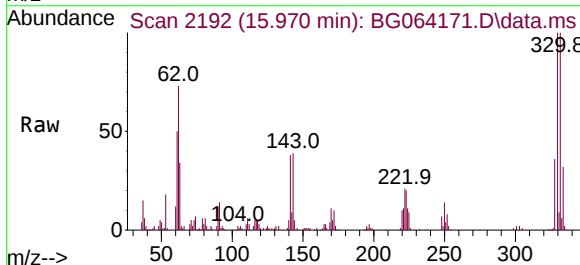
Instrument :
BNA_G
ClientSampleId :

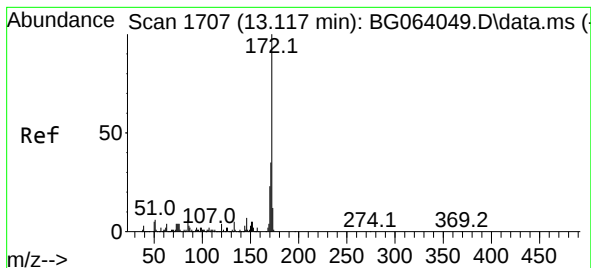
Tgt Ion:164 Resp: 97336
Ion Ratio Lower Upper
164 100
162 96.4 81.4 122.0
160 43.2 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 163.812 ng
RT: 15.970 min Scan# 2192
Delta R.T. -0.003 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:330 Resp: 177238
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 38.2 29.7 44.5

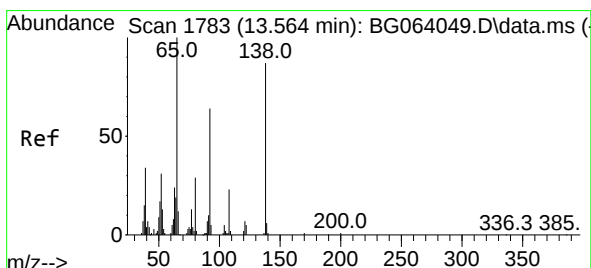
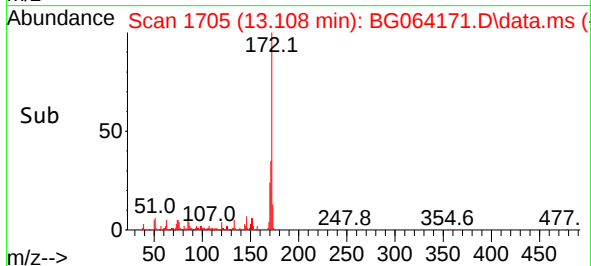
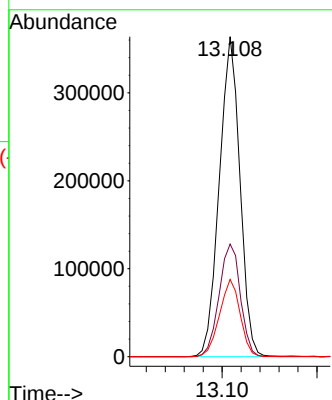
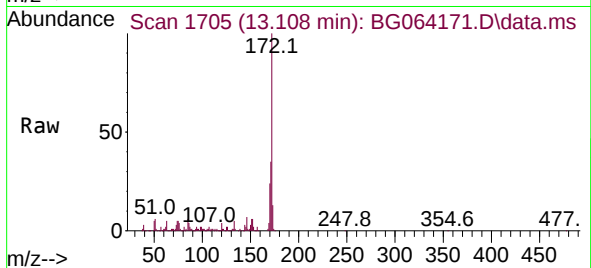




#45
2-Fluorobiphenyl
Concen: 85.675 ng
RT: 13.108 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

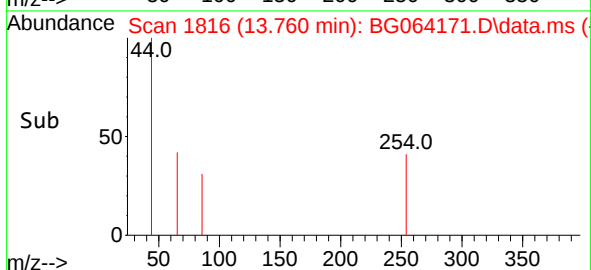
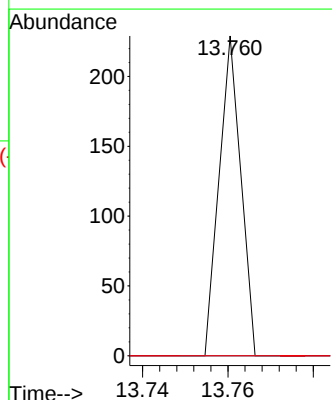
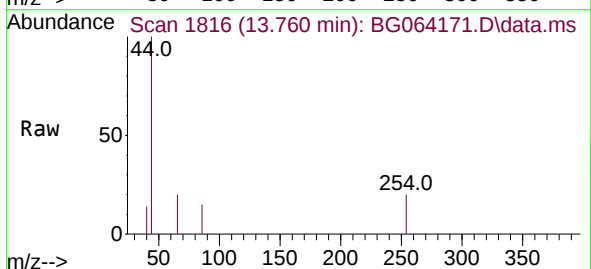
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BNA_G
ClientSampleId :

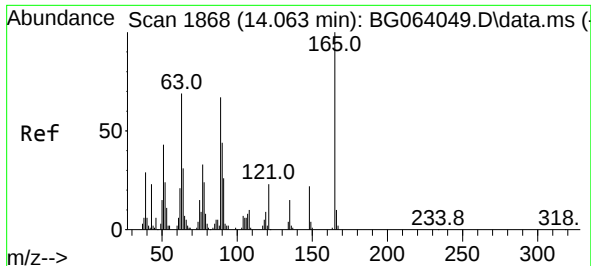
Tgt Ion:172 Resp: 549402
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 24.2 18.7 28.1



#48
2-Nitroaniline
Concen: 3.262 ng
RT: 13.760 min Scan# 1816
Delta R.T. 0.196 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion: 65 Resp: 81
Ion Ratio Lower Upper
65 100
92 0.0 51.2 76.8#
138 0.0 69.4 104.2#

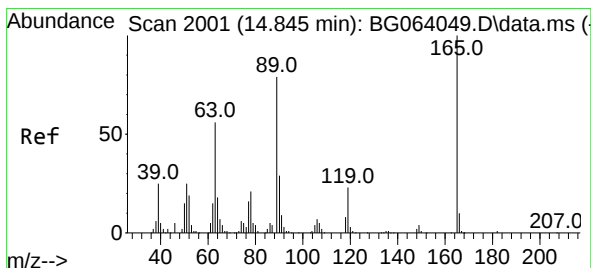
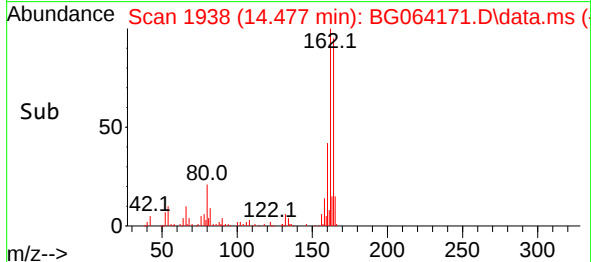
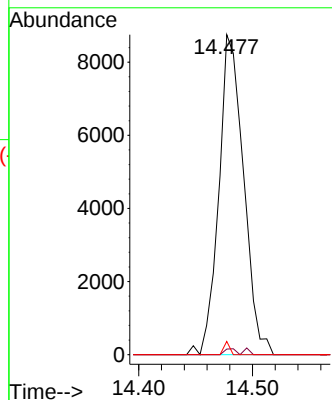
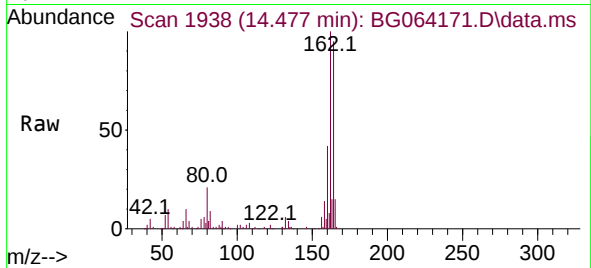




#51
2,6-Dinitrotoluene
Concen: 11.798 ng
RT: 14.477 min Scan# 1938
Delta R.T. 0.414 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

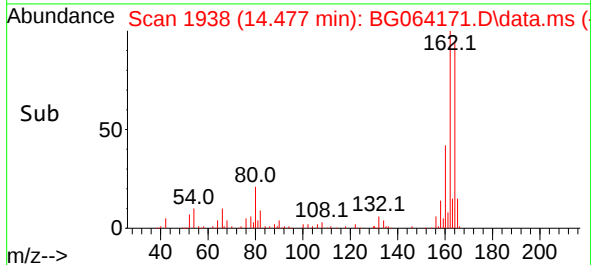
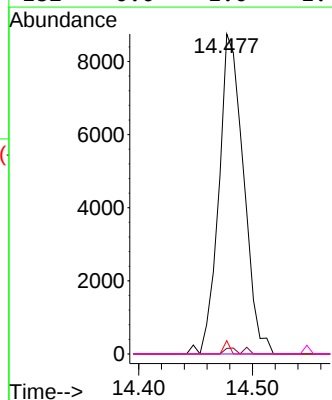
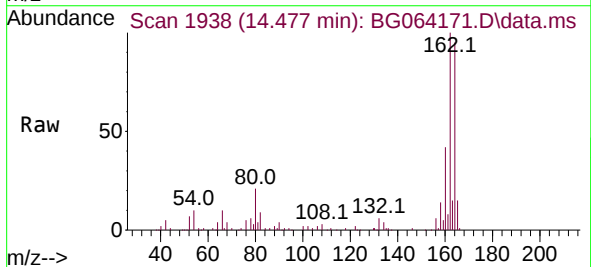
Instrument :
BNA_G
ClientSampleId :

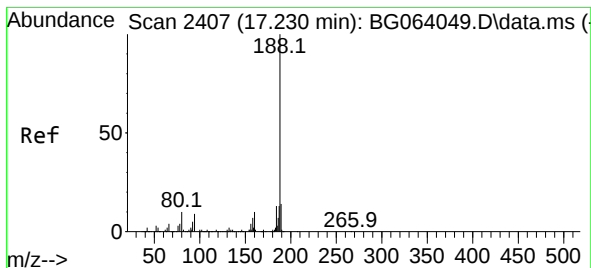
Tgt Ion:165 Resp: 13229
Ion Ratio Lower Upper
165 100
63 1.7 56.7 85.1#
89 4.1 53.7 80.5#



#57
2,4-Dinitrotoluene
Concen: 9.723 ng
RT: 14.477 min Scan# 1938
Delta R.T. -0.368 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:165 Resp: 13229
Ion Ratio Lower Upper
165 100
63 1.7 45.0 67.6#
89 4.1 63.1 94.7#
182 0.0 1.0 1.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064171.D

Acq: 3 Apr 2025 17:56

Instrument :

BNA_G

ClientSampleId :

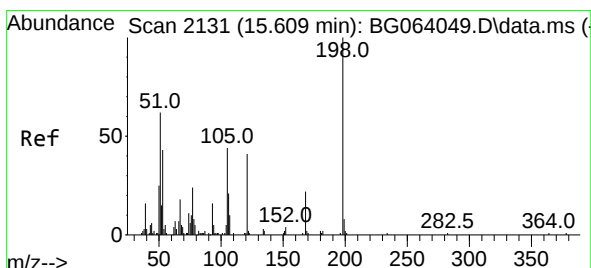
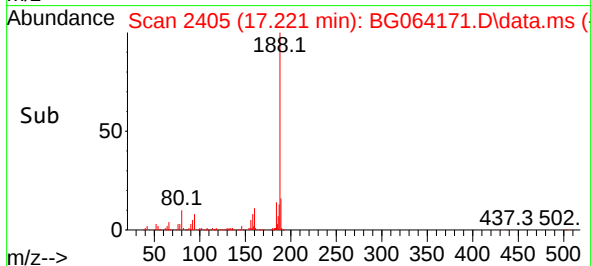
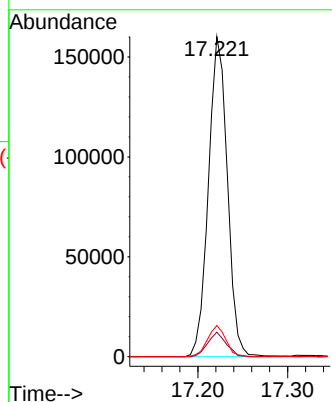
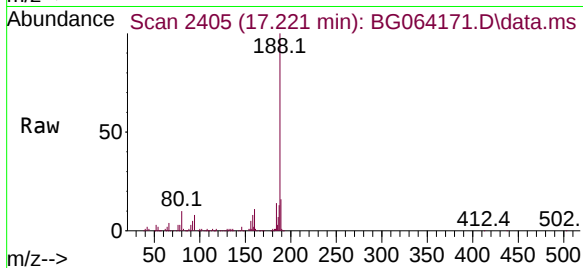
Tgt Ion:188 Resp: 234504

Ion Ratio Lower Upper

188 100

94 7.7 6.9 10.3

80 9.7 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 8.737 ng

RT: 15.970 min Scan# 2192

Delta R.T. 0.361 min

Lab File: BG064171.D

Acq: 3 Apr 2025 17:56

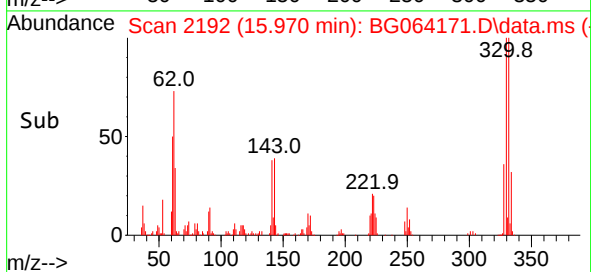
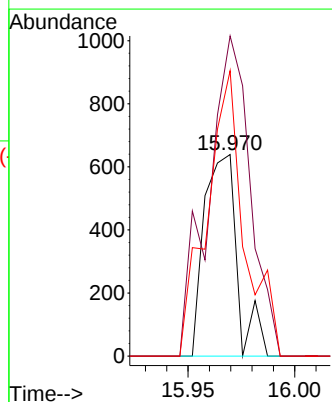
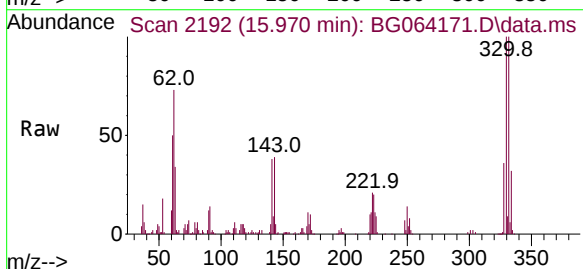
Tgt Ion:198 Resp: 682

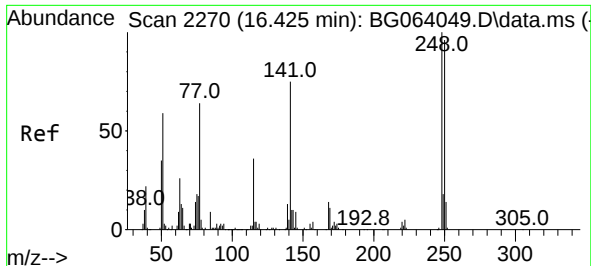
Ion Ratio Lower Upper

198 100

51 158.8 45.6 85.6#

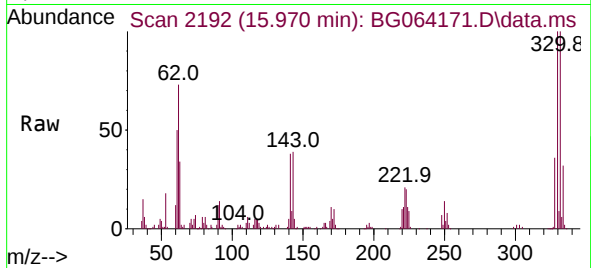
105 141.6 25.3 65.3#



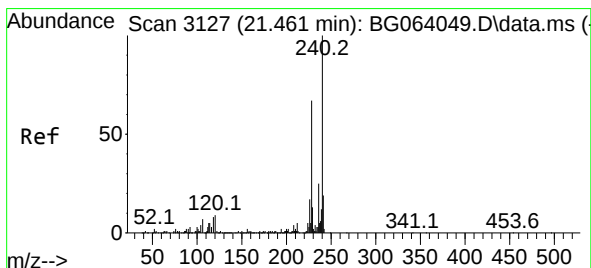
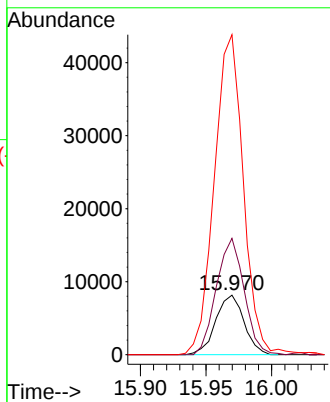
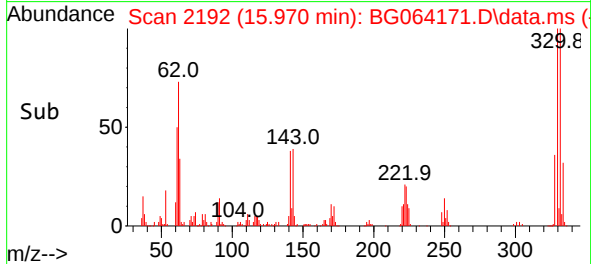


#67
4-Bromophenyl-phenylether
Concen: 5.094 ng
RT: 15.970 min Scan# 2192
Delta R.T. -0.456 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Instrument :
BNA_G
ClientSampleId :

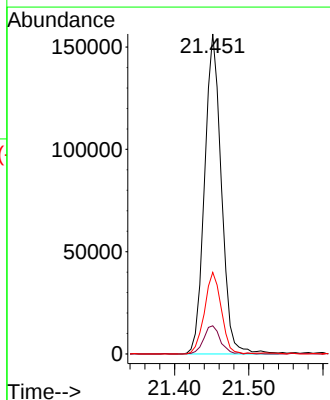
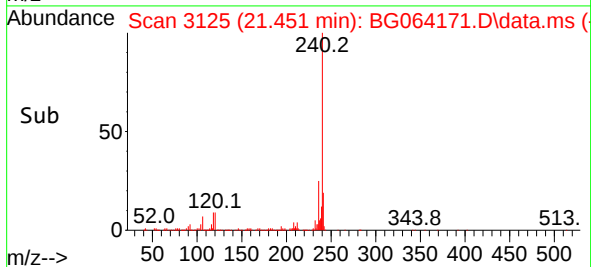
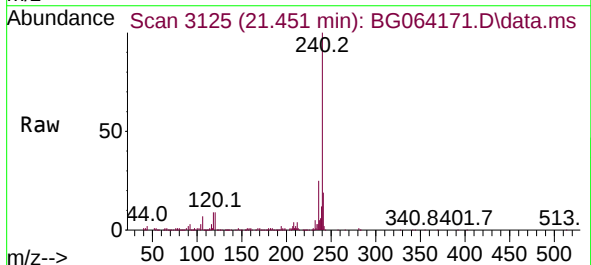


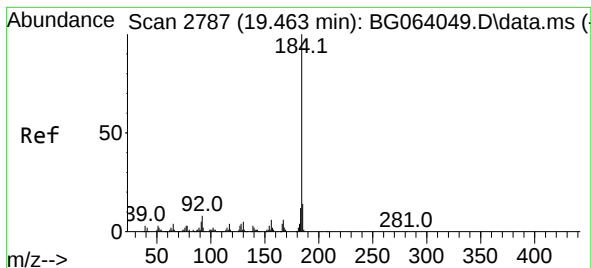
Tgt Ion:248 Resp: 12234
Ion Ratio Lower Upper
248 100
250 195.6 77.1 115.7#
141 538.2 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.451 min Scan# 3125
Delta R.T. -0.009 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:240 Resp: 246421
Ion Ratio Lower Upper
240 100
120 8.8 7.2 10.8
236 25.5 20.2 30.2





#77

Benzidine

Concen: 6.611 ng

RT: 19.842 min Scan# 21

Delta R.T. 0.379 min

Lab File: BG064171.D

Acq: 3 Apr 2025 17:56

Instrument :

BNA_G

ClientSampleId :

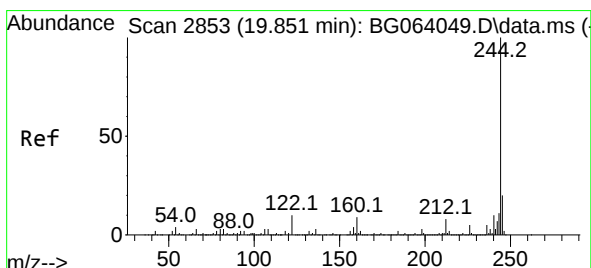
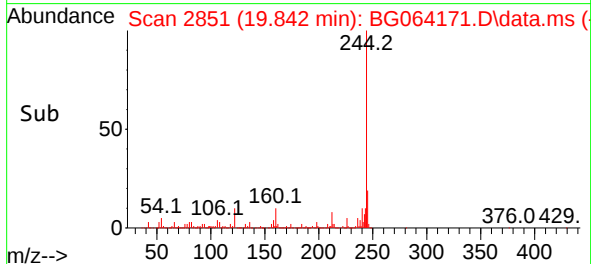
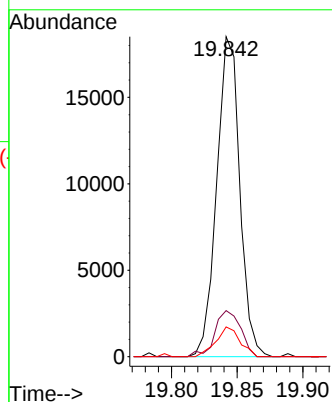
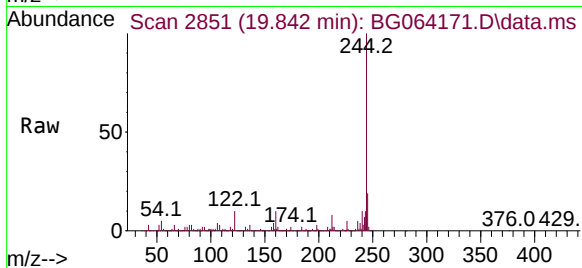
Tgt Ion:184 Resp: 22558

Ion Ratio Lower Upper

184 100

185 14.4 11.3 16.9

183 9.3 9.5 14.3#



#79

Terphenyl-d14

Concen: 91.772 ng

RT: 19.847 min Scan# 2852

Delta R.T. -0.003 min

Lab File: BG064171.D

Acq: 3 Apr 2025 17:56

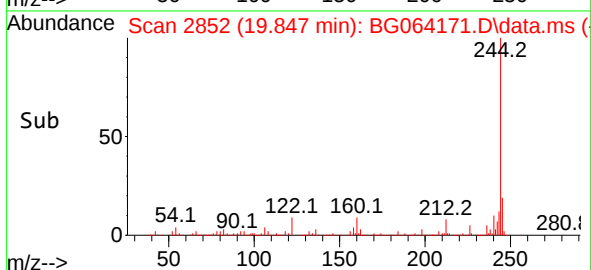
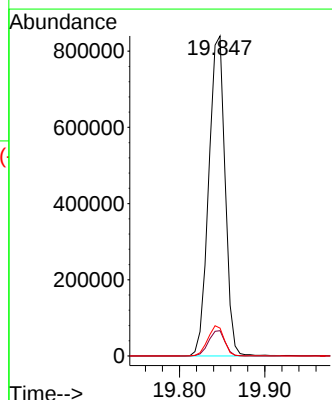
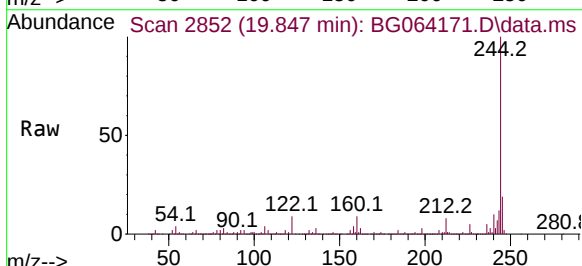
Tgt Ion:244 Resp: 1118423

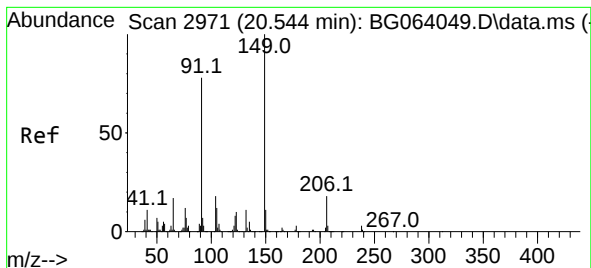
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.4

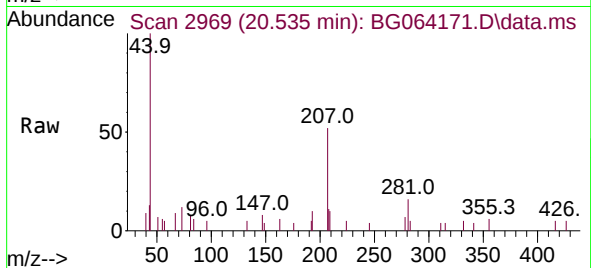
122 8.7 8.0 12.0



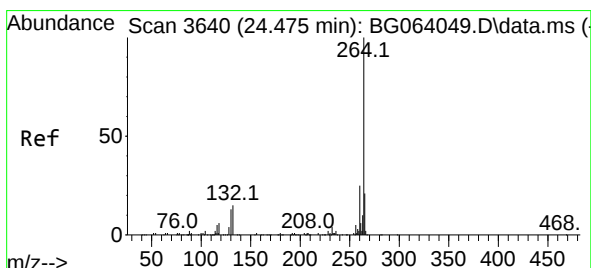
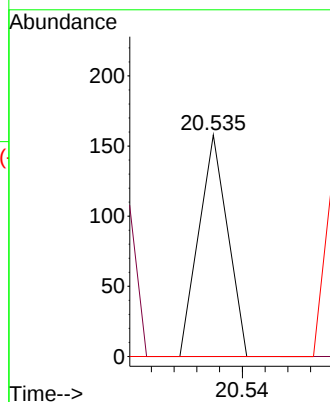
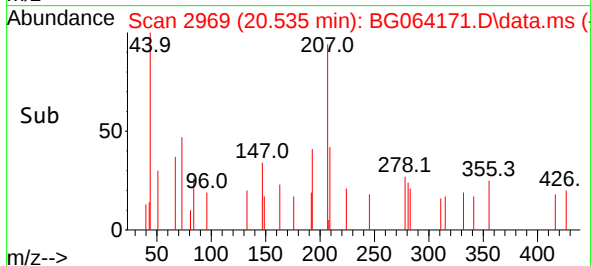


#80
Butylbenzylphthalate
Concen: 3.646 ng
RT: 20.535 min Scan# 2971
Delta R.T. -0.009 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:149 Resp: 56
Ion Ratio Lower Upper
149 100
91 0.0 62.0 93.0#
206 0.0 14.6 21.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.466 min Scan# 3638
Delta R.T. -0.009 min
Lab File: BG064171.D
Acq: 3 Apr 2025 17:56

Tgt Ion:264 Resp: 258720
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 19.5 16.6 25.0

