

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040325\
 Data File : BG064186.D
 Acq On : 4 Apr 2025 4:05
 Operator : RC/JU
 Sample : Q1681-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 04 05:30:09 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)

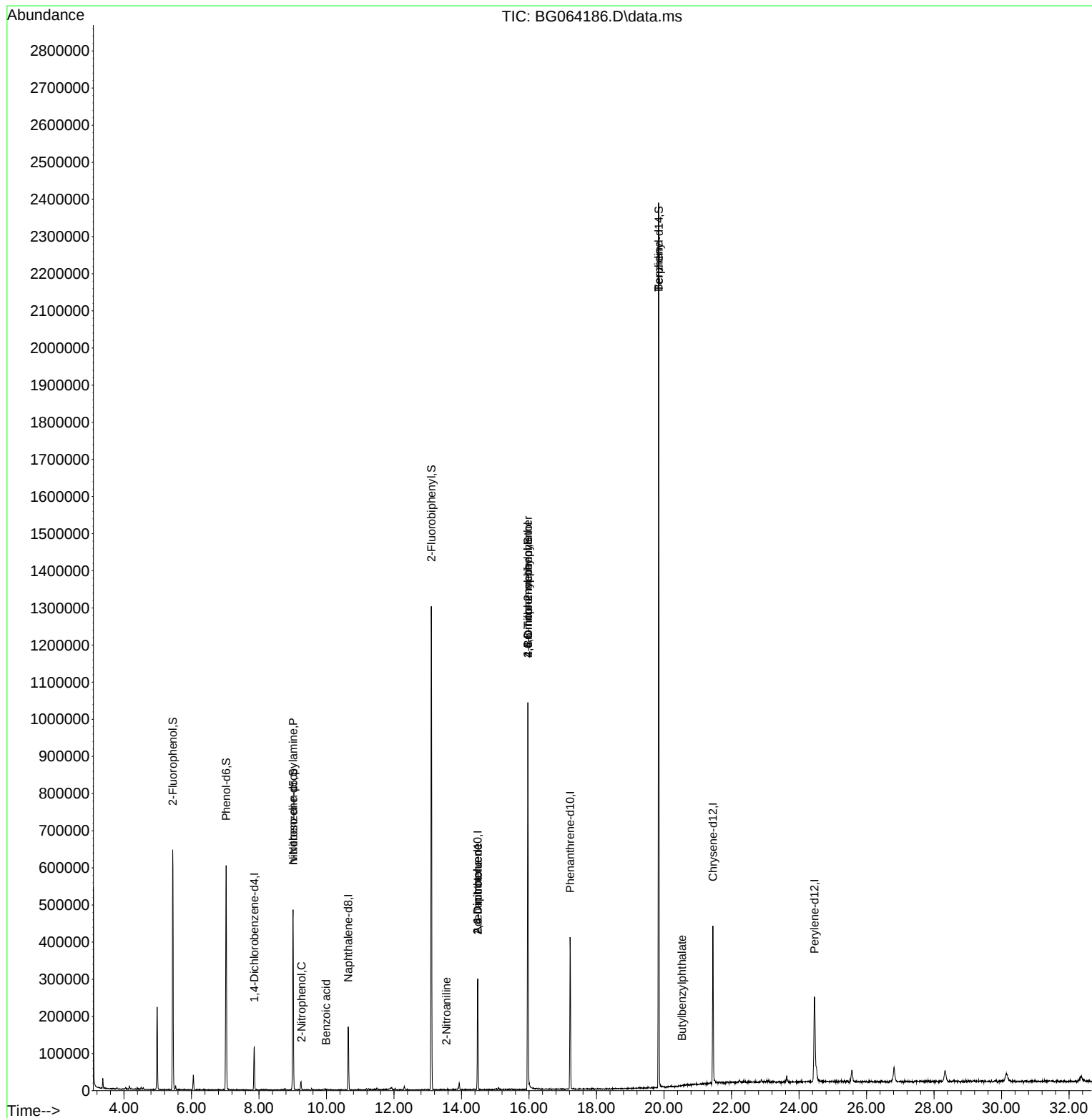
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	27809	20.000	ng	0.00
21) Naphthalene-d8	10.644	136	127215	20.000	ng	-0.01
39) Acenaphthene-d10	14.480	164	101606	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	234899	20.000	ng	-0.01
76) Chrysene-d12	21.449	240	233866	20.000	ng	-0.01
86) Perylene-d12	24.457	264	234620	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	232214	130.386	ng	0.00
7) Phenol-d6	7.024	99	287276	118.571	ng	0.00
23) Nitrobenzene-d5	9.010	82	247780	107.635	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	174840	154.805	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	625566	93.453	ng	-0.01
79) Terphenyl-d14	19.845	244	1120144	96.847	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.010	70	35180	20.690	ng	# 80
26) 2-Nitrophenol	9.257	139	130	3.457	ng	# 26
32) Benzoic acid	9.986	122	295	8.880	ng	# 61
48) 2-Nitroaniline	13.552	65	56	3.246	ng	# 11
51) 2,6-Dinitrotoluene	14.480	165	13633	11.690	ng	# 17
57) 2,4-Dinitrotoluene	14.480	165	13633	9.646	ng	# 18
65) 4,6-Dinitro-2-methylph...	15.967	198	609	8.677	ng	# 1
67) 4-Bromophenyl-phenylether	15.967	248	12621	5.246	ng	# 1
77) Benzidine	19.839	184	20564	6.350	ng	# 88
80) Butylbenzylphthalate	20.532	149	55	3.646	ng	# 20

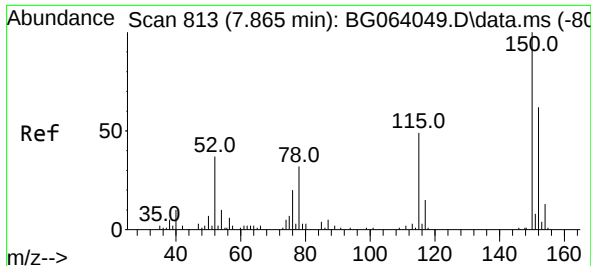
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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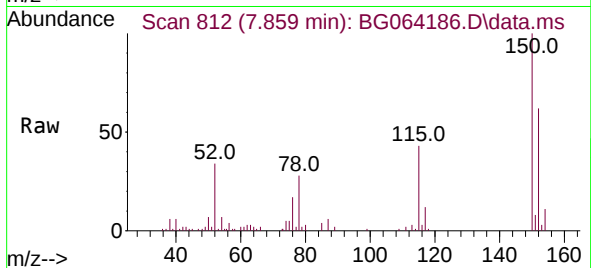
Quant Time: Apr 04 05:30:09 2025
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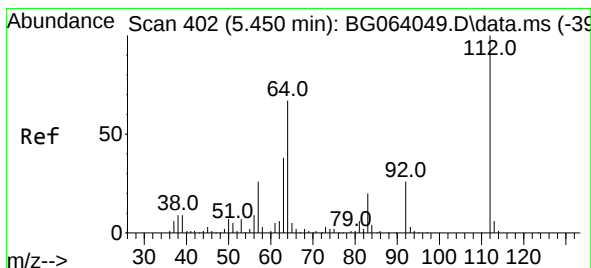
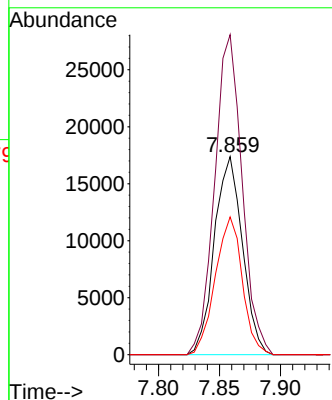
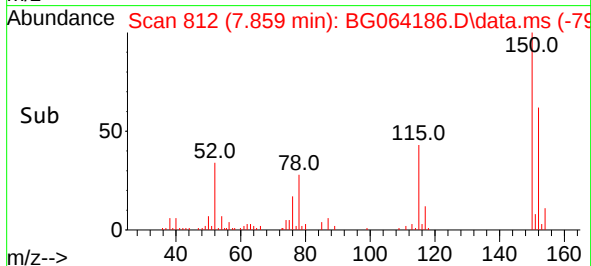


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.859 min Scan# 813
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

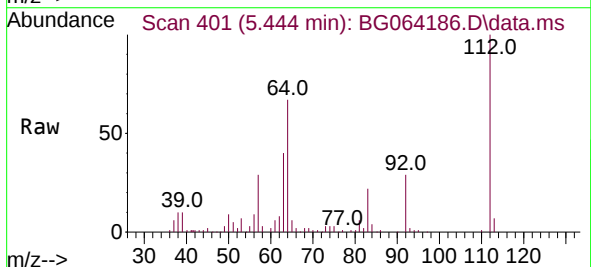
Instrument :
BNA_G
ClientSampleId :



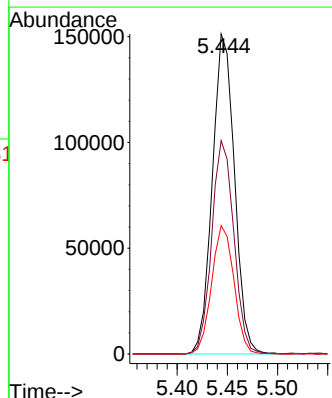
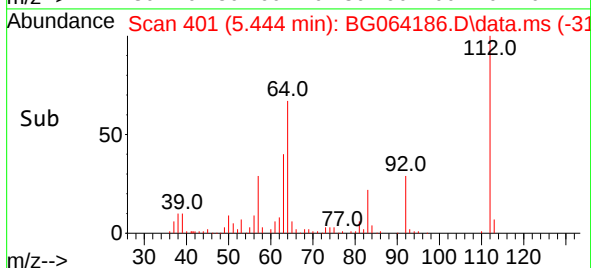
Tgt Ion:152 Resp: 27809
Ion Ratio Lower Upper
152 100
150 161.5 129.2 193.8
115 69.6 63.0 94.6

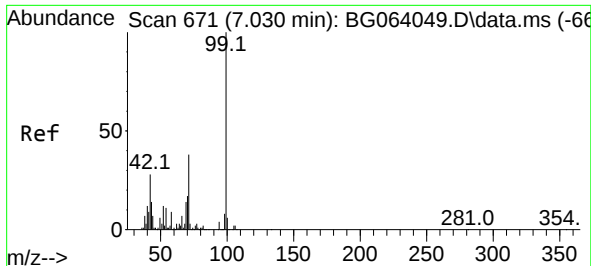


#5
2-Fluorophenol
Concen: 130.386 ng
RT: 5.444 min Scan# 401
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05



Tgt Ion:112 Resp: 232214
Ion Ratio Lower Upper
112 100
64 66.6 53.7 80.5
63 40.1 30.2 45.4

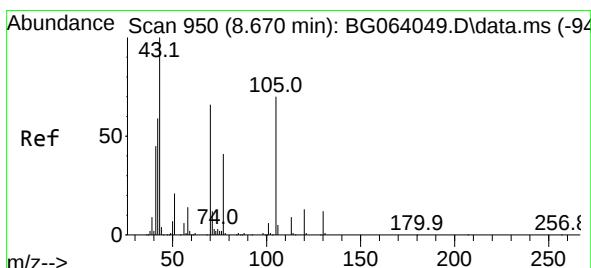
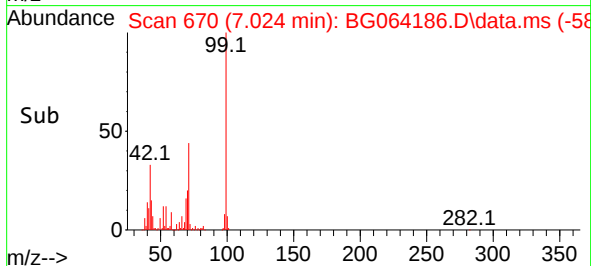
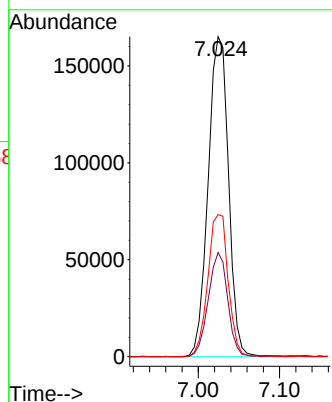
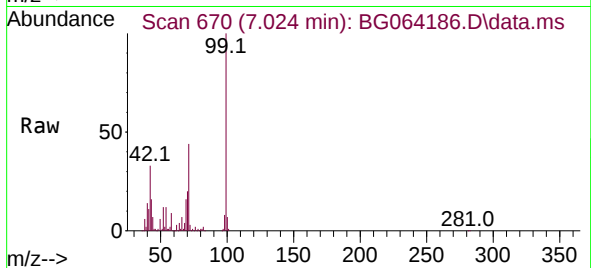




#7
Phenol-d6
Concen: 118.571 ng
RT: 7.024 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

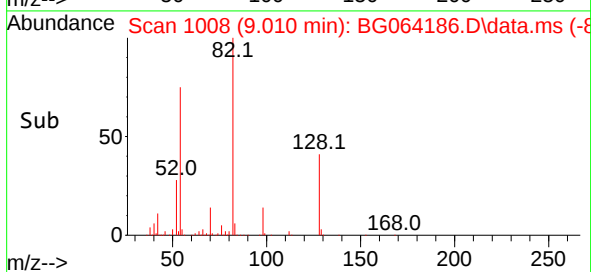
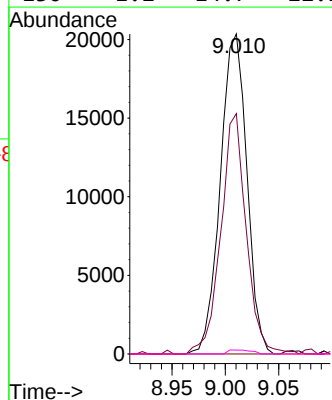
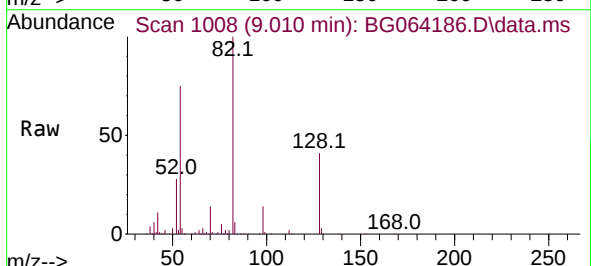
Instrument :
BNA_G
ClientSampleId :

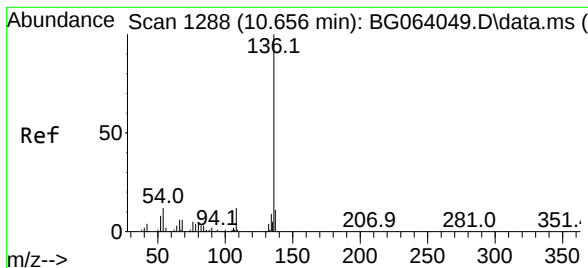
Tgt Ion: 99 Resp: 287276
Ion Ratio Lower Upper
99 100
42 32.5 22.7 34.1
71 44.4 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 20.690 ng
RT: 9.010 min Scan# 1008
Delta R.T. 0.341 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Tgt Ion: 70 Resp: 35180
Ion Ratio Lower Upper
70 100
42 75.1 72.1 108.1
101 0.0 7.2 10.8#
130 1.2 14.7 22.1#

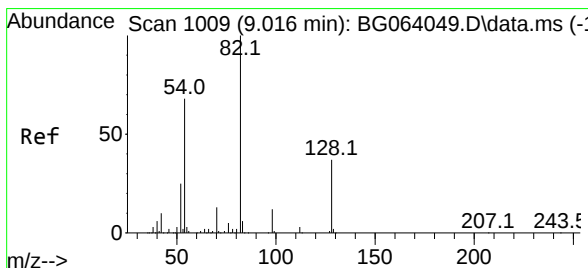
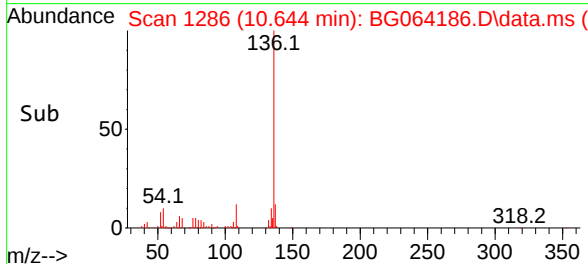
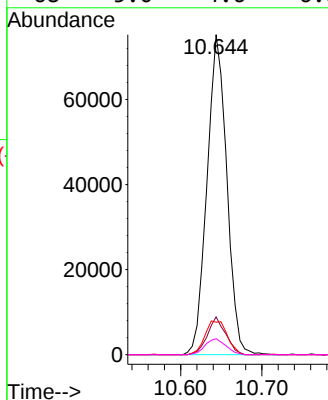
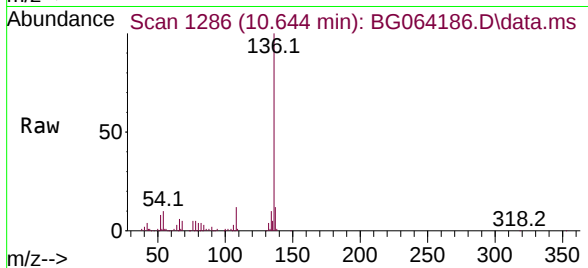




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

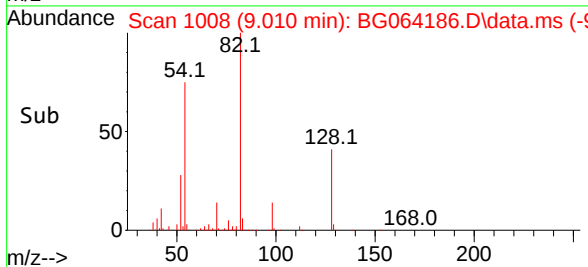
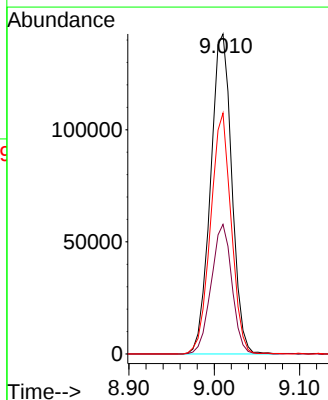
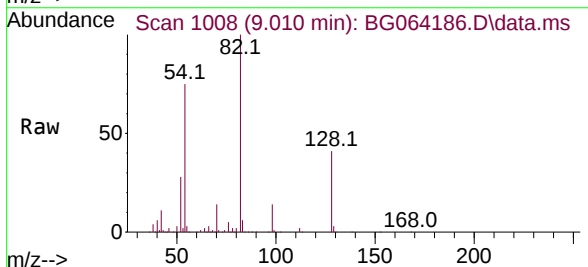
Instrument :
BNA_G
ClientSampleId :

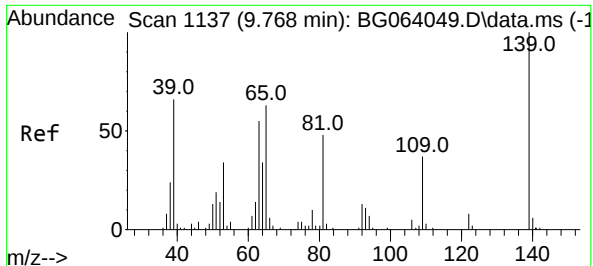
Tgt Ion:136	Resp:	127215	
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.5	12.7
54	10.2	9.9	14.9
68	5.0	4.6	6.8



#23
Nitrobenzene-d5
Concen: 107.635 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

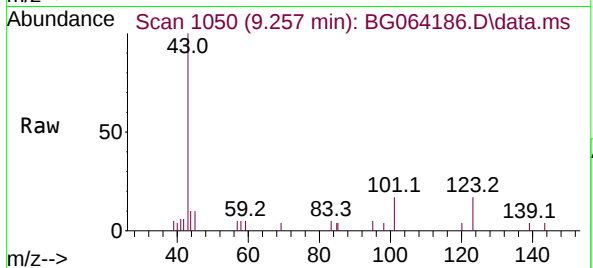
Tgt Ion: 82	Resp: 247780
Ion Ratio	Lower Upper
82 100	
128 40.5	30.0 45.0
54 75.3	54.7 82.1



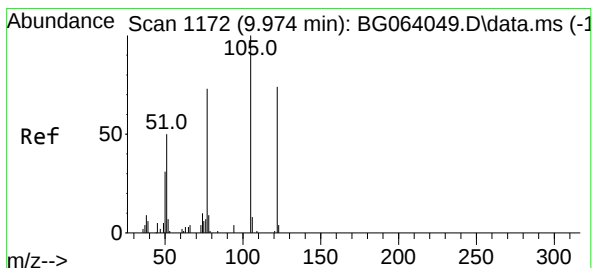
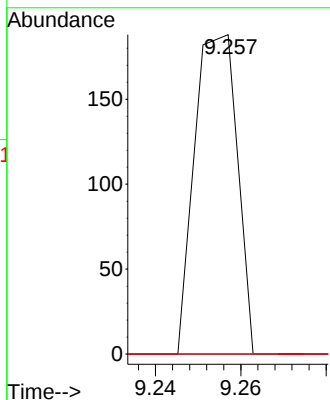
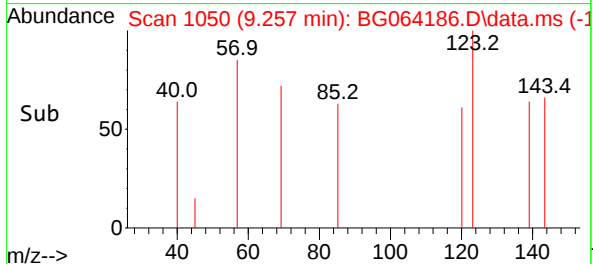


#26
2-Nitrophenol
Concen: 3.457 ng
RT: 9.257 min Scan# 1050
Delta R.T. -0.511 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Instrument :
BNA_G
ClientSampleId :

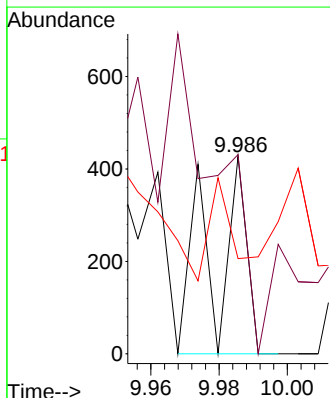
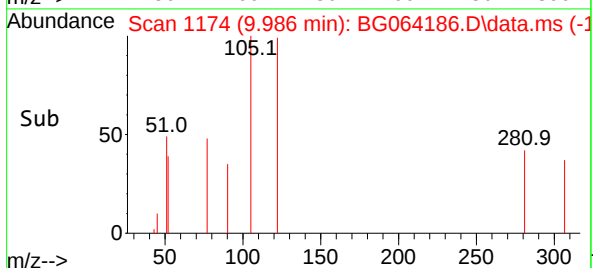
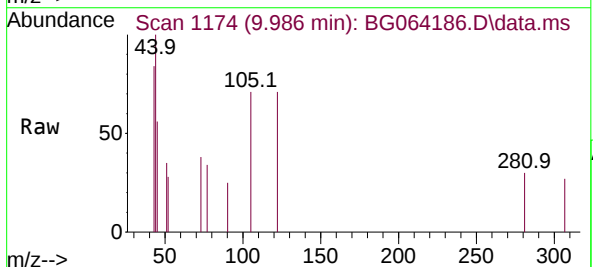


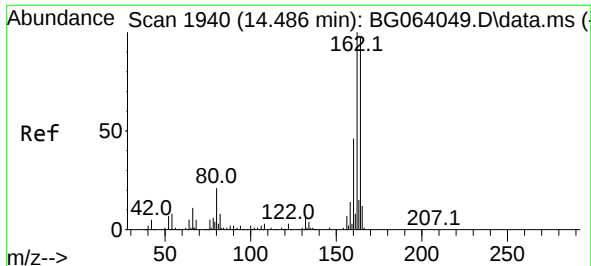
Tgt Ion:139 Resp: 130
Ion Ratio Lower Upper
139 100
109 0.0 29.9 44.9#
65 0.0 50.6 76.0#



#32
Benzoic acid
Concen: 8.880 ng
RT: 9.986 min Scan# 1174
Delta R.T. 0.012 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

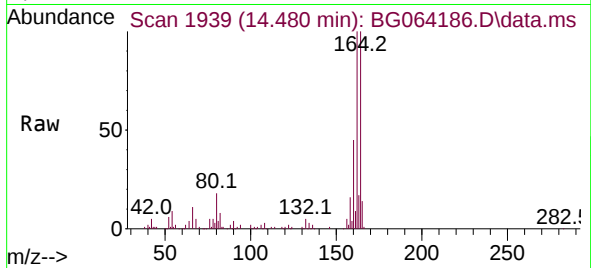
Tgt Ion:122 Resp: 295
Ion Ratio Lower Upper
122 100
105 100.9 115.0 155.0#
77 48.2 80.9 120.9#



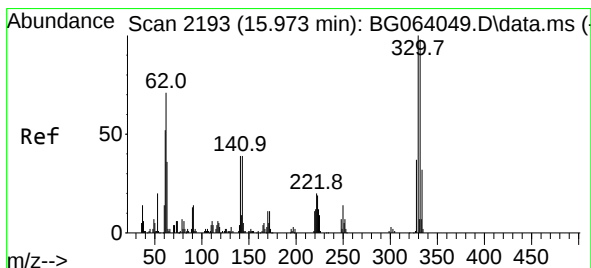
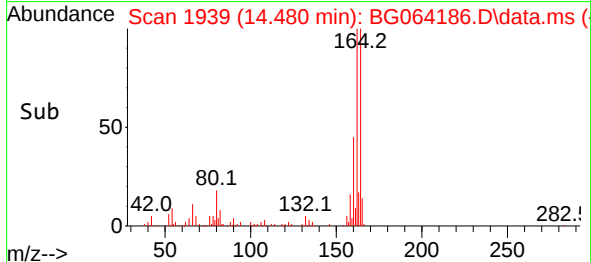
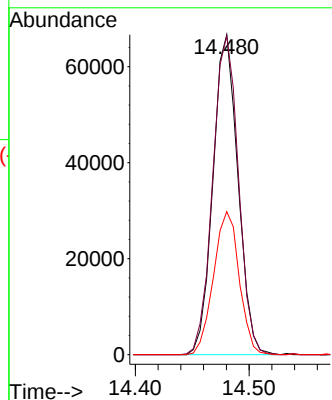


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Instrument :
BNA_G
ClientSampleId :

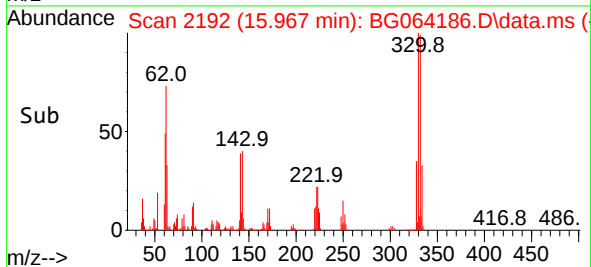
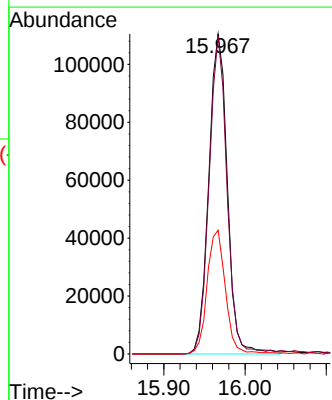
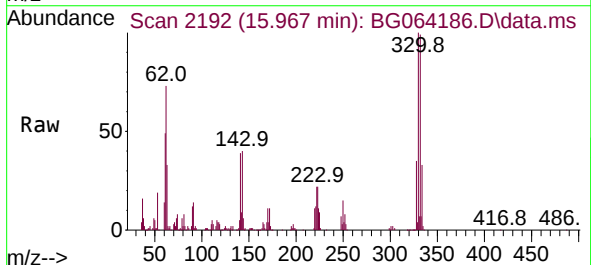


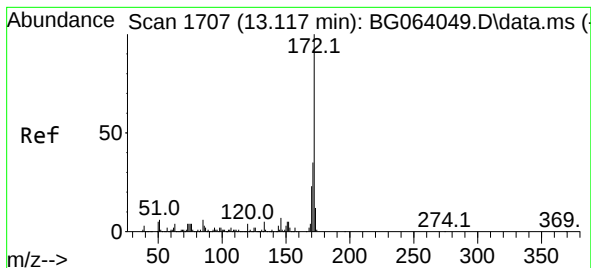
Tgt Ion:164 Resp: 101606
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 44.7 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 154.805 ng
RT: 15.967 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Tgt Ion:330 Resp: 174840
Ion Ratio Lower Upper
330 100
332 95.8 76.7 115.1
141 38.4 29.7 44.5





#45

2-Fluorobiphenyl

Concen: 93.453 ng

RT: 13.105 min Scan# 1

Delta R.T. -0.012 min

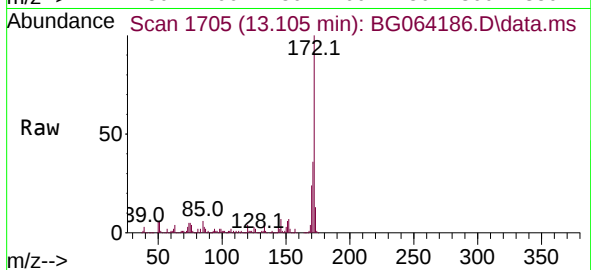
Lab File: BG064186.D

Acq: 4 Apr 2025 4:05

Instrument :

BNA_G

ClientSampleId :



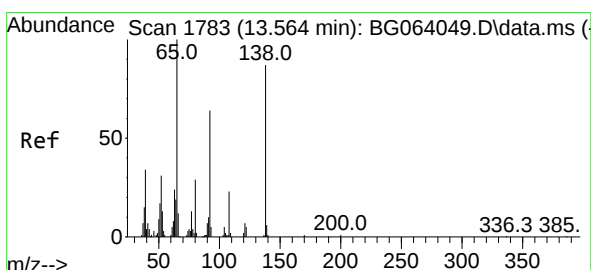
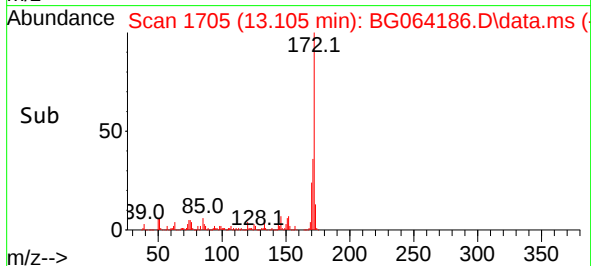
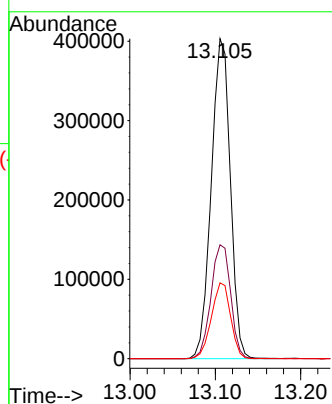
Tgt Ion:172 Resp: 625566

Ion Ratio Lower Upper

172 100

171 35.6 28.0 42.0

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 3.246 ng

RT: 13.552 min Scan# 1781

Delta R.T. -0.012 min

Lab File: BG064186.D

Acq: 4 Apr 2025 4:05

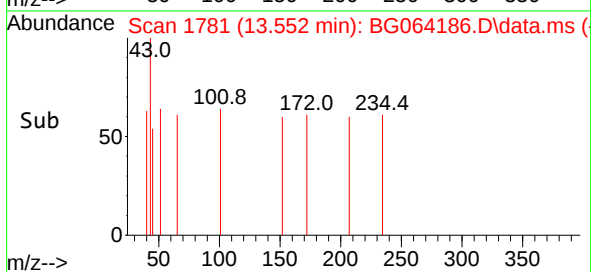
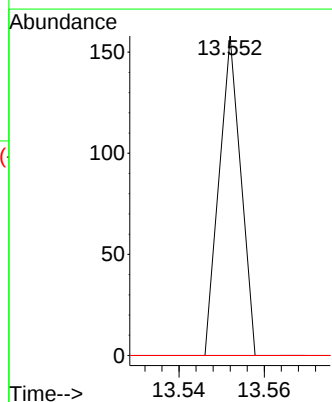
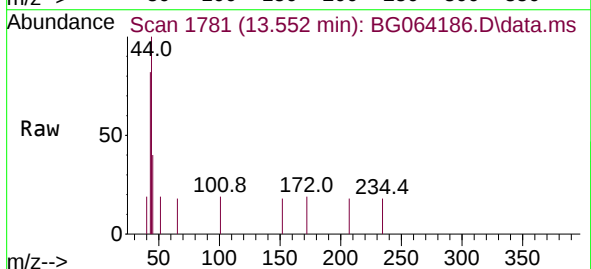
Tgt Ion: 65 Resp: 56

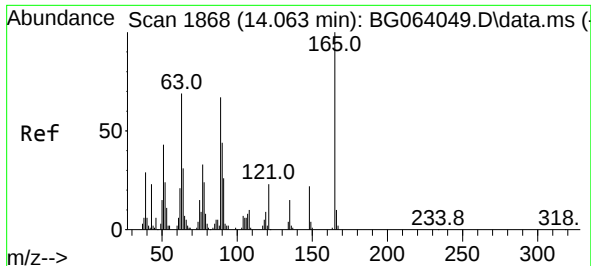
Ion Ratio Lower Upper

65 100

92 0.0 51.2 76.8#

138 0.0 69.4 104.2#

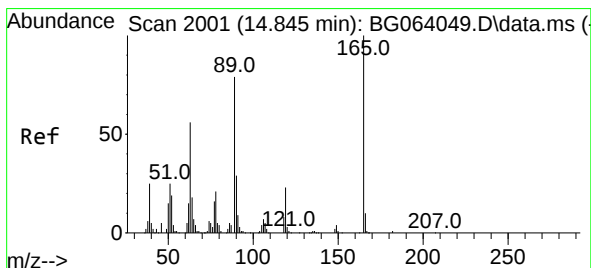
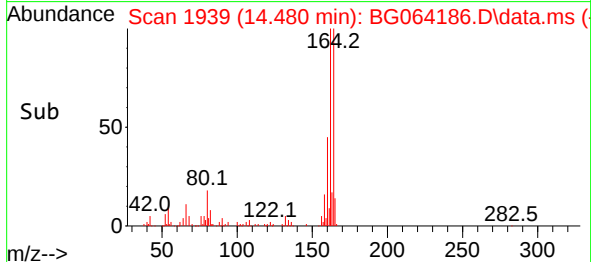
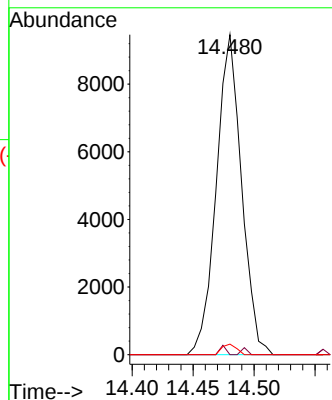
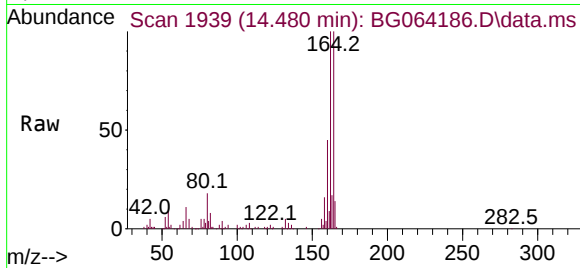




#51
2,6-Dinitrotoluene
Concen: 11.690 ng
RT: 14.480 min Scan# 1939
Delta R.T. 0.417 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

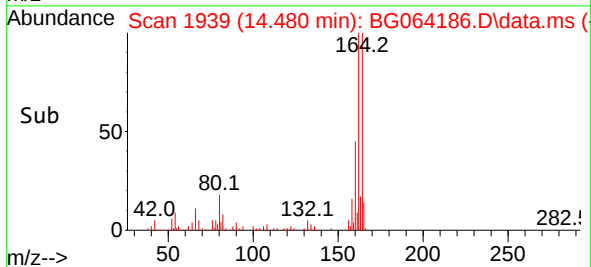
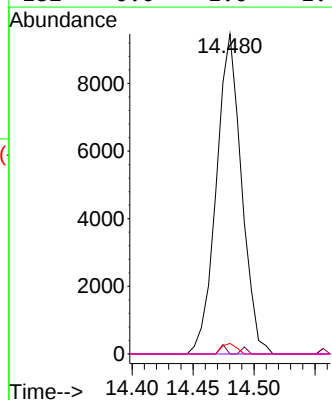
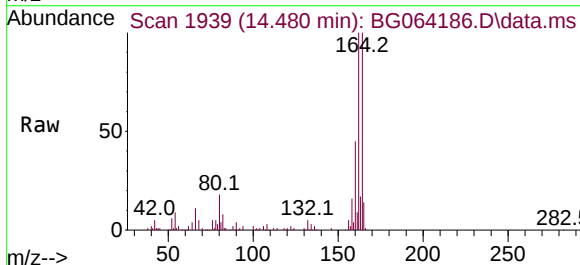
Instrument :
BNA_G
ClientSampleId :

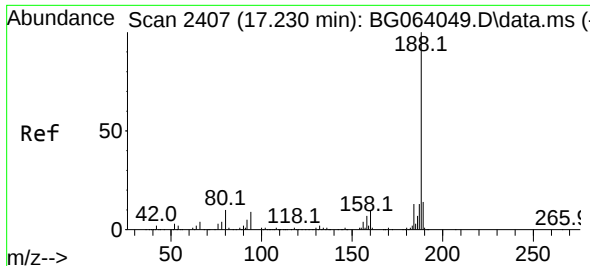
Tgt Ion:165 Resp: 13633
Ion Ratio Lower Upper
165 100
63 0.0 56.7 85.1#
89 3.3 53.7 80.5#



#57
2,4-Dinitrotoluene
Concen: 9.646 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.365 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

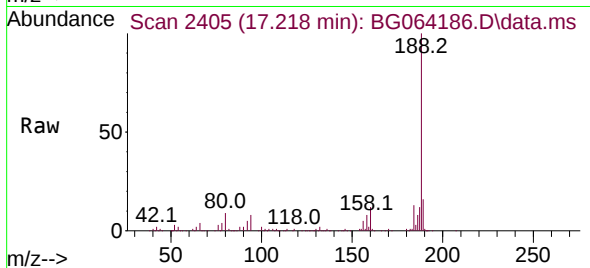
Tgt Ion:165 Resp: 13633
Ion Ratio Lower Upper
165 100
63 0.0 45.0 67.6#
89 3.3 63.1 94.7#
182 0.0 1.0 1.4#



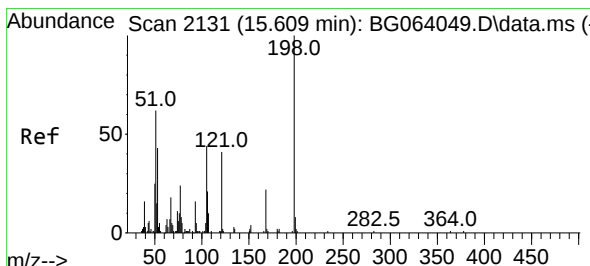
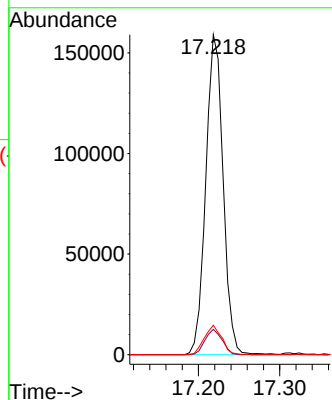
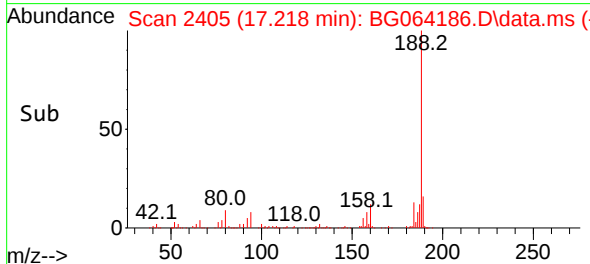


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

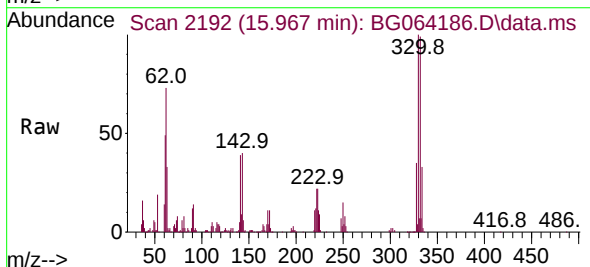
Instrument :
BNA_G
ClientSampleId :



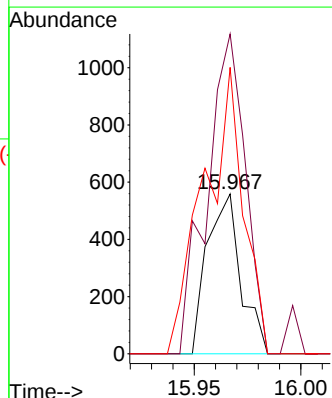
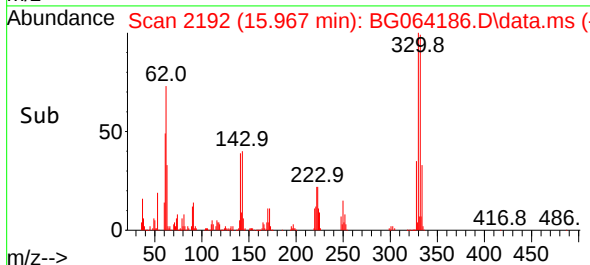
Tgt Ion:188 Resp: 234899
Ion Ratio Lower Upper
188 100
94 7.9 6.9 10.3
80 9.2 8.1 12.1

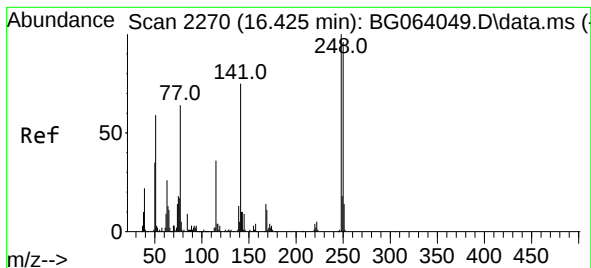


#65
4,6-Dinitro-2-methylphenol
Concen: 8.677 ng
RT: 15.967 min Scan# 2192
Delta R.T. 0.358 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05



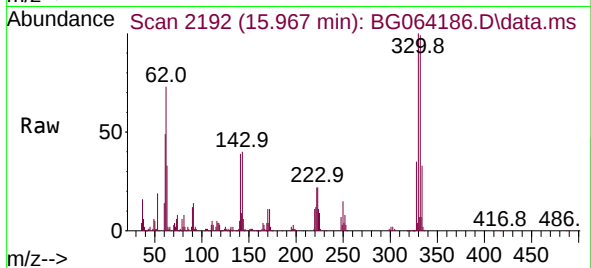
Tgt Ion:198 Resp: 609
Ion Ratio Lower Upper
198 100
51 200.0 45.6 85.6#
105 179.1 25.3 65.3#



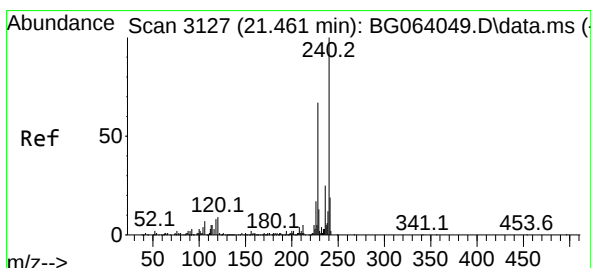
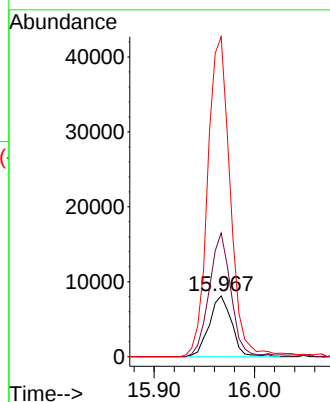
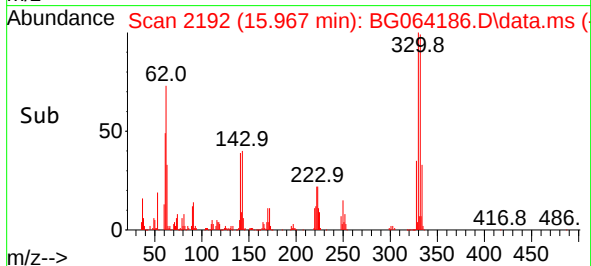


#67
4-Bromophenyl-phenylether
Concen: 5.246 ng
RT: 15.967 min Scan# 2119
Delta R.T. -0.458 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

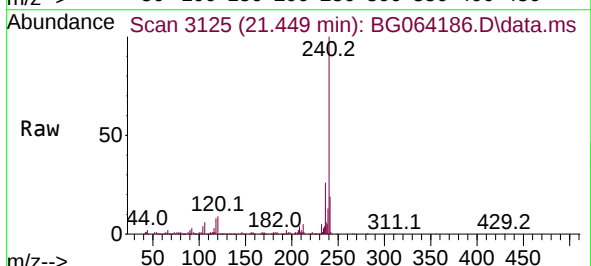
Instrument :
BNA_G
ClientSampleId :



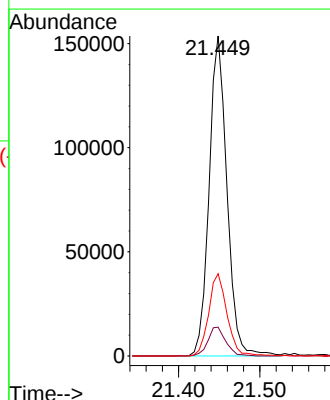
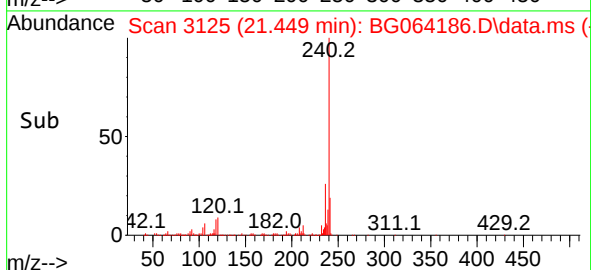
Tgt Ion:248 Resp: 12621
Ion Ratio Lower Upper
248 100
250 203.4 77.1 115.7#
141 526.2 59.8 89.8#

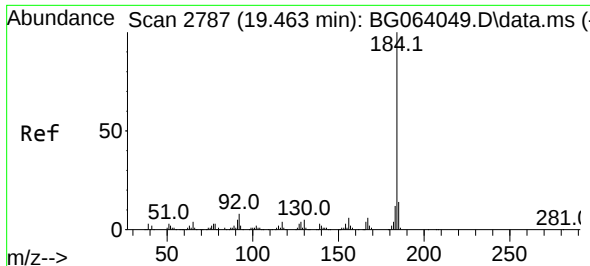


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.449 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05



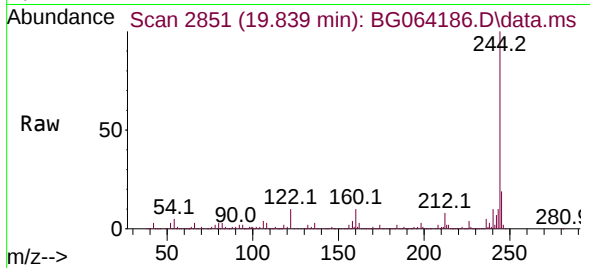
Tgt Ion:240 Resp: 233866
Ion Ratio Lower Upper
240 100
120 9.0 7.2 10.8
236 25.7 20.2 30.2



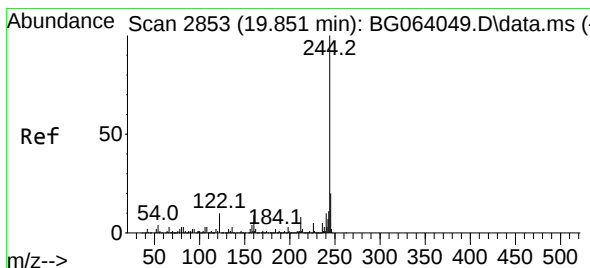
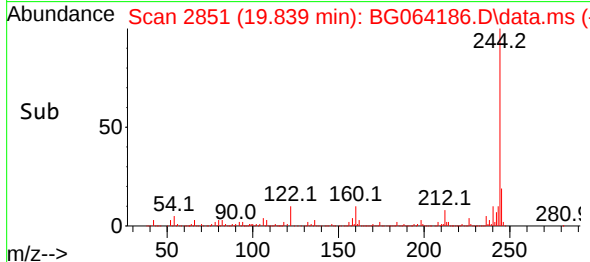
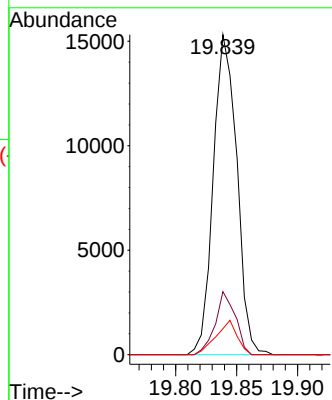


#77
Benzidine
Concen: 6.350 ng
RT: 19.839 min Scan# 2851
Delta R.T. 0.376 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Instrument :
BNA_G
ClientSampleId :

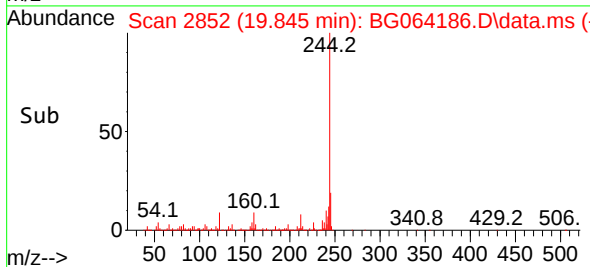
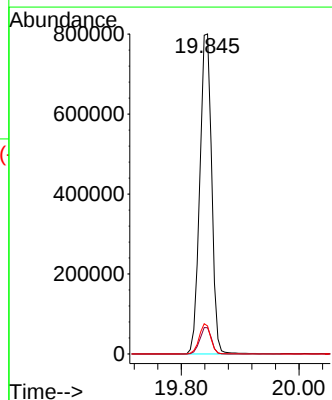
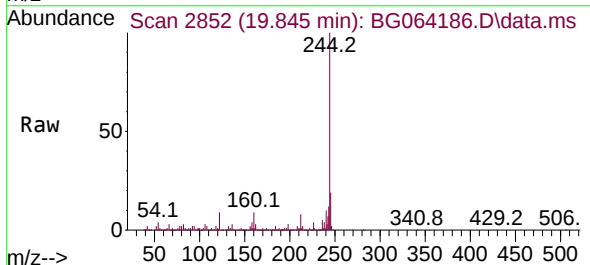


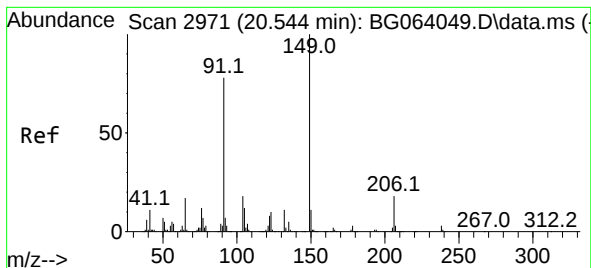
Tgt Ion:184 Resp: 20564
Ion Ratio Lower Upper
184 100
185 19.7 11.3 16.9#
183 8.1 9.5 14.3#



#79
Terphenyl-d14
Concen: 96.847 ng
RT: 19.845 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BG064186.D
Acq: 4 Apr 2025 4:05

Tgt Ion:244 Resp: 1120144
Ion Ratio Lower Upper
244 100
212 8.2 6.2 9.4
122 8.7 8.0 12.0





#80

Butylbenzylphthalate

Concen: 3.646 ng

RT: 20.532 min Scan# 2969

Delta R.T. -0.012 min

Lab File: BG064186.D

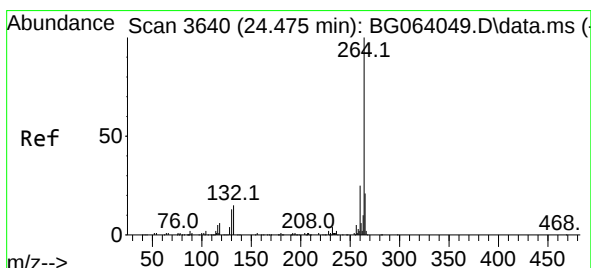
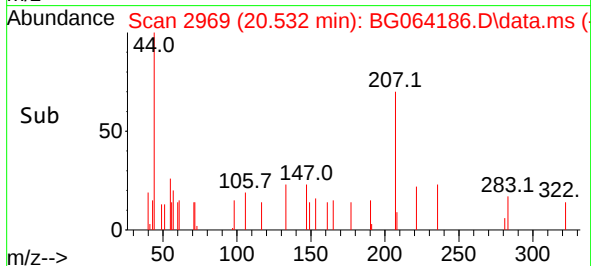
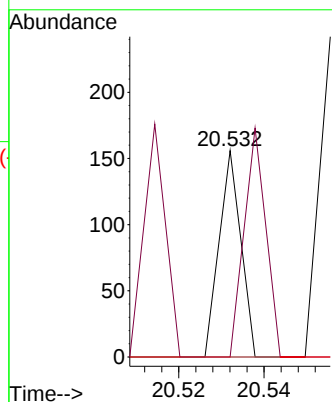
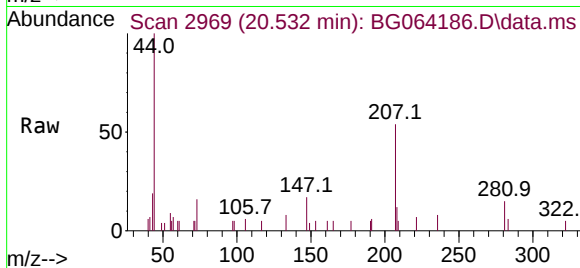
Acq: 4 Apr 2025 4:05

Instrument :

BNA_G

ClientSampleId :

Tgt Ion:149	Resp:	55
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: 24.457 min Scan# 3637

Delta R.T. -0.018 min

Lab File: BG064186.D

Acq: 4 Apr 2025 4:05

Tgt Ion:264	Resp:	234620
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.6 29.4
265	23.1	16.6 25.0

