

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064593.D
 Acq On : 27 Oct 2025 18:47
 Operator : RC/JU
 Sample : Q3400-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 2

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-0760450

Quant Time: Oct 29 16:07:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

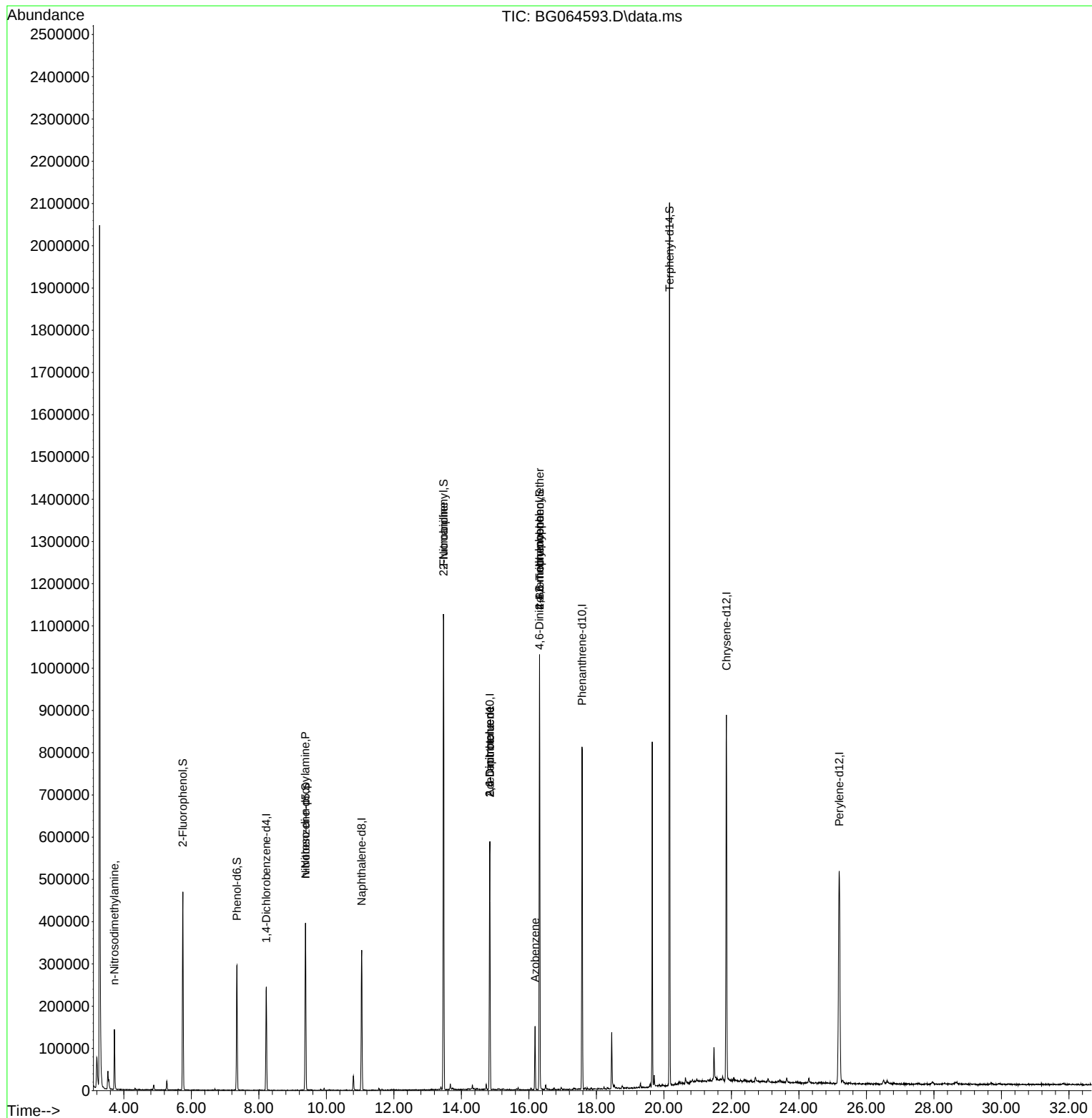
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	67699	40.000	ng	0.00
21) Naphthalene-d8	11.046	136	268060	40.000	ng	0.00
39) Acenaphthene-d10	14.842	164	218553	40.000	ng	0.00
64) Phenanthrene-d10	17.580	188	525908	40.000	ng	0.00
76) Chrysene-d12	21.851	240	570907	40.000	ng	-0.01
86) Perylene-d12	25.194	264	621637	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	178966	88.744	ng	0.00
7) Phenol-d6	7.350	99	159770	57.736	ng	0.00
23) Nitrobenzene-d5	9.383	82	224133	100.440	ng	0.00
42) 2,4,6-Tribromophenol	16.316	330	215818	136.837	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	609771	84.580	ng	0.00
79) Terphenyl-d14	20.165	244	1042911	68.948	ng	-0.01
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.719	42	19337	13.449	ng	# 8
19) n-Nitroso-di-n-propyla...	9.377	70	29574	15.464	ng	# 73
48) 2-Nitroaniline	13.467	65	1189	7.013	ng	# 1
51) 2,6-Dinitrotoluene	14.842	165	27537	25.017	ng	# 19
57) 2,4-Dinitrotoluene	14.842	165	27537	18.190	ng	# 22
63) Azobenzene	16.181	77	41021	5.236	ng	# 1
65) 4,6-Dinitro-2-methylph...	16.311	198	338	11.112	ng	98
67) 4-Bromophenyl-phenylether	16.316	248	13670	4.387	ng	# 1
77) Benzidine	20.165	184	15914	2.488	ng	# 94

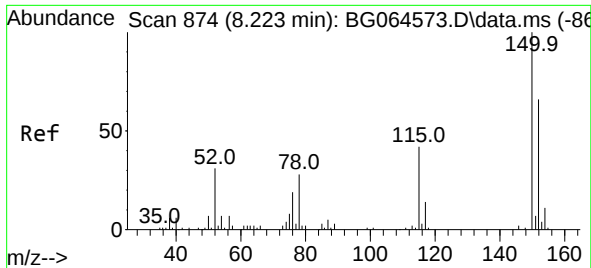
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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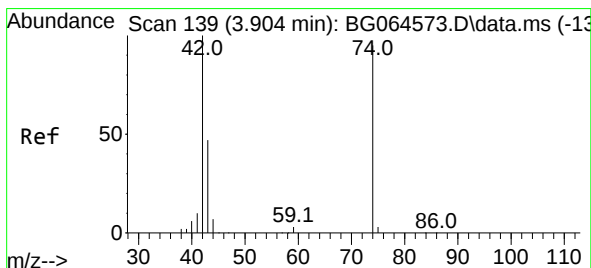
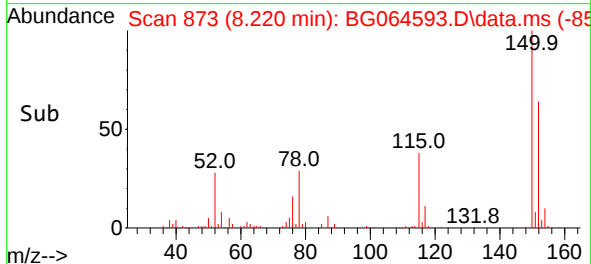
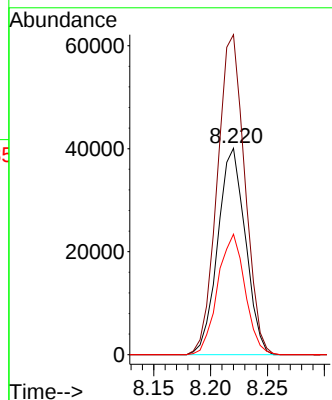
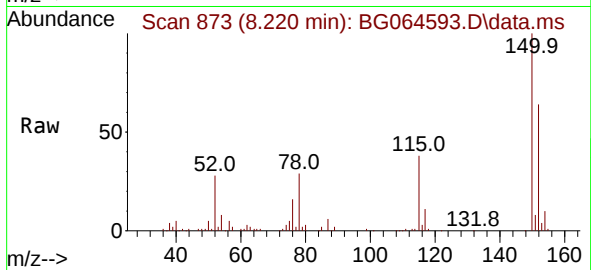




#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

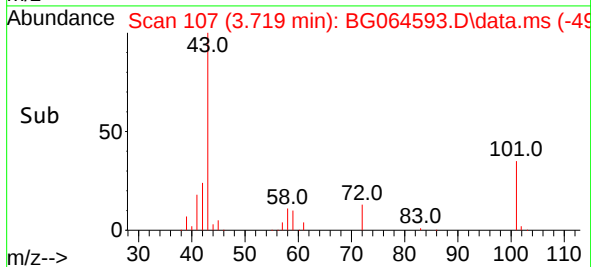
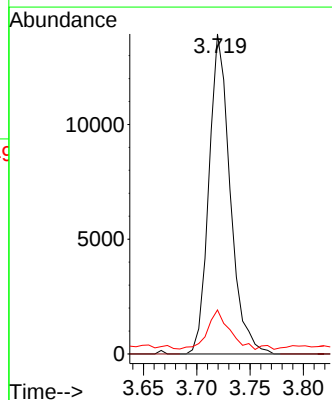
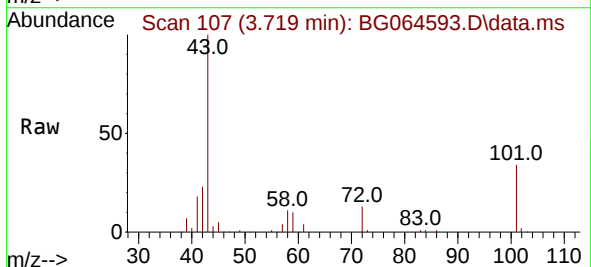
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

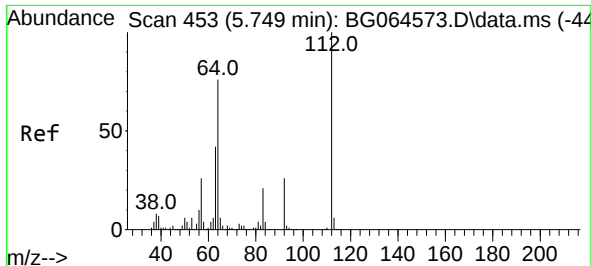
Tgt Ion:152 Resp: 67699
Ion Ratio Lower Upper
152 100
150 155.1 122.2 183.4
115 58.4 50.8 76.2



#4
n-Nitrosodimethylamine
Concen: 13.449 ng
RT: 3.719 min Scan# 107
Delta R.T. -0.189 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion: 42 Resp: 19337
Ion Ratio Lower Upper
42 100
74 0.0 76.1 114.1#
44 13.8 6.3 9.5#

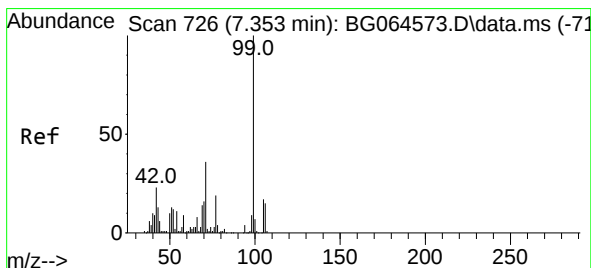
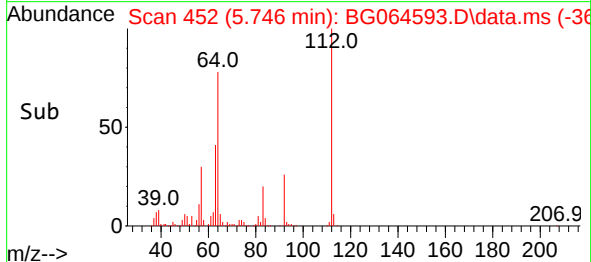
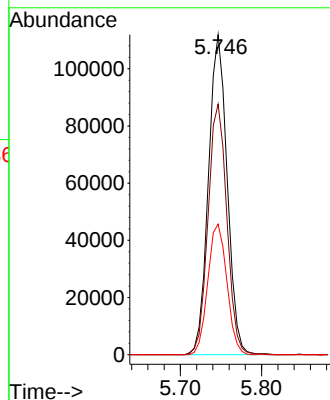
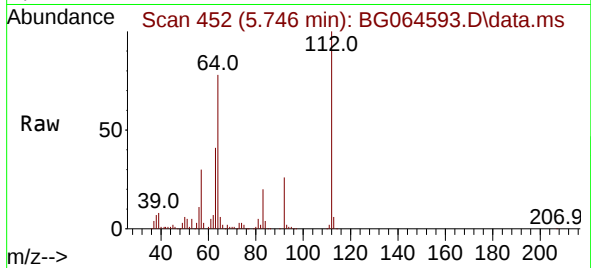




#5
2-Fluorophenol
Concen: 88.744 ng
RT: 5.746 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

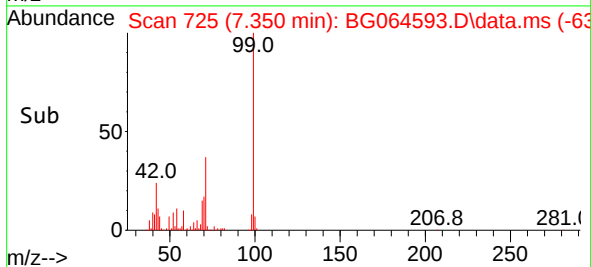
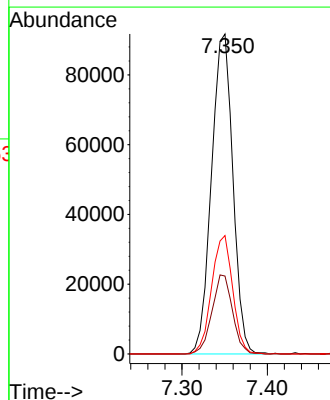
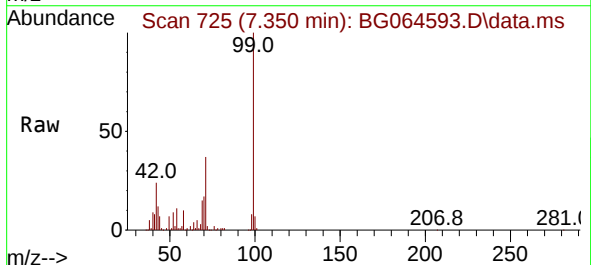
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

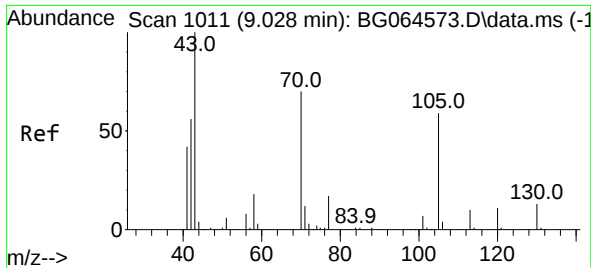
Tgt Ion:112 Resp: 178966
Ion Ratio Lower Upper
112 100
64 78.3 60.7 91.1
63 40.8 33.4 50.0



#7
Phenol-d6
Concen: 57.736 ng
RT: 7.350 min Scan# 725
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion: 99 Resp: 159770
Ion Ratio Lower Upper
99 100
42 24.3 18.3 27.5
71 37.0 28.6 43.0

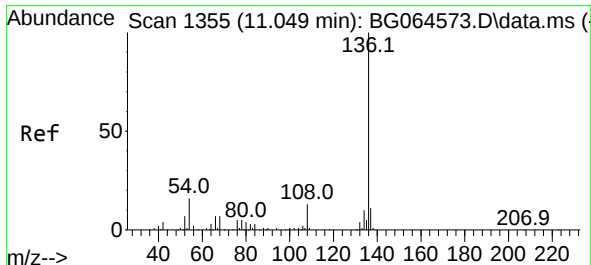
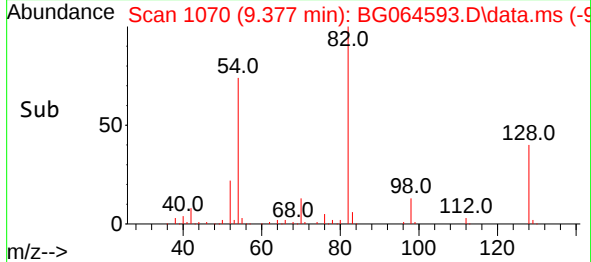
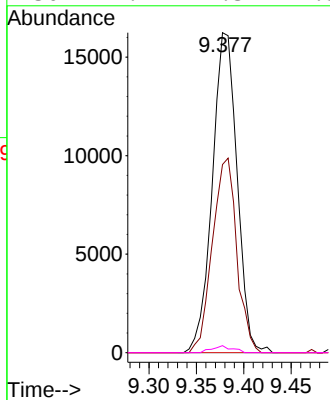
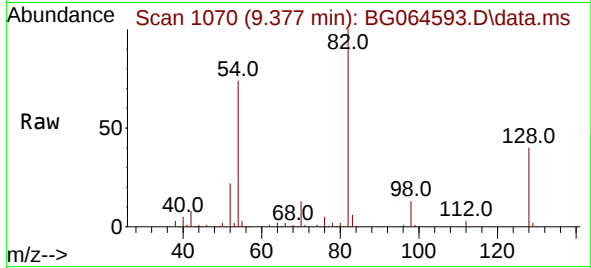




#19
n-Nitroso-di-n-propylamine
Concen: 15.464 ng
RT: 9.377 min Scan# 1011
Delta R.T. 0.346 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

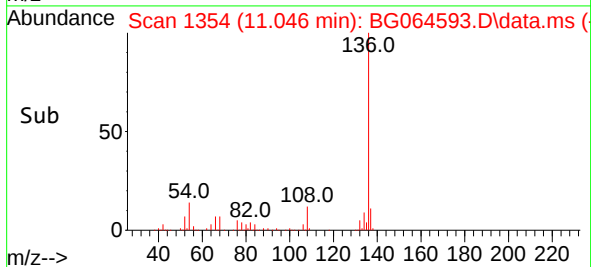
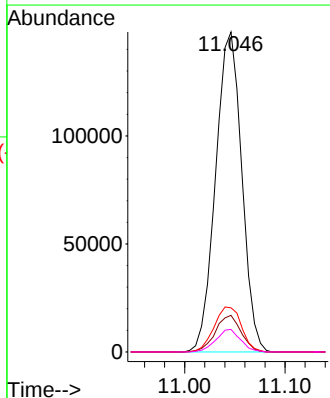
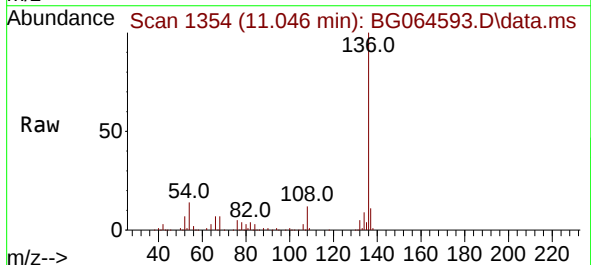
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

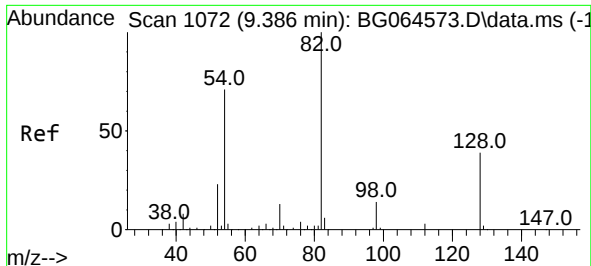
Tgt Ion:	70	Resp:	29574
Ion	Ratio	Lower	Upper
70	100		
42	58.8	65.2	97.8#
101	0.0	7.9	11.9#
130	2.2	14.3	21.5#



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 11.046 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:	136	Resp:	268060
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	13.8	12.6	19.0
68	7.0	5.7	8.5





#23

Nitrobenzene-d5

Concen: 100.440 ng

RT: 9.383 min Scan# 10

Delta R.T. -0.007 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-0760450

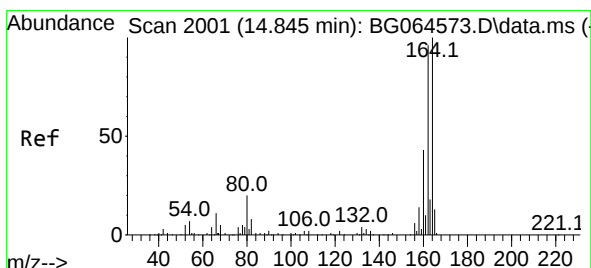
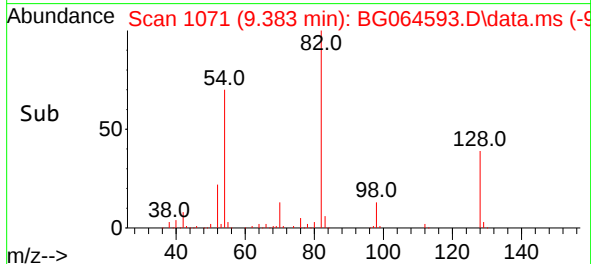
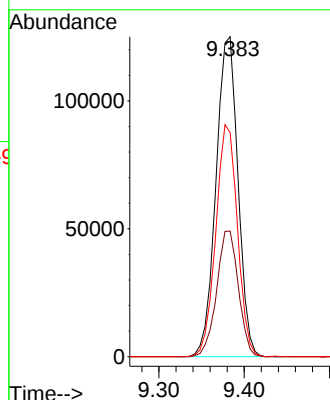
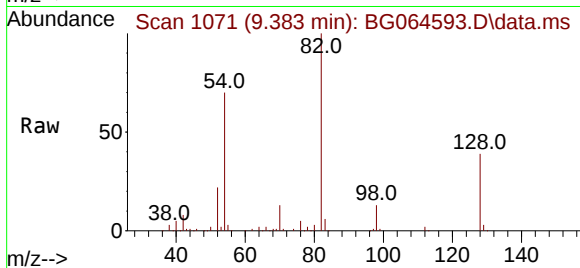
Tgt Ion: 82 Resp: 224133

Ion Ratio Lower Upper

82 100

128 39.2 31.3 46.9

54 70.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 14.842 min Scan# 2000

Delta R.T. -0.001 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

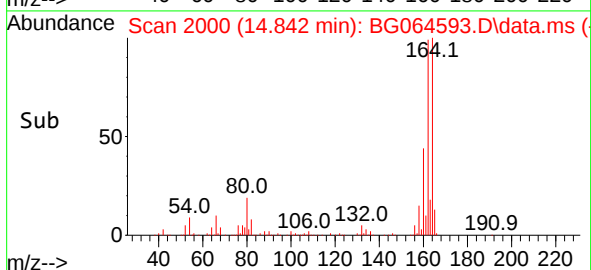
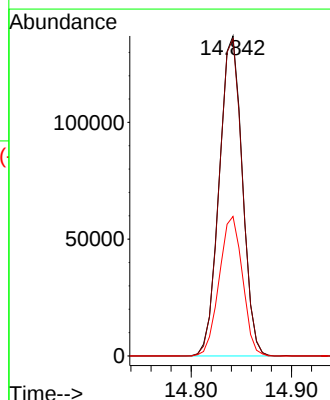
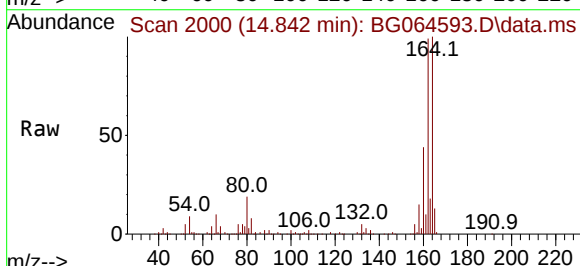
Tgt Ion:164 Resp: 218553

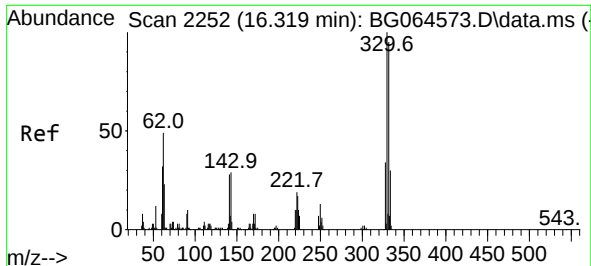
Ion Ratio Lower Upper

164 100

162 99.2 77.0 115.6

160 43.6 34.4 51.6

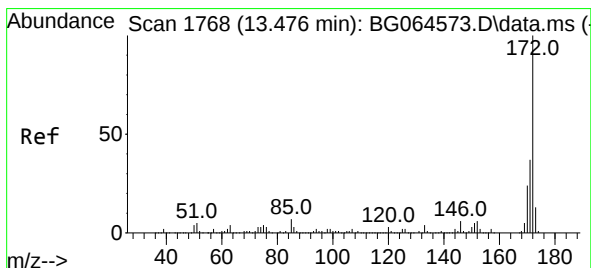
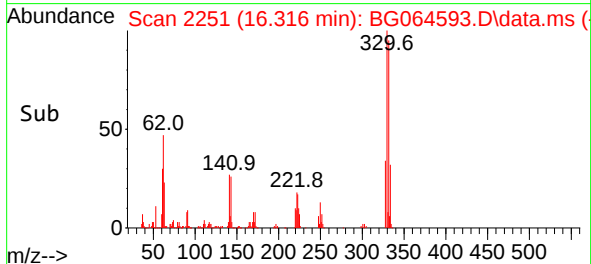
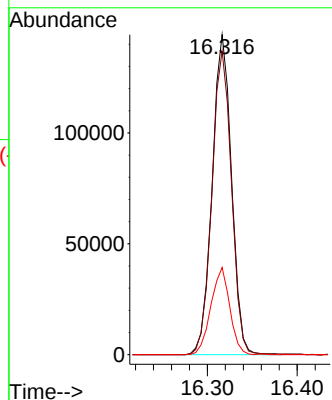
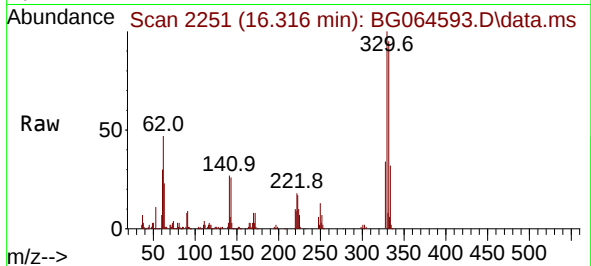




#42
2,4,6-Tribromophenol
Concen: 136.837 ng
RT: 16.316 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

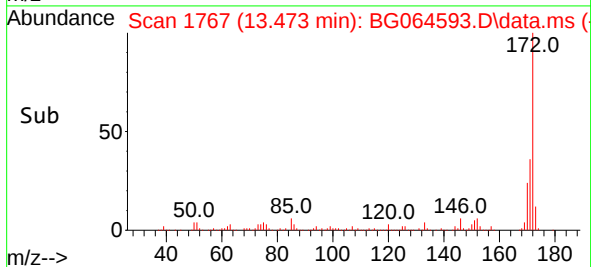
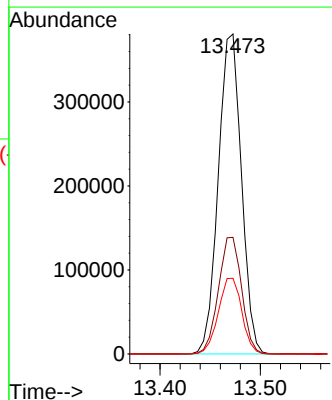
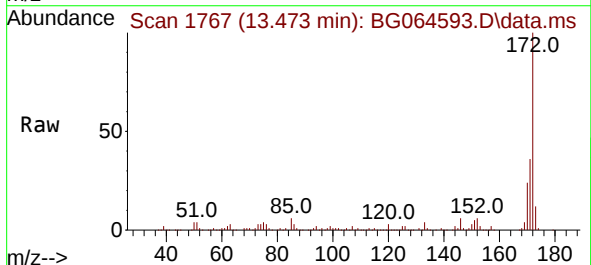
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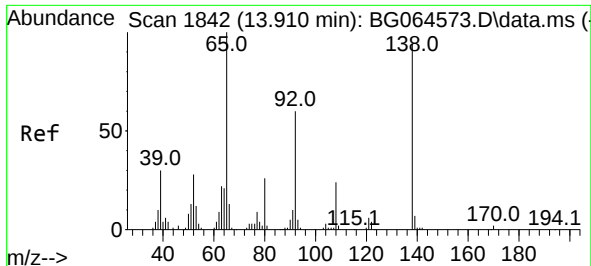
Tgt Ion:330 Resp: 215818
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 26.5 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 84.580 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:172 Resp: 609771
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 23.7 19.1 28.7

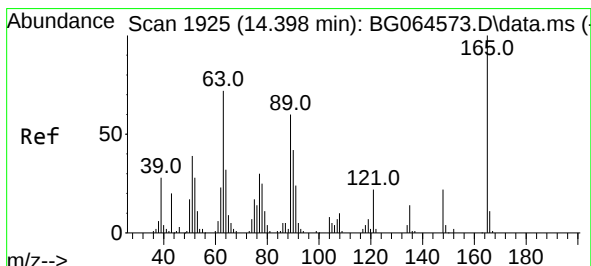
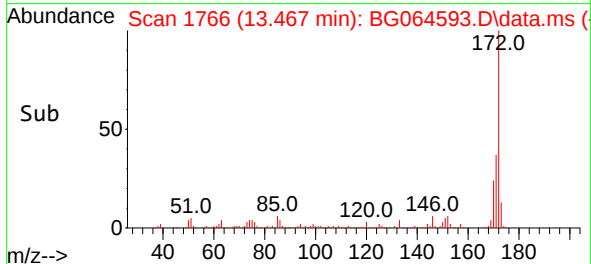
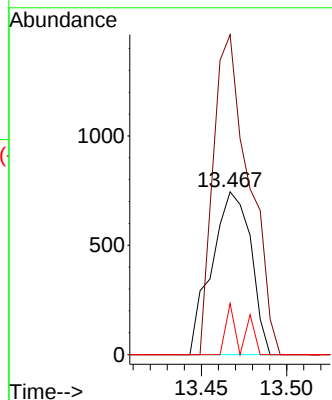
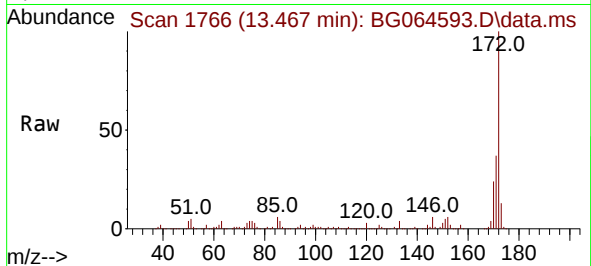




#48
2-Nitroaniline
Concen: 7.013 ng
RT: 13.467 min Scan# 11
Delta R.T. -0.447 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

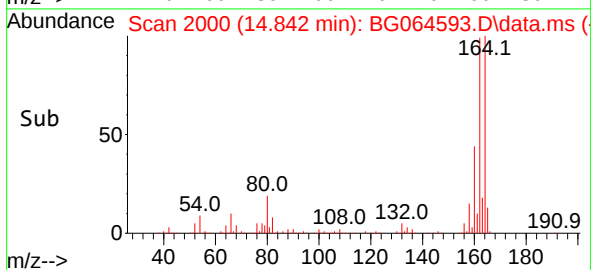
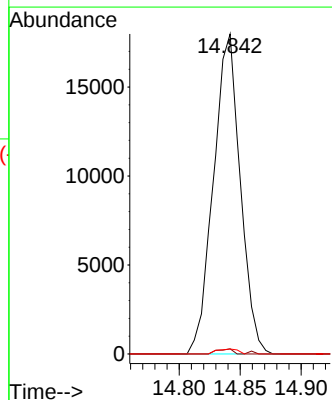
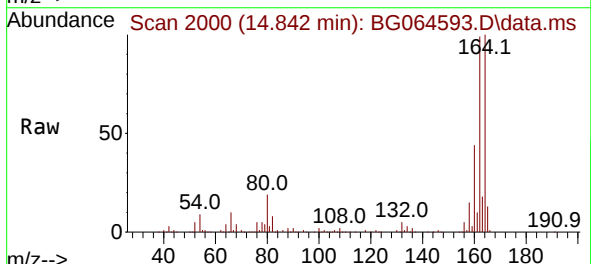
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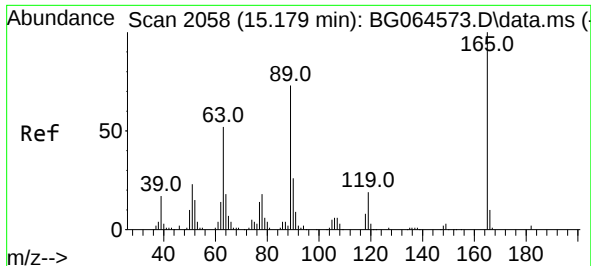
Tgt Ion: 65 Resp: 1189
Ion Ratio Lower Upper
65 100
92 196.4 48.3 72.5#
138 31.4 74.9 112.3#



#51
2,6-Dinitrotoluene
Concen: 25.017 ng
RT: 14.842 min Scan# 2000
Delta R.T. 0.440 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:165 Resp: 27537
Ion Ratio Lower Upper
165 100
63 1.6 57.4 86.0#
89 1.6 47.8 71.8#

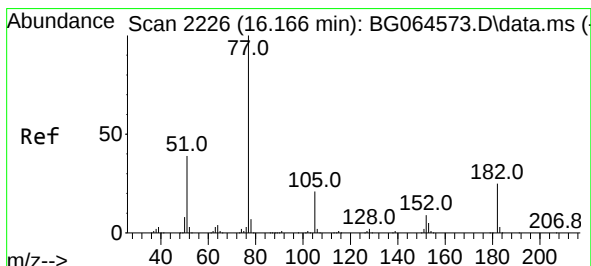
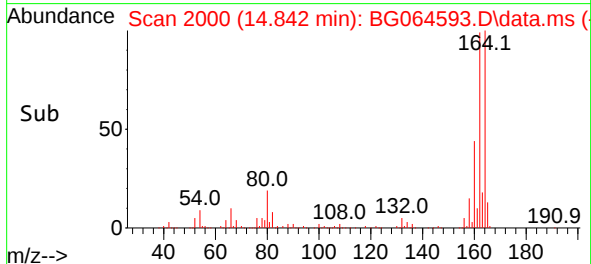
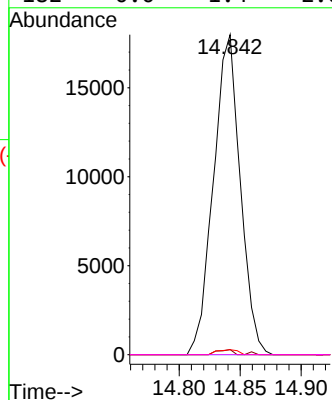
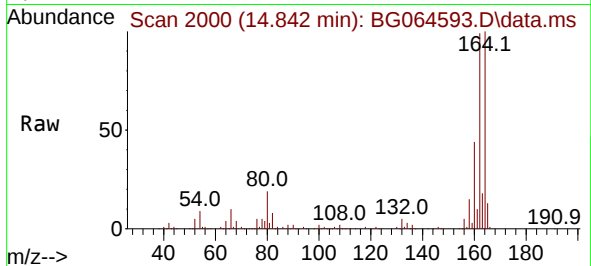




#57
2,4-Dinitrotoluene
Concen: 18.190 ng
RT: 14.842 min Scan# 20
Delta R.T. -0.347 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

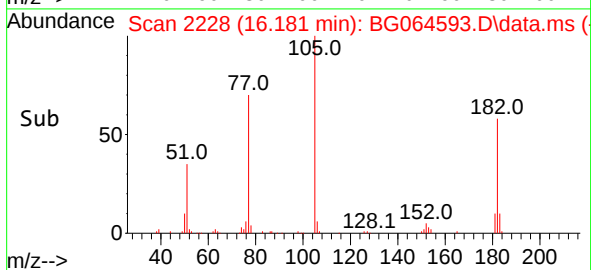
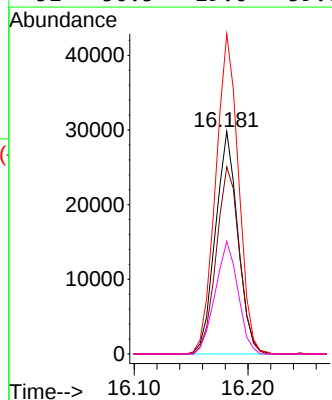
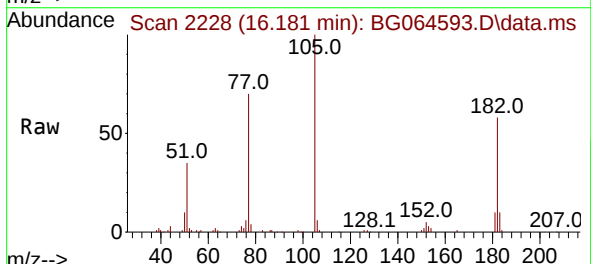
Instrument :
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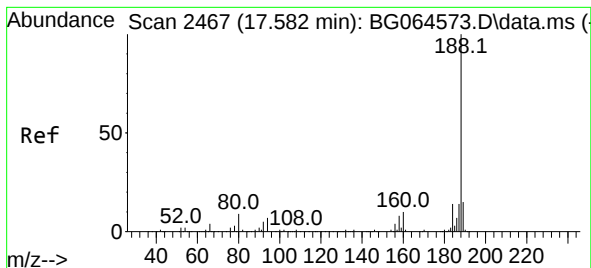
Tgt Ion:165 Resp: 27537
Ion Ratio Lower Upper
165 100
63 1.6 41.8 62.8#
89 1.6 58.1 87.1#
182 0.0 1.4 2.0#



#63
Azobenzene
Concen: 5.236 ng
RT: 16.181 min Scan# 2228
Delta R.T. 0.011 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion: 77 Resp: 41021
Ion Ratio Lower Upper
77 100
182 84.1 4.9 44.9#
105 143.8 1.3 41.3#
51 50.5 19.0 59.0





#64

Phenanthrene-d10

Concen: 40.000 ng

RT: 17.580 min Scan# 24

Delta R.T. -0.000 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-0760450

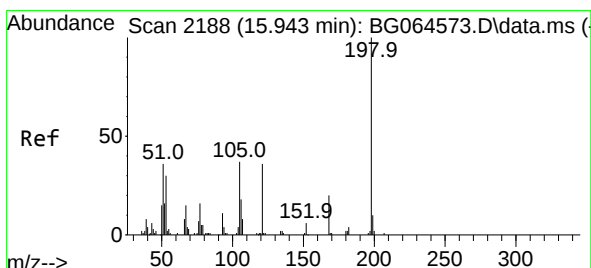
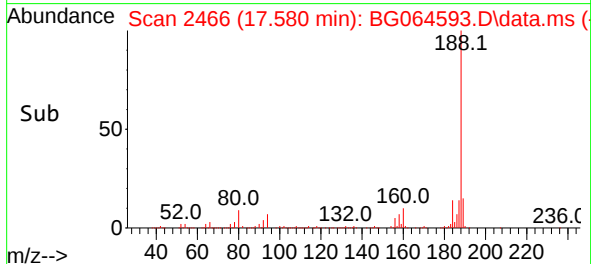
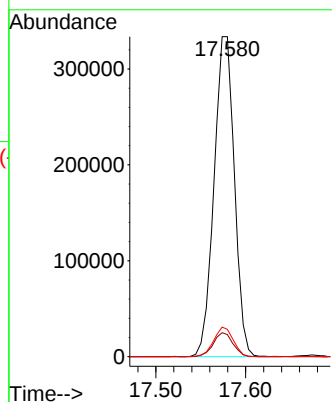
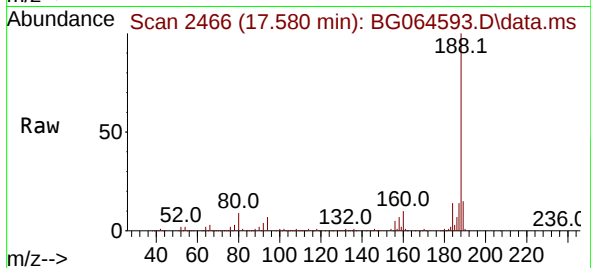
Tgt Ion:188 Resp: 525908

Ion Ratio Lower Upper

188 100

94 6.9 5.7 8.5

80 8.5 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 11.112 ng

RT: 16.311 min Scan# 2250

Delta R.T. 0.364 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

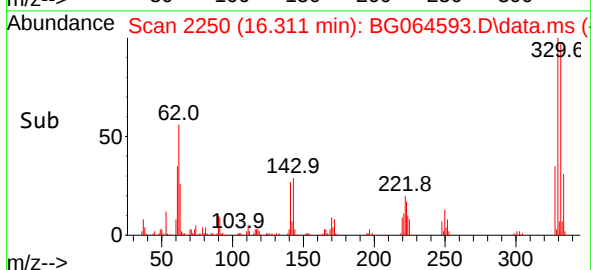
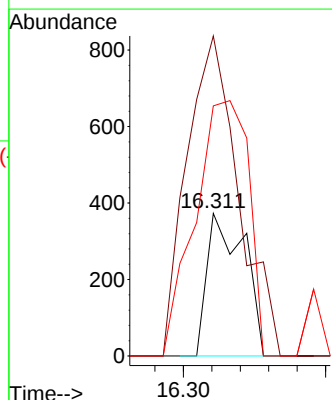
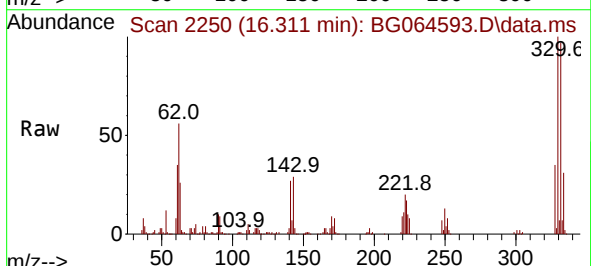
Tgt Ion:198 Resp: 338

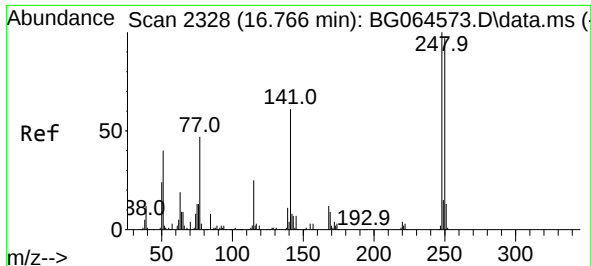
Ion Ratio Lower Upper

198 100

51 45.3 24.7 64.7

105 35.4 18.0 58.0

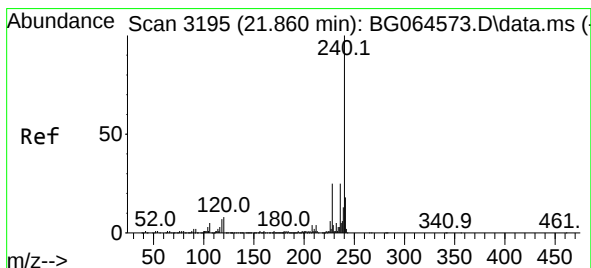
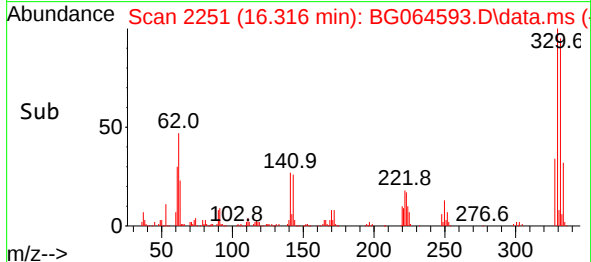
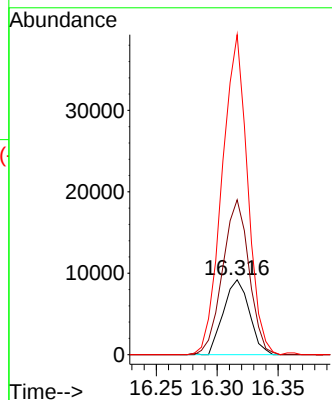
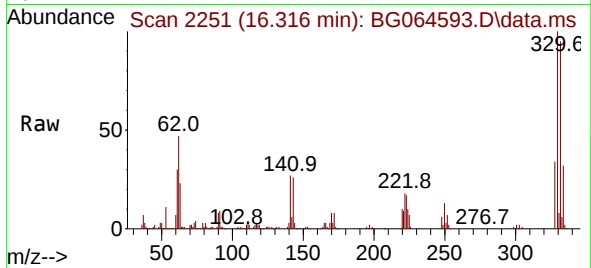




#67
4-Bromophenyl-phenylether
Concen: 4.387 ng
RT: 16.316 min Scan# 21
Delta R.T. -0.453 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

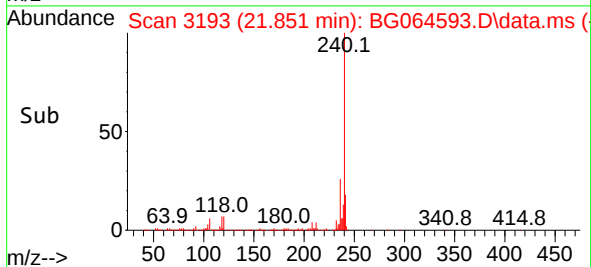
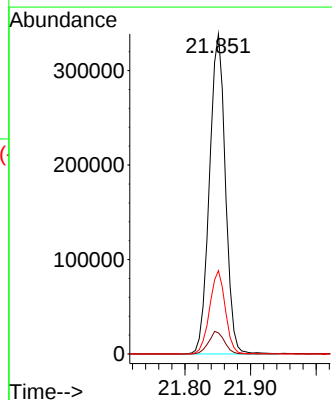
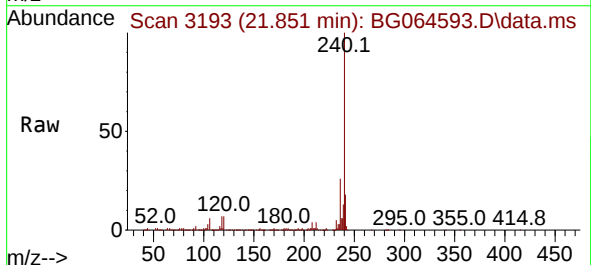
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

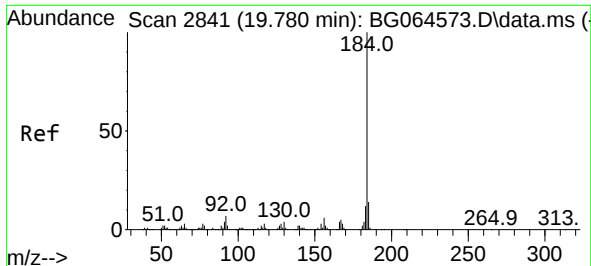
Tgt Ion:248 Resp: 13670
Ion Ratio Lower Upper
248 100
250 151.7 77.7 116.5#
141 313.4 48.6 72.8#



#76
Chrysene-d12
Concen: 40.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:240 Resp: 570907
Ion Ratio Lower Upper
240 100
120 6.6 6.5 9.7
236 26.1 20.2 30.2

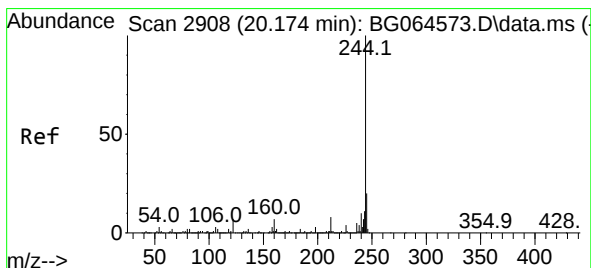
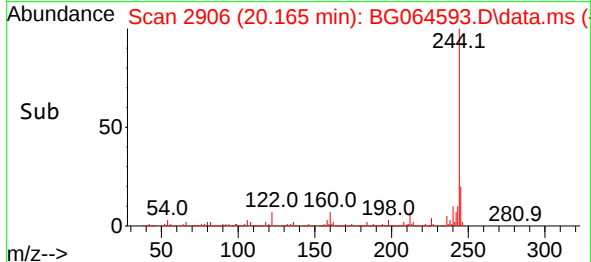
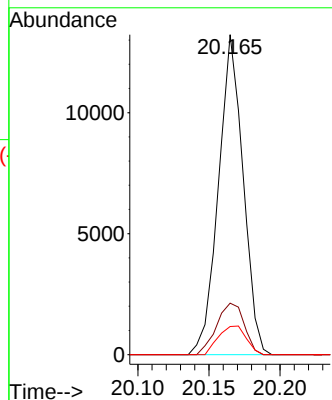
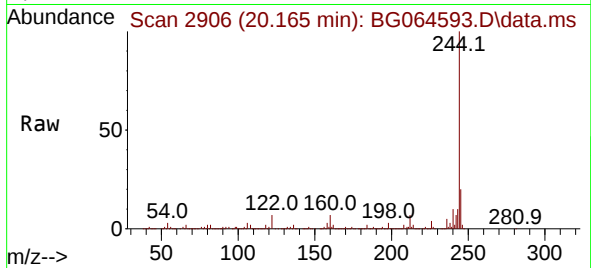




#77
Benzidine
Concen: 2.488 ng
RT: 20.165 min Scan# 2906
Delta R.T. 0.381 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

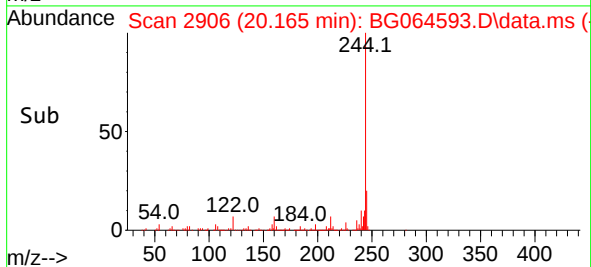
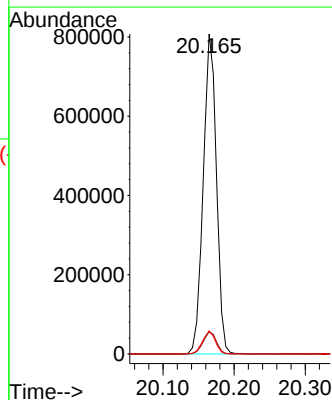
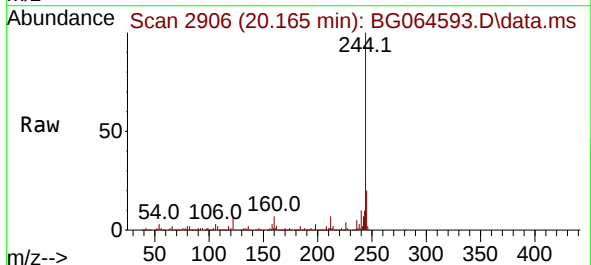
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

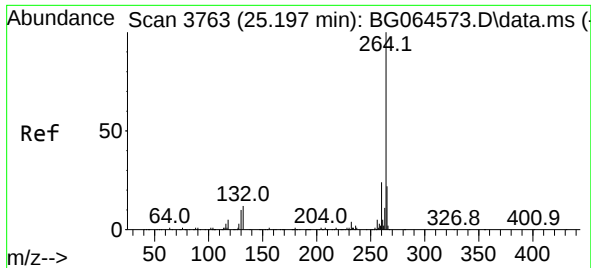
Tgt Ion:184 Resp: 15914
Ion Ratio Lower Upper
184 100
185 16.1 11.4 17.2
183 8.8 9.4 14.2#



#79
Terphenyl-d14
Concen: 68.948 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

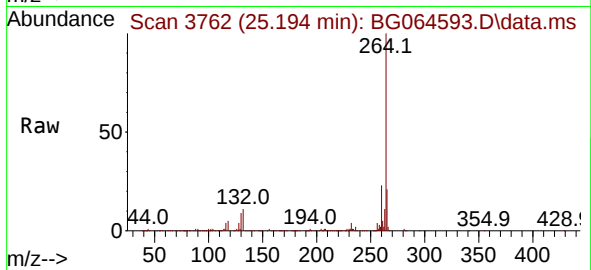
Tgt Ion:244 Resp: 1042911
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 7.2 5.6 8.4





#86
Perylene-d12
Concen: 40.000 ng
RT: 25.194 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450



Tgt Ion:264	Resp:	621637
Ion	Ratio	Lower Upper
264	100	
260	23.3	19.0 28.4
265	21.3	17.6 26.4

