

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064307.D
 Acq On : 8 Sep 2025 14:57
 Operator : RC/JU
 Sample : Q3023-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Sep 08 15:41:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

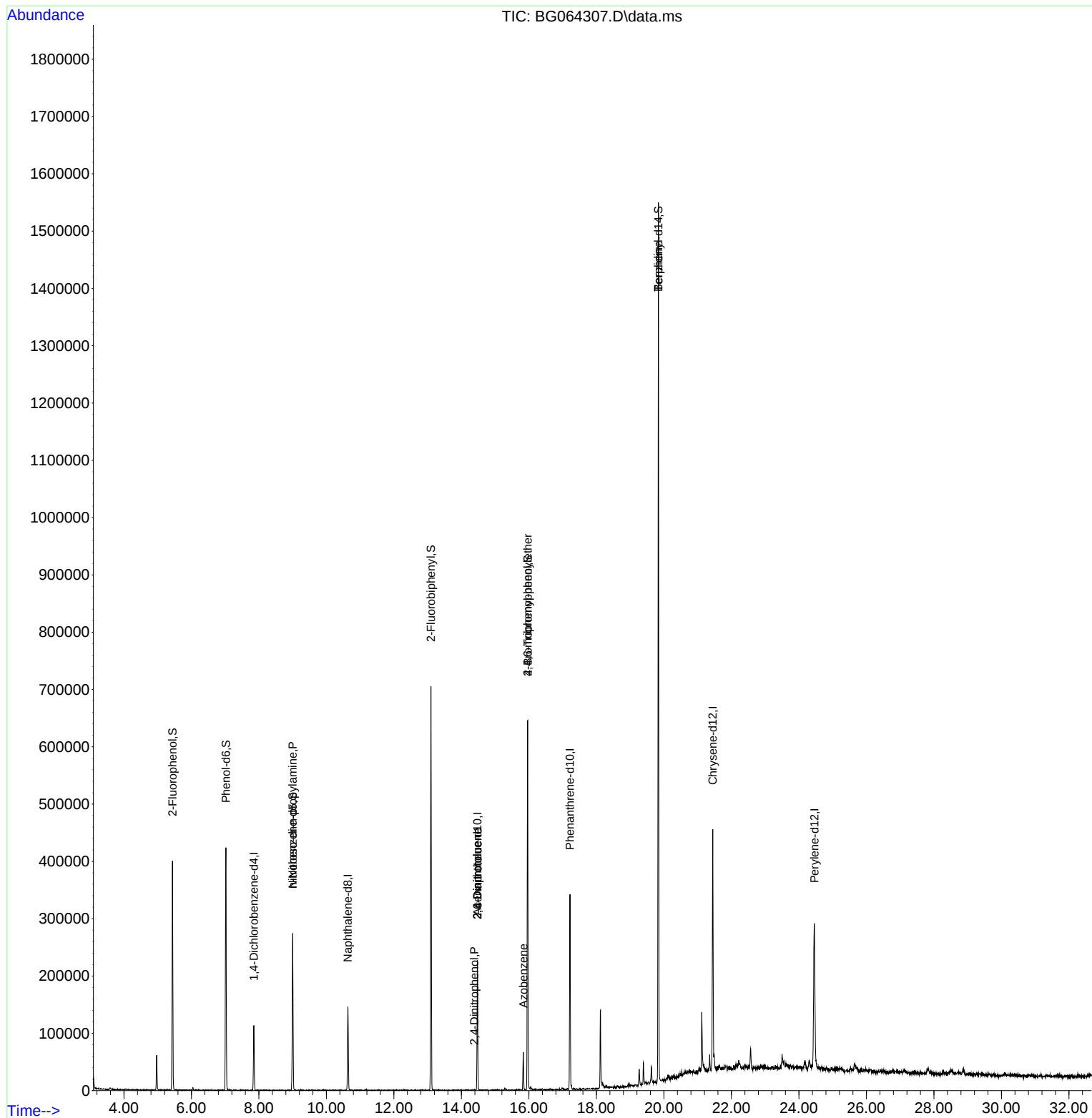
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.849	152	26960	20.000	ng	-0.01
21) Naphthalene-d8	10.634	136	112049	20.000	ng	-0.02
39) Acenaphthene-d10	14.471	164	77766	20.000	ng	-0.01
64) Phenanthrene-d10	17.214	188	196794	20.000	ng	#-0.01
76) Chrysene-d12	21.445	240	231122	20.000	ng	-0.01
86) Perylene-d12	24.459	264	259295	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	147811	98.363	ng	0.00
7) Phenol-d6	7.021	99	191596	92.807	ng	-0.01
23) Nitrobenzene-d5	9.001	82	136330	67.856	ng	-0.02
42) 2,4,6-Tribromophenol	15.963	330	124977	121.331	ng	-0.01
45) 2-Fluorobiphenyl	13.096	172	336420	66.031	ng	-0.02
79) Terphenyl-d14	19.835	244	704388	63.585	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.001	70	20243	12.812	ng	# 71
51) 2,6-Dinitrotoluene	14.477	165	10175	8.929	ng	# 16
54) 2,4-Dinitrophenol	14.382	184	65	5.733	ng	# 12
57) 2,4-Dinitrotoluene	14.477	165	10175	5.905	ng	# 19
63) Azobenzene	15.834	77	17222	3.067	ng	# 1
67) 4-Bromophenyl-phenylether	15.963	248	8642	4.135	ng	# 1
77) Benzidine	19.835	184	13919	2.863	ng	# 95

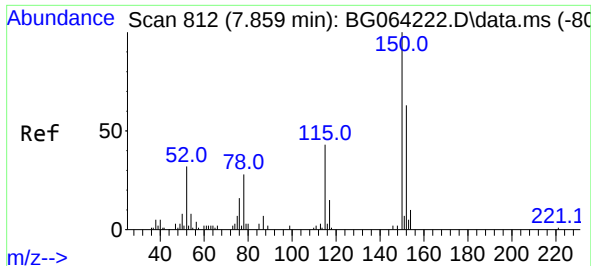
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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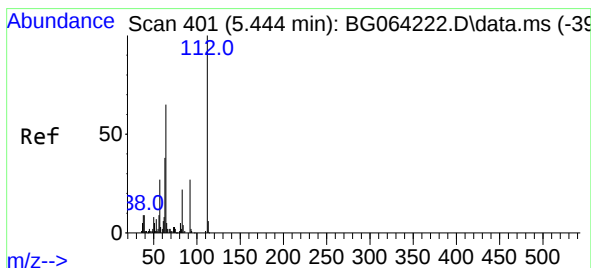
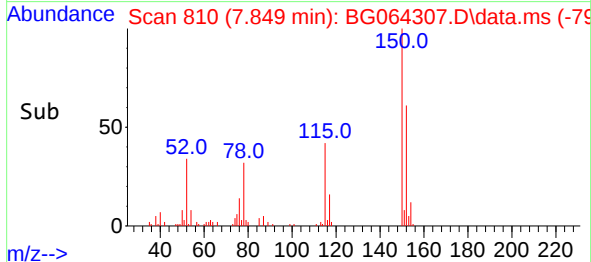
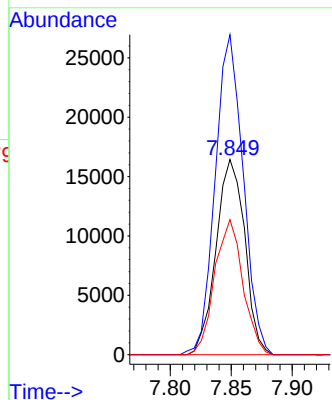
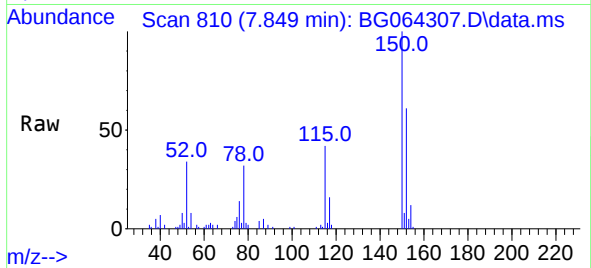




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.849 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

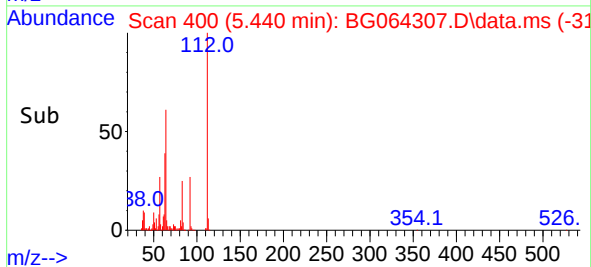
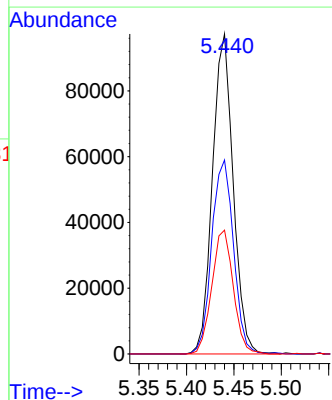
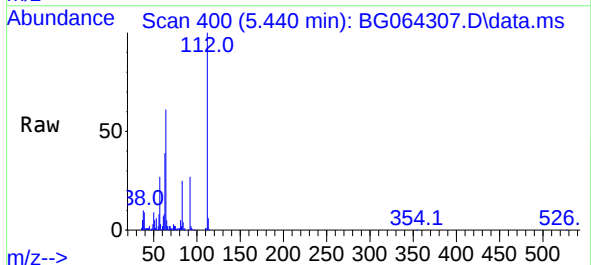
Instrument :
BNA_G
ClientSampleId :
TP-2

Tgt Ion:152 Resp: 26960
Ion Ratio Lower Upper
152 100
150 163.9 128.0 192.0
115 69.2 55.7 83.5

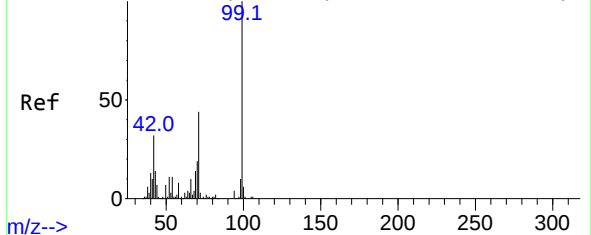


#5
2-Fluorophenol
Concen: 98.363 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

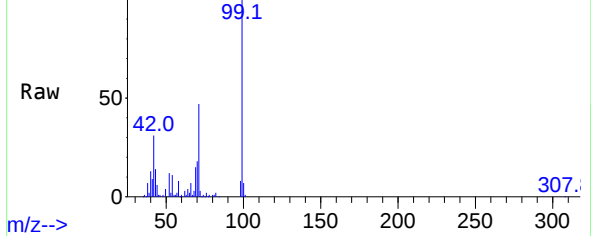
Tgt Ion:112 Resp: 147811
Ion Ratio Lower Upper
112 100
64 60.6 51.8 77.6
63 38.7 30.6 45.8



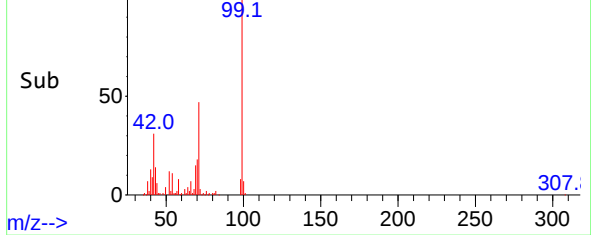
Abundance Scan 670 (7.025 min): BG064222.D\data.ms (-66



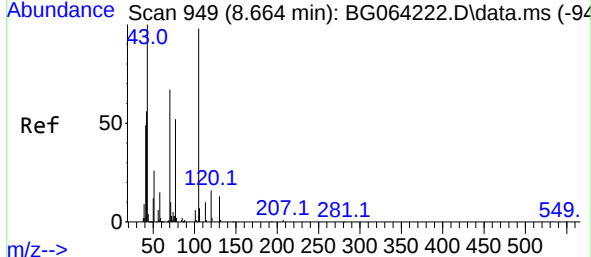
Ref 50 42.0 99.1 307.1



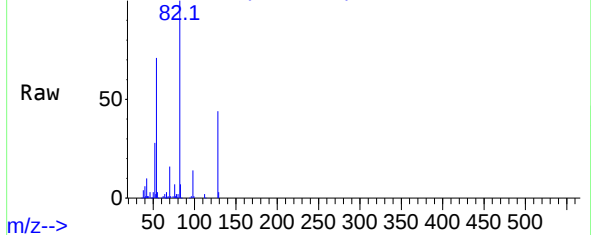
Raw 50 42.0 99.1 307.1



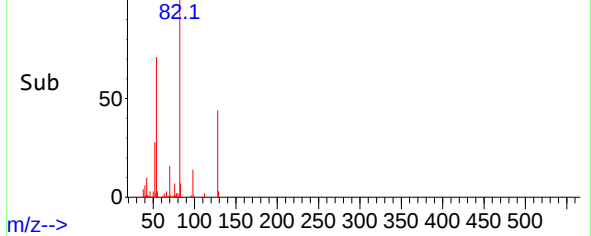
Sub 50 42.0 99.1 307.1



Ref 50 43.0 120.1 207.1 281.1 549.1



Raw 50 82.1 101.1 130.1



Sub 50 82.1 101.1 130.1

#7

Phenol-d6

Concen: 92.807 ng

RT: 7.021 min Scan# 6

Delta R.T. -0.010 min

Lab File: BG064307.D

Acq: 8 Sep 2025 14:57

Instrument :

BNA_G

ClientSampleId :

TP-2

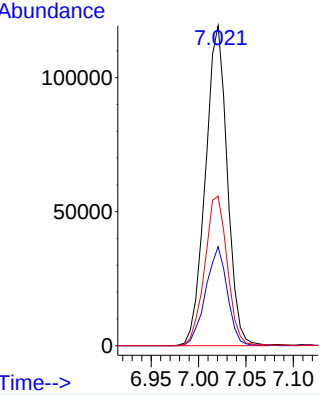
Tgt Ion: 99 Resp: 191596

Ion Ratio Lower Upper

99 100

42 31.0 25.8 38.8

71 46.7 35.2 52.8



#19

n-Nitroso-di-n-propylamine

Concen: 12.812 ng

RT: 9.001 min Scan# 1006

Delta R.T. 0.336 min

Lab File: BG064307.D

Acq: 8 Sep 2025 14:57

Tgt Ion: 70 Resp: 20243

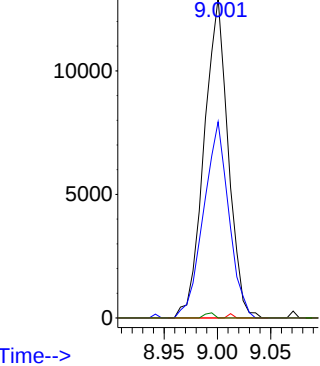
Ion Ratio Lower Upper

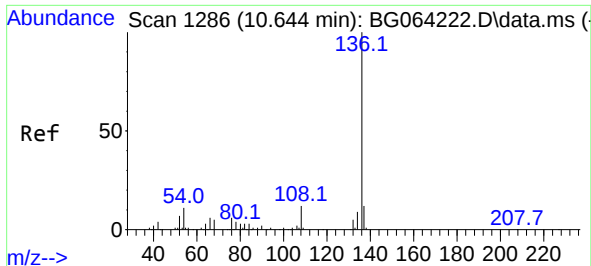
70 100

42 61.3 67.9 101.9#

101 0.0 7.3 10.9#

130 0.0 15.6 23.4#

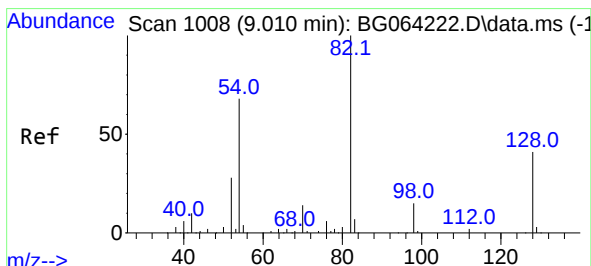
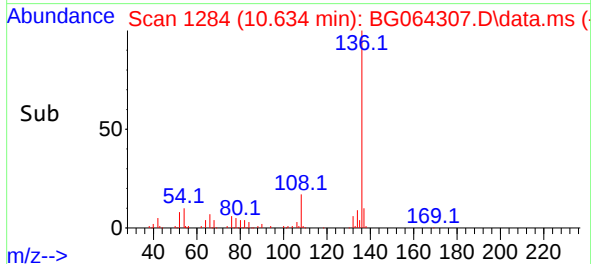
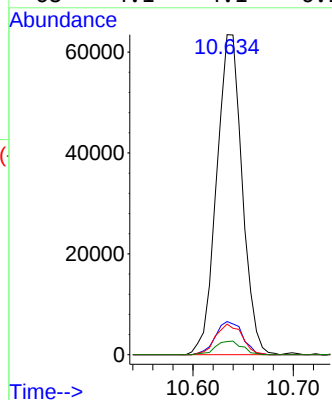
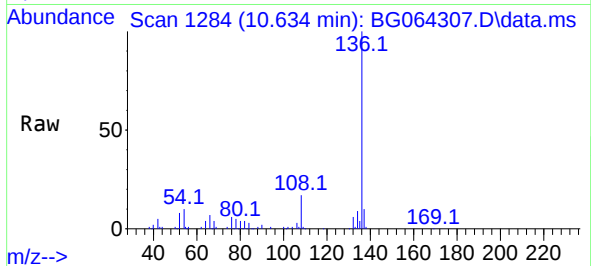




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.634 min Scan# 11
Delta R.T. -0.016 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

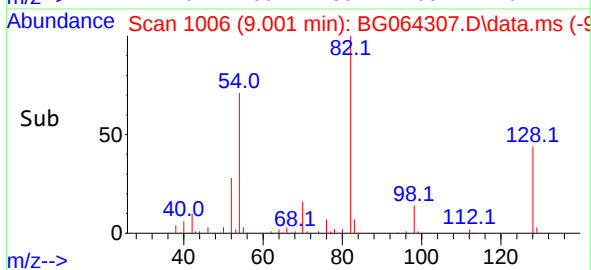
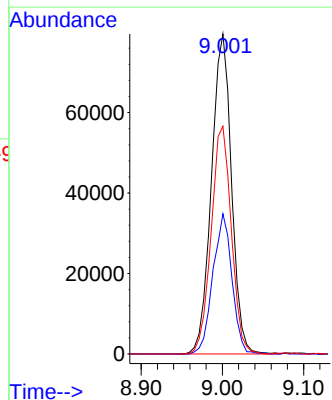
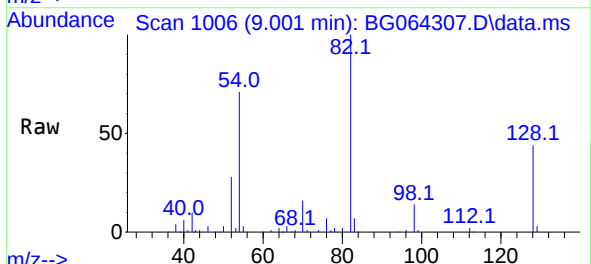
Instrument :
BNA_G
ClientSampleId :
TP-2

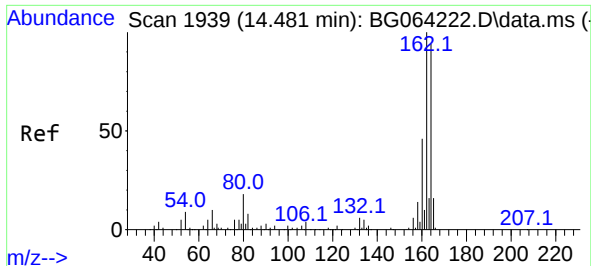
Tgt Ion:	136	Resp:	112049
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.6	14.4
54	9.6	8.8	13.2
68	4.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.856 ng
RT: 9.001 min Scan# 1006
Delta R.T. -0.016 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:	82	Resp:	136330
Ion	Ratio	Lower	Upper
82	100		
128	43.8	32.6	48.8
54	71.2	54.7	82.1

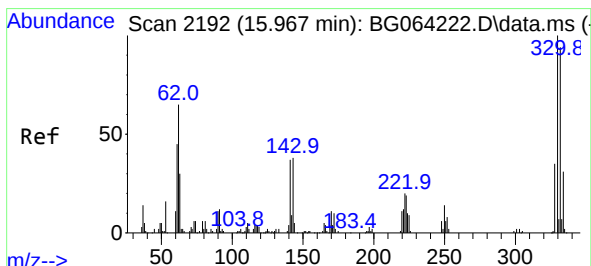
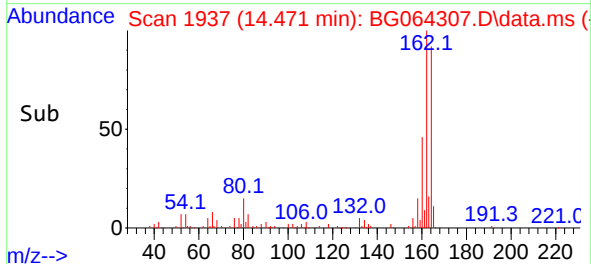
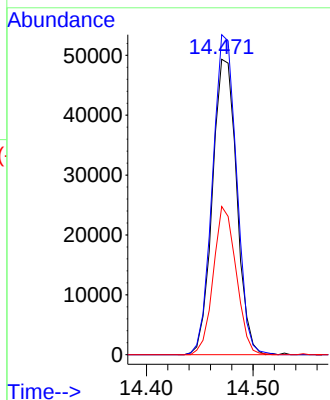
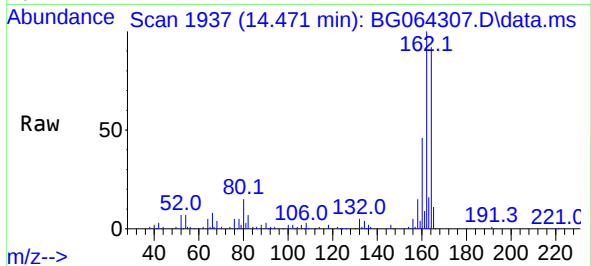




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.471 min Scan# 1937
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

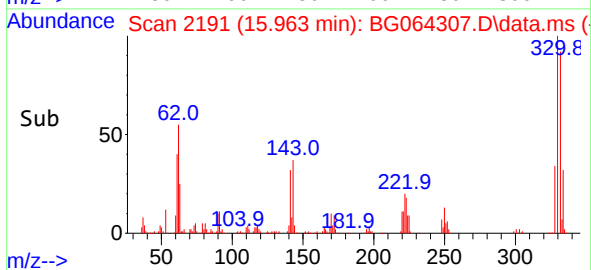
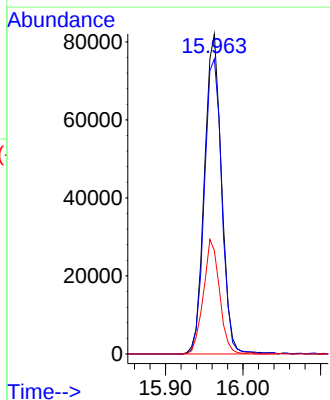
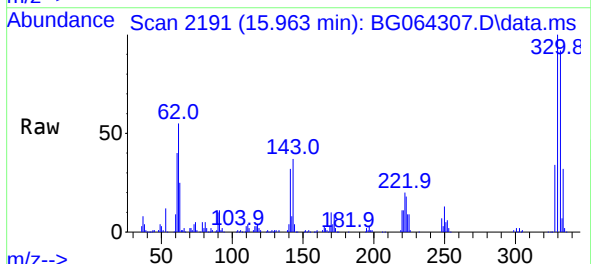
Instrument :
BNA_G
ClientSampleId :
TP-2

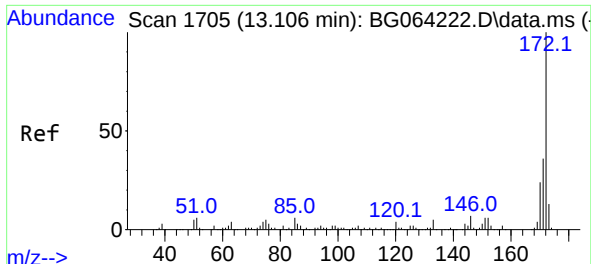
Tgt Ion:164 Resp: 77766
Ion Ratio Lower Upper
164 100
162 108.3 85.4 128.0
160 50.2 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 121.331 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:330 Resp: 124977
Ion Ratio Lower Upper
330 100
332 94.3 77.6 116.4
141 34.0 29.8 44.6

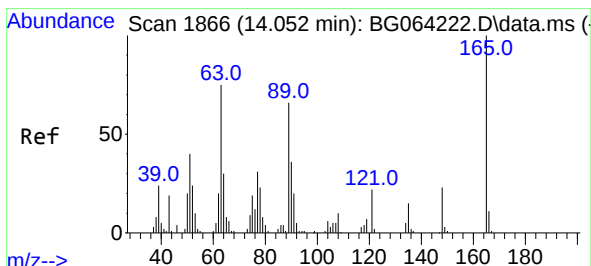
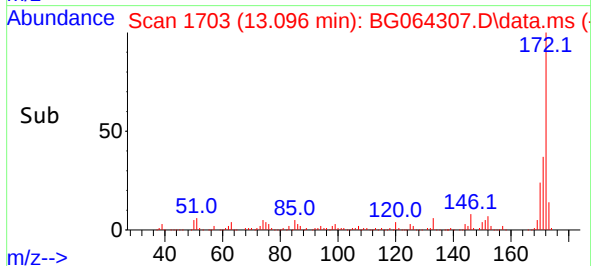
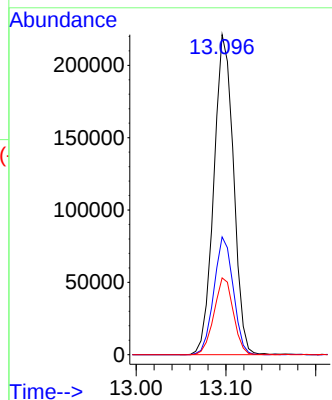
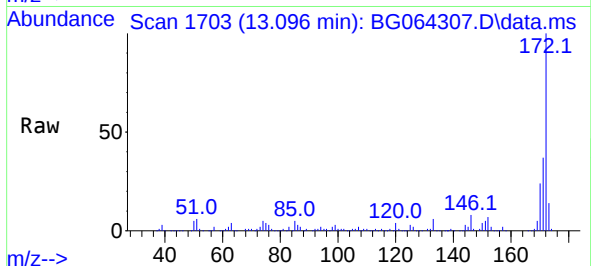




#45
2-Fluorobiphenyl
Concen: 66.031 ng
RT: 13.096 min Scan# 1
Delta R.T. -0.016 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

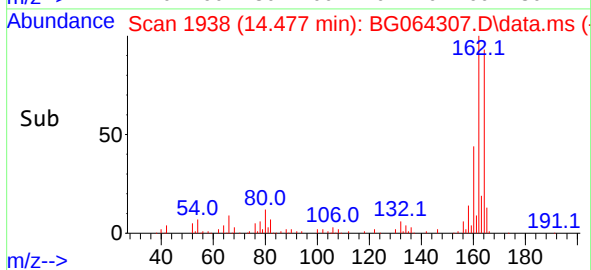
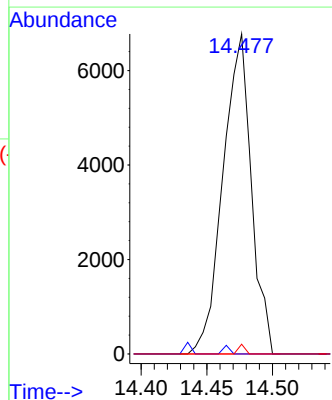
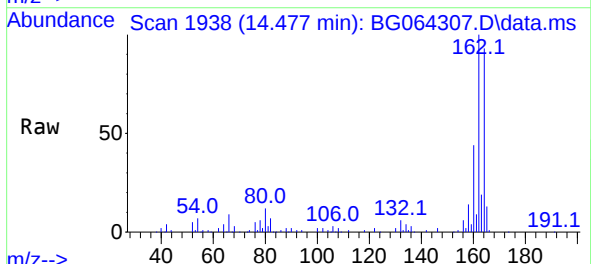
Instrument :
BNA_G
ClientSampleId :
TP-2

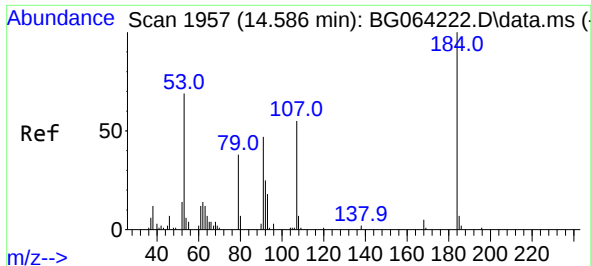
Tgt Ion:172 Resp: 336420
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 24.0 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.929 ng
RT: 14.477 min Scan# 1938
Delta R.T. 0.419 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:165 Resp: 10175
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 3.1 52.9 79.3#

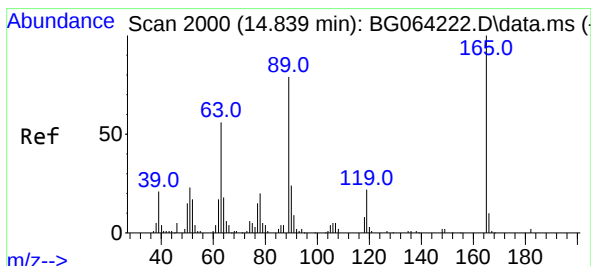
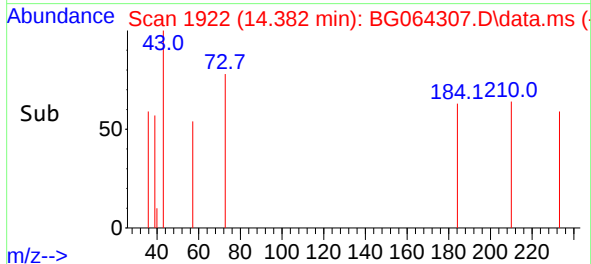
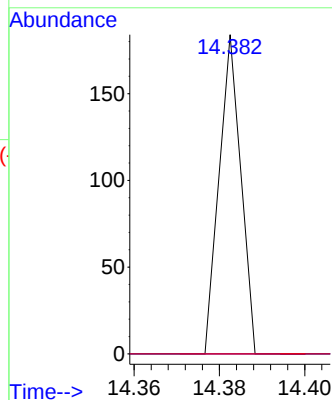
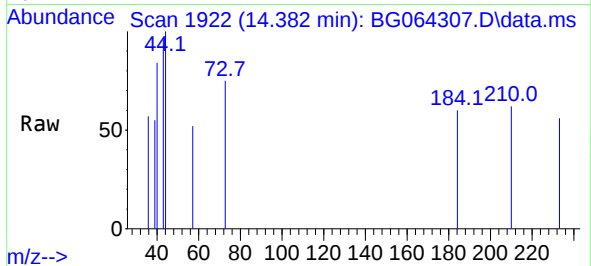




#54
2,4-Dinitrophenol
Concen: 5.733 ng
RT: 14.382 min Scan# 1957
Delta R.T. -0.210 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

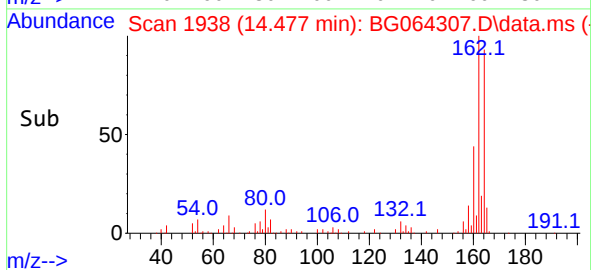
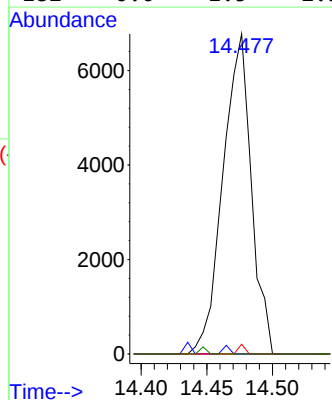
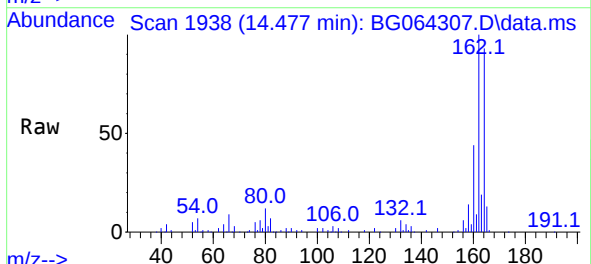
Instrument :
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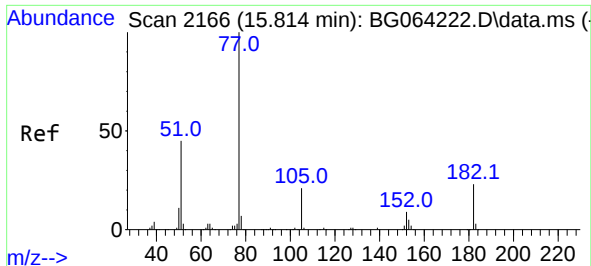
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 5.905 ng
RT: 14.477 min Scan# 1938
Delta R.T. -0.369 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:165 Resp: 10175
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 3.1 63.0 94.4#
182 0.0 1.5 2.3#

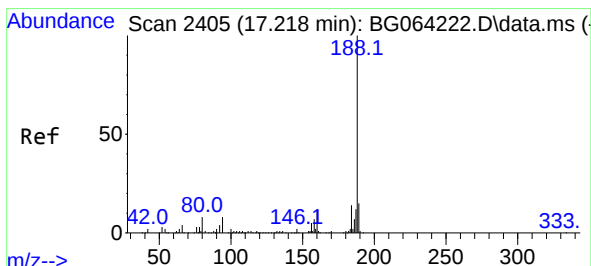
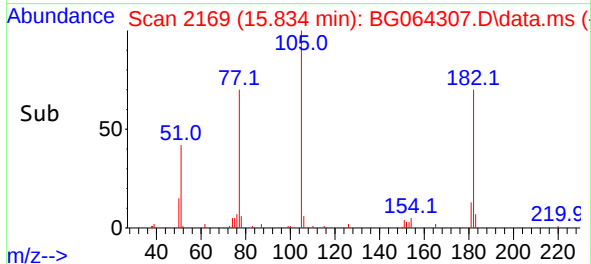
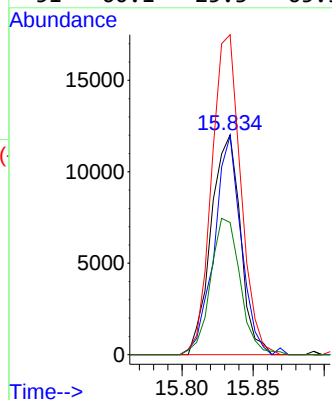
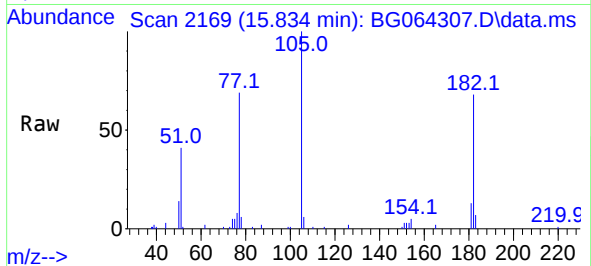




#63
Azobenzene
Concen: 3.067 ng
RT: 15.834 min Scan# 2166
Delta R.T. 0.013 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

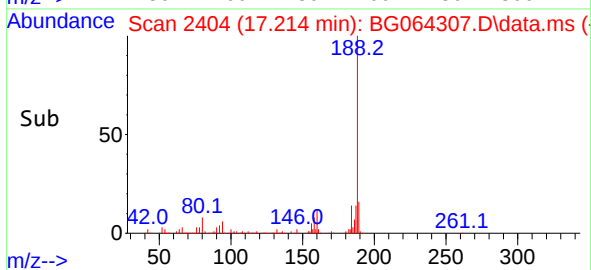
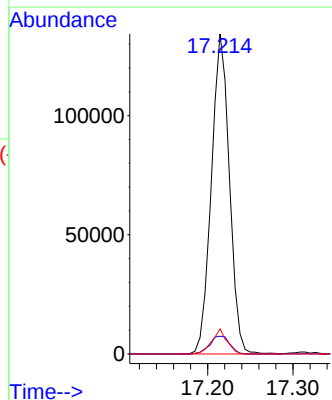
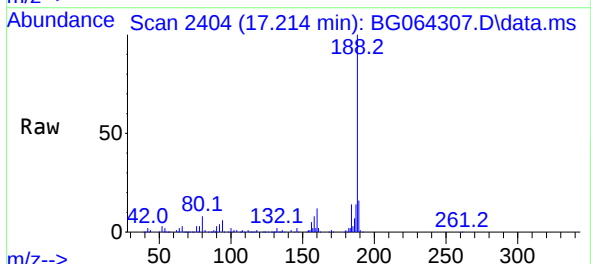
Instrument :
BNA_G
ClientSampleId :
TP-2

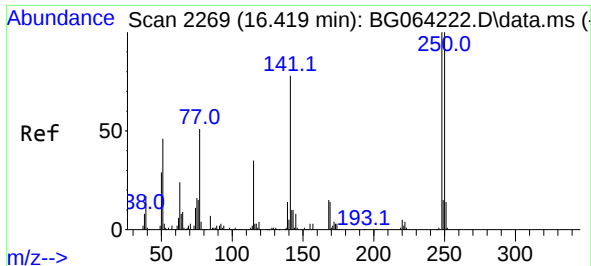
Tgt Ion: 77 Resp: 17222
Ion Ratio Lower Upper
77 100
182 99.6 3.3 43.3#
105 145.5 0.6 40.6#
51 60.1 25.3 65.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.214 min Scan# 2404
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

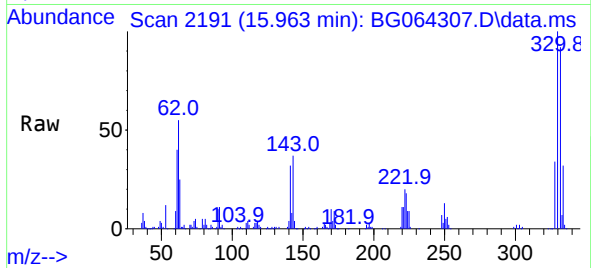
Tgt Ion:188 Resp: 196794
Ion Ratio Lower Upper
188 100
94 5.6 6.2 9.4#
80 7.9 6.8 10.2



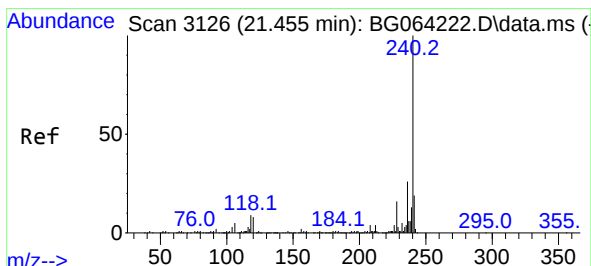
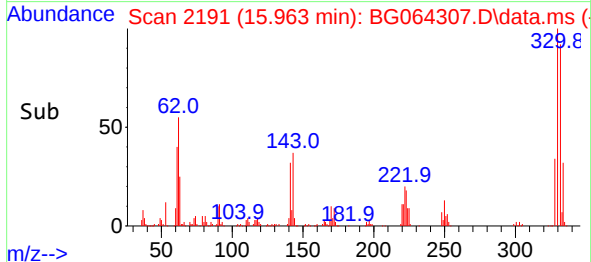
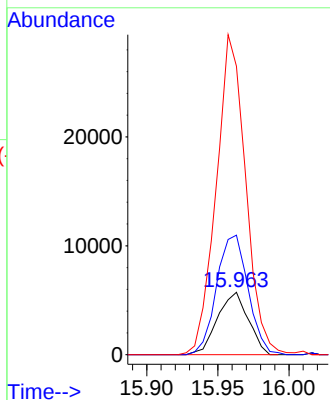


#67
4-Bromophenyl-phenylether
Concen: 4.135 ng
RT: 15.963 min Scan# 2191
Delta R.T. -0.457 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Instrument :
BNA_G
ClientSampleId :
TP-2

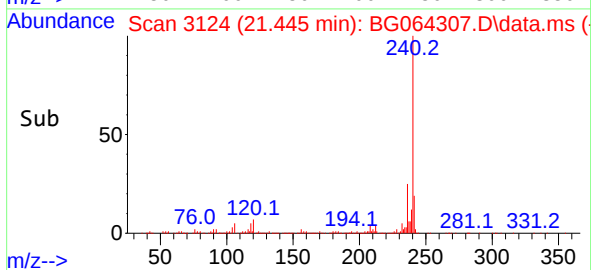
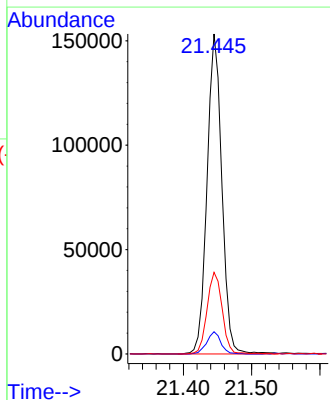
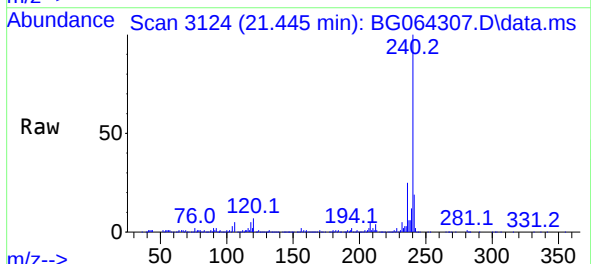


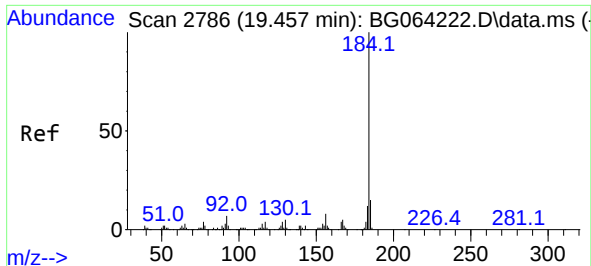
Tgt Ion:248 Resp: 8642
Ion Ratio Lower Upper
248 100
250 191.6 80.2 120.4#
141 462.2 62.4 93.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.445 min Scan# 3124
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:240 Resp: 231122
Ion Ratio Lower Upper
240 100
120 7.0 6.2 9.4
236 25.5 20.5 30.7

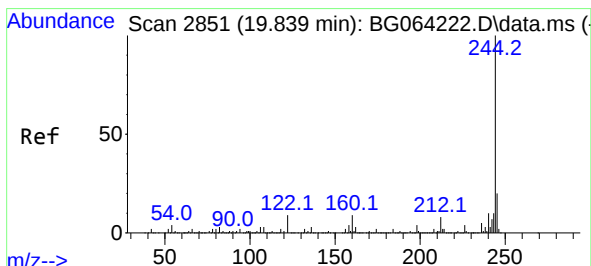
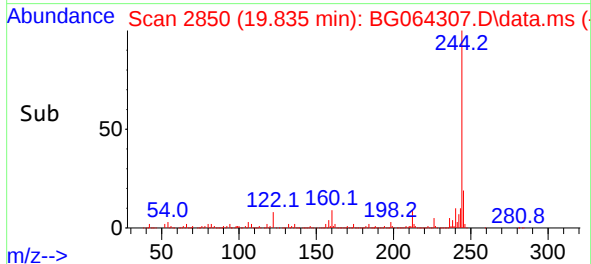
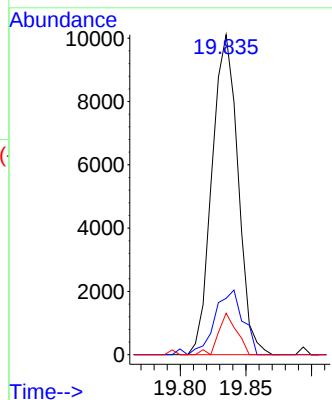
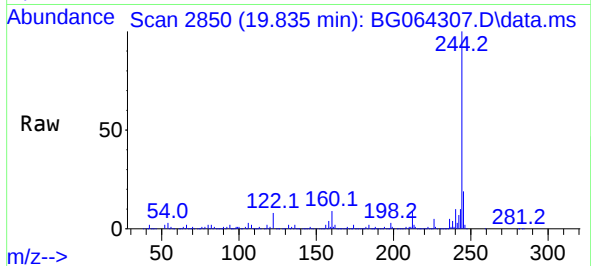




#77
Benzidine
Concen: 2.863 ng
RT: 19.835 min Scan# 21
Delta R.T. 0.378 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

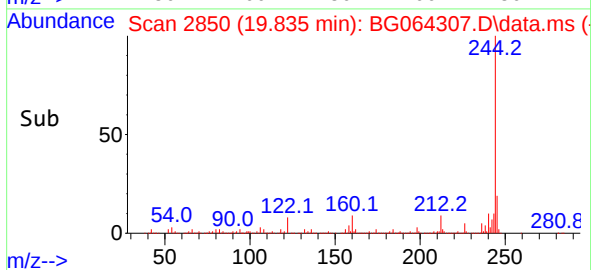
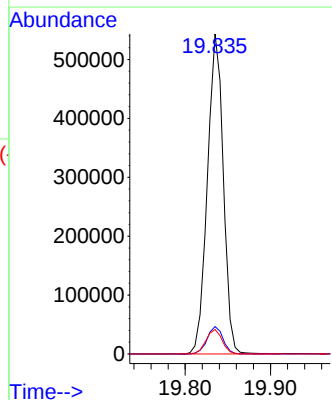
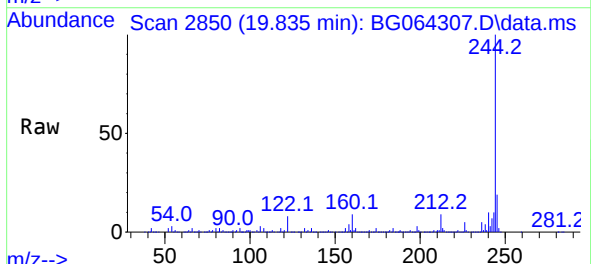
Instrument :
BNA_G
ClientSampleId :
TP-2

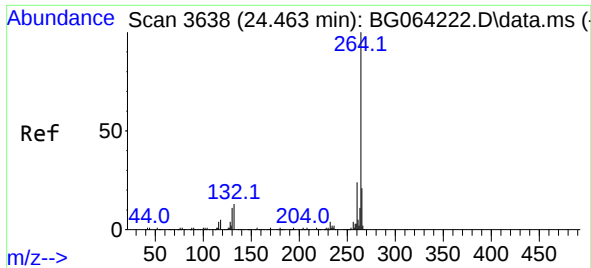
Tgt Ion:184 Resp: 13919
Ion Ratio Lower Upper
184 100
185 17.6 11.7 17.5#
183 12.9 9.7 14.5



#79
Terphenyl-d14
Concen: 63.585 ng
RT: 19.835 min Scan# 2850
Delta R.T. -0.010 min
Lab File: BG064307.D
Acq: 8 Sep 2025 14:57

Tgt Ion:244 Resp: 704388
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 7.6 7.0 10.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.459 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BG064307.D
 Acq: 8 Sep 2025 14:57

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Tgt Ion:264 Resp: 259295

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	22.5	16.7	25.1

