

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064308.D
 Acq On : 8 Sep 2025 15:38
 Operator : RC/JU
 Sample : Q3022-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 08 16:35:27 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)

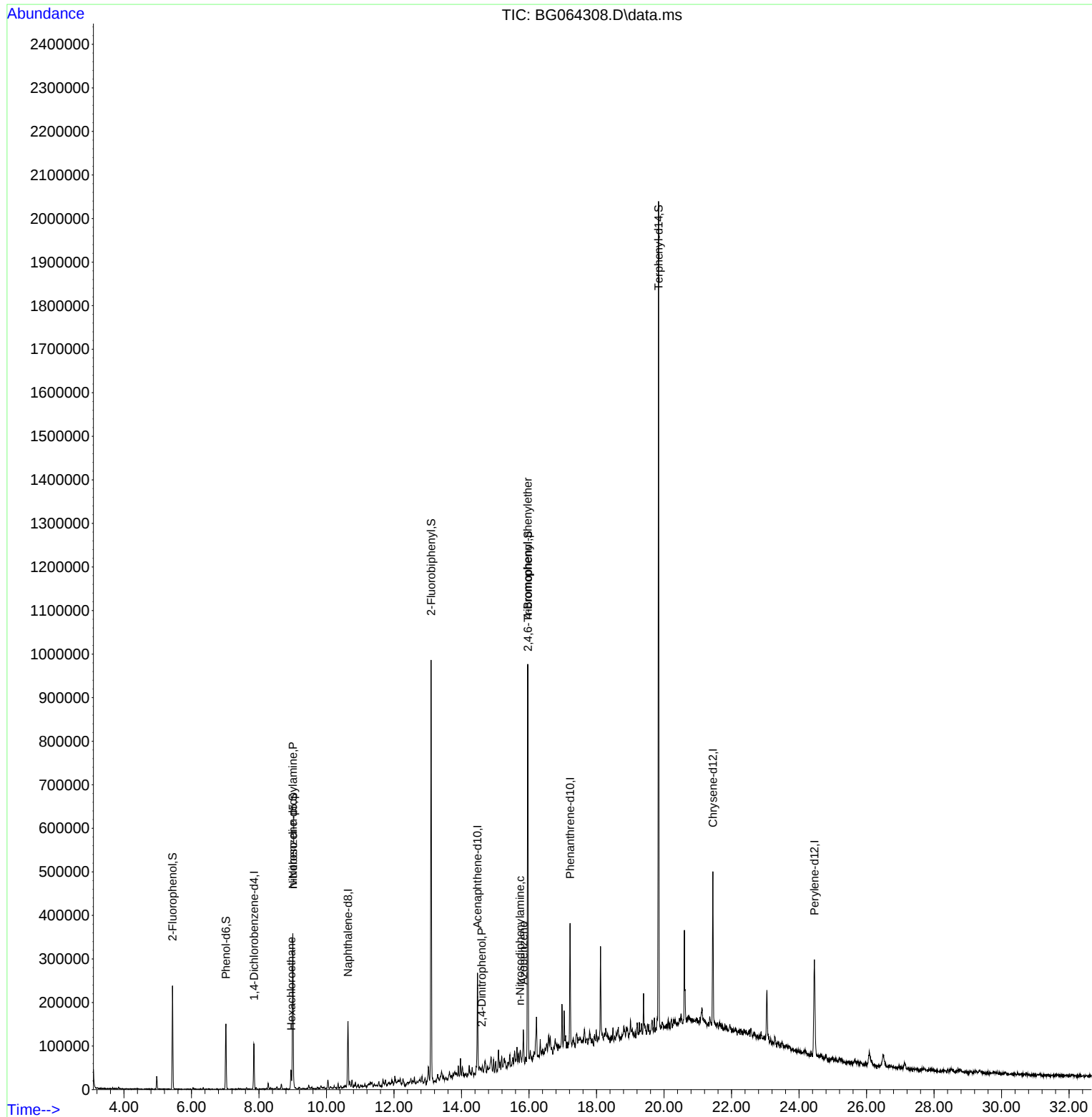
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	26248	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	112500	20.000	ng	#-0.01
39) Acenaphthene-d10	14.474	164	76851	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	173812	20.000	ng	# 0.00
76) Chrysene-d12	21.448	240	201101	20.000	ng	# 0.00
86) Perylene-d12	24.456	264	226638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.437	112	84832	57.984	ng	0.00
7) Phenol-d6	7.018	99	67757	33.711	ng	-0.01
23) Nitrobenzene-d5	9.004	82	185539	91.978	ng	-0.01
42) 2,4,6-Tribromophenol	15.966	330	162817	159.950	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	462212	91.801	ng	-0.01
79) Terphenyl-d14	19.838	244	890374	92.373	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	8.957	117	2091	2.791	ng	# 1
19) n-Nitroso-di-n-propyla...	9.004	70	27509	17.883	ng	# 72
54) 2,4-Dinitrophenol	14.597	184	55	5.721	ng	# 8
63) Azobenzene	15.831	77	14217	2.562	ng	# 6
66) n-Nitrosodiphenylamine	15.737	169	9984	2.088	ng	# 50
67) 4-Bromophenyl-phenylether	15.960	248	11012	5.965	ng	# 1

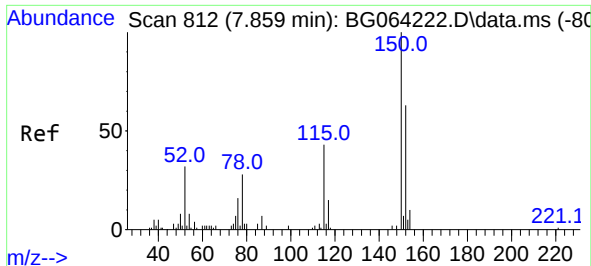
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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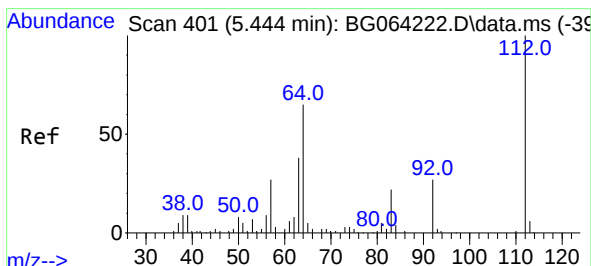
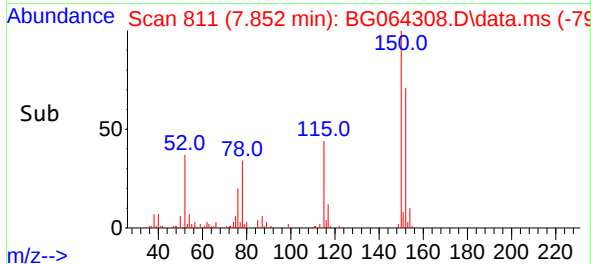
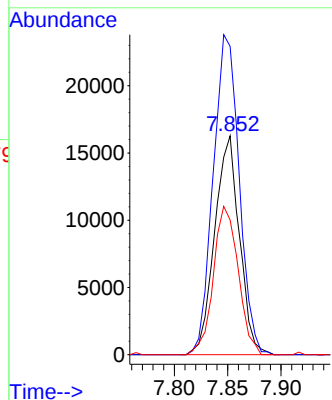
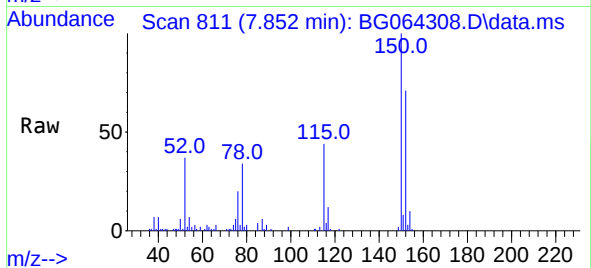




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

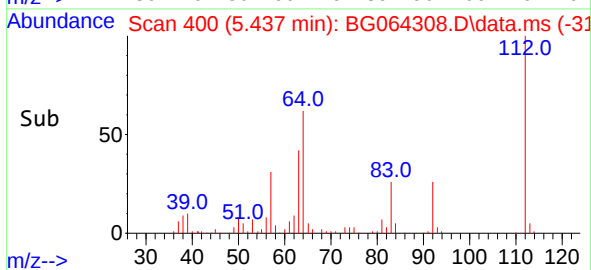
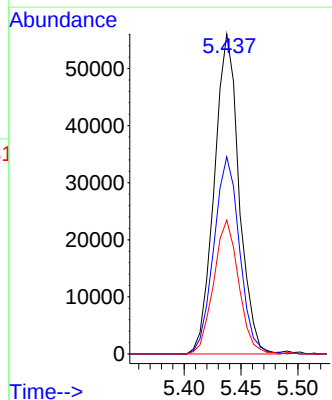
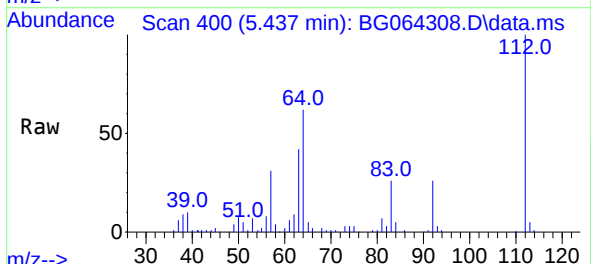
Instrument :
BNA_G
ClientSampleId :

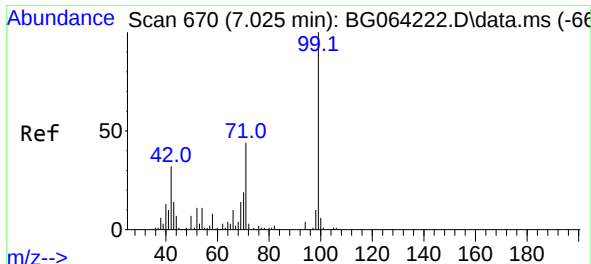
Tgt Ion:152 Resp: 26248
Ion Ratio Lower Upper
152 100
150 140.9 128.0 192.0
115 61.6 55.7 83.5



#5
2-Fluorophenol
Concen: 57.984 ng
RT: 5.437 min Scan# 400
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

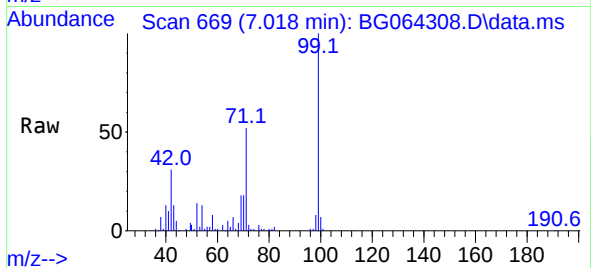
Tgt Ion:112 Resp: 84832
Ion Ratio Lower Upper
112 100
64 61.6 51.8 77.6
63 41.8 30.6 45.8



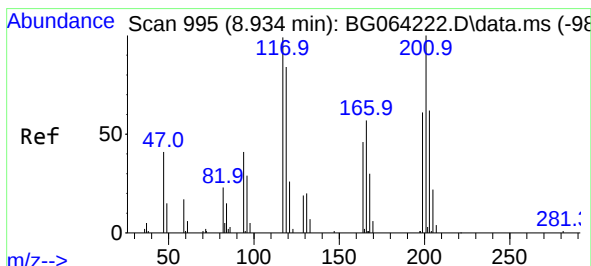
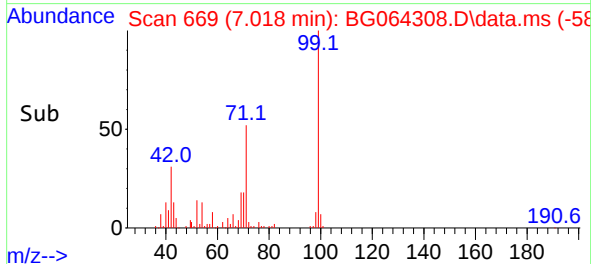
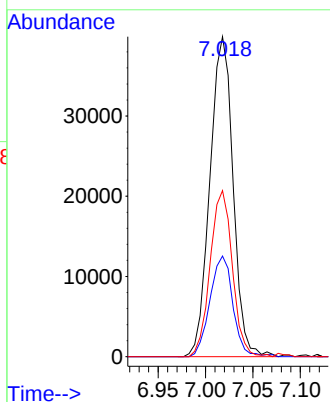


#7
Phenol-d6
Concen: 33.711 ng
RT: 7.018 min Scan# 670
Delta R.T. -0.013 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

Instrument :
BNA_G
ClientSampleId :

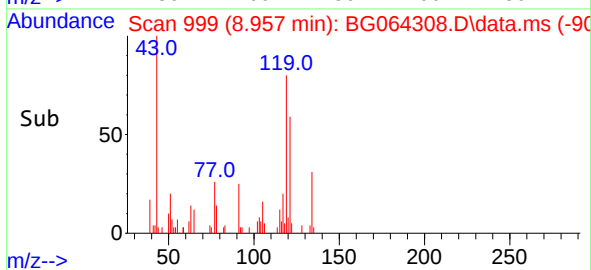
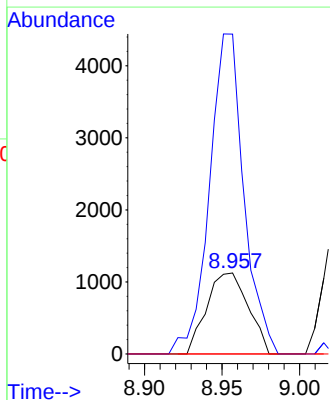
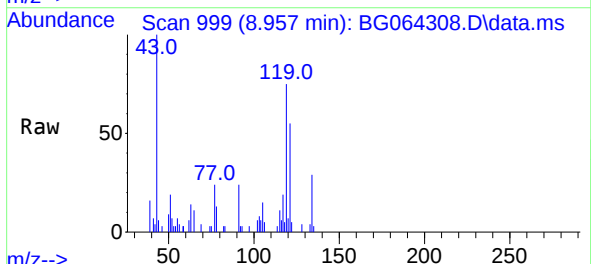


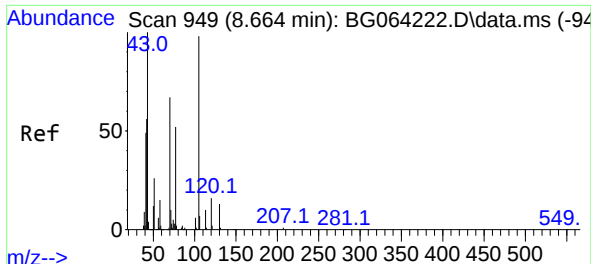
Tgt Ion: 99 Resp: 67757
Ion Ratio Lower Upper
99 100
42 31.5 25.8 38.8
71 51.9 35.2 52.8



#18
Hexachloroethane
Concen: 2.791 ng
RT: 8.957 min Scan# 999
Delta R.T. 0.022 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

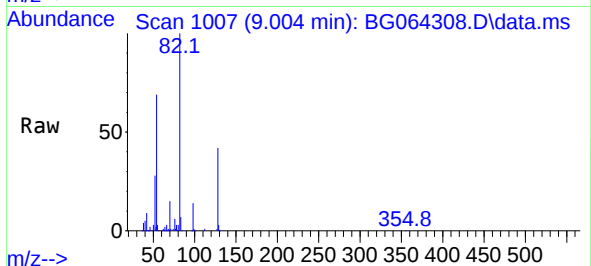
Tgt Ion: 117 Resp: 2091
Ion Ratio Lower Upper
117 100
119 394.7 67.9 101.9#
201 0.0 80.5 120.7#



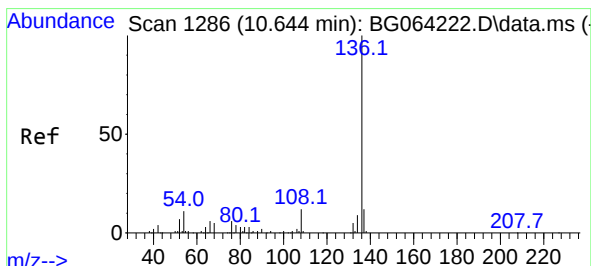
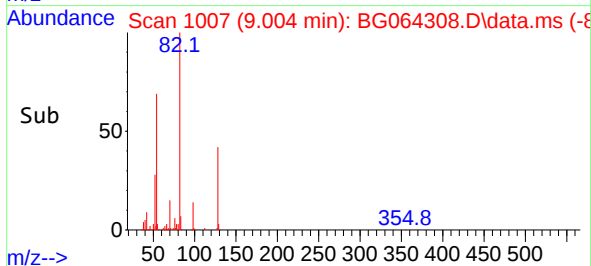
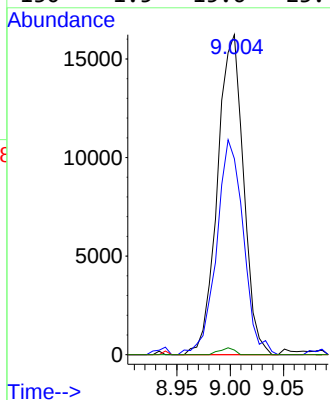


#19
n-Nitroso-di-n-propylamine
Concen: 17.883 ng
RT: 9.004 min Scan# 10
Delta R.T. 0.340 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

Instrument :
BNA_G
ClientSampleId :

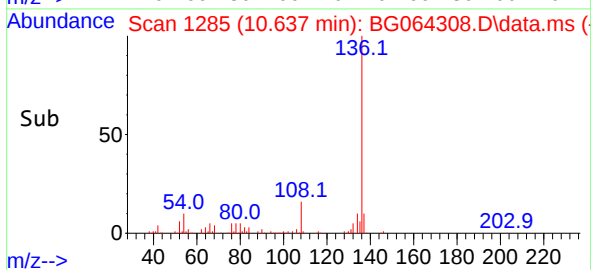
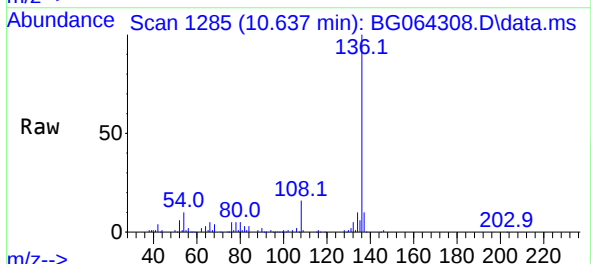
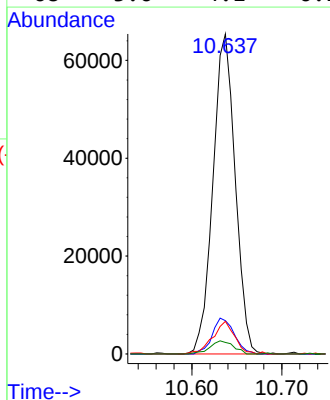


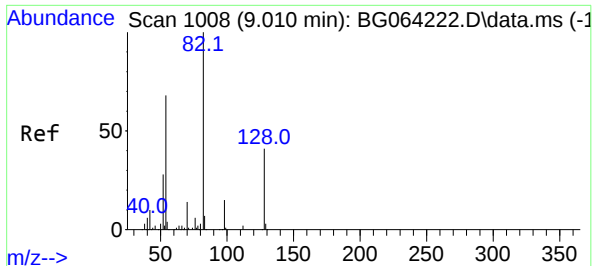
Tgt Ion: 70 Resp: 27509
Ion Ratio Lower Upper
70 100
42 61.3 67.9 101.9#
101 0.0 7.3 10.9#
130 1.5 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.637 min Scan# 1285
Delta R.T. -0.013 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

Tgt Ion:136 Resp: 112500
Ion Ratio Lower Upper
136 100
137 10.4 9.6 14.4
54 10.2 8.8 13.2
68 3.6 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 91.978 ng

RT: 9.004 min Scan# 1007

Delta R.T. -0.013 min

Lab File: BG064308.D

Acq: 8 Sep 2025 15:38

Instrument :

BNA_G

ClientSampleId :

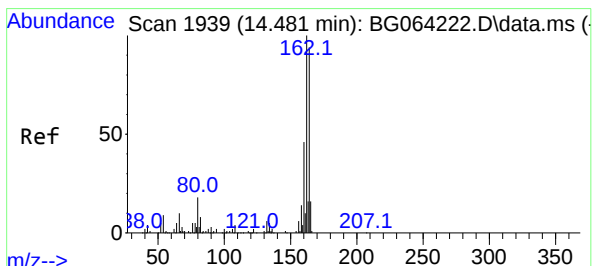
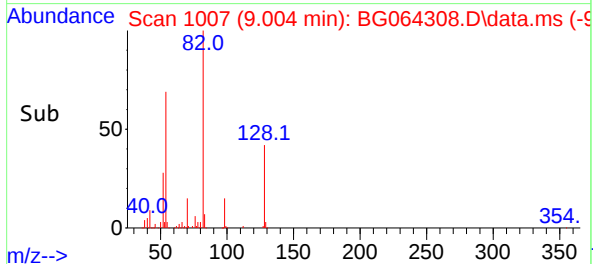
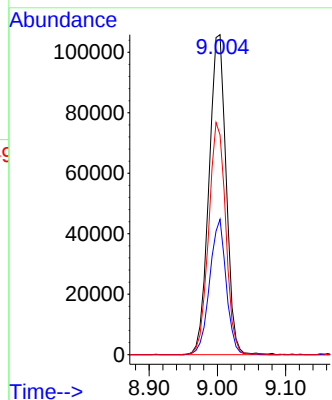
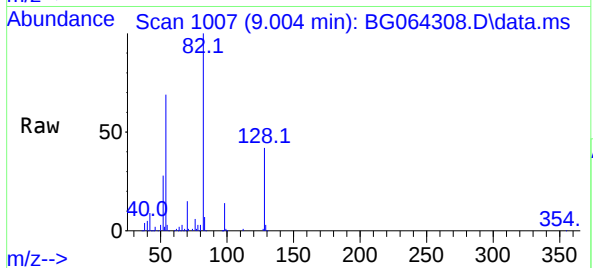
Tgt Ion: 82 Resp: 185539

Ion Ratio Lower Upper

82 100

128 42.3 32.6 48.8

54 68.7 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.474 min Scan# 1938

Delta R.T. -0.007 min

Lab File: BG064308.D

Acq: 8 Sep 2025 15:38

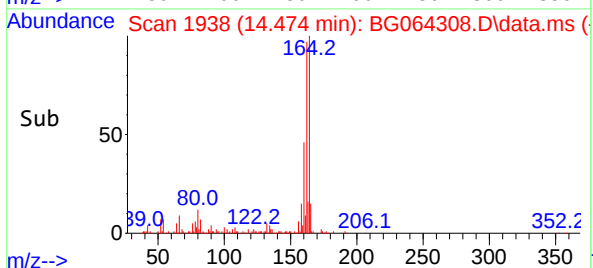
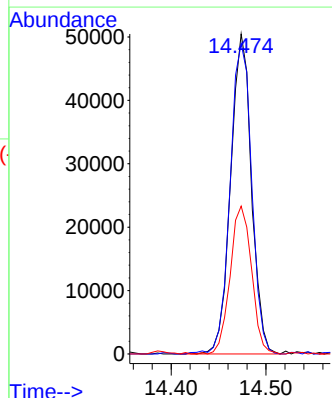
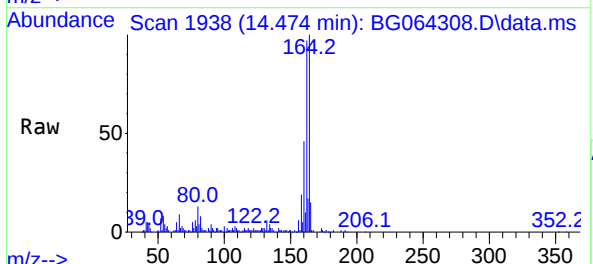
Tgt Ion:164 Resp: 76851

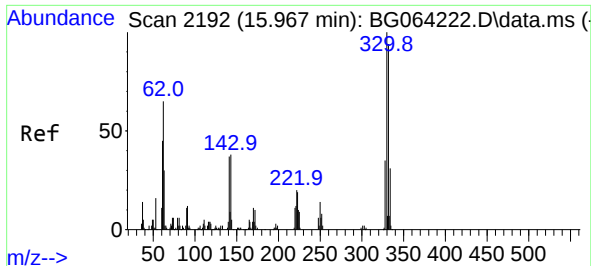
Ion Ratio Lower Upper

164 100

162 97.0 85.4 128.0

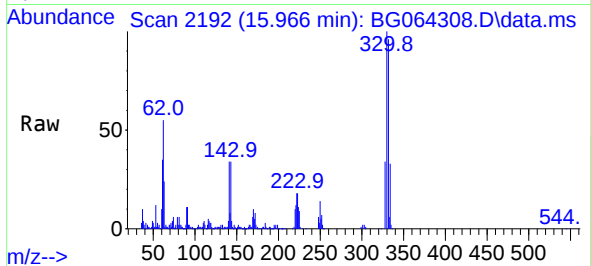
160 46.2 39.2 58.8



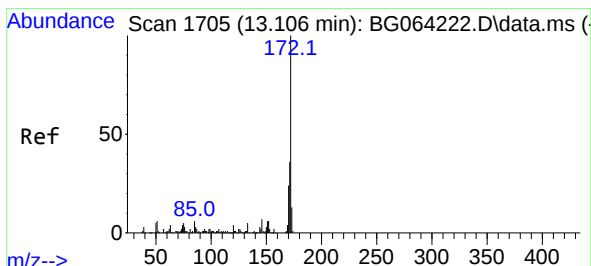
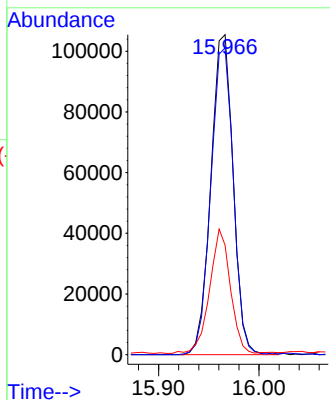
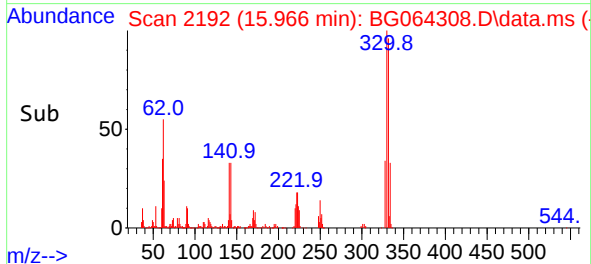


#42
2,4,6-Tribromophenol
Concen: 159.950 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

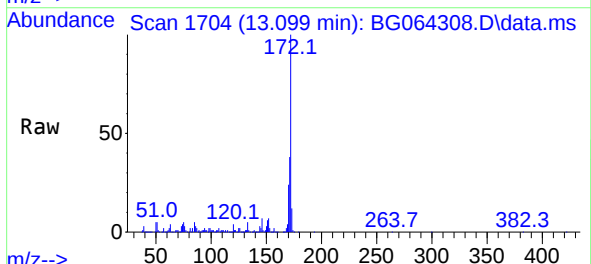
Instrument :
BNA_G
ClientSampleId :



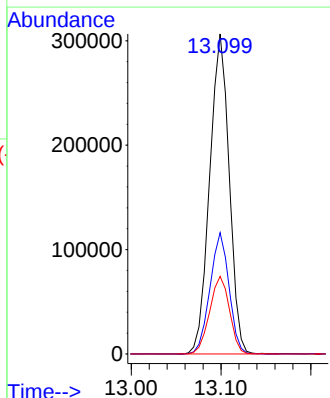
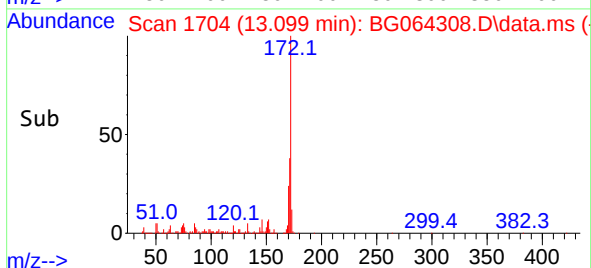
Tgt Ion:330 Resp: 162817
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 36.1 29.8 44.6

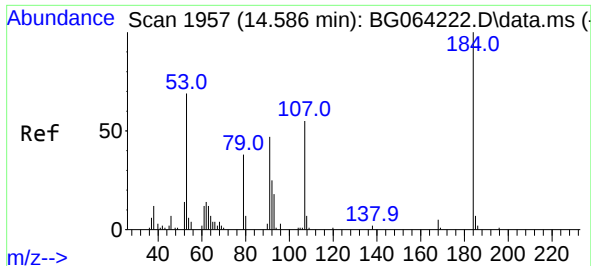


#45
2-Fluorobiphenyl
Concen: 91.801 ng
RT: 13.099 min Scan# 1704
Delta R.T. -0.013 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38



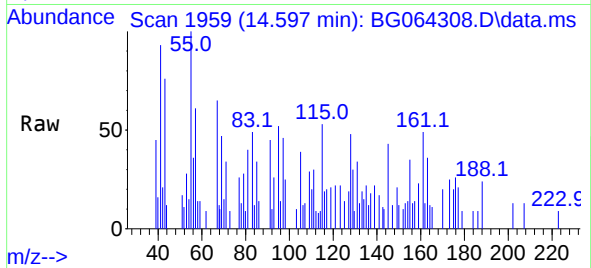
Tgt Ion:172 Resp: 462212
Ion Ratio Lower Upper
172 100
171 37.9 28.7 43.1
170 24.2 19.0 28.6



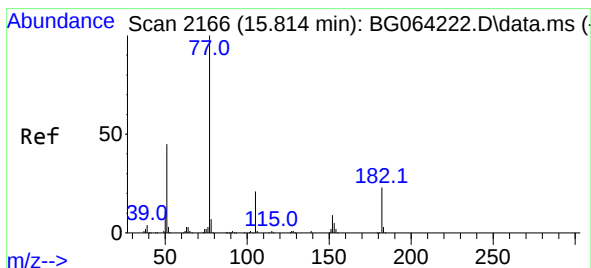
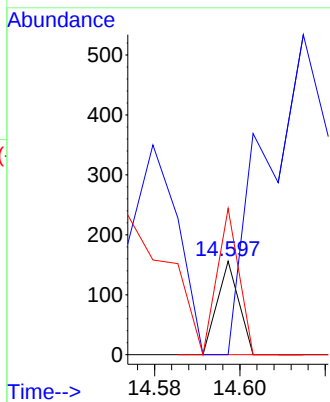
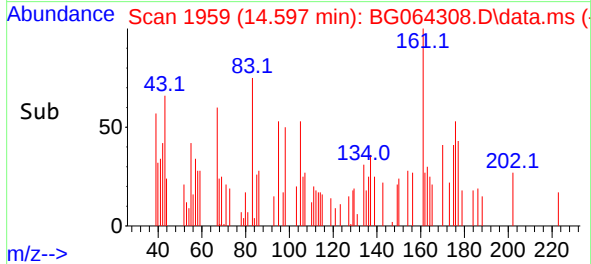


#54
2,4-Dinitrophenol
Concen: 5.721 ng
RT: 14.597 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

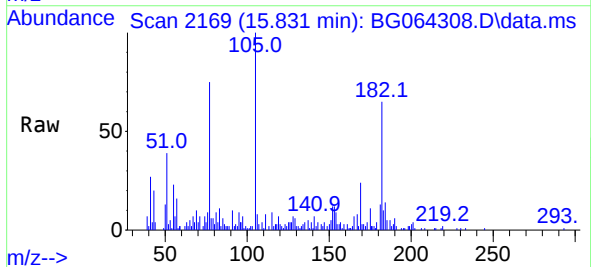
Instrument :
BNA_G
ClientSampleId :



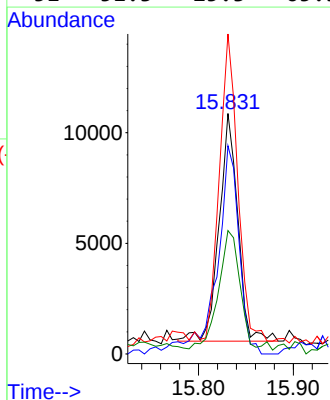
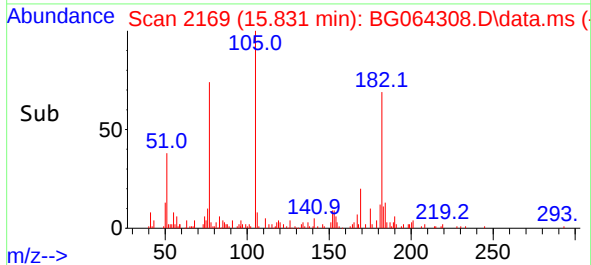
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 156.4 59.8 89.8#

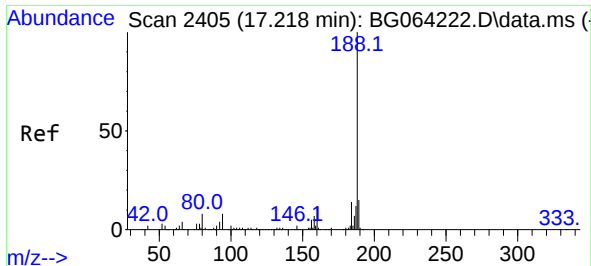


#63
Azobenzene
Concen: 2.562 ng
RT: 15.831 min Scan# 2169
Delta R.T. 0.011 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38



Tgt Ion: 77 Resp: 14217
Ion Ratio Lower Upper
77 100
182 86.6 3.3 43.3#
105 133.1 0.6 40.6#
51 51.3 25.3 65.3

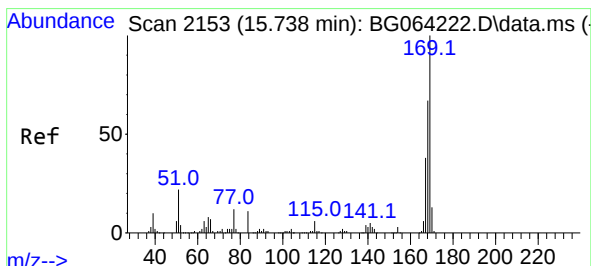
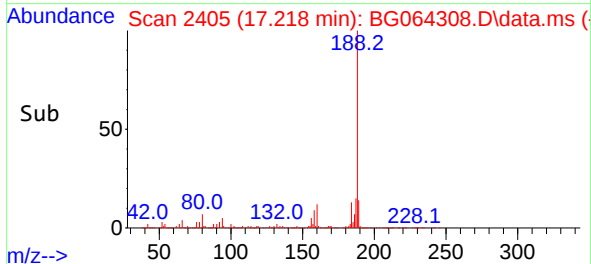
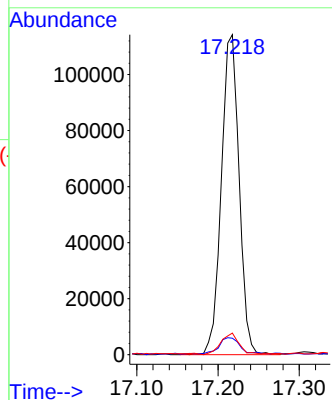
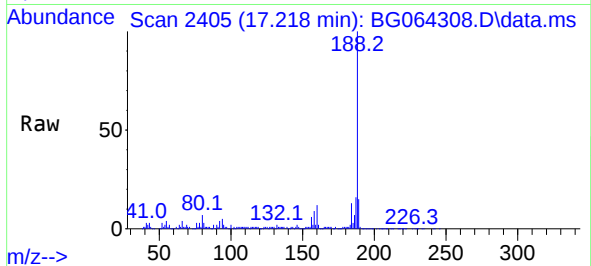




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.218 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

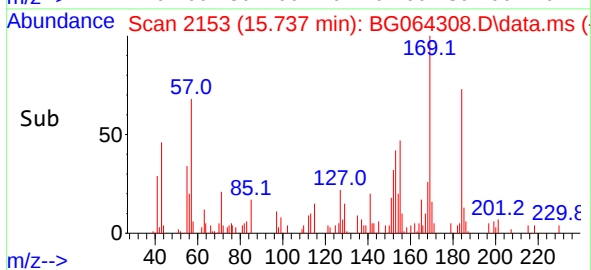
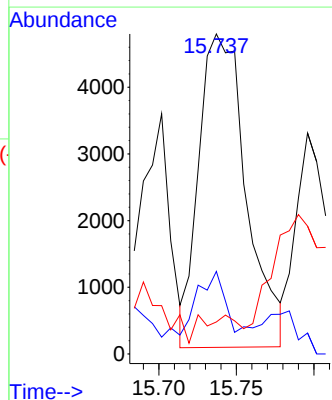
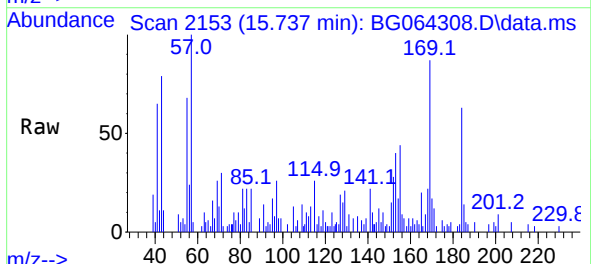
Instrument :
BNA_G
ClientSampleId :

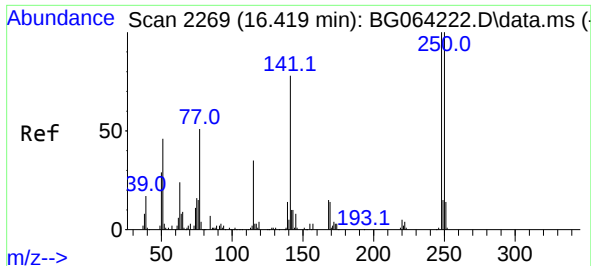
Tgt Ion:188 Resp: 173812
Ion Ratio Lower Upper
188 100
94 5.2 6.2 9.4#
80 6.8 6.8 10.2#



#66
n-Nitrosodiphenylamine
Concen: 2.088 ng
RT: 15.737 min Scan# 2153
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

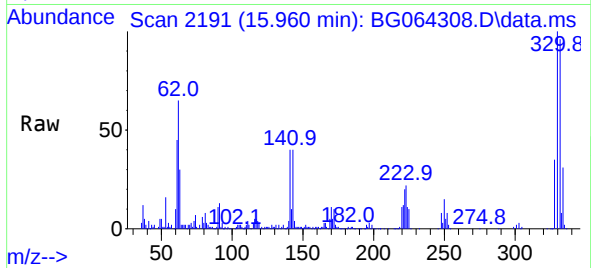
Tgt Ion:169 Resp: 9984
Ion Ratio Lower Upper
169 100
168 25.8 53.8 80.8#
167 10.0 30.2 45.2#



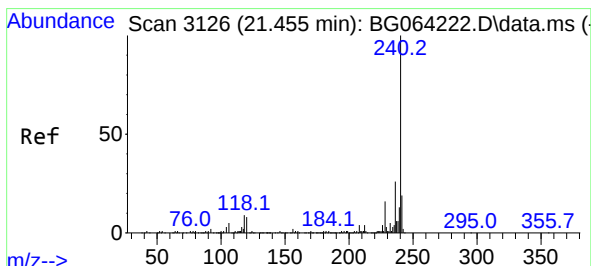
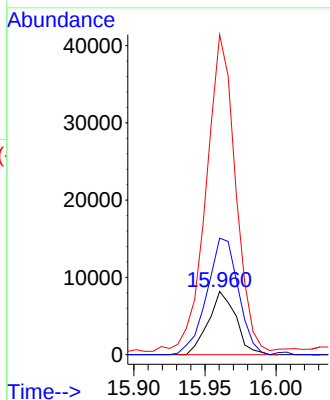
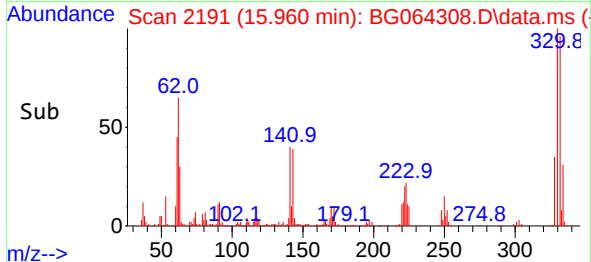


#67
4-Bromophenyl-phenylether
Concen: 5.965 ng
RT: 15.960 min Scan# 211
Delta R.T. -0.459 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

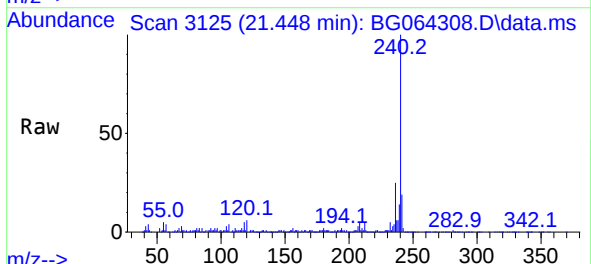
Instrument :
BNA_G
ClientSampleId :



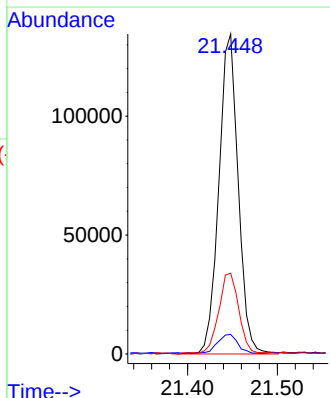
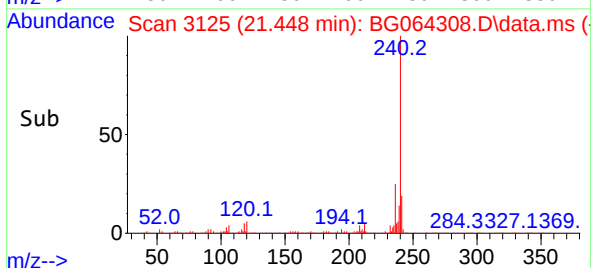
Tgt Ion:248 Resp: 11012
Ion Ratio Lower Upper
248 100
250 184.6 80.2 120.4#
141 506.7 62.4 93.6#

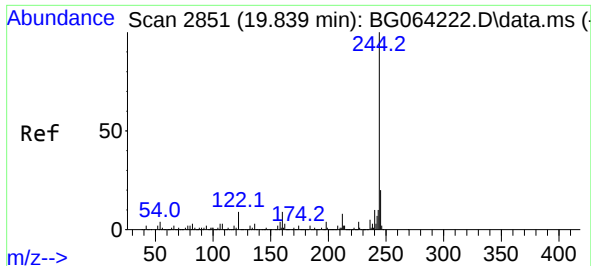


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.448 min Scan# 3125
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38



Tgt Ion:240 Resp: 201101
Ion Ratio Lower Upper
240 100
120 6.1 6.2 9.4#
236 25.3 20.5 30.7

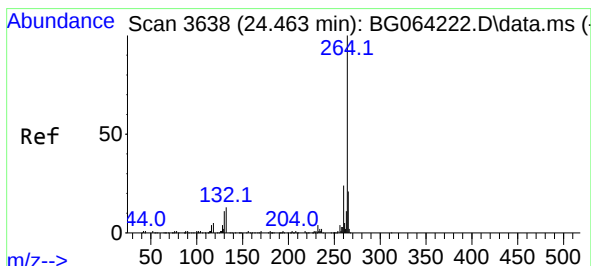
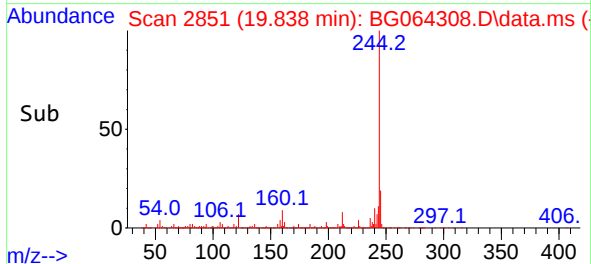
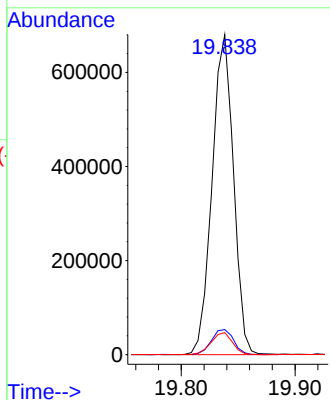
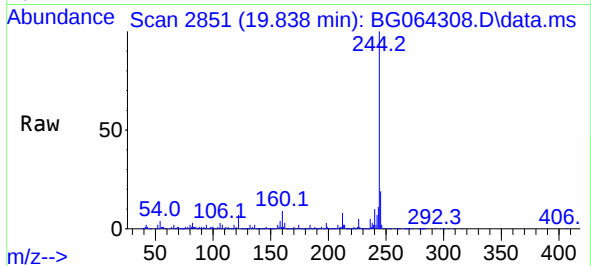




#79
Terphenyl-d14
Concen: 92.373 ng
RT: 19.838 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:244 Resp: 890374
Ion Ratio Lower Upper
244 100
212 7.9 6.6 10.0
122 6.9 7.0 10.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.456 min Scan# 3637
Delta R.T. -0.007 min
Lab File: BG064308.D
Acq: 8 Sep 2025 15:38

Tgt Ion:264 Resp: 226638
Ion Ratio Lower Upper
264 100
260 22.9 18.9 28.3
265 20.1 16.7 25.1

