

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092325\
 Data File : BG064438.D
 Acq On : 23 Sep 2025 13:59
 Operator : RC/JU
 Sample : Q3155-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Quant Time: Sep 23 14:36:52 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)

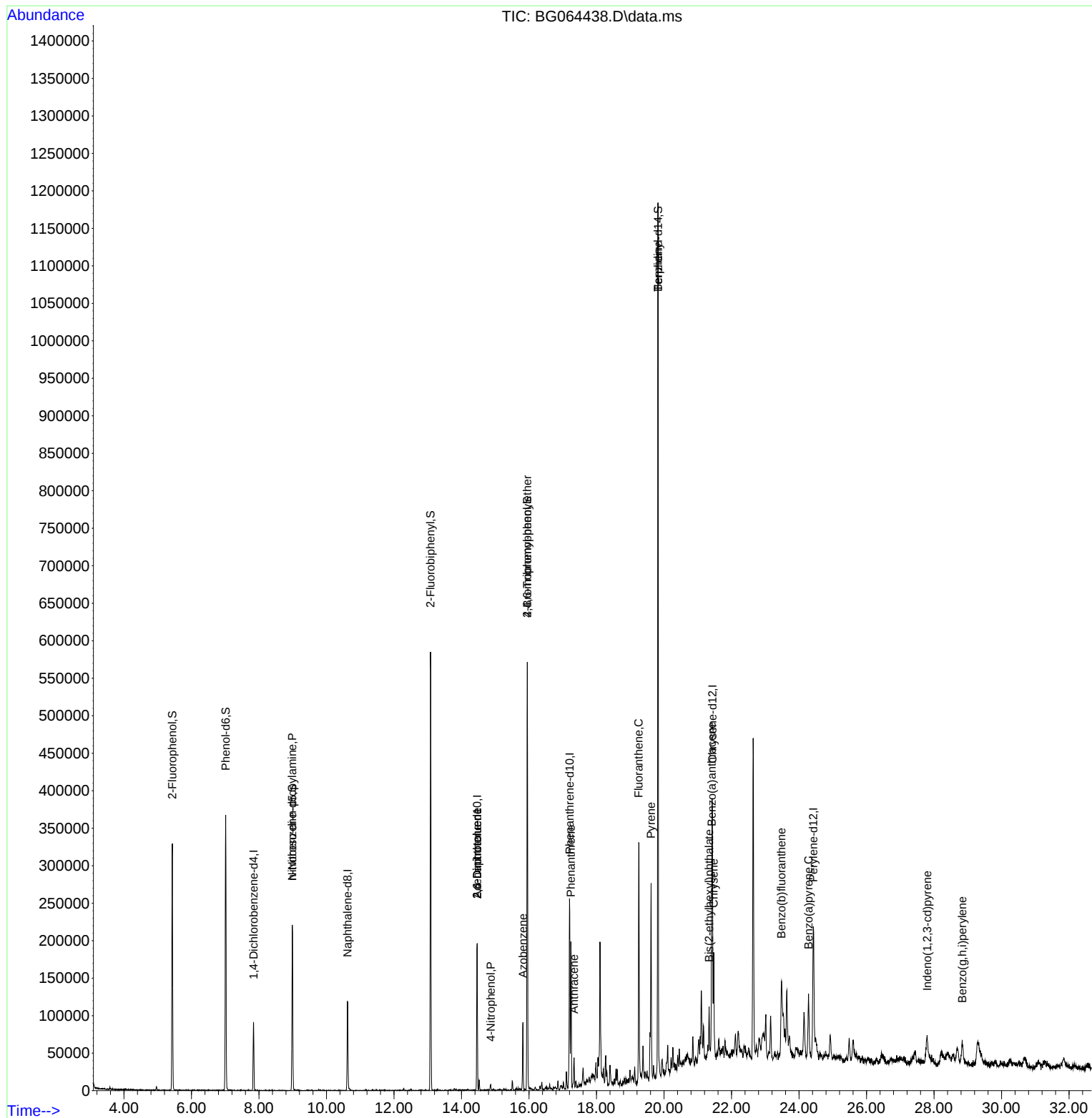
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.842	152	22529	20.000	ng	-0.02
21) Naphthalene-d8	10.621	136	95164	20.000	ng	#-0.03
39) Acenaphthene-d10	14.463	164	68543	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	152982	20.000	ng	#-0.02
76) Chrysene-d12	21.432	240	165680	20.000	ng	#-0.02
86) Perylene-d12	24.422	264	182154	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.433	112	120183	95.708	ng	-0.01
7) Phenol-d6	7.013	99	159400	92.397	ng	-0.02
23) Nitrobenzene-d5	8.987	82	115178	67.499	ng	-0.03
42) 2,4,6-Tribromophenol	15.950	330	104767	115.397	ng	-0.02
45) 2-Fluorobiphenyl	13.082	172	283264	63.079	ng	-0.03
79) Terphenyl-d14	19.822	244	529910	66.730	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.987	70	17583	13.317	ng	# 68
51) 2,6-Dinitrotoluene	14.463	165	8635	8.597	ng	# 14
56) 4-Nitrophenol	14.869	139	2000	2.317	ng	# 1
57) 2,4-Dinitrotoluene	14.463	165	8635	5.686	ng	# 17
63) Azobenzene	15.820	77	24042	4.858	ng	# 1
67) 4-Bromophenyl-phenylether	15.950	248	7787	4.792	ng	# 1
71) Phenanthrene	17.242	178	116132	14.393	ng	98
72) Anthracene	17.336	178	25022	3.049	ng	97
75) Fluoranthene	19.252	202	186285	19.635	ng	97
77) Benzidine	19.822	184	10847	3.112	ng	# 83
78) Pyrene	19.616	202	158198	15.156	ng	96
81) Benzo(a)anthracene	21.414	228	99007	9.341	ng	97
83) Chrysene	21.473	228	90450	8.889	ng	95
84) Bis(2-ethylhexyl)phtha...	21.337	149	24165	4.088	ng	92
87) Indeno(1,2,3-cd)pyrene	27.795	276	56820	4.568	ng	# 97
88) Benzo(b)fluoranthene	23.476	252	110608	10.759	ng	# 94
90) Benzo(a)pyrene	24.281	252	82598	8.637	ng	93
92) Benzo(g,h,i)perylene	28.840	276	53436	5.498	ng	# 94

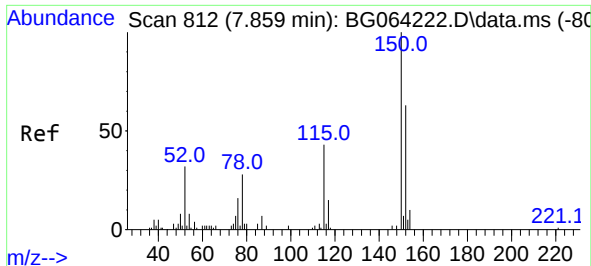
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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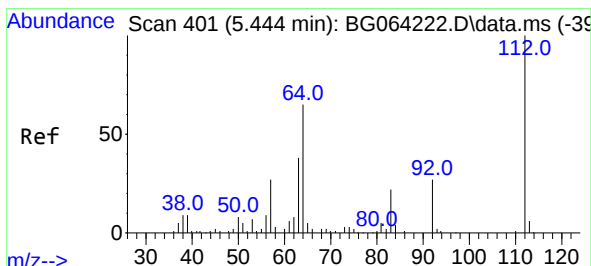
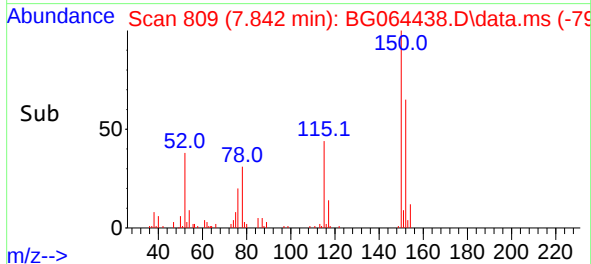
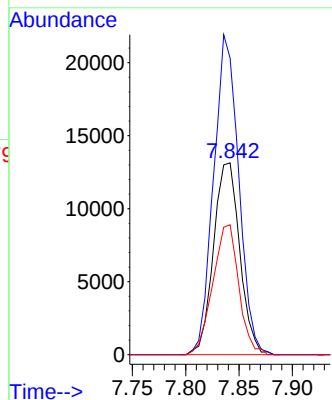
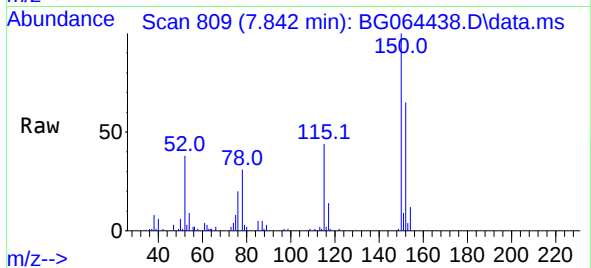




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.842 min Scan# 809
Delta R.T. -0.017 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

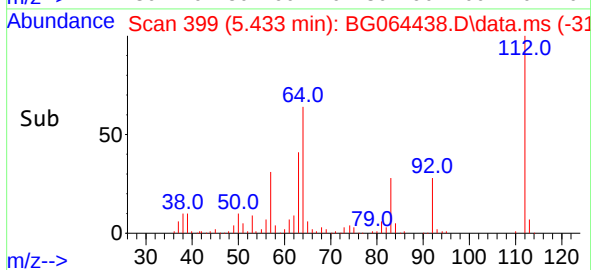
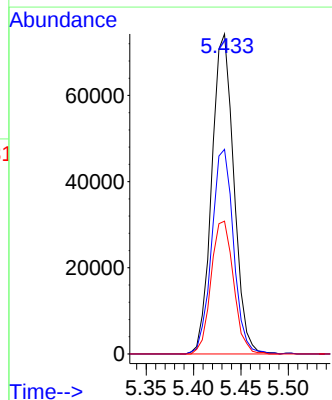
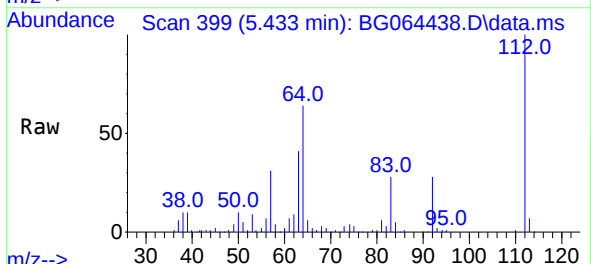
Instrument :
BNA_G
ClientSampleId :
COMP-2

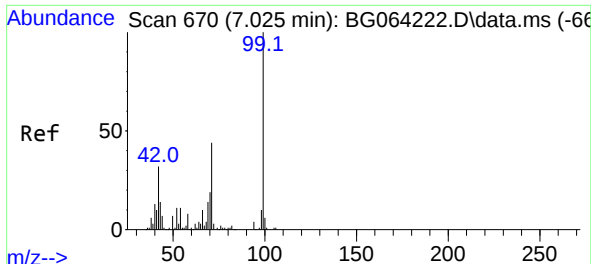
Tgt Ion:152 Resp: 22529
Ion Ratio Lower Upper
152 100
150 154.6 128.0 192.0
115 67.8 55.7 83.5



#5
2-Fluorophenol
Concen: 95.708 ng
RT: 5.433 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:112 Resp: 120183
Ion Ratio Lower Upper
112 100
64 64.0 51.8 77.6
63 41.5 30.6 45.8

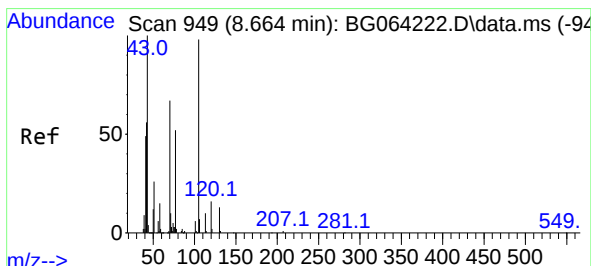
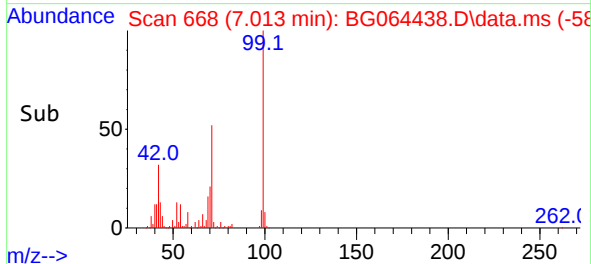
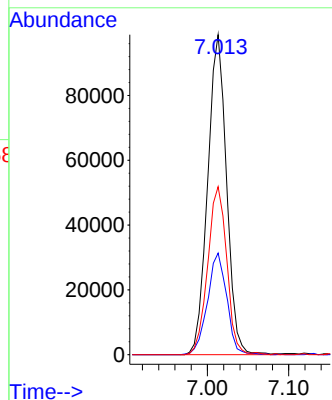
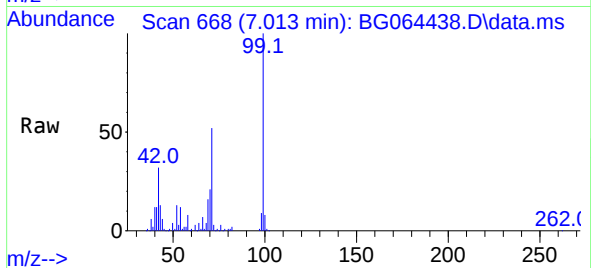




#7
Phenol-d6
Concen: 92.397 ng
RT: 7.013 min Scan# 6
Delta R.T. -0.018 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

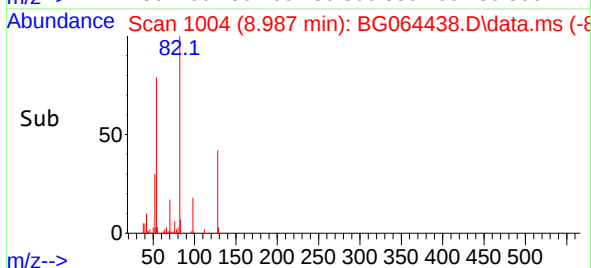
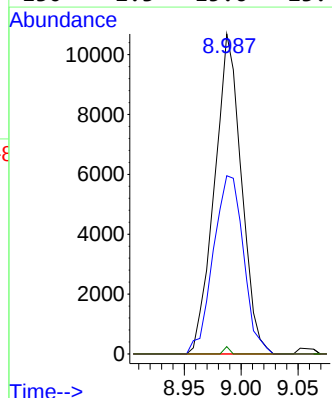
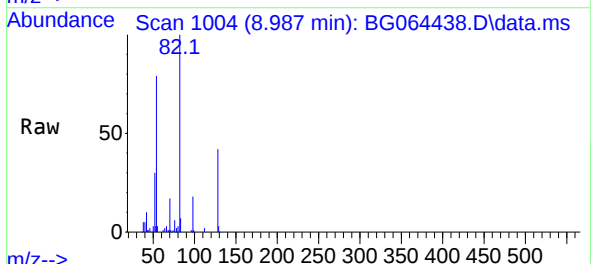
Instrument :
BNA_G
ClientSampleId :
COMP-2

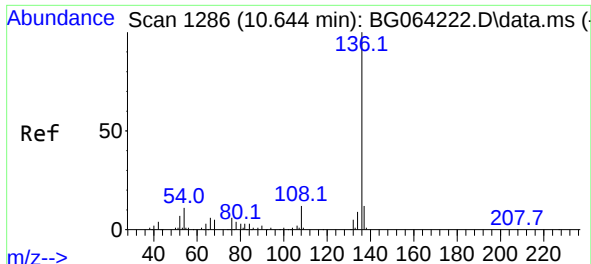
Tgt Ion: 99 Resp: 159400
Ion Ratio Lower Upper
99 100
42 31.7 25.8 38.8
71 52.5 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.317 ng
RT: 8.987 min Scan# 1004
Delta R.T. 0.323 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion: 70 Resp: 17583
Ion Ratio Lower Upper
70 100
42 55.7 67.9 101.9#
101 0.0 7.3 10.9#
130 2.3 15.6 23.4#

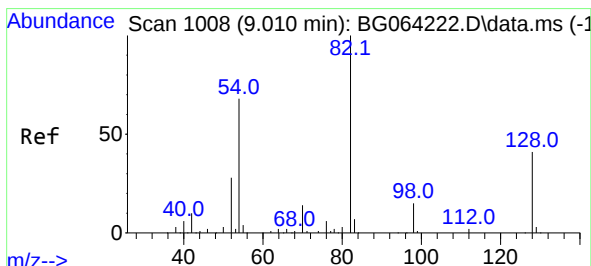
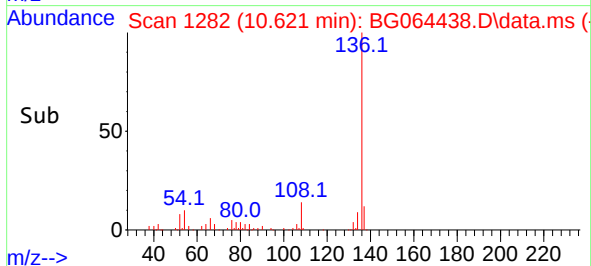
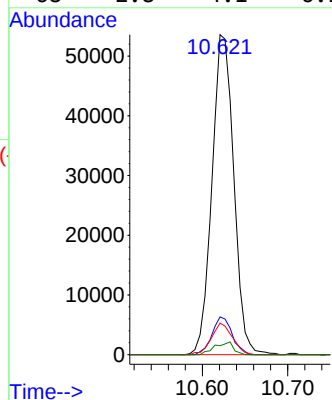
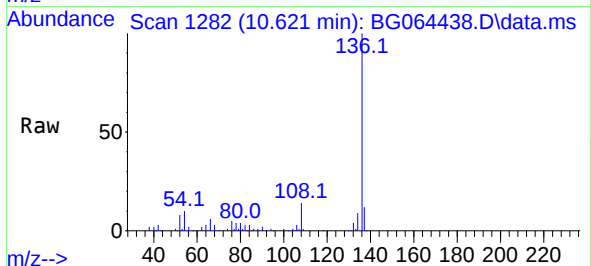




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.621 min Scan# 11
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

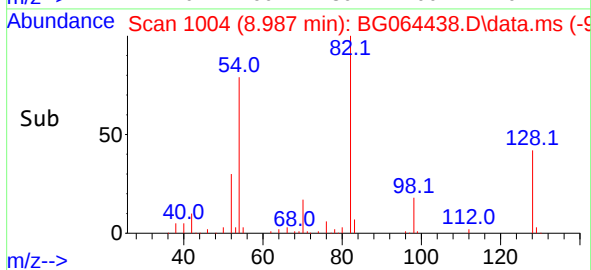
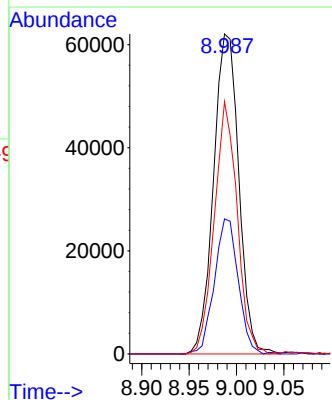
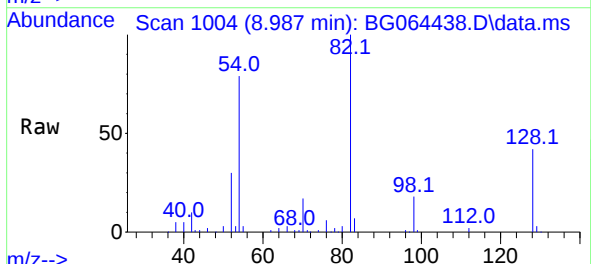
Instrument :
BNA_G
ClientSampleId :
COMP-2

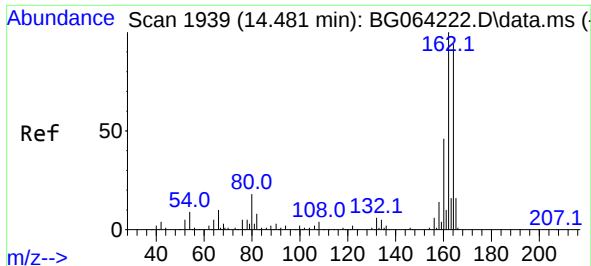
Tgt Ion:	136	Resp:	95164
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.6	14.4
54	9.8	8.8	13.2
68	2.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.499 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

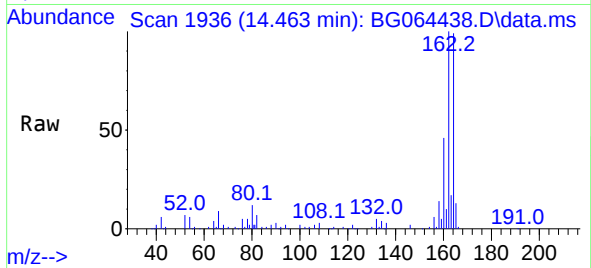
Tgt Ion:	82	Resp:	115178
Ion Ratio	Lower	Upper	
82	100		
128	42.2	32.6	48.8
54	78.9	54.7	82.1



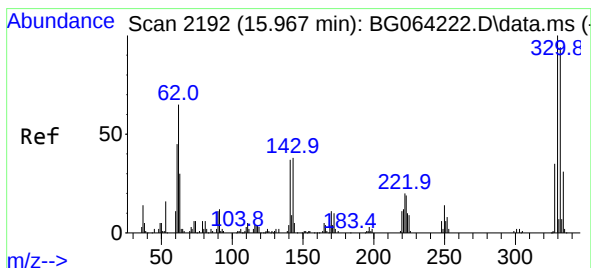
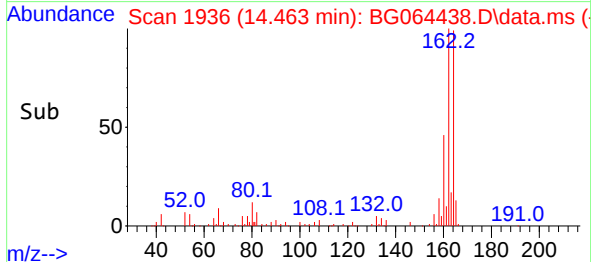
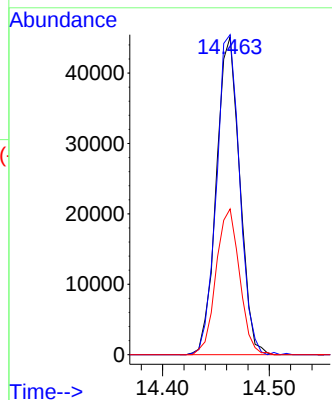


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.018 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_G
ClientSampleId :
COMP-2

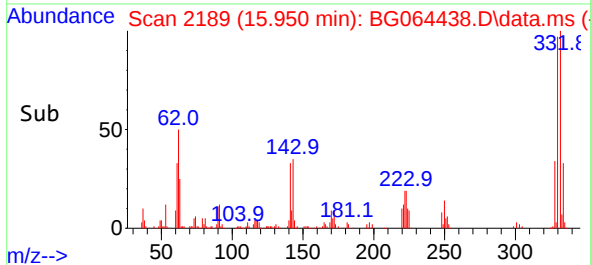
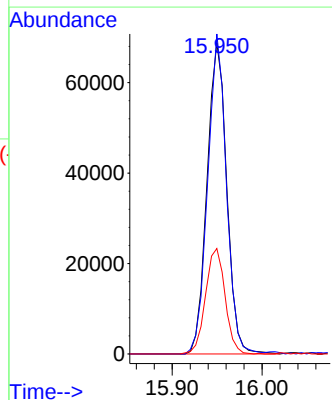
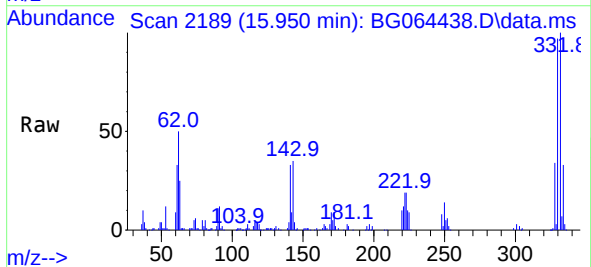


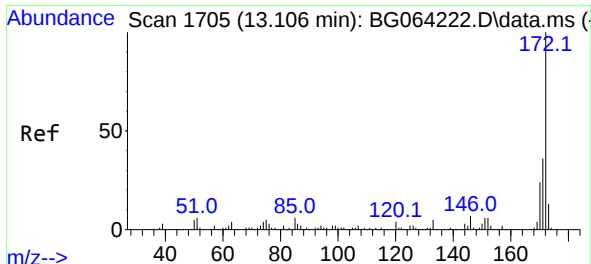
Tgt Ion:164 Resp: 68543
Ion Ratio Lower Upper
164 100
162 100.8 85.4 128.0
160 45.9 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 115.397 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:330 Resp: 104767
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 33.7 29.8 44.6

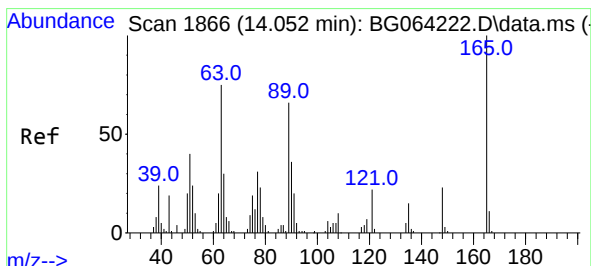
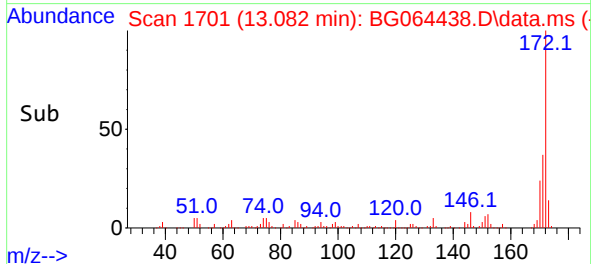
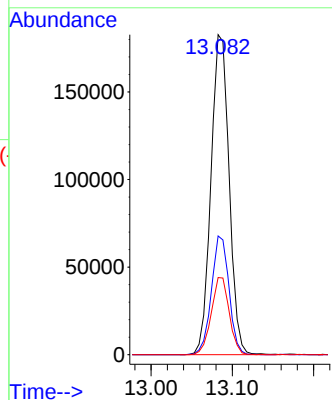
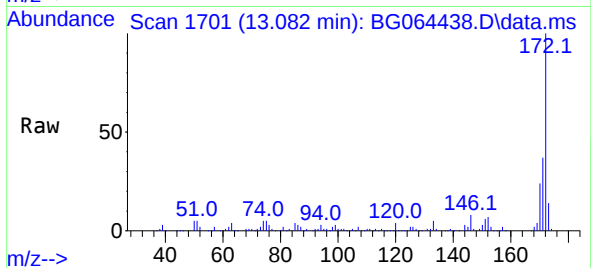




#45
2-Fluorobiphenyl
Concen: 63.079 ng
RT: 13.082 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

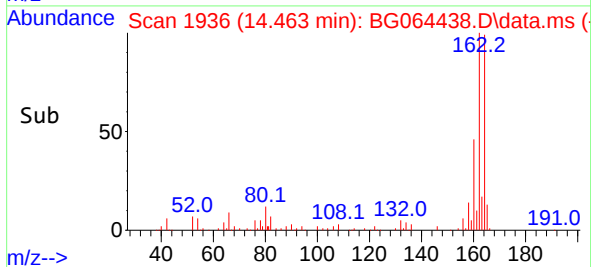
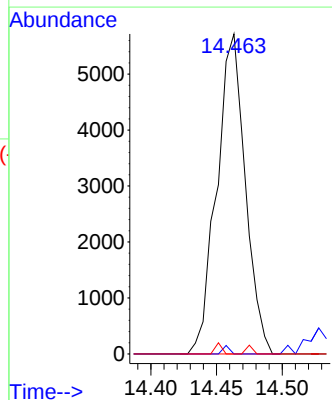
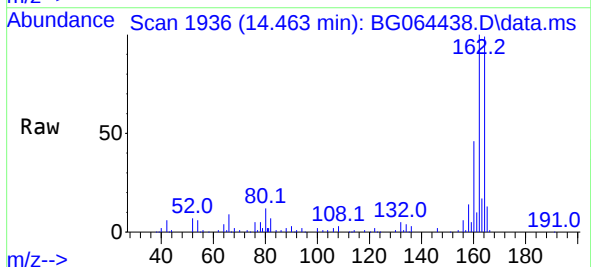
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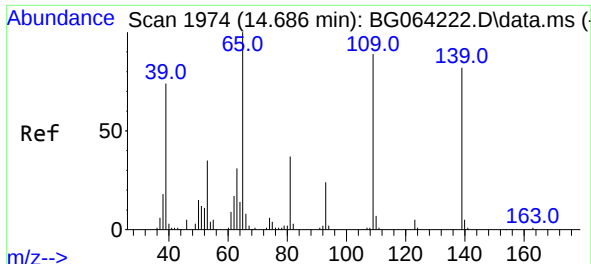
Tgt Ion:172 Resp: 283264
Ion Ratio Lower Upper
172 100
171 37.1 28.7 43.1
170 24.1 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.597 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.405 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:165 Resp: 8635
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#

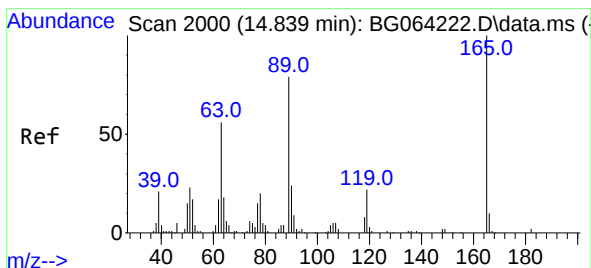
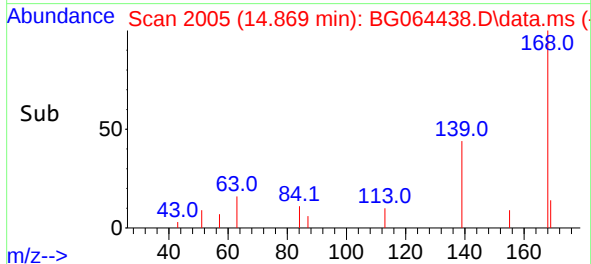
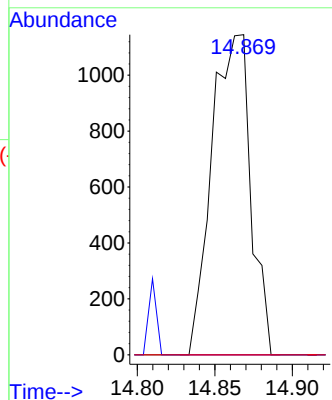
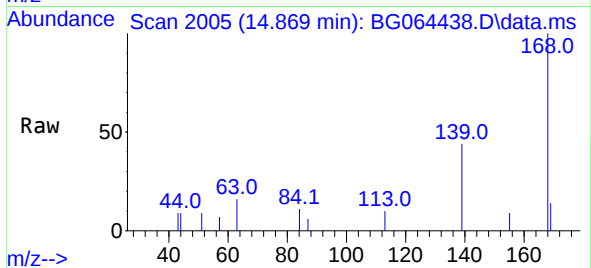




#56
4-Nitrophenol
Concen: 2.317 ng
RT: 14.869 min Scan# 20
Delta R.T. 0.170 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

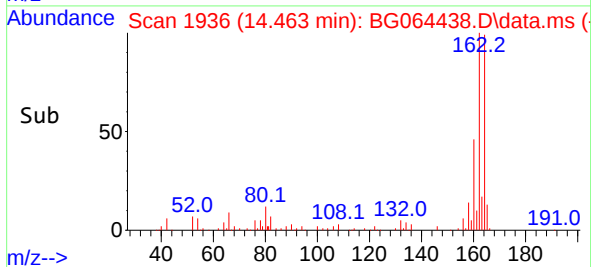
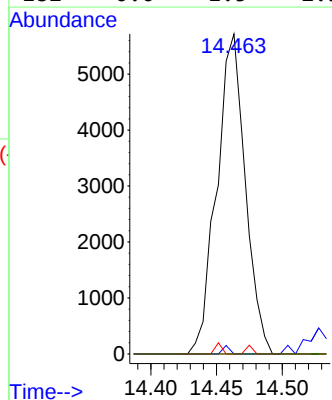
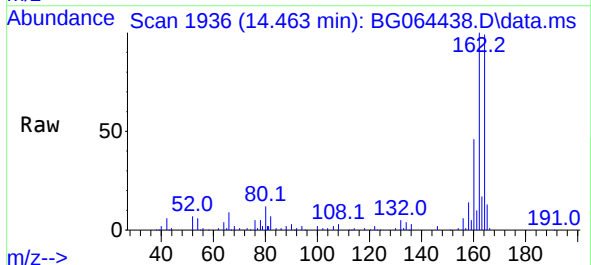
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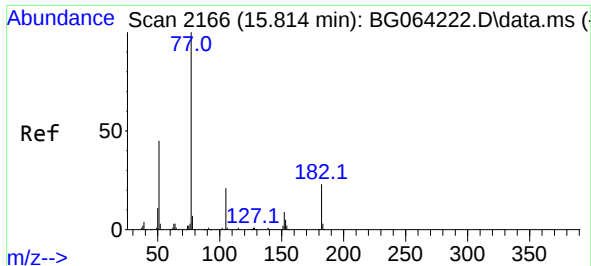
Tgt Ion:139 Resp: 2000
Ion Ratio Lower Upper
139 100
109 0.0 89.1 129.1#
65 0.0 102.9 142.9#



#57
2,4-Dinitrotoluene
Concen: 5.686 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.382 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:165 Resp: 8635
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#

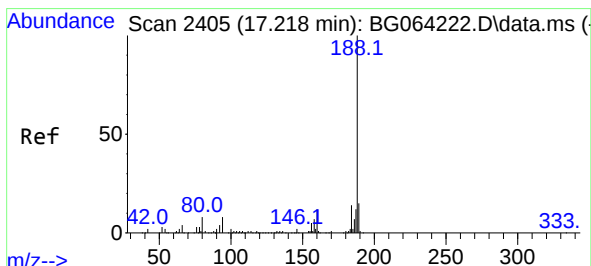
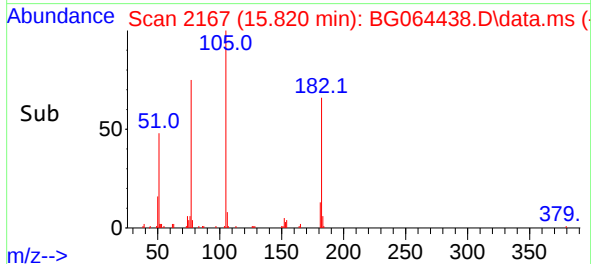
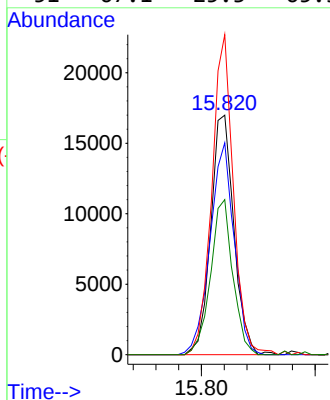
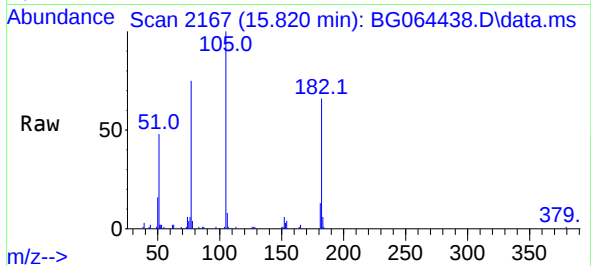




#63
Azobenzene
Concen: 4.858 ng
RT: 15.820 min Scan# 2166
Delta R.T. 0.000 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

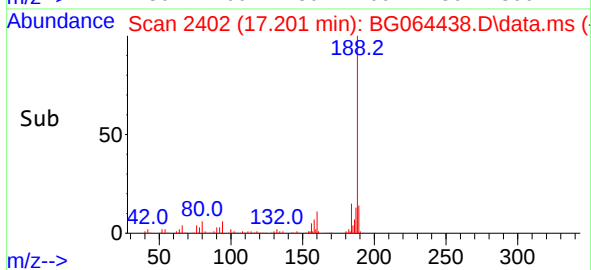
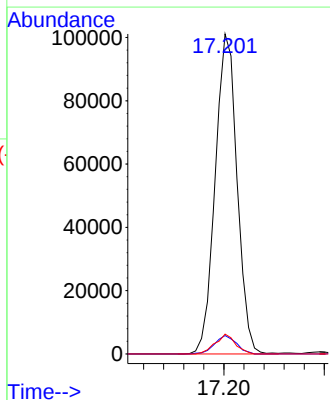
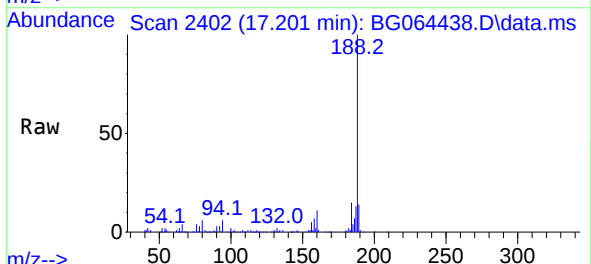
Instrument :
BNA_G
ClientSampleId :
COMP-2

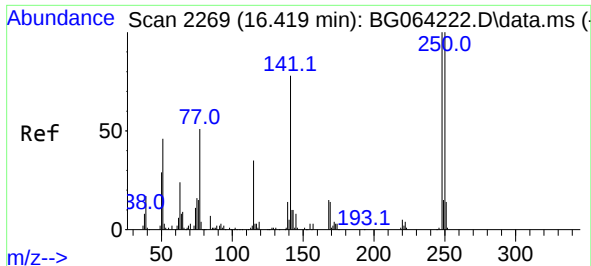
Tgt Ion: 77	Resp: 24042
Ion Ratio	Lower Upper
77	100
182	88.4 3.3 43.3#
105	133.6 0.6 40.6#
51	67.1 25.3 65.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion: 188	Resp: 152982
Ion Ratio	Lower Upper
188	100
94	5.7 6.2 9.4#
80	6.2 6.8 10.2#

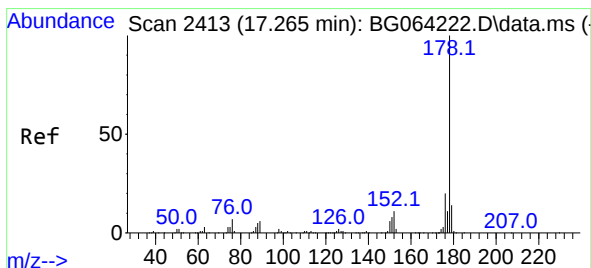
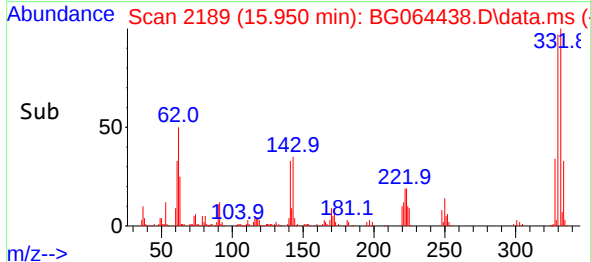
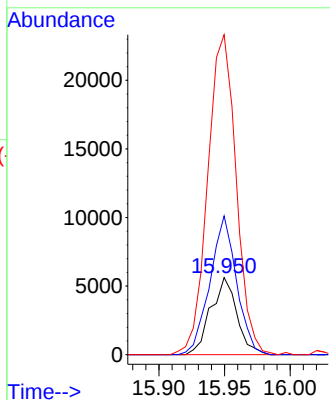
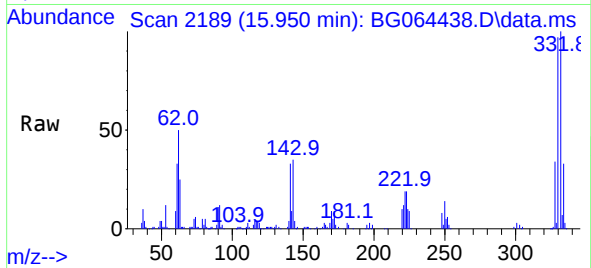




#67
4-Bromophenyl-phenylether
Concen: 4.792 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.470 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

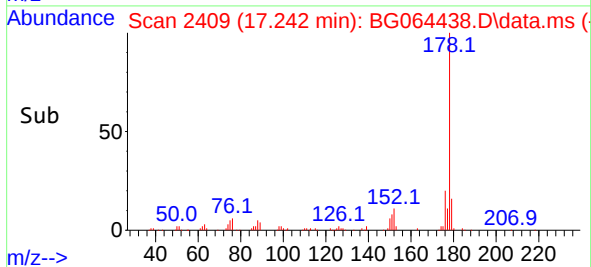
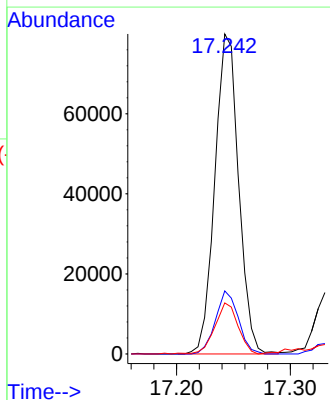
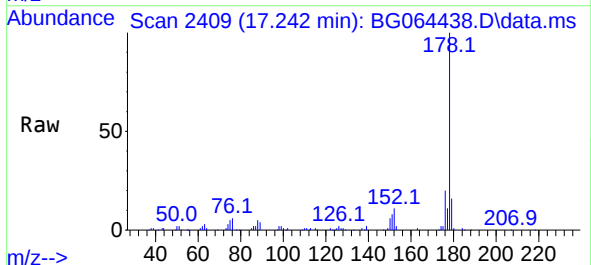
Instrument :
BNA_G
ClientSampleId :
COMP-2

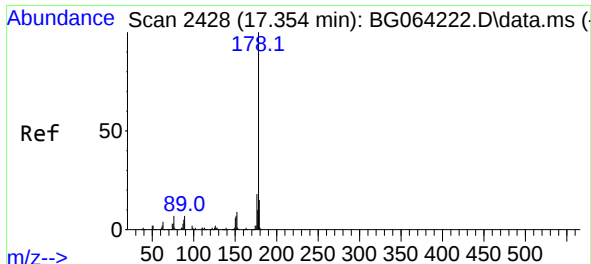
Tgt Ion:248 Resp: 7787
Ion Ratio Lower Upper
248 100
250 179.9 80.2 120.4#
141 415.1 62.4 93.6#



#71
Phenanthrene
Concen: 14.393 ng
RT: 17.242 min Scan# 2409
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:178 Resp: 116132
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.0 11.4 17.2

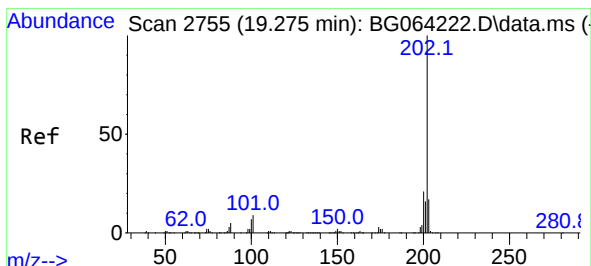
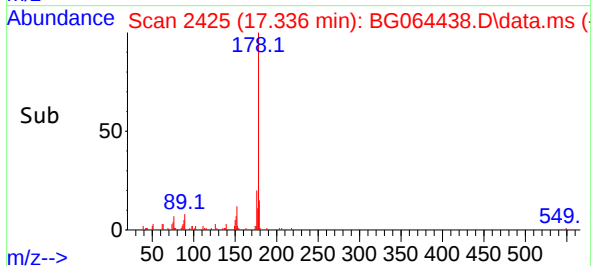
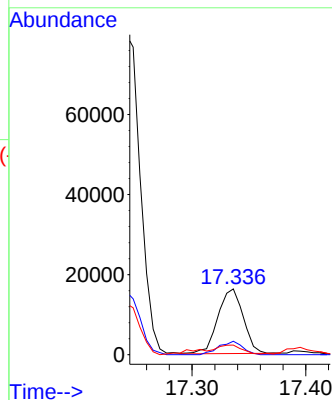
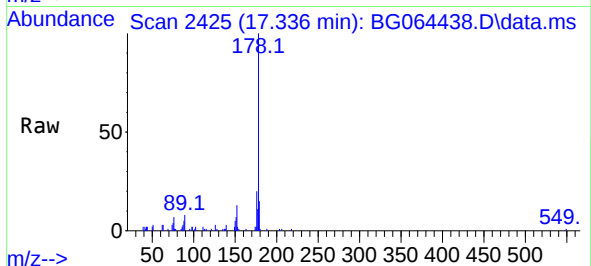




#72
Anthracene
Concen: 3.049 ng
RT: 17.336 min Scan# 2428
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

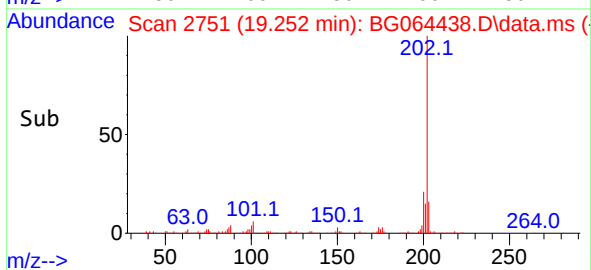
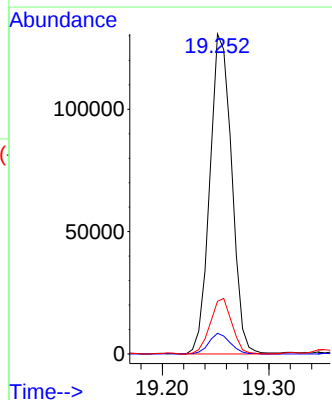
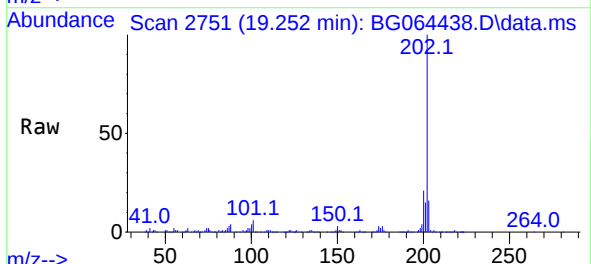
Instrument :
BNA_G
ClientSampleId :
COMP-2

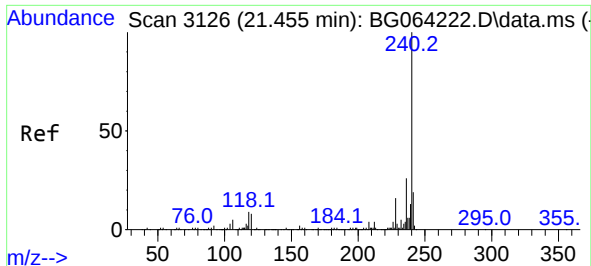
Tgt Ion:178 Resp: 25022
Ion Ratio Lower Upper
178 100
176 20.4 14.7 22.1
179 14.7 12.1 18.1



#75
Fluoranthene
Concen: 19.635 ng
RT: 19.252 min Scan# 2751
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:202 Resp: 186285
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.7
203 16.4 0.0 36.9

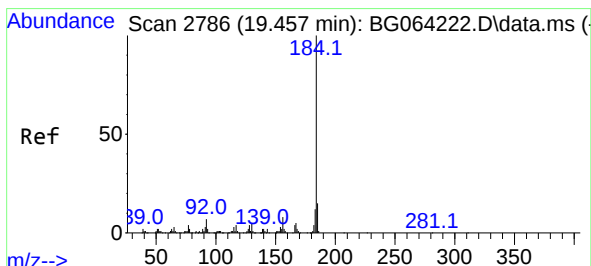
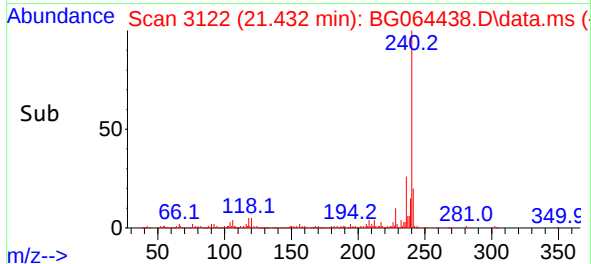
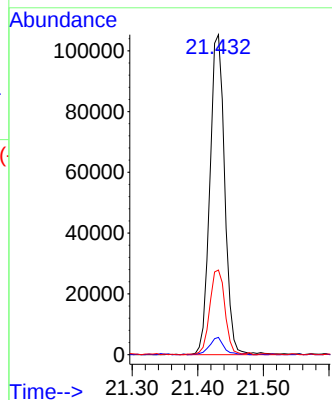
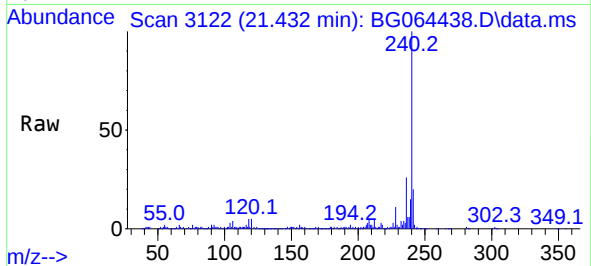




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.432 min Scan# 31
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

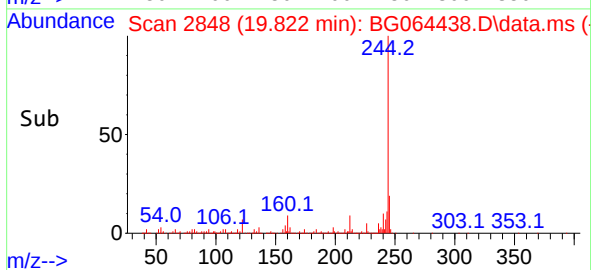
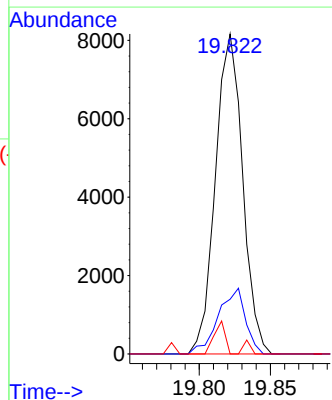
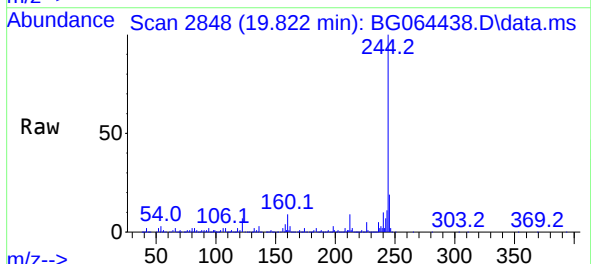
Instrument :
BNA_G
ClientSampleId :
COMP-2

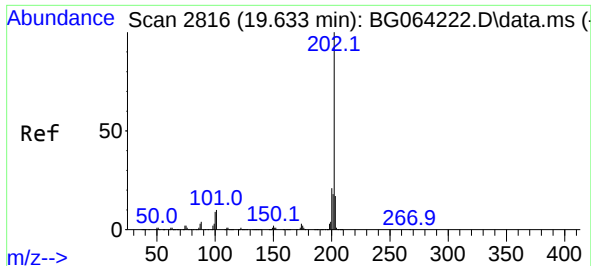
Tgt Ion:240 Resp: 165680
Ion Ratio Lower Upper
240 100
120 5.4 6.2 9.4#
236 26.4 20.5 30.7



#77
Benzidine
Concen: 3.112 ng
RT: 19.822 min Scan# 2848
Delta R.T. 0.364 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:184 Resp: 10847
Ion Ratio Lower Upper
184 100
185 17.1 11.7 17.5
183 0.0 9.7 14.5#

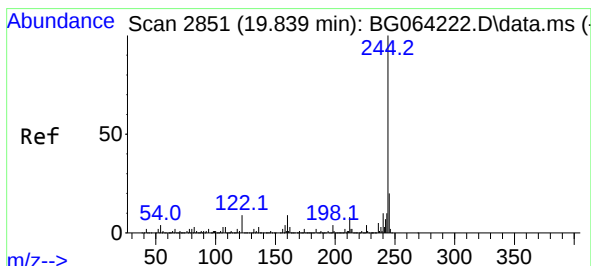
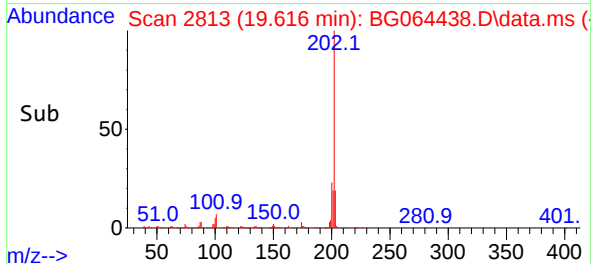
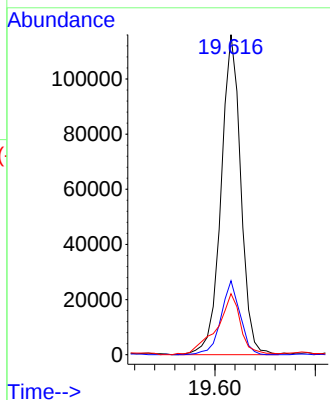
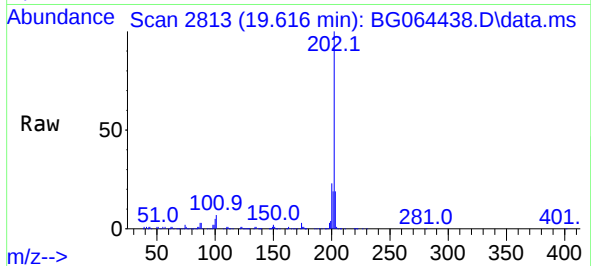




#78
Pyrene
Concen: 15.156 ng
RT: 19.616 min Scan# 21
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

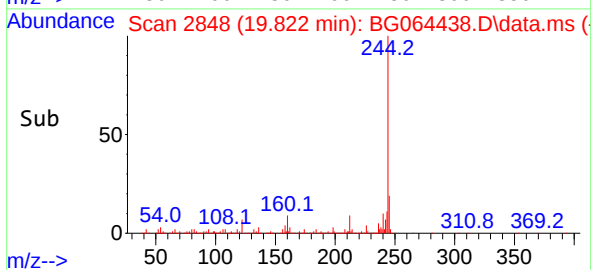
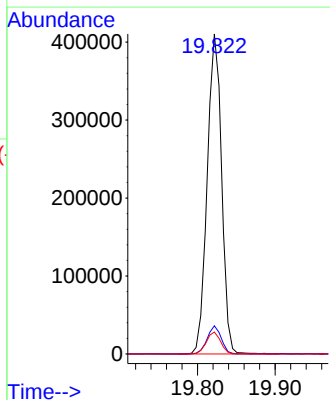
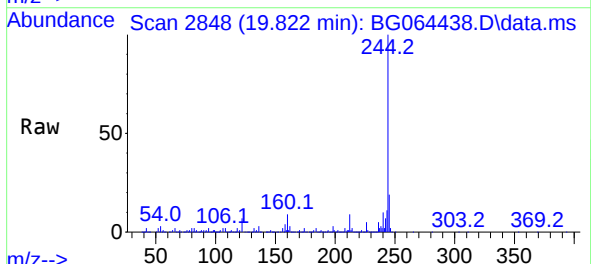
Instrument :
BNA_G
ClientSampleId :
COMP-2

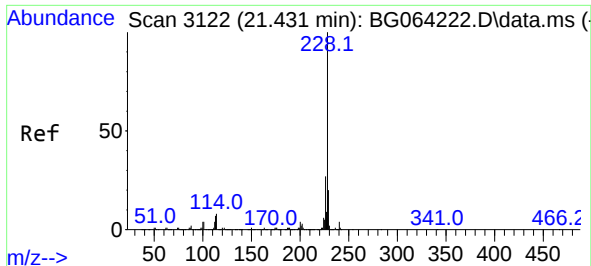
Tgt Ion:202 Resp: 158198
Ion Ratio Lower Upper
202 100
200 23.1 16.9 25.3
203 19.0 13.8 20.8



#79
Terphenyl-d14
Concen: 66.730 ng
RT: 19.822 min Scan# 2848
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:244 Resp: 529910
Ion Ratio Lower Upper
244 100
212 8.8 6.6 10.0
122 6.8 7.0 10.6#

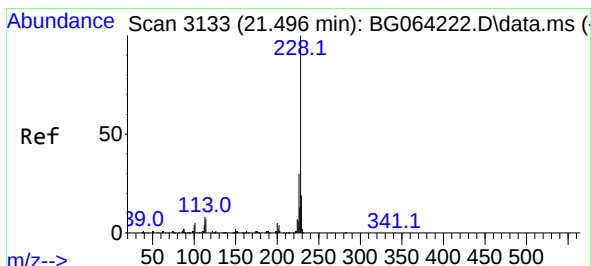
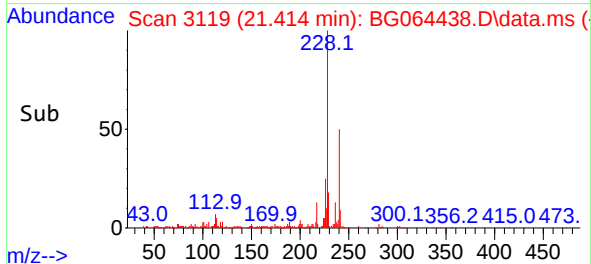
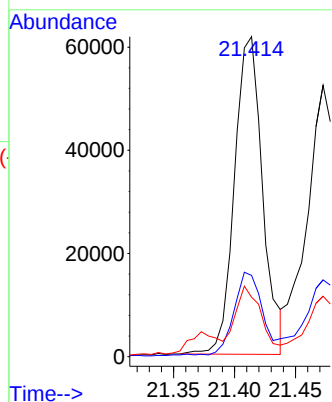
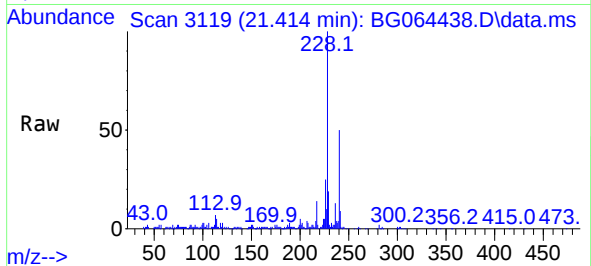




#81
Benzo(a)anthracene
Concen: 9.341 ng
RT: 21.414 min Scan# 3119
Delta R.T. -0.023 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

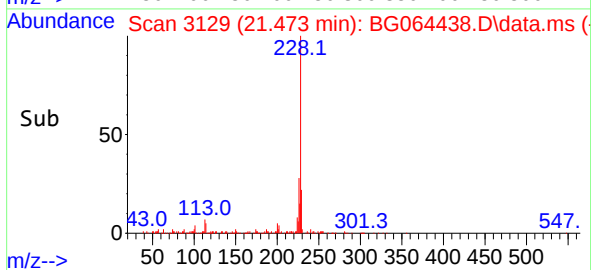
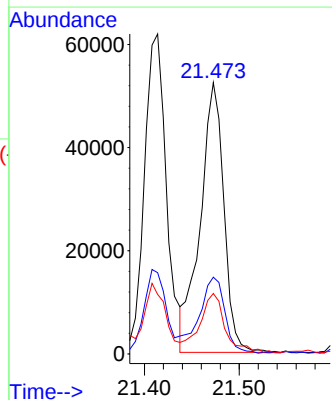
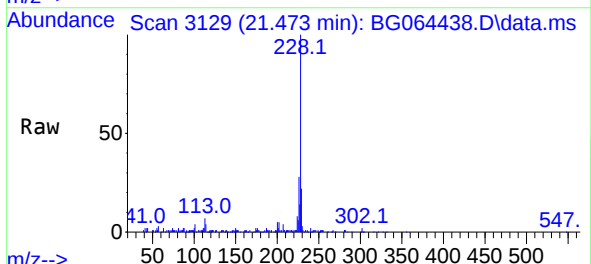
Instrument :
BNA_G
ClientSampleId :
COMP-2

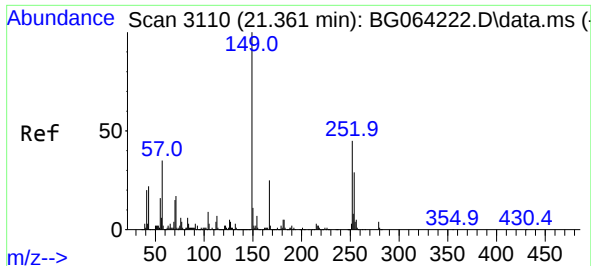
Tgt Ion:228	Resp:	99007
Ion Ratio	Lower	Upper
228	100	
226	25.4	21.7 32.5
229	18.6	15.9 23.9



#83
Chrysene
Concen: 8.889 ng
RT: 21.473 min Scan# 3129
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:228	Resp:	90450
Ion Ratio	Lower	Upper
228	100	
226	28.3	24.2 36.2
229	22.3	15.4 23.2

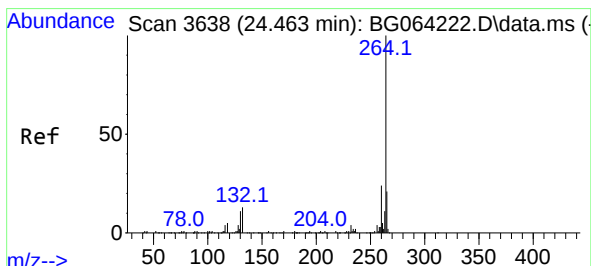
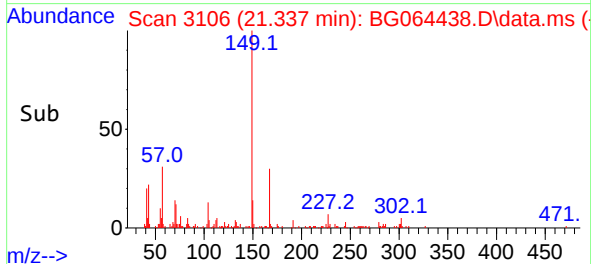
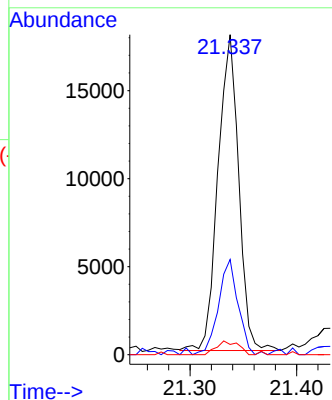
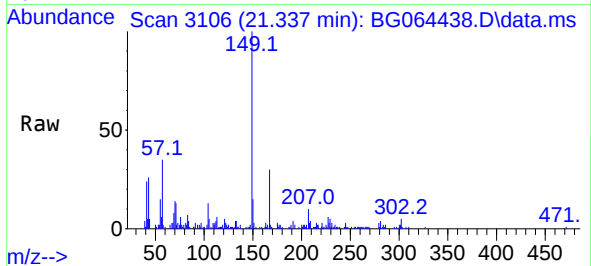




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.088 ng
RT: 21.337 min Scan# 3110
Delta R.T. -0.029 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

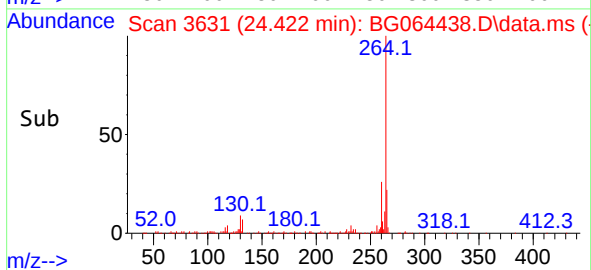
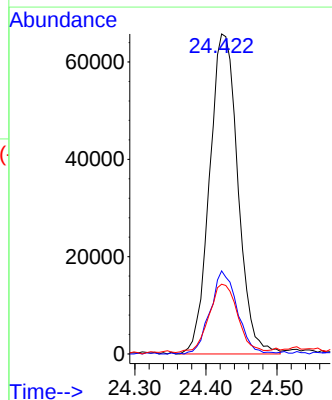
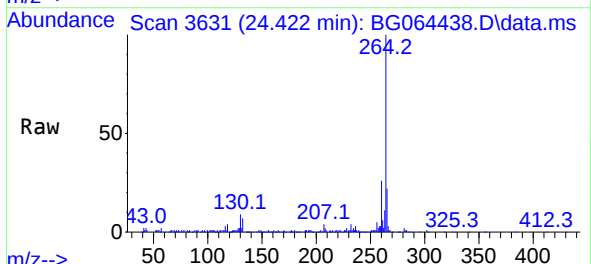
Instrument :
BNA_G
ClientSampleId :
COMP-2

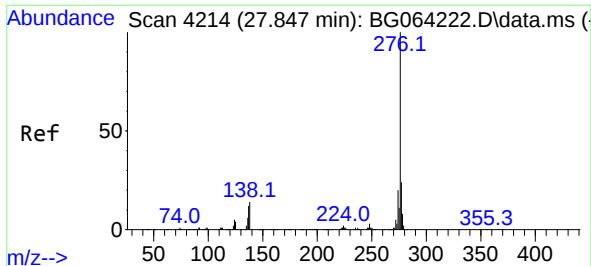
Tgt Ion:	149	Resp:	24165
Ion Ratio	Lower	Upper	
149	100		
167	29.7	20.0	30.0
279	3.2	3.0	4.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.422 min Scan# 3631
Delta R.T. -0.041 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:	264	Resp:	182154
Ion Ratio	Lower	Upper	
264	100		
260	26.0	18.9	28.3
265	21.8	16.7	25.1

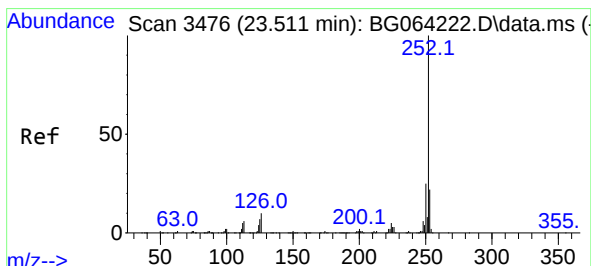
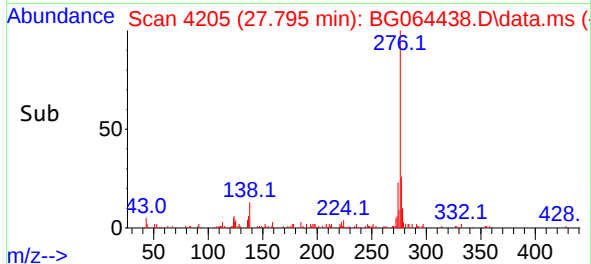
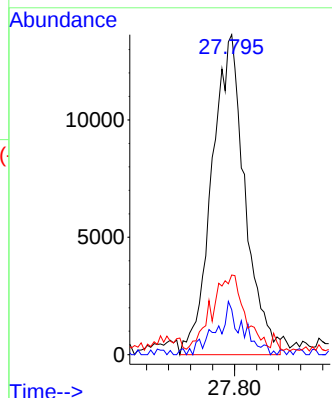
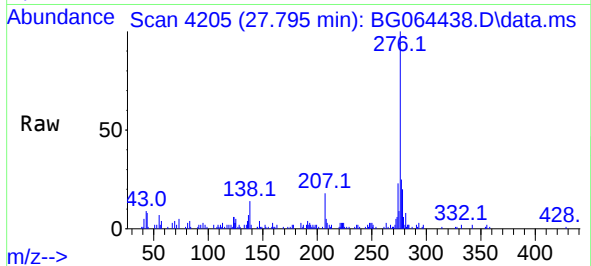




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.568 ng
 RT: 27.795 min Scan# 41
 Delta R.T. -0.076 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59

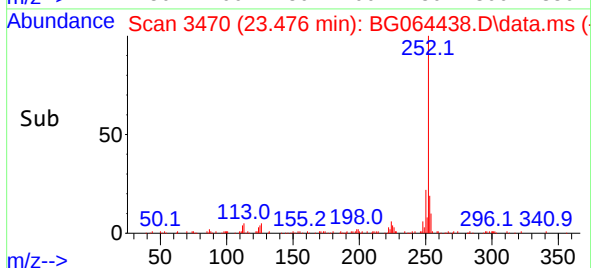
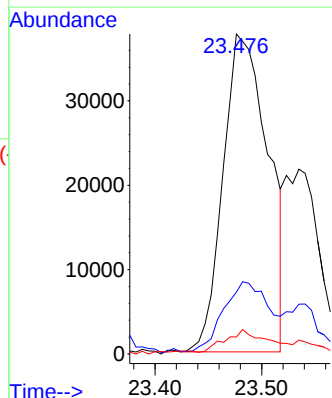
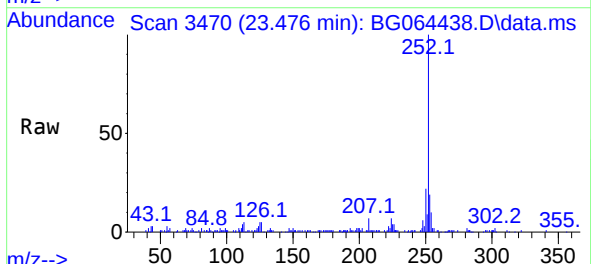
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

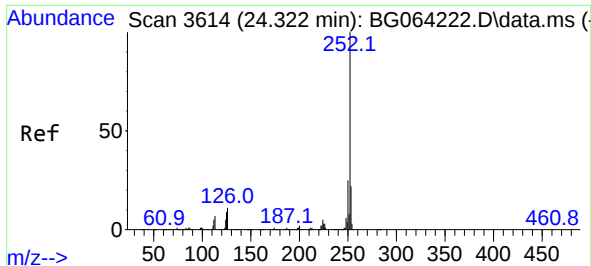
Tgt Ion:276 Resp: 56820
 Ion Ratio Lower Upper
 276 100
 138 6.4 7.4 11.0#
 277 24.8 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 10.759 ng
 RT: 23.476 min Scan# 3470
 Delta R.T. -0.041 min
 Lab File: BG064438.D
 Acq: 23 Sep 2025 13:59

Tgt Ion:252 Resp: 110608
 Ion Ratio Lower Upper
 252 100
 253 19.3 17.5 26.3
 125 5.3 5.9 8.9#

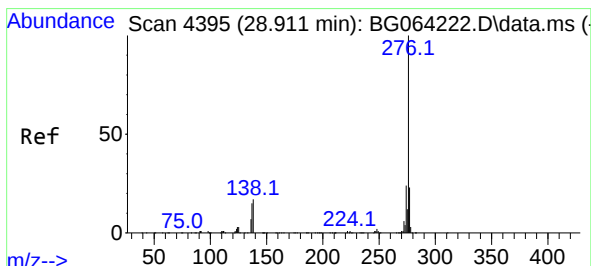
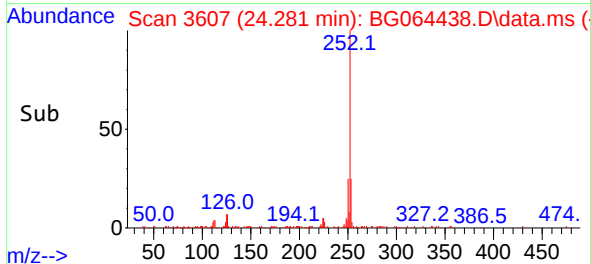
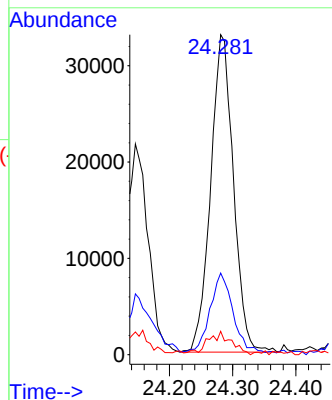
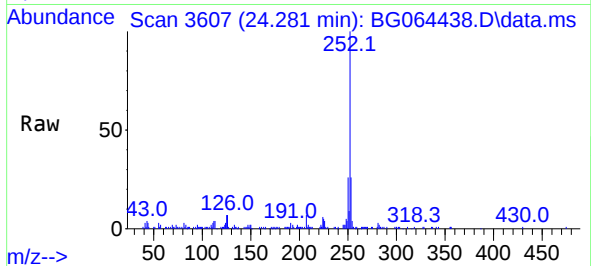




#90
Benzo(a)pyrene
Concen: 8.637 ng
RT: 24.281 min Scan# 30
Delta R.T. -0.047 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:	252	Resp:	82598
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.4	26.2
125	7.3	7.0	10.6



#92
Benzo(g,h,i)perylene
Concen: 5.498 ng
RT: 28.840 min Scan# 4383
Delta R.T. -0.094 min
Lab File: BG064438.D
Acq: 23 Sep 2025 13:59

Tgt Ion:	276	Resp:	53436
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.2	27.4
138	12.0	13.3	19.9

