

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092325\
 Data File : BG064437.D
 Acq On : 23 Sep 2025 13:18
 Operator : RC/JU
 Sample : Q3155-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Sep 23 13:53:55 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

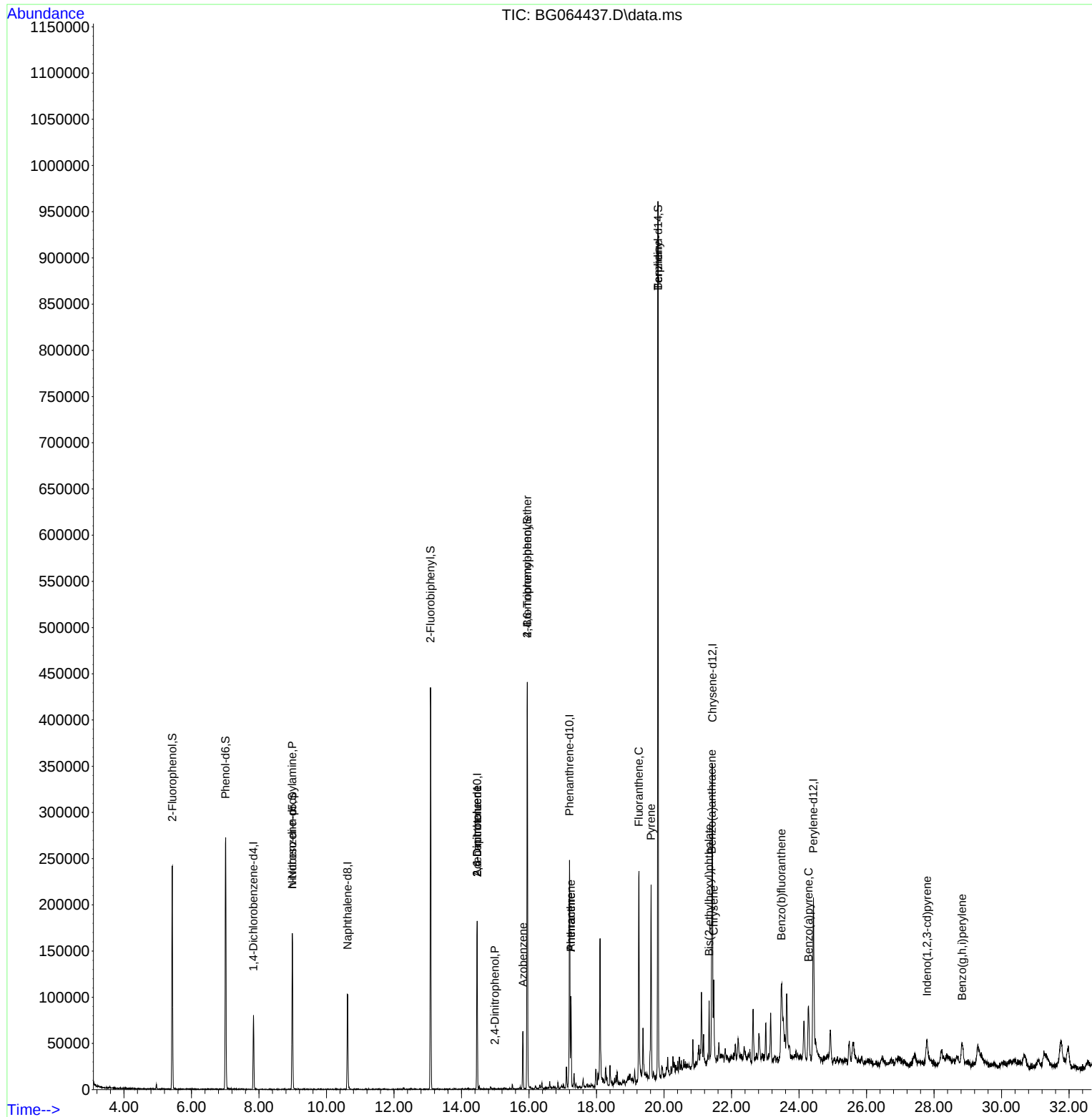
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.836	152	19558	20.000	ng	-0.02
21) Naphthalene-d8	10.620	136	83888	20.000	ng	#-0.03
39) Acenaphthene-d10	14.463	164	59255	20.000	ng	-0.02
64) Phenanthrene-d10	17.201	188	141083	20.000	ng	#-0.02
76) Chrysene-d12	21.431	240	152528	20.000	ng	#-0.02
86) Perylene-d12	24.428	264	170295	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.432	112	89530	82.128	ng	-0.01
7) Phenol-d6	7.007	99	124040	82.823	ng	-0.02
23) Nitrobenzene-d5	8.987	82	85833	57.063	ng	-0.03
42) 2,4,6-Tribromophenol	15.950	330	82399	104.986	ng	-0.02
45) 2-Fluorobiphenyl	13.082	172	208112	53.608	ng	-0.03
79) Terphenyl-d14	19.821	244	420225	57.480	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.987	70	13104	11.432	ng	# 70
51) 2,6-Dinitrotoluene	14.463	165	7907	9.106	ng	# 16
54) 2,4-Dinitrophenol	14.986	184	73	5.771	ng	# 12
57) 2,4-Dinitrotoluene	14.463	165	7907	6.023	ng	# 19
63) Azobenzene	15.820	77	17419	4.072	ng	# 1
67) 4-Bromophenyl-phenylether	15.950	248	5673	3.786	ng	# 1
71) Phenanthrene	17.242	178	57420	7.717	ng	99
72) Anthracene	17.242	178	57420	7.586	ng	97
75) Fluoranthene	19.257	202	129086	14.754	ng	96
77) Benzidine	19.821	184	8780	2.736	ng	# 91
78) Pyrene	19.616	202	131355	13.669	ng	99
81) Benzo(a)anthracene	21.414	228	59739	6.122	ng	92
83) Chrysene	21.472	228	59110	6.310	ng	97
84) Bis(2-ethylhexyl)phtha...	21.337	149	24018	4.414	ng	# 95
87) Indeno(1,2,3-cd)pyrene	27.789	276	43681	3.756	ng	# 62
88) Benzo(b)fluoranthene	23.482	252	80480	8.374	ng	# 97
90) Benzo(a)pyrene	24.281	252	57298	6.409	ng	# 98
92) Benzo(g,h,i)perylene	28.829	276	45161	4.970	ng	94

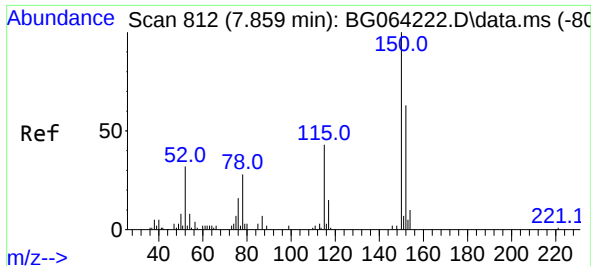
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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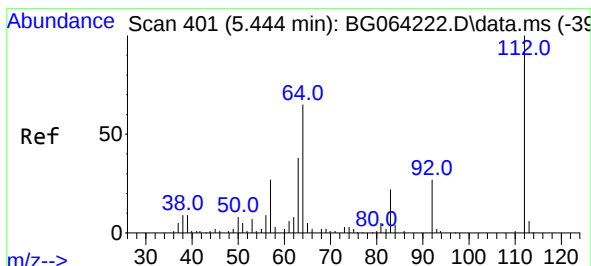
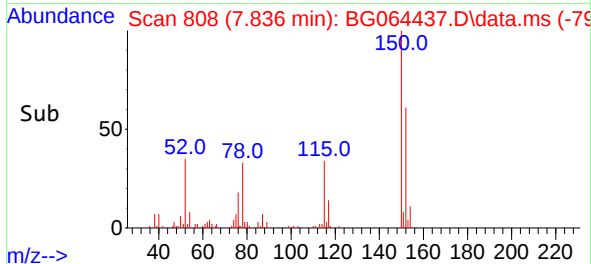
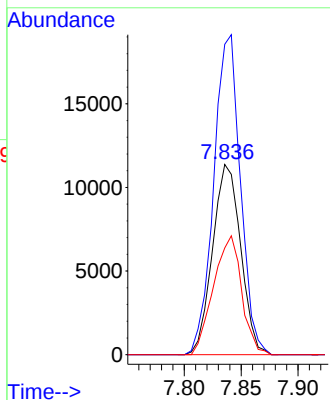
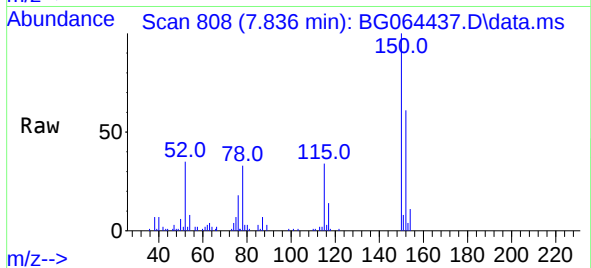




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.836 min Scan# 808
Delta R.T. -0.023 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

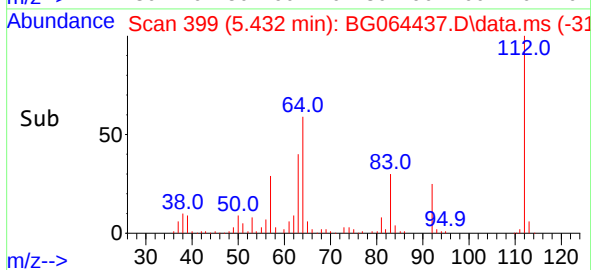
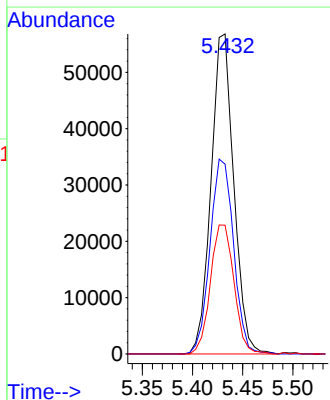
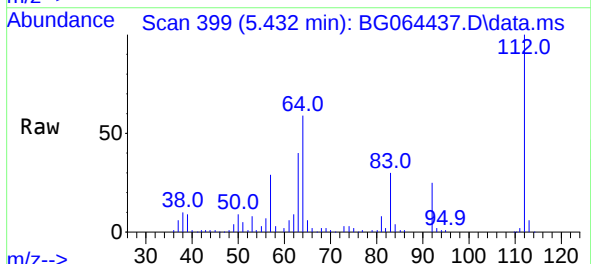
Instrument :
BNA_G
ClientSampleId :
COMP-1

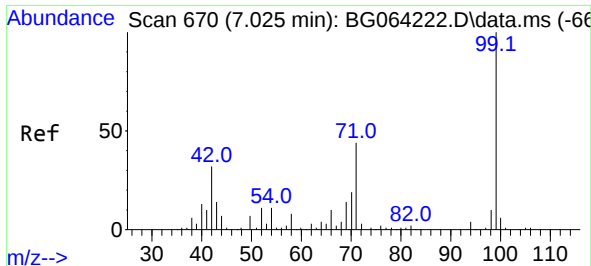
Tgt Ion:152 Resp: 19558
Ion Ratio Lower Upper
152 100
150 163.1 128.0 192.0
115 56.1 55.7 83.5



#5
2-Fluorophenol
Concen: 82.128 ng
RT: 5.432 min Scan# 399
Delta R.T. -0.012 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:112 Resp: 89530
Ion Ratio Lower Upper
112 100
64 59.3 51.8 77.6
63 40.3 30.6 45.8

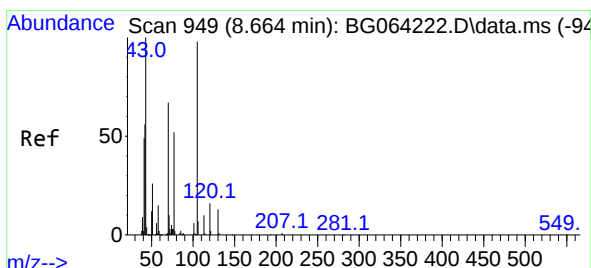
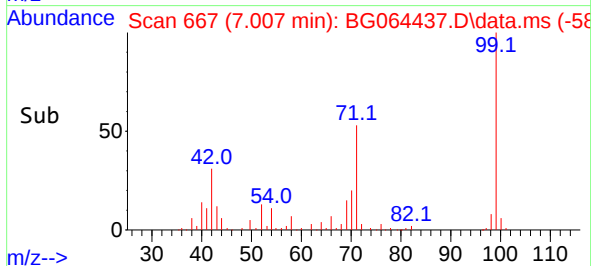
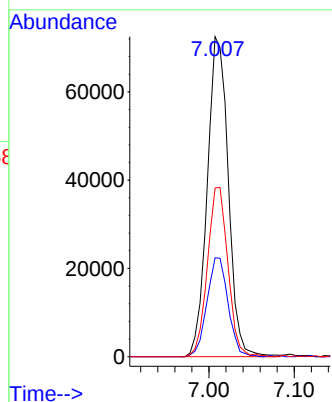
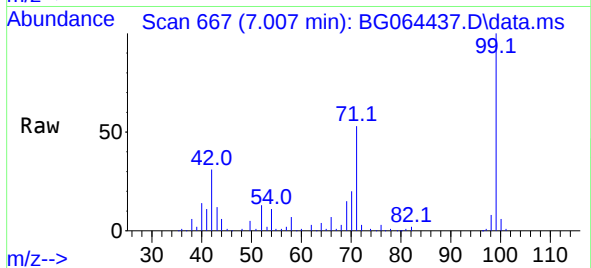




#7
Phenol-d6
Concen: 82.823 ng
RT: 7.007 min Scan# 60
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

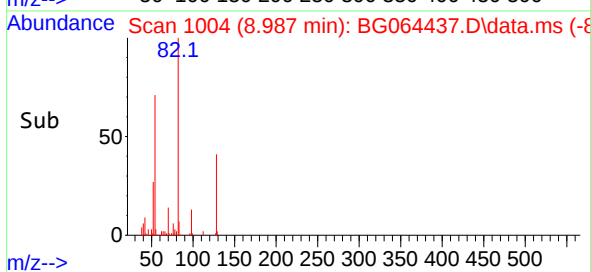
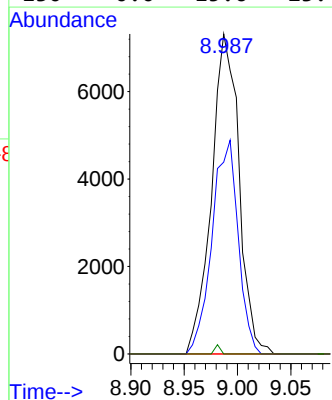
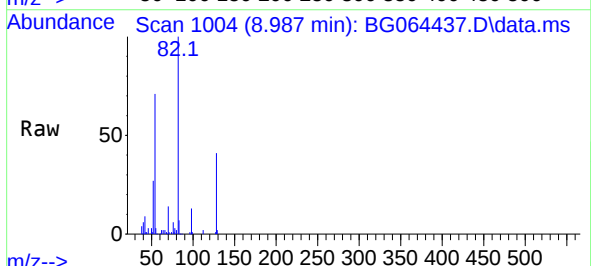
Instrument :
BNA_G
ClientSampleId :
COMP-1

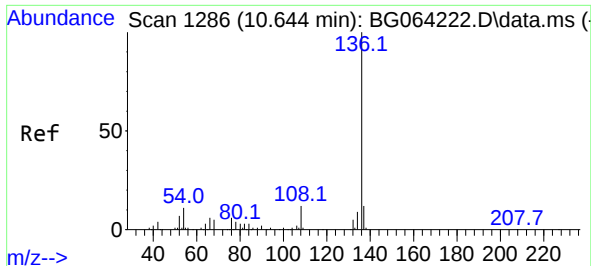
Tgt Ion: 99 Resp: 124040
Ion Ratio Lower Upper
99 100
42 30.9 25.8 38.8
71 52.7 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.432 ng
RT: 8.987 min Scan# 1004
Delta R.T. 0.323 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion: 70 Resp: 13104
Ion Ratio Lower Upper
70 100
42 60.0 67.9 101.9#
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#

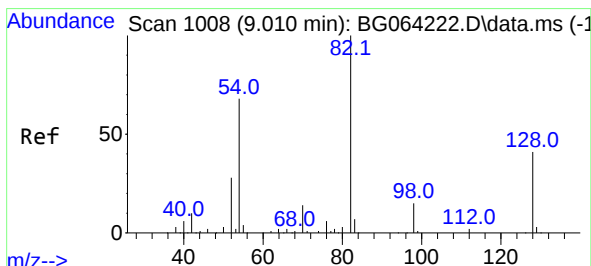
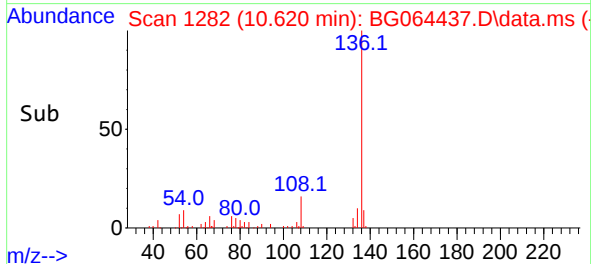
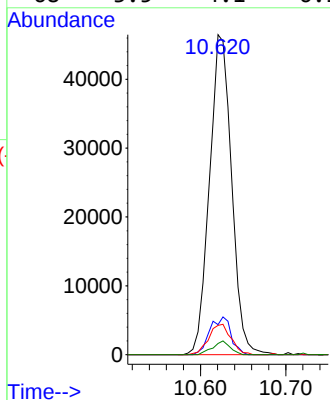
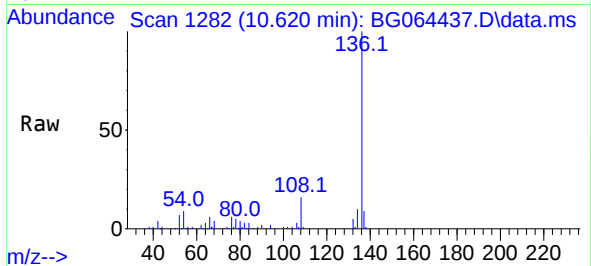




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.620 min Scan# 11
Delta R.T. -0.030 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

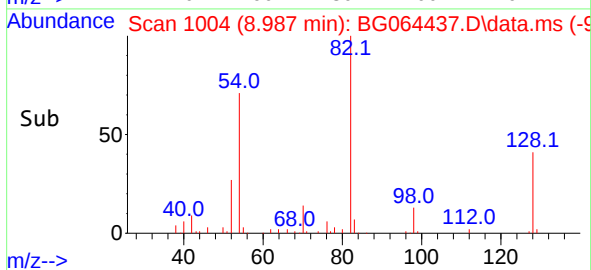
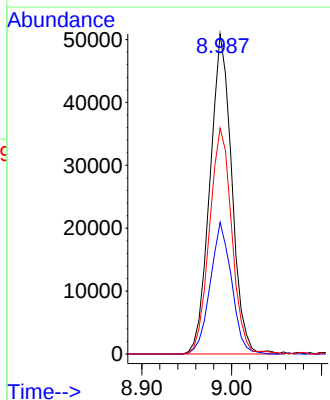
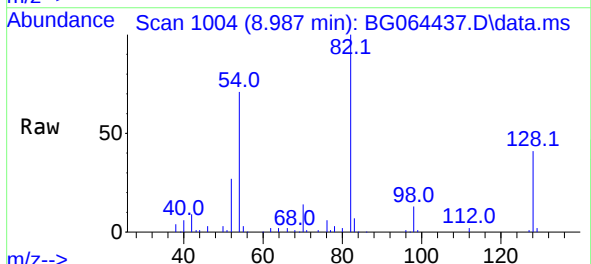
Instrument :
BNA_G
ClientSampleId :
COMP-1

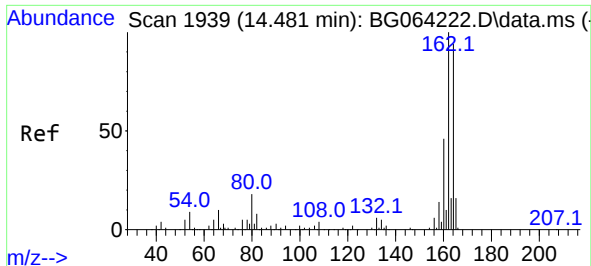
Tgt Ion:	136	Resp:	83888
Ion Ratio	Lower	Upper	
136	100		
137	9.4	9.6	14.4#
54	9.2	8.8	13.2
68	3.5	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 57.063 ng
RT: 8.987 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

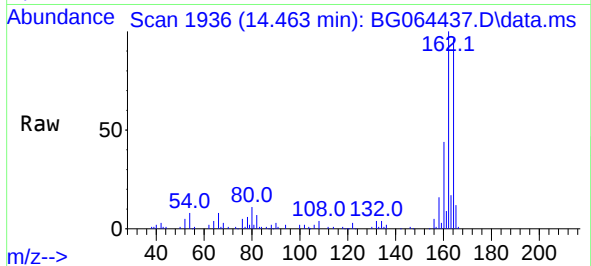
Tgt Ion:	82	Resp:	85833
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.6	48.8
54	70.6	54.7	82.1



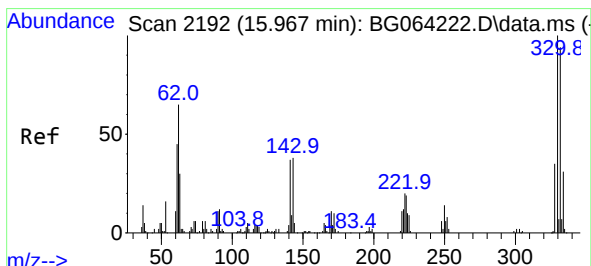
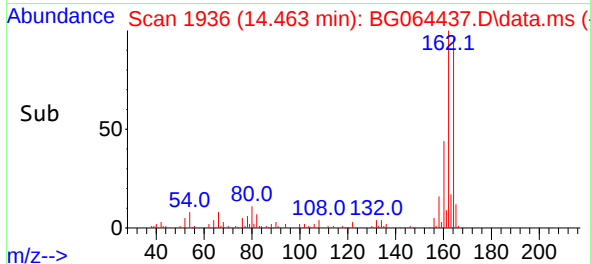
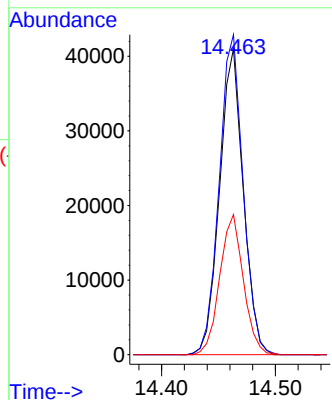


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.018 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Instrument :
BNA_G
ClientSampleId :
COMP-1

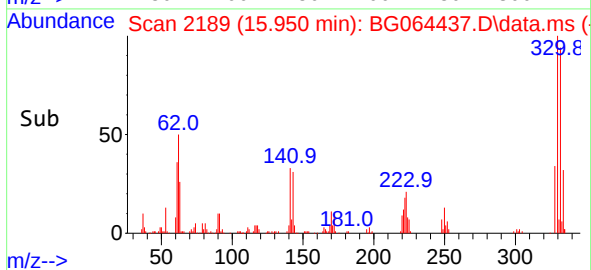
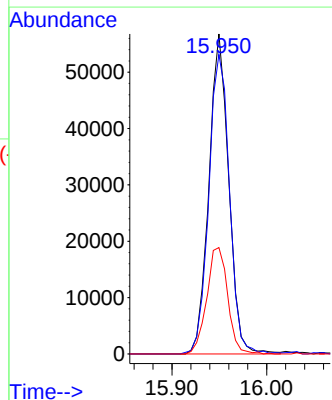
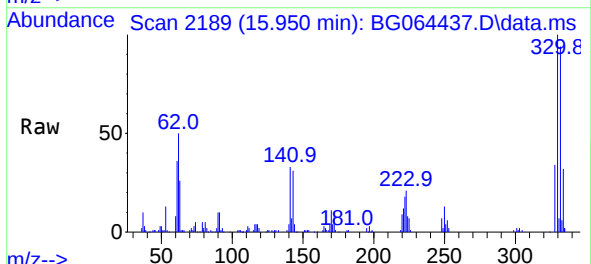


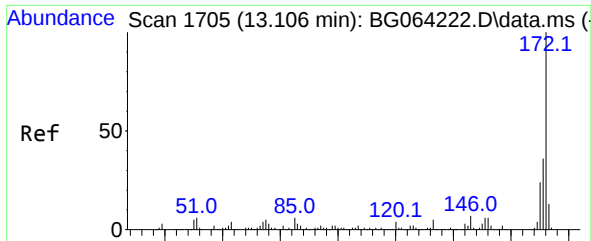
Tgt Ion:164 Resp: 59255
Ion Ratio Lower Upper
164 100
162 104.5 85.4 128.0
160 45.8 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 104.986 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

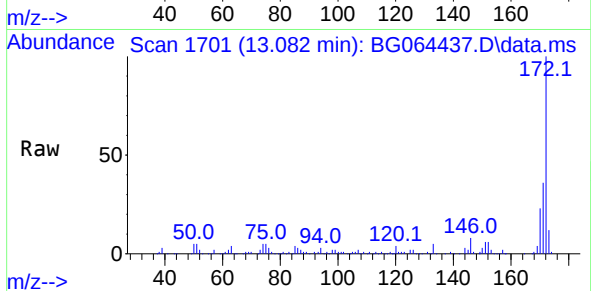
Tgt Ion:330 Resp: 82399
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 35.2 29.8 44.6



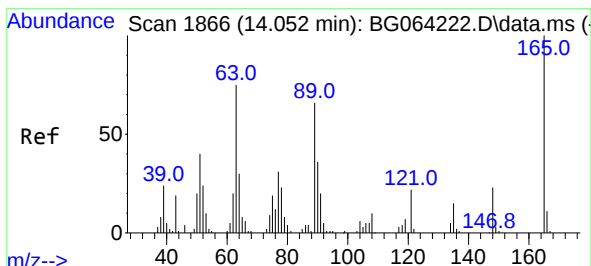
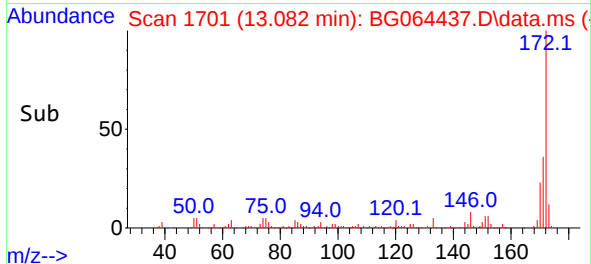
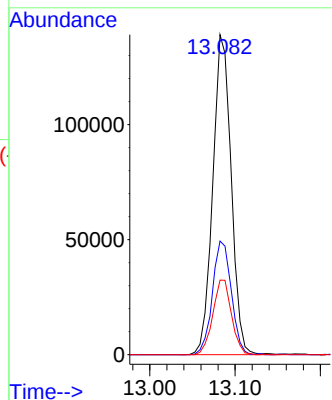


#45
2-Fluorobiphenyl
Concen: 53.608 ng
RT: 13.082 min Scan# 1
Delta R.T. -0.029 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Instrument :
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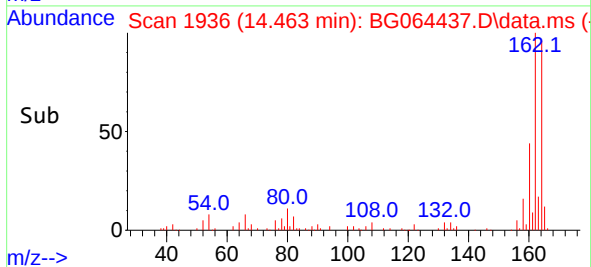
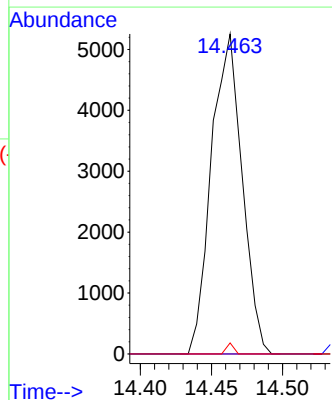
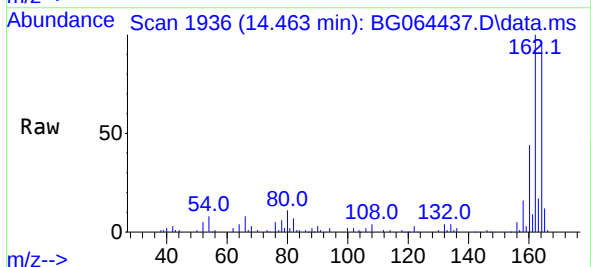


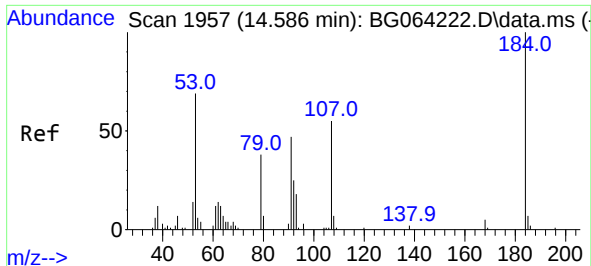
Tgt Ion:172 Resp: 208112
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.3 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.106 ng
RT: 14.463 min Scan# 1936
Delta R.T. 0.405 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:165 Resp: 7907
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 3.4 52.9 79.3#

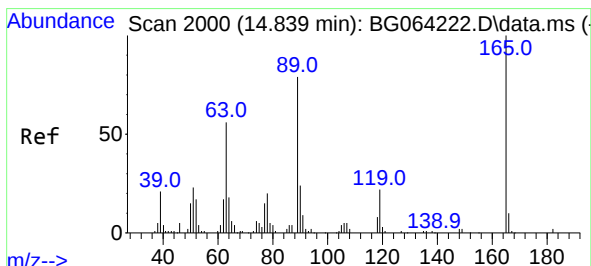
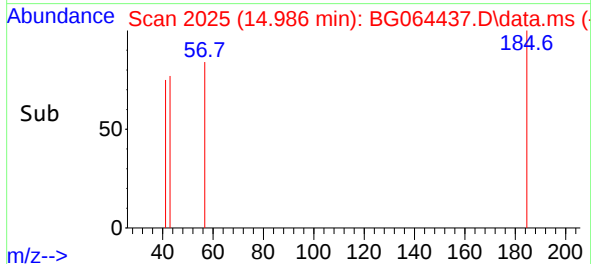
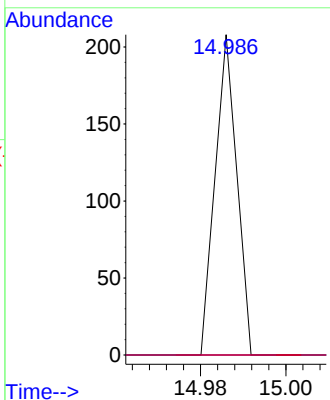
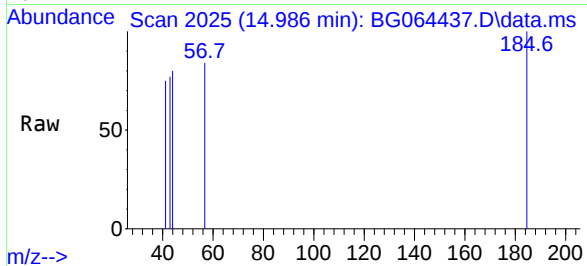




#54
2,4-Dinitrophenol
Concen: 5.771 ng
RT: 14.986 min Scan# 20
Delta R.T. 0.394 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

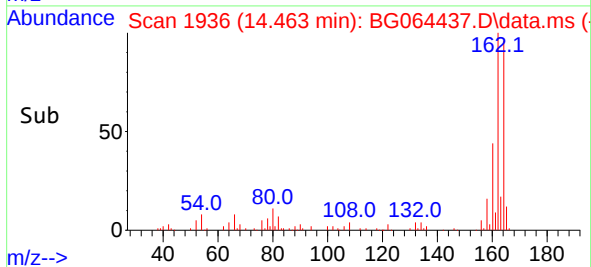
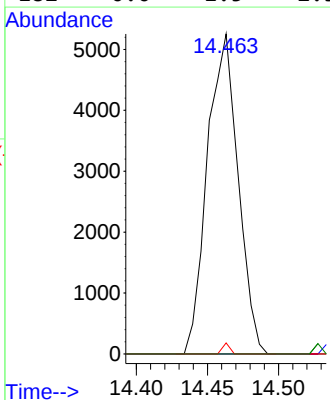
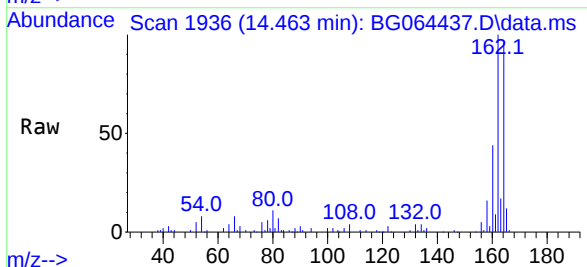
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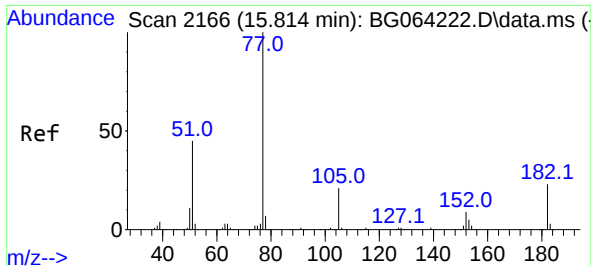
Tgt Ion:	184	Resp:	73
Ion	Ratio	Lower	Upper
184	100		
63	0.0	60.1	90.1#
154	0.0	59.8	89.8#



#57
2,4-Dinitrotoluene
Concen: 6.023 ng
RT: 14.463 min Scan# 1936
Delta R.T. -0.382 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:	165	Resp:	7907
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.6	67.0#
89	3.4	63.0	94.4#
182	0.0	1.5	2.3#

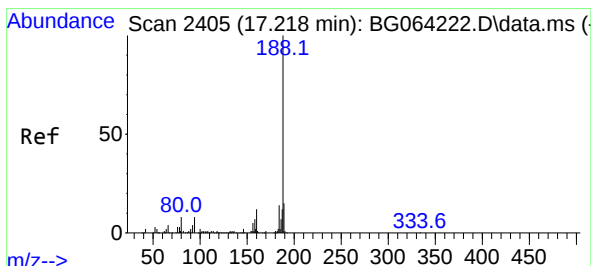
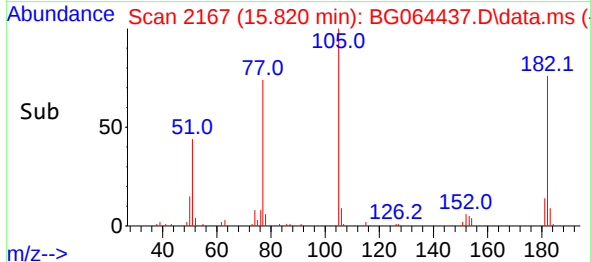
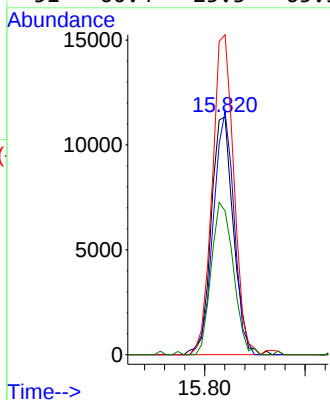
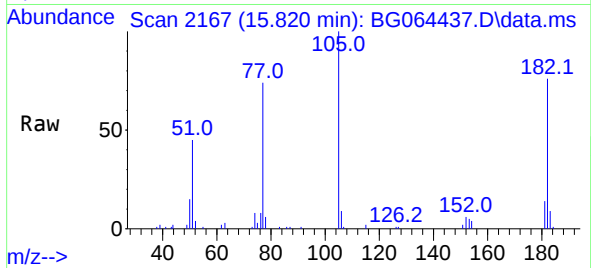




#63
Azobenzene
Concen: 4.072 ng
RT: 15.820 min Scan# 2166
Delta R.T. -0.000 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

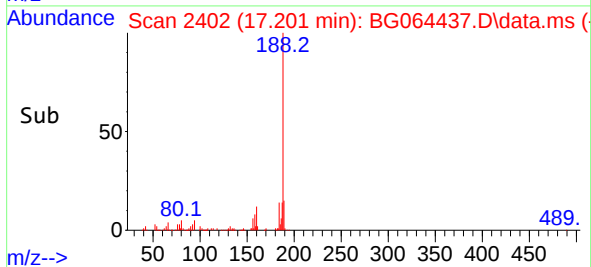
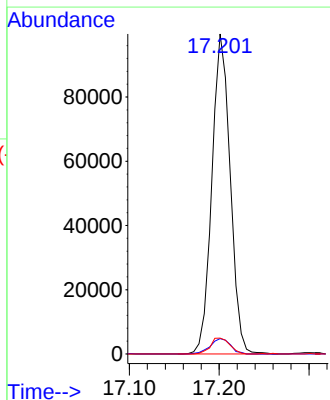
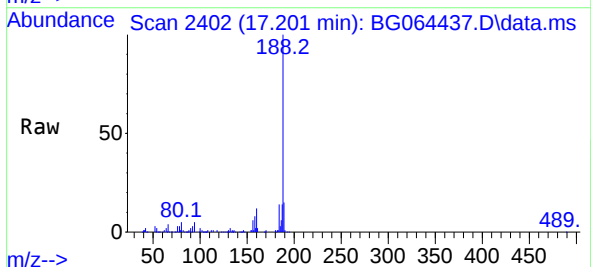
Instrument :
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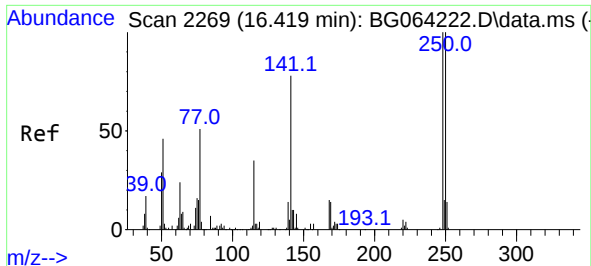
Tgt Ion: 77 Resp: 17419
Ion Ratio Lower Upper
77 100
182 102.1 3.3 43.3#
105 134.5 0.6 40.6#
51 60.4 25.3 65.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2402
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

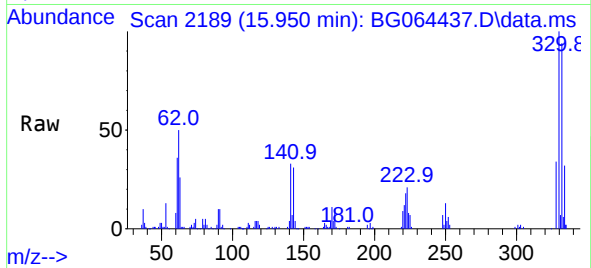
Tgt Ion:188 Resp: 141083
Ion Ratio Lower Upper
188 100
94 4.8 6.2 9.4#
80 4.9 6.8 10.2#



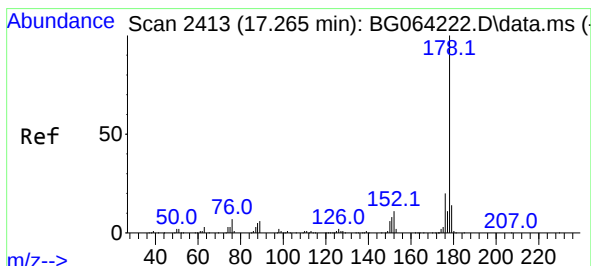
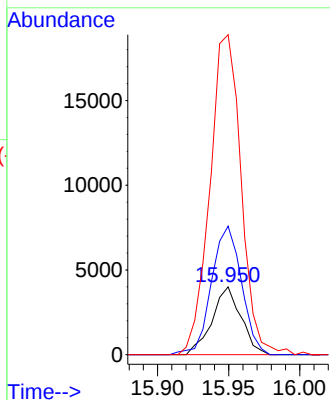
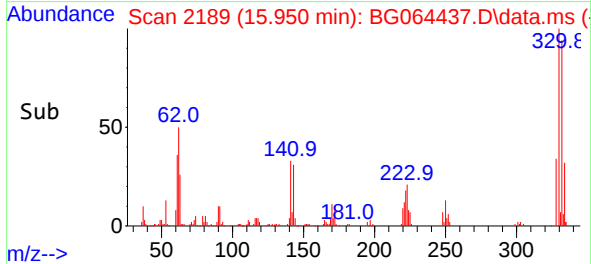


#67
4-Bromophenyl-phenylether
Concen: 3.786 ng
RT: 15.950 min Scan# 2189
Delta R.T. -0.470 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

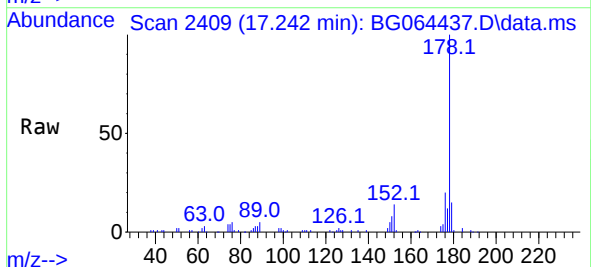
Instrument :
BNA_G
ClientSampleId :
COMP-1



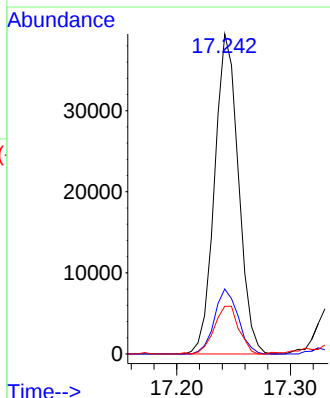
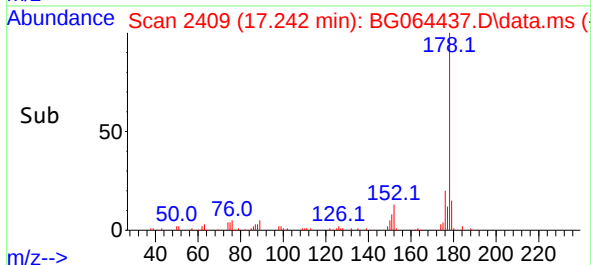
Tgt Ion:248 Resp: 5673
Ion Ratio Lower Upper
248 100
250 189.3 80.2 120.4#
141 471.4 62.4 93.6#

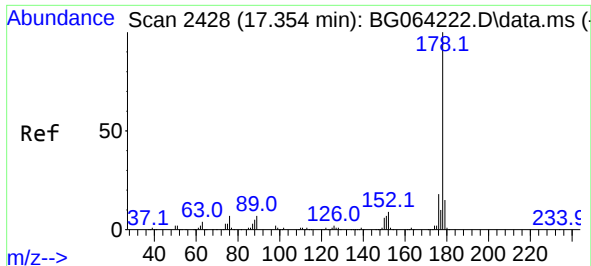


#71
Phenanthrene
Concen: 7.717 ng
RT: 17.242 min Scan# 2409
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18



Tgt Ion:178 Resp: 57420
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 14.9 11.4 17.2

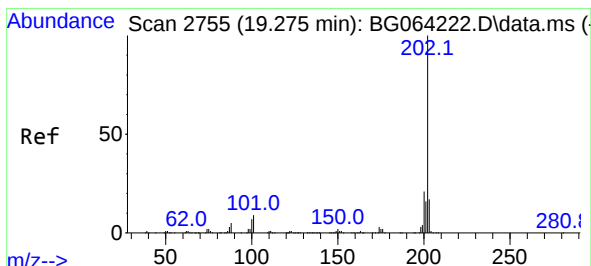
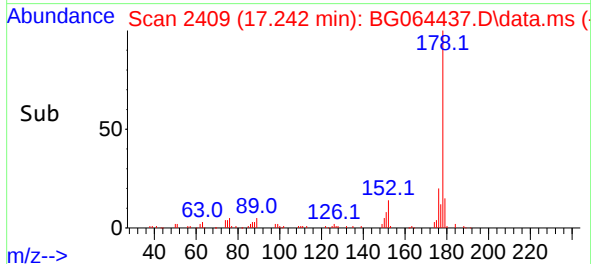
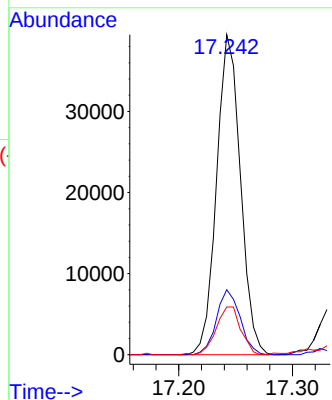
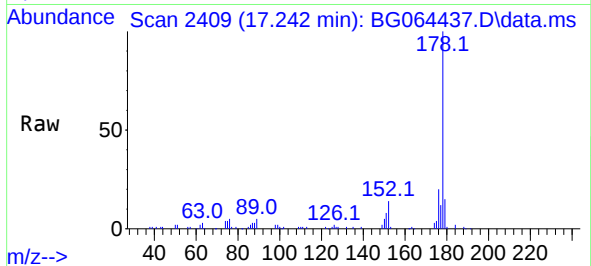




#72
Anthracene
Concen: 7.586 ng
RT: 17.242 min Scan# 2428
Delta R.T. -0.118 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

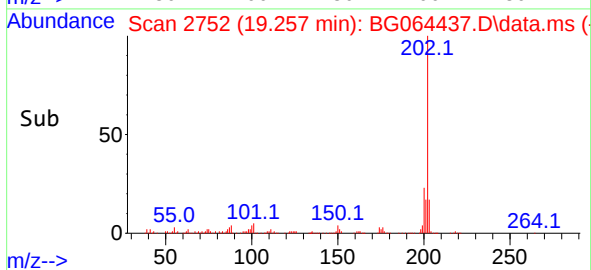
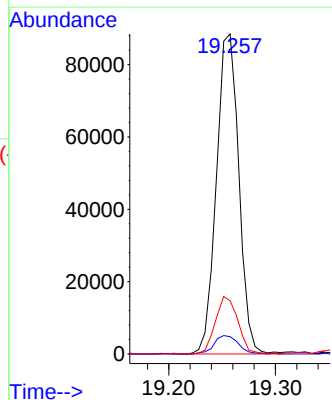
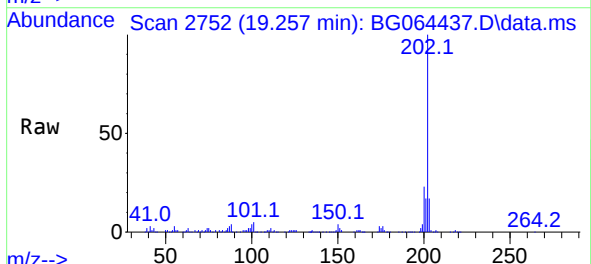
Instrument :
BNA_G
ClientSampleId :
COMP-1

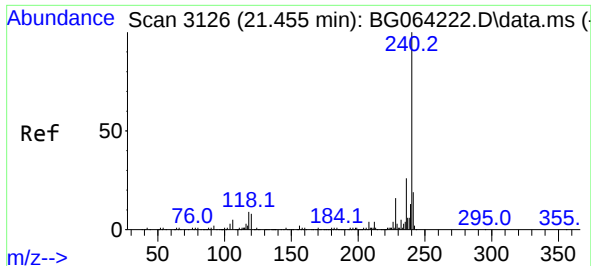
Tgt Ion:178 Resp: 57420
Ion Ratio Lower Upper
178 100
176 20.3 14.7 22.1
179 14.9 12.1 18.1



#75
Fluoranthene
Concen: 14.754 ng
RT: 19.257 min Scan# 2752
Delta R.T. -0.018 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:202 Resp: 129086
Ion Ratio Lower Upper
202 100
101 5.4 0.0 28.7
203 16.6 0.0 36.9

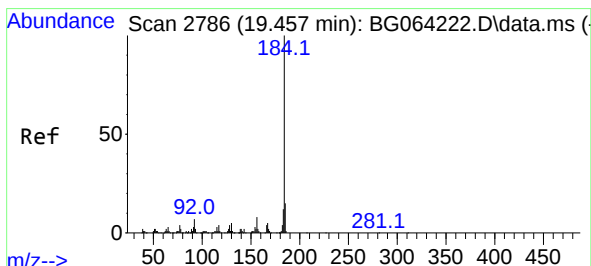
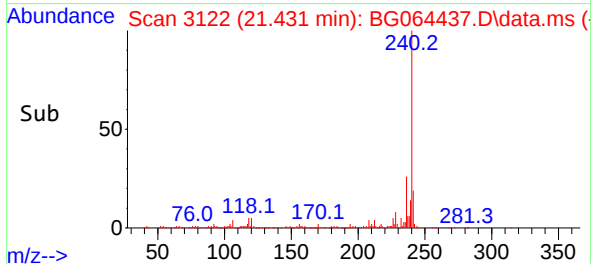
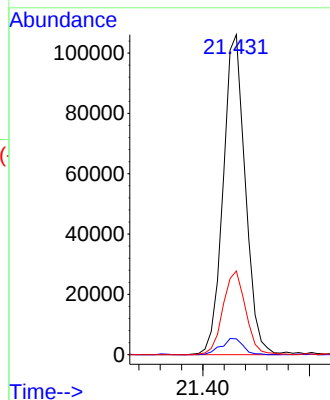
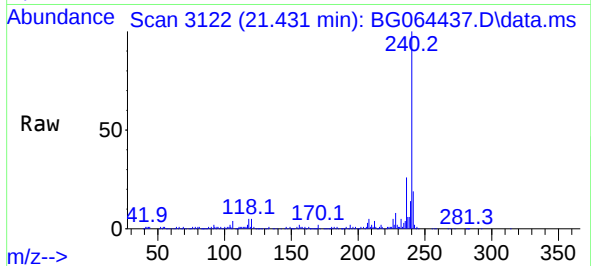




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.431 min Scan# 31
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

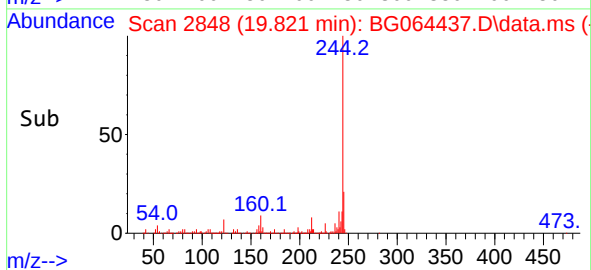
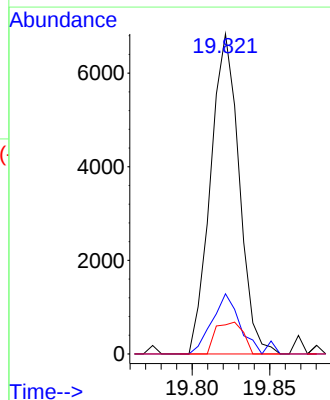
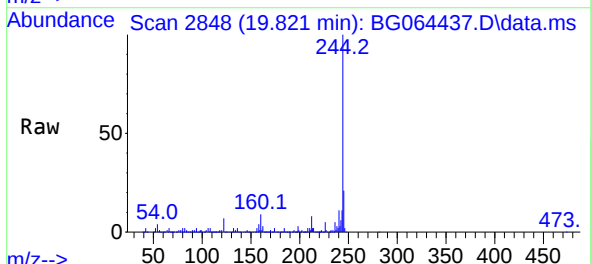
Instrument :
BNA_G
ClientSampleId :
COMP-1

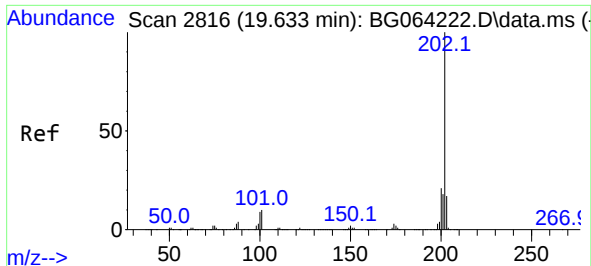
Tgt Ion:240 Resp: 152528
Ion Ratio Lower Upper
240 100
120 4.9 6.2 9.4#
236 26.1 20.5 30.7



#77
Benzidine
Concen: 2.736 ng
RT: 19.821 min Scan# 2848
Delta R.T. 0.364 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:184 Resp: 8780
Ion Ratio Lower Upper
184 100
185 18.8 11.7 17.5#
183 9.1 9.7 14.5#

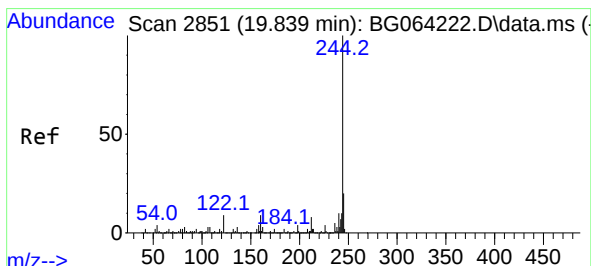
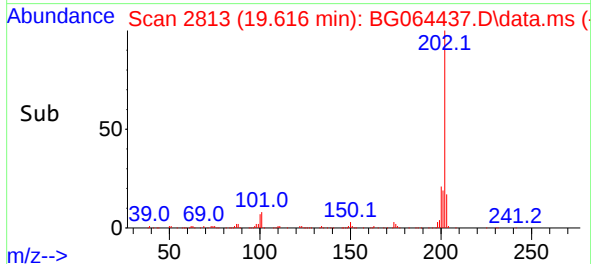
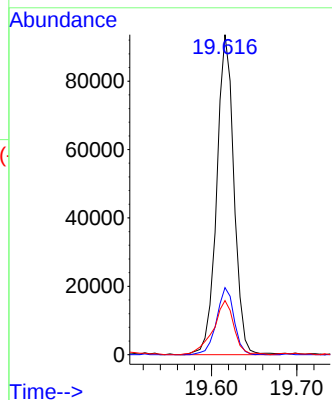
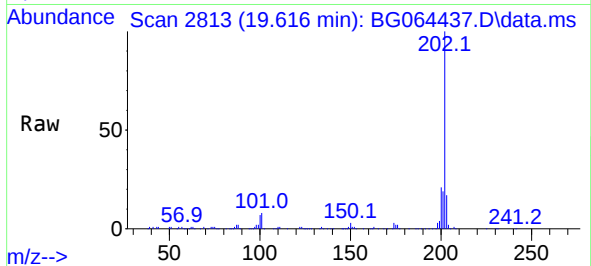




#78
Pyrene
Concen: 13.669 ng
RT: 19.616 min Scan# 21
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

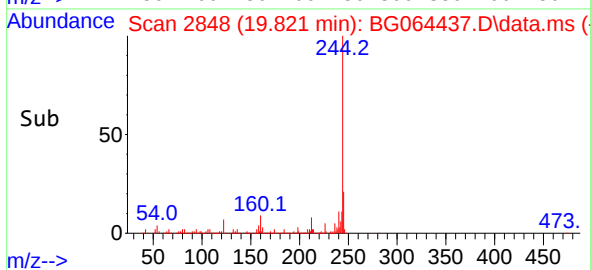
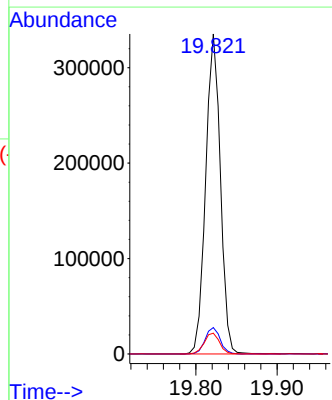
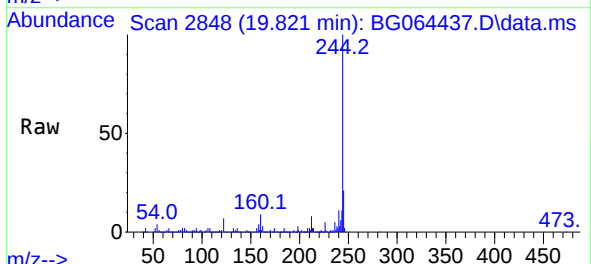
Instrument :
BNA_G
ClientSampleId :
COMP-1

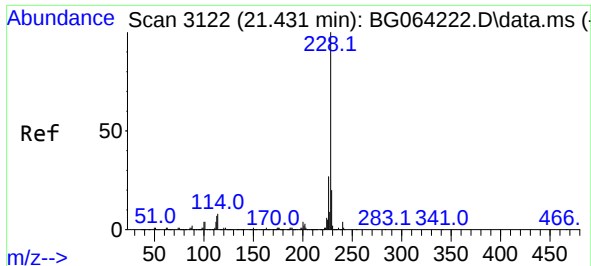
Tgt Ion:	202	Resp:	131355
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	16.9	13.8	20.8



#79
Terphenyl-d14
Concen: 57.480 ng
RT: 19.821 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:	244	Resp:	420225
Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	6.5	7.0	10.6#

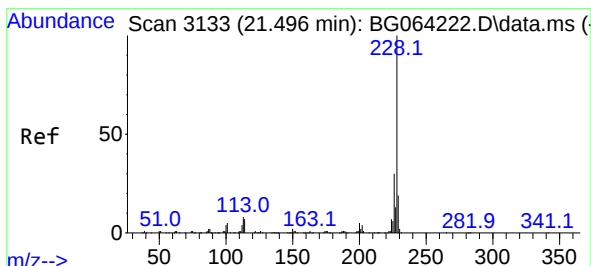
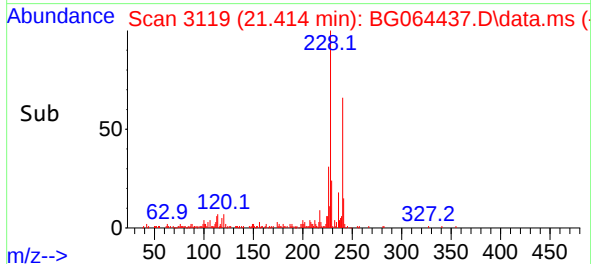
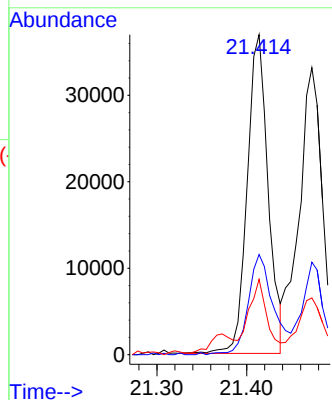
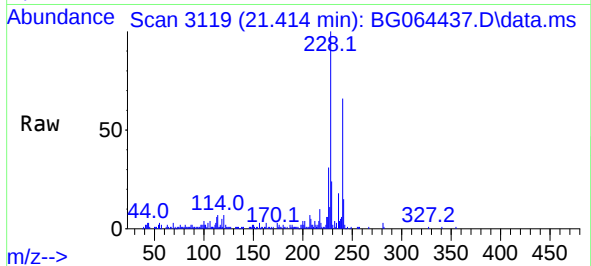




#81
Benzo(a)anthracene
Concen: 6.122 ng
RT: 21.414 min Scan# 3119
Delta R.T. -0.024 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

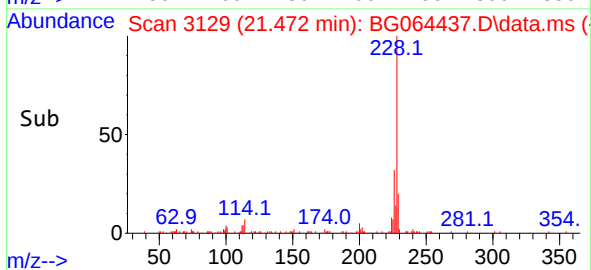
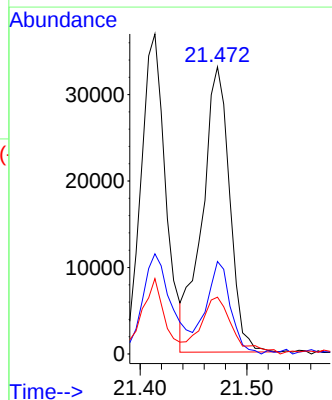
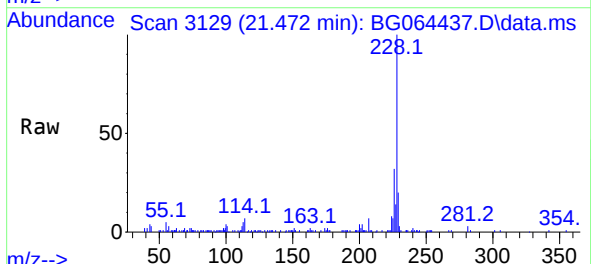
Instrument :
BNA_G
ClientSampleId :
COMP-1

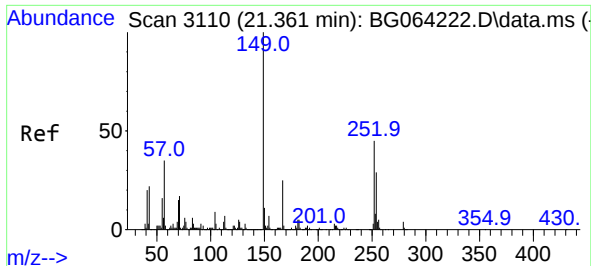
Tgt Ion:228 Resp: 59739
Ion Ratio Lower Upper
228 100
226 31.3 21.7 32.5
229 23.6 15.9 23.9



#83
Chrysene
Concen: 6.310 ng
RT: 21.472 min Scan# 3129
Delta R.T. -0.030 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:228 Resp: 59110
Ion Ratio Lower Upper
228 100
226 32.2 24.2 36.2
229 19.8 15.4 23.2

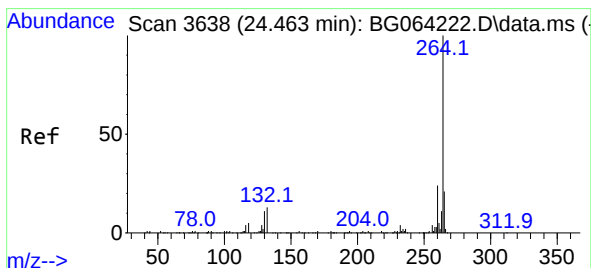
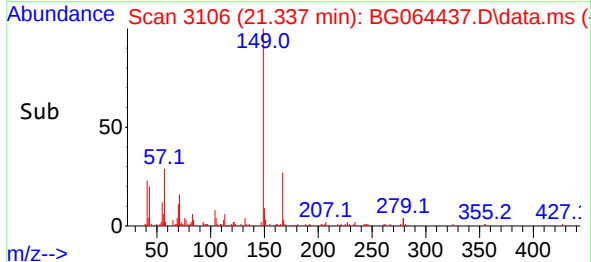
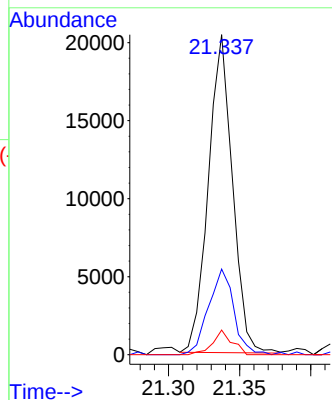
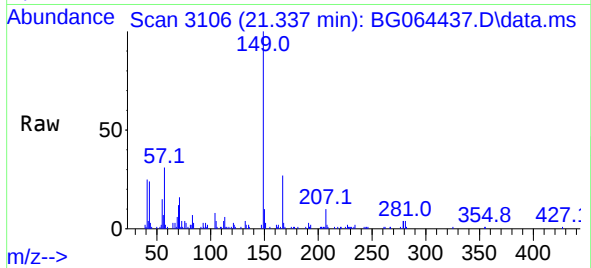




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.414 ng
RT: 21.337 min Scan# 3110
Delta R.T. -0.029 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

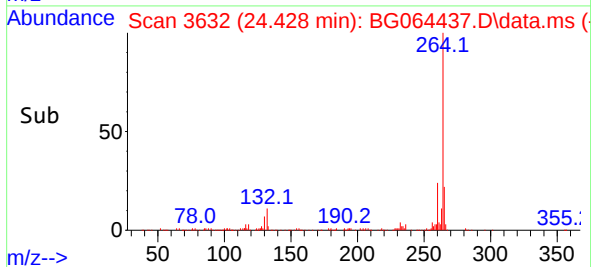
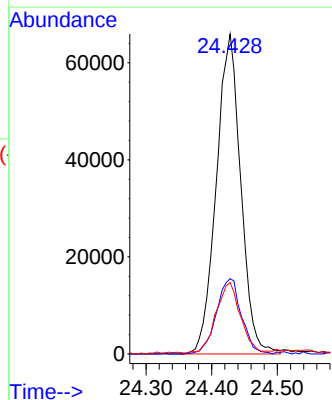
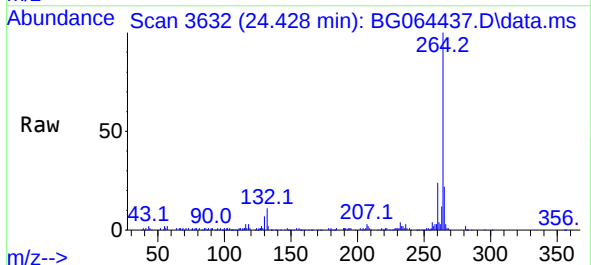
Instrument :
BNA_G
ClientSampleId :
COMP-1

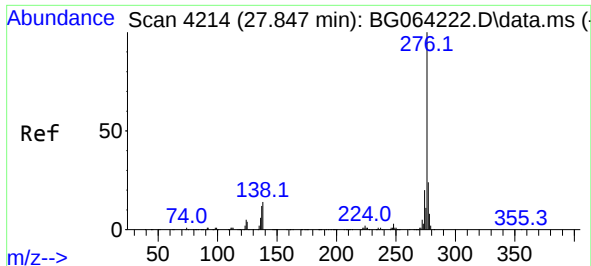
Tgt Ion:149 Resp: 24018
Ion Ratio Lower Upper
149 100
167 26.8 20.0 30.0
279 7.7 3.0 4.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.428 min Scan# 3632
Delta R.T. -0.035 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:264 Resp: 170295
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.3 16.7 25.1

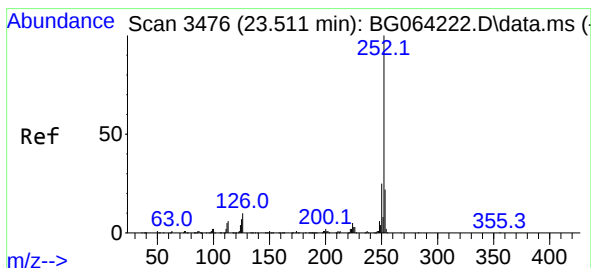
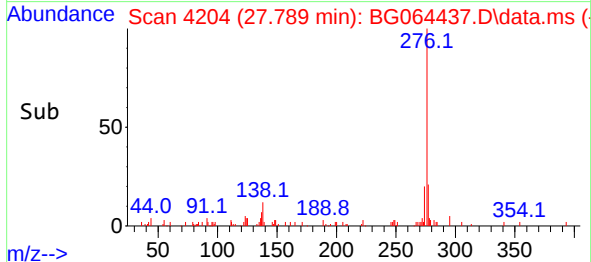
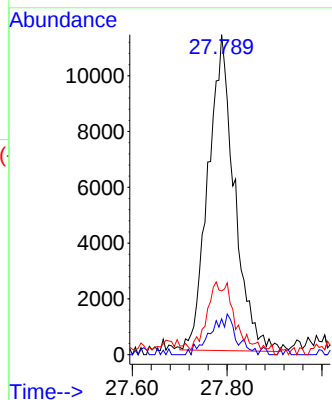
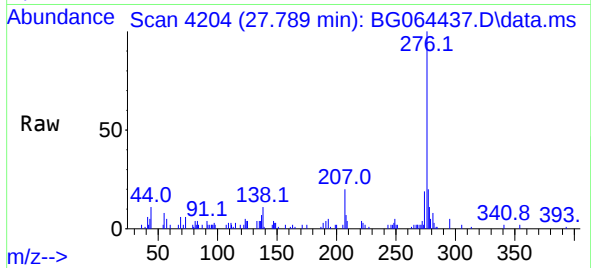




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.756 ng
RT: 27.789 min Scan# 41
Delta R.T. -0.082 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

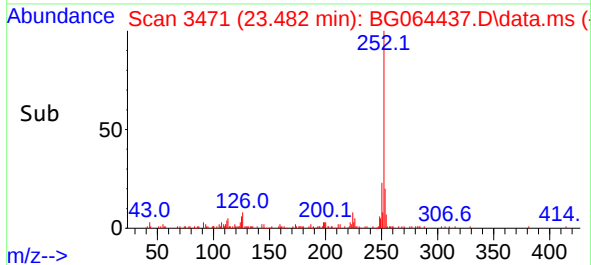
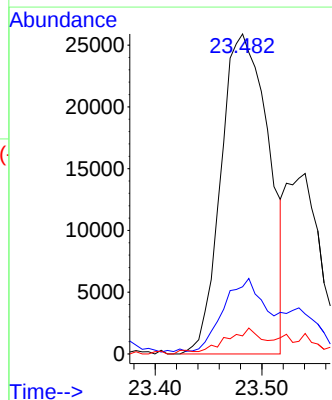
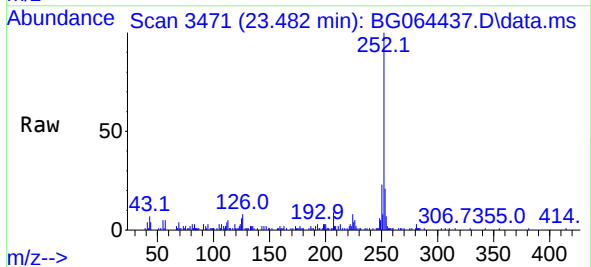
Instrument :
BNA_G
ClientSampleId :
COMP-1

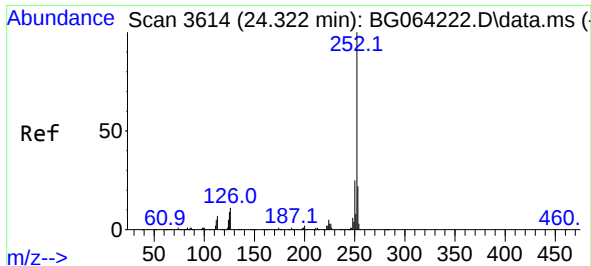
Tgt Ion:276 Resp: 43681
Ion Ratio Lower Upper
276 100
138 10.9 7.4 11.0
277 0.0 20.5 30.7#



#88
Benzo(b)fluoranthene
Concen: 8.374 ng
RT: 23.482 min Scan# 3471
Delta R.T. -0.035 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:252 Resp: 80480
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 5.6 5.9 8.9#

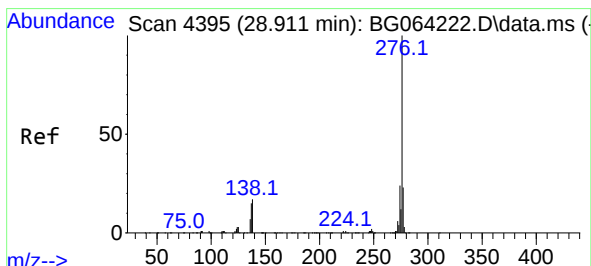
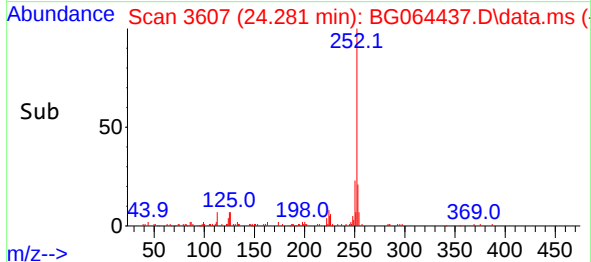
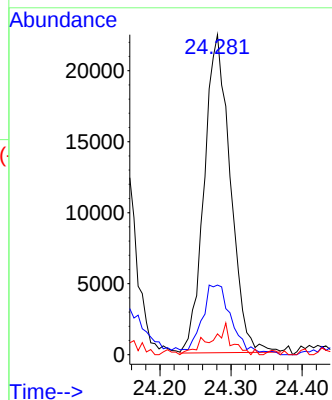
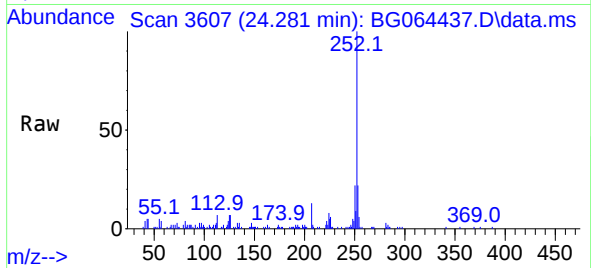




#90
Benzo(a)pyrene
Concen: 6.409 ng
RT: 24.281 min Scan# 30
Delta R.T. -0.047 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:252 Resp: 57298
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.2
125 6.5 7.0 10.6#



#92
Benzo(g,h,i)perylene
Concen: 4.970 ng
RT: 28.829 min Scan# 4381
Delta R.T. -0.106 min
Lab File: BG064437.D
Acq: 23 Sep 2025 13:18

Tgt Ion:276 Resp: 45161
Ion Ratio Lower Upper
276 100
277 19.6 18.2 27.4
138 19.3 13.3 19.9

