

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
 Data File : BG064804.D
 Acq On : 18 Nov 2025 15:40
 Operator : RC/JU
 Sample : Q3658-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-07-111725

Quant Time: Nov 18 16:15:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

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

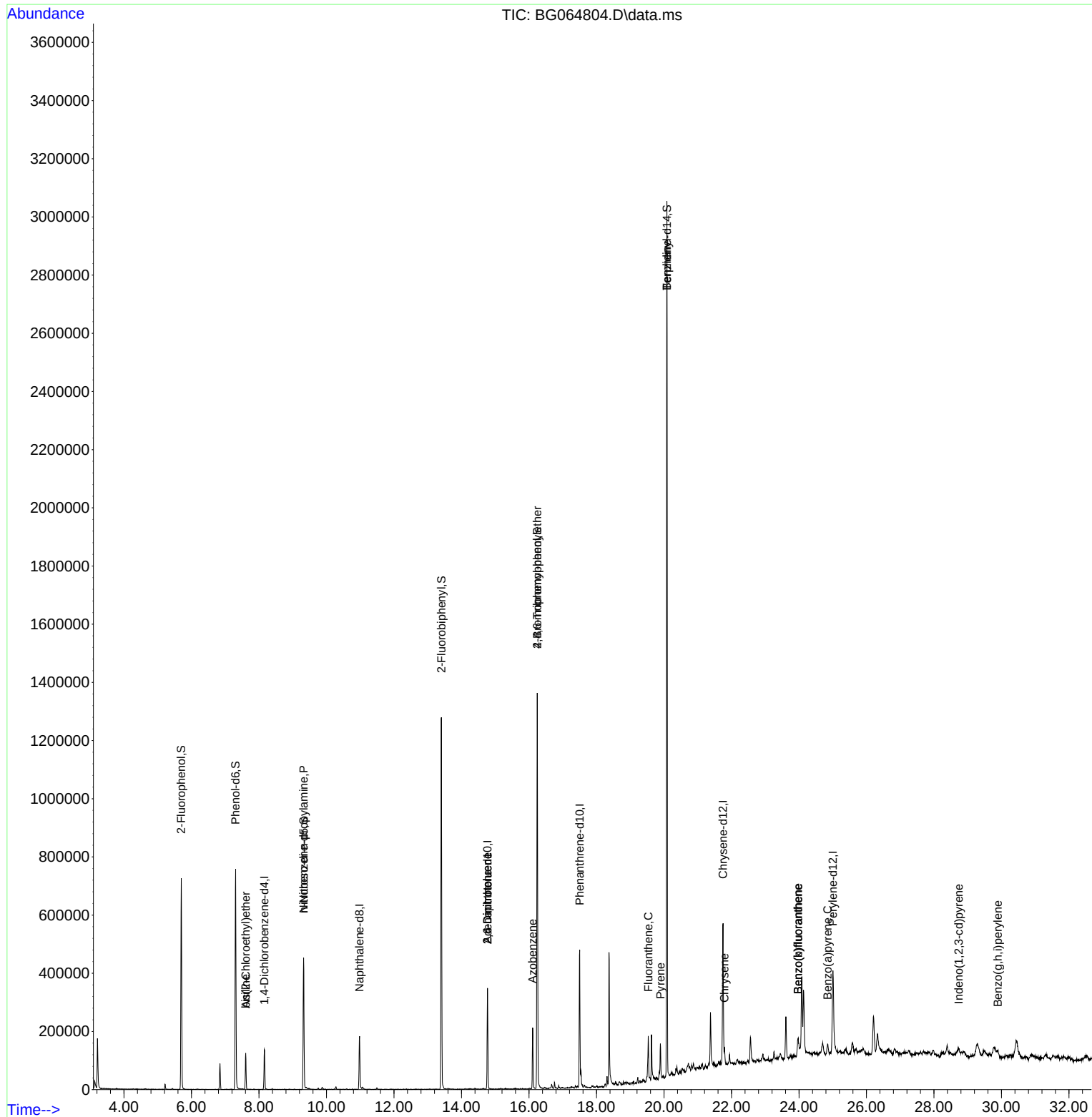
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.160	152	40788	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	162020	20.000	ng	0.00
39) Acenaphthene-d10	14.770	164	133849	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	317805	20.000	ng	0.00
76) Chrysene-d12	21.750	240	331043	20.000	ng	0.00
86) Perylene-d12	25.005	264	347601	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	305424	130.758	ng	0.00
7) Phenol-d6	7.308	99	432341	139.164	ng	0.00
23) Nitrobenzene-d5	9.323	82	269576	82.265	ng	0.00
42) 2,4,6-Tribromophenol	16.245	330	333910	127.912	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	731479	76.255	ng	0.00
79) Terphenyl-d14	20.087	244	1585633	94.220	ng	0.00
Target Compounds						
						Qvalue
6) Aniline	7.608	93	45270	10.932	ng	# 46
11) bis(2-Chloroethyl)ether	7.608	93	45270	18.821	ng	# 12
19) n-Nitroso-di-n-propyla...	9.323	70	36319	17.290	ng	# 66
51) 2,6-Dinitrotoluene	14.770	165	17493	8.598	ng	# 22
57) 2,4-Dinitrotoluene	14.770	165	17493	5.735	ng	# 26
63) Azobenzene	16.110	77	59580	7.072	ng	# 1
67) 4-Bromophenyl-phenylether	16.245	248	20591	4.934	ng	# 1
75) Fluoranthene	19.535	202	82913	3.487	ng	99
77) Benzidine	20.087	184	21891	2.208	ng	# 92
78) Pyrene	19.893	202	72011	3.881	ng	98
83) Chrysene	21.791	228	49042	2.311	ng	97
87) Indeno(1,2,3-cd)pyrene	28.730	276	49894	2.089	ng	# 91
88) Benzo(b)fluoranthene	23.971	252	81364	3.678	ng	# 95
89) Benzo(k)fluoranthene	23.971	252	81364	3.661	ng	# 96
90) Benzo(a)pyrene	24.852	252	45451	2.215	ng	# 96
92) Benzo(g,h,i)perylene	29.893	276	52330	2.779	ng	# 98

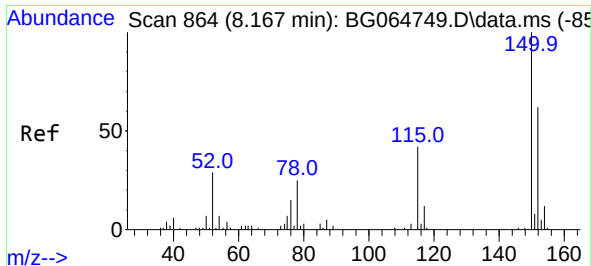
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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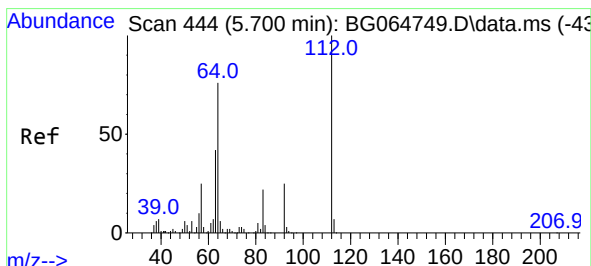
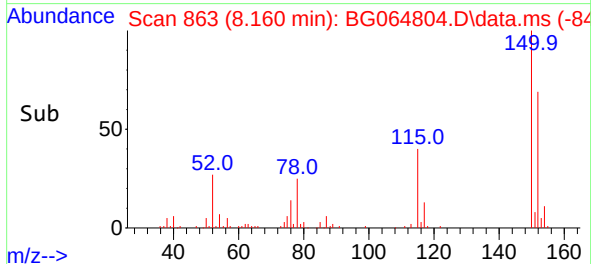
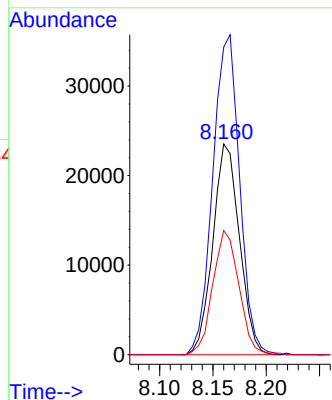
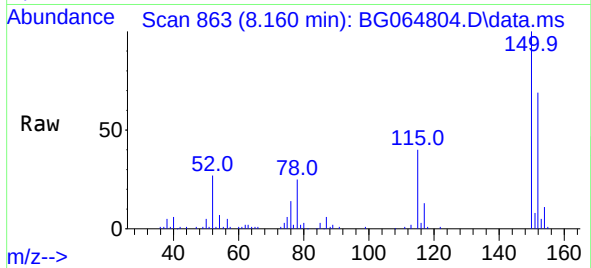




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.160 min Scan# 864
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

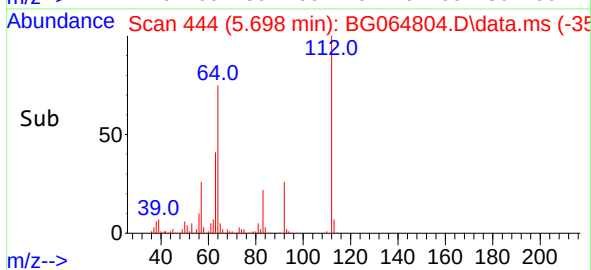
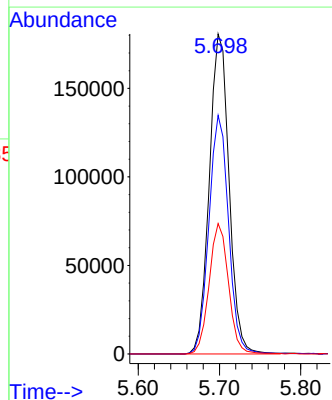
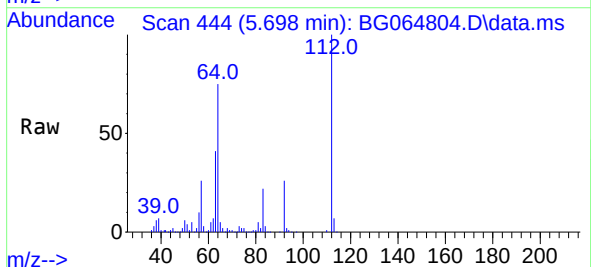
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

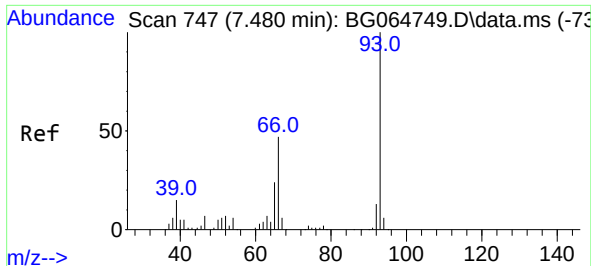
Tgt Ion:152 Resp: 40788
Ion Ratio Lower Upper
152 100
150 145.9 129.2 193.8
115 58.9 53.7 80.5



#5
2-Fluorophenol
Concen: 130.758 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.001 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:112 Resp: 305424
Ion Ratio Lower Upper
112 100
64 74.6 61.0 91.4
63 40.8 33.3 49.9

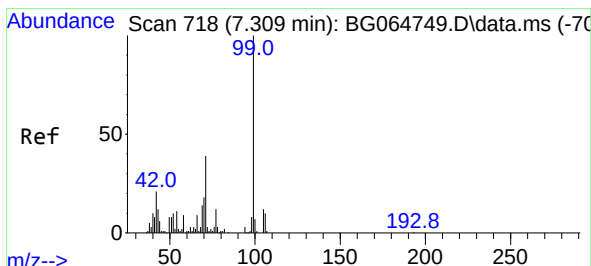
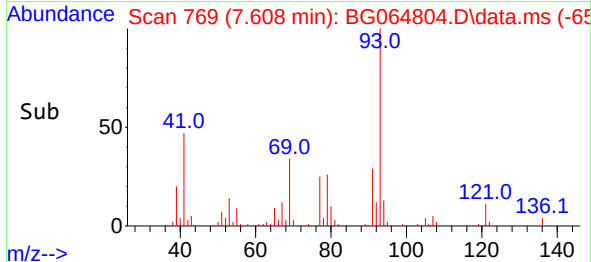
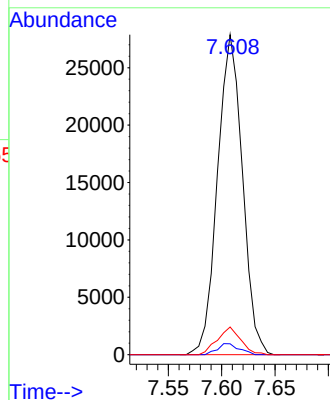
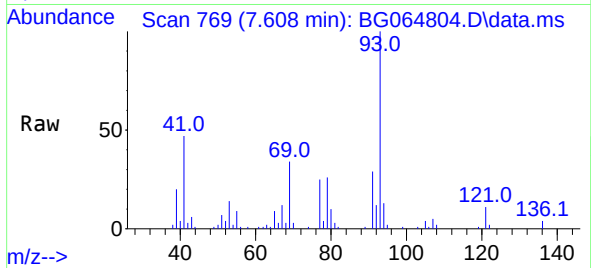




#6
Aniline
Concen: 10.932 ng
RT: 7.608 min Scan# 718
Delta R.T. 0.128 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

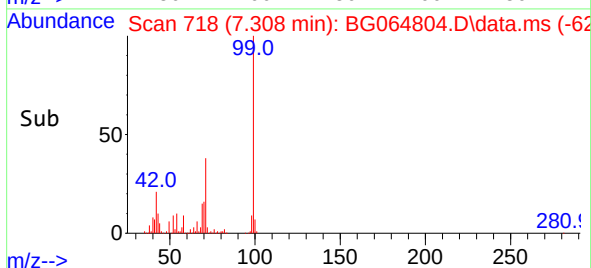
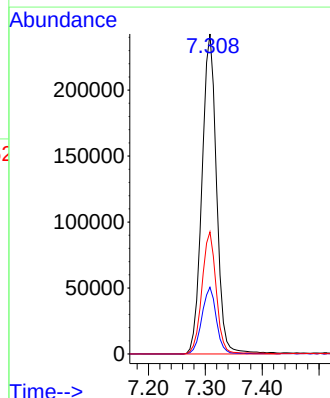
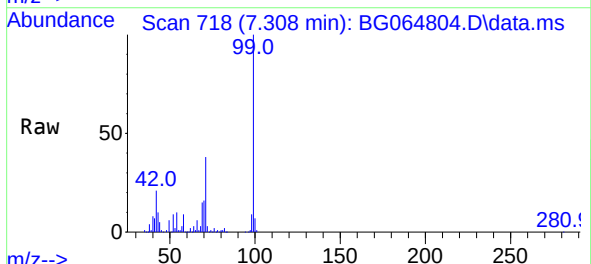
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

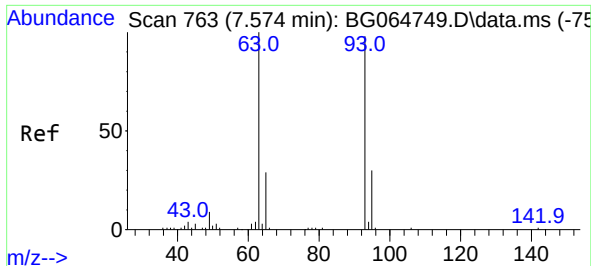
Tgt Ion: 93 Resp: 45270
Ion Ratio Lower Upper
93 100
66 3.4 37.7 56.5#
65 8.6 19.1 28.7#



#7
Phenol-d6
Concen: 139.164 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.001 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion: 99 Resp: 432341
Ion Ratio Lower Upper
99 100
42 20.9 16.8 25.2
71 38.1 31.1 46.7

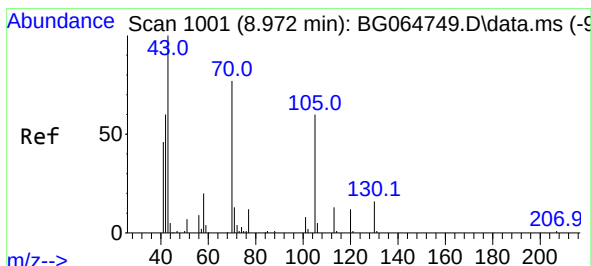
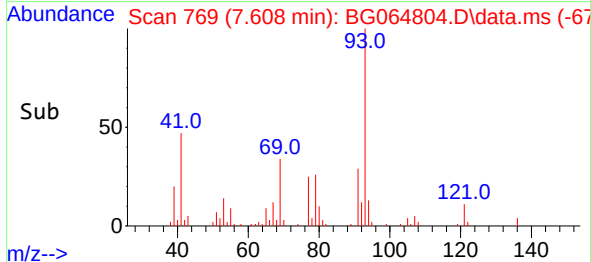
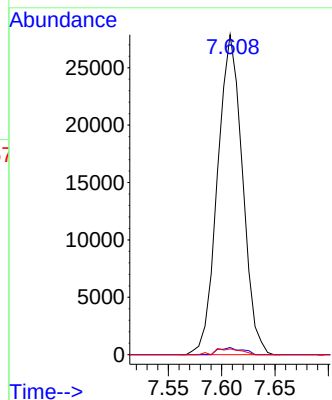
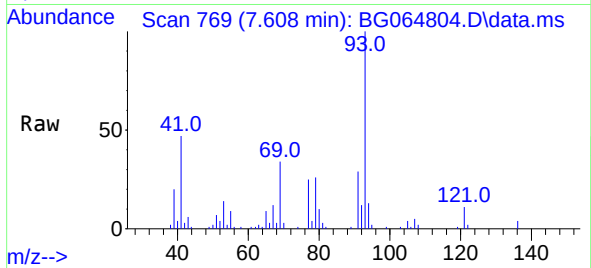




#11
bis(2-Chloroethyl)ether
Concen: 18.821 ng
RT: 7.608 min Scan# 70
Delta R.T. 0.034 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

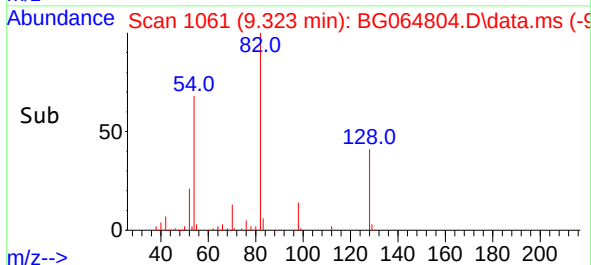
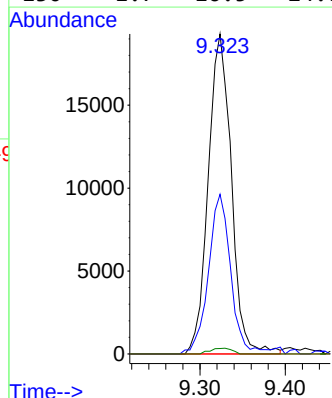
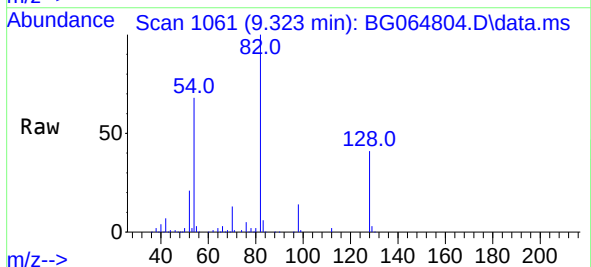
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

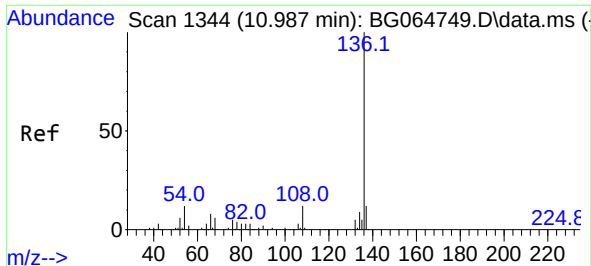
Tgt Ion: 93 Resp: 45270
Ion Ratio Lower Upper
93 100
63 2.2 81.8 121.8#
95 1.8 10.3 50.3#



#19
n-Nitroso-di-n-propylamine
Concen: 17.290 ng
RT: 9.323 min Scan# 1061
Delta R.T. 0.351 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion: 70 Resp: 36319
Ion Ratio Lower Upper
70 100
42 49.9 62.6 93.8#
101 0.0 8.0 12.0#
130 1.7 16.5 24.7#



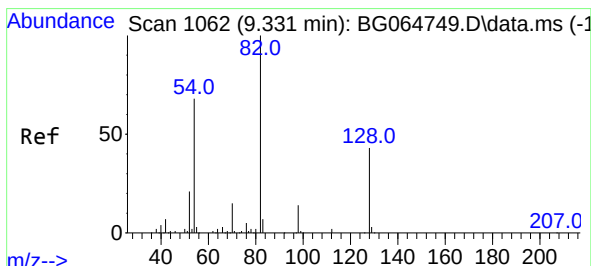
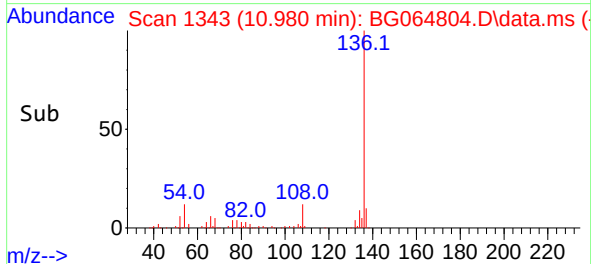
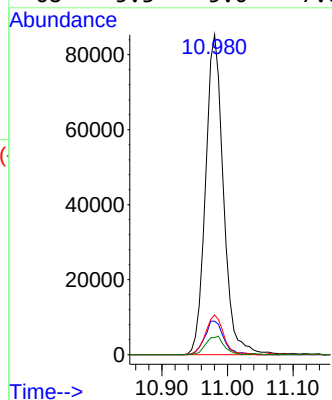
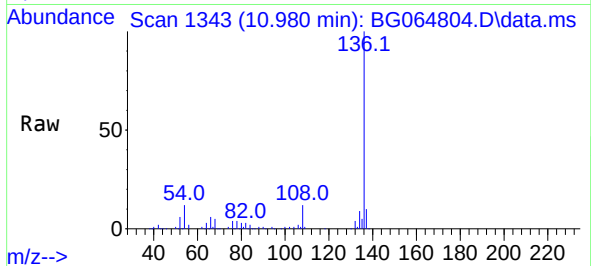


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Instrument :
BNA_G
ClientSampleId :
NB-07-111725

Tgt Ion:136 Resp: 162020

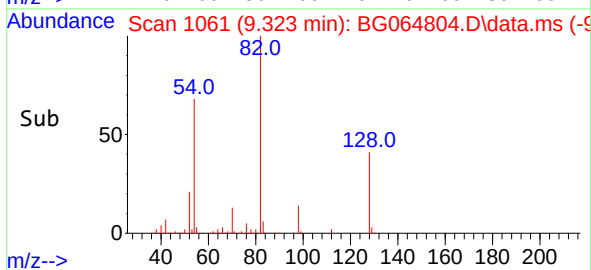
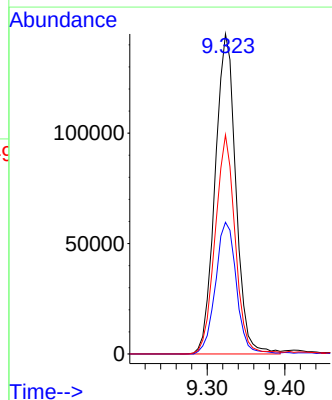
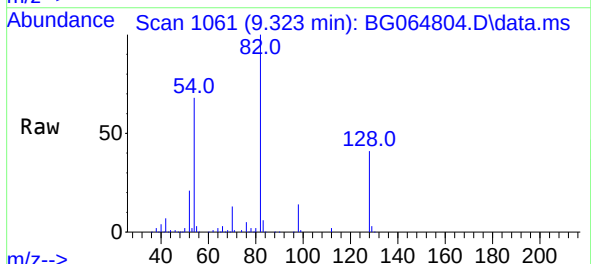
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.3	13.9
54	12.4	9.3	13.9
68	5.3	5.0	7.6

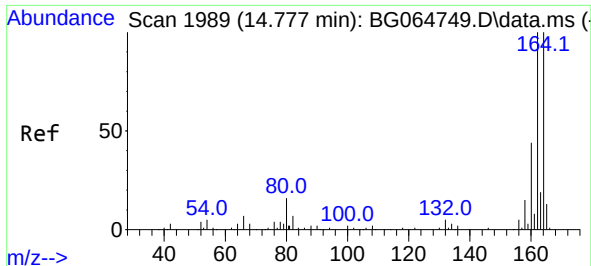


#23
Nitrobenzene-d5
Concen: 82.265 ng
RT: 9.323 min Scan# 1061
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion: 82 Resp: 269576

Ion	Ratio	Lower	Upper
82	100		
128	41.1	34.1	51.1
54	68.5	54.3	81.5

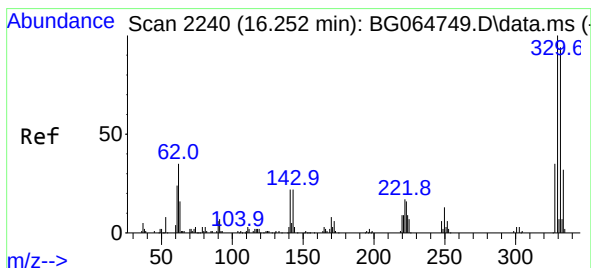
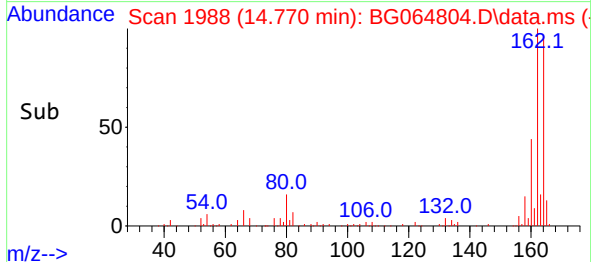
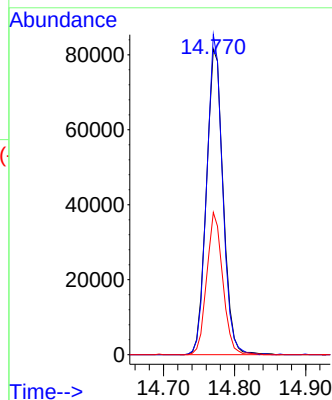
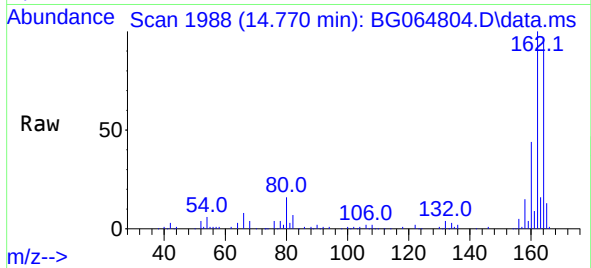




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.770 min Scan# 1989
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

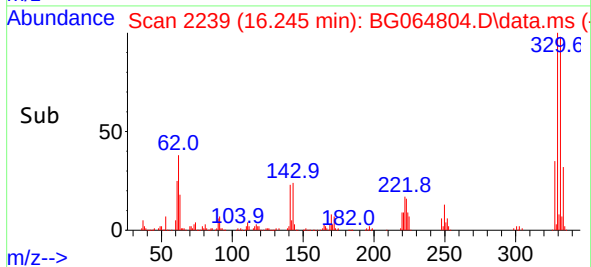
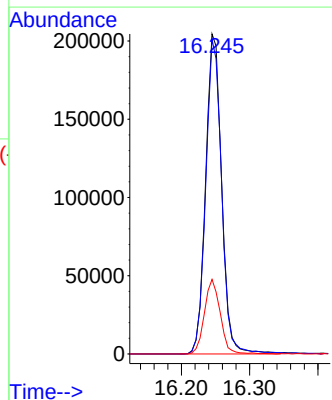
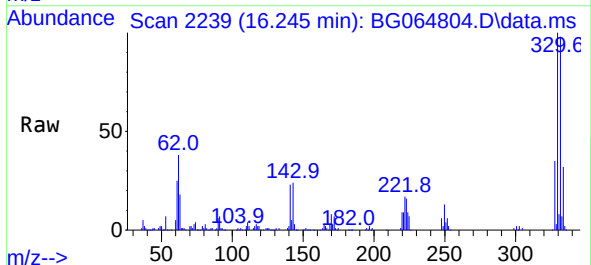
Instrument :
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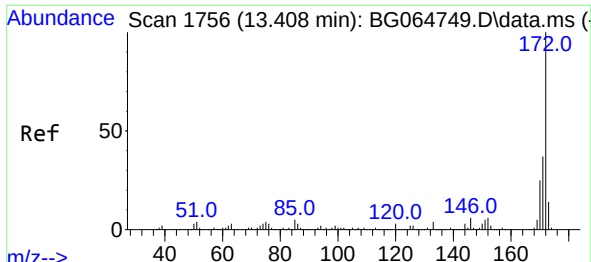
Tgt Ion:164 Resp: 133849
Ion Ratio Lower Upper
164 100
162 104.7 79.8 119.6
160 46.6 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 127.912 ng
RT: 16.245 min Scan# 2239
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:330 Resp: 333910
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 22.8 18.2 27.2



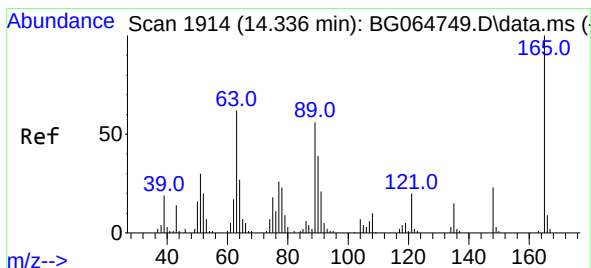
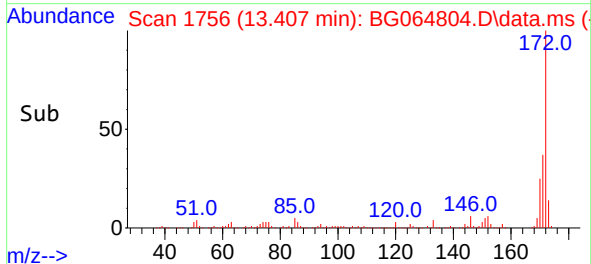
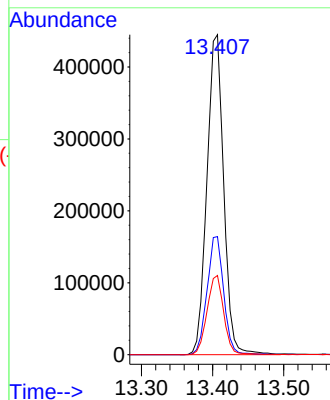
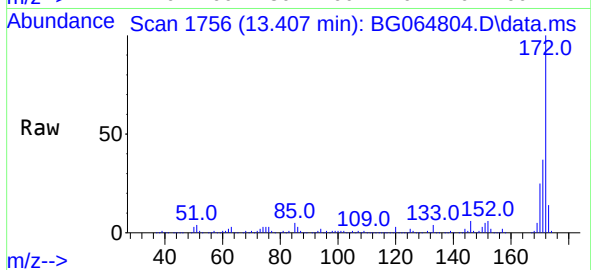


#45
2-Fluorobiphenyl
Concen: 76.255 ng
RT: 13.407 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Instrument :
BNA_G
ClientSampleId :
NB-07-111725

Tgt Ion:172 Resp: 731479

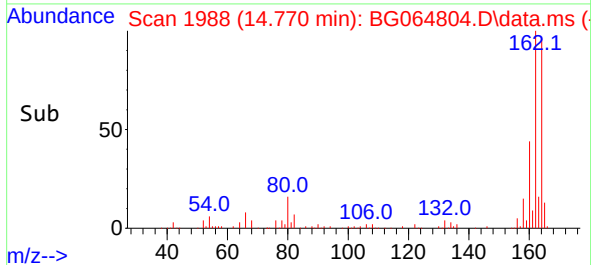
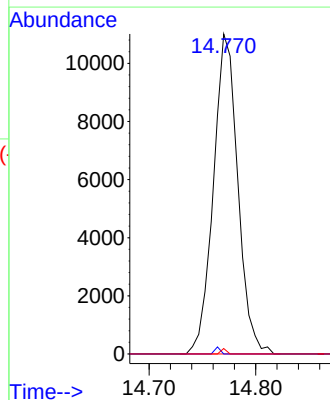
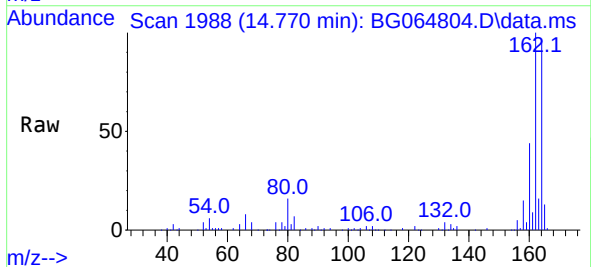
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.9	44.9
170	24.7	19.8	29.6

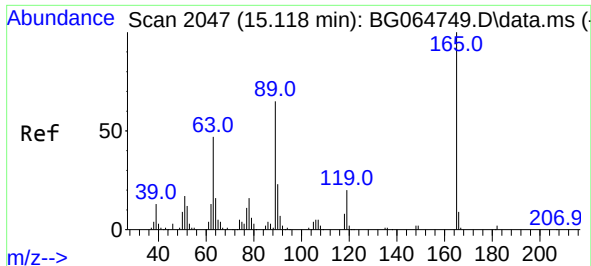


#51
2,6-Dinitrotoluene
Concen: 8.598 ng
RT: 14.770 min Scan# 1988
Delta R.T. 0.434 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:165 Resp: 17493

Ion	Ratio	Lower	Upper
165	100		
63	0.0	49.8	74.8#
89	1.7	45.0	67.4#





#57

2,4-Dinitrotoluene

Concen: 5.735 ng

RT: 14.770 min Scan# 14

Delta R.T. -0.348 min

Lab File: BG064804.D

Acq: 18 Nov 2025 15:40

Instrument :

BNA_G

ClientSampleId :

NB-07-111725

Tgt Ion:165 Resp: 17493

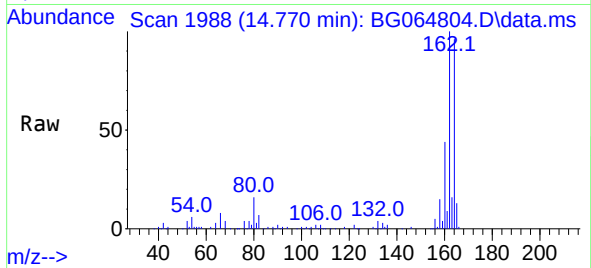
Ion Ratio Lower Upper

165 100

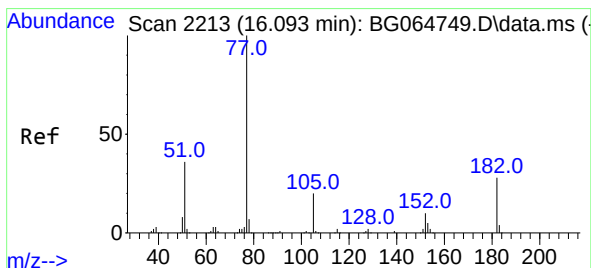
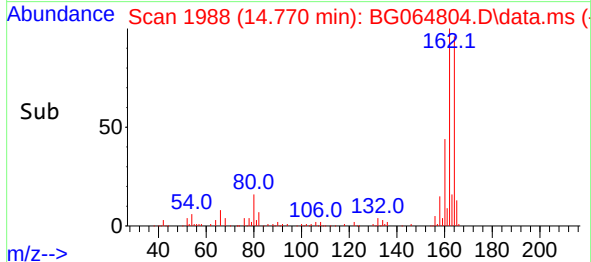
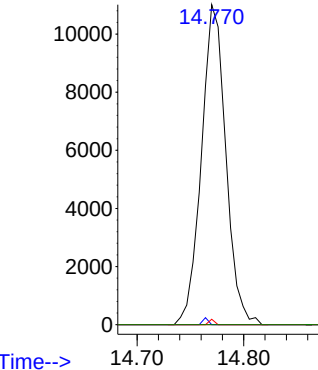
63 0.0 37.8 56.6#

89 1.7 51.6 77.4#

182 0.0 2.0 3.0#



Abundance



#63

Azobenzene

Concen: 7.072 ng

RT: 16.110 min Scan# 2216

Delta R.T. 0.016 min

Lab File: BG064804.D

Acq: 18 Nov 2025 15:40

Tgt Ion: 77 Resp: 59580

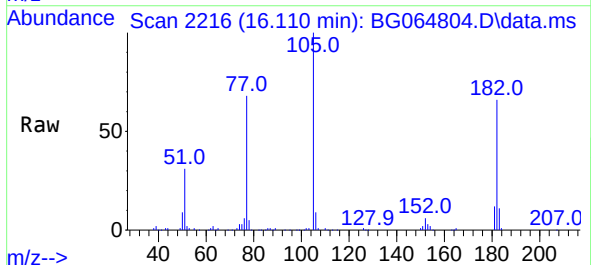
Ion Ratio Lower Upper

77 100

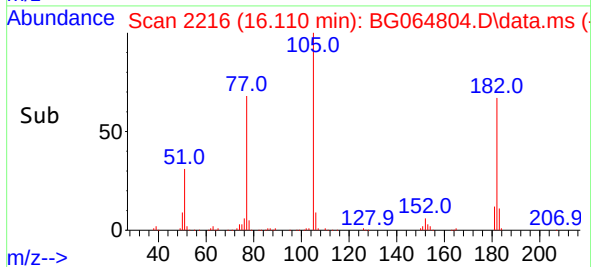
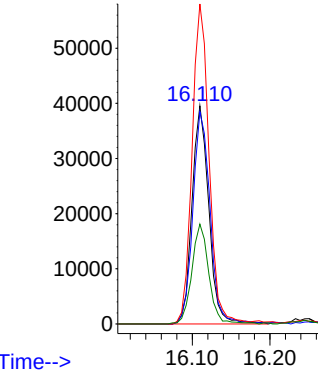
182 97.3 8.1 48.1#

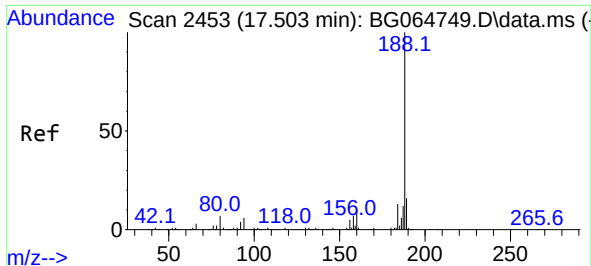
105 146.7 0.1 40.1#

51 45.8 16.0 56.0



Abundance

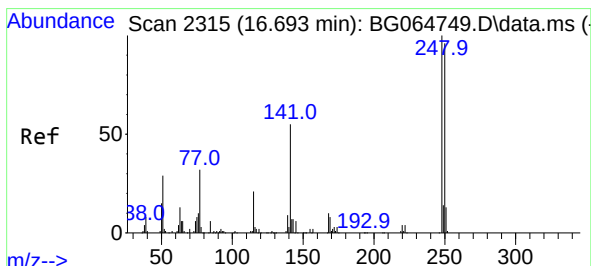
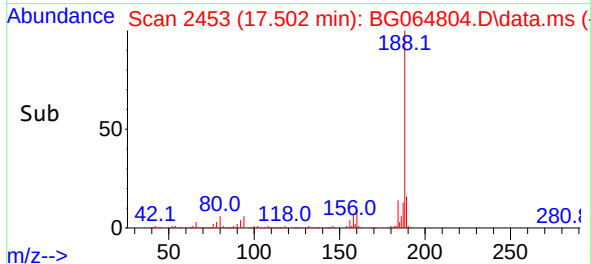
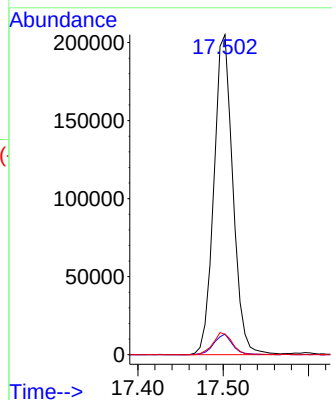
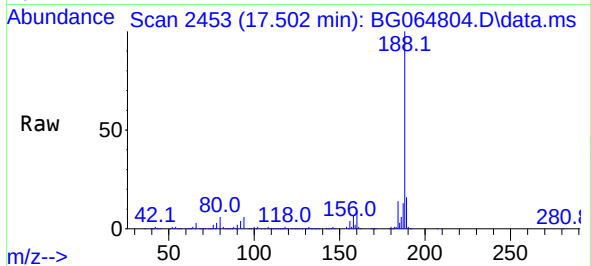




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 2453
Delta R.T. -0.001 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

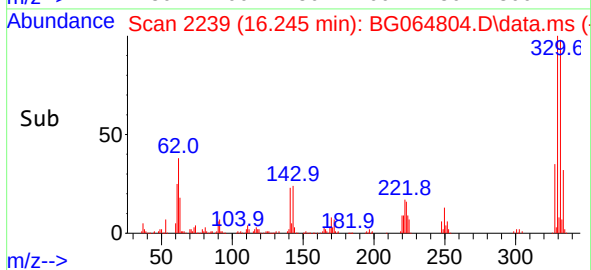
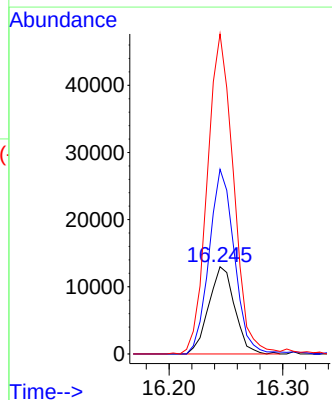
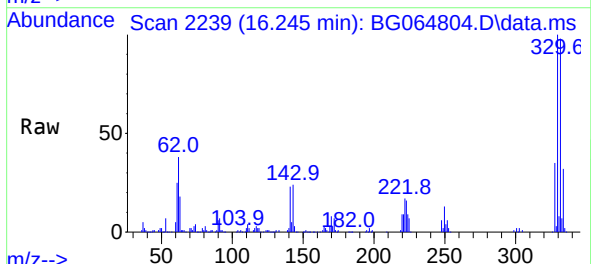
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

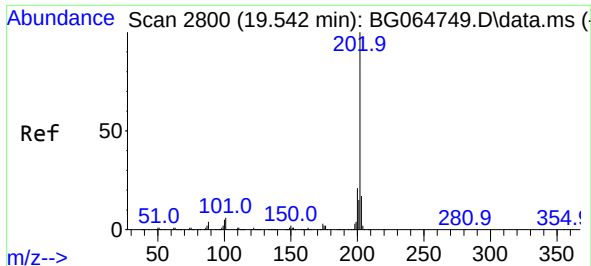
Tgt Ion:188 Resp: 317805
Ion Ratio Lower Upper
188 100
94 6.4 4.7 7.1
80 6.4 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.934 ng
RT: 16.245 min Scan# 2239
Delta R.T. -0.448 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:248 Resp: 20591
Ion Ratio Lower Upper
248 100
250 270.2 77.0 115.6#
141 366.7 43.7 65.5#

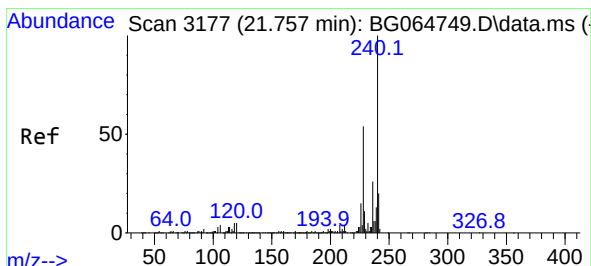
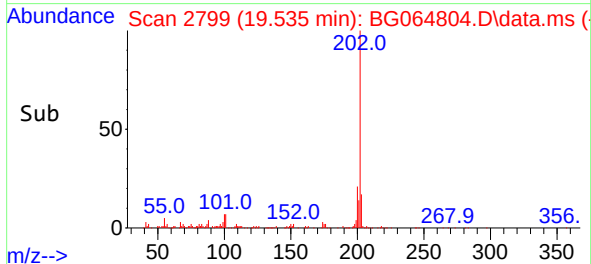
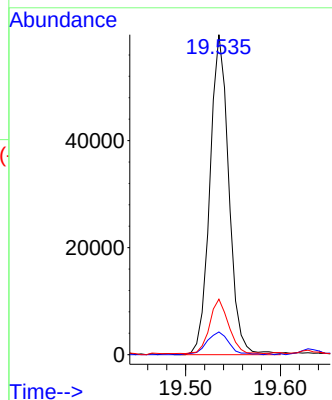
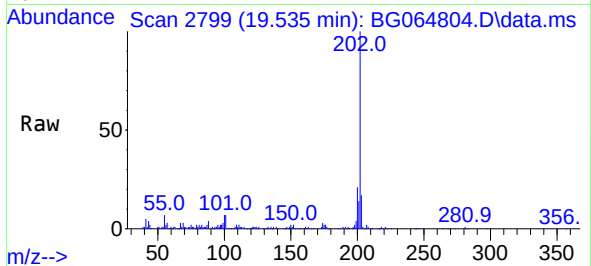




#75
Fluoranthene
Concen: 3.487 ng
RT: 19.535 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

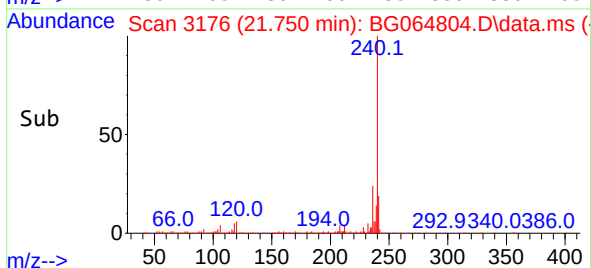
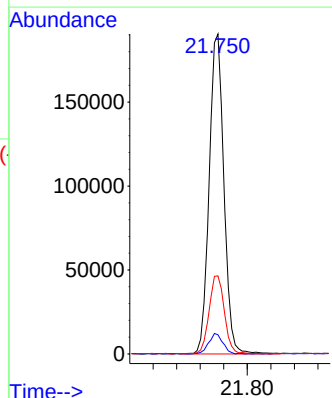
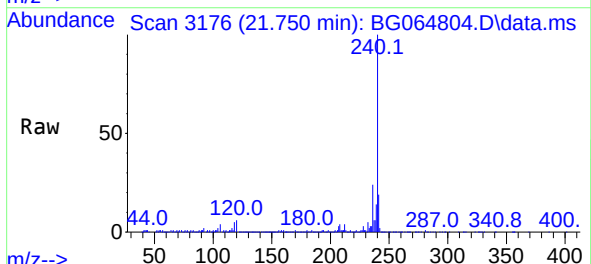
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

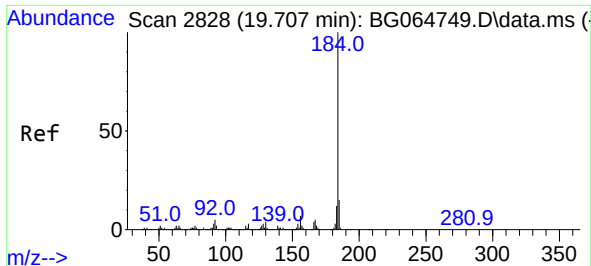
Tgt Ion:	202	Resp:	82913
Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	26.4
203	17.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:	240	Resp:	331043
Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.2	6.4
236	24.4	20.8	31.2

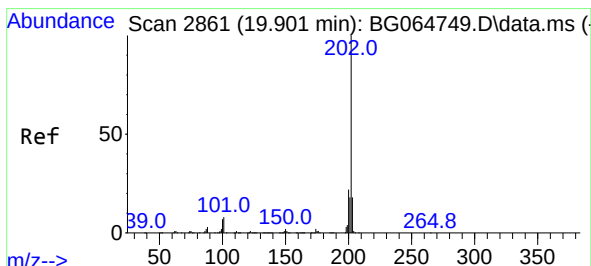
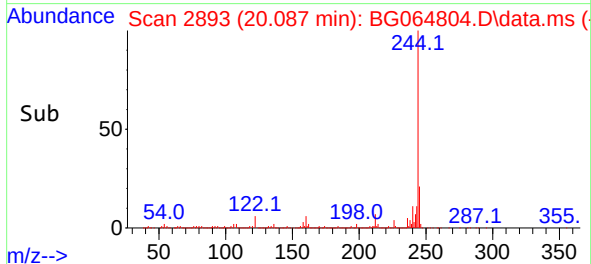
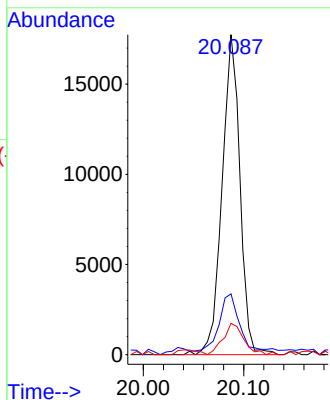
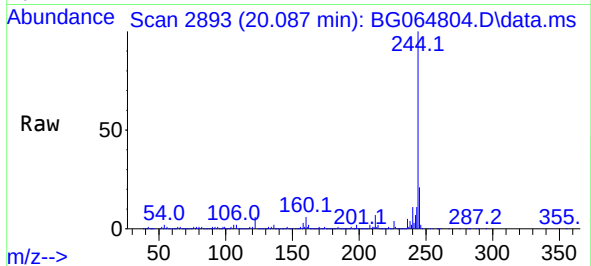




#77
Benzidine
Concen: 2.208 ng
RT: 20.087 min Scan# 21
Delta R.T. 0.381 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

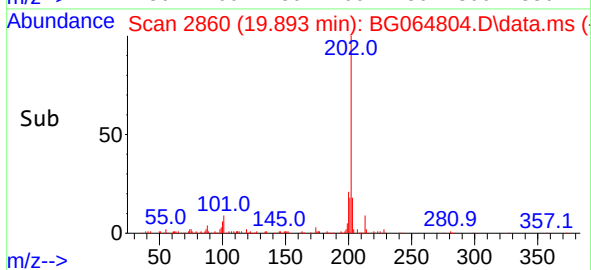
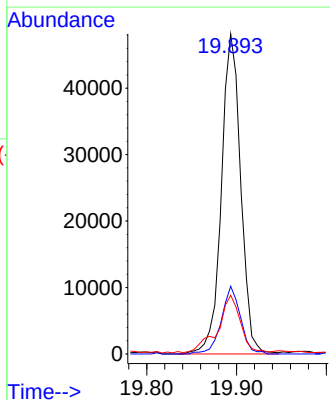
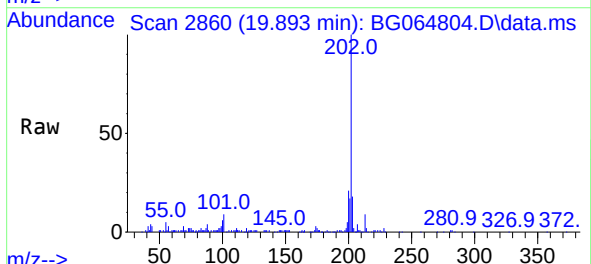
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

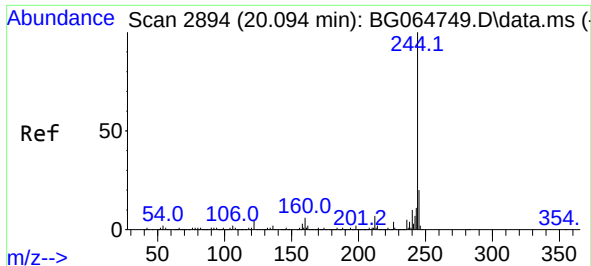
Tgt Ion:184 Resp: 21891
Ion Ratio Lower Upper
184 100
185 19.0 11.8 17.6#
183 9.8 9.8 14.6



#78
Pyrene
Concen: 3.881 ng
RT: 19.893 min Scan# 2860
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:202 Resp: 72011
Ion Ratio Lower Upper
202 100
200 21.2 17.9 26.9
203 18.4 14.0 21.0

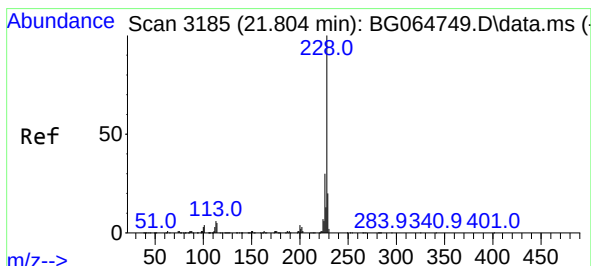
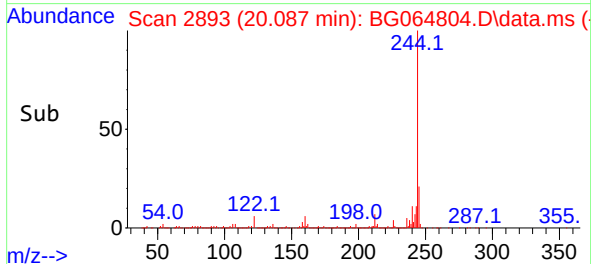
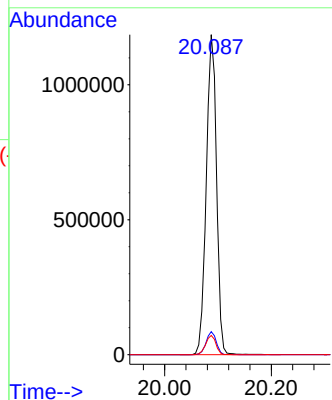
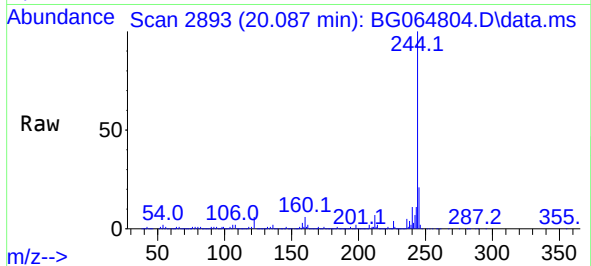




#79
Terphenyl-d14
Concen: 94.220 ng
RT: 20.087 min Scan# 218
Delta R.T. -0.007 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

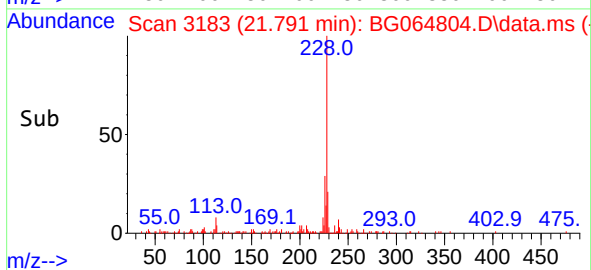
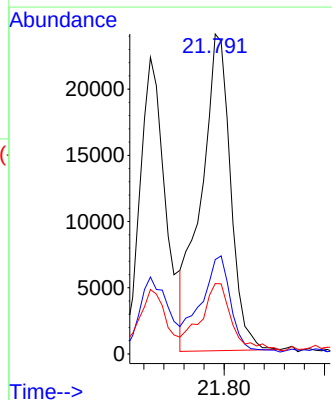
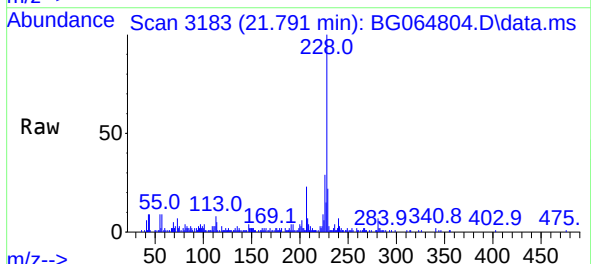
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

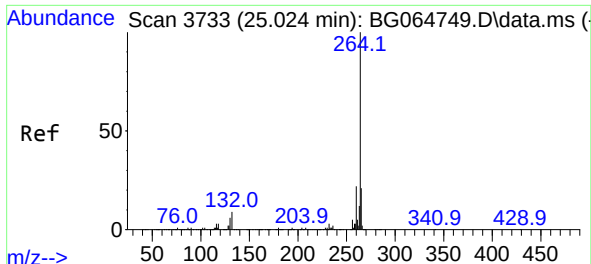
Tgt Ion:244 Resp: 1585633
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 6.0 4.3 6.5



#83
Chrysene
Concen: 2.311 ng
RT: 21.791 min Scan# 3183
Delta R.T. -0.013 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:228 Resp: 49042
Ion Ratio Lower Upper
228 100
226 29.5 24.2 36.2
229 22.0 16.0 24.0

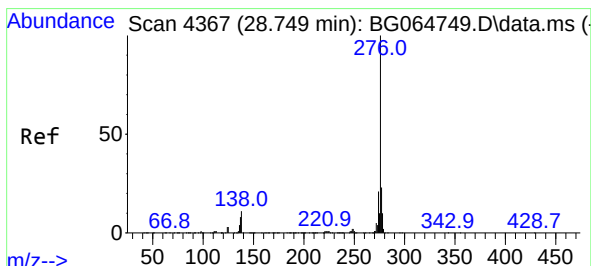
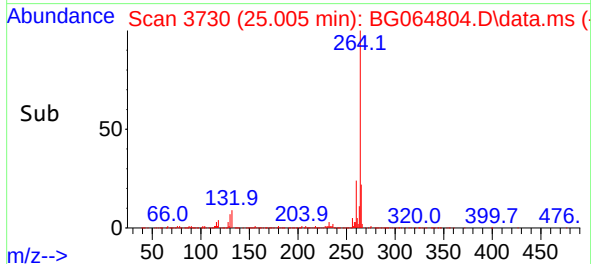
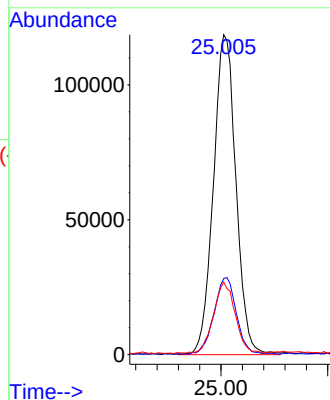
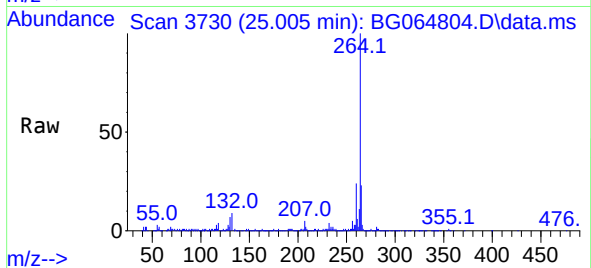




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.005 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: BG064804.D
 Acq: 18 Nov 2025 15:40

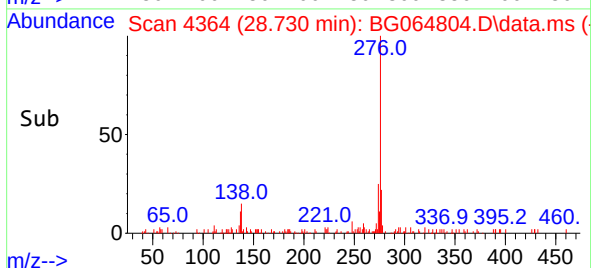
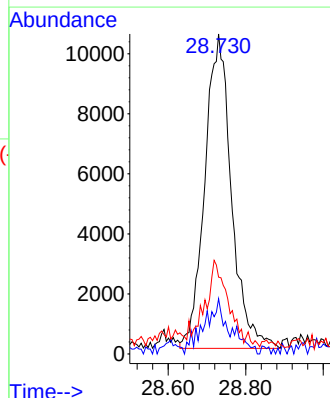
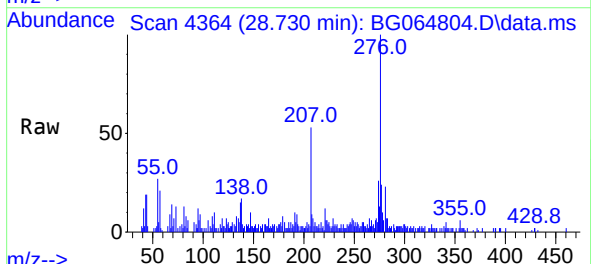
Instrument :
 BNA_G
 ClientSampleId :
 NB-07-111725

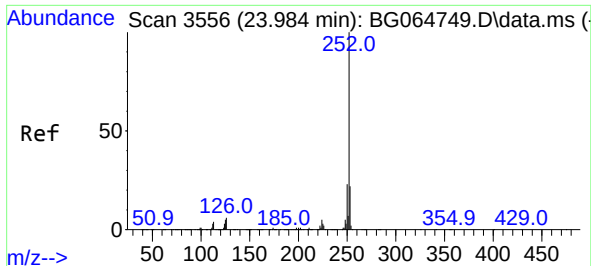
Tgt Ion:264 Resp: 347601
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.2 25.8
 265 22.7 16.6 25.0



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.089 ng
 RT: 28.730 min Scan# 4364
 Delta R.T. -0.019 min
 Lab File: BG064804.D
 Acq: 18 Nov 2025 15:40

Tgt Ion:276 Resp: 49894
 Ion Ratio Lower Upper
 276 100
 138 2.9 4.5 6.7#
 277 20.6 20.0 30.0

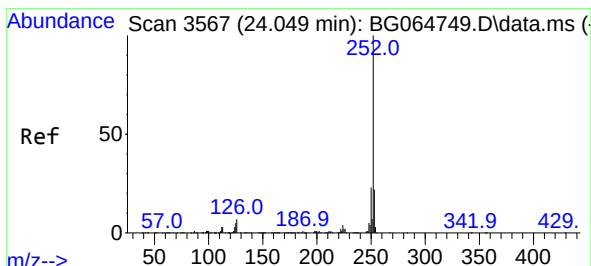
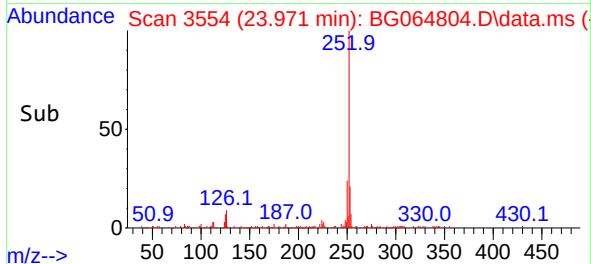
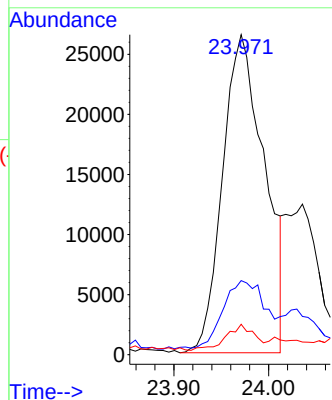
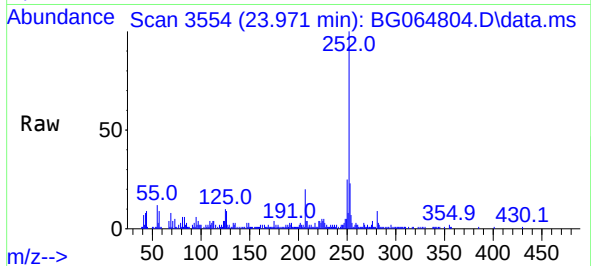




#88
Benzo(b)fluoranthene
Concen: 3.678 ng
RT: 23.971 min Scan# 3554
Delta R.T. -0.013 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

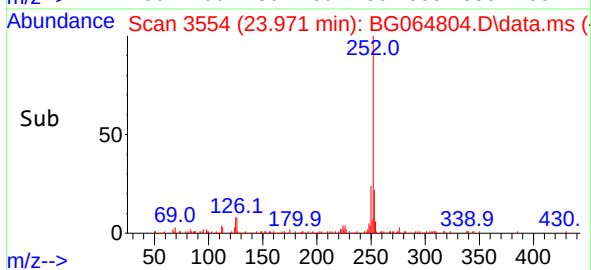
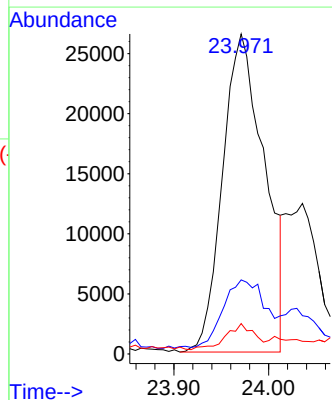
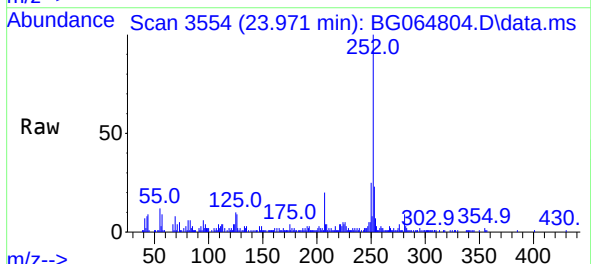
Instrument :
BNA_G
ClientSampleId :
NB-07-111725

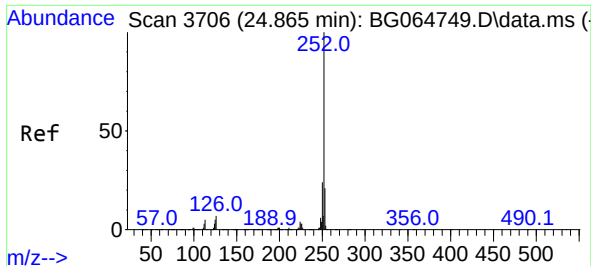
Tgt Ion:252 Resp: 81364
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 9.5 4.2 6.2#



#89
Benzo(k)fluoranthene
Concen: 3.661 ng
RT: 23.971 min Scan# 3554
Delta R.T. -0.078 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion:252 Resp: 81364
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.5 4.1 6.1#

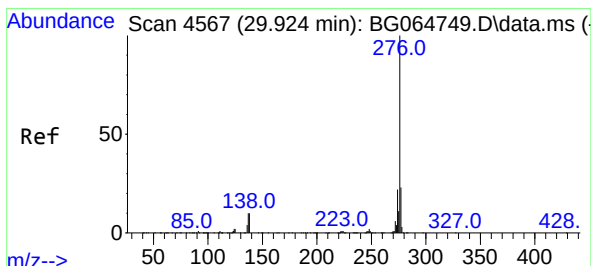
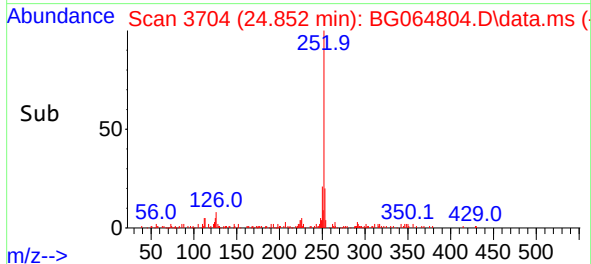
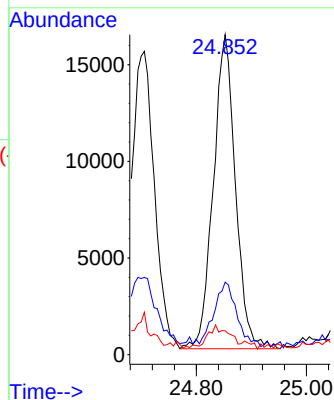
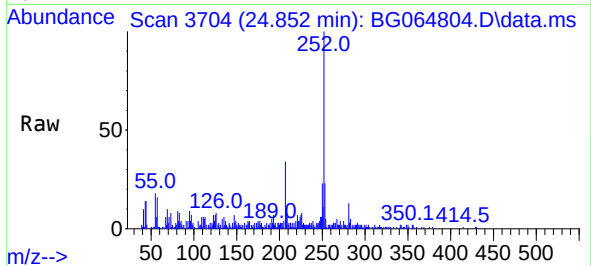




#90
Benzo(a)pyrene
Concen: 2.215 ng
RT: 24.852 min Scan# 31
Delta R.T. -0.013 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Instrument :
BNA_G
ClientSampleId :
NB-07-111725

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.9	25.3
125	7.5	4.2	6.4



#92
Benzo(g,h,i)perylene
Concen: 2.779 ng
RT: 29.893 min Scan# 4562
Delta R.T. -0.031 min
Lab File: BG064804.D
Acq: 18 Nov 2025 15:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.0	27.0
138	12.8	8.2	12.2

