

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064764.D
 Acq On : 13 Nov 2025 20:05
 Operator : RC/JU
 Sample : Q3609-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-02

Quant Time: Nov 14 05:03:39 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)

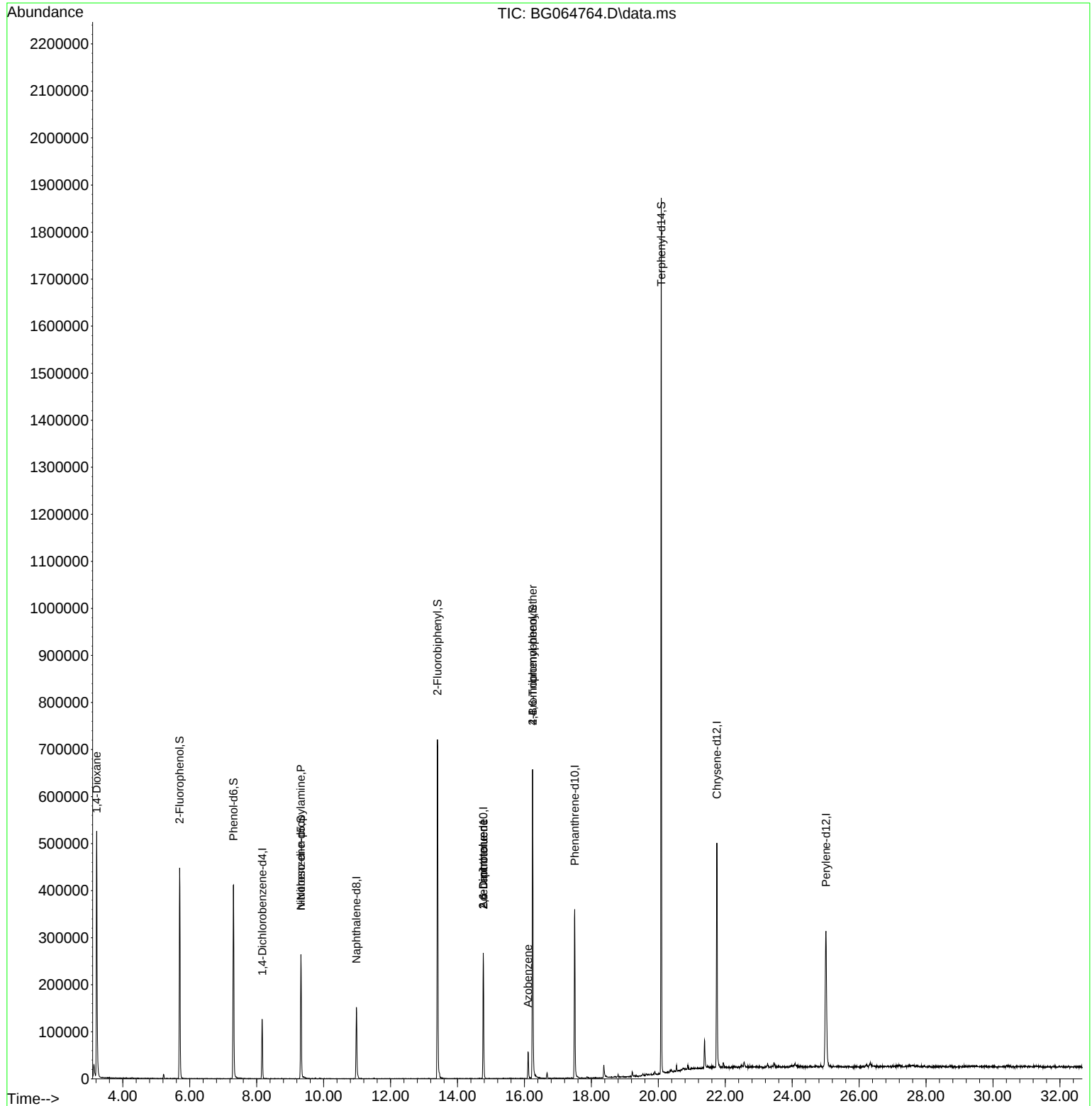
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.167	152	37597	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	138283	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	106283	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	260075	20.000	ng	0.00
76) Chrysene-d12	21.751	240	336397	20.000	ng	0.00
86) Perylene-d12	25.012	264	362237	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	182699	84.856	ng	0.00
7) Phenol-d6	7.309	99	235972	82.402	ng	0.00
23) Nitrobenzene-d5	9.324	82	153247	54.793	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	165973	80.070	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	421101	55.284	ng	0.00
79) Terphenyl-d14	20.088	244	967363	56.567	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.214	88	4541	5.448	ng	# 1
19) n-Nitroso-di-n-propyla...	9.324	70	20224	10.445	ng	# 75
51) 2,6-Dinitrotoluene	14.771	165	13783	8.532	ng	# 21
57) 2,4-Dinitrotoluene	14.771	165	13783	5.691	ng	# 24
63) Azobenzene	16.110	77	17795	2.660	ng	# 1
67) 4-Bromophenyl-phenylether	16.246	248	10439	3.056	ng	# 1

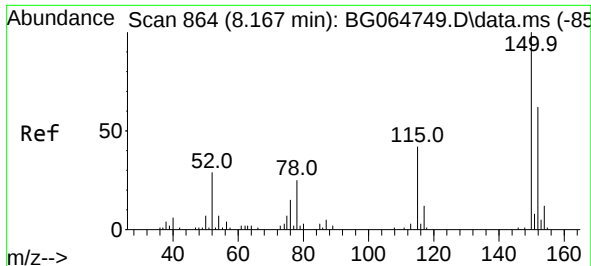
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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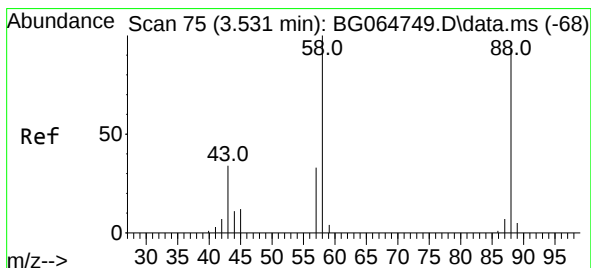
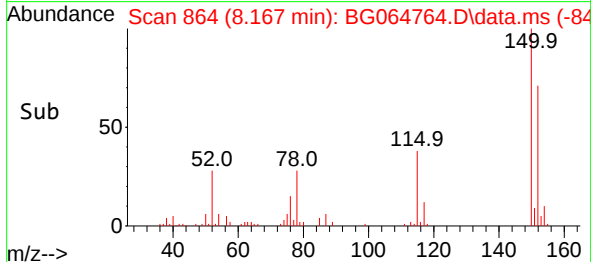
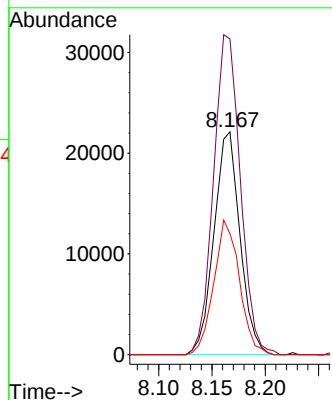
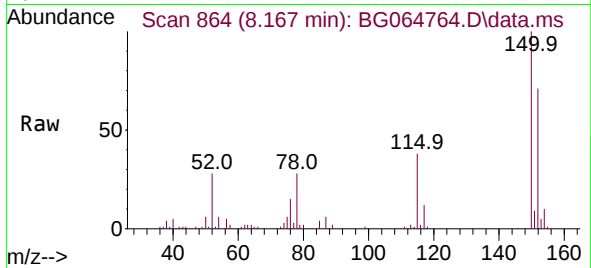




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.167 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BG064764.D
 Acq: 13 Nov 2025 20:05

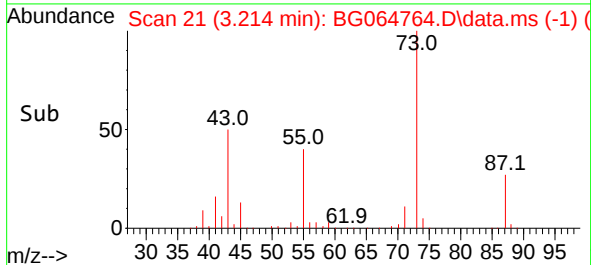
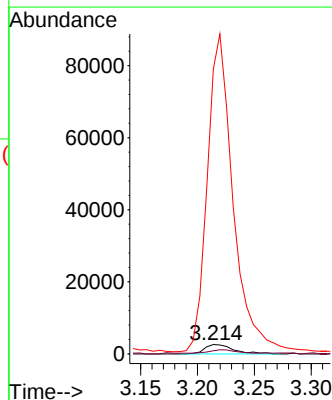
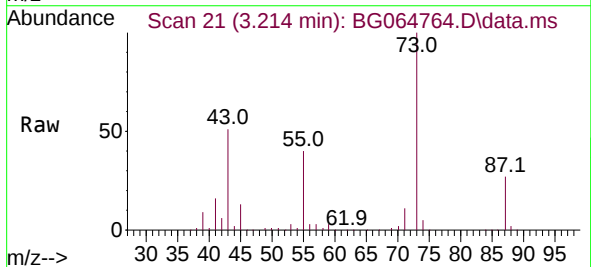
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-02

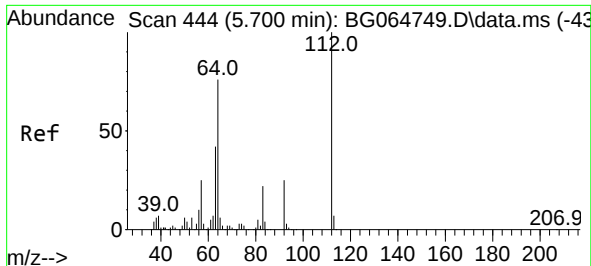
Tgt Ion:152 Resp: 37597
 Ion Ratio Lower Upper
 152 100
 150 141.6 129.2 193.8
 115 54.2 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.448 ng
 RT: 3.214 min Scan# 21
 Delta R.T. -0.318 min
 Lab File: BG064764.D
 Acq: 13 Nov 2025 20:05

Tgt Ion: 88 Resp: 4541
 Ion Ratio Lower Upper
 88 100
 58 34.6 84.6 126.8#
 43 3094.2 30.0 45.0#

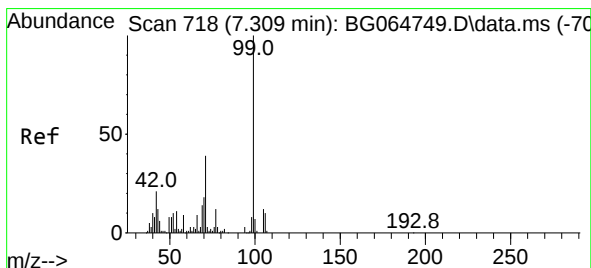
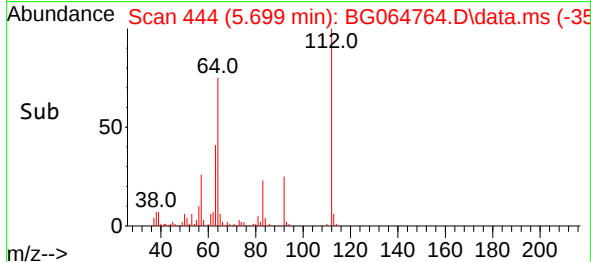
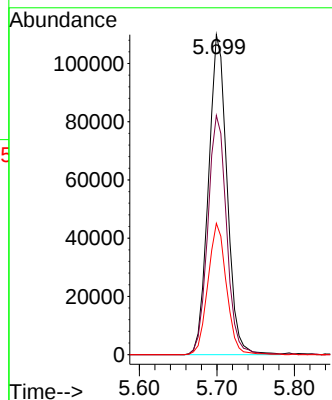
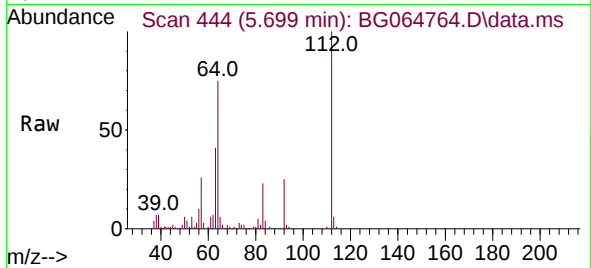




#5
2-Fluorophenol
Concen: 84.856 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

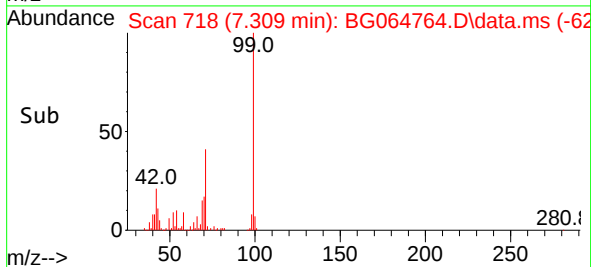
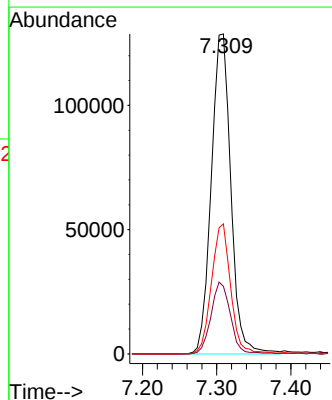
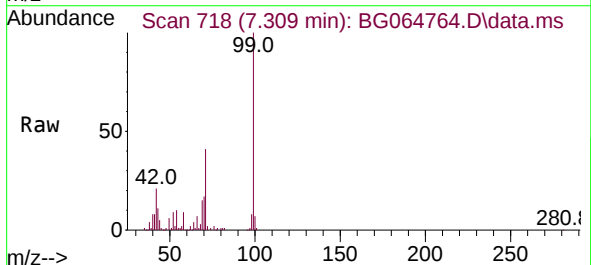
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

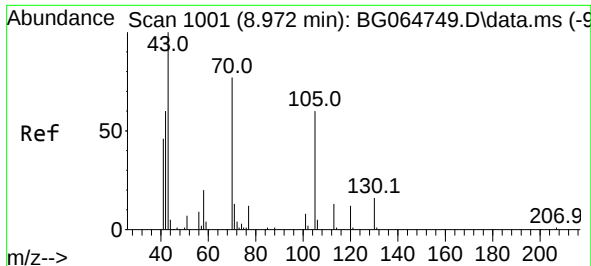
Tgt Ion:112 Resp: 182699
Ion Ratio Lower Upper
112 100
64 74.7 61.0 91.4
63 41.0 33.3 49.9



#7
Phenol-d6
Concen: 82.402 ng
RT: 7.309 min Scan# 718
Delta R.T. -0.000 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Tgt Ion: 99 Resp: 235972
Ion Ratio Lower Upper
99 100
42 21.1 16.8 25.2
71 40.6 31.1 46.7

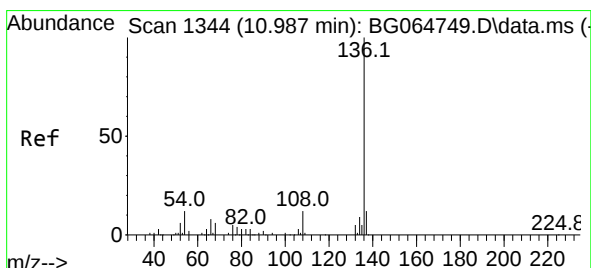
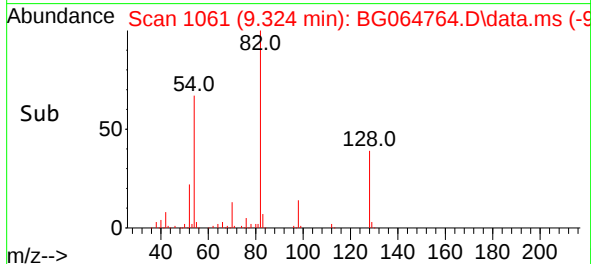
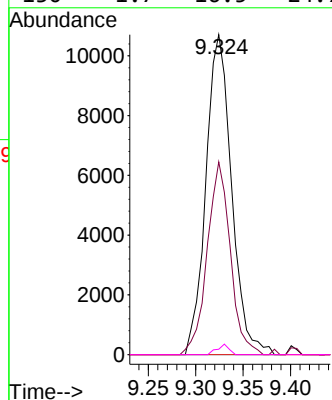
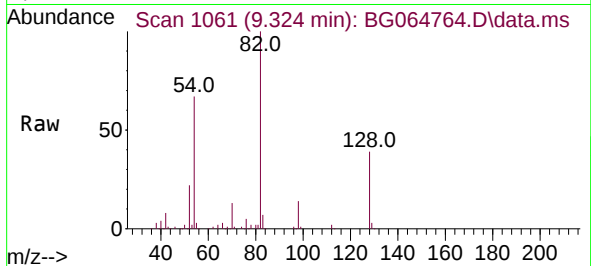




#19
n-Nitroso-di-n-propylamine
Concen: 10.445 ng
RT: 9.324 min Scan# 10
Delta R.T. 0.352 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

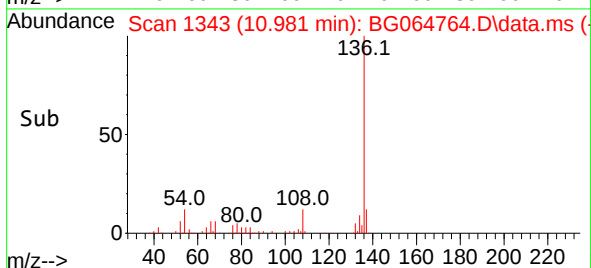
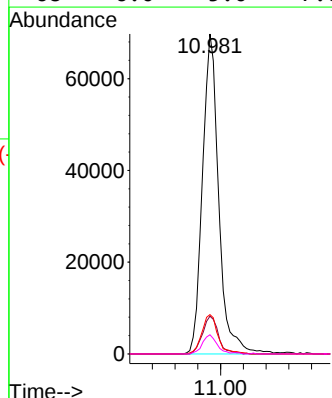
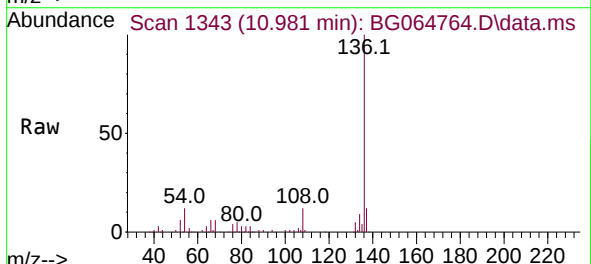
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

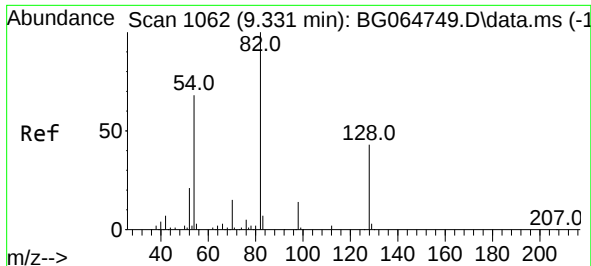
Tgt Ion: 70	Resp: 20224
Ion Ratio	Lower Upper
70 100	
42 60.2	62.6 93.8#
101 0.0	8.0 12.0#
130 1.7	16.5 24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Tgt Ion: 136	Resp: 138283
Ion Ratio	Lower Upper
136 100	
137 11.8	9.3 13.9
54 12.3	9.3 13.9
68 6.0	5.0 7.6





#23

Nitrobenzene-d5

Concen: 54.793 ng

RT: 9.324 min Scan# 1061

Delta R.T. -0.006 min

Lab File: BG064764.D

Acq: 13 Nov 2025 20:05

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-02

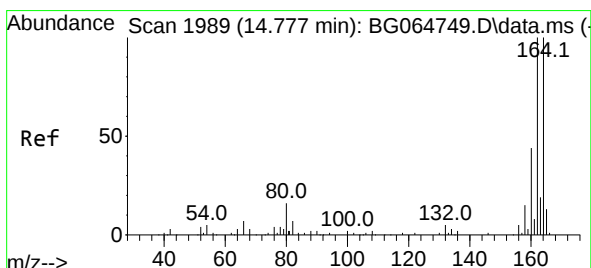
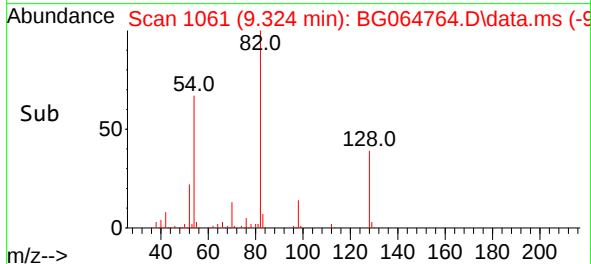
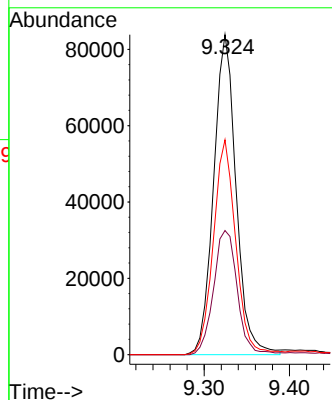
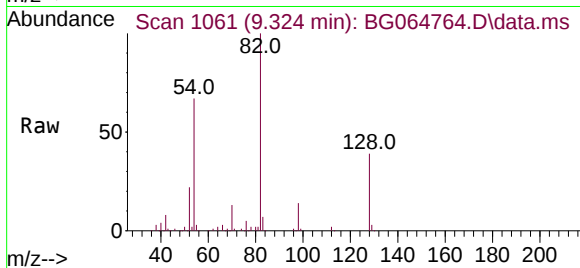
Tgt Ion: 82 Resp: 153247

Ion Ratio Lower Upper

82 100

128 38.8 34.1 51.1

54 67.1 54.3 81.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.771 min Scan# 1988

Delta R.T. -0.006 min

Lab File: BG064764.D

Acq: 13 Nov 2025 20:05

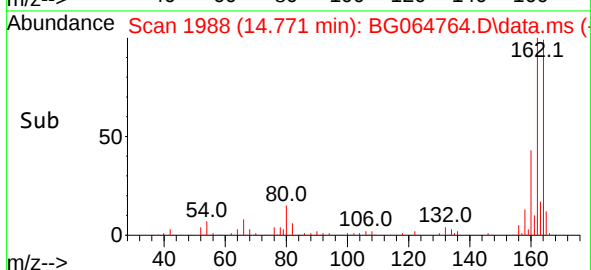
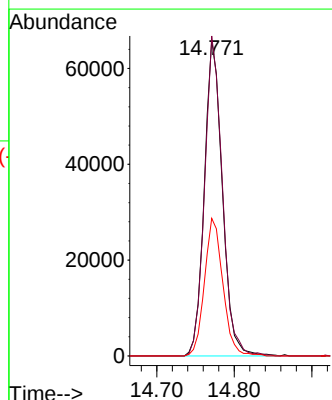
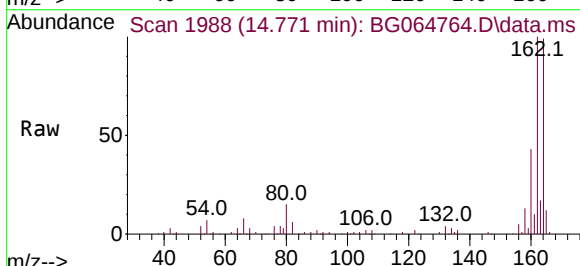
Tgt Ion:164 Resp: 106283

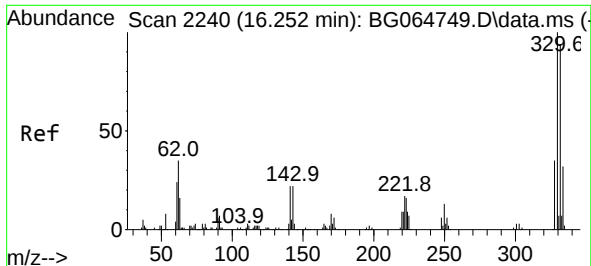
Ion Ratio Lower Upper

164 100

162 101.3 79.8 119.6

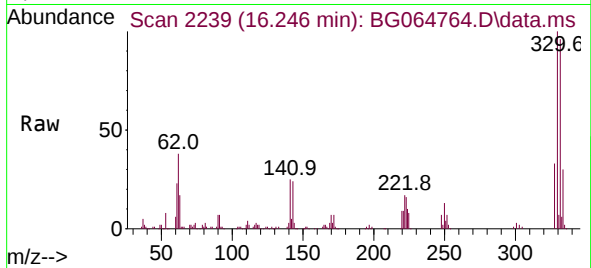
160 43.6 34.9 52.3



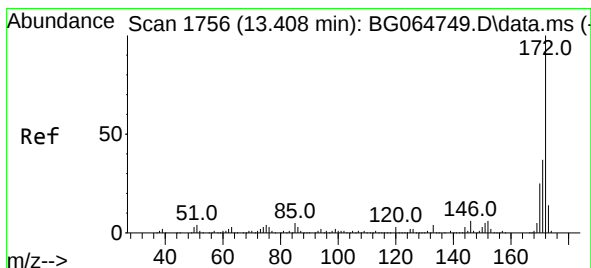
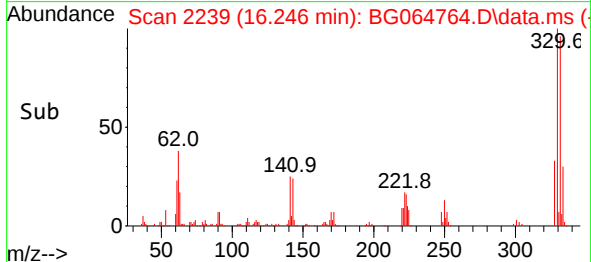
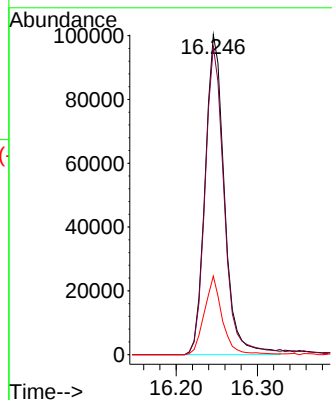


#42
2,4,6-Tribromophenol
Concen: 80.070 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

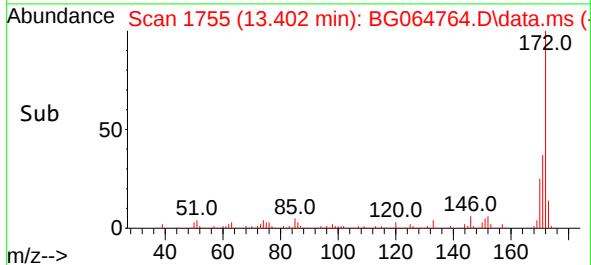
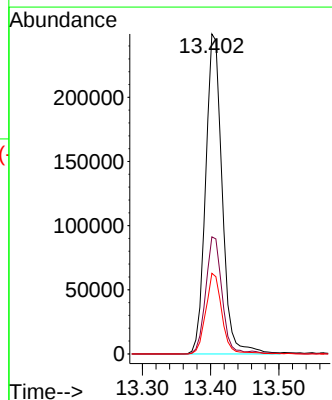
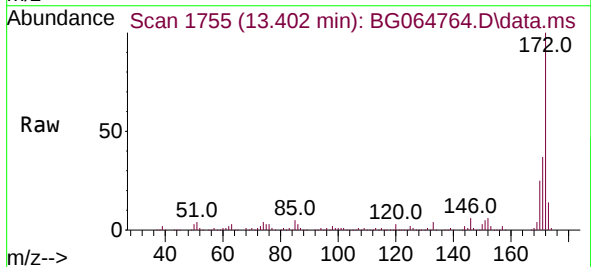


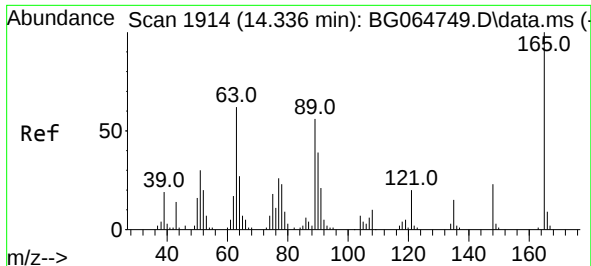
Tgt Ion:330 Resp: 165973
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.6
141 22.6 18.2 27.2



#45
2-Fluorobiphenyl
Concen: 55.284 ng
RT: 13.402 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Tgt Ion:172 Resp: 421101
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 25.2 19.8 29.6

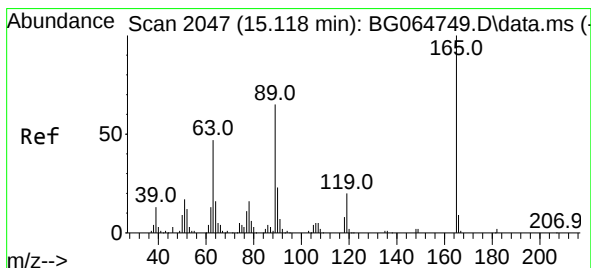
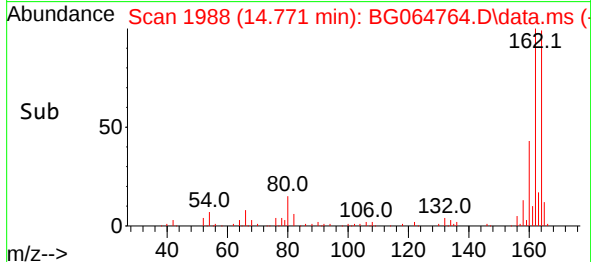
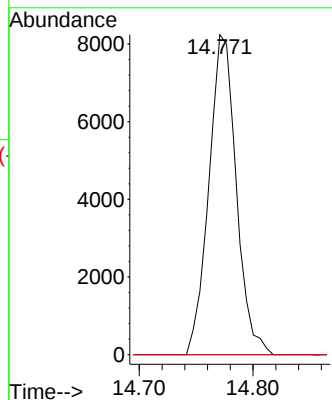
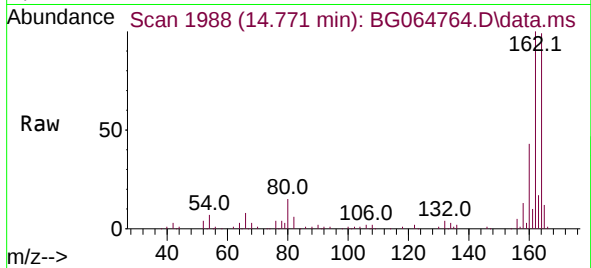




#51
2,6-Dinitrotoluene
Concen: 8.532 ng
RT: 14.771 min Scan# 1914
Delta R.T. 0.434 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

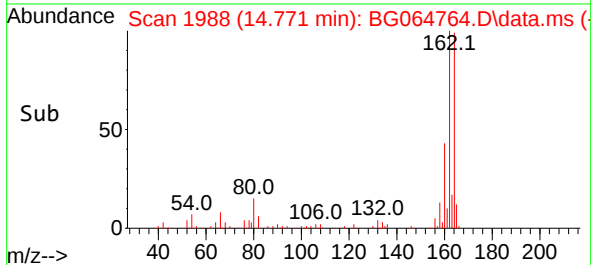
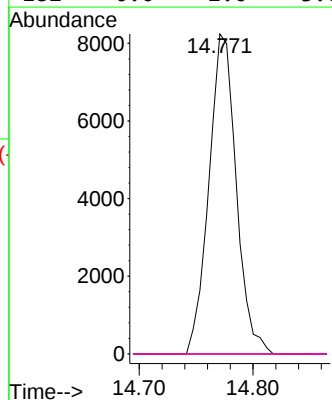
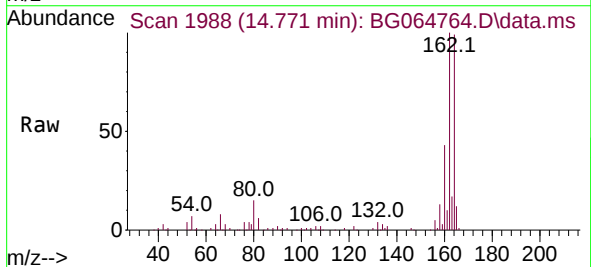
Instrument :
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ClientSampleId :
AU-713-COMP-02

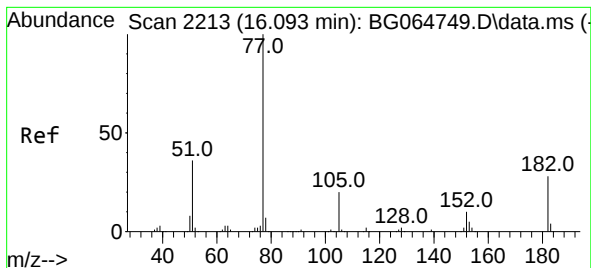
Tgt Ion:	165	Resp:	13783
Ion Ratio	Lower	Upper	
165	100		
63	0.0	49.8	74.8#
89	0.0	45.0	67.4#



#57
2,4-Dinitrotoluene
Concen: 5.691 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Tgt Ion:	165	Resp:	13783
Ion Ratio	Lower	Upper	
165	100		
63	0.0	37.8	56.6#
89	0.0	51.6	77.4#
182	0.0	2.0	3.0#





#63

Azobenzene

Concen: 2.660 ng

RT: 16.110 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG064764.D

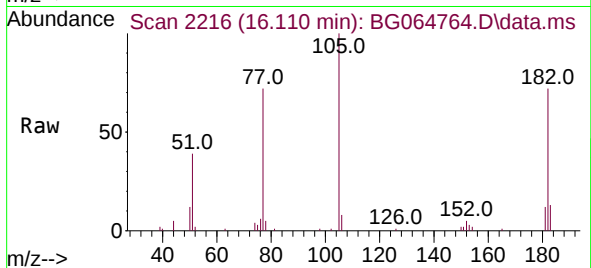
Acq: 13 Nov 2025 20:05

Instrument :

BNA_G

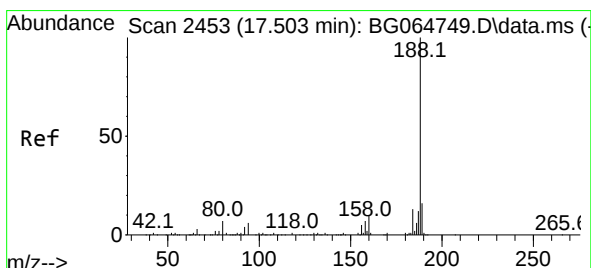
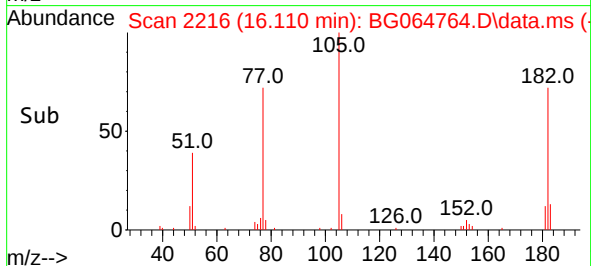
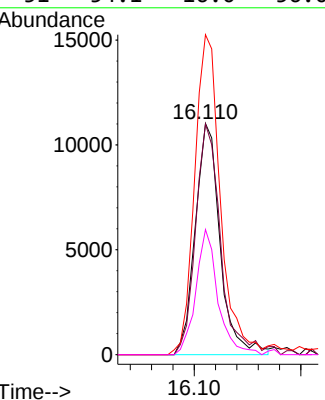
ClientSampleId :

AU-713-COMP-02



Tgt Ion: 77 Resp: 17795

Ion	Ratio	Lower	Upper
77	100		
182	99.8	8.1	48.1#
105	138.5	0.1	40.1#
51	54.1	16.0	56.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.503 min Scan# 2453

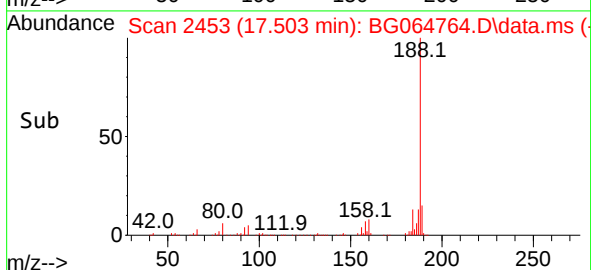
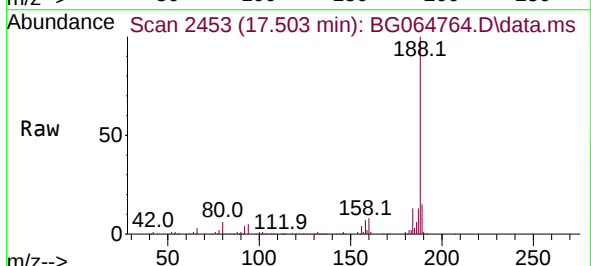
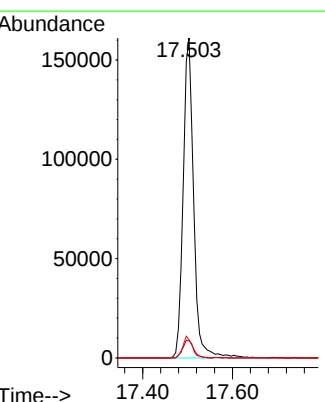
Delta R.T. -0.000 min

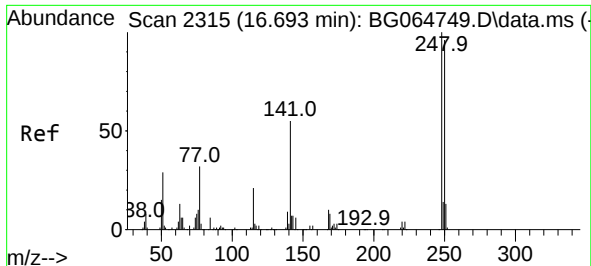
Lab File: BG064764.D

Acq: 13 Nov 2025 20:05

Tgt Ion:188 Resp: 260075

Ion	Ratio	Lower	Upper
188	100		
94	5.3	4.7	7.1
80	5.7	5.4	8.2

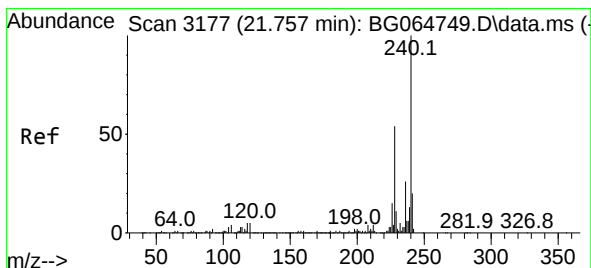
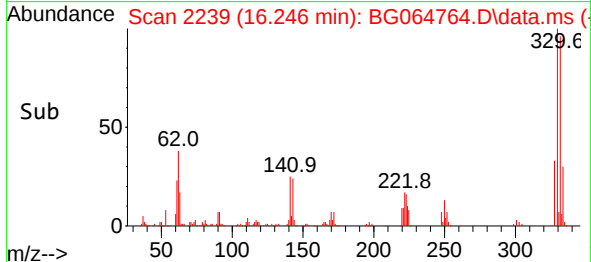
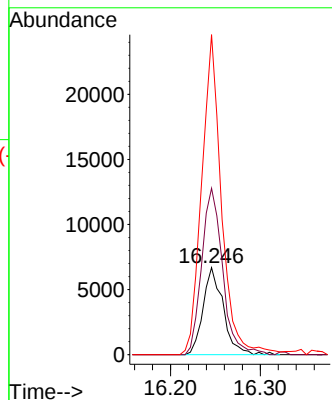
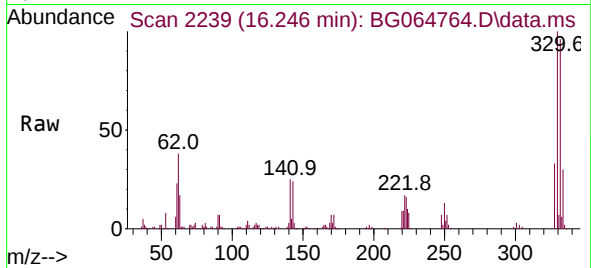




#67
4-Bromophenyl-phenylether
Concen: 3.056 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

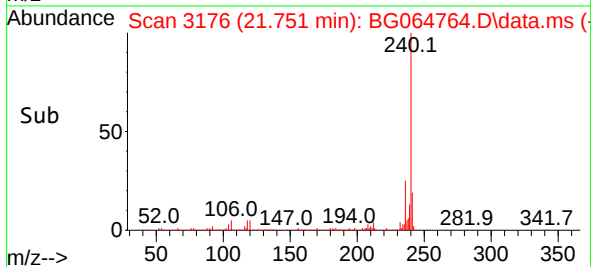
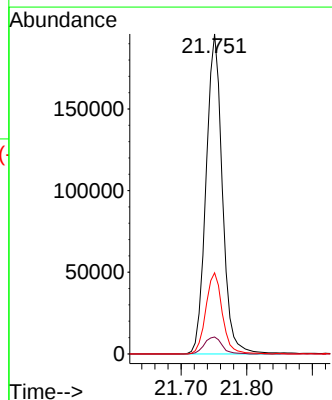
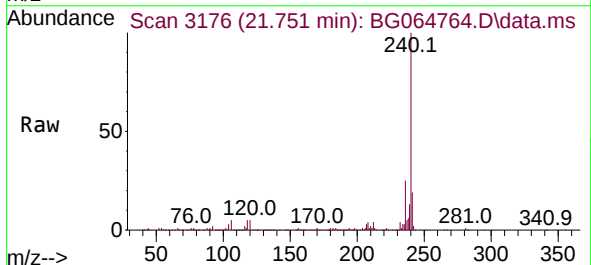
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-02

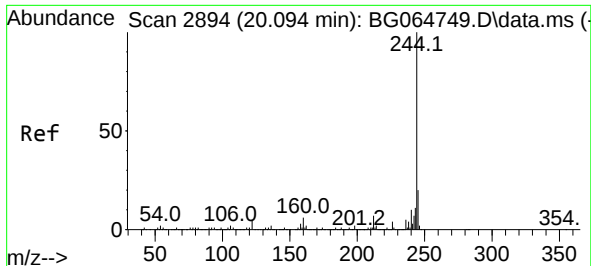
Tgt Ion:248 Resp: 10439
Ion Ratio Lower Upper
248 100
250 205.9 77.0 115.6#
141 298.9 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064764.D
Acq: 13 Nov 2025 20:05

Tgt Ion:240 Resp: 336397
Ion Ratio Lower Upper
240 100
120 5.3 4.2 6.4
236 25.3 20.8 31.2

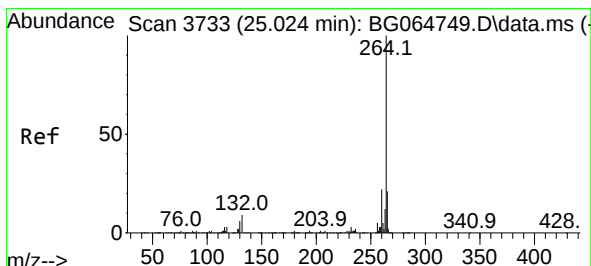
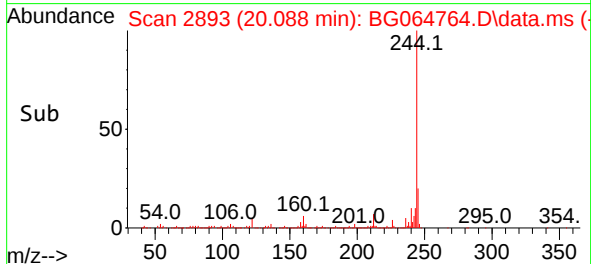
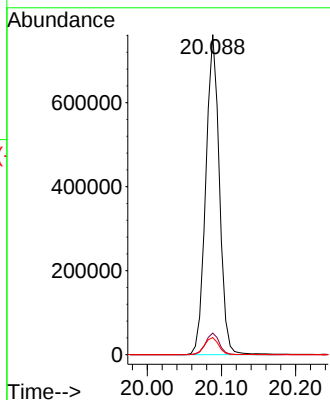
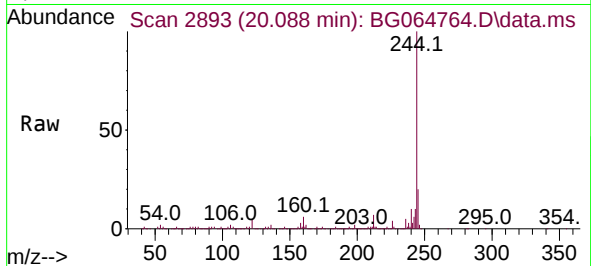




#79
 Terphenyl-d14
 Concen: 56.567 ng
 RT: 20.088 min Scan# 2893
 Delta R.T. -0.006 min
 Lab File: BG064764.D
 Acq: 13 Nov 2025 20:05

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-02

Tgt Ion:244 Resp: 967363
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.6
 122 5.3 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.012 min Scan# 3731
 Delta R.T. -0.012 min
 Lab File: BG064764.D
 Acq: 13 Nov 2025 20:05

Tgt Ion:264 Resp: 362237
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.2 25.8
 265 20.9 16.6 25.0

