

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064767.D
 Acq On : 13 Nov 2025 22:08
 Operator : RC/JU
 Sample : Q3609-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-03

Quant Time: Nov 14 05:04:55 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)

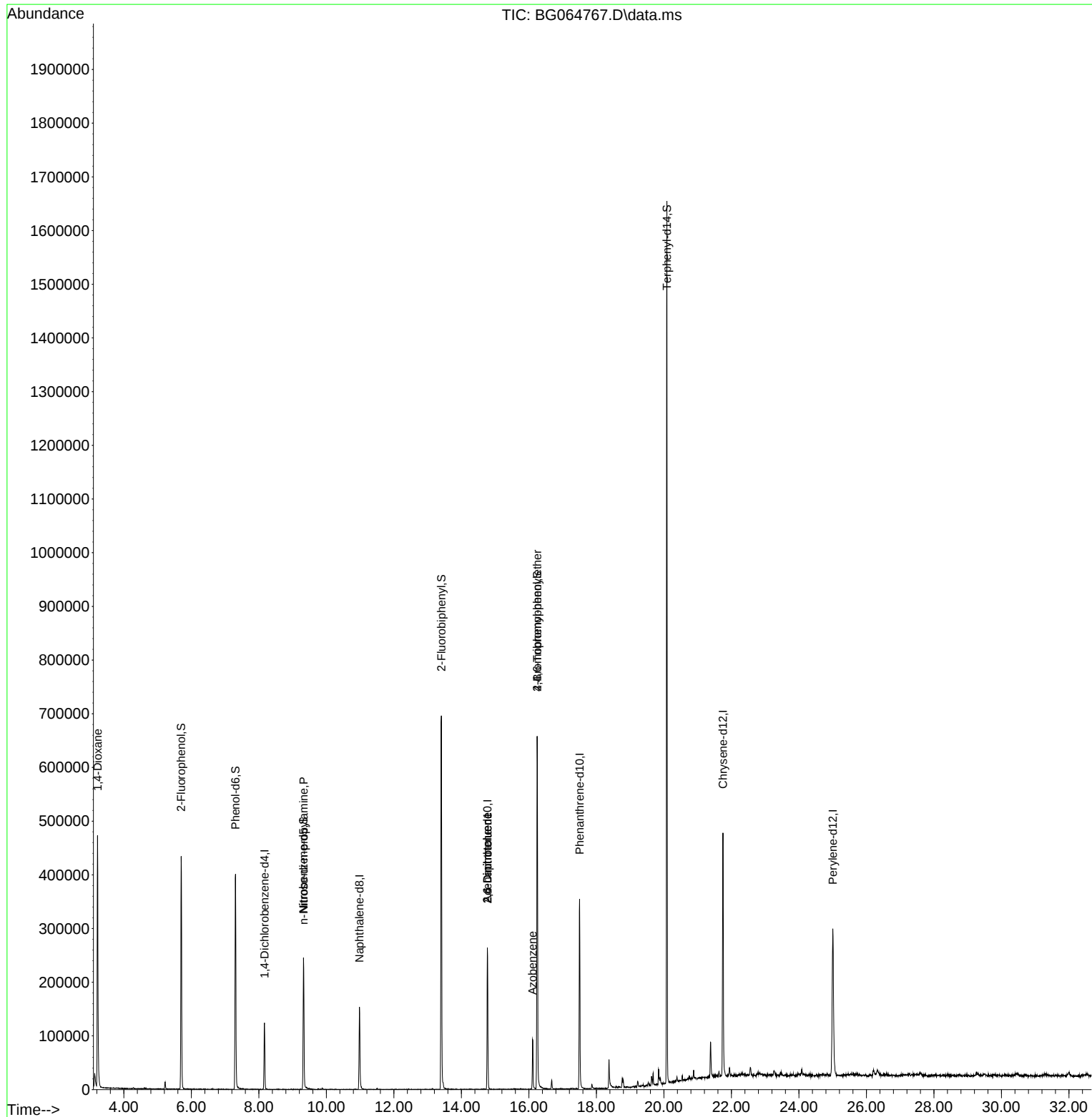
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.165	152	37031	20.000	ng	0.00
21) Naphthalene-d8	10.980	136	138391	20.000	ng	# 0.00
39) Acenaphthene-d10	14.770	164	107492	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	250464	20.000	ng	0.00
76) Chrysene-d12	21.750	240	318831	20.000	ng	0.00
86) Perylene-d12	25.005	264	333639	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.698	112	179724	84.750	ng	0.00
7) Phenol-d6	7.308	99	231519	82.083	ng	0.00
23) Nitrobenzene-d5	9.323	82	152153	54.360	ng	0.00
42) 2,4,6-Tribromophenol	16.244	330	166995	79.657	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	414487	53.804	ng	0.00
79) Terphenyl-d14	20.087	244	900406	55.552	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.218	88	4352	5.301	ng	# 1
19) n-Nitroso-di-n-propyla...	9.329	70	19074	10.002	ng	# 69
51) 2,6-Dinitrotoluene	14.770	165	13323	8.154	ng	# 21
57) 2,4-Dinitrotoluene	14.770	165	13323	5.439	ng	# 24
63) Azobenzene	16.109	77	28265	4.178	ng	# 1
67) 4-Bromophenyl-phenylether	16.244	248	10075	3.063	ng	# 1

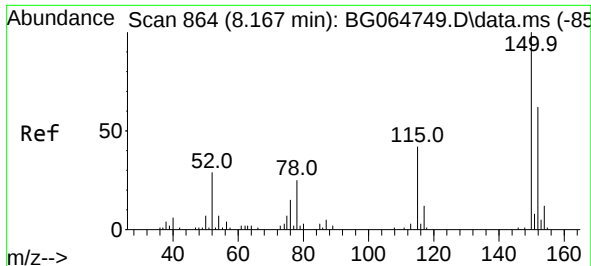
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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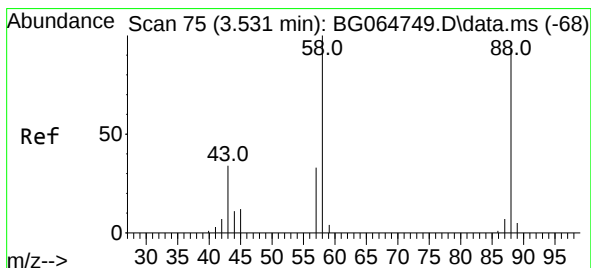
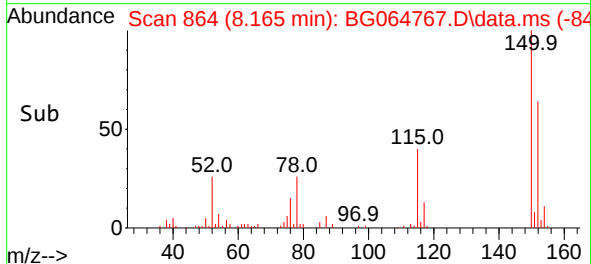
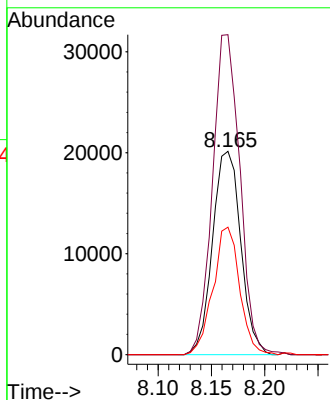
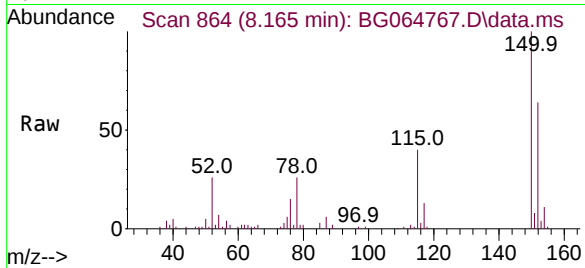




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.165 min Scan# 80
 Delta R.T. -0.002 min
 Lab File: BG064767.D
 Acq: 13 Nov 2025 22:08

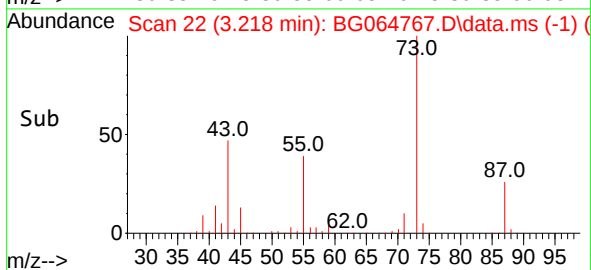
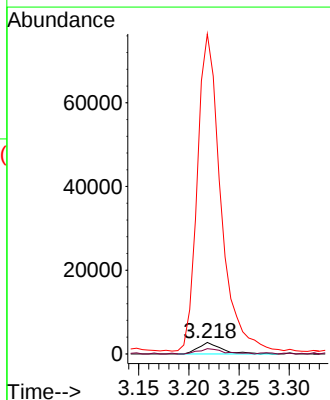
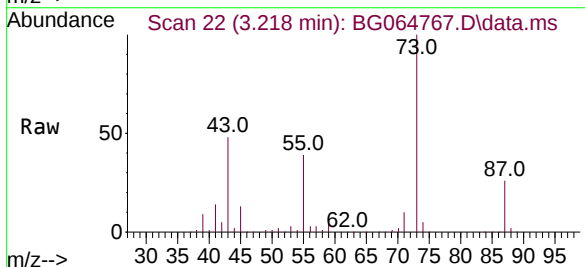
Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-03

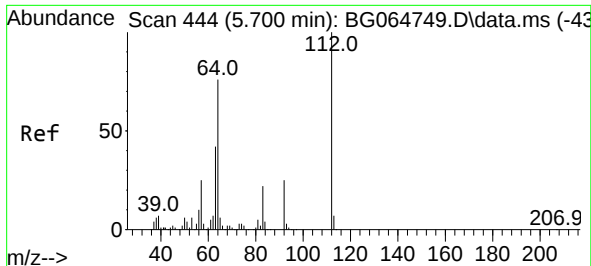
Tgt Ion:152 Resp: 37031
 Ion Ratio Lower Upper
 152 100
 150 157.4 129.2 193.8
 115 62.7 53.7 80.5



#2
 1,4-Dioxane
 Concen: 5.301 ng
 RT: 3.218 min Scan# 22
 Delta R.T. -0.313 min
 Lab File: BG064767.D
 Acq: 13 Nov 2025 22:08

Tgt Ion: 88 Resp: 4352
 Ion Ratio Lower Upper
 88 100
 58 48.3 84.6 126.8#
 43 2827.0 30.0 45.0#

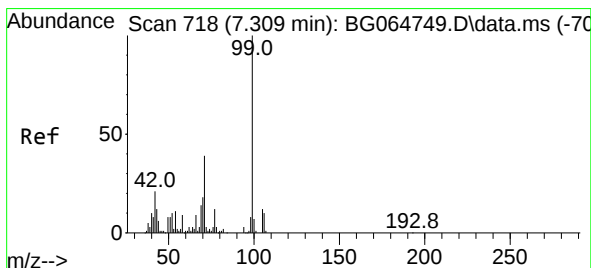
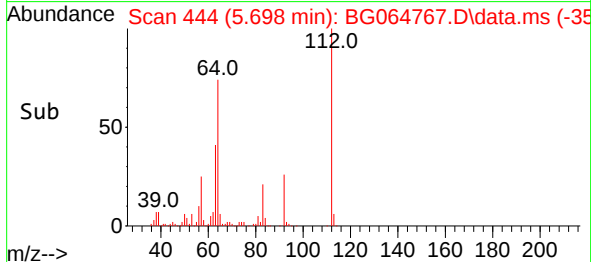
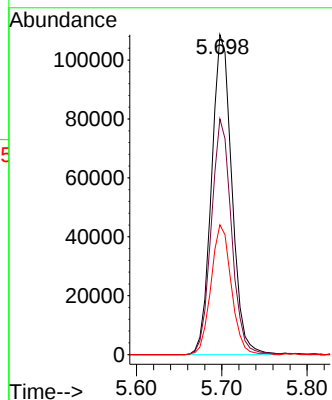
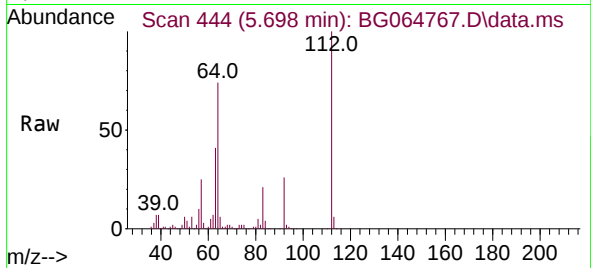




#5
2-Fluorophenol
Concen: 84.750 ng
RT: 5.698 min Scan# 444
Delta R.T. -0.002 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

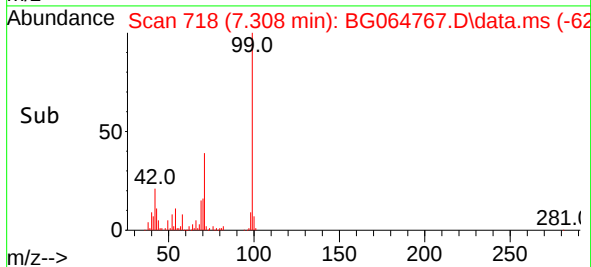
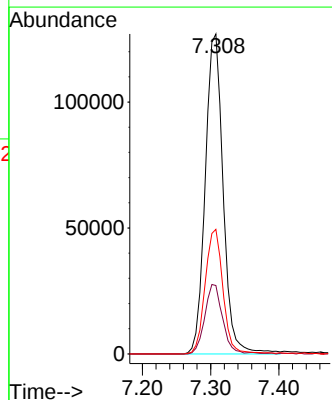
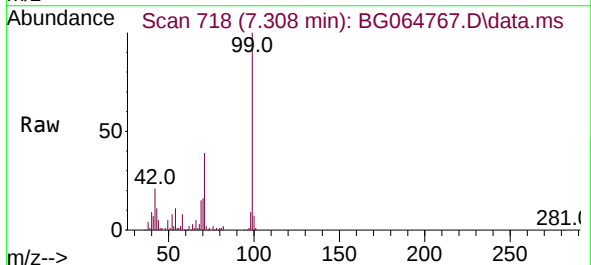
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-03

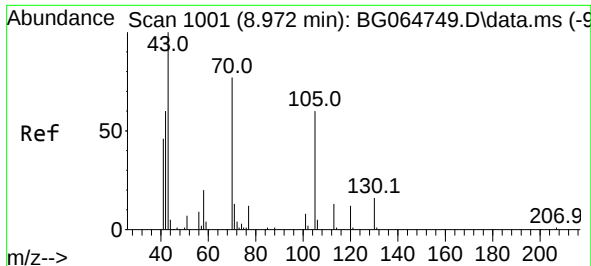
Tgt Ion:112 Resp: 179724
Ion Ratio Lower Upper
112 100
64 73.7 61.0 91.4
63 40.6 33.3 49.9



#7
Phenol-d6
Concen: 82.083 ng
RT: 7.308 min Scan# 718
Delta R.T. -0.002 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion: 99 Resp: 231519
Ion Ratio Lower Upper
99 100
42 21.4 16.8 25.2
71 38.9 31.1 46.7

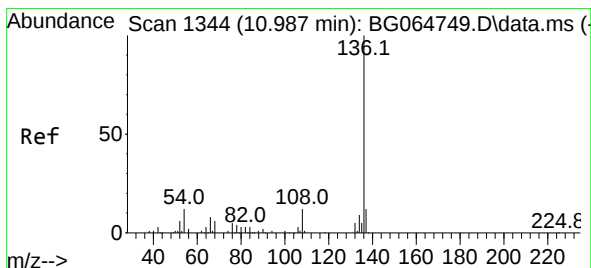
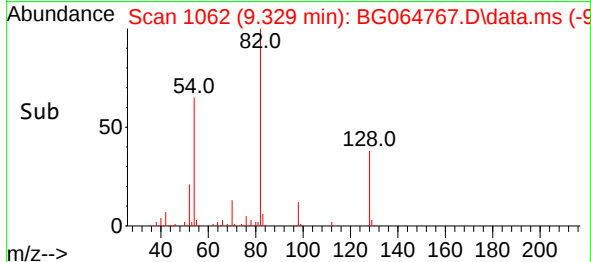
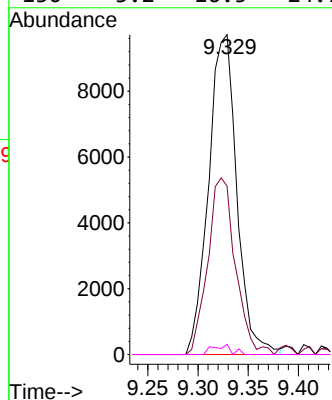
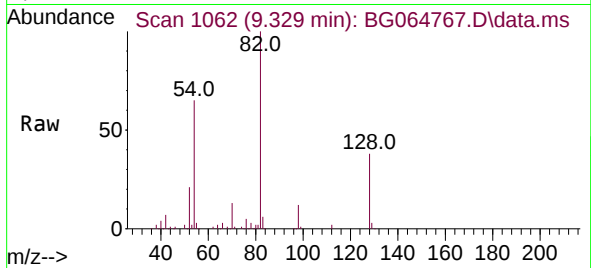




#19
n-Nitroso-di-n-propylamine
Concen: 10.002 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.357 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

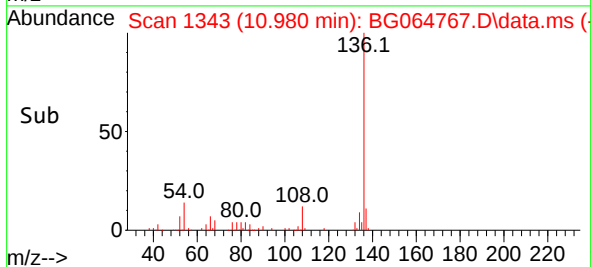
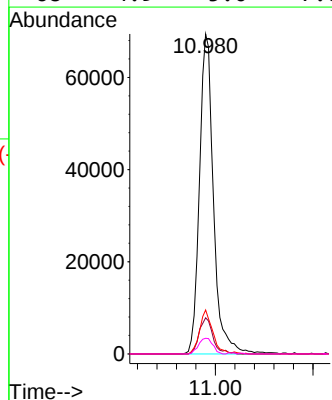
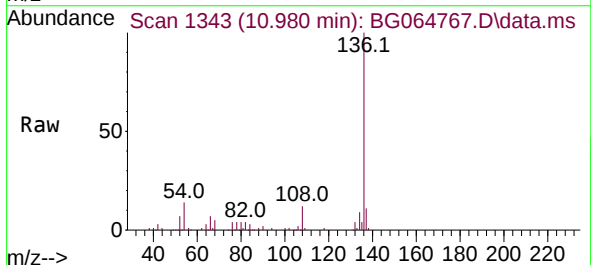
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-03

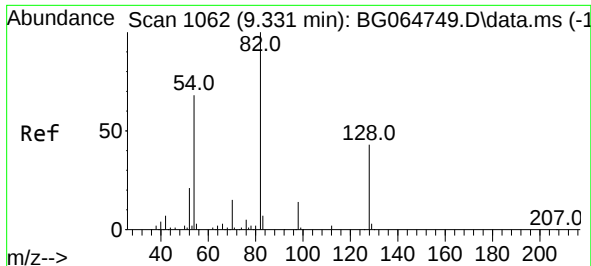
Tgt Ion:	70	Resp:	19074
Ion	Ratio	Lower	Upper
70	100		
42	52.6	62.6	93.8#
101	0.0	8.0	12.0#
130	3.2	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 1343
Delta R.T. -0.007 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion:	136	Resp:	138391
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	13.7	9.3	13.9
68	4.9	5.0	7.6#

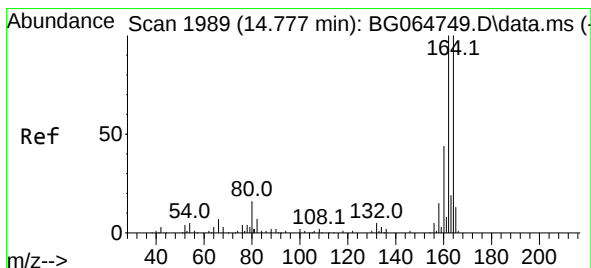
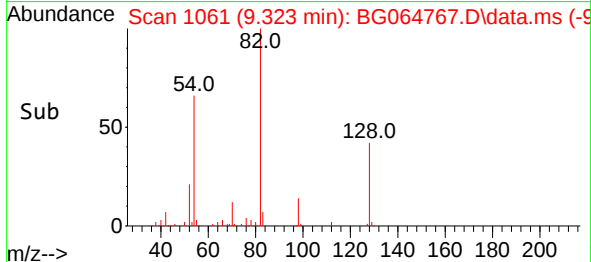
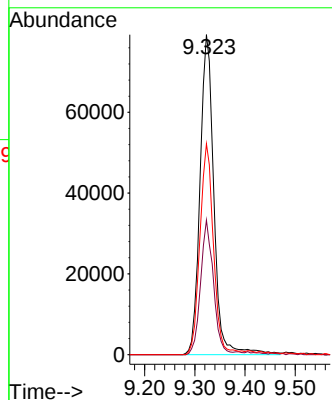
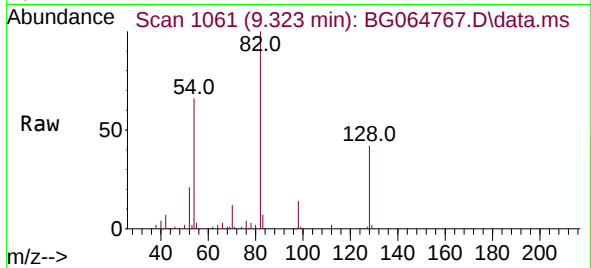




#23
Nitrobenzene-d5
Concen: 54.360 ng
RT: 9.323 min Scan# 1061
Delta R.T. -0.008 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

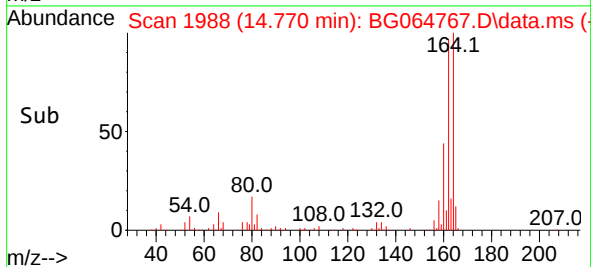
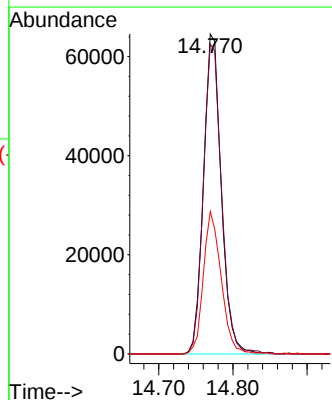
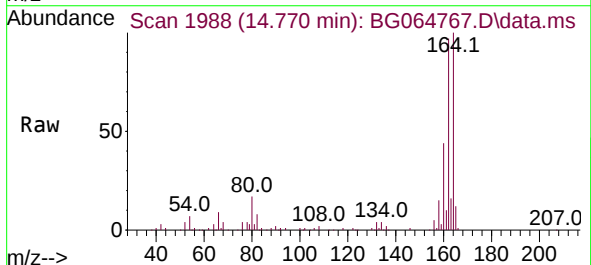
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-03

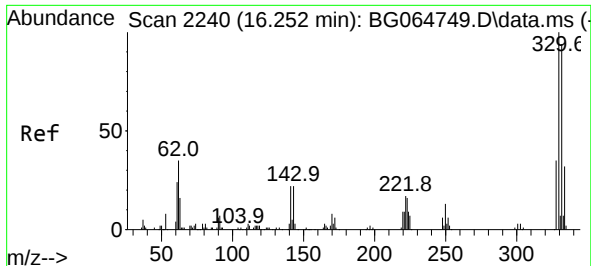
Tgt Ion: 82 Resp: 152153
Ion Ratio Lower Upper
82 100
128 42.0 34.1 51.1
54 65.9 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.770 min Scan# 1988
Delta R.T. -0.008 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion: 164 Resp: 107492
Ion Ratio Lower Upper
164 100
162 96.8 79.8 119.6
160 44.5 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 79.657 ng

RT: 16.244 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064767.D

Acq: 13 Nov 2025 22:08

Instrument :

BNA_G

ClientSampleId :

AU-713-COMP-03

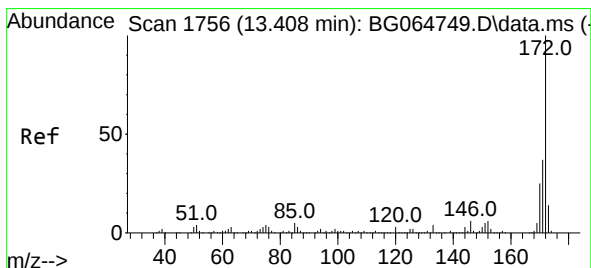
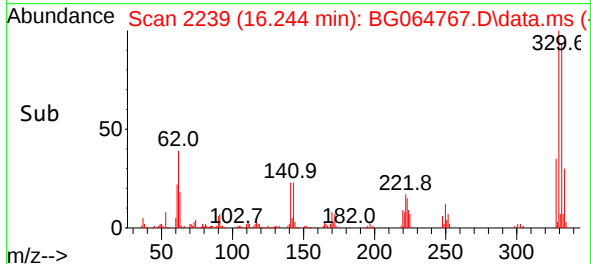
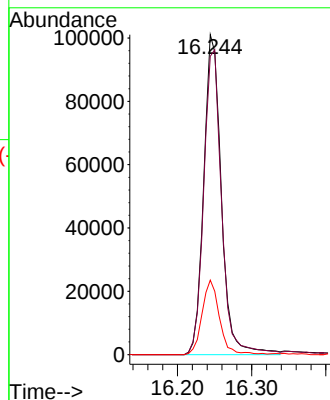
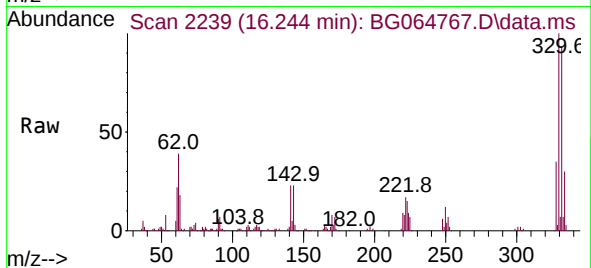
Tgt Ion:330 Resp: 166995

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 22.9 18.2 27.2



#45

2-Fluorobiphenyl

Concen: 53.804 ng

RT: 13.406 min Scan# 1756

Delta R.T. -0.002 min

Lab File: BG064767.D

Acq: 13 Nov 2025 22:08

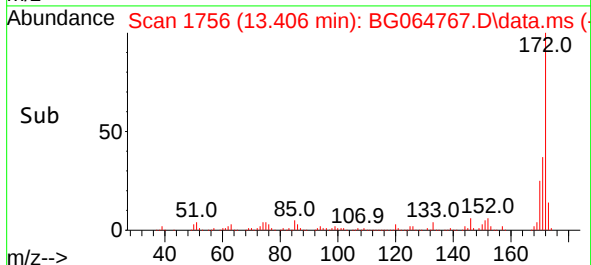
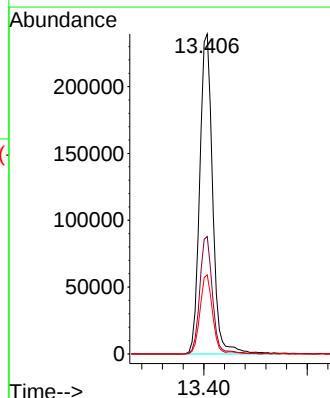
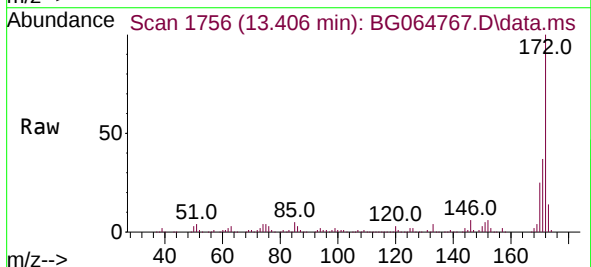
Tgt Ion:172 Resp: 414487

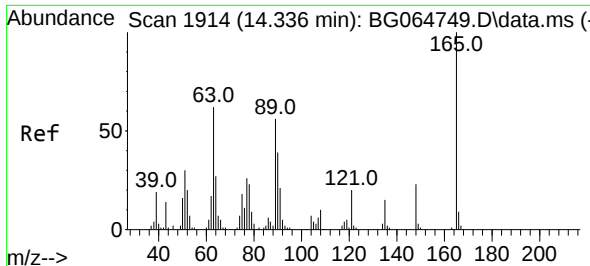
Ion Ratio Lower Upper

172 100

171 36.7 29.9 44.9

170 24.7 19.8 29.6

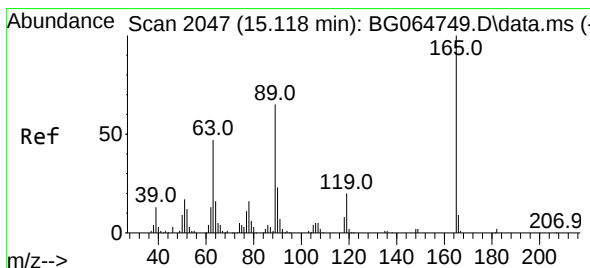
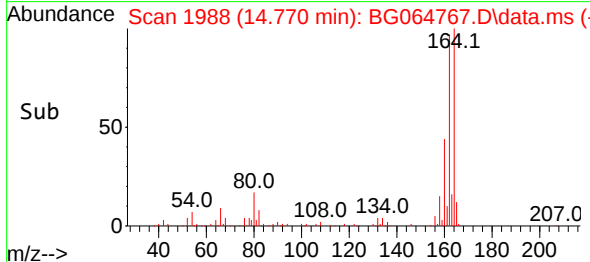
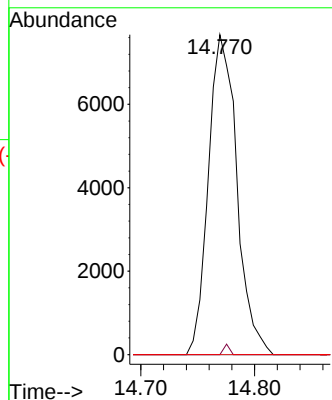
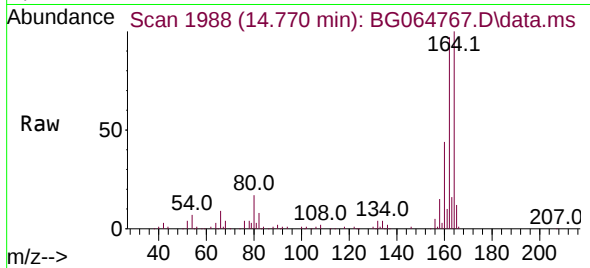




#51
2,6-Dinitrotoluene
Concen: 8.154 ng
RT: 14.770 min Scan# 1914
Delta R.T. 0.433 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

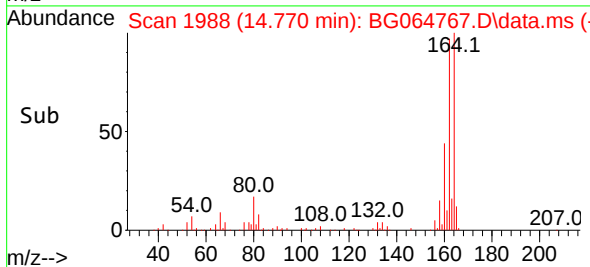
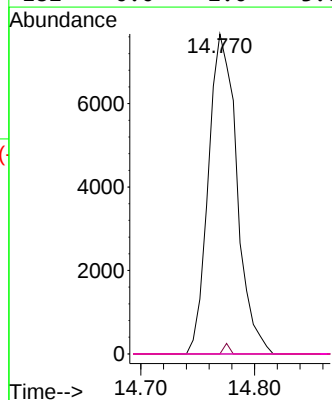
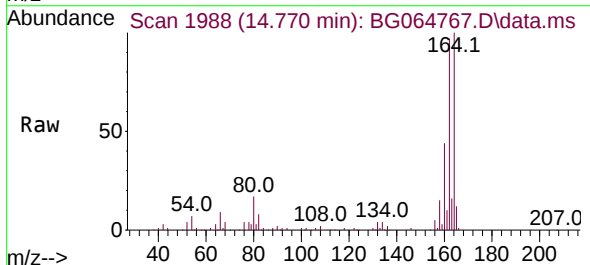
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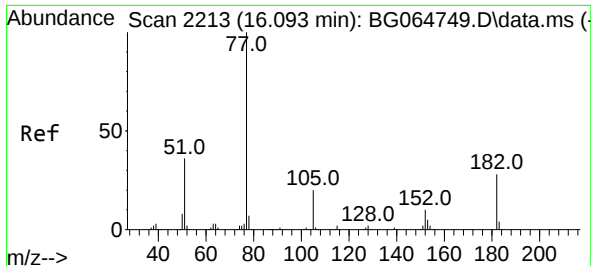
Tgt Ion:165 Resp: 13323
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.439 ng
RT: 14.770 min Scan# 1988
Delta R.T. -0.348 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion:165 Resp: 13323
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#

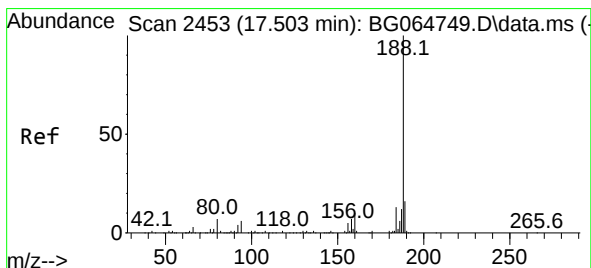
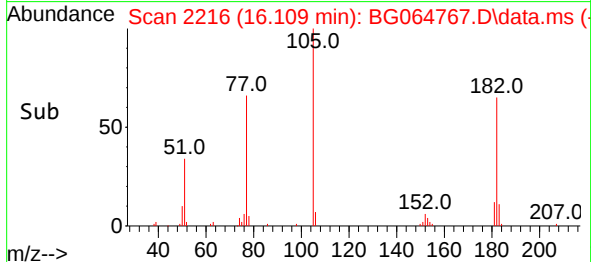
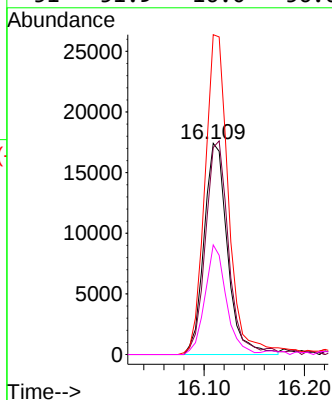
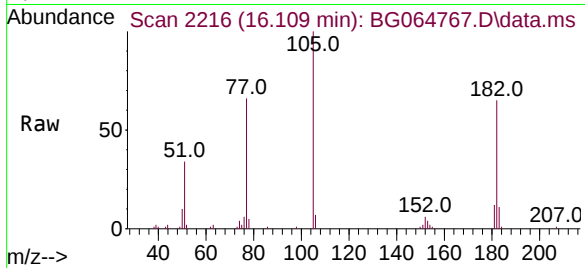




#63
Azobenzene
Concen: 4.178 ng
RT: 16.109 min Scan# 21
Delta R.T. 0.016 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

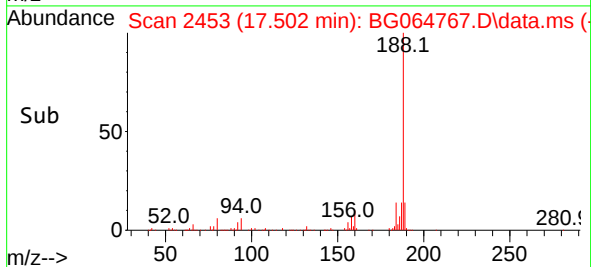
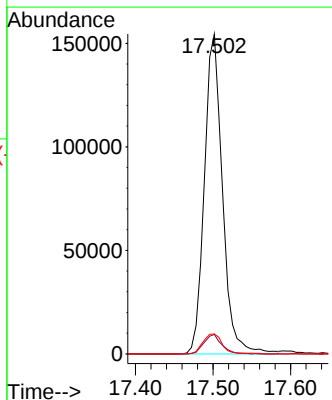
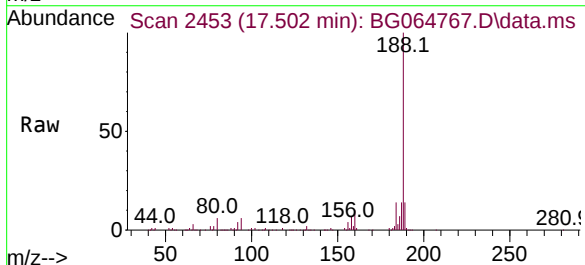
Instrument :
BNA_G
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AU-713-COMP-03

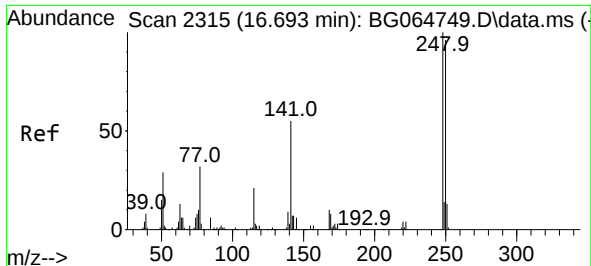
Tgt Ion: 77	Resp: 28265
Ion Ratio	Lower Upper
77 100	
182 98.0	8.1 48.1#
105 151.4	0.1 40.1#
51 51.9	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 2453
Delta R.T. -0.002 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion: 188	Resp: 250464
Ion Ratio	Lower Upper
188 100	
94 6.1	4.7 7.1
80 6.2	5.4 8.2

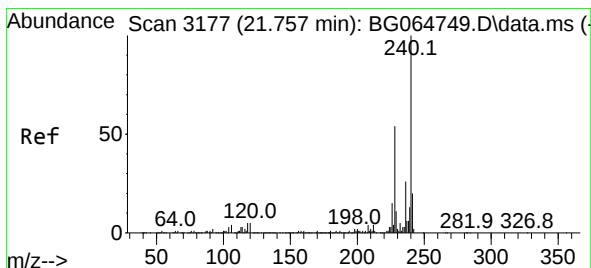
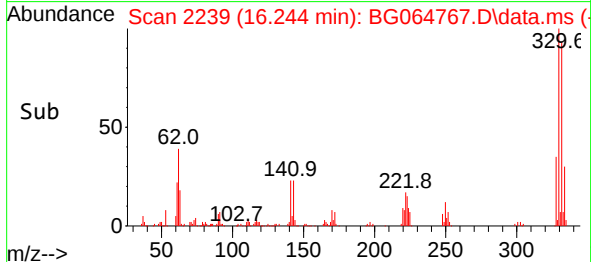
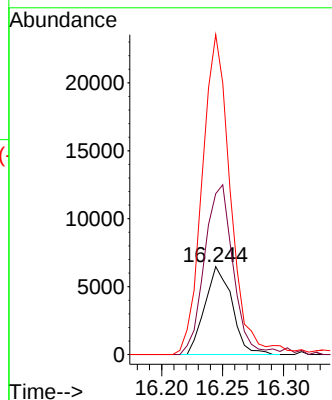
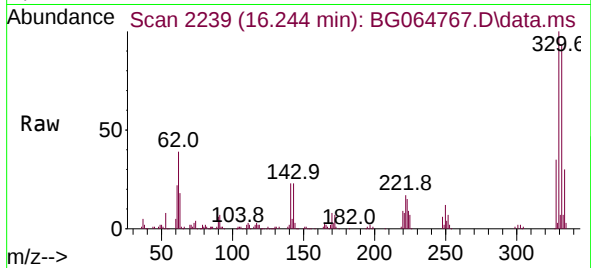




#67
4-Bromophenyl-phenylether
Concen: 3.063 ng
RT: 16.244 min Scan# 21
Delta R.T. -0.448 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

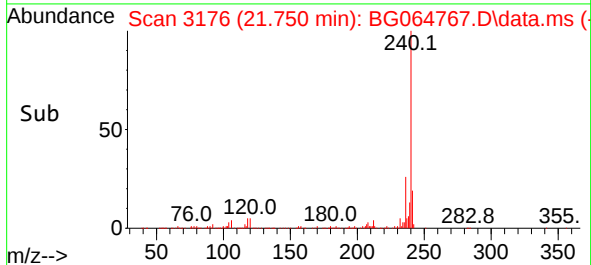
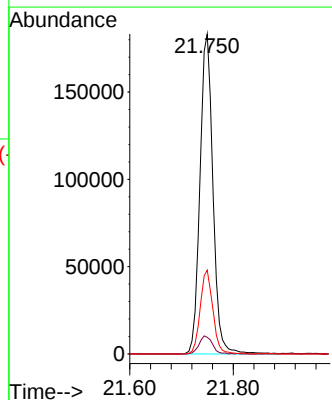
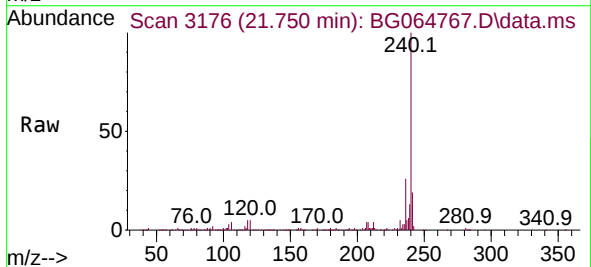
Instrument :
BNA_G
ClientSampleId :
AU-713-COMP-03

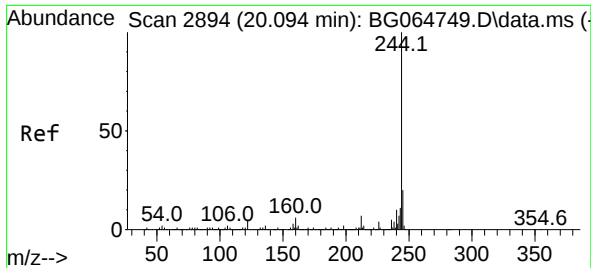
Tgt Ion:248 Resp: 10075
Ion Ratio Lower Upper
248 100
250 239.4 77.0 115.6#
141 364.2 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.008 min
Lab File: BG064767.D
Acq: 13 Nov 2025 22:08

Tgt Ion:240 Resp: 318831
Ion Ratio Lower Upper
240 100
120 5.2 4.2 6.4
236 26.2 20.8 31.2

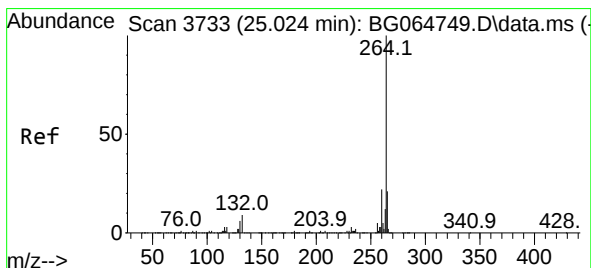
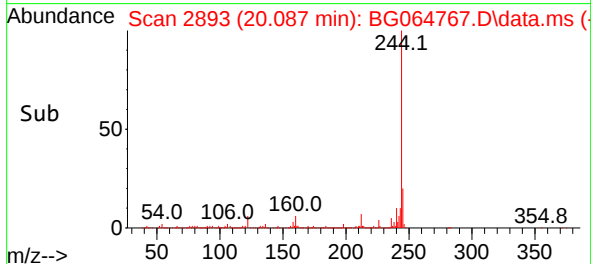
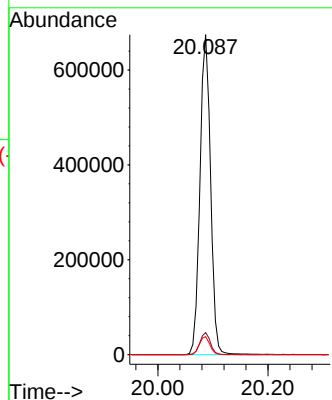
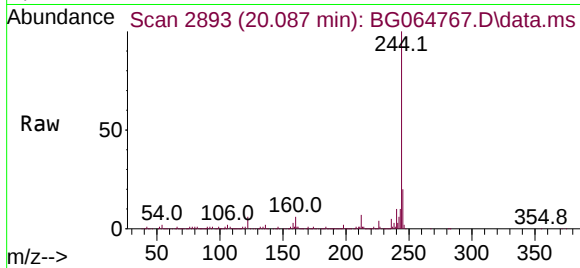




#79
 Terphenyl-d14
 Concen: 55.552 ng
 RT: 20.087 min Scan# 2893
 Delta R.T. -0.008 min
 Lab File: BG064767.D
 Acq: 13 Nov 2025 22:08

Instrument :
 BNA_G
 ClientSampleId :
 AU-713-COMP-03

Tgt Ion:244 Resp: 900406
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 5.6 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.005 min Scan# 3730
 Delta R.T. -0.019 min
 Lab File: BG064767.D
 Acq: 13 Nov 2025 22:08

Tgt Ion:264 Resp: 333639
 Ion Ratio Lower Upper
 264 100
 260 23.4 17.2 25.8
 265 20.2 16.6 25.0

