

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111325\
 Data File : BG064763.D
 Acq On : 13 Nov 2025 19:24
 Operator : RC/JU
 Sample : Q3618-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EME-GENERAL-FILL

Quant Time: Nov 14 05:03:19 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)

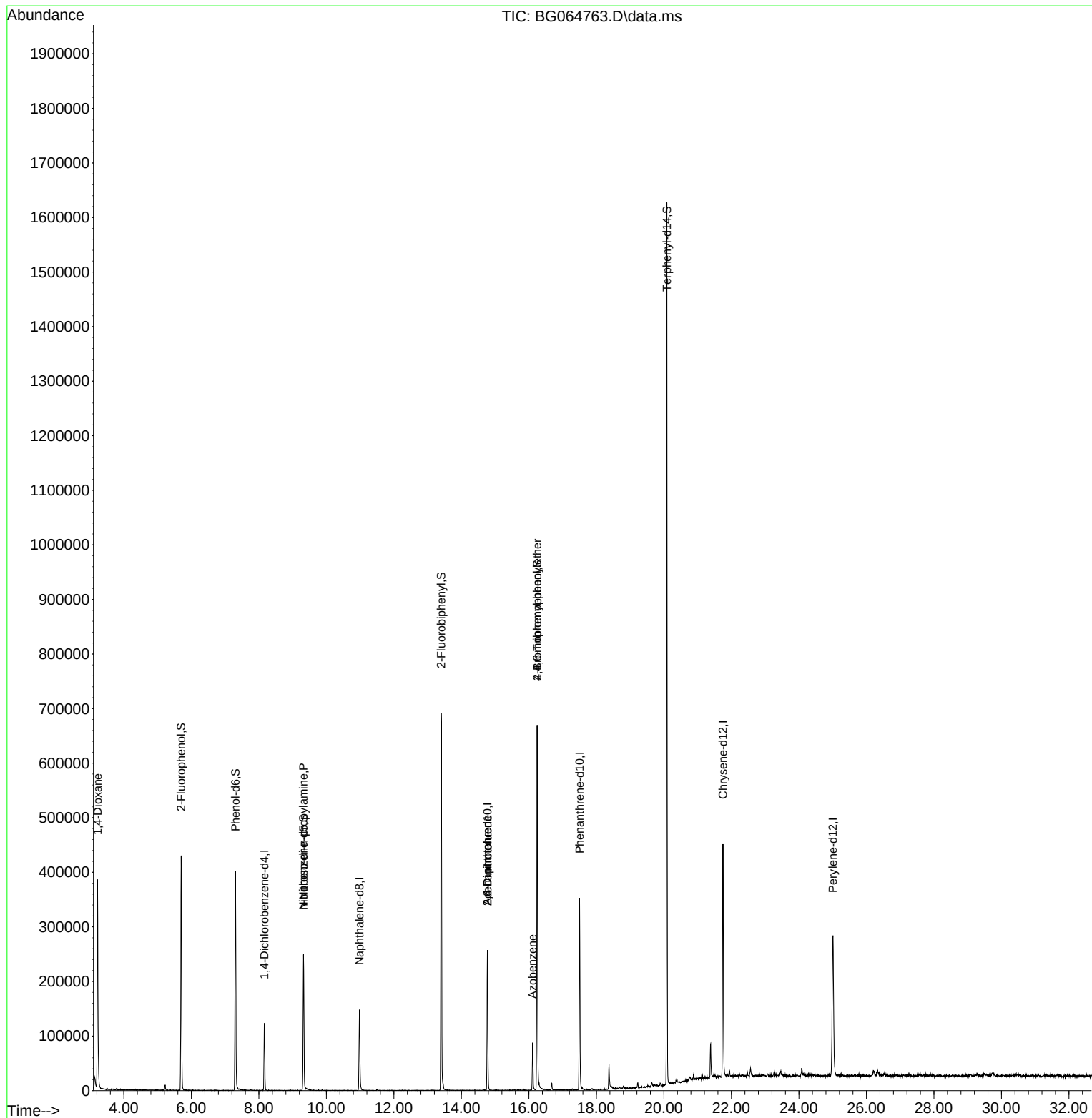
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.161	152	35280	20.000	ng	0.00
21) Naphthalene-d8	10.981	136	131343	20.000	ng	0.00
39) Acenaphthene-d10	14.771	164	103579	20.000	ng	0.00
64) Phenanthrene-d10	17.503	188	249435	20.000	ng	0.00
76) Chrysene-d12	21.751	240	302866	20.000	ng	0.00
86) Perylene-d12	25.006	264	328729	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	177473	87.842	ng	0.00
7) Phenol-d6	7.309	99	232365	86.472	ng	0.00
23) Nitrobenzene-d5	9.324	82	147882	55.669	ng	0.00
42) 2,4,6-Tribromophenol	16.246	330	163141	80.758	ng	0.00
45) 2-Fluorobiphenyl	13.402	172	407686	54.921	ng	0.00
79) Terphenyl-d14	20.088	244	851076	55.277	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.220	88	3124	3.994	ng	# 1
19) n-Nitroso-di-n-propyla...	9.324	70	20226	11.132	ng	# 69
51) 2,6-Dinitrotoluene	14.771	165	13393	8.507	ng	# 21
57) 2,4-Dinitrotoluene	14.771	165	13393	5.674	ng	# 24
63) Azobenzene	16.111	77	26855	4.119	ng	# 1
67) 4-Bromophenyl-phenylether	16.246	248	10152	3.099	ng	# 1

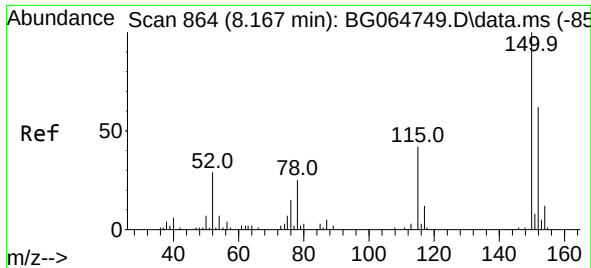
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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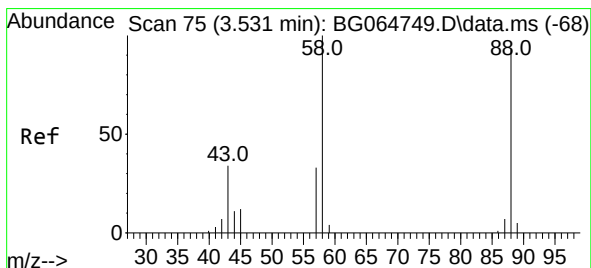
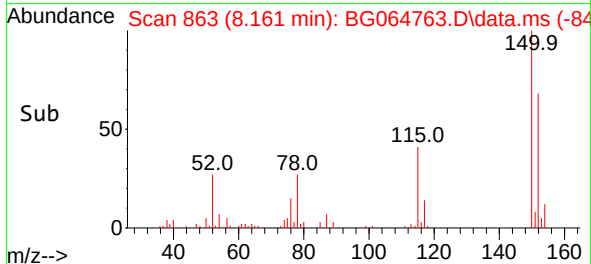
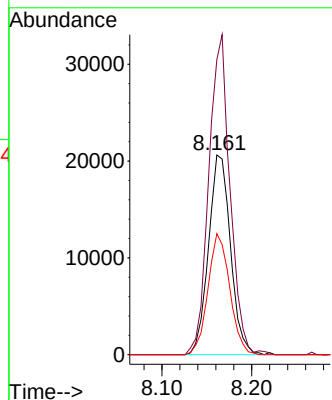
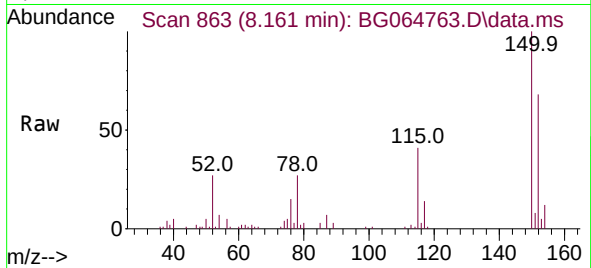




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.161 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

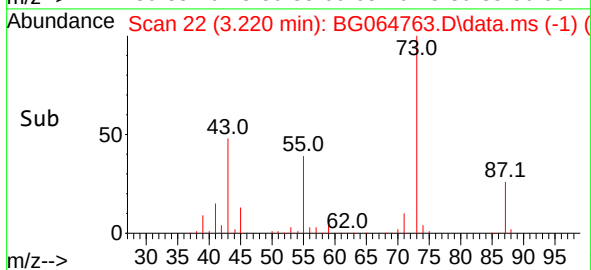
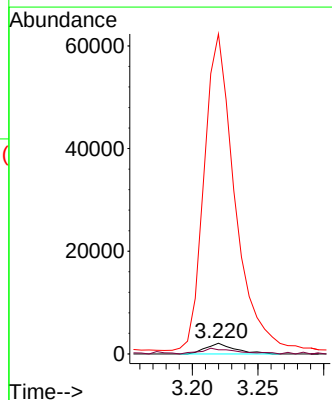
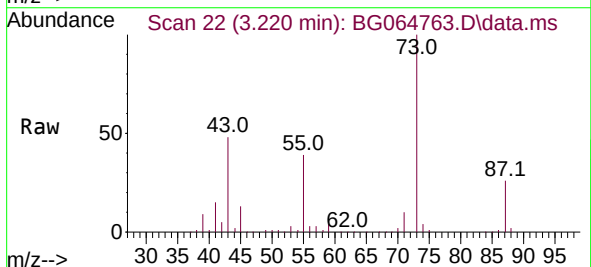
Instrument :
 BNA_G
 ClientSampleId :
 EME-GENERAL-FILL

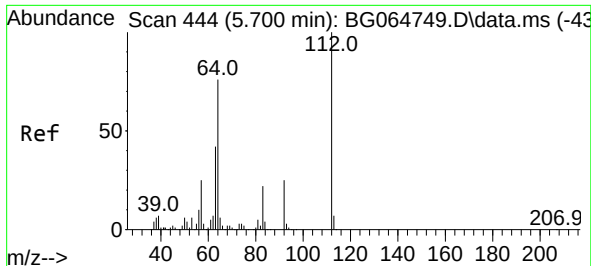
Tgt Ion:152 Resp: 35280
 Ion Ratio Lower Upper
 152 100
 150 147.8 129.2 193.8
 115 60.6 53.7 80.5



#2
 1,4-Dioxane
 Concen: 3.994 ng
 RT: 3.220 min Scan# 22
 Delta R.T. -0.312 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

Tgt Ion: 88 Resp: 3124
 Ion Ratio Lower Upper
 88 100
 58 64.8 84.6 126.8#
 43 3251.9 30.0 45.0#

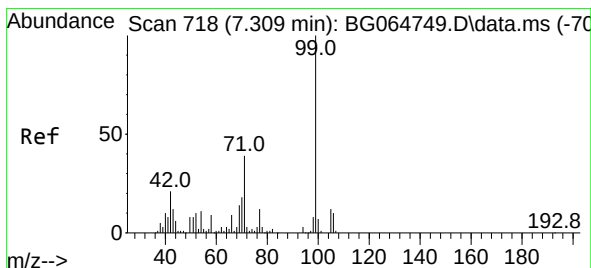
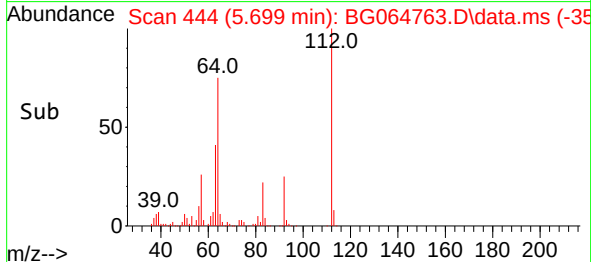
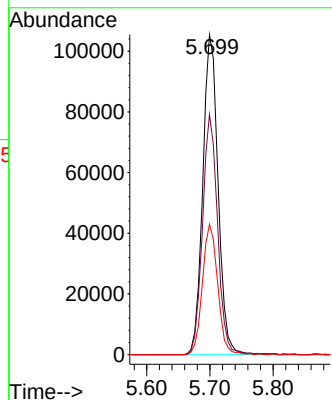
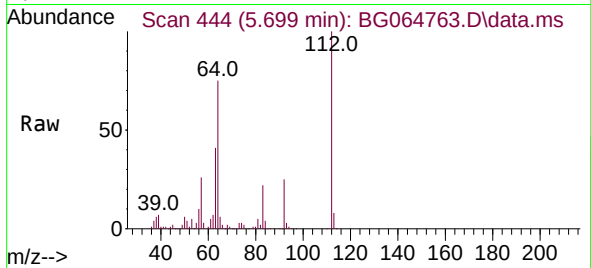




#5
2-Fluorophenol
Concen: 87.842 ng
RT: 5.699 min Scan# 444
Delta R.T. -0.000 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

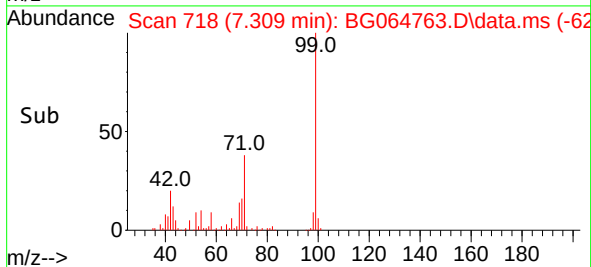
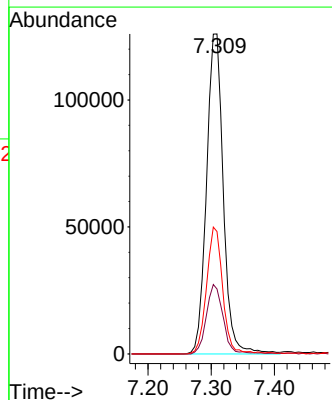
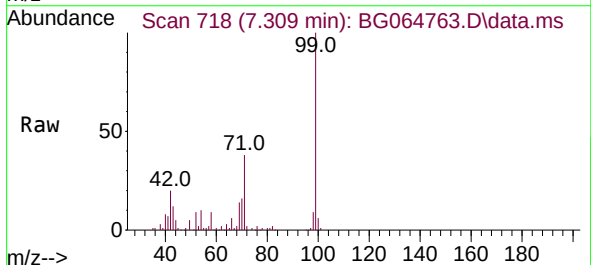
Instrument :
BNA_G
ClientSampleId :
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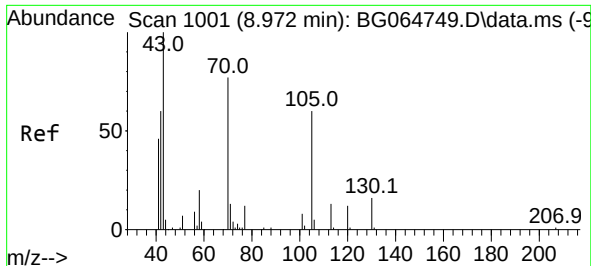
Tgt Ion:112 Resp: 177473
Ion Ratio Lower Upper
112 100
64 75.1 61.0 91.4
63 40.7 33.3 49.9



#7
Phenol-d6
Concen: 86.472 ng
RT: 7.309 min Scan# 718
Delta R.T. -0.000 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

Tgt Ion: 99 Resp: 232365
Ion Ratio Lower Upper
99 100
42 20.3 16.8 25.2
71 38.3 31.1 46.7

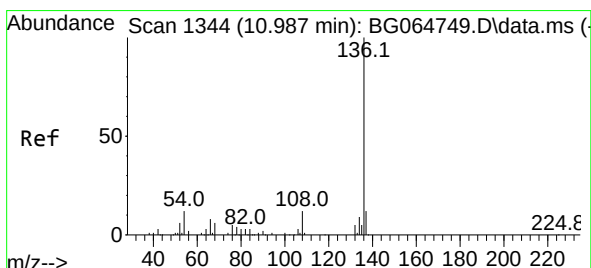
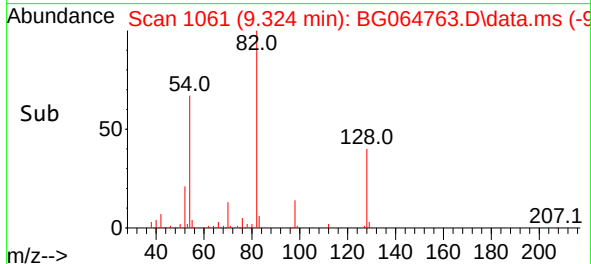
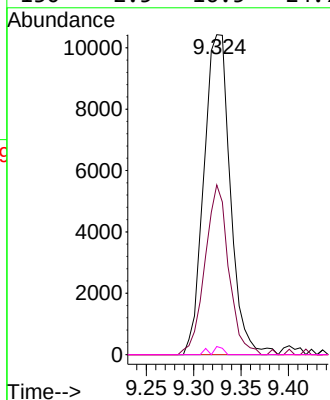
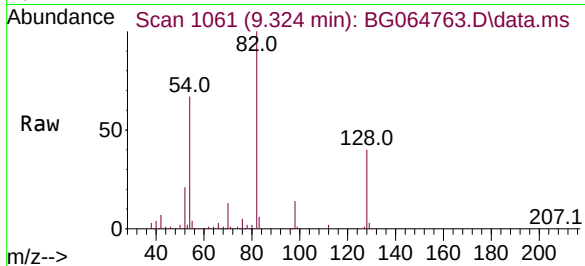




#19
n-Nitroso-di-n-propylamine
Concen: 11.132 ng
RT: 9.324 min Scan# 10
Delta R.T. 0.352 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

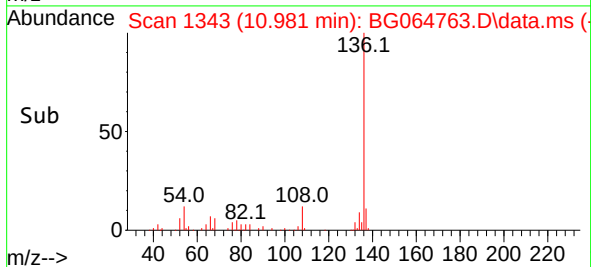
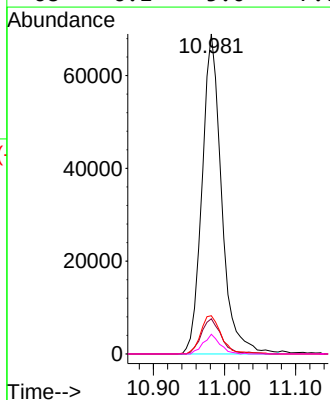
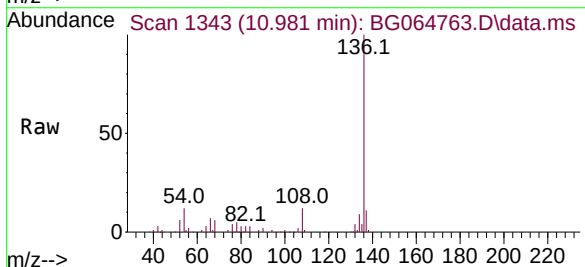
Instrument :
BNA_G
ClientSampleId :
EME-GENERAL-FILL

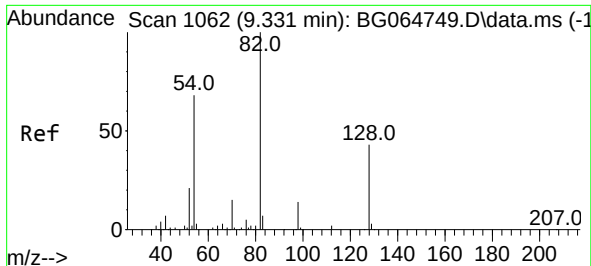
Tgt Ion:	70	Resp:	20226
Ion	Ratio	Lower	Upper
70	100		
42	53.0	62.6	93.8#
101	0.0	8.0	12.0#
130	2.5	16.5	24.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.981 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

Tgt Ion:	136	Resp:	131343
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.3	13.9
54	11.9	9.3	13.9
68	6.1	5.0	7.6





#23

Nitrobenzene-d5

Concen: 55.669 ng

RT: 9.324 min Scan# 1062

Delta R.T. -0.006 min

Lab File: BG064763.D

Acq: 13 Nov 2025 19:24

Instrument :

BNA_G

ClientSampleId :

EME-GENERAL-FILL

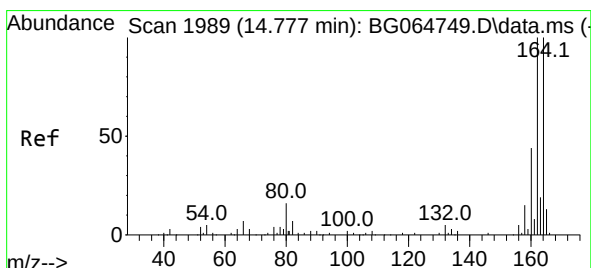
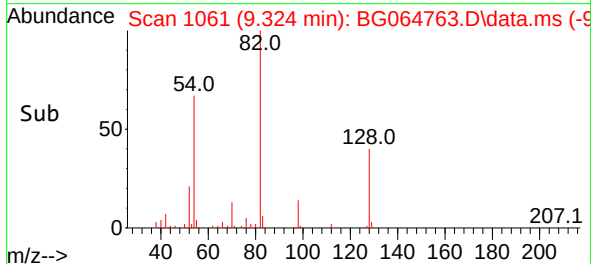
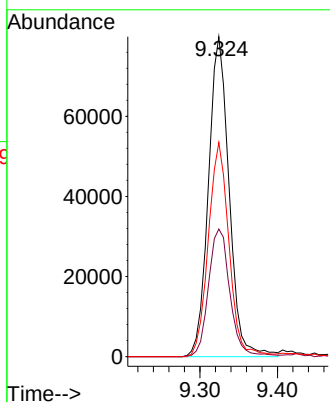
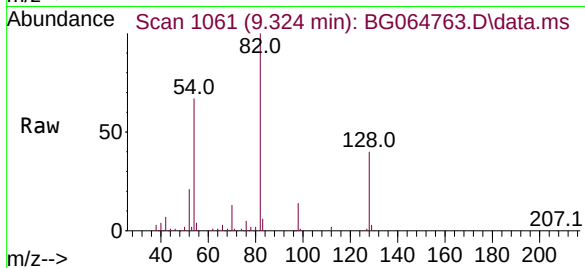
Tgt Ion: 82 Resp: 147882

Ion Ratio Lower Upper

82 100

128 39.9 34.1 51.1

54 66.9 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: BG064763.D

Acq: 13 Nov 2025 19:24

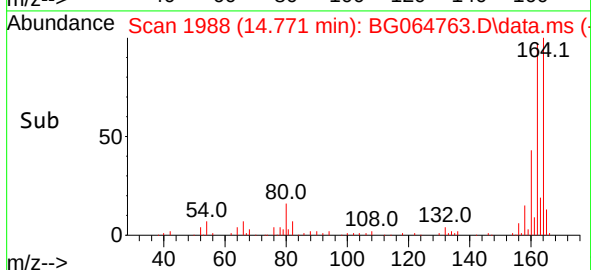
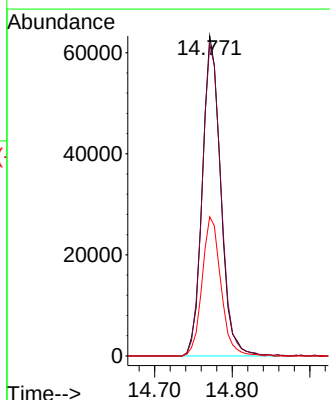
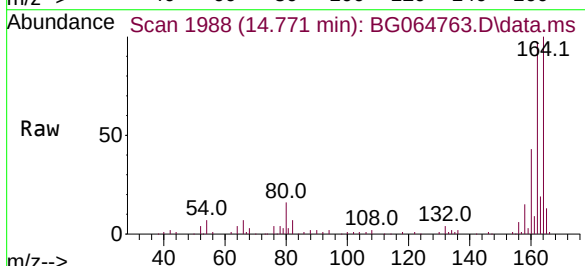
Tgt Ion: 164 Resp: 103579

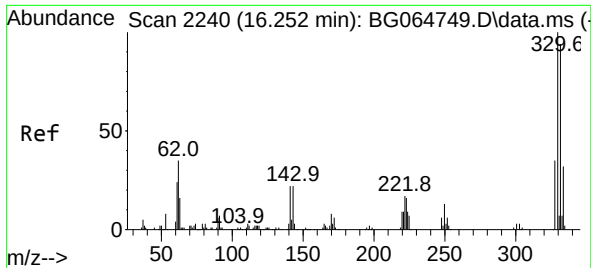
Ion Ratio Lower Upper

164 100

162 97.5 79.8 119.6

160 43.5 34.9 52.3

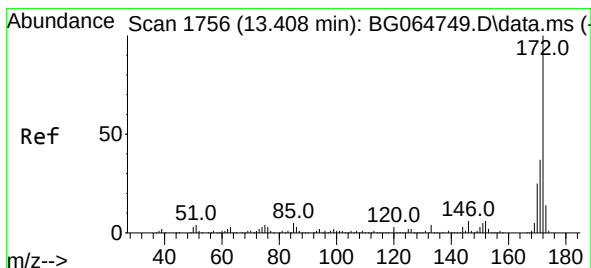
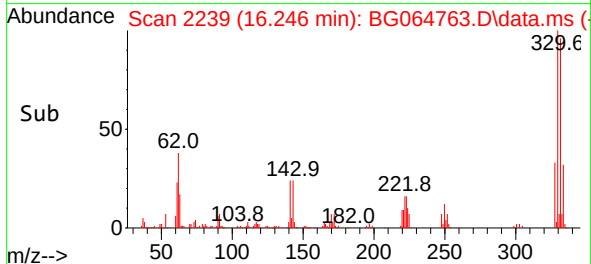
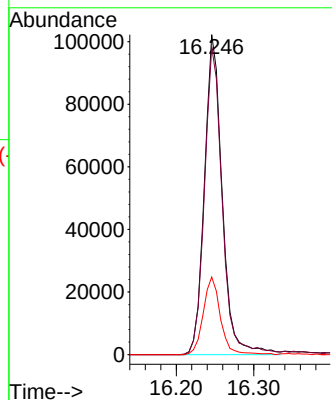
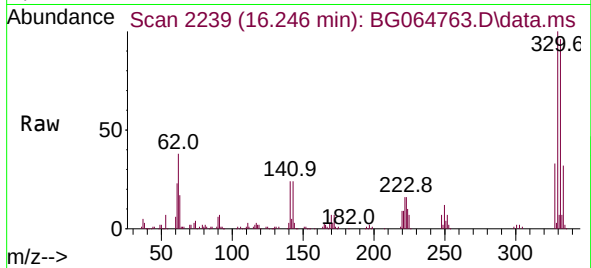




#42
 2,4,6-Tribromophenol
 Concen: 80.758 ng
 RT: 16.246 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

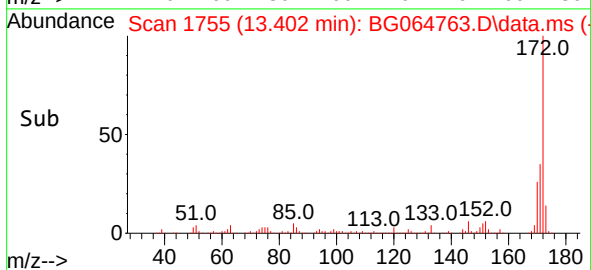
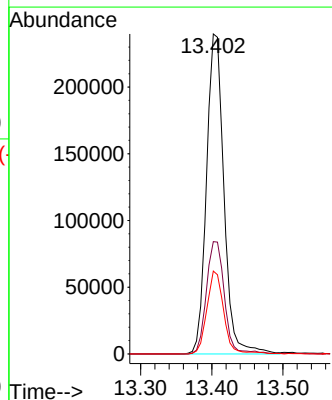
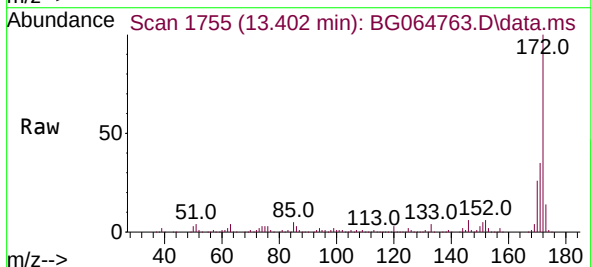
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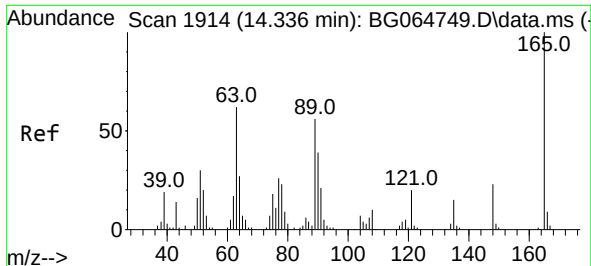
Tgt Ion:330 Resp: 163141
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 23.3 18.2 27.2



#45
 2-Fluorobiphenyl
 Concen: 54.921 ng
 RT: 13.402 min Scan# 1755
 Delta R.T. -0.006 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

Tgt Ion:172 Resp: 407686
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.9 44.9
 170 25.9 19.8 29.6

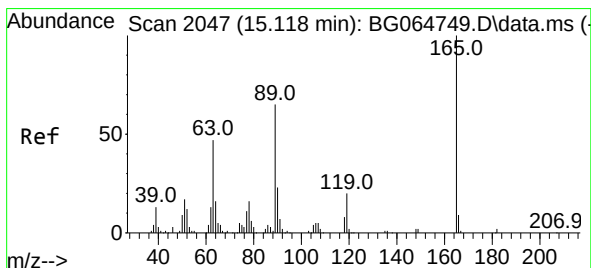
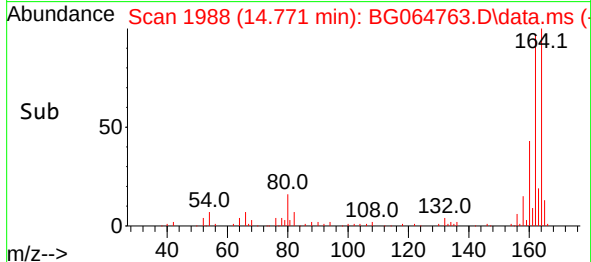
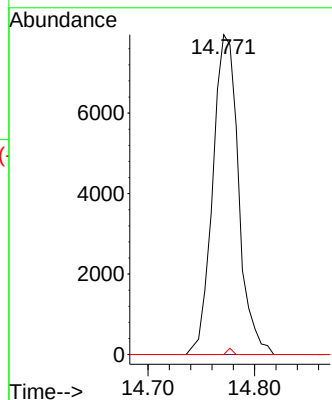
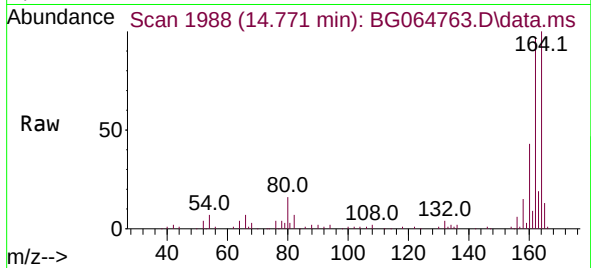




#51
2,6-Dinitrotoluene
Concen: 8.507 ng
RT: 14.771 min Scan# 1914
Delta R.T. 0.434 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

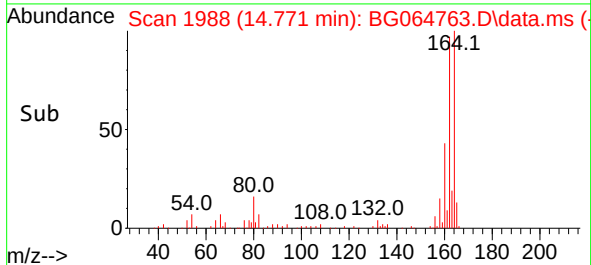
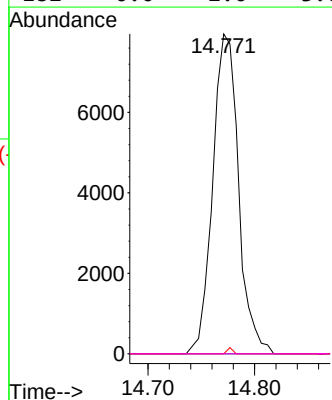
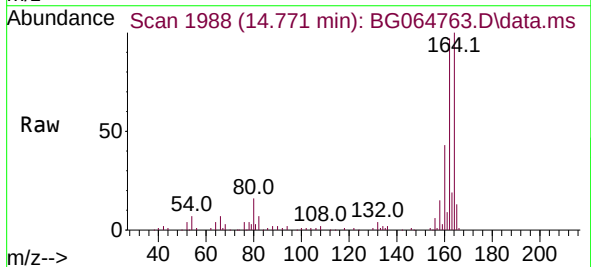
Instrument :
BNA_G
ClientSampleId :
EME-GENERAL-FILL

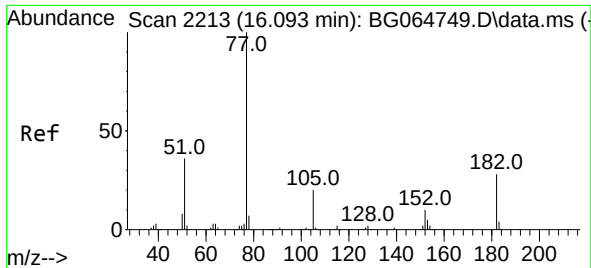
Tgt Ion:165 Resp: 13393
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



#57
2,4-Dinitrotoluene
Concen: 5.674 ng
RT: 14.771 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

Tgt Ion:165 Resp: 13393
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#

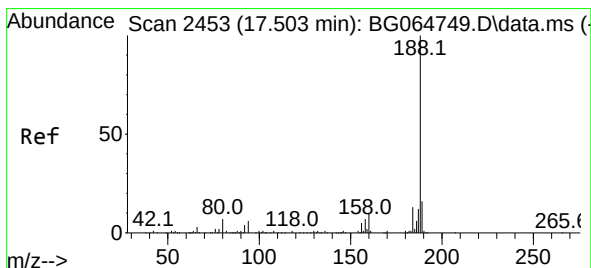
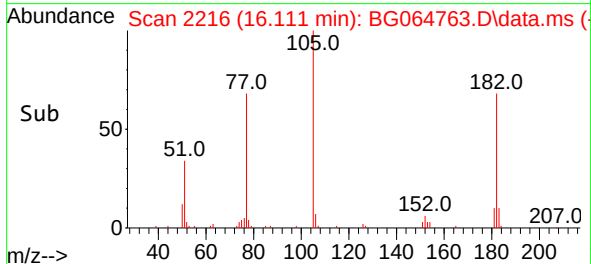
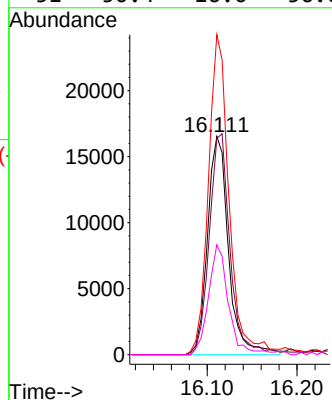
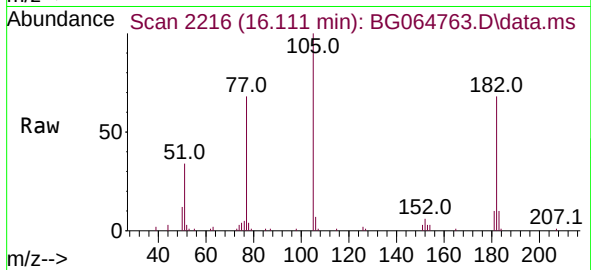




#63
Azobenzene
Concen: 4.119 ng
RT: 16.111 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

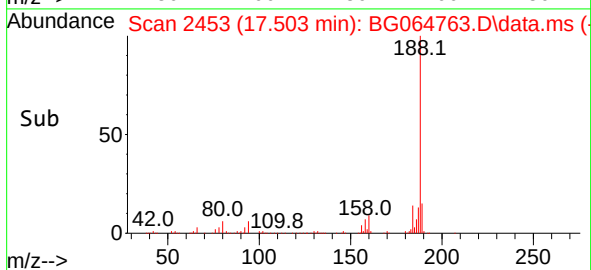
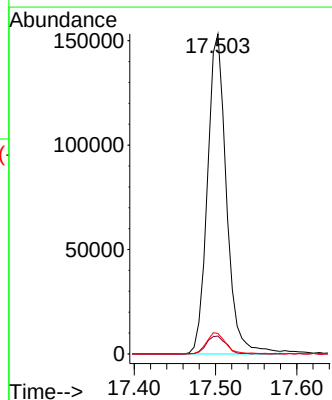
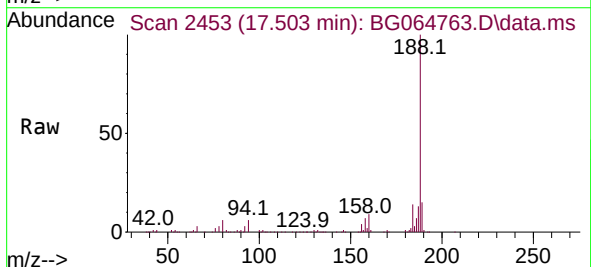
Instrument :
BNA_G
ClientSampleId :
EME-GENERAL-FILL

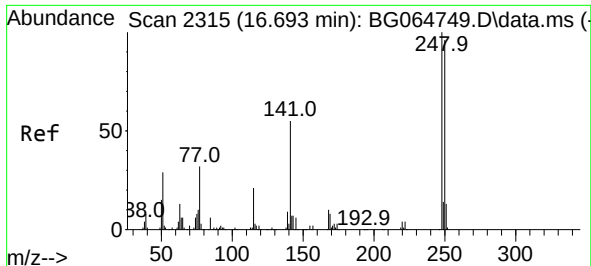
Tgt Ion: 77	Resp: 26855
Ion Ratio	Lower Upper
77 100	
182 99.2	8.1 48.1#
105 146.7	0.1 40.1#
51 50.4	16.0 56.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.503 min Scan# 2453
Delta R.T. -0.000 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

Tgt Ion: 188	Resp: 249435
Ion Ratio	Lower Upper
188 100	
94 5.6	4.7 7.1
80 6.4	5.4 8.2

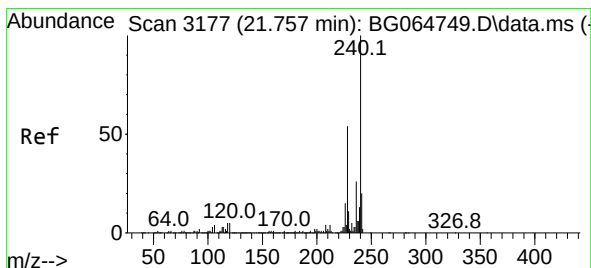
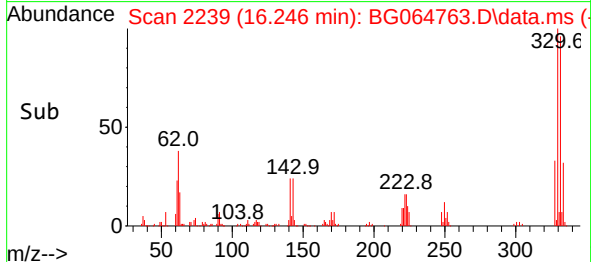
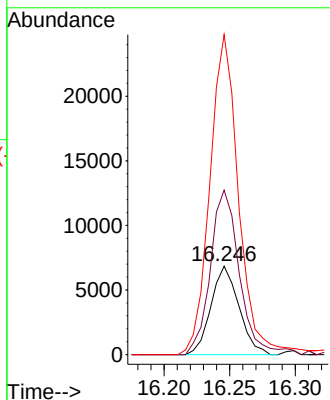
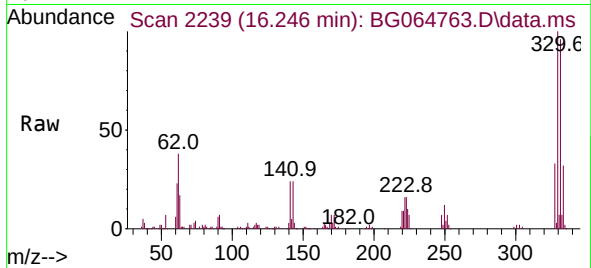




#67
4-Bromophenyl-phenylether
Concen: 3.099 ng
RT: 16.246 min Scan# 21
Delta R.T. -0.447 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

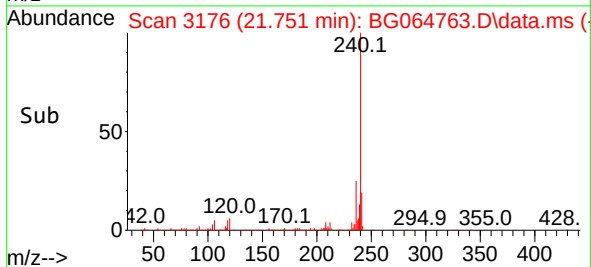
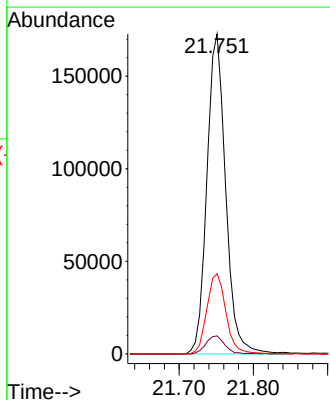
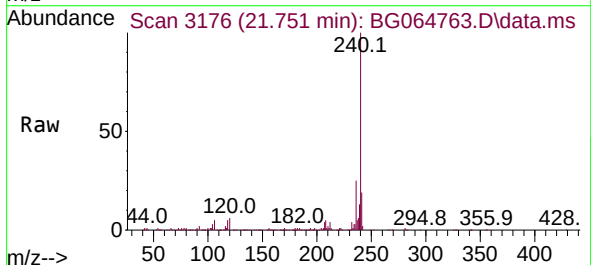
Instrument :
BNA_G
ClientSampleId :
EME-GENERAL-FILL

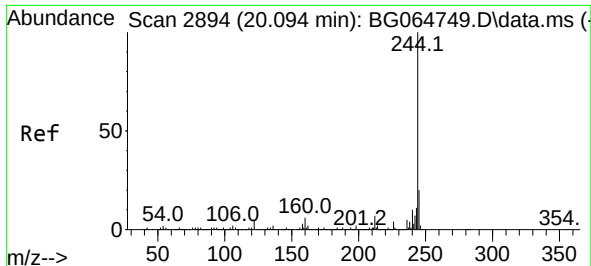
Tgt Ion:248 Resp: 10152
Ion Ratio Lower Upper
248 100
250 188.9 77.0 115.6#
141 279.0 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.751 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG064763.D
Acq: 13 Nov 2025 19:24

Tgt Ion:240 Resp: 302866
Ion Ratio Lower Upper
240 100
120 5.6 4.2 6.4
236 25.1 20.8 31.2

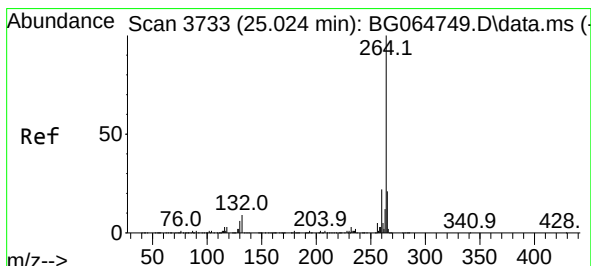
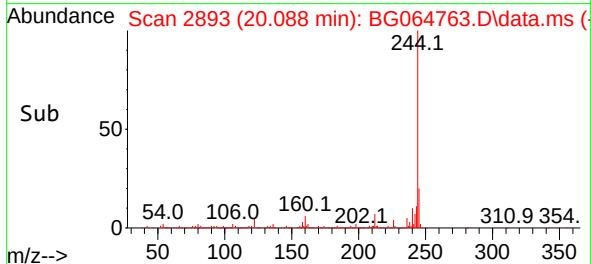
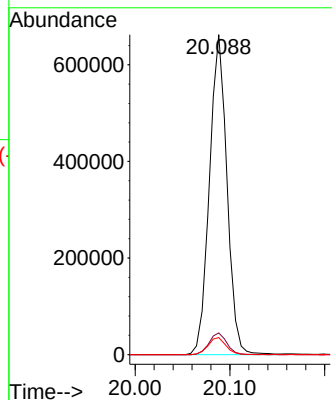
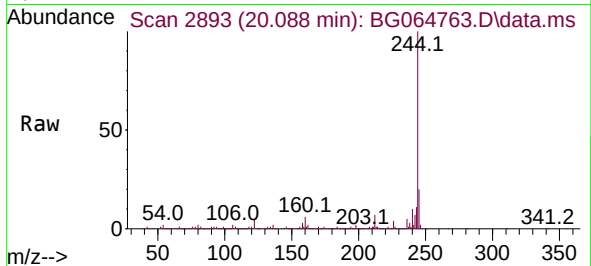




#79
 Terphenyl-d14
 Concen: 55.277 ng
 RT: 20.088 min Scan# 2893
 Delta R.T. -0.006 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

Instrument :
 BNA_G
 ClientSampleId :
 EME-GENERAL-FILL

Tgt Ion:244 Resp: 851076
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 5.3 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.006 min Scan# 3730
 Delta R.T. -0.018 min
 Lab File: BG064763.D
 Acq: 13 Nov 2025 19:24

Tgt Ion:264 Resp: 328729
 Ion Ratio Lower Upper
 264 100
 260 24.6 17.2 25.8
 265 21.9 16.6 25.0

