

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111725\
 Data File : BG064785.D
 Acq On : 17 Nov 2025 15:18
 Operator : RC/JU
 Sample : PB170586BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170586BL

Quant Time: Nov 17 15:57:32 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)

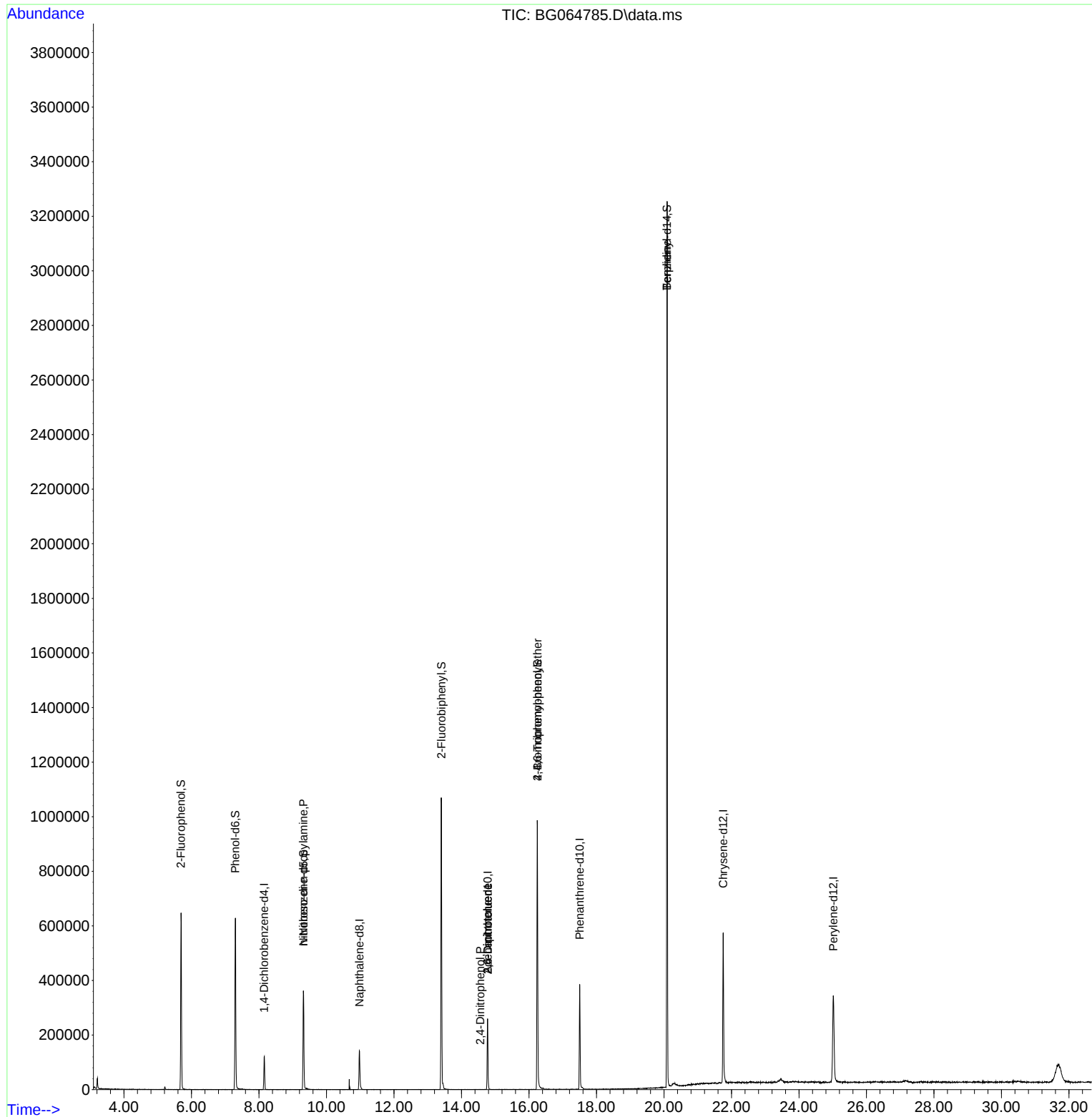
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.154	152	36450	20.000	ng	-0.01
21) Naphthalene-d8	10.980	136	134745	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	111410	20.000	ng	0.00
64) Phenanthrene-d10	17.502	188	272371	20.000	ng	0.00
76) Chrysene-d12	21.756	240	388861	20.000	ng	0.00
86) Perylene-d12	25.017	264	410082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.692	112	269943	129.322	ng	0.00
7) Phenol-d6	7.302	99	356601	128.445	ng	0.00
23) Nitrobenzene-d5	9.317	82	222191	81.530	ng	-0.01
42) 2,4,6-Tribromophenol	16.250	330	260154	119.730	ng	0.00
45) 2-Fluorobiphenyl	13.407	172	637152	79.799	ng	0.00
79) Terphenyl-d14	20.093	244	1708035	86.403	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.317	70	29406	15.665	ng	# 67
51) 2,6-Dinitrotoluene	14.776	165	13511	7.978	ng	# 21
54) 2,4-Dinitrophenol	14.558	184	57	8.628	ng	# 20
57) 2,4-Dinitrotoluene	14.776	165	13510	5.321	ng	# 24
67) 4-Bromophenyl-phenylether	16.250	248	15987	4.470	ng	# 1
77) Benzidine	20.093	184	23450	2.014	ng	# 92

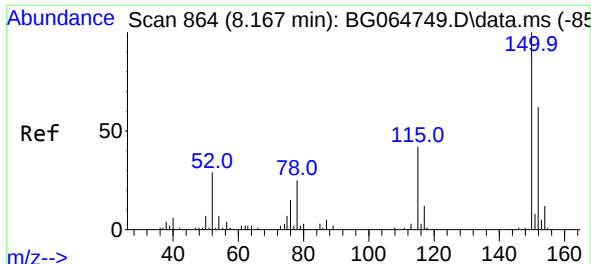
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 12 17:10:56 2025
Response via : Initial Calibration

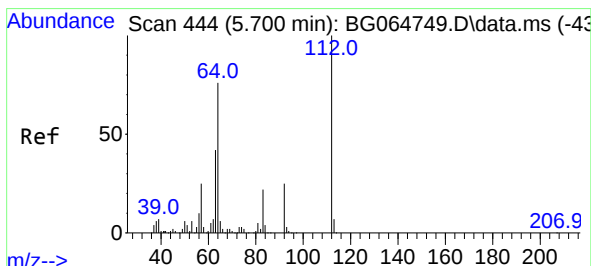
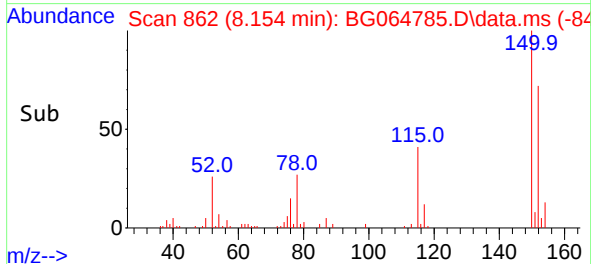
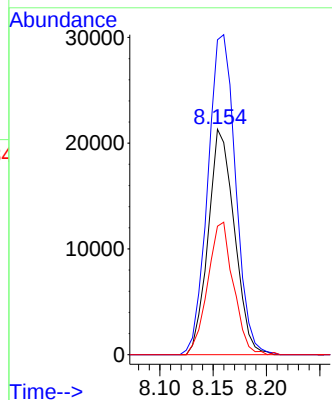
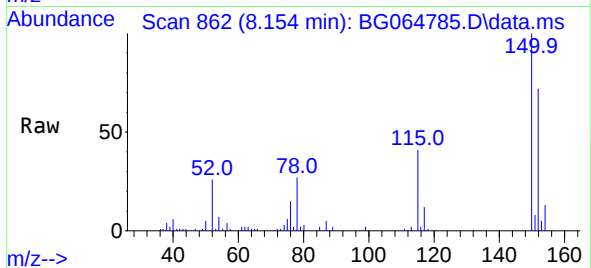




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.154 min Scan# 80
Delta R.T. -0.013 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

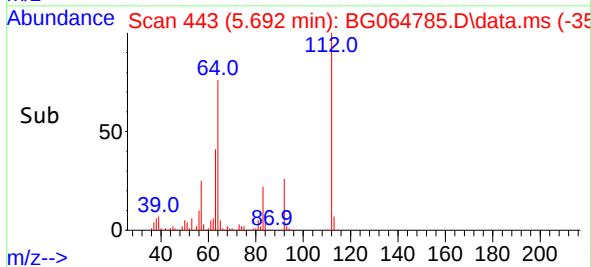
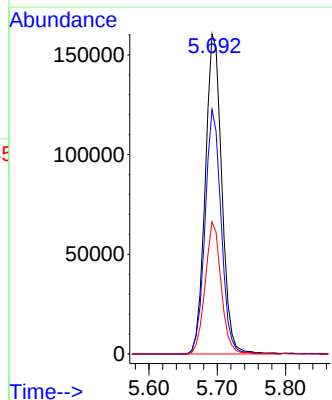
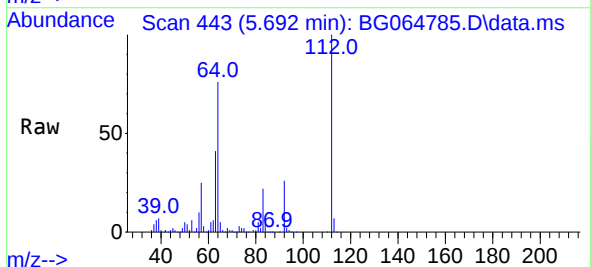
Instrument :
BNA_G
ClientSampleId :
PB170586BL

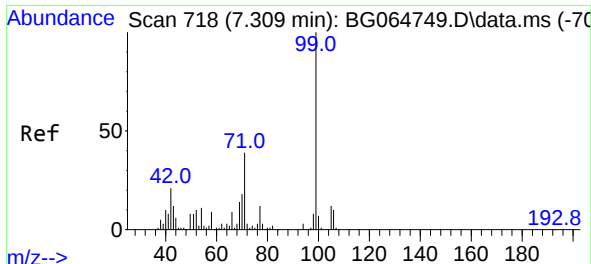
Tgt Ion:152 Resp: 36450
Ion Ratio Lower Upper
152 100
150 139.7 129.2 193.8
115 57.0 53.7 80.5



#5
2-Fluorophenol
Concen: 129.322 ng
RT: 5.692 min Scan# 443
Delta R.T. -0.007 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:112 Resp: 269943
Ion Ratio Lower Upper
112 100
64 76.3 61.0 91.4
63 41.3 33.3 49.9

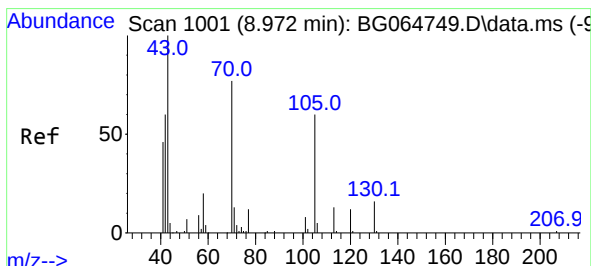
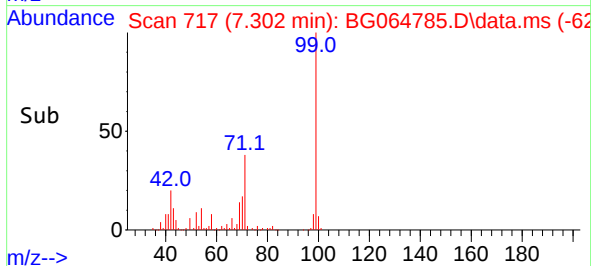
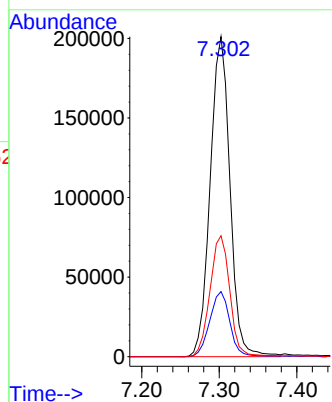
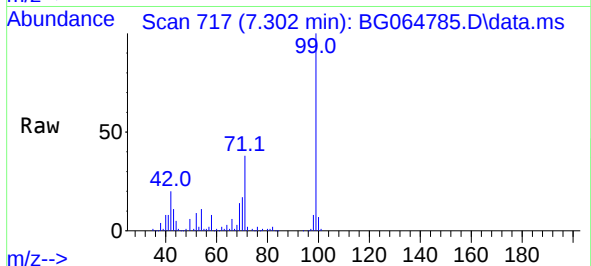




#7
Phenol-d6
Concen: 128.445 ng
RT: 7.302 min Scan# 71
Delta R.T. -0.007 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

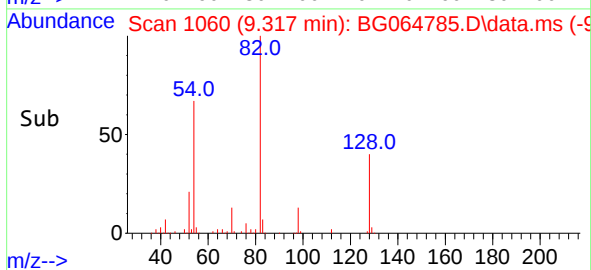
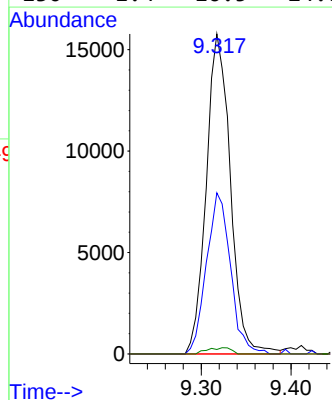
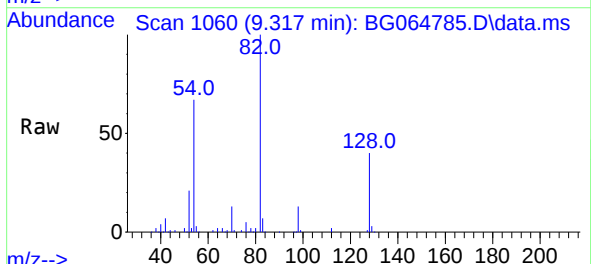
Instrument :
BNA_G
ClientSampleId :
PB170586BL

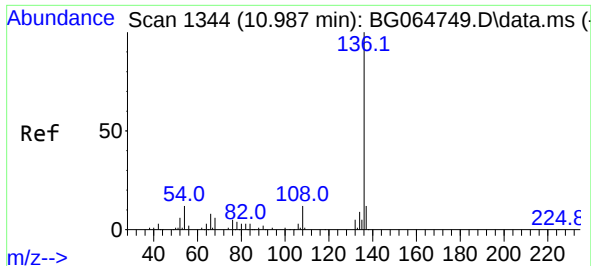
Tgt Ion: 99 Resp: 356601
Ion Ratio Lower Upper
99 100
42 20.3 16.8 25.2
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.665 ng
RT: 9.317 min Scan# 1060
Delta R.T. 0.345 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion: 70 Resp: 29406
Ion Ratio Lower Upper
70 100
42 50.4 62.6 93.8#
101 0.0 8.0 12.0#
130 1.4 16.5 24.7#



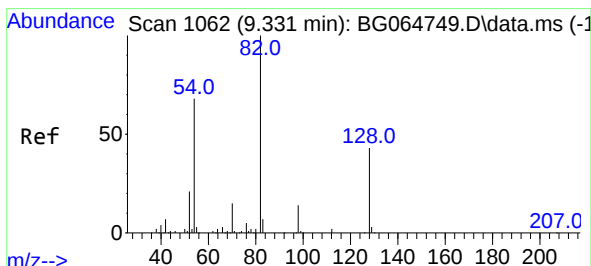
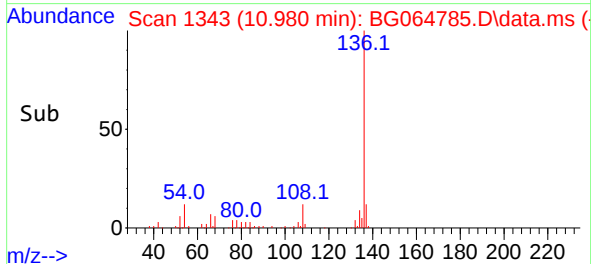
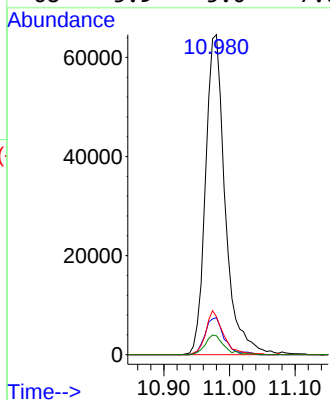
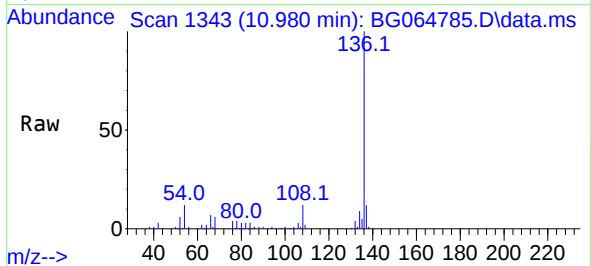


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.980 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Instrument :
BNA_G
ClientSampleId :
PB170586BL

Tgt Ion:136 Resp: 134745

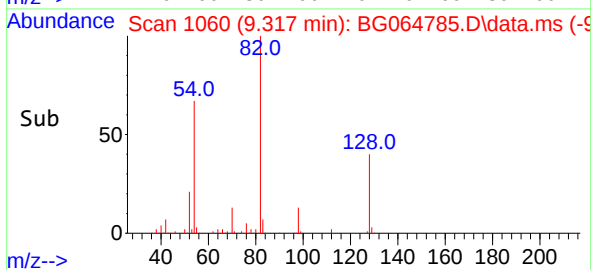
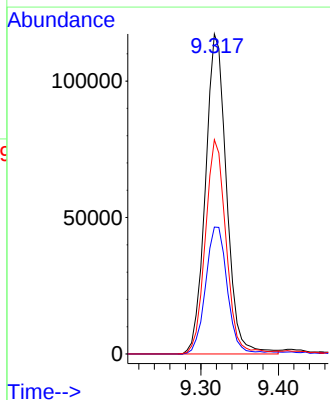
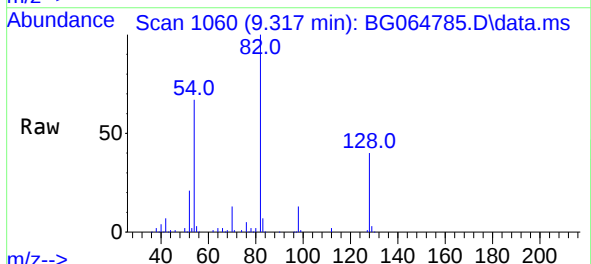
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.3	13.9
54	11.8	9.3	13.9
68	5.9	5.0	7.6

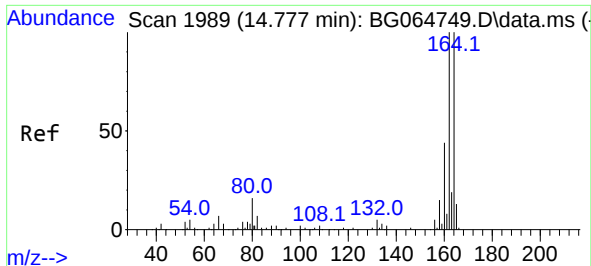


#23
Nitrobenzene-d5
Concen: 81.530 ng
RT: 9.317 min Scan# 1060
Delta R.T. -0.013 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion: 82 Resp: 222191

Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.1	51.1
54	67.0	54.3	81.5

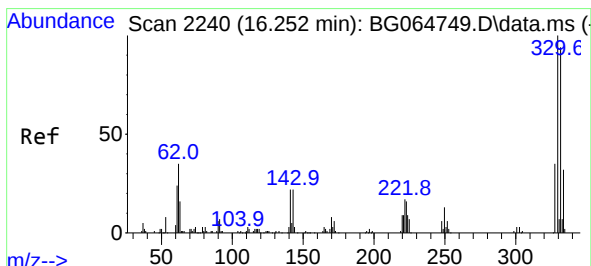
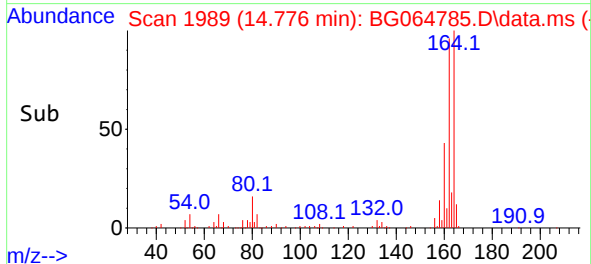
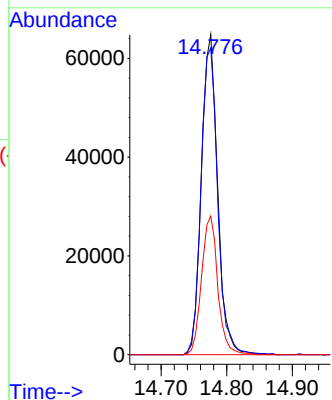
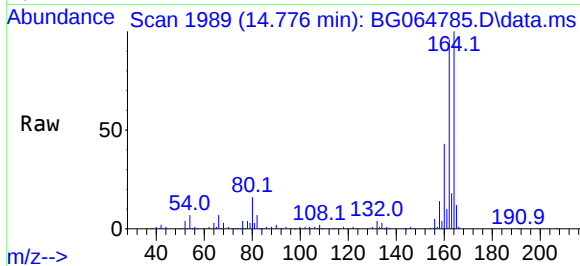




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

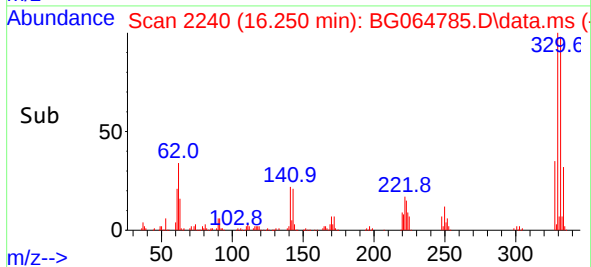
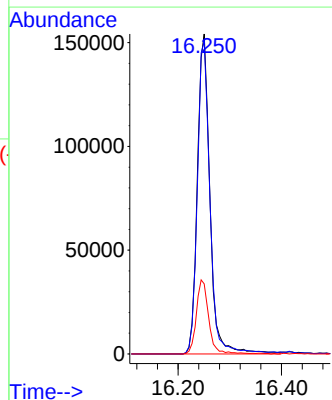
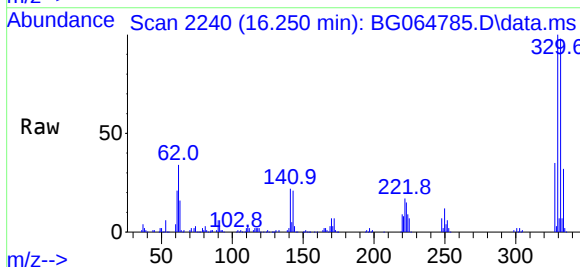
Instrument :
BNA_G
ClientSampleId :
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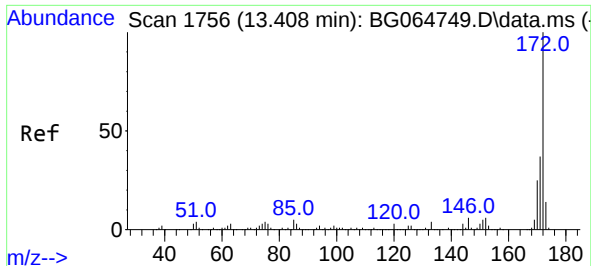
Tgt Ion:164 Resp: 111410
Ion Ratio Lower Upper
164 100
162 95.8 79.8 119.6
160 43.4 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 119.730 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:330 Resp: 260154
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 22.6 18.2 27.2

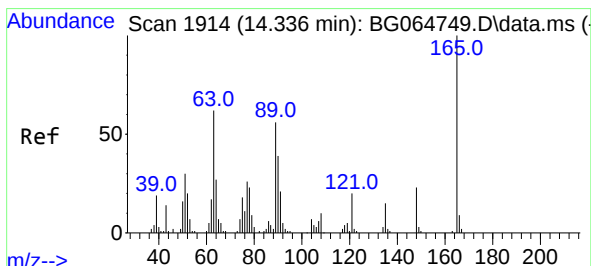
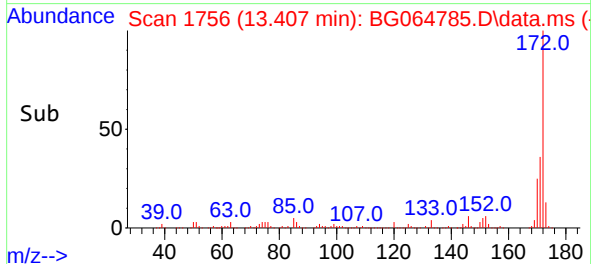
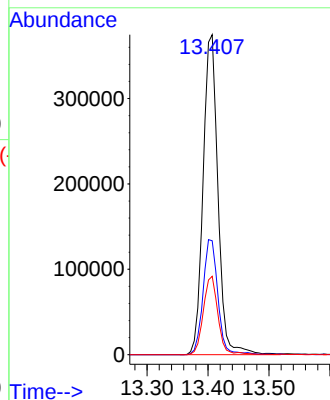
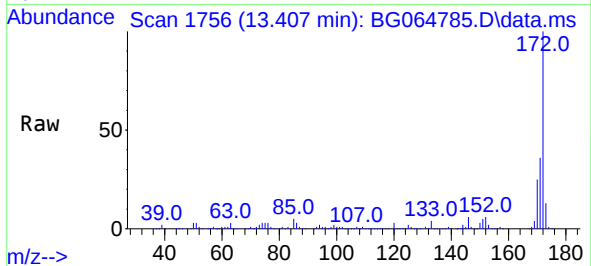




#45
2-Fluorobiphenyl
Concen: 79.799 ng
RT: 13.407 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

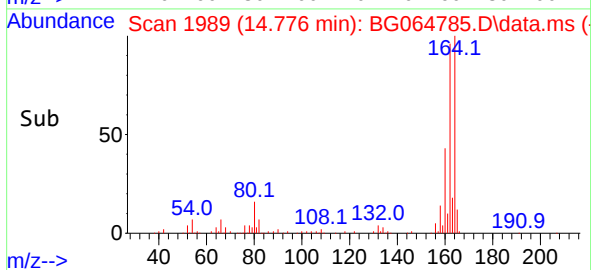
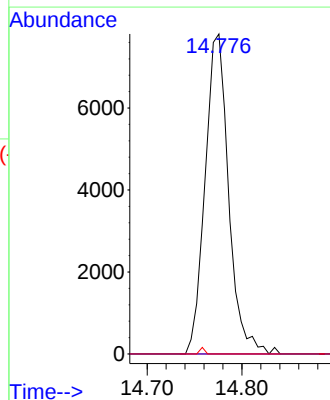
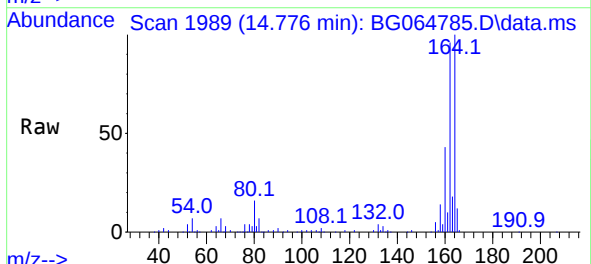
Instrument :
BNA_G
ClientSampleId :
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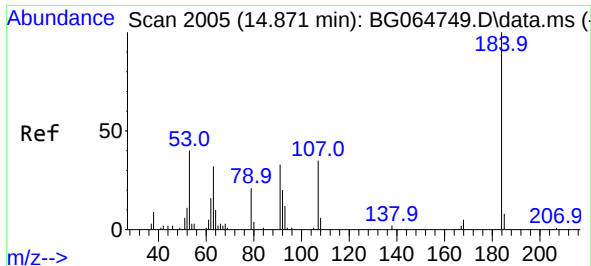
Tgt Ion:172 Resp: 637152
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 24.5 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.978 ng
RT: 14.776 min Scan# 1989
Delta R.T. 0.439 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

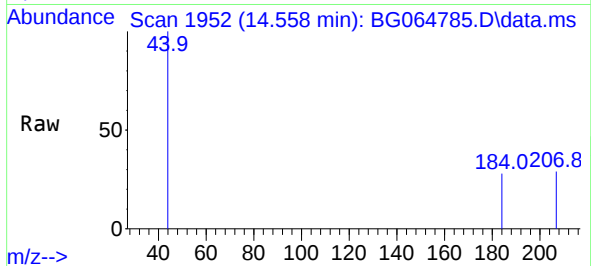
Tgt Ion:165 Resp: 13511
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#



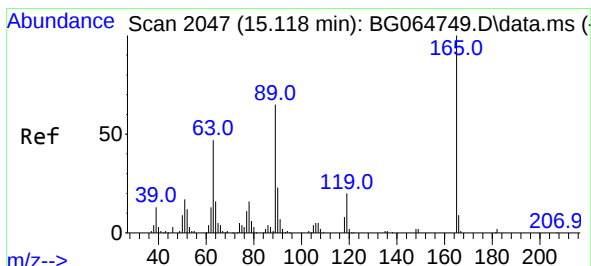
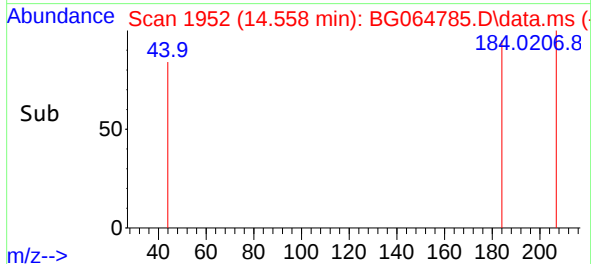
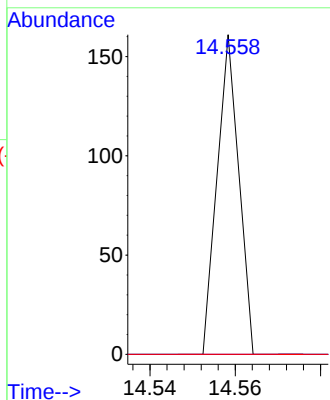


#54
2,4-Dinitrophenol
Concen: 8.628 ng
RT: 14.558 min Scan# 1952
Delta R.T. -0.313 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Instrument :
BNA_G
ClientSampleId :
PB170586BL

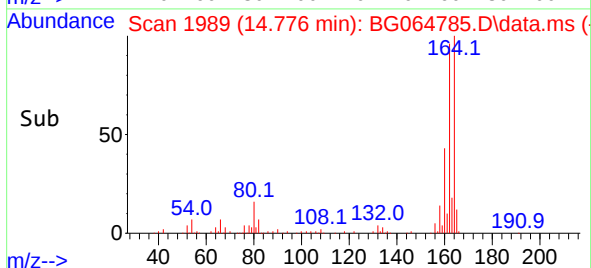
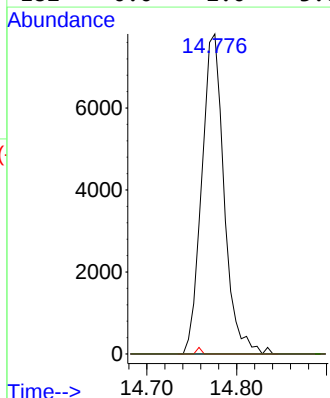
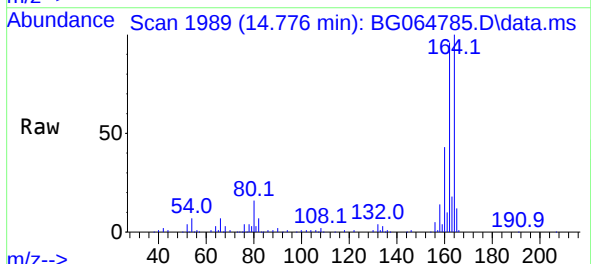


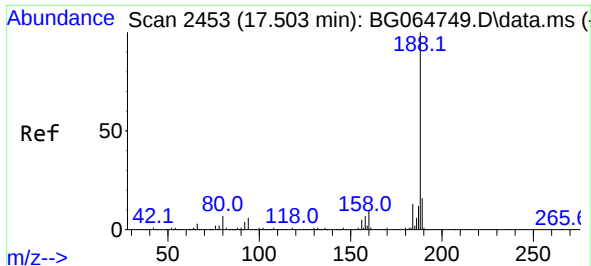
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 0.0 45.8 68.6#
154 0.0 52.6 78.8#



#57
2,4-Dinitrotoluene
Concen: 5.321 ng
RT: 14.776 min Scan# 1989
Delta R.T. -0.342 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:165 Resp: 13510
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#

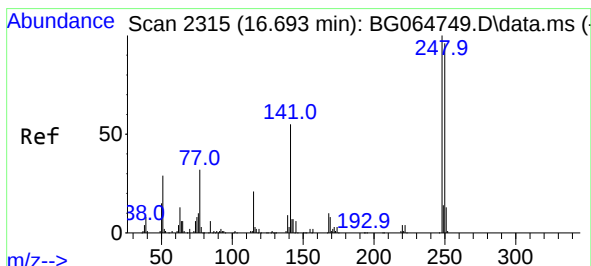
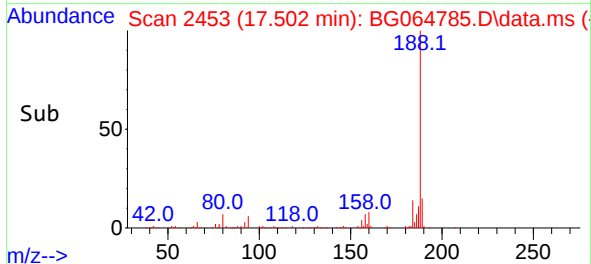
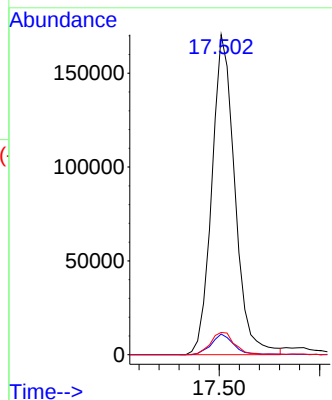
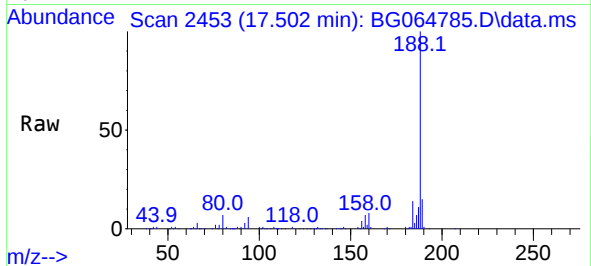




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.502 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

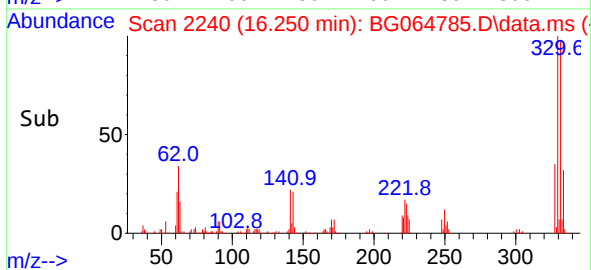
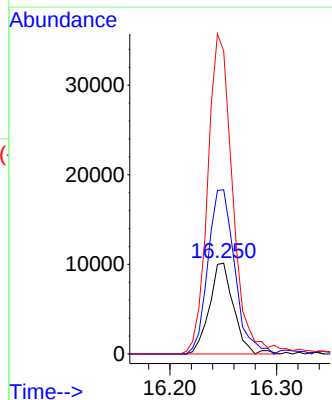
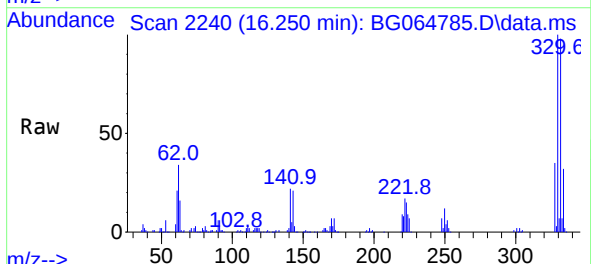
Instrument :
BNA_G
ClientSampleId :
PB170586BL

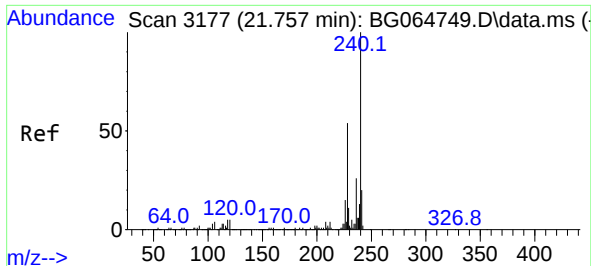
Tgt Ion:188 Resp: 272371
Ion Ratio Lower Upper
188 100
94 6.5 4.7 7.1
80 6.9 5.4 8.2



#67
4-Bromophenyl-phenylether
Concen: 4.470 ng
RT: 16.250 min Scan# 2240
Delta R.T. -0.442 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:248 Resp: 15987
Ion Ratio Lower Upper
248 100
250 139.2 77.0 115.6#
141 256.9 43.7 65.5#

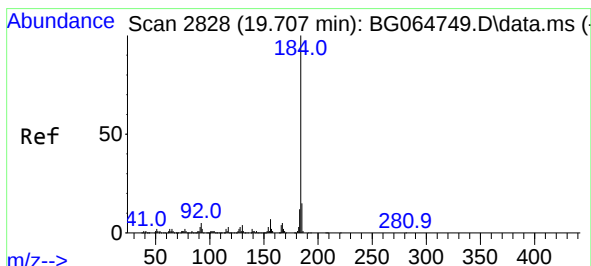
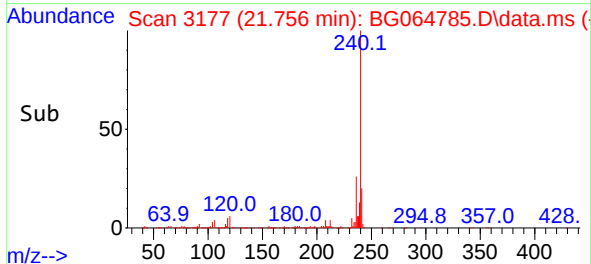
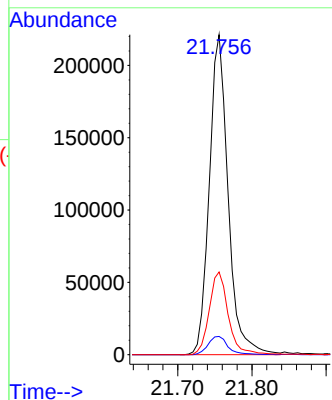
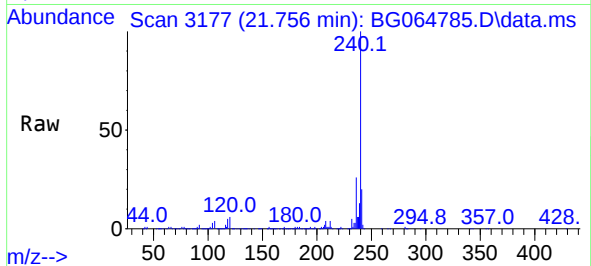




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.756 min Scan# 3177
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

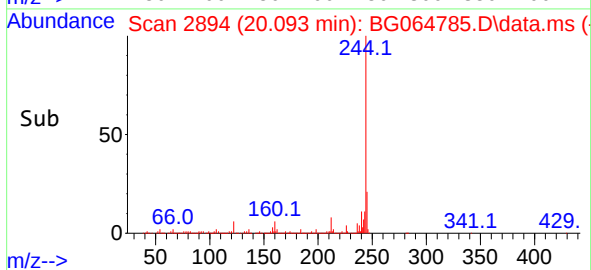
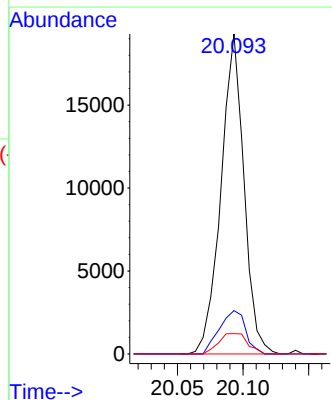
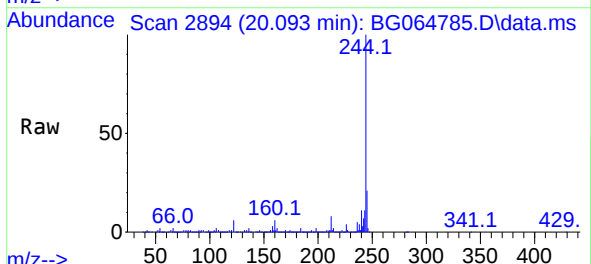
Instrument :
BNA_G
ClientSampleId :
PB170586BL

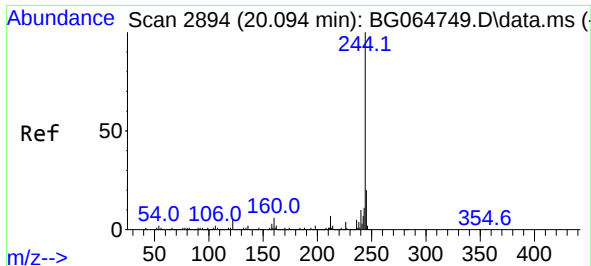
Tgt Ion:240 Resp: 388861
Ion Ratio Lower Upper
240 100
120 5.7 4.2 6.4
236 25.9 20.8 31.2



#77
Benzidine
Concen: 2.014 ng
RT: 20.093 min Scan# 2894
Delta R.T. 0.386 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:184 Resp: 23450
Ion Ratio Lower Upper
184 100
185 13.5 11.8 17.6
183 6.4 9.8 14.6#

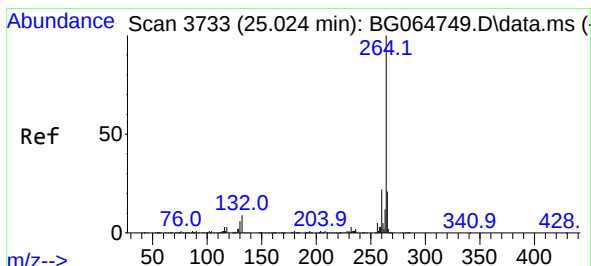
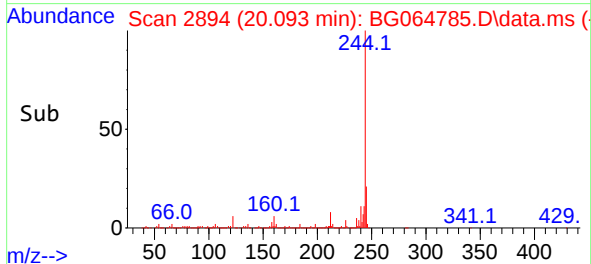
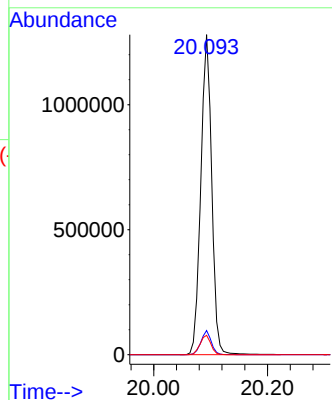
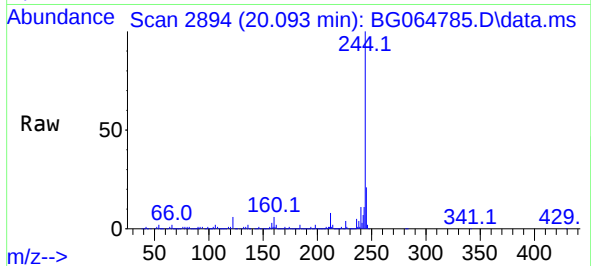




#79
Terphenyl-d14
Concen: 86.403 ng
RT: 20.093 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Instrument :
BNA_G
ClientSampleId :
PB170586BL

Tgt Ion:244 Resp: 1708035
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 6.1 4.3 6.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.017 min Scan# 3732
Delta R.T. -0.007 min
Lab File: BG064785.D
Acq: 17 Nov 2025 15:18

Tgt Ion:264 Resp: 410082
Ion Ratio Lower Upper
264 100
260 23.0 17.2 25.8
265 20.9 16.6 25.0

