

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112025\
 Data File : BG064828.D
 Acq On : 20 Nov 2025 10:40
 Operator : RC/JU
 Sample : PB170608BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170608BL

Quant Time: Nov 20 11:16:31 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)

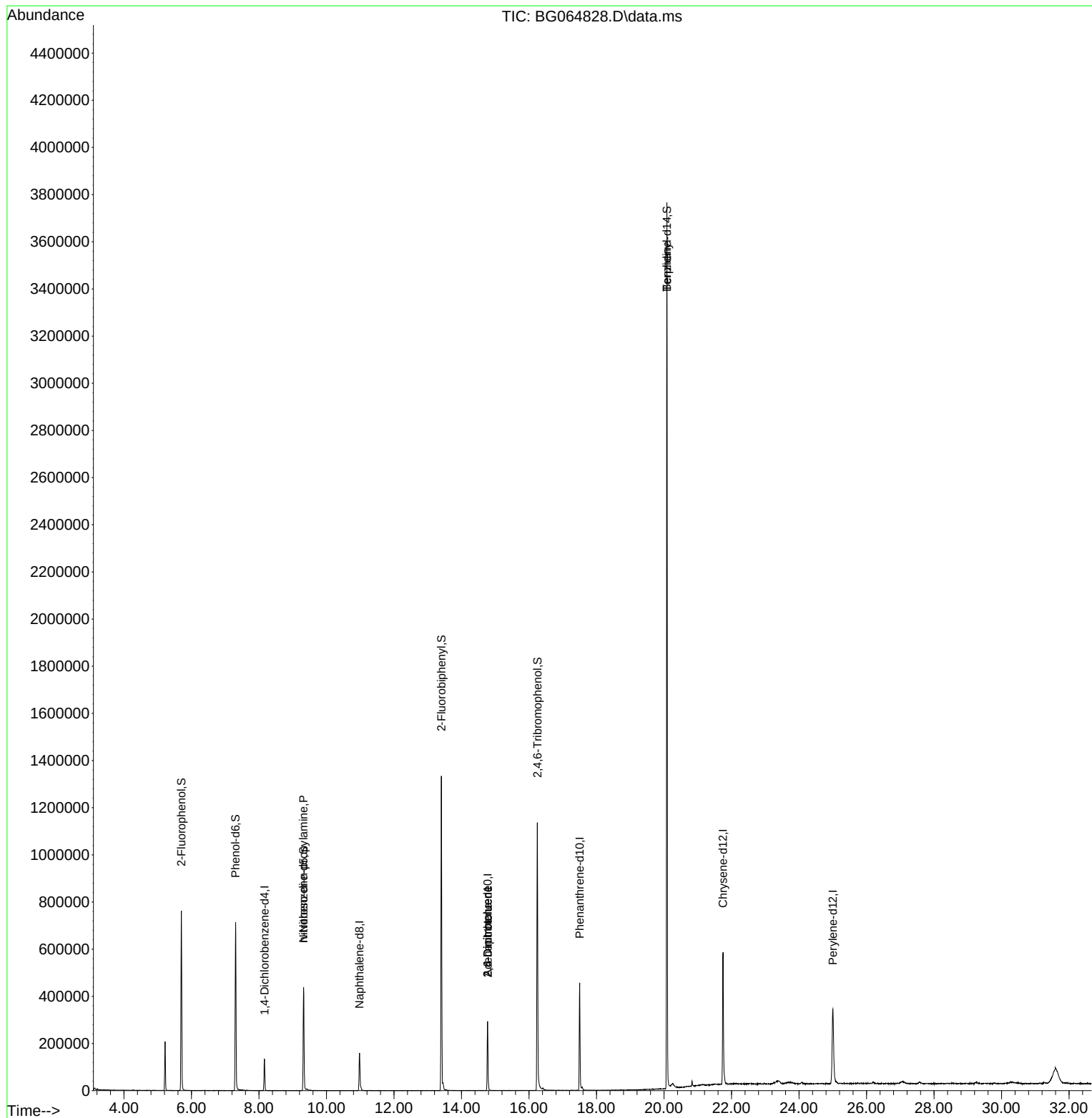
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	41296	20.000	ng	# 0.00
21) Naphthalene-d8	10.979	136	159656	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	129463	20.000	ng	0.00
64) Phenanthrene-d10	17.500	188	324006	20.000	ng	0.00
76) Chrysene-d12	21.748	240	436663	20.000	ng	0.00
86) Perylene-d12	25.003	264	425753	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	327983	138.689	ng	0.00
7) Phenol-d6	7.306	99	419589	133.398	ng	0.00
23) Nitrobenzene-d5	9.322	82	265302	82.160	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	315735	125.047	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	775735	83.608	ng	0.00
79) Terphenyl-d14	20.086	244	2028093	91.362	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.322	70	35128	16.517	ng	# 67
51) 2,6-Dinitrotoluene	14.774	165	16118	8.191	ng	# 21
57) 2,4-Dinitrotoluene	14.774	165	16118	5.463	ng	# 24
77) Benzidine	20.086	184	27312	2.088	ng	# 94

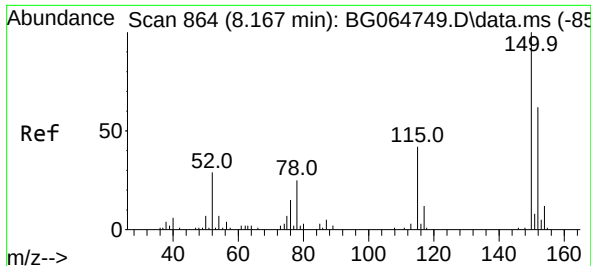
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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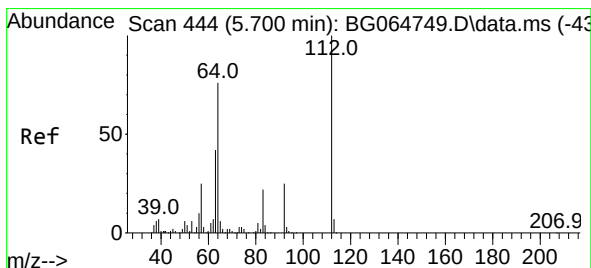
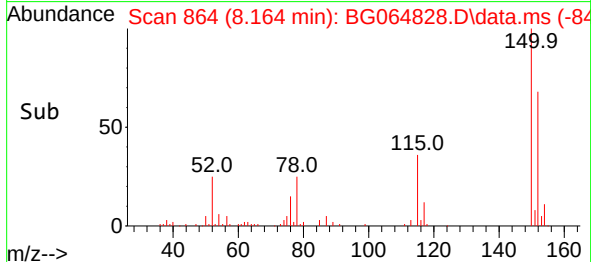
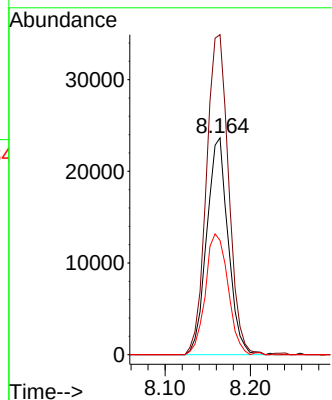
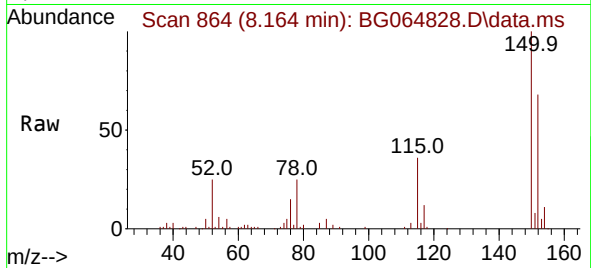




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

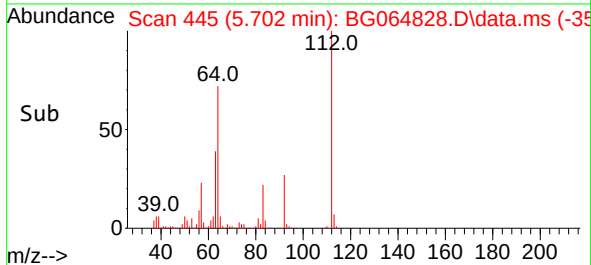
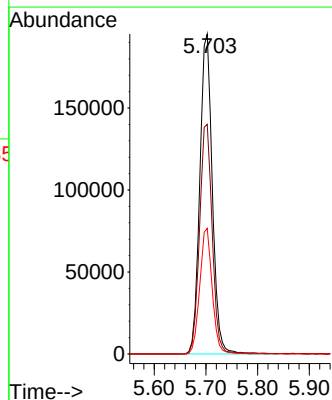
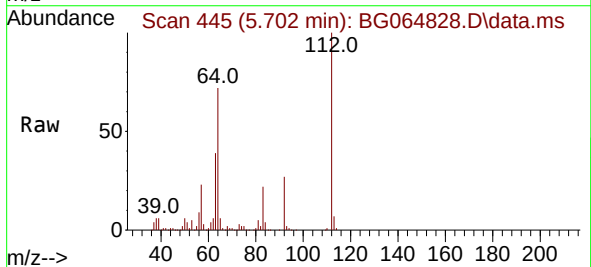
Instrument :
BNA_G
ClientSampleId :
PB170608BL

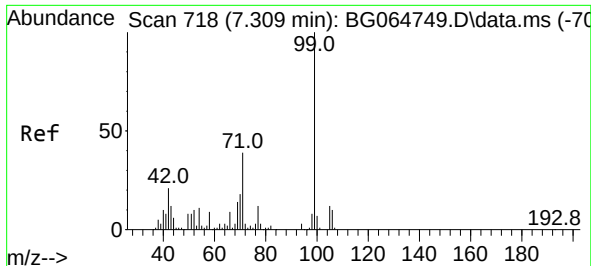
Tgt Ion:152 Resp: 41296
Ion Ratio Lower Upper
152 100
150 147.5 129.2 193.8
115 52.7 53.7 80.5#



#5
2-Fluorophenol
Concen: 138.689 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:112 Resp: 327983
Ion Ratio Lower Upper
112 100
64 71.7 61.0 91.4
63 39.3 33.3 49.9

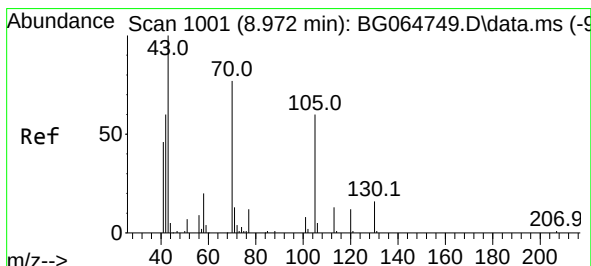
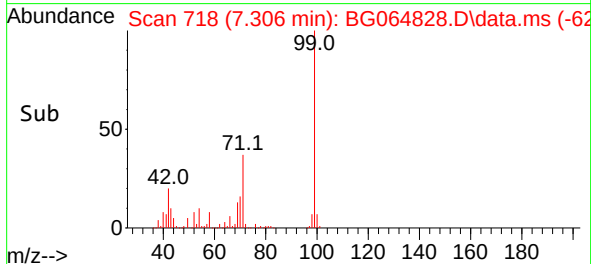
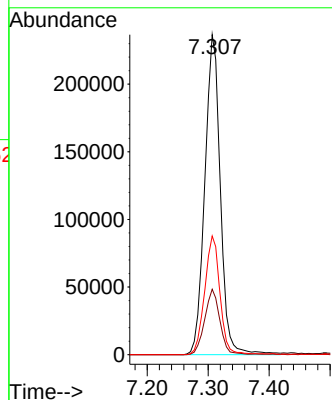
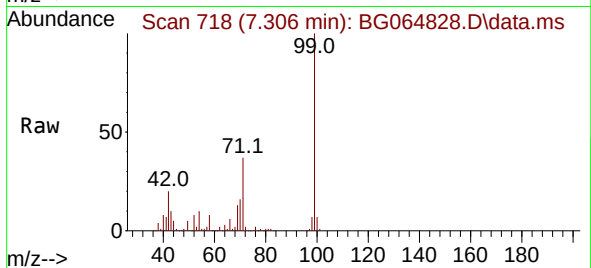




#7
Phenol-d6
Concen: 133.398 ng
RT: 7.306 min Scan# 718
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

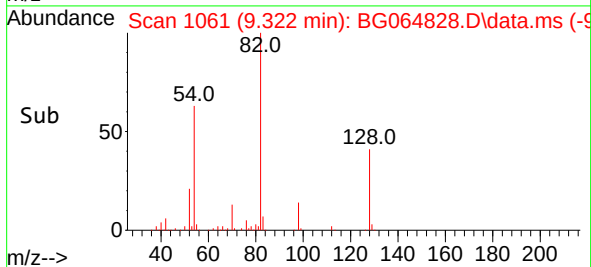
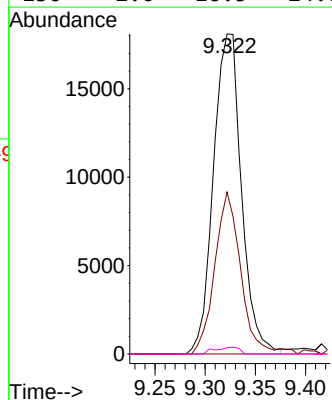
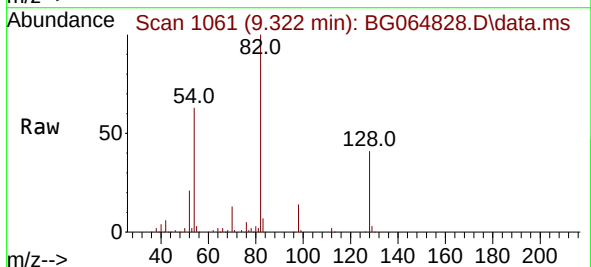
Instrument :
BNA_G
ClientSampleId :
PB170608BL

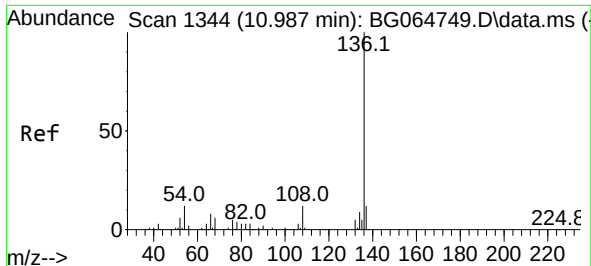
Tgt Ion: 99 Resp: 419589
Ion Ratio Lower Upper
99 100
42 20.4 16.8 25.2
71 37.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.517 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.350 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion: 70 Resp: 35128
Ion Ratio Lower Upper
70 100
42 50.5 62.6 93.8#
101 0.0 8.0 12.0#
130 2.0 16.5 24.7#

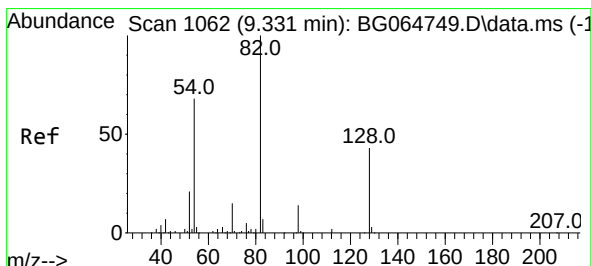
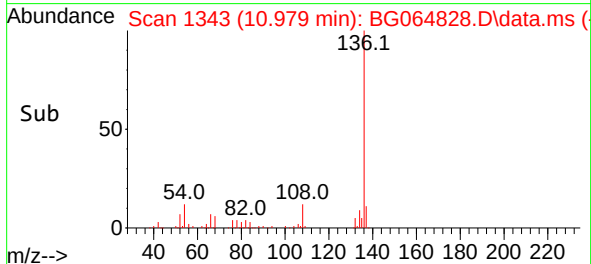
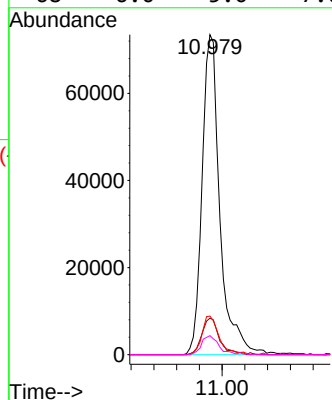
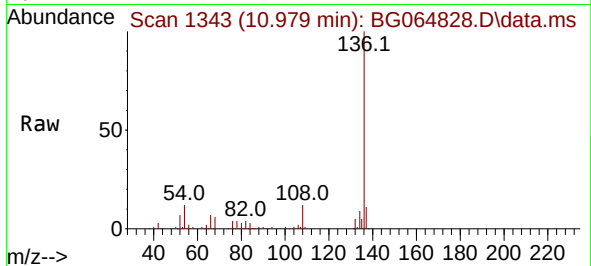




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

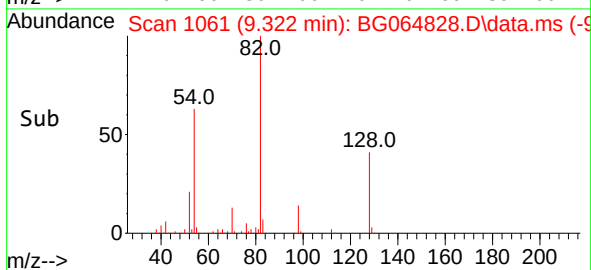
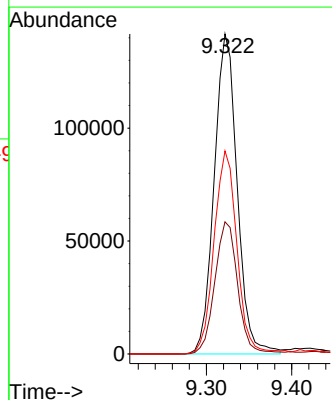
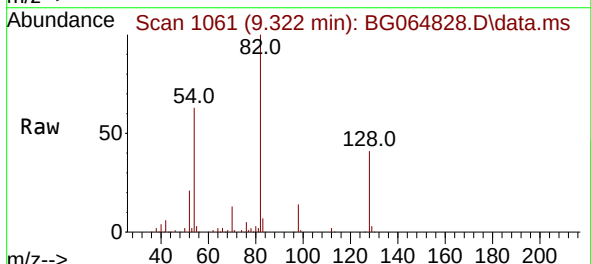
Instrument :
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ClientSampleId :
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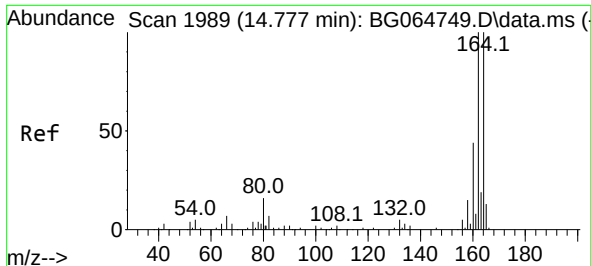
Tgt Ion:	136	Resp:	159656
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	12.0	9.3	13.9
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 82.160 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.009 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:	82	Resp:	265302
Ion Ratio	Lower	Upper	
82	100		
128	41.3	34.1	51.1
54	63.4	54.3	81.5

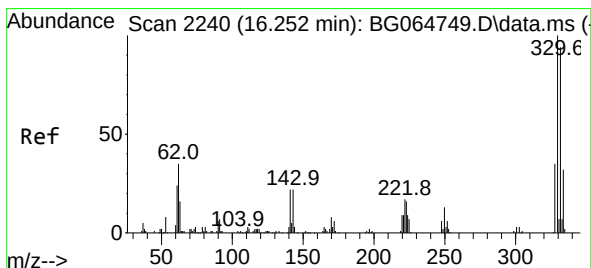
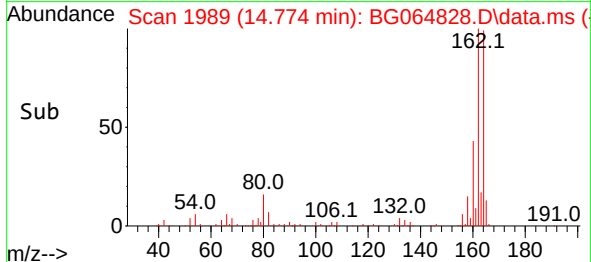
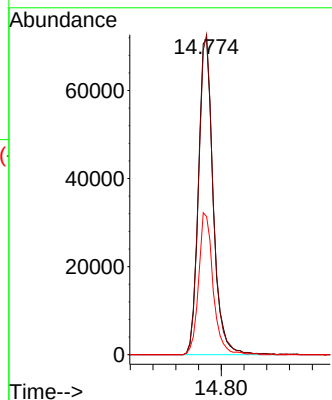
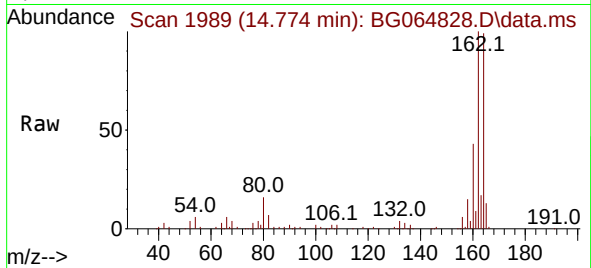




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

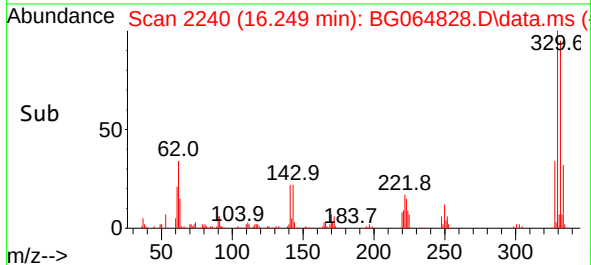
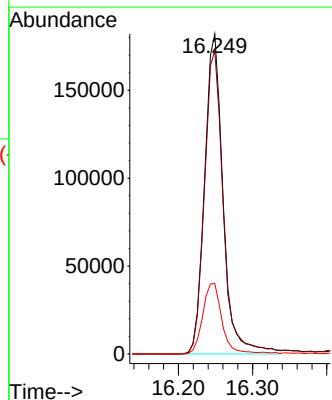
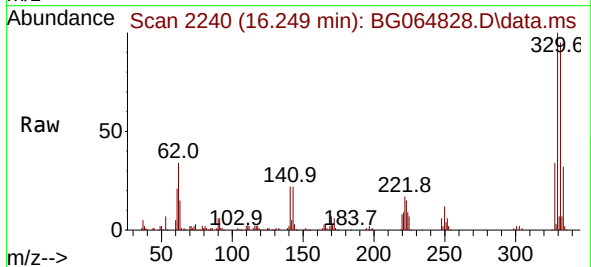
Instrument :
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ClientSampleId :
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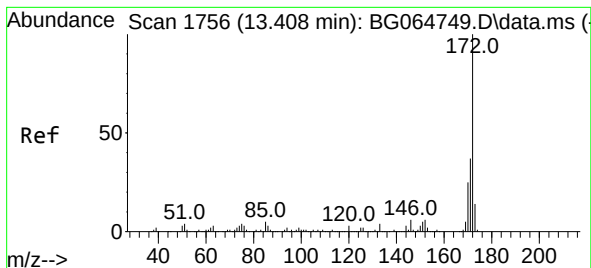
Tgt Ion:164 Resp: 129463
Ion Ratio Lower Upper
164 100
162 101.4 79.8 119.6
160 43.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 125.047 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:330 Resp: 315735
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 22.7 18.2 27.2

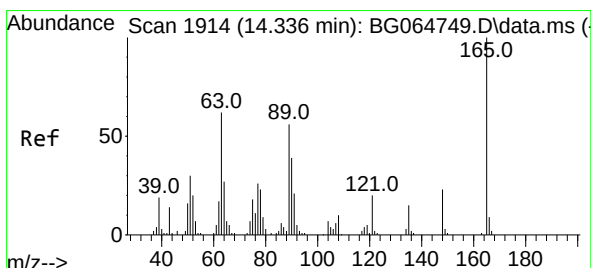
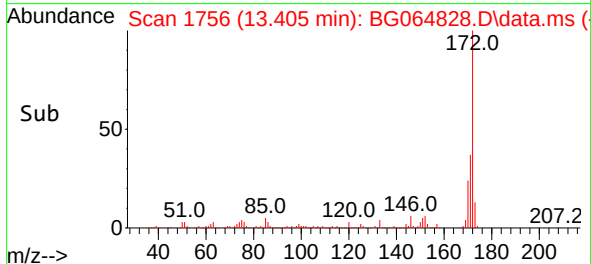
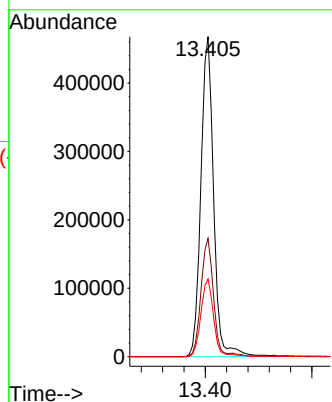
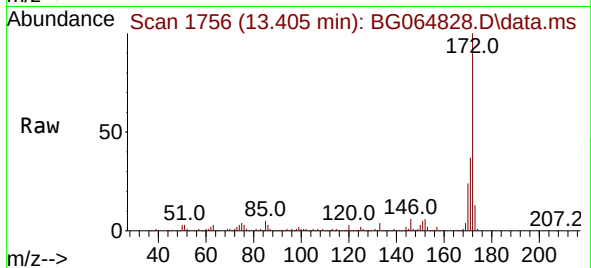




#45
2-Fluorobiphenyl
Concen: 83.608 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

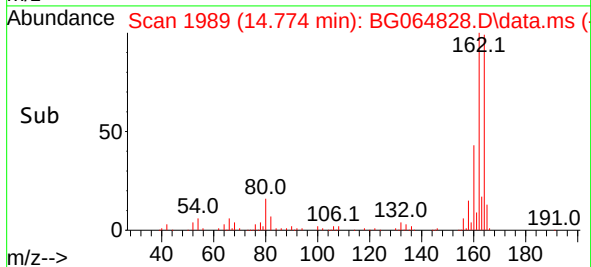
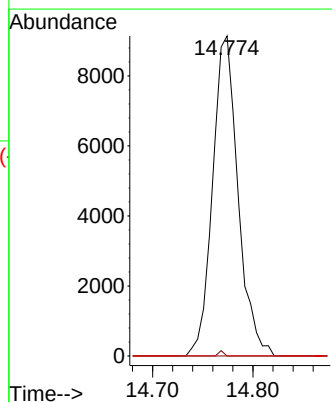
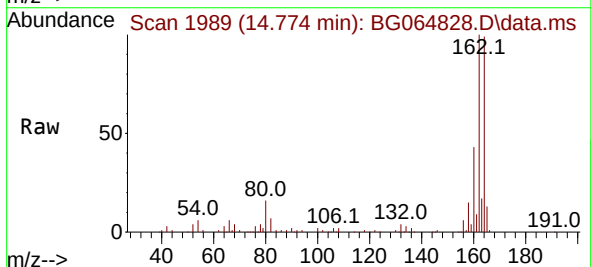
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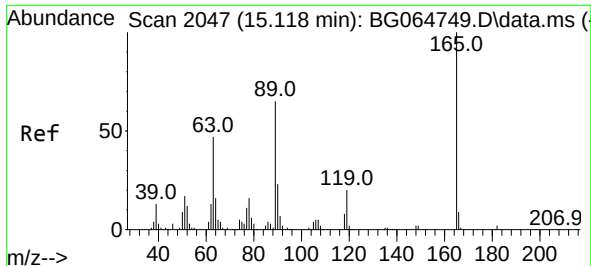
Tgt Ion:172 Resp: 775735
Ion Ratio Lower Upper
172 100
171 36.9 29.9 44.9
170 24.2 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.191 ng
RT: 14.774 min Scan# 1989
Delta R.T. 0.438 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:165 Resp: 16118
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

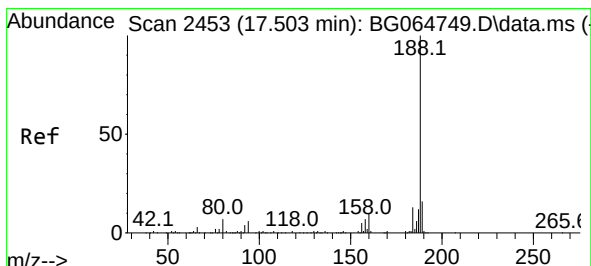
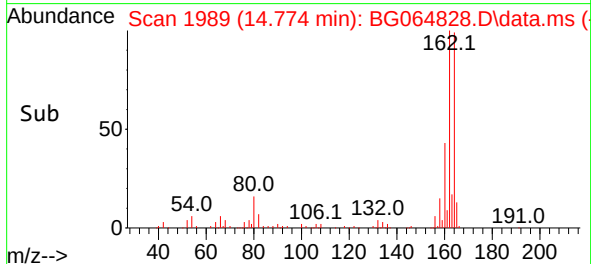
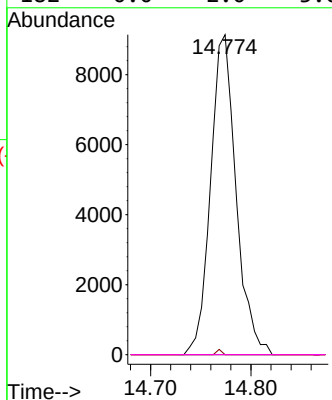
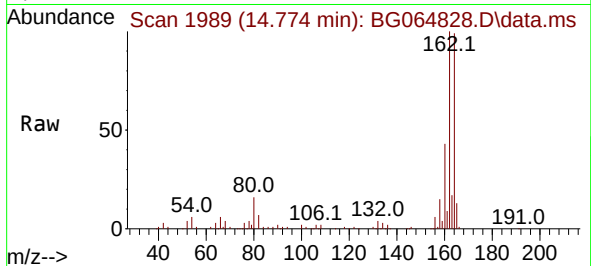




#57
2,4-Dinitrotoluene
Concen: 5.463 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.344 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

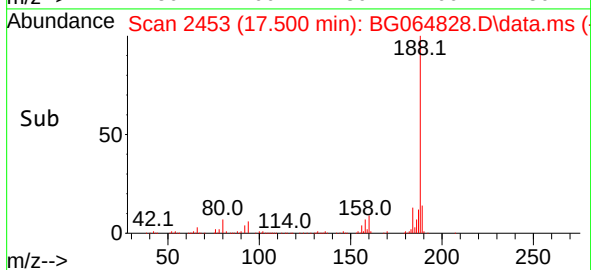
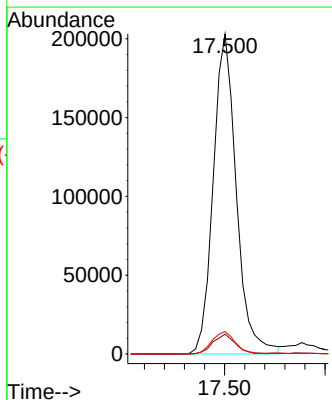
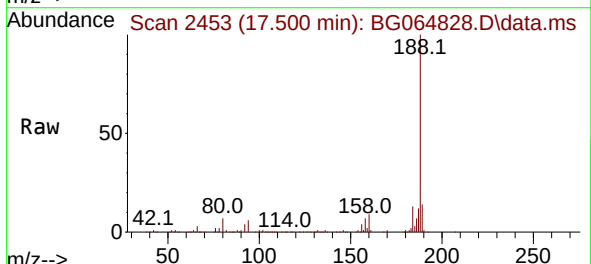
Instrument :
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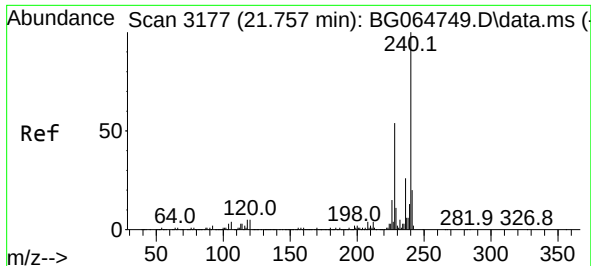
Tgt Ion:165 Resp: 16118
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.500 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:188 Resp: 324006
Ion Ratio Lower Upper
188 100
94 6.2 4.7 7.1
80 7.0 5.4 8.2

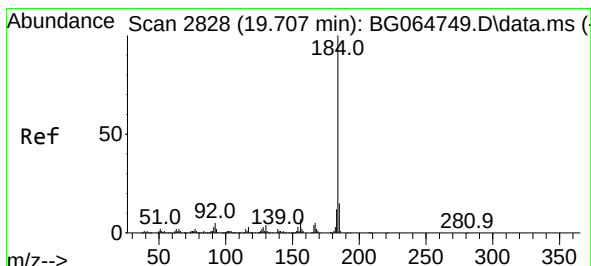
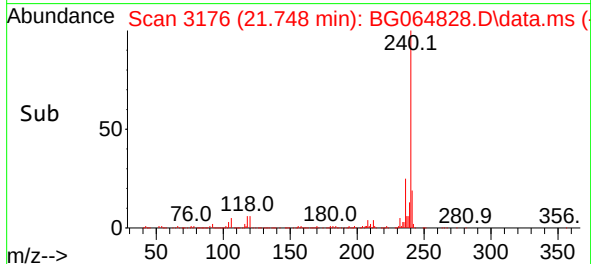
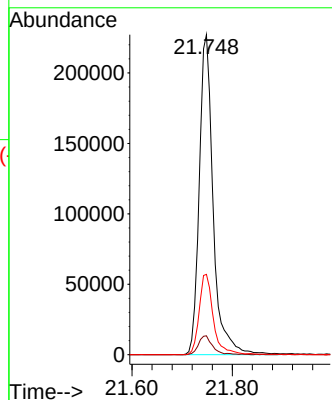
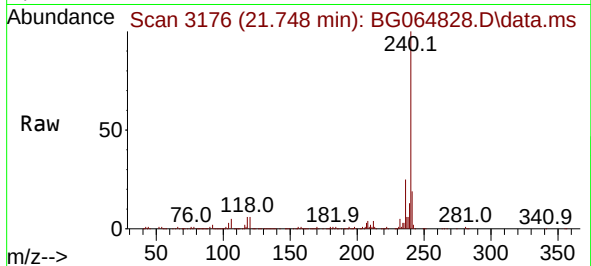




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

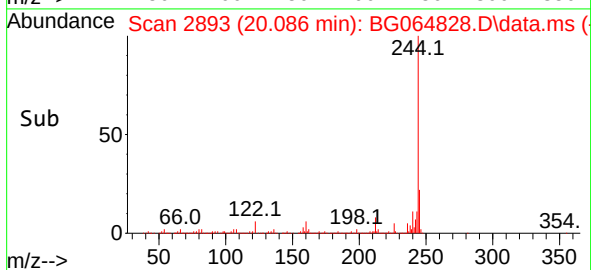
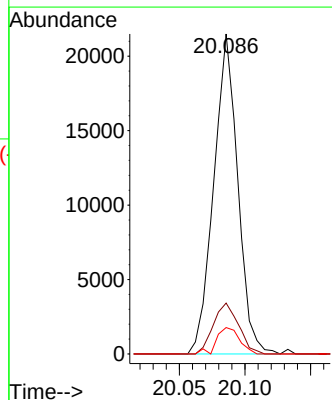
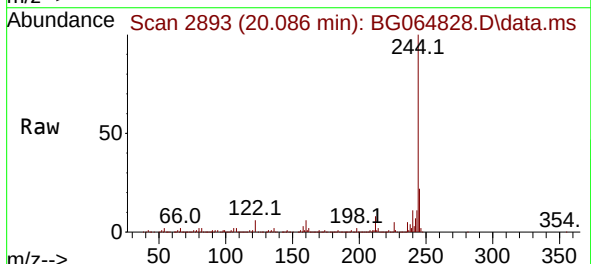
Instrument :
BNA_G
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PB170608BL

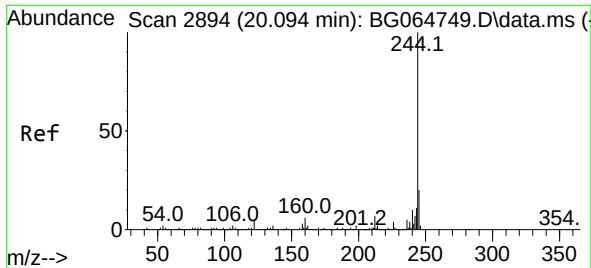
Tgt Ion:240 Resp: 436663
Ion Ratio Lower Upper
240 100
120 5.9 4.2 6.4
236 25.1 20.8 31.2



#77
Benzidine
Concen: 2.088 ng
RT: 20.086 min Scan# 2893
Delta R.T. 0.379 min
Lab File: BG064828.D
Acq: 20 Nov 2025 10:40

Tgt Ion:184 Resp: 27312
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.6
183 8.2 9.8 14.6#

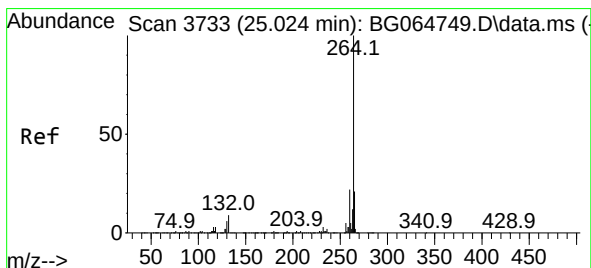
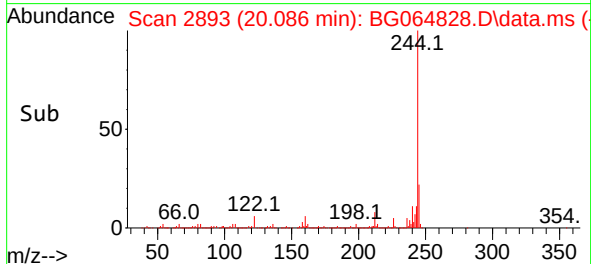
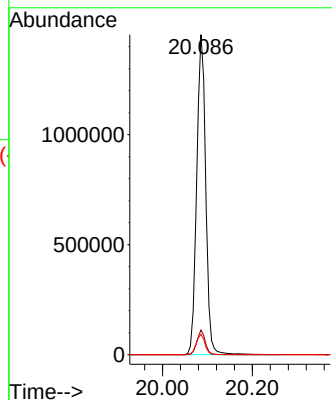
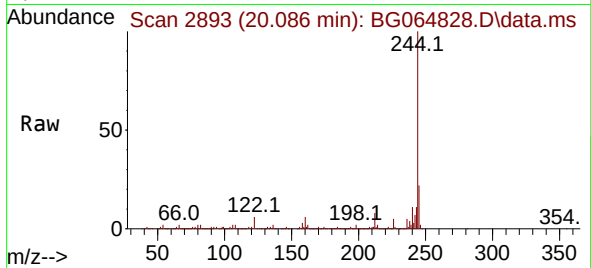




#79
 Terphenyl-d14
 Concen: 91.362 ng
 RT: 20.086 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG064828.D
 Acq: 20 Nov 2025 10:40

Instrument :
 BNA_G
 ClientSampleId :
 PB170608BL

Tgt Ion:244 Resp: 2028093
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.6
 122 6.4 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 3730
 Delta R.T. -0.021 min
 Lab File: BG064828.D
 Acq: 20 Nov 2025 10:40

Tgt Ion:264 Resp: 425753
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.2 25.8
 265 21.2 16.6 25.0

