

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110725\
 Data File : BG064721.D
 Acq On : 7 Nov 2025 18:15
 Operator : RC/JU
 Sample : Q3551-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

Quant Time: Nov 08 00:58:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

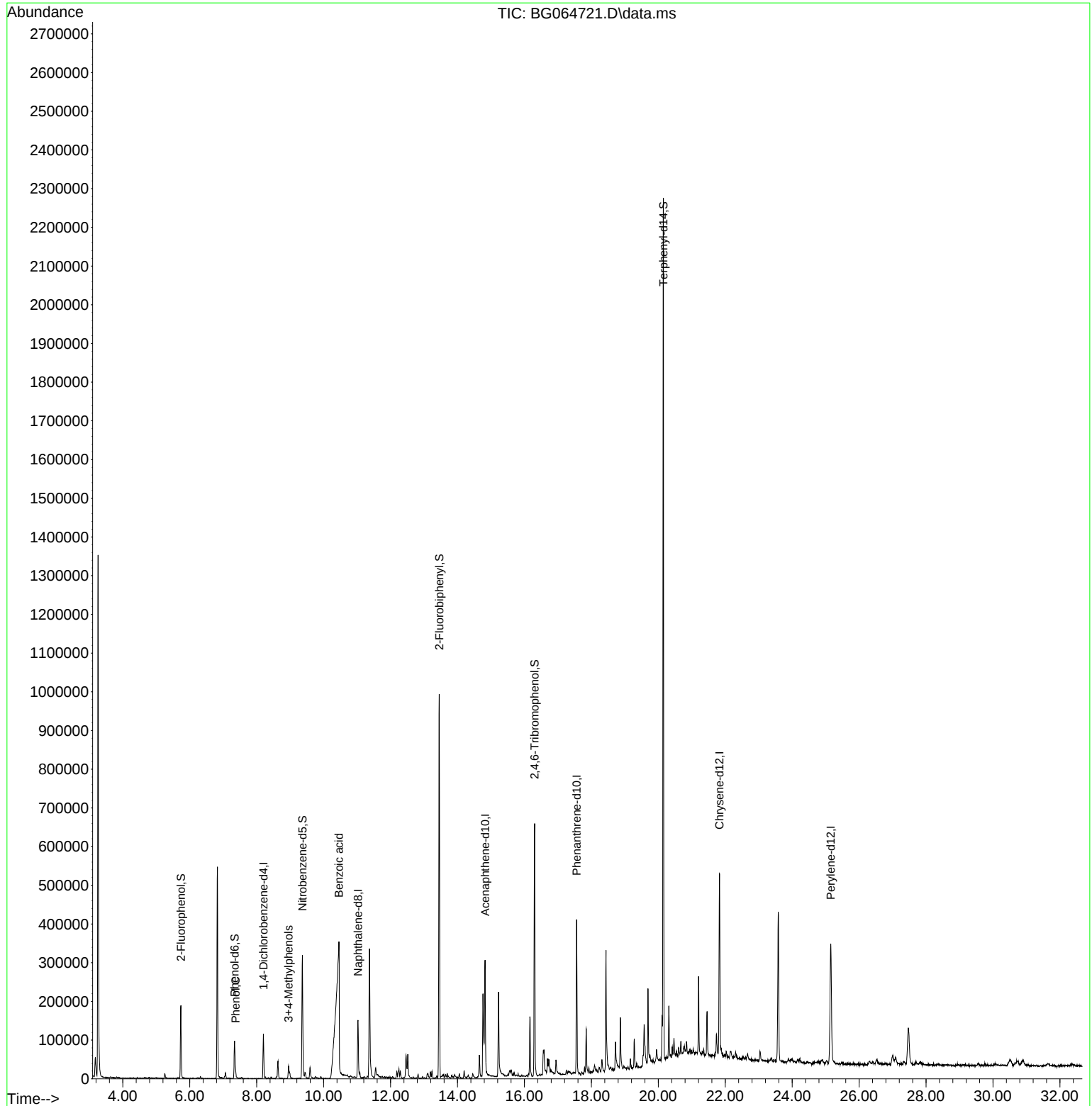
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.200	152	32143	20.000	ng	-0.02
21) Naphthalene-d8	11.027	136	129572	20.000	ng	-0.02
39) Acenaphthene-d10	14.822	164	106337	20.000	ng	-0.02
64) Phenanthrene-d10	17.560	188	265224	20.000	ng	#-0.02
76) Chrysene-d12	21.826	240	334889	20.000	ng	#-0.03
86) Perylene-d12	25.151	264	384191	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.733	112	77114	40.269	ng	-0.02
7) Phenol-d6	7.337	99	55048	20.949	ng	-0.02
23) Nitrobenzene-d5	9.364	82	186672	86.531	ng	-0.02
42) 2,4,6-Tribromophenol	16.303	330	158625	103.355	ng	-0.02
45) 2-Fluorobiphenyl	13.453	172	529460	75.470	ng	-0.02
79) Terphenyl-d14	20.151	244	1219626	68.728	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.366	94	10509	3.616	ng	94
20) 3+4-Methylphenols	8.952	107	16009	5.900	ng	92
32) Benzoic acid	10.457	122	441153	229.764	ng	92

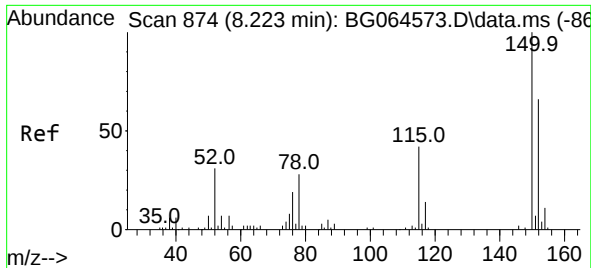
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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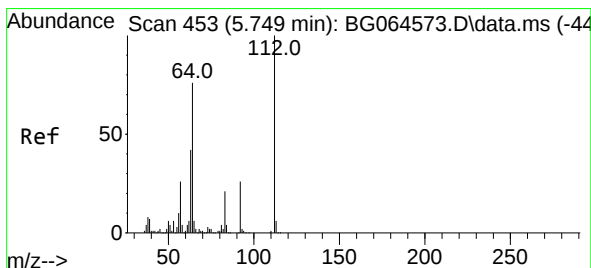
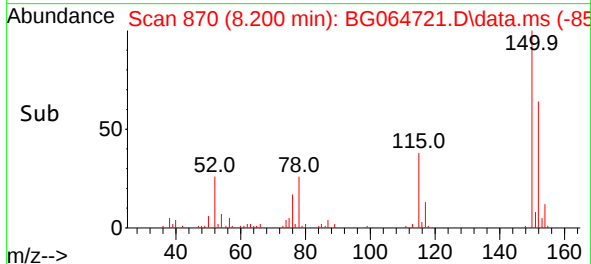
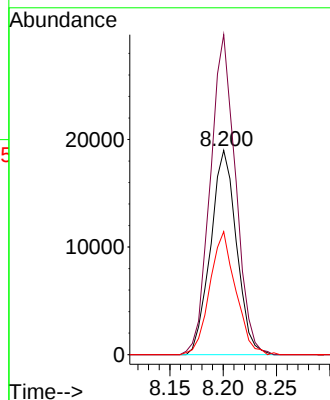
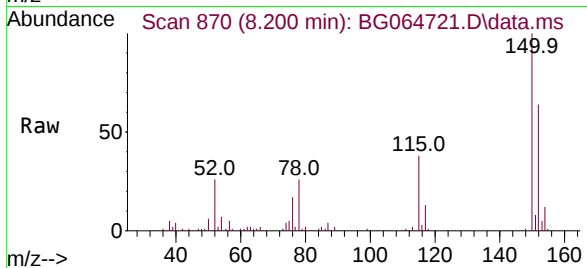




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.200 min Scan# 81
Delta R.T. -0.023 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

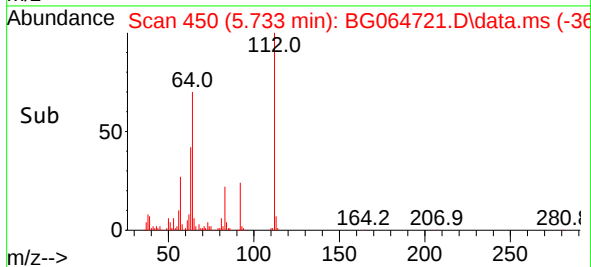
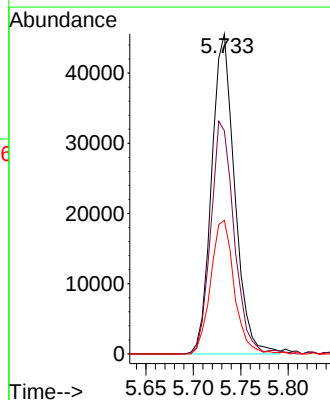
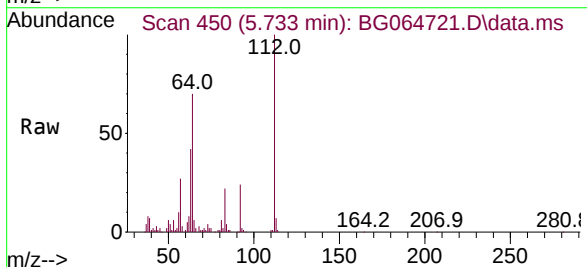
Instrument :
BNA_G
ClientSampleId :
MANHOLE

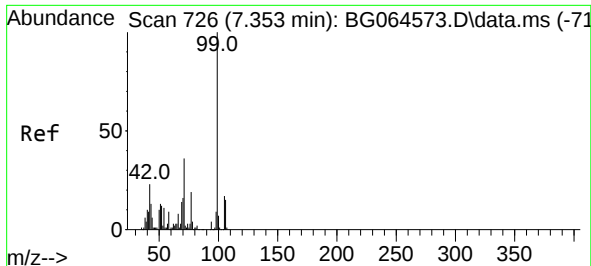
Tgt Ion:152 Resp: 32143
Ion Ratio Lower Upper
152 100
150 156.7 122.2 183.4
115 60.2 50.8 76.2



#5
2-Fluorophenol
Concen: 40.269 ng
RT: 5.733 min Scan# 450
Delta R.T. -0.017 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

Tgt Ion:112 Resp: 77114
Ion Ratio Lower Upper
112 100
64 69.7 60.7 91.1
63 41.7 33.4 50.0





#7
Phenol-d6
Concen: 20.949 ng
RT: 7.337 min Scan# 71
Delta R.T. -0.017 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

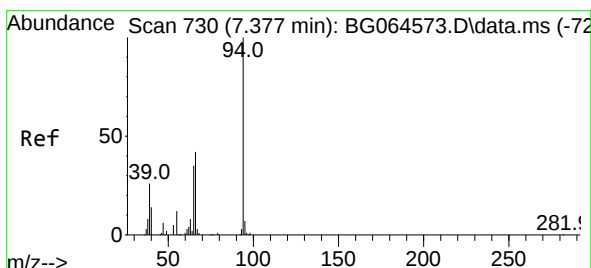
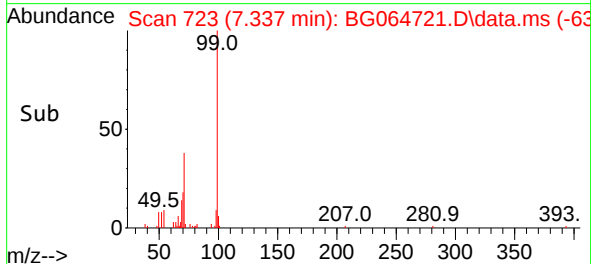
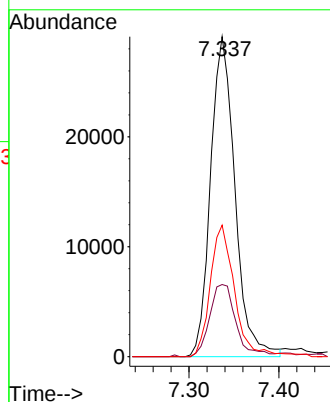
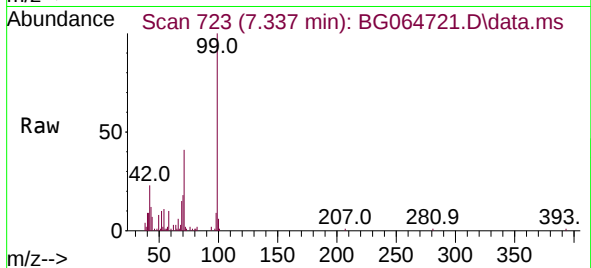
Instrument :

BNA_G

ClientSampleId :

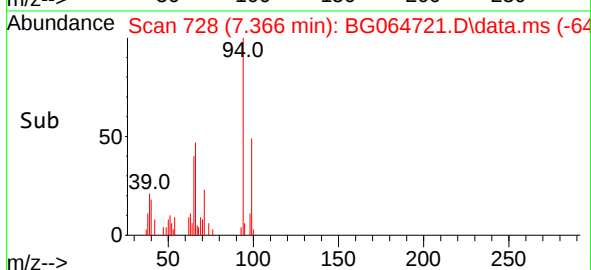
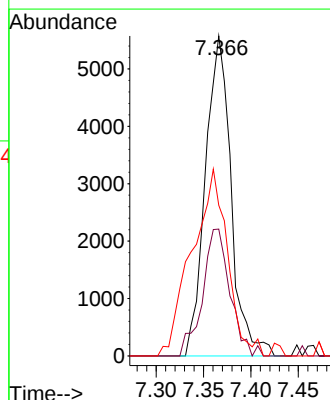
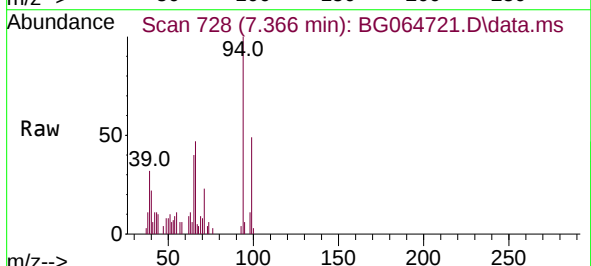
MANHOLE

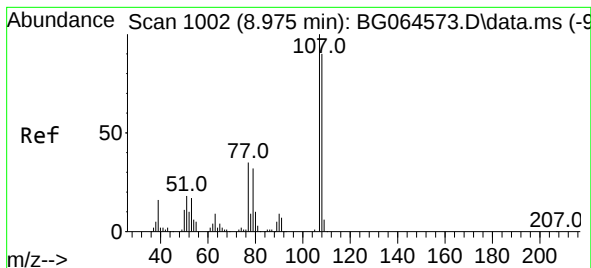
Tgt Ion: 99 Resp: 55048
Ion Ratio Lower Upper
99 100
42 22.5 18.3 27.5
71 41.1 28.6 43.0



#10
Phenol
Concen: 3.616 ng
RT: 7.366 min Scan# 728
Delta R.T. -0.011 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

Tgt Ion: 94 Resp: 10509
Ion Ratio Lower Upper
94 100
65 39.6 15.8 55.8
66 47.1 24.0 64.0





#20

3+4-Methylphenols

Concen: 5.900 ng

RT: 8.952 min Scan# 99

Delta R.T. -0.022 min

Lab File: BG064721.D

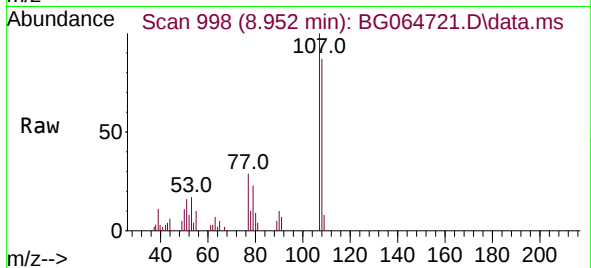
Acq: 7 Nov 2025 18:15

Instrument :

BNA_G

ClientSampleId :

MANHOLE



Tgt Ion:107 Resp: 16009

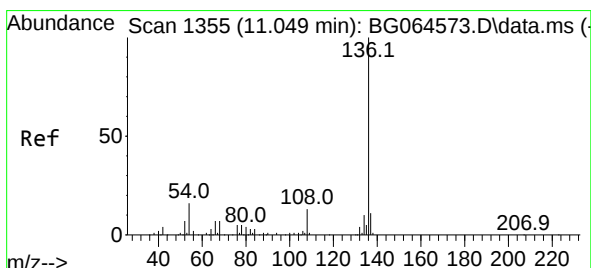
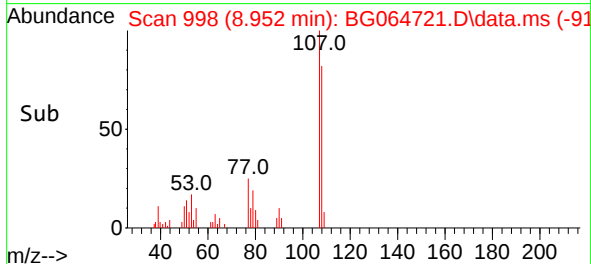
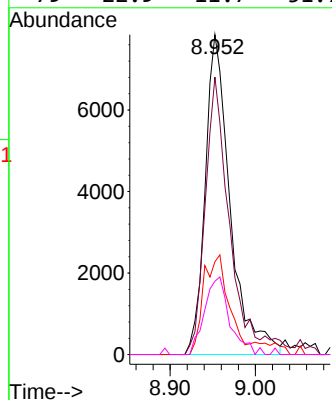
Ion Ratio Lower Upper

107 100

108 86.7 70.3 110.3

77 29.0 14.6 54.6

79 22.9 11.7 51.7



#21

Napthalene-d8

Concen: 20.000 ng

RT: 11.027 min Scan# 1351

Delta R.T. -0.022 min

Lab File: BG064721.D

Acq: 7 Nov 2025 18:15

Tgt Ion:136 Resp: 129572

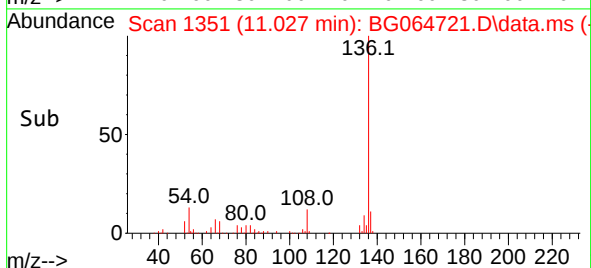
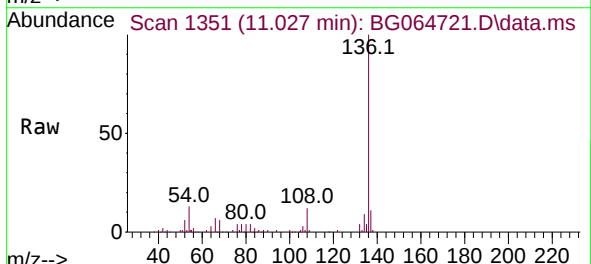
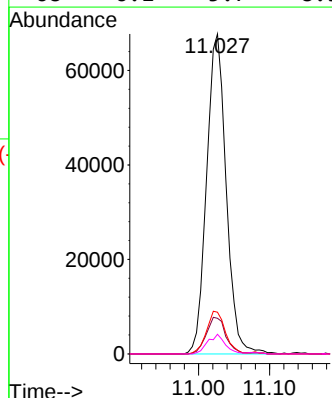
Ion Ratio Lower Upper

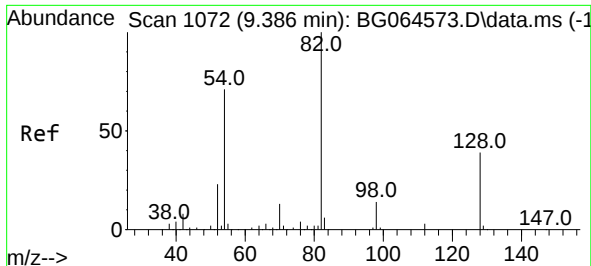
136 100

137 11.1 9.2 13.8

54 13.6 12.6 19.0

68 6.1 5.7 8.5





#23

Nitrobenzene-d5

Concen: 86.531 ng

RT: 9.364 min Scan# 10

Delta R.T. -0.022 min

Lab File: BG064721.D

Acq: 7 Nov 2025 18:15

Instrument :

BNA_G

ClientSampleId :

MANHOLE

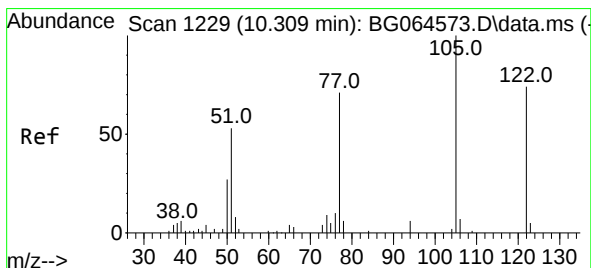
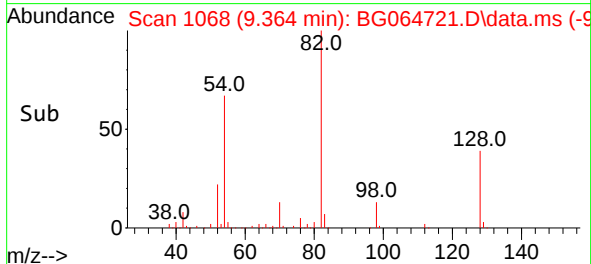
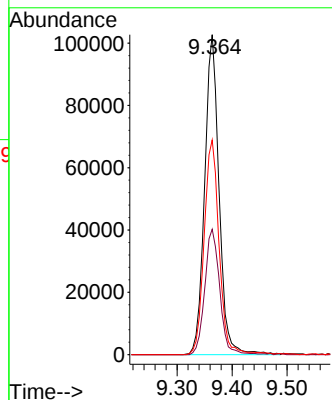
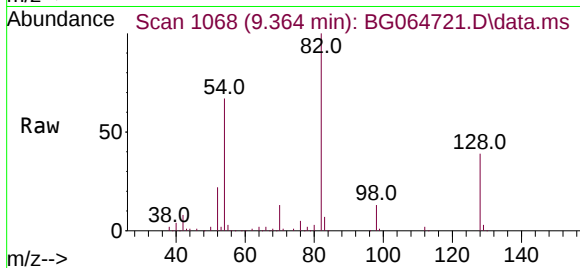
Tgt Ion: 82 Resp: 186672

Ion Ratio Lower Upper

82 100

128 39.2 31.3 46.9

54 67.1 56.6 84.8



#32

Benzoic acid

Concen: 229.764 ng

RT: 10.457 min Scan# 1254

Delta R.T. 0.148 min

Lab File: BG064721.D

Acq: 7 Nov 2025 18:15

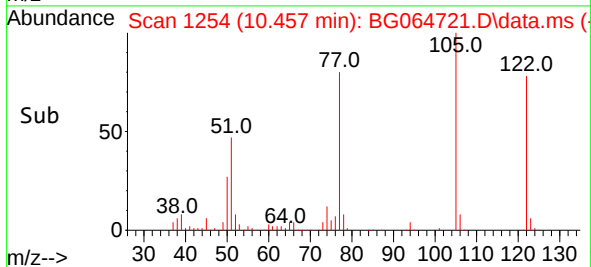
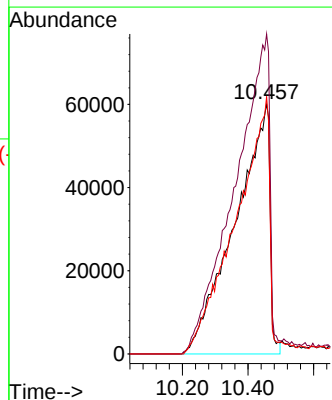
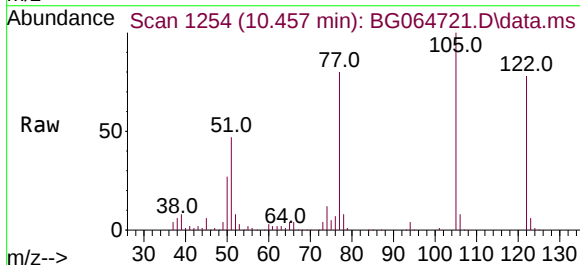
Tgt Ion:122 Resp: 441153

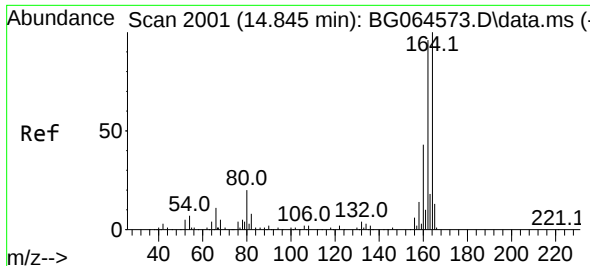
Ion Ratio Lower Upper

122 100

105 128.2 104.2 144.2

77 103.1 70.2 110.2

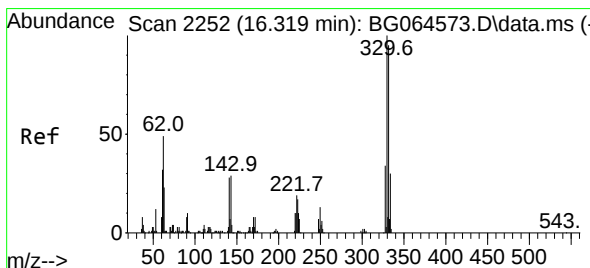
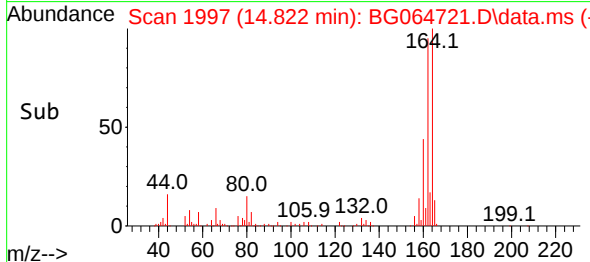
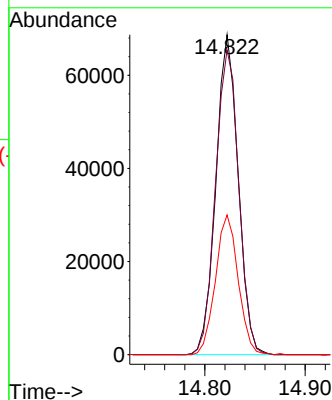
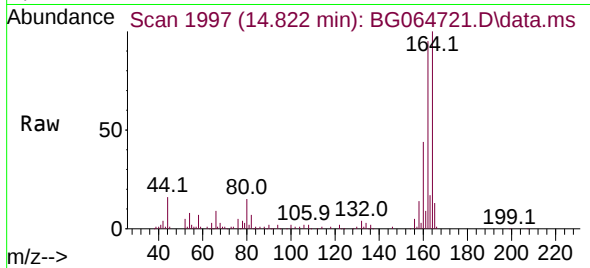




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.822 min Scan# 19
Delta R.T. -0.022 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

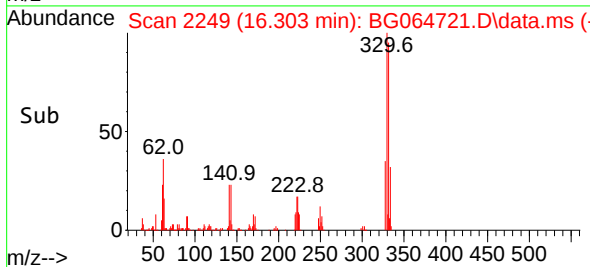
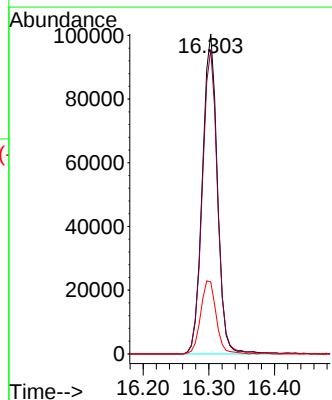
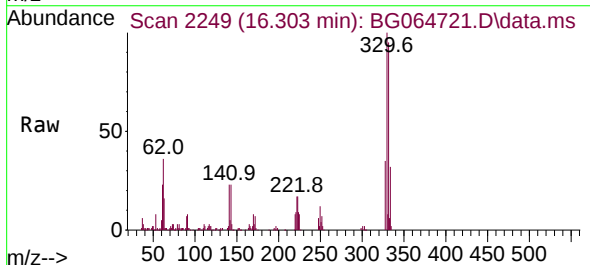
Instrument :
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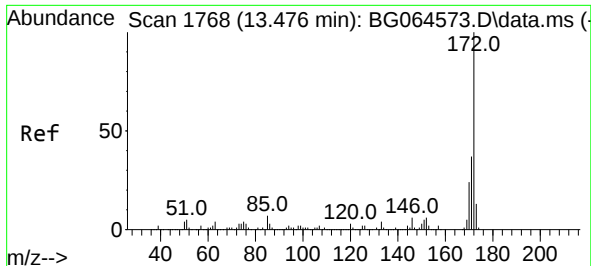
Tgt Ion:164 Resp: 106337
Ion Ratio Lower Upper
164 100
162 95.2 77.0 115.6
160 43.7 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 103.355 ng
RT: 16.303 min Scan# 2249
Delta R.T. -0.017 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

Tgt Ion:330 Resp: 158625
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 23.5 21.8 32.6

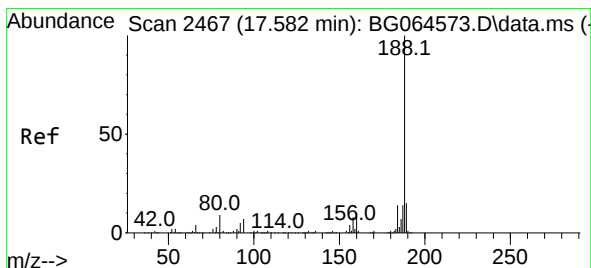
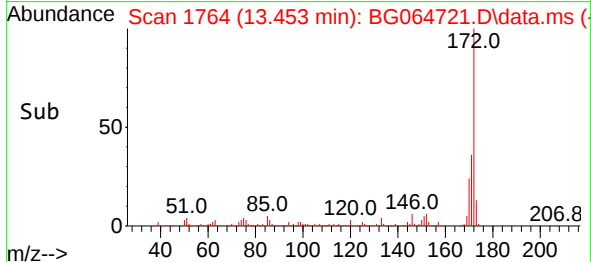
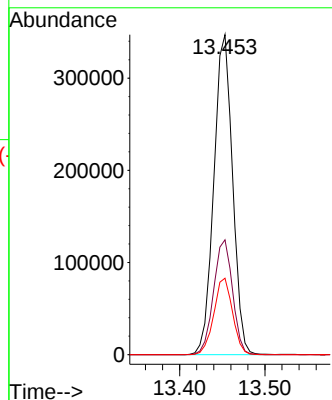
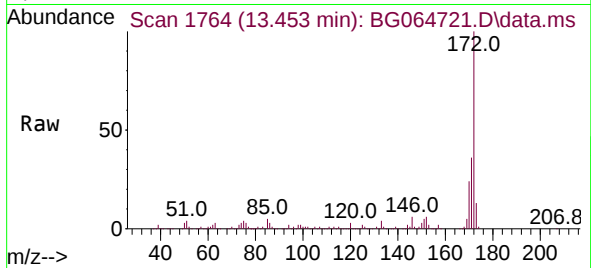




#45
2-Fluorobiphenyl
Concen: 75.470 ng
RT: 13.453 min Scan# 1764
Delta R.T. -0.022 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

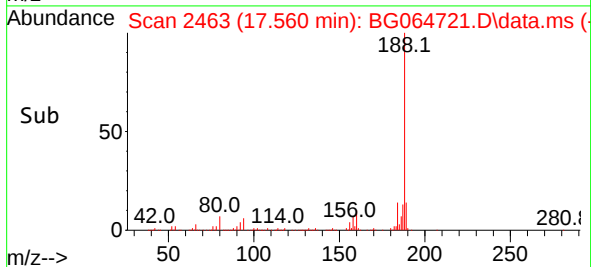
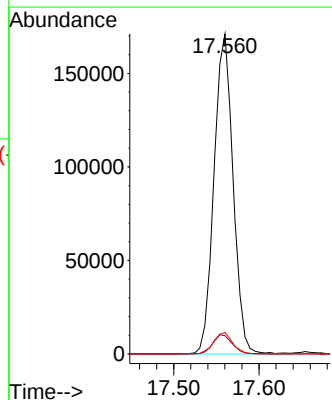
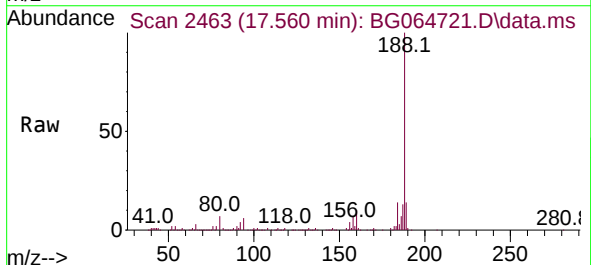
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BNA_G
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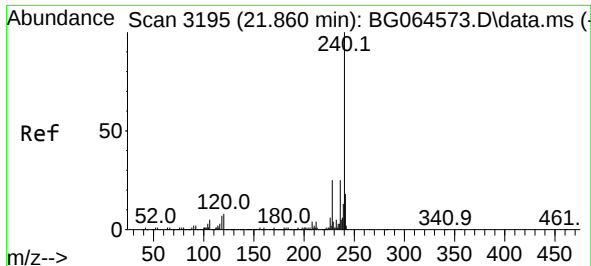
Tgt Ion:172 Resp: 529460
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 23.9 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.560 min Scan# 2463
Delta R.T. -0.022 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

Tgt Ion:188 Resp: 265224
Ion Ratio Lower Upper
188 100
94 5.7 5.7 8.5
80 6.7 6.8 10.2#

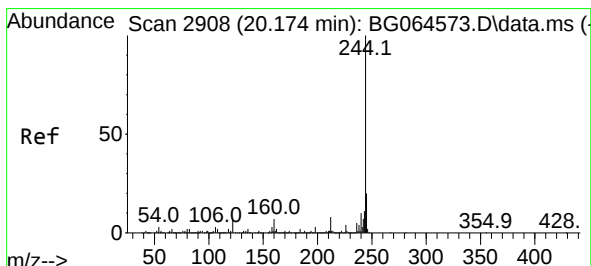
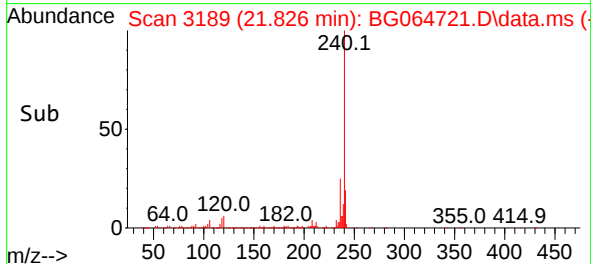
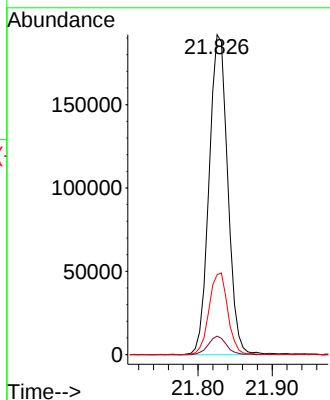
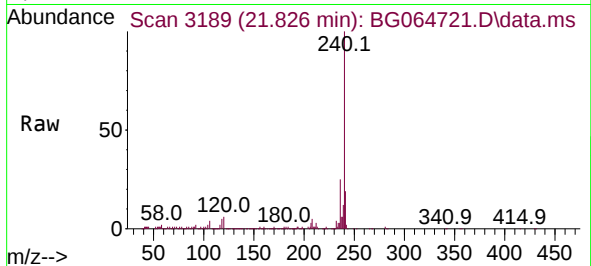




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.826 min Scan# 3195
Delta R.T. -0.034 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

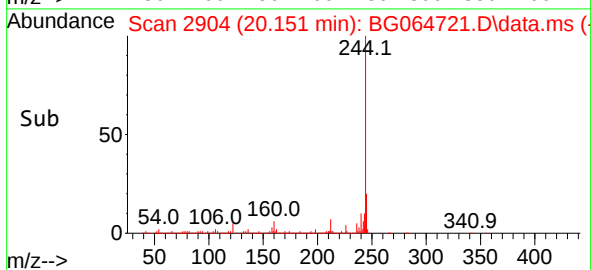
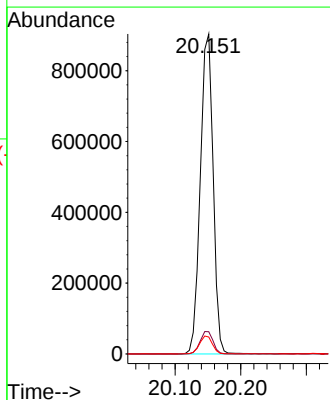
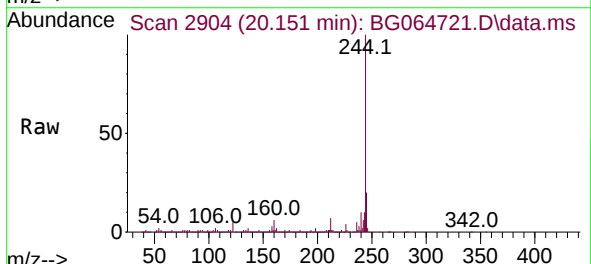
Instrument :
BNA_G
ClientSampleId :
MANHOLE

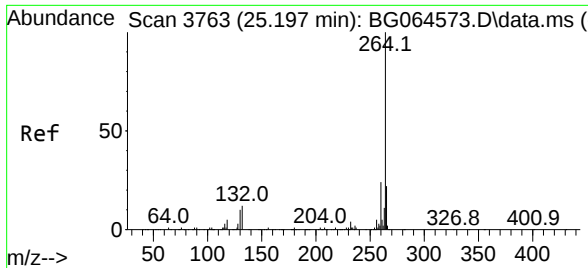
Tgt Ion:240 Resp: 334889
Ion Ratio Lower Upper
240 100
120 5.8 6.5 9.7#
236 25.0 20.2 30.2



#79
Terphenyl-d14
Concen: 68.728 ng
RT: 20.151 min Scan# 2904
Delta R.T. -0.022 min
Lab File: BG064721.D
Acq: 7 Nov 2025 18:15

Tgt Ion:244 Resp: 1219626
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 5.3 5.6 8.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.151 min Scan# 31
 Delta R.T. -0.046 min
 Lab File: BG064721.D
 Acq: 7 Nov 2025 18:15

Instrument :
 BNA_G
 ClientSampleId :
 MANHOLE

Tgt Ion:264 Resp: 384191

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	22.2	17.6	26.4

