

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064634.D
 Acq On : 29 Oct 2025 22:21
 Operator : RC/JU
 Sample : Q3468-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Quant Time: Oct 30 05:00:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

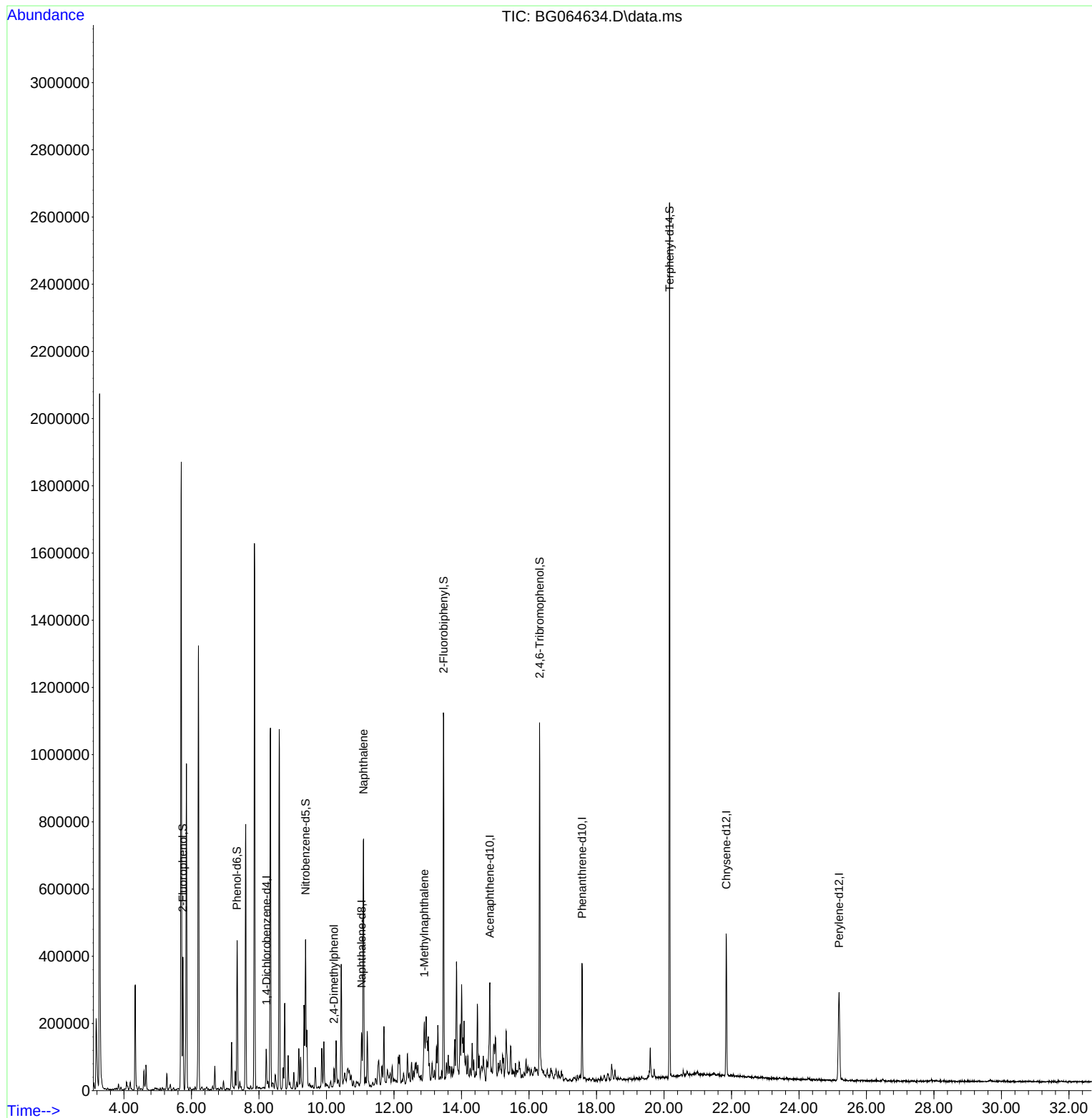
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	31994	20.000	ng	0.00
21) Naphthalene-d8	11.038	136	123990	20.000	ng	-0.01
39) Acenaphthene-d10	14.840	164	102275	20.000	ng	0.00
64) Phenanthrene-d10	17.572	188	212573	20.000	ng	0.00
76) Chrysene-d12	21.843	240	278839	20.000	ng	-0.02
86) Perylene-d12	25.186	264	309539	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	150145	78.770	ng	0.00
7) Phenol-d6	7.348	99	141038	53.922	ng	0.00
23) Nitrobenzene-d5	9.381	82	242395	117.420	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	223448	151.374	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	582439	86.319	ng	0.00
79) Terphenyl-d14	20.163	244	1364433	92.344	ng	-0.01
Target Compounds						
						Qvalue
27) 2,4-Dimethylphenol	10.221	122	16239	8.640	ng	# 81
31) Naphthalene	11.097	128	578269	84.119	ng	100
38) 1-Methylnaphthalene	12.901	142	56757	11.429	ng	# 98

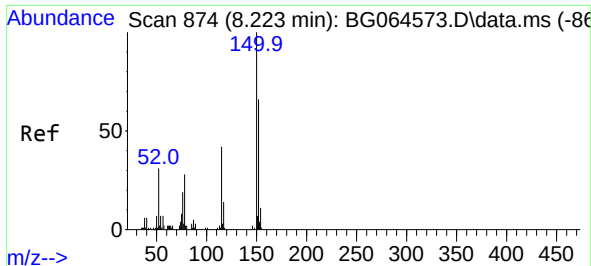
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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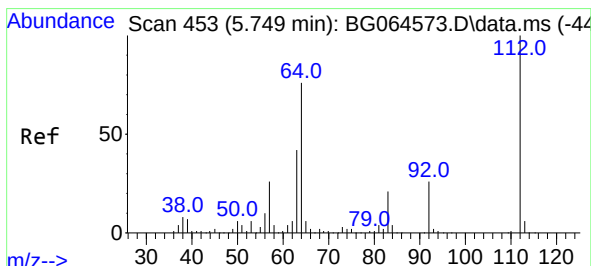
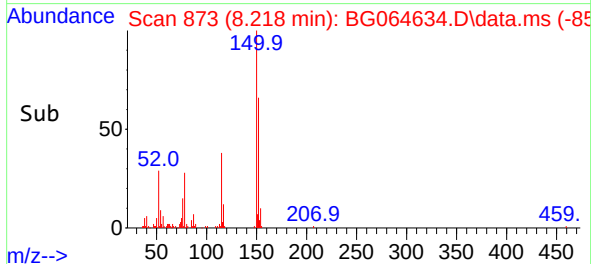
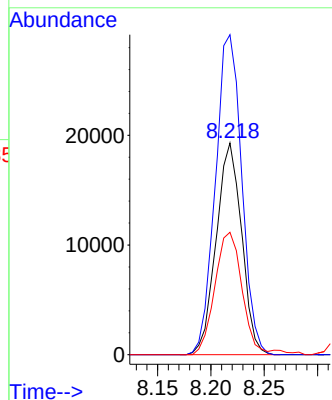
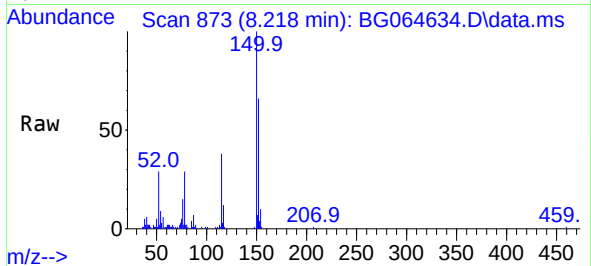




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

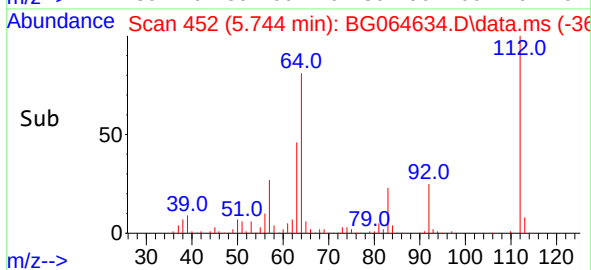
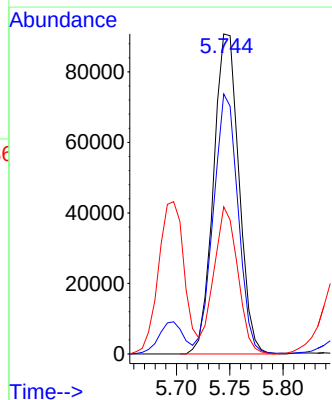
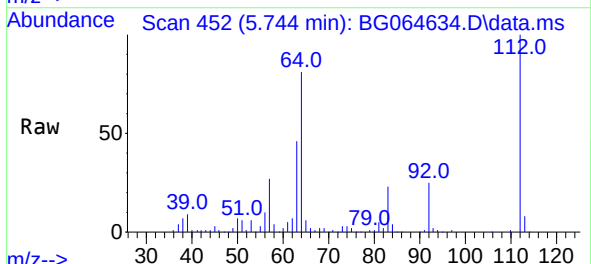
Instrument :
BNA_G
ClientSampleId :
MW-12

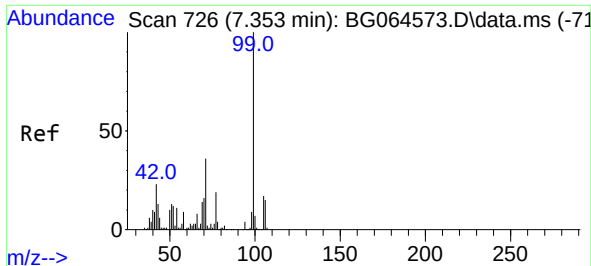
Tgt Ion:152 Resp: 31994
Ion Ratio Lower Upper
152 100
150 151.1 122.2 183.4
115 57.8 50.8 76.2



#5
2-Fluorophenol
Concen: 78.770 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:112 Resp: 150145
Ion Ratio Lower Upper
112 100
64 81.2 60.7 91.1
63 46.0 33.4 50.0

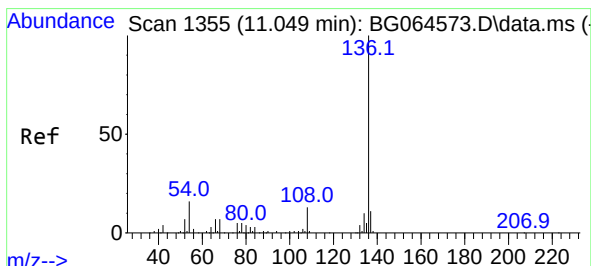
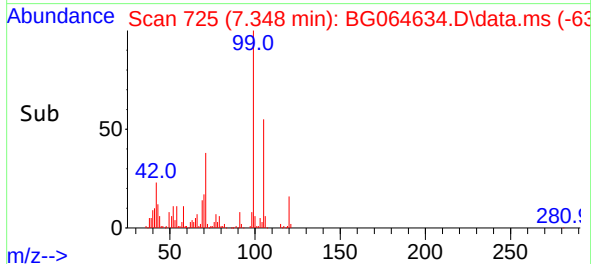
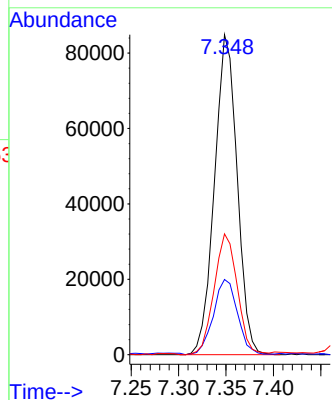
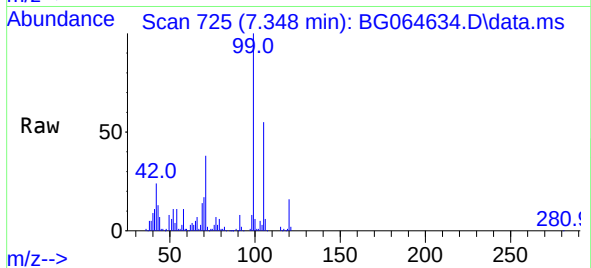




#7
Phenol-d6
Concen: 53.922 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

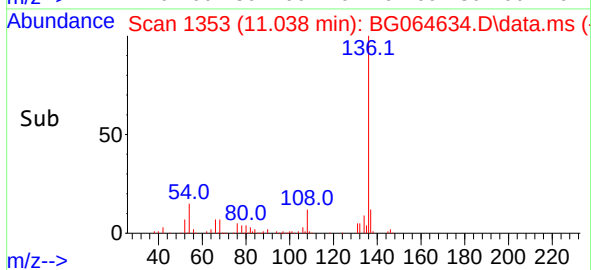
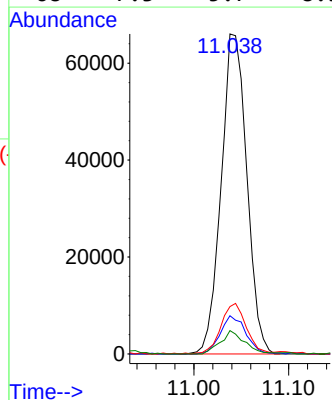
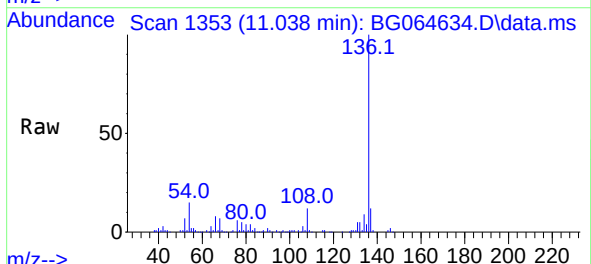
Instrument :
BNA_G
ClientSampleId :
MW-12

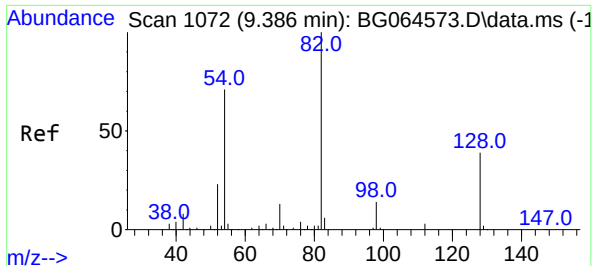
Tgt Ion: 99 Resp: 141038
Ion Ratio Lower Upper
99 100
42 23.5 18.3 27.5
71 37.8 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.038 min Scan# 1353
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion: 136 Resp: 123990
Ion Ratio Lower Upper
136 100
137 12.0 9.2 13.8
54 14.8 12.6 19.0
68 7.3 5.7 8.5





#23

Nitrobenzene-d5

Concen: 117.420 ng

RT: 9.381 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG064634.D

Acq: 29 Oct 2025 22:21

Instrument :

BNA_G

ClientSampleId :

MW-12

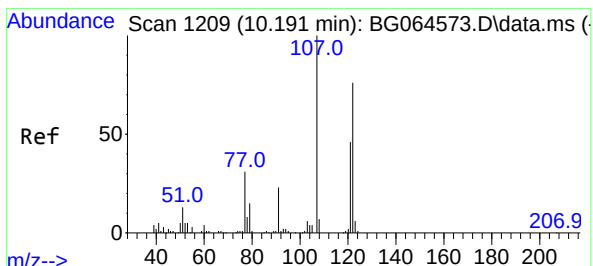
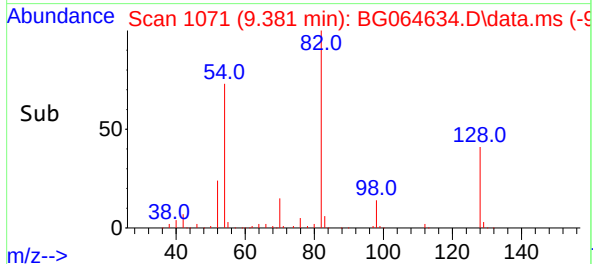
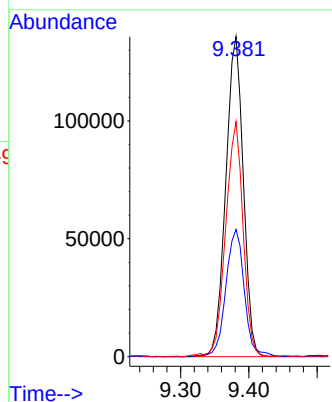
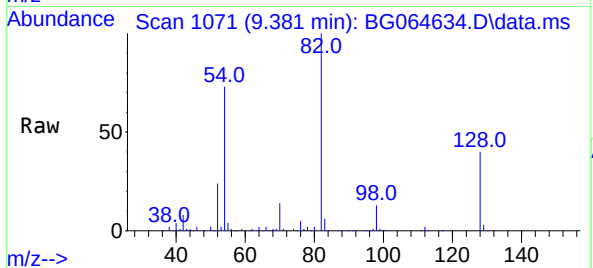
Tgt Ion: 82 Resp: 242395

Ion Ratio Lower Upper

82 100

128 39.7 31.3 46.9

54 73.4 56.6 84.8



#27

2,4-Dimethylphenol

Concen: 8.640 ng

RT: 10.221 min Scan# 1214

Delta R.T. 0.027 min

Lab File: BG064634.D

Acq: 29 Oct 2025 22:21

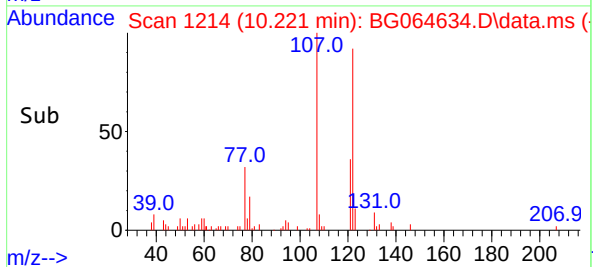
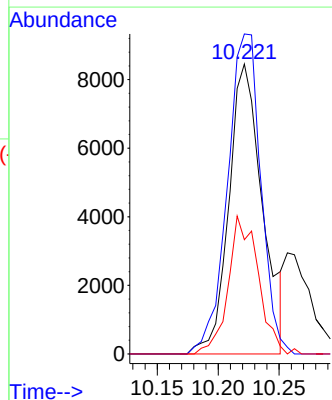
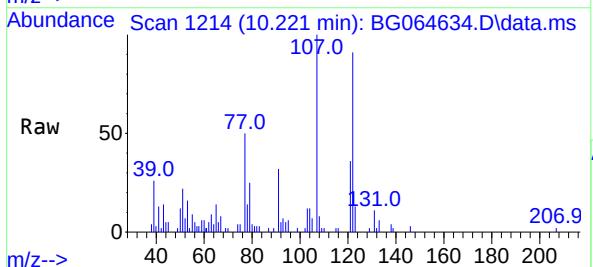
Tgt Ion:122 Resp: 16239

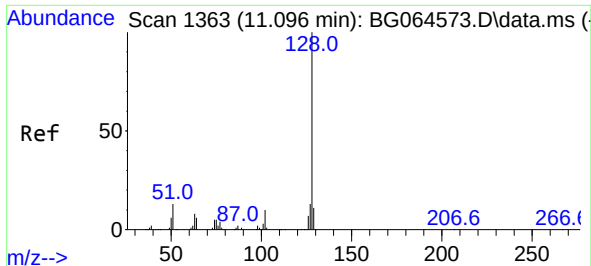
Ion Ratio Lower Upper

122 100

107 110.4 103.0 154.4

121 39.4 47.8 71.8#

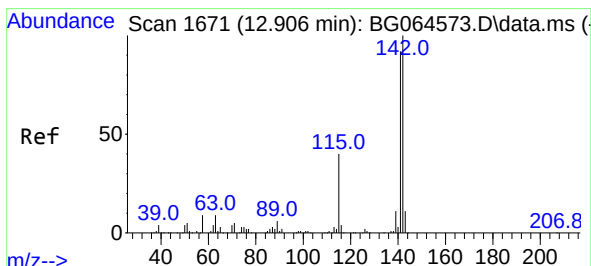
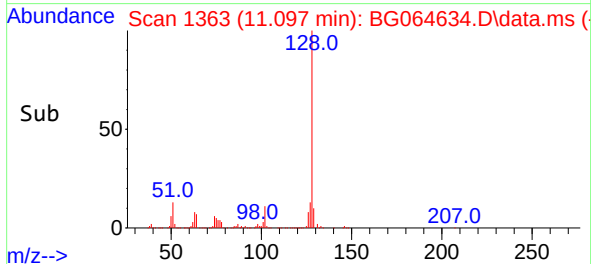
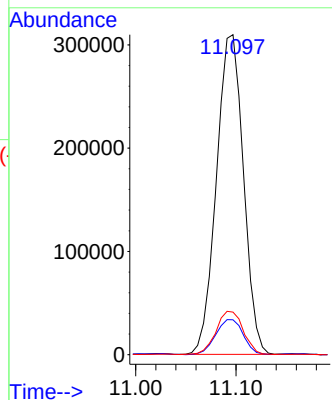
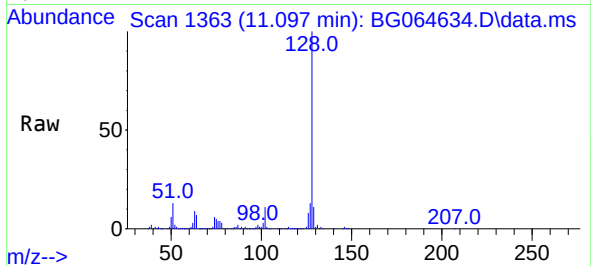




#31
Naphthalene
Concen: 84.119 ng
RT: 11.097 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

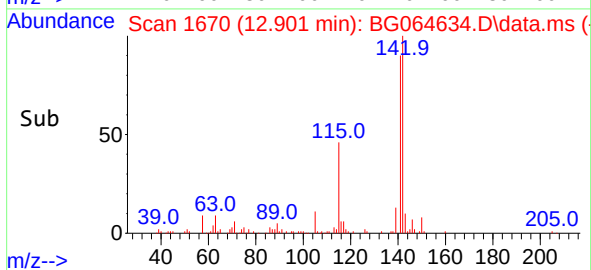
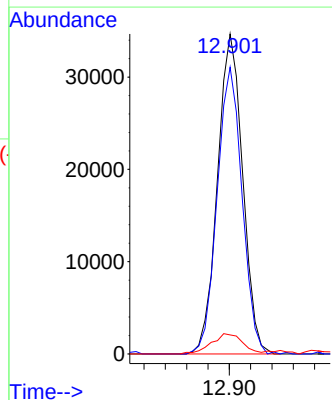
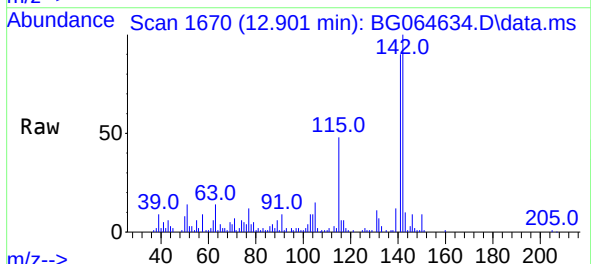
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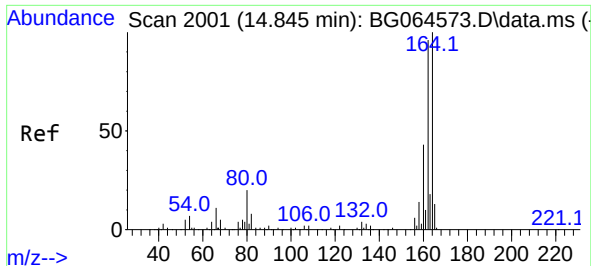
Tgt Ion:128 Resp: 578269
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 10.6 15.8



#38
1-Methylnaphthalene
Concen: 11.429 ng
RT: 12.901 min Scan# 1670
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:142 Resp: 56757
Ion Ratio Lower Upper
142 100
141 89.6 73.3 109.9
116 5.9 3.1 4.7#

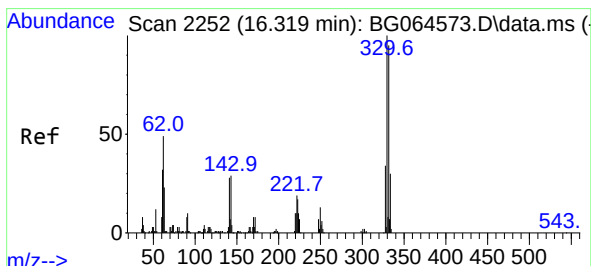
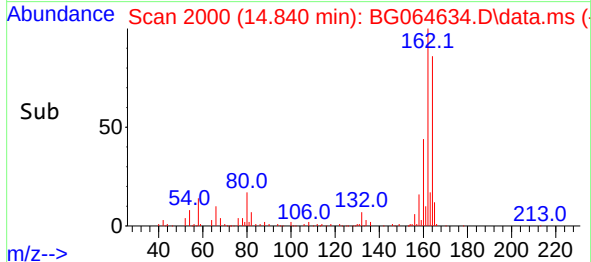
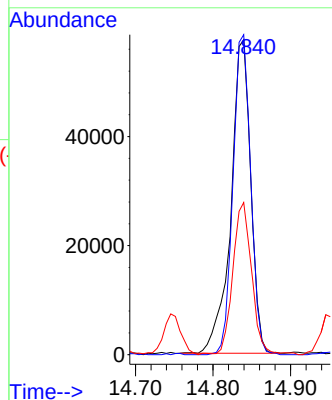
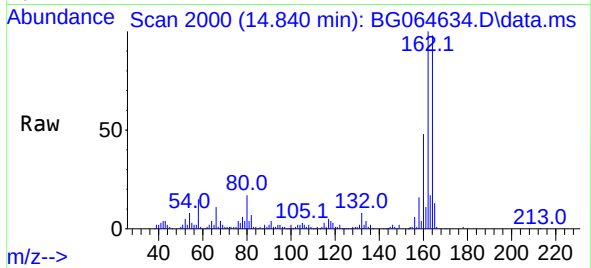




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

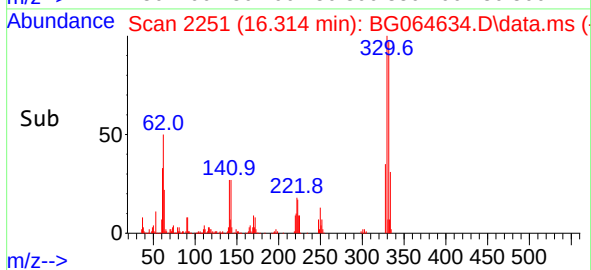
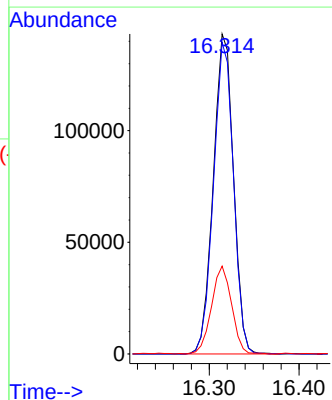
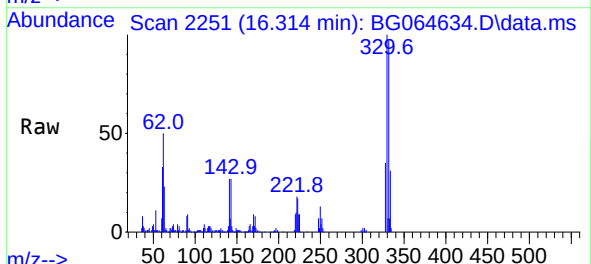
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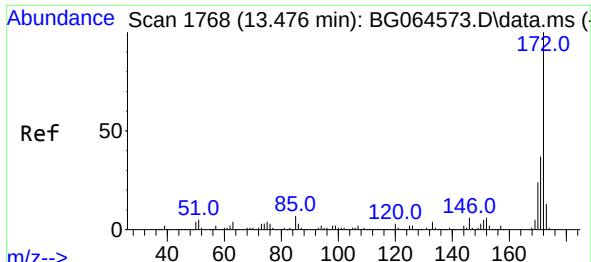
Tgt Ion:164 Resp: 102275
Ion Ratio Lower Upper
164 100
162 101.6 77.0 115.6
160 48.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 151.374 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:330 Resp: 223448
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 27.4 21.8 32.6

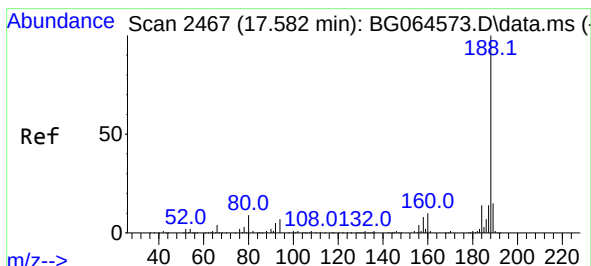
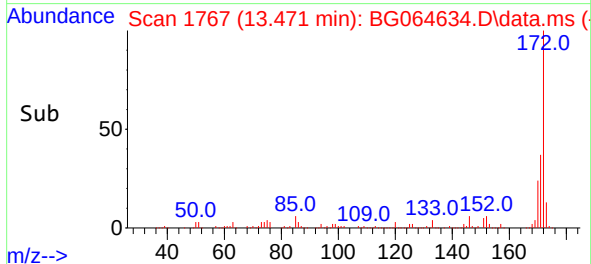
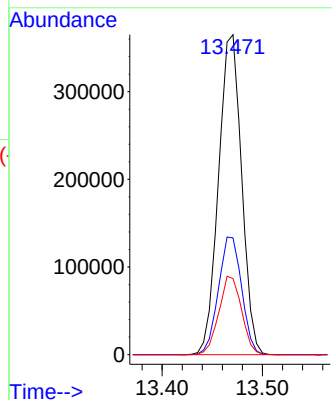
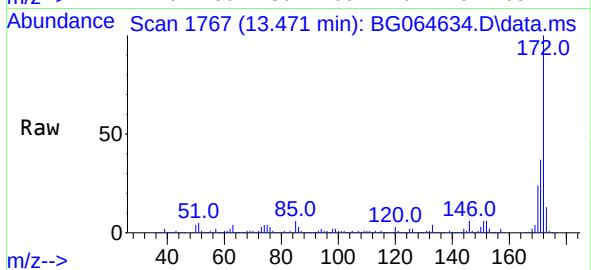




#45
2-Fluorobiphenyl
Concen: 86.319 ng
RT: 13.471 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

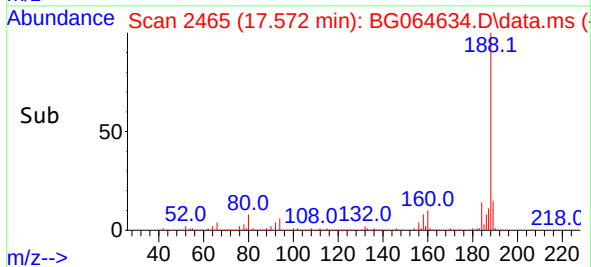
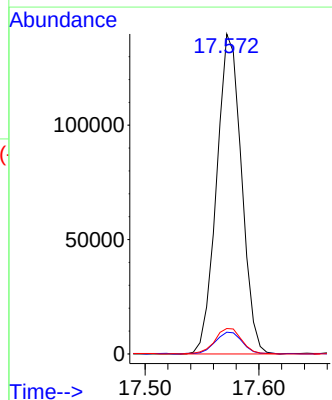
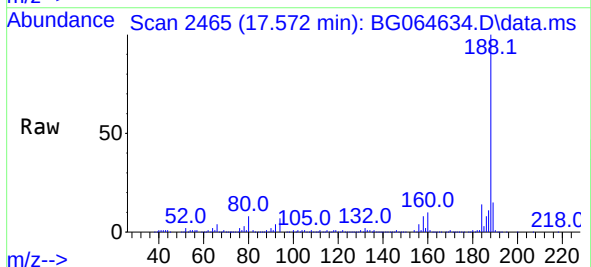
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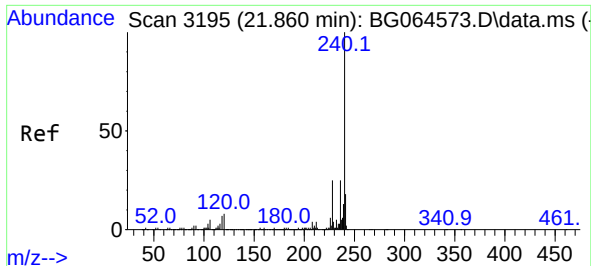
Tgt Ion:172 Resp: 582439
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 23.8 19.1 28.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.572 min Scan# 2465
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:188 Resp: 212573
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 8.0 6.8 10.2

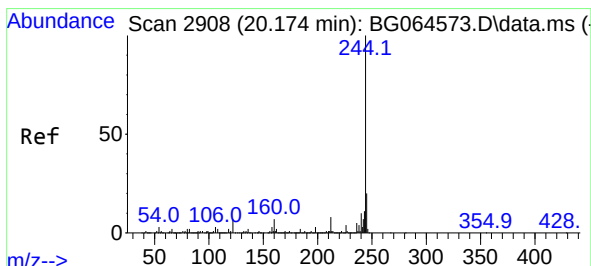
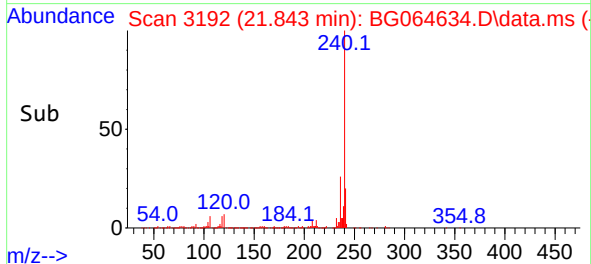
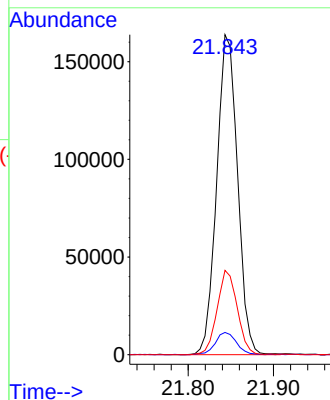
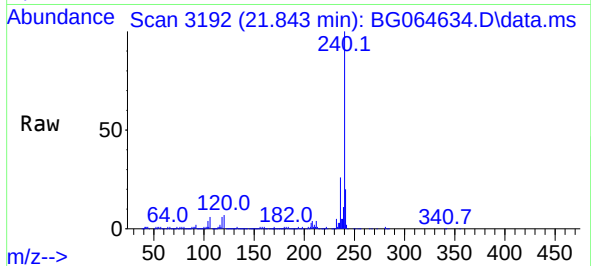




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.843 min Scan# 31
Delta R.T. -0.020 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

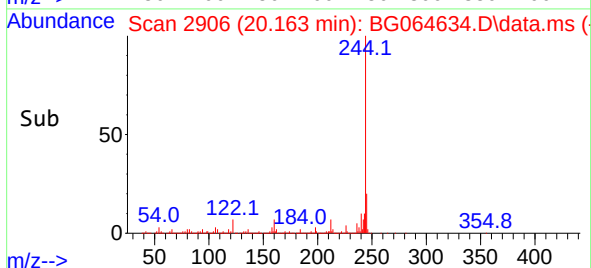
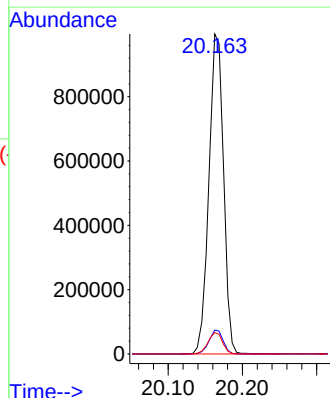
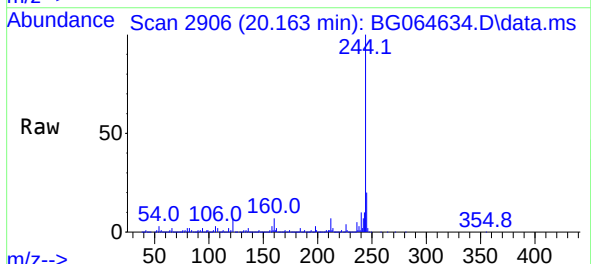
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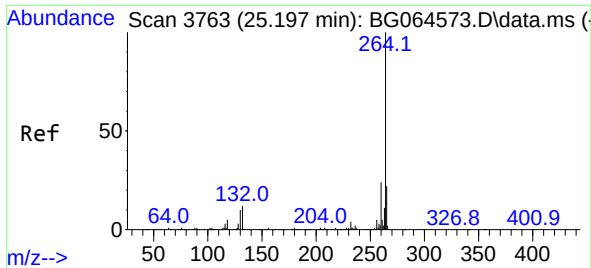
Tgt Ion:240 Resp: 278839
Ion Ratio Lower Upper
240 100
120 6.9 6.5 9.7
236 26.3 20.2 30.2



#79
Terphenyl-d14
Concen: 92.344 ng
RT: 20.163 min Scan# 2906
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:244 Resp: 1364433
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.7 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 309539
Ion Ratio Lower Upper
264 100
260 25.1 19.0 28.4
265 21.4 17.6 26.4

