

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059834.D
 Acq On : 23 Nov 2023 1:49
 Operator : MA/JU
 Sample : 05465-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONC-PILE

Quant Time: Nov 23 02:27:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

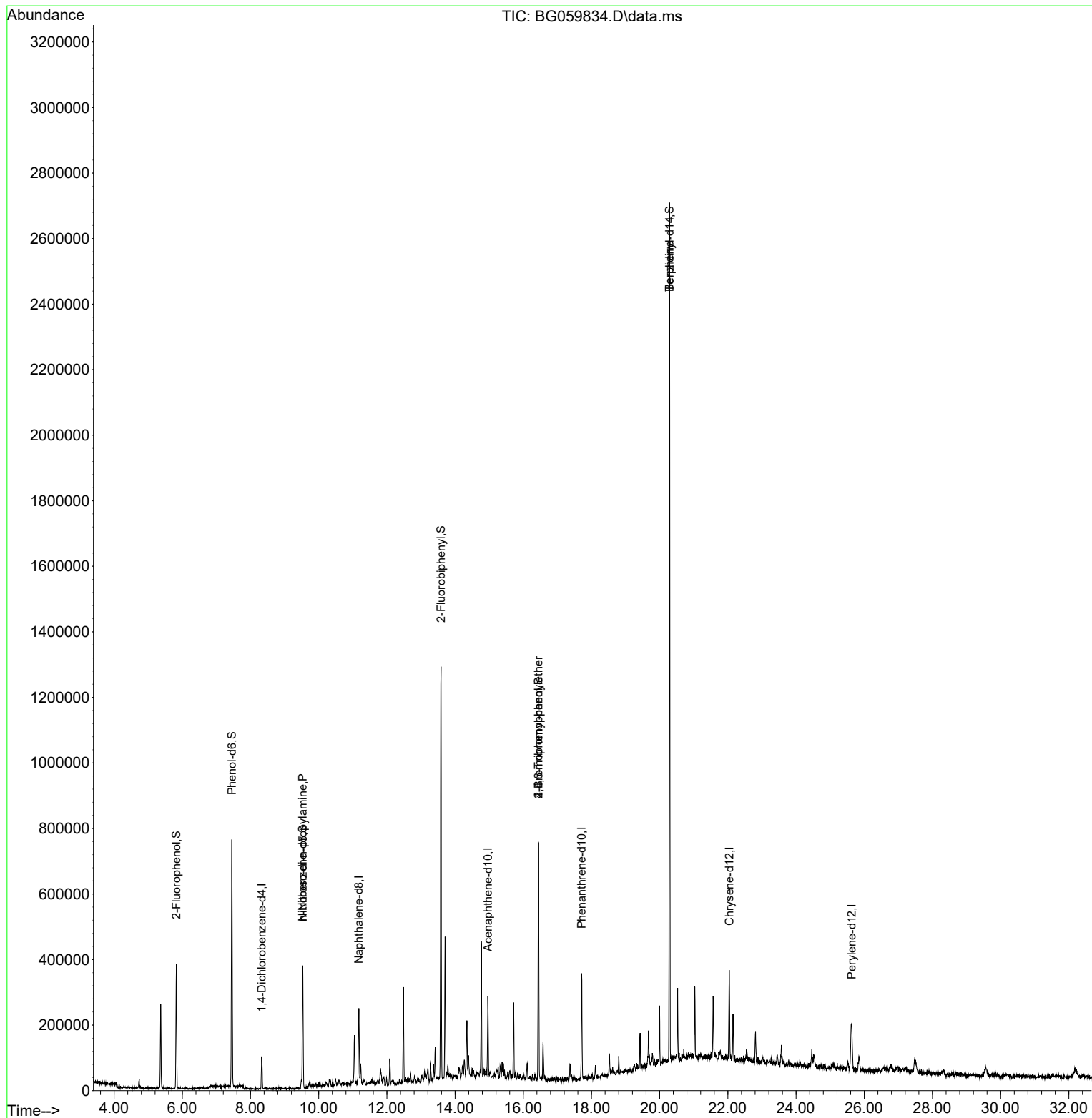
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.328	152	22128	20.000	ng	#-0.01
21) Naphthalene-d8	11.178	136	148998	20.000	ng	#-0.01
39) Acenaphthene-d10	14.962	164	71426	20.000	ng	# 0.00
64) Phenanthrene-d10	17.712	188	169841	20.000	ng	# 0.00
76) Chrysene-d12	22.042	240	151899	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	177787	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.825	112	128536	97.769	ng	0.00
7) Phenol-d6	7.453	99	331571	170.190	ng	0.00
23) Nitrobenzene-d5	9.533	82	232365	59.561	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	102650	126.663	ng	0.00
45) 2-Fluorobiphenyl	13.587	172	541805	102.105	ng	0.00
79) Terphenyl-d14	20.291	244	1010425	98.199	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.533	70	39463	25.722	ng	# 83
67) 4-Bromophenyl-phenylether	16.448	248	7107	3.895	ng	# 1
77) Benzidine	20.291	184	34441	9.999	ng	# 91

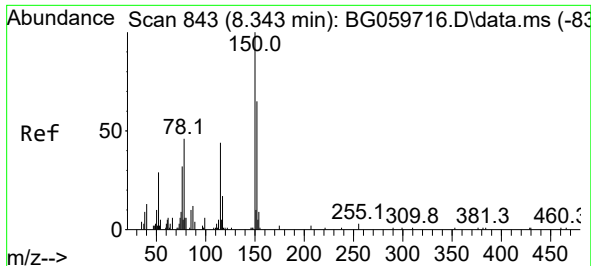
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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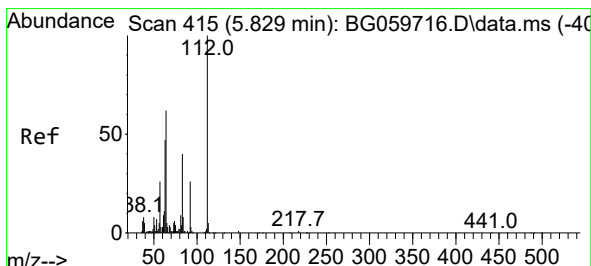
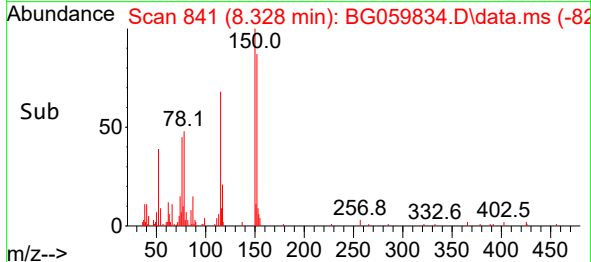
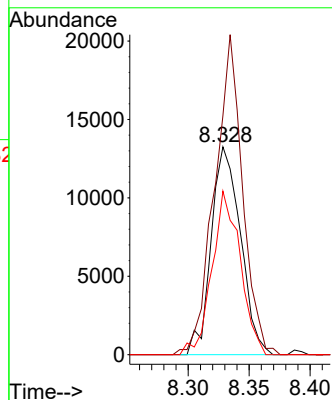
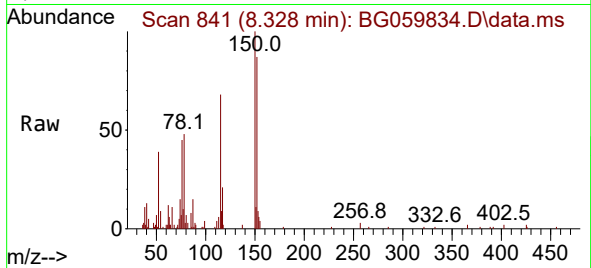




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.328 min Scan# 843
Delta R.T. -0.015 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

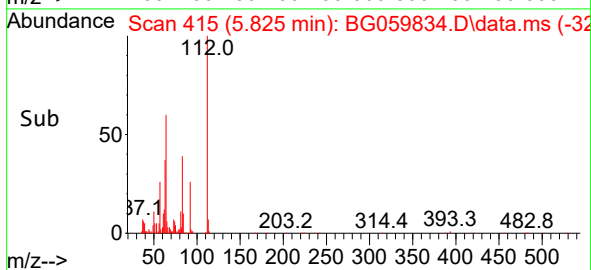
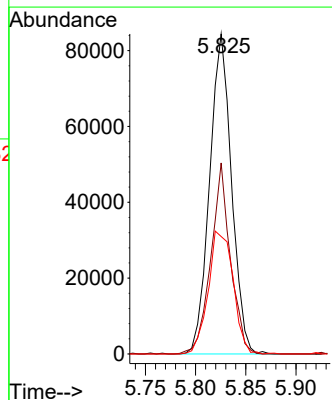
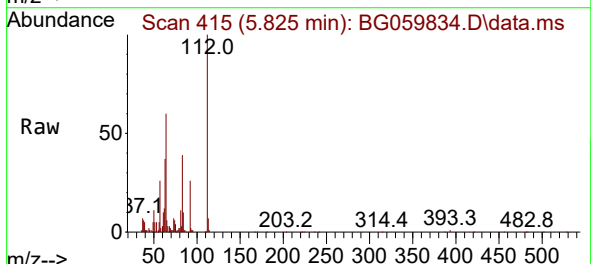
Instrument :
BNA_G
ClientSampleId :
CONC-PILE

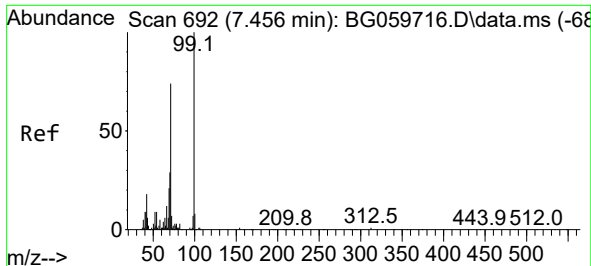
Tgt Ion:152 Resp: 22128
Ion Ratio Lower Upper
152 100
150 115.0 122.2 183.4#
115 78.6 54.2 81.4



#5
2-Fluorophenol
Concen: 97.769 ng
RT: 5.825 min Scan# 415
Delta R.T. -0.003 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion:112 Resp: 128536
Ion Ratio Lower Upper
112 100
64 59.7 49.5 74.3
63 36.7 37.4 56.2#

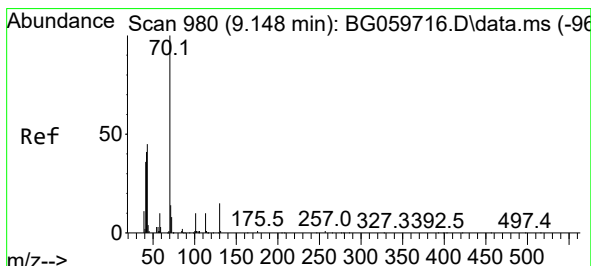
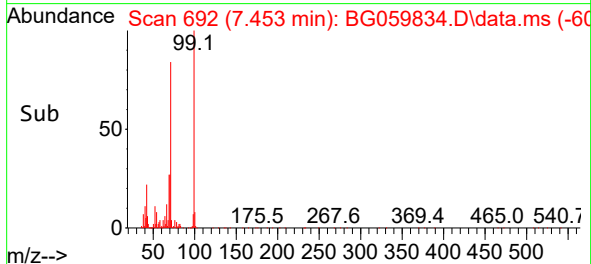
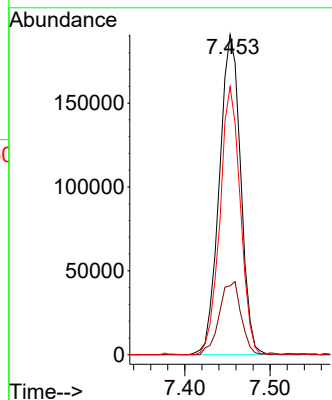
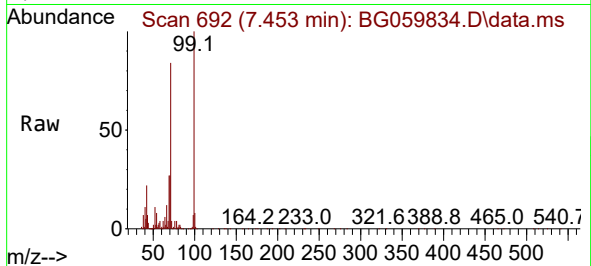




#7
Phenol-d6
Concen: 170.190 ng
RT: 7.453 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

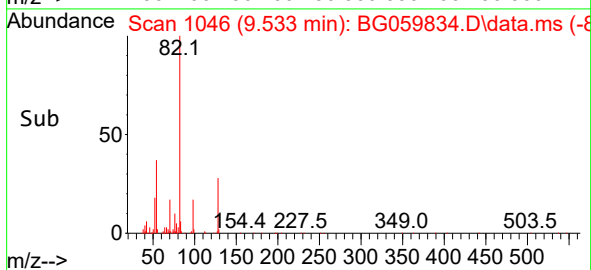
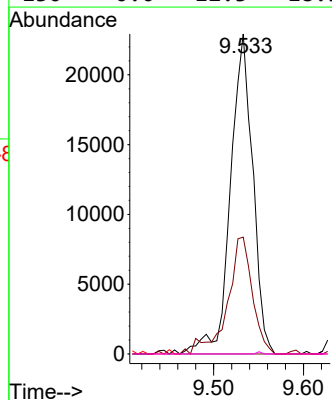
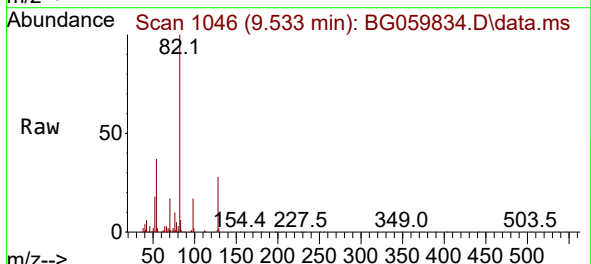
Instrument :
BNA_G
ClientSampleId :
CONC-PILE

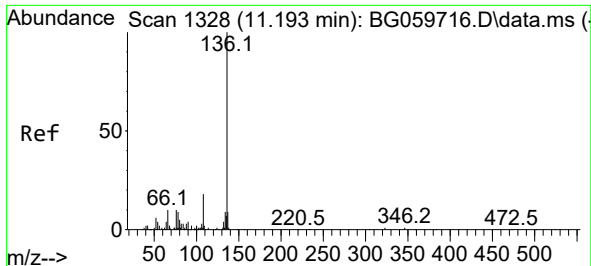
Tgt Ion: 99 Resp: 331571
Ion Ratio Lower Upper
99 100
42 21.5 14.3 21.5#
71 83.7 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 25.722 ng
RT: 9.533 min Scan# 1046
Delta R.T. 0.385 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion: 70 Resp: 39463
Ion Ratio Lower Upper
70 100
42 36.5 32.8 49.2
101 0.0 7.7 11.5#
130 0.0 12.3 18.5#

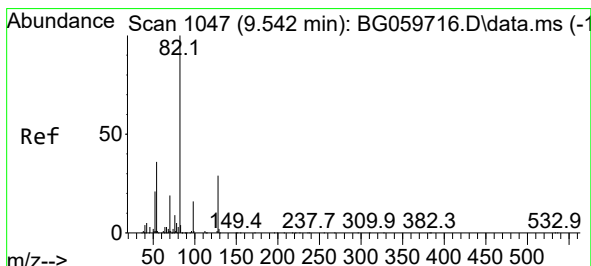
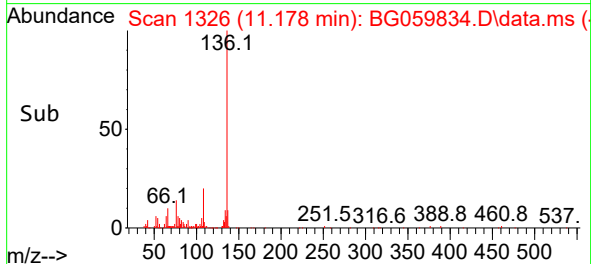
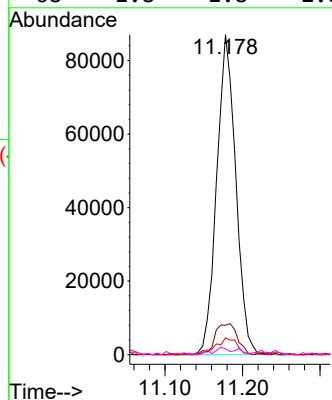
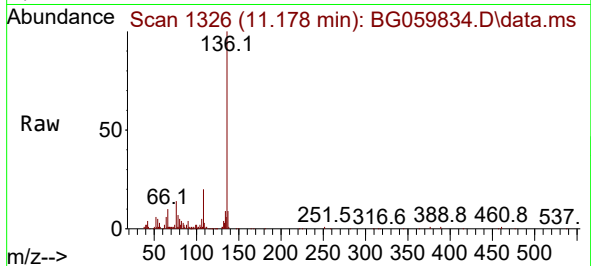




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.178 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

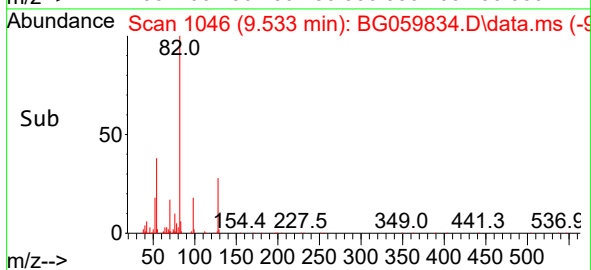
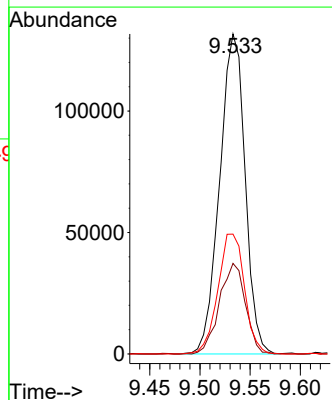
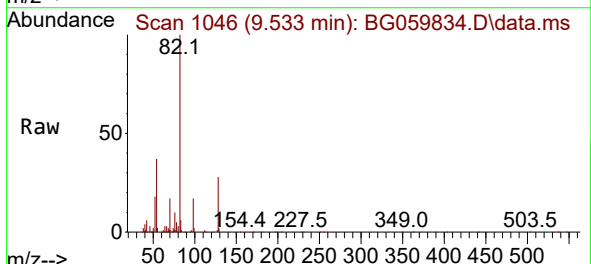
Instrument :
BNA_G
ClientSampleId :
CONC-PILE

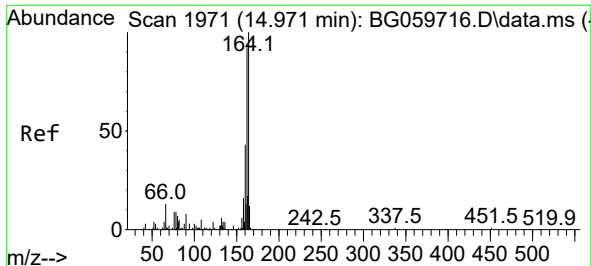
Tgt Ion:136 Resp: 148998
Ion Ratio Lower Upper
136 100
137 9.2 7.4 11.0
54 5.3 3.1 4.7#
68 1.8 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 59.561 ng
RT: 9.533 min Scan# 1046
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion: 82 Resp: 232365
Ion Ratio Lower Upper
82 100
128 28.3 23.0 34.6
54 37.5 28.7 43.1

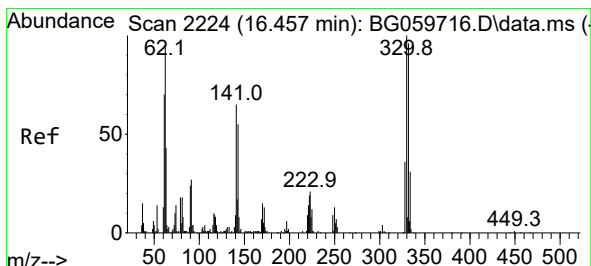
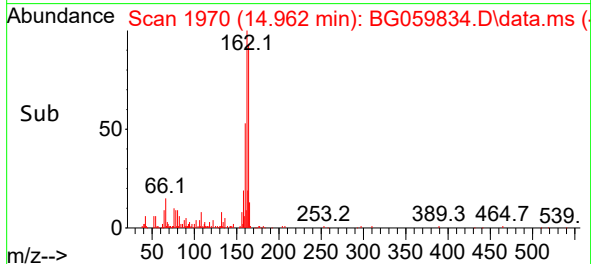
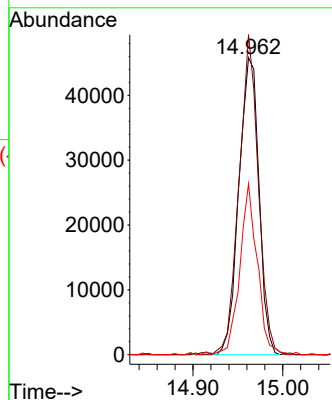
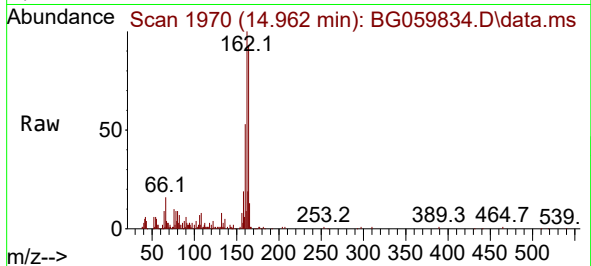




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.962 min Scan# 1970
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

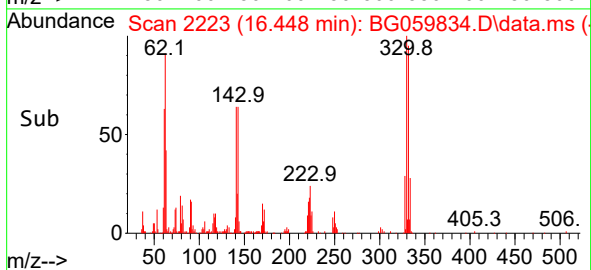
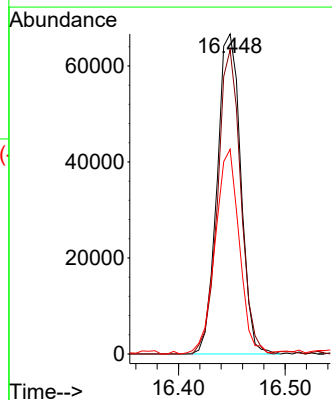
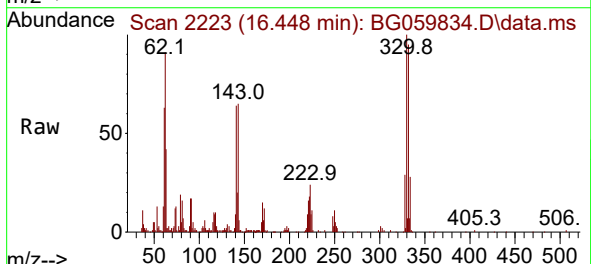
Instrument :
BNA_G
ClientSampleId :
CONC-PILE

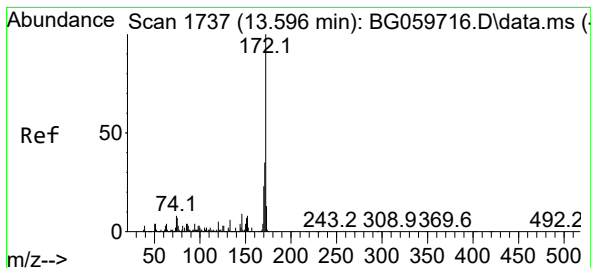
Tgt Ion:164 Resp: 71426
Ion Ratio Lower Upper
164 100
162 107.8 73.3 109.9
160 57.5 34.1 51.1#



#42
2,4,6-Tribromophenol
Concen: 126.663 ng
RT: 16.448 min Scan# 2223
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion:330 Resp: 102650
Ion Ratio Lower Upper
330 100
332 92.3 73.3 109.9
141 65.3 52.1 78.1

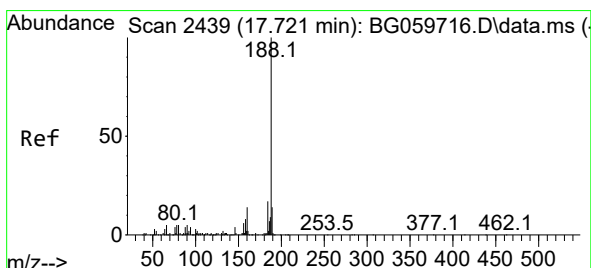
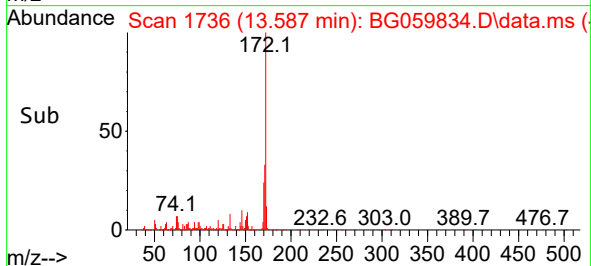
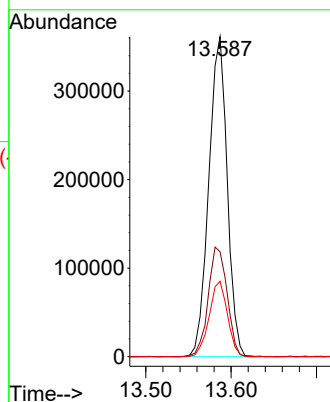
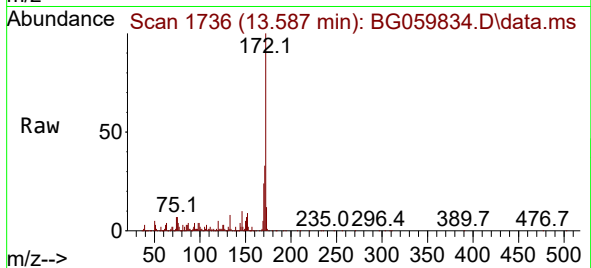




#45
2-Fluorobiphenyl
Concen: 102.105 ng
RT: 13.587 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

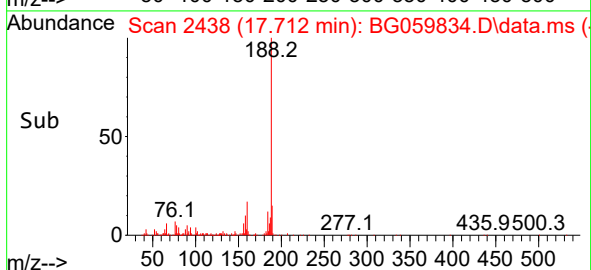
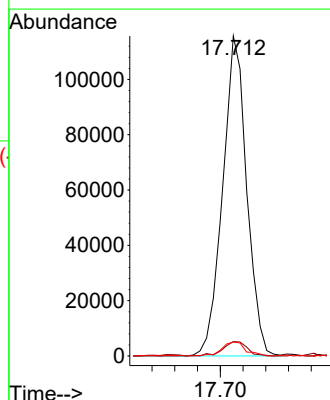
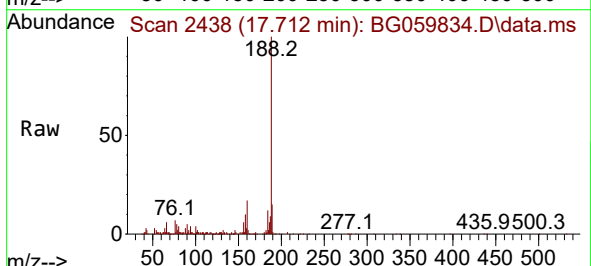
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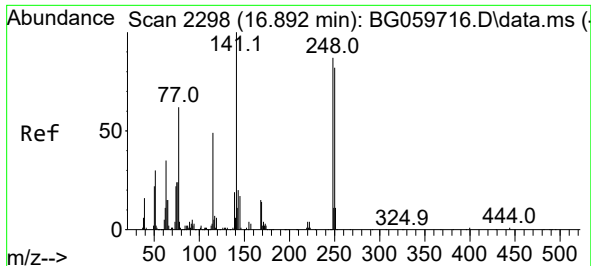
Tgt Ion:172 Resp: 541805
Ion Ratio Lower Upper
172 100
171 32.8 27.7 41.5
170 23.5 18.4 27.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.712 min Scan# 2438
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion:188 Resp: 169841
Ion Ratio Lower Upper
188 100
94 4.5 3.0 4.4#
80 4.3 4.2 6.4

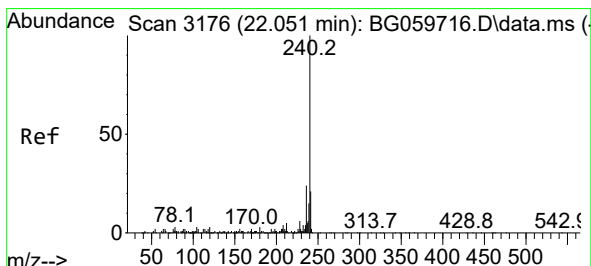
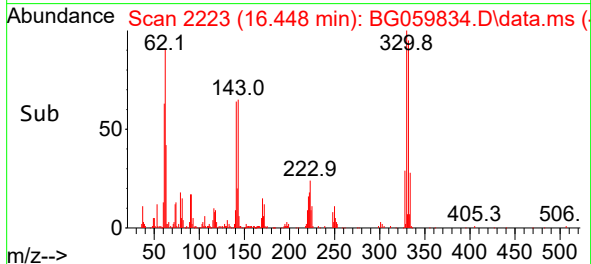
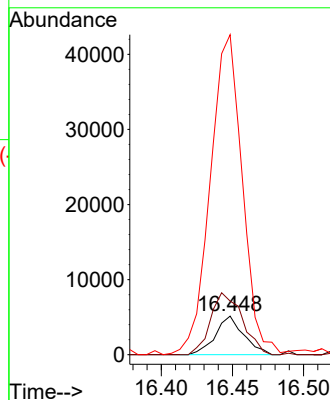
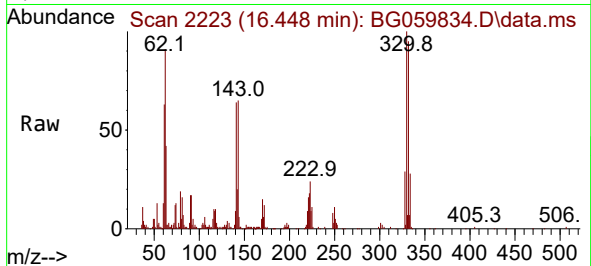




#67
4-Bromophenyl-phenylether
Concen: 3.895 ng
RT: 16.448 min Scan# 21
Delta R.T. -0.444 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

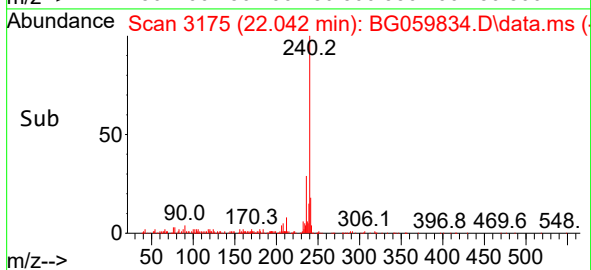
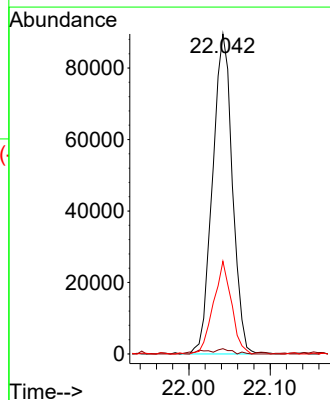
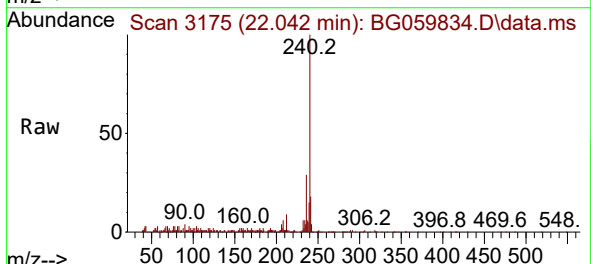
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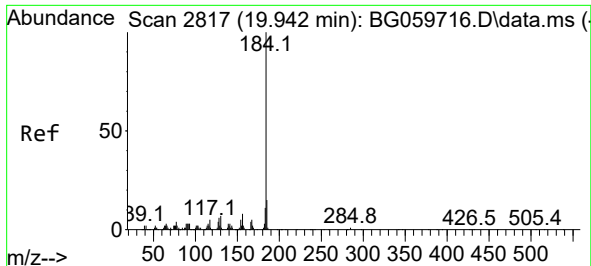
Tgt Ion:248 Resp: 7107
Ion Ratio Lower Upper
248 100
250 138.6 75.2 112.8#
141 828.0 91.5 137.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.042 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion:240 Resp: 151899
Ion Ratio Lower Upper
240 100
120 1.6 2.2 3.2#
236 29.0 19.4 29.2

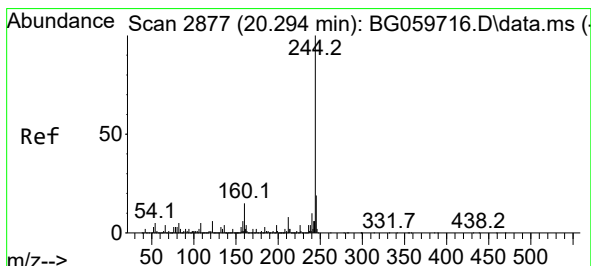
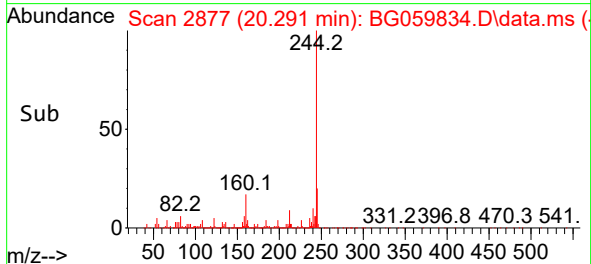
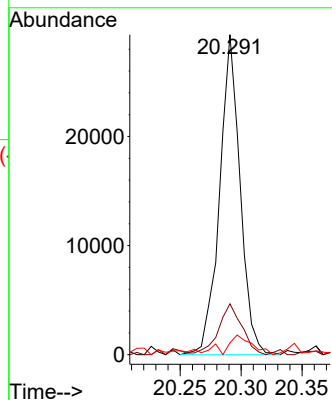
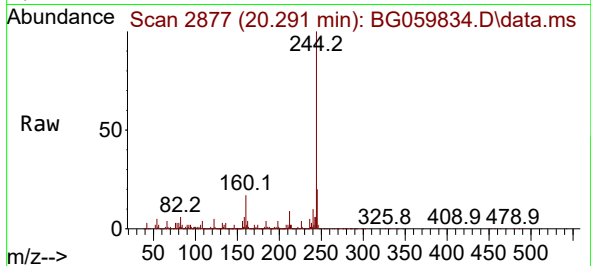




#77
Benzidine
Concen: 9.999 ng
RT: 20.291 min Scan# 2877
Delta R.T. 0.349 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

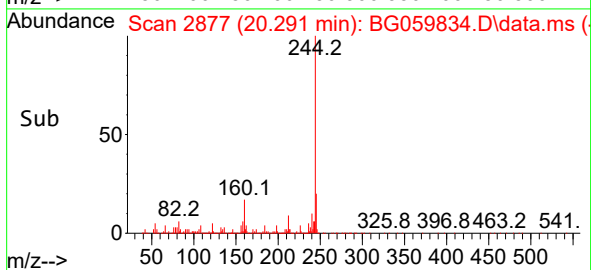
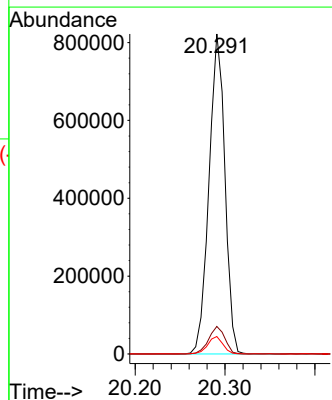
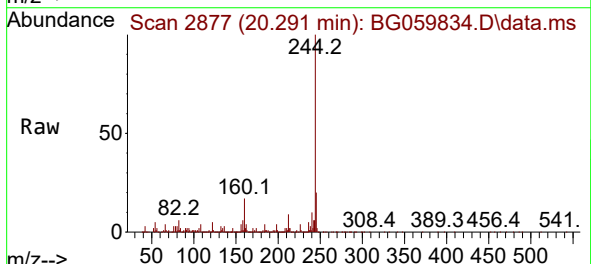
Instrument :
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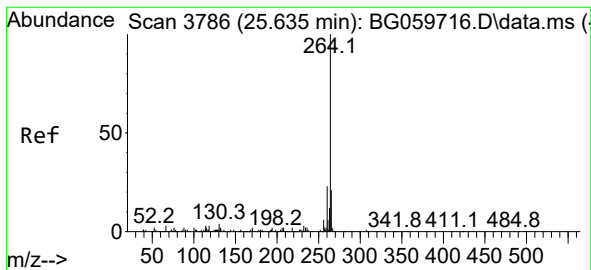
Tgt Ion:184 Resp: 34441
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 3.7 8.8 13.2#



#79
Terphenyl-d14
Concen: 98.199 ng
RT: 20.291 min Scan# 2877
Delta R.T. -0.003 min
Lab File: BG059834.D
Acq: 23 Nov 2023 1:49

Tgt Ion:244 Resp: 1010425
Ion Ratio Lower Upper
244 100
212 8.6 6.6 10.0
122 5.5 4.4 6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.632 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: BG059834.D
 Acq: 23 Nov 2023 1:49

Instrument :
 BNA_G
 ClientSampleId :
 CONC-PILE

Tgt Ion:264 Resp: 177787
 Ion Ratio Lower Upper
 264 100
 260 20.3 18.5 27.7
 265 23.1 17.0 25.6

