

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059799.D
 Acq On : 21 Nov 2023 19:43
 Operator : MA/JU
 Sample : PB157050TB
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB156940TB

Quant Time: Nov 22 00:33:35 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)

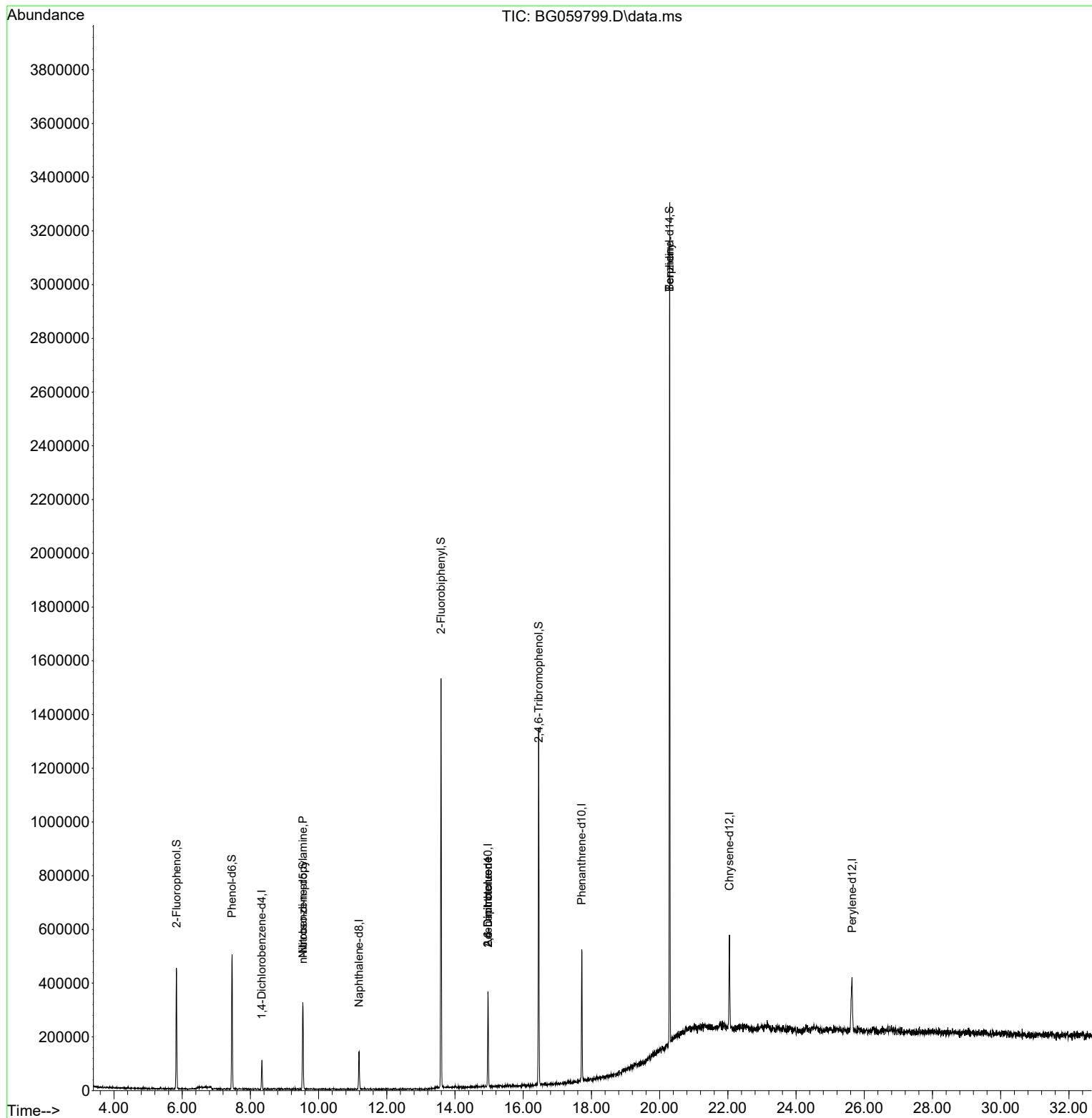
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.332	152	21760	20.000	ng	#-0.01
21) Naphthalene-d8	11.188	136	95980	20.000	ng	# 0.00
39) Acenaphthene-d10	14.966	164	111786	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	262548	20.000	ng	# 0.00
76) Chrysene-d12	22.046	240	184312	20.000	ng	# 0.00
86) Perylene-d12	25.642	264	228393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	155120	119.985	ng	0.00
7) Phenol-d6	7.457	99	215338	112.399	ng	0.00
23) Nitrobenzene-d5	9.537	82	205235	81.666	ng	0.00
42) 2,4,6-Tribromophenol	16.458	330	176798	139.392	ng	0.00
45) 2-Fluorobiphenyl	13.591	172	649242	78.177	ng	0.00
79) Terphenyl-d14	20.295	244	1212393	97.107	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.543	70	33136	21.963	ng	# 82
51) 2,6-Dinitrotoluene	14.966	165	15080	9.176	ng	# 1
57) 2,4-Dinitrotoluene	14.966	165	15080	5.967	ng	# 2
77) Benzidine	20.295	184	39264	9.395	ng	# 87

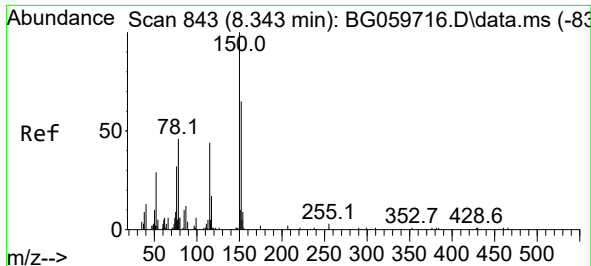
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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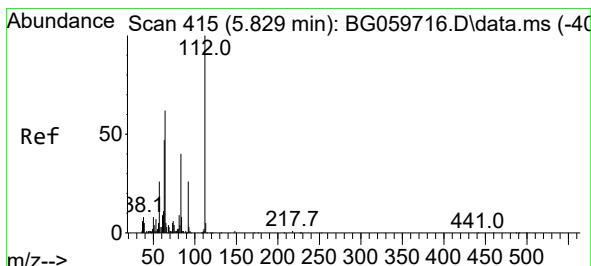
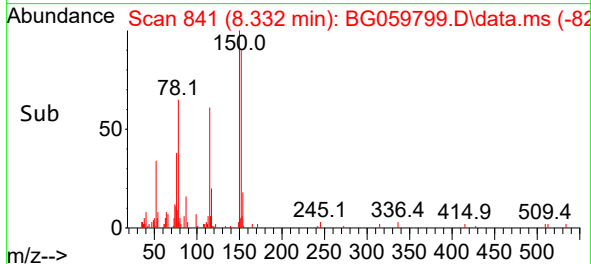
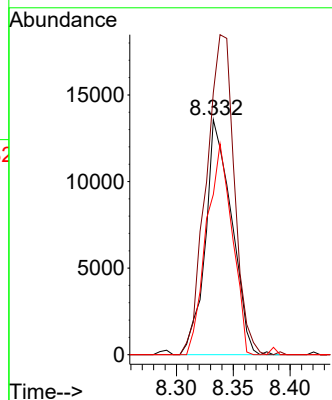
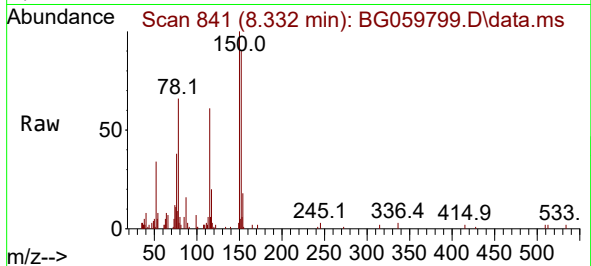




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.332 min Scan# 84
Delta R.T. -0.011 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

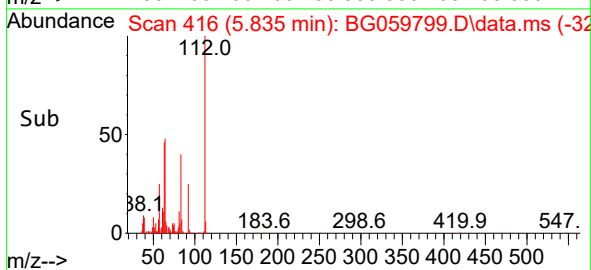
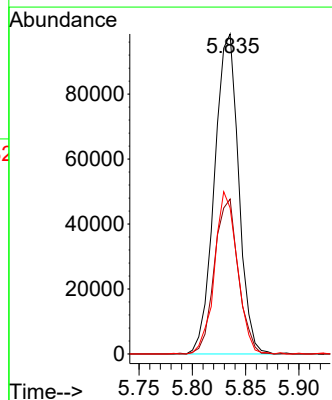
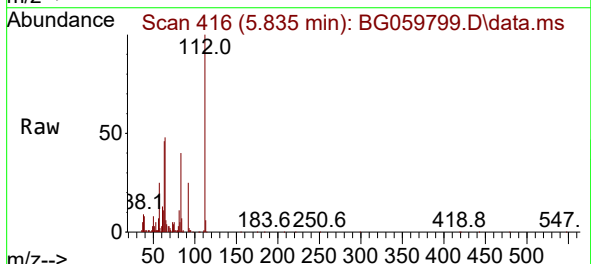
Instrument :
BNA_G
ClientSampleId :
PB156940TB

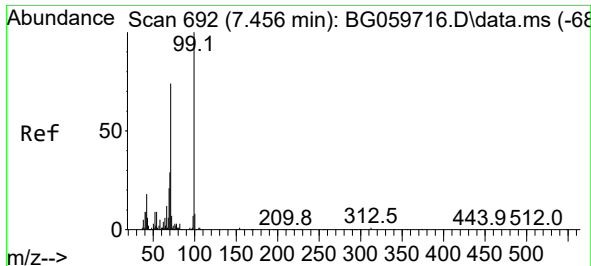
Tgt Ion:152 Resp: 21760
Ion Ratio Lower Upper
152 100
150 111.6 122.2 183.4#
115 68.2 54.2 81.4



#5
2-Fluorophenol
Concen: 119.985 ng
RT: 5.835 min Scan# 416
Delta R.T. 0.007 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

Tgt Ion:112 Resp: 155120
Ion Ratio Lower Upper
112 100
64 48.4 49.5 74.3#
63 45.6 37.4 56.2

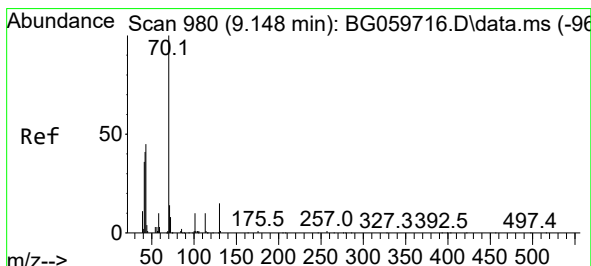
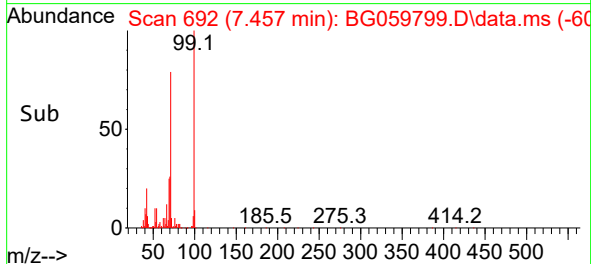
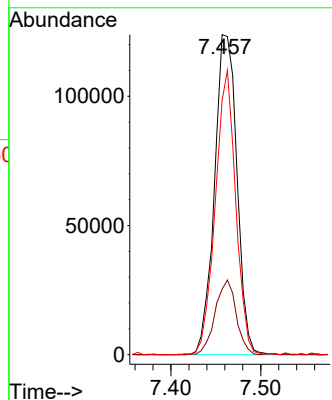
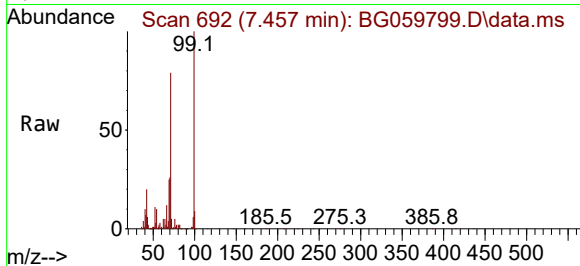




#7
Phenol-d6
Concen: 112.399 ng
RT: 7.457 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

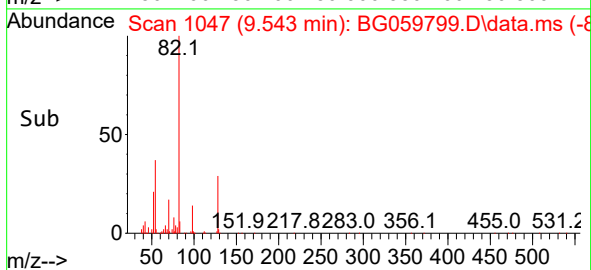
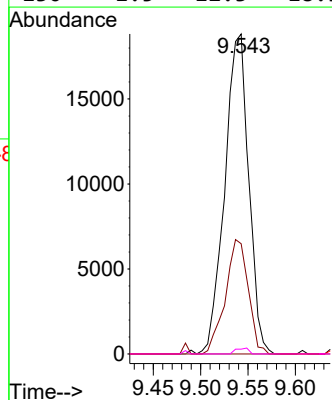
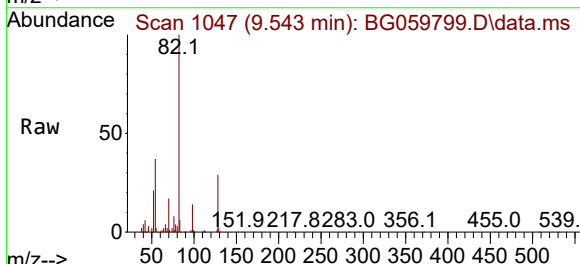
Instrument :
BNA_G
ClientSampleId :
PB156940TB

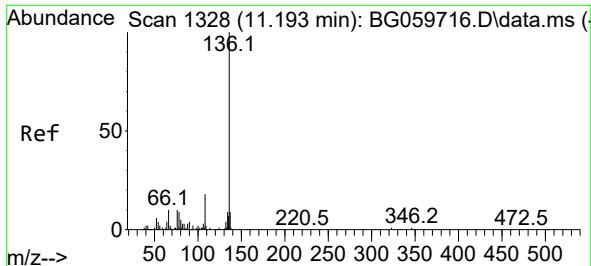
Tgt Ion: 99 Resp: 215338
Ion Ratio Lower Upper
99 100
42 20.5 14.3 21.5
71 79.4 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 21.963 ng
RT: 9.543 min Scan# 1047
Delta R.T. 0.394 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

Tgt Ion: 70 Resp: 33136
Ion Ratio Lower Upper
70 100
42 34.5 32.8 49.2
101 0.0 7.7 11.5#
130 1.5 12.3 18.5#

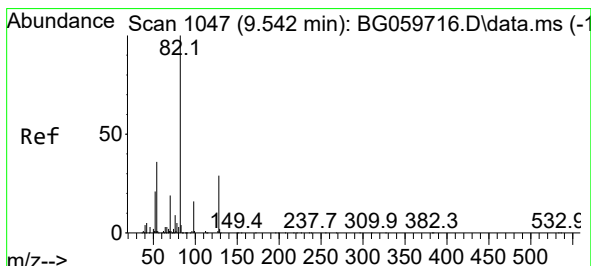
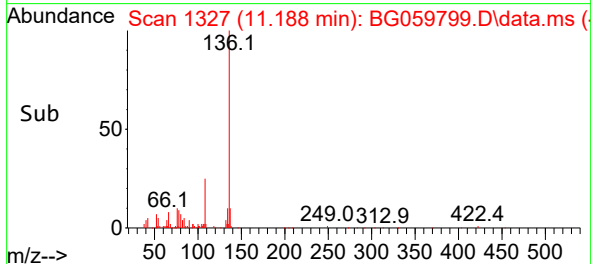
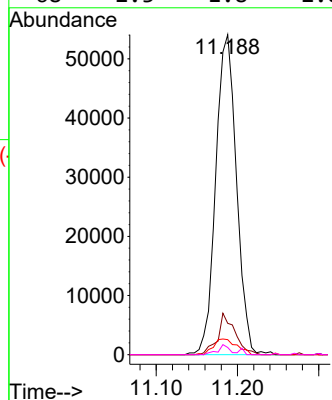
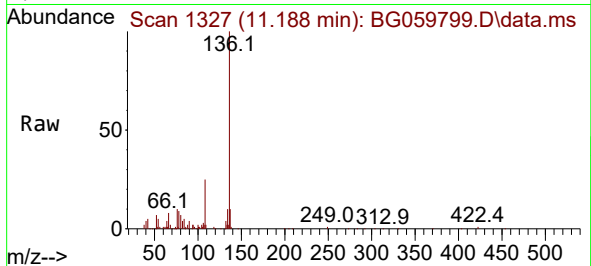




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.188 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

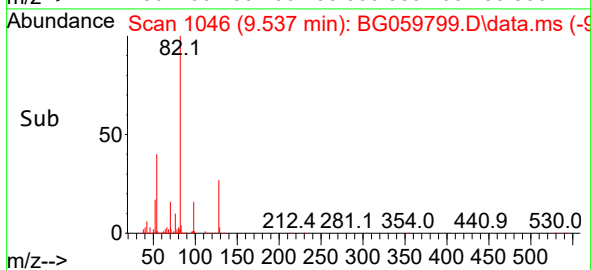
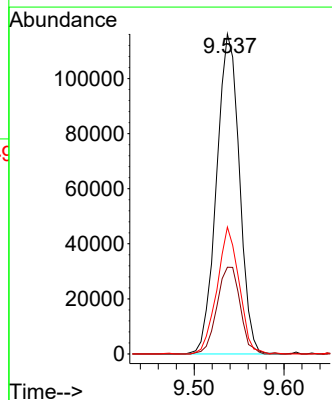
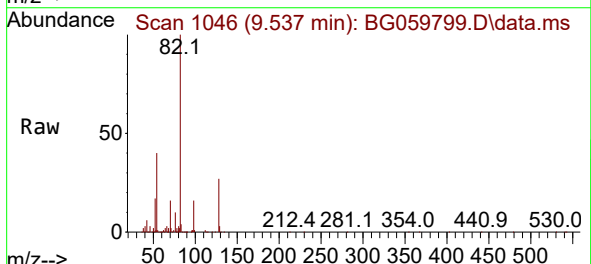
Instrument :
BNA_G
ClientSampleId :
PB156940TB

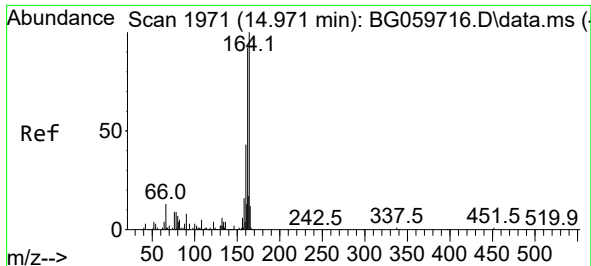
Tgt Ion:	136	Resp:	95980
Ion Ratio	Lower	Upper	
136	100		
137	9.8	7.4	11.0
54	4.7	3.1	4.7#
68	2.3	1.8	2.8



#23
Nitrobenzene-d5
Concen: 81.666 ng
RT: 9.537 min Scan# 1046
Delta R.T. -0.005 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

Tgt Ion:	82	Resp:	205235
Ion Ratio	Lower	Upper	
82	100		
128	27.1	23.0	34.6
54	39.6	28.7	43.1

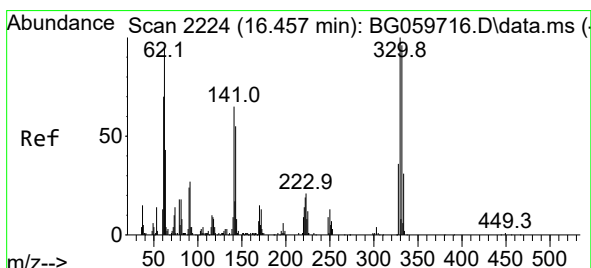
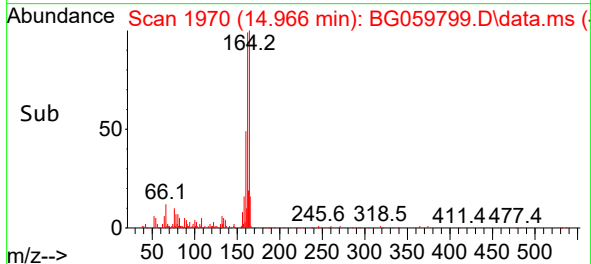
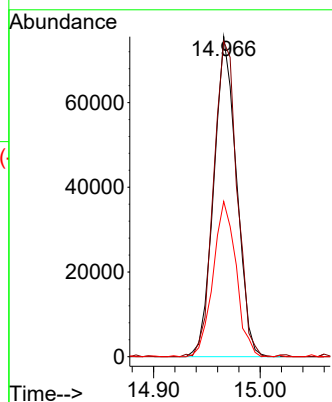
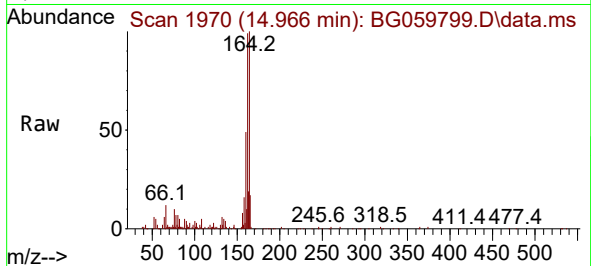




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.966 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

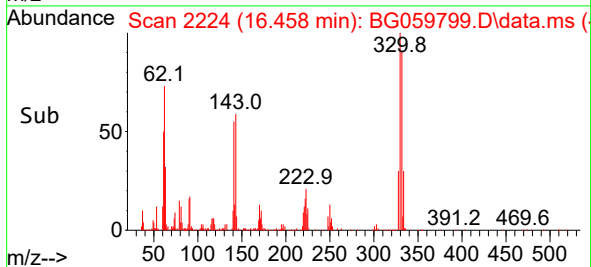
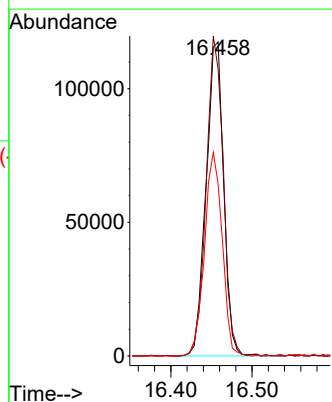
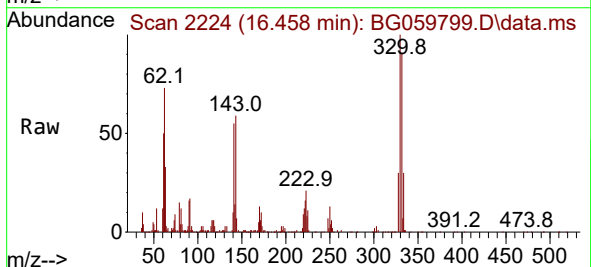
Instrument :
BNA_G
ClientSampleId :
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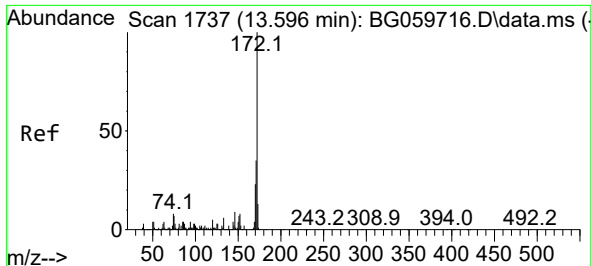
Tgt Ion:164 Resp: 111786
Ion Ratio Lower Upper
164 100
162 98.6 73.3 109.9
160 48.5 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 139.392 ng
RT: 16.458 min Scan# 2224
Delta R.T. 0.001 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

Tgt Ion:330 Resp: 176798
Ion Ratio Lower Upper
330 100
332 98.6 73.3 109.9
141 64.9 52.1 78.1

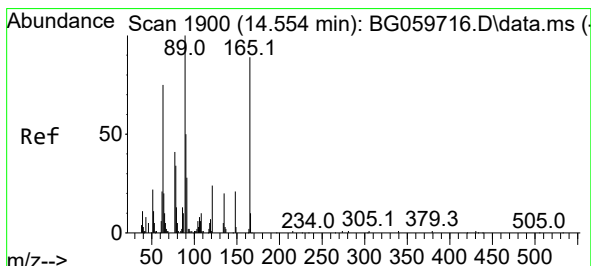
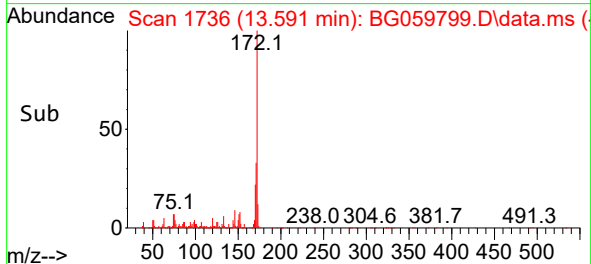
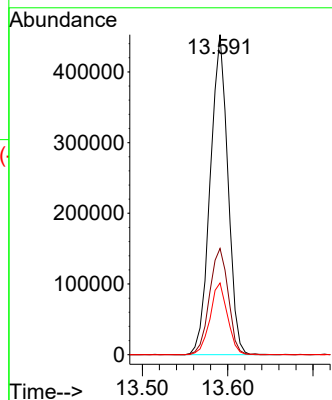
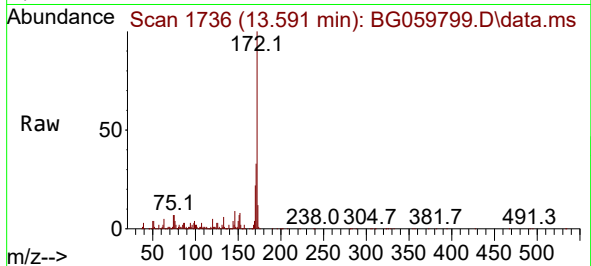




#45
2-Fluorobiphenyl
Concen: 78.177 ng
RT: 13.591 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

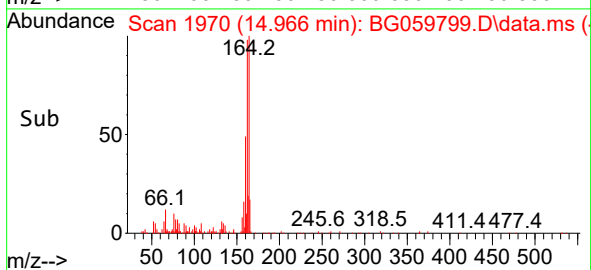
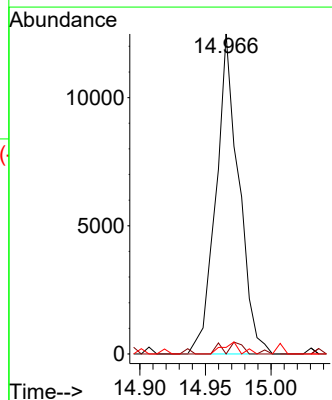
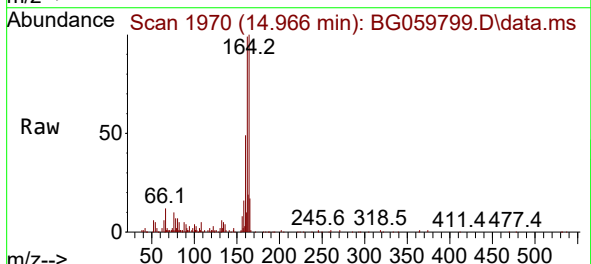
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ClientSampleId :
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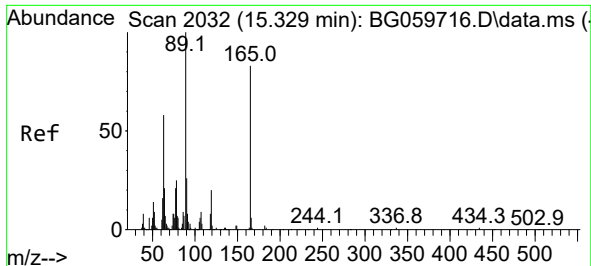
Tgt Ion:172 Resp: 649242
Ion Ratio Lower Upper
172 100
171 33.2 27.7 41.5
170 22.4 18.4 27.6



#51
2,6-Dinitrotoluene
Concen: 9.176 ng
RT: 14.966 min Scan# 1970
Delta R.T. 0.412 min
Lab File: BG059799.D
Acq: 21 Nov 2023 19:43

Tgt Ion:165 Resp: 15080
Ion Ratio Lower Upper
165 100
63 0.0 75.3 112.9#
89 2.1 90.9 136.3#





#57

2,4-Dinitrotoluene

Concen: 5.967 ng

RT: 14.966 min Scan# 1970

Delta R.T. -0.364 min

Lab File: BG059799.D

Acq: 21 Nov 2023 19:43

Instrument :

BNA_G

ClientSampleId :

PB156940TB

Tgt Ion:165 Resp: 15080

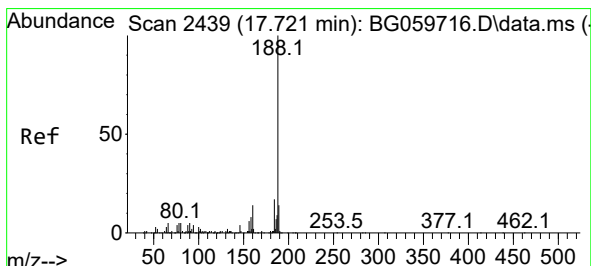
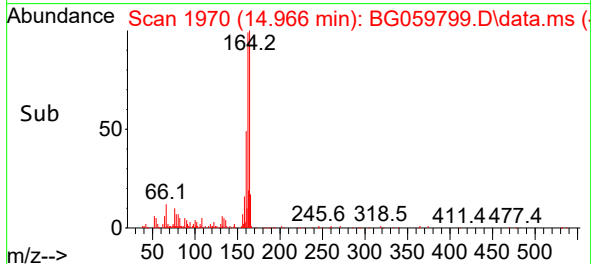
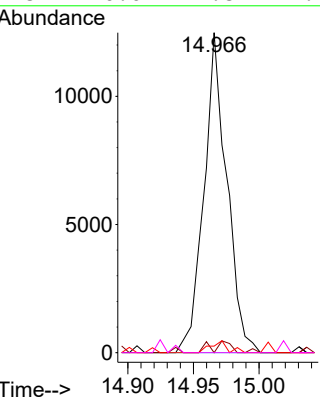
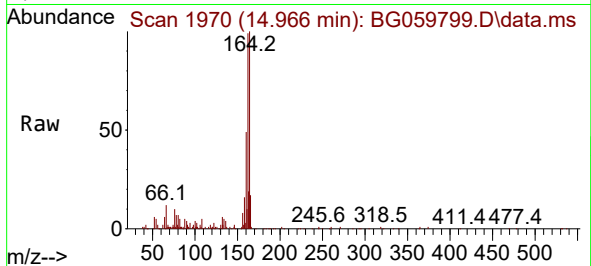
Ion Ratio Lower Upper

165 100

63 0.0 55.8 83.8#

89 2.1 96.9 145.3#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.716 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BG059799.D

Acq: 21 Nov 2023 19:43

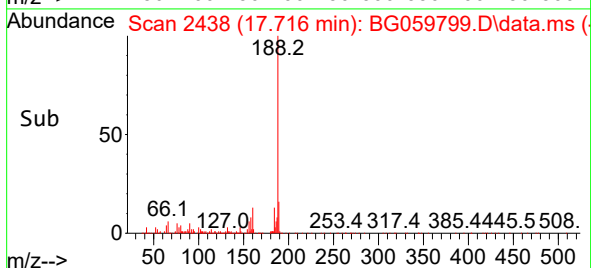
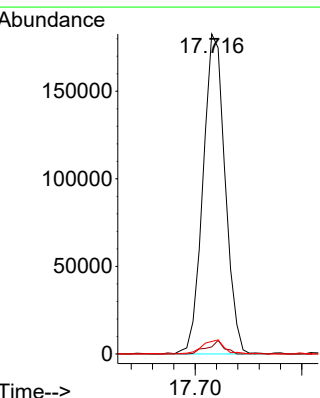
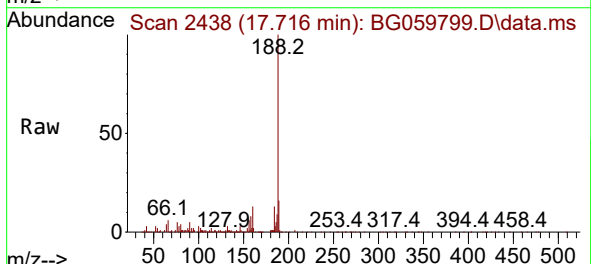
Tgt Ion:188 Resp: 262548

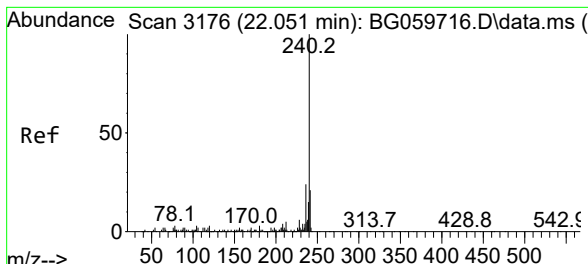
Ion Ratio Lower Upper

188 100

94 2.2 3.0 4.4#

80 3.9 4.2 6.4#



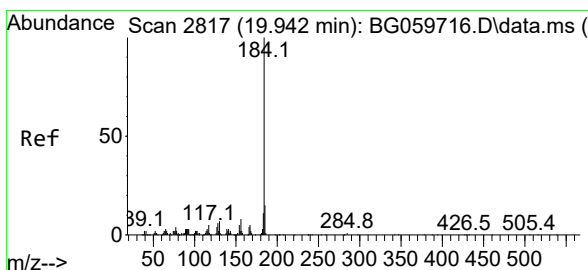
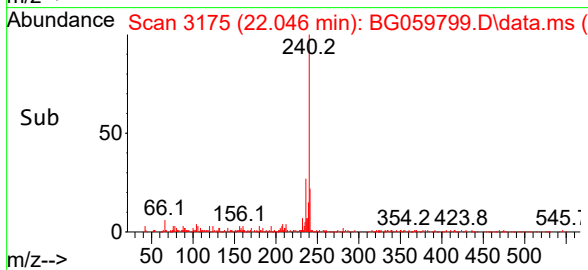
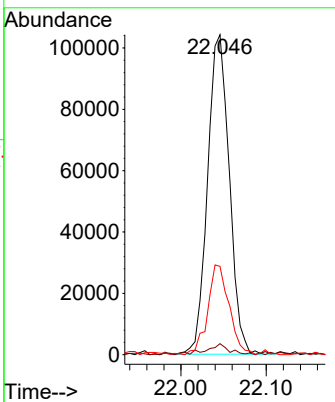
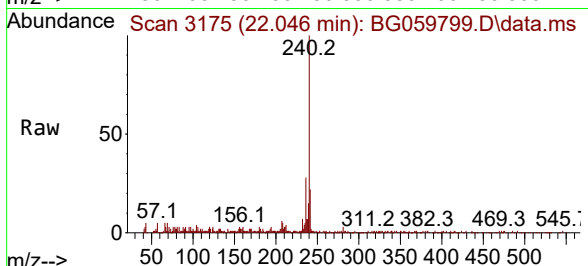


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.046 min Scan# 3175
 Delta R.T. -0.005 min
 Lab File: BG059799.D
 Acq: 21 Nov 2023 19:43

Instrument :
 BNA_G
 ClientSampleId :
 PB156940TB

Tgt Ion: 240 Resp: 184312

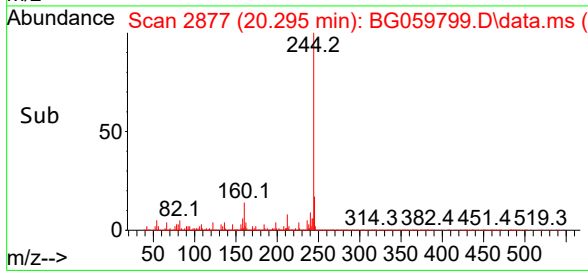
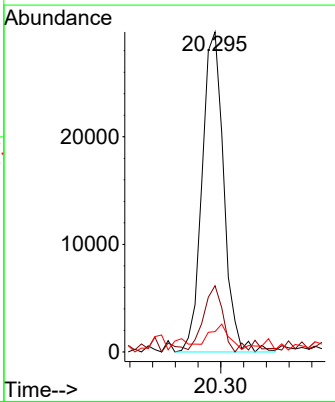
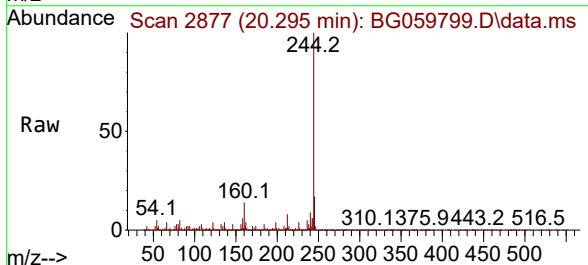
Ion	Ratio	Lower	Upper
240	100		
120	3.5	2.2	3.2#
236	27.6	19.4	29.2

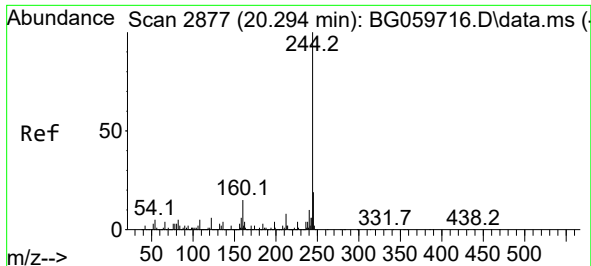


#77
 Benzidine
 Concen: 9.395 ng
 RT: 20.295 min Scan# 2877
 Delta R.T. 0.353 min
 Lab File: BG059799.D
 Acq: 21 Nov 2023 19:43

Tgt Ion: 184 Resp: 39264

Ion	Ratio	Lower	Upper
184	100		
185	20.7	12.2	18.2#
183	6.4	8.8	13.2#

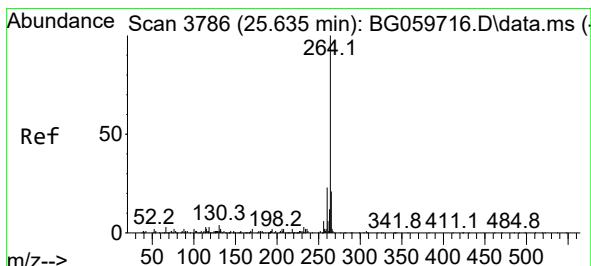
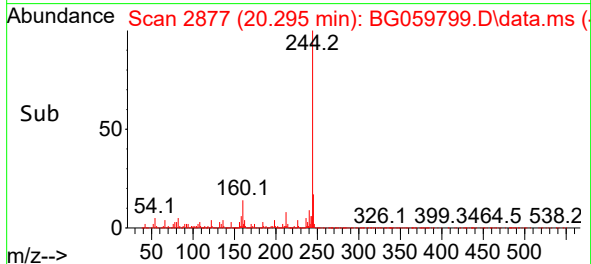
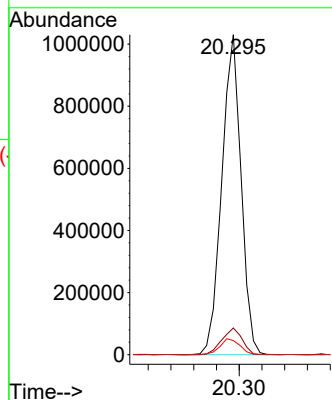
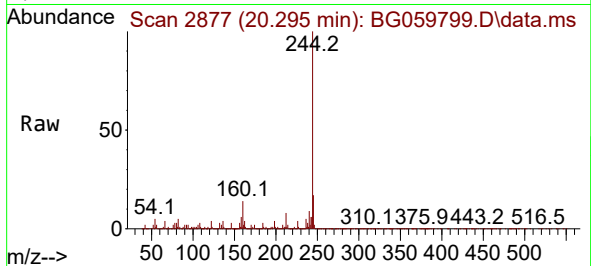




#79
 Terphenyl-d14
 Concen: 97.107 ng
 RT: 20.295 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG059799.D
 Acq: 21 Nov 2023 19:43

Instrument :
 BNA_G
 ClientSampleId :
 PB156940TB

Tgt Ion:244 Resp: 1212393
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.6 10.0
 122 4.4 4.4 6.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.642 min Scan# 3787
 Delta R.T. 0.007 min
 Lab File: BG059799.D
 Acq: 21 Nov 2023 19:43

Tgt Ion:264 Resp: 228393
 Ion Ratio Lower Upper
 264 100
 260 21.3 18.5 27.7
 265 19.0 17.0 25.6

