

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112123\
 Data File : BG059802.D
 Acq On : 21 Nov 2023 21:45
 Operator : MA/JU
 Sample : 05376-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 210

Quant Time: Nov 22 00:34:18 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

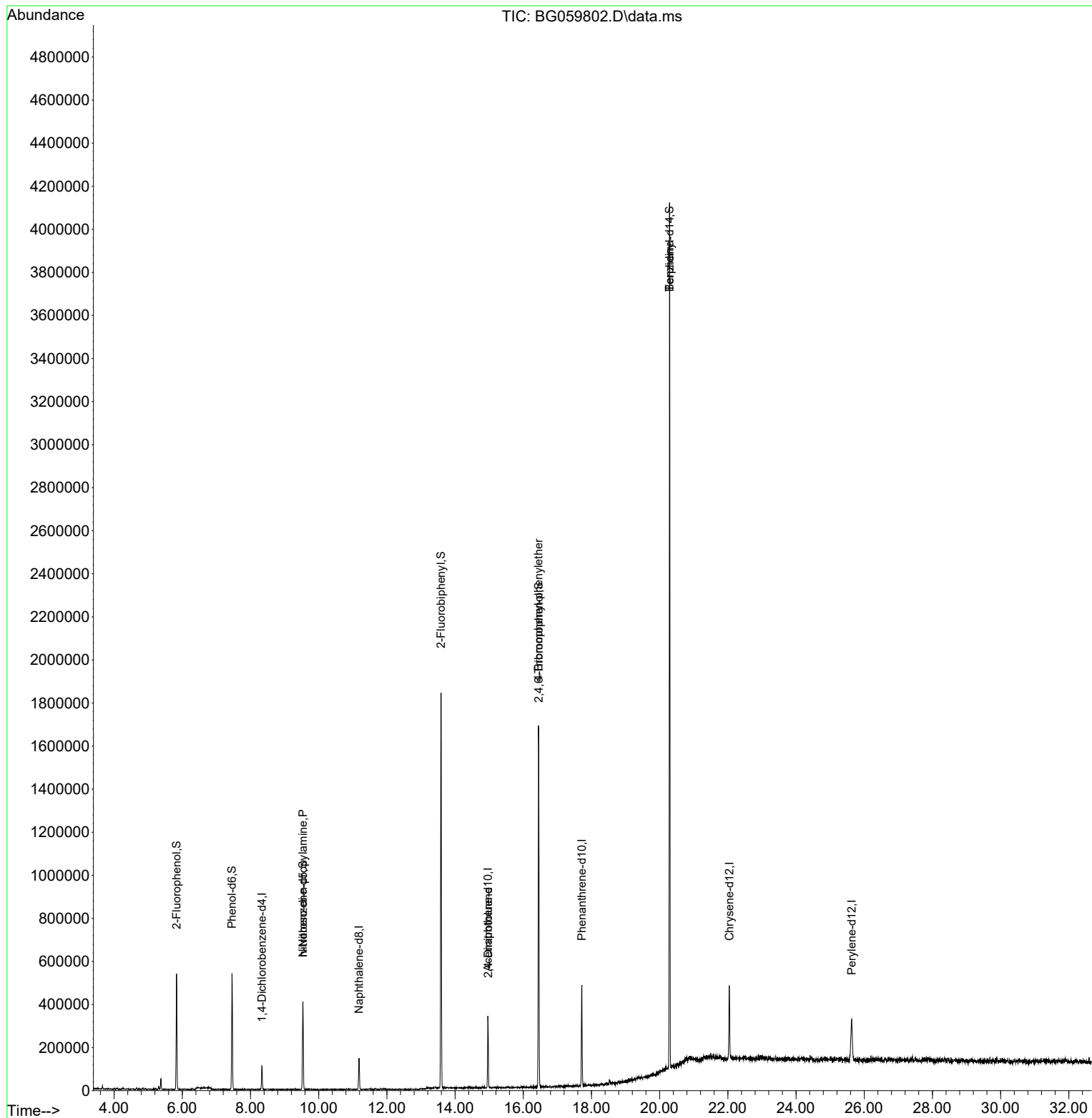
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.341	152	24401	20.000	ng	0.00
21) Naphthalene-d8	11.185	136	99382	20.000	ng	# 0.00
39) Acenaphthene-d10	14.963	164	102987	20.000	ng	# 0.00
64) Phenanthrene-d10	17.718	188	248681	20.000	ng	0.00
76) Chrysene-d12	22.043	240	193015	20.000	ng	# 0.00
86) Perylene-d12	25.632	264	217849	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.832	112	174300	120.229	ng	0.00
7) Phenol-d6	7.460	99	232606	108.271	ng	0.00
23) Nitrobenzene-d5	9.540	82	247718	95.197	ng	0.00
42) 2,4,6-Tribromophenol	16.455	330	230172	196.978	ng	0.00
45) 2-Fluorobiphenyl	13.588	172	793215	103.674	ng	0.00
79) Terphenyl-d14	20.292	244	1626981	124.437	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.540	70	41487	24.522	ng	# 85
57) 2,4-Dinitrotoluene	14.969	165	10979	4.715	ng	# 9
67) 4-Bromophenyl-phenylether	16.449	248	17333	6.488	ng	# 1
77) Benzidine	20.292	184	51119	11.680	ng	# 93

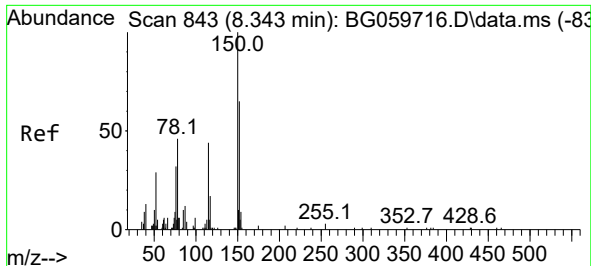
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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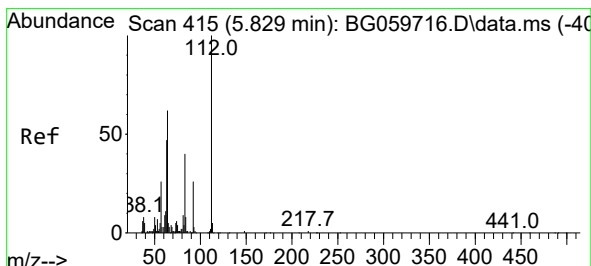
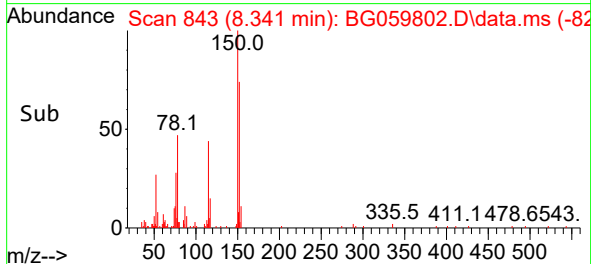
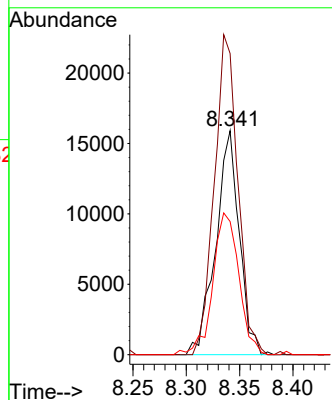
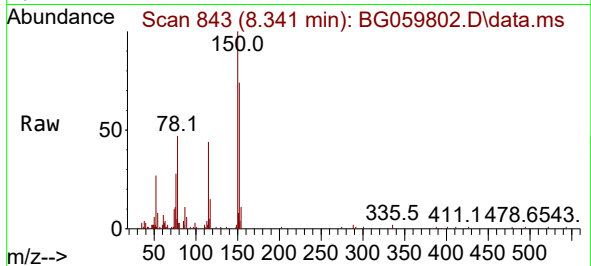




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.341 min Scan# 84
Delta R.T. -0.002 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

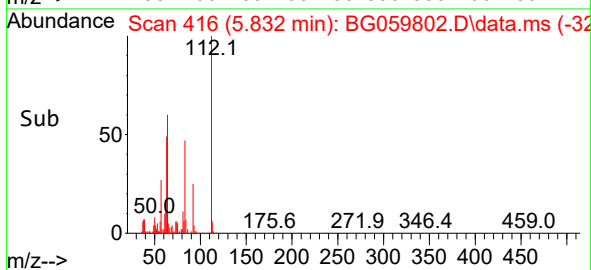
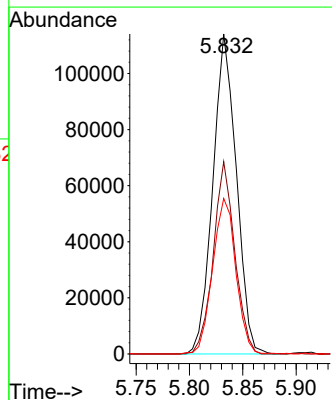
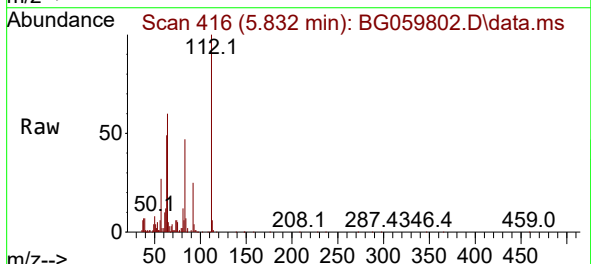
Instrument :
BNA_G
ClientSampleId :
210

Tgt Ion:152 Resp: 24401
Ion Ratio Lower Upper
152 100
150 134.4 122.2 183.4
115 59.4 54.2 81.4



#5
2-Fluorophenol
Concen: 120.229 ng
RT: 5.832 min Scan# 416
Delta R.T. 0.003 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

Tgt Ion:112 Resp: 174300
Ion Ratio Lower Upper
112 100
64 60.1 49.5 74.3
63 48.6 37.4 56.2

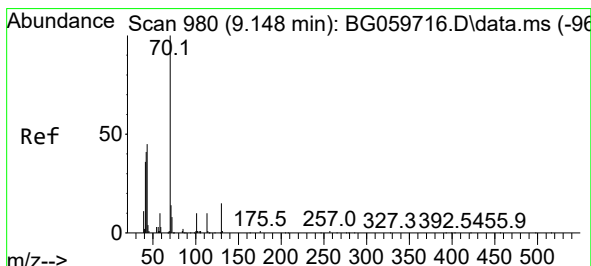
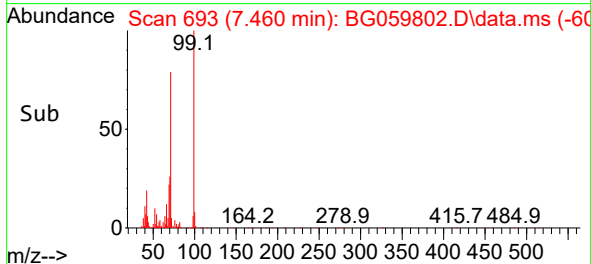
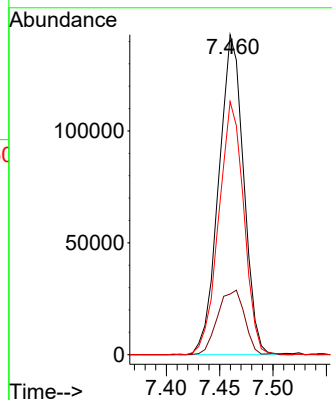
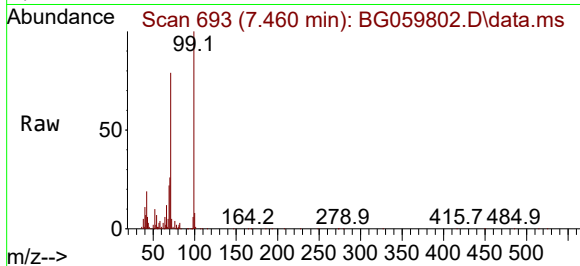




#7
Phenol-d6
Concen: 108.271 ng
RT: 7.460 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

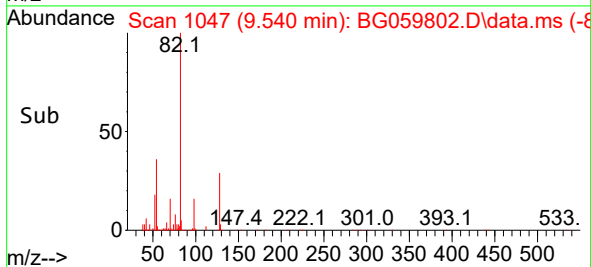
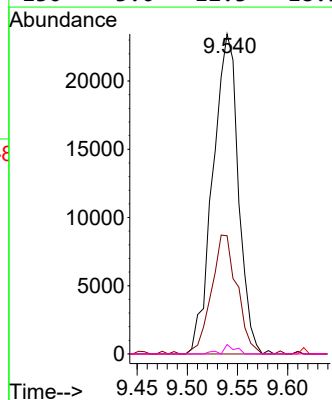
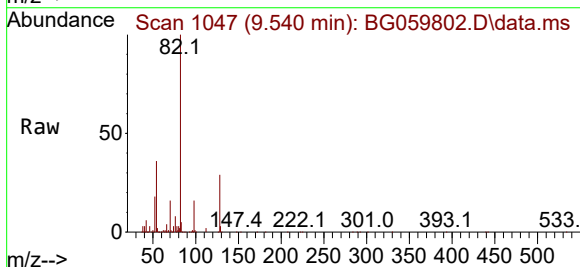
Instrument :
BNA_G
ClientSampleId :
210

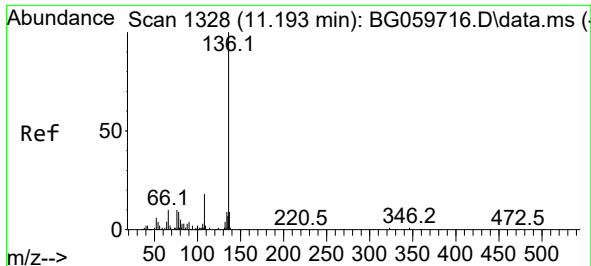
Tgt Ion: 99 Resp: 232606
Ion Ratio Lower Upper
99 100
42 19.0 14.3 21.5
71 79.1 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 24.522 ng
RT: 9.540 min Scan# 1047
Delta R.T. 0.391 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

Tgt Ion: 70 Resp: 41487
Ion Ratio Lower Upper
70 100
42 36.9 32.8 49.2
101 0.0 7.7 11.5#
130 3.0 12.3 18.5#

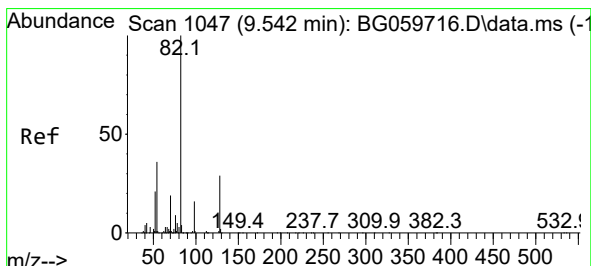
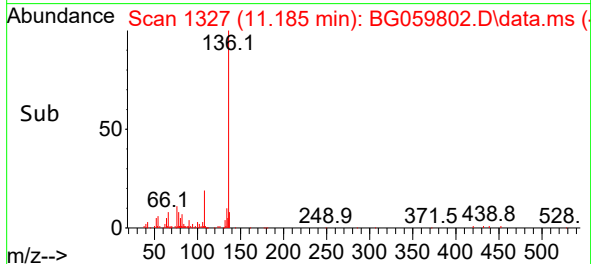
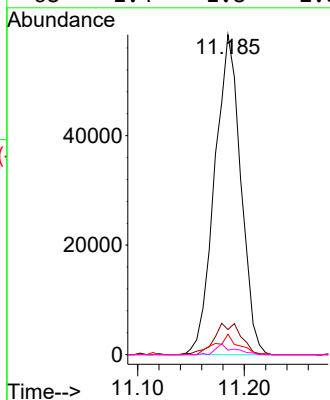
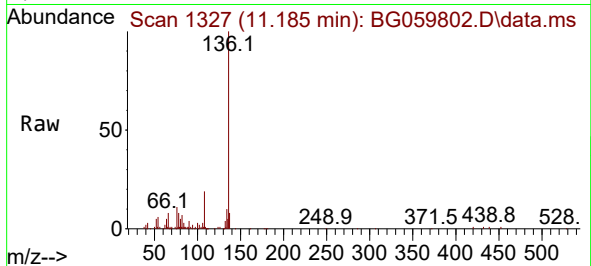




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.185 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

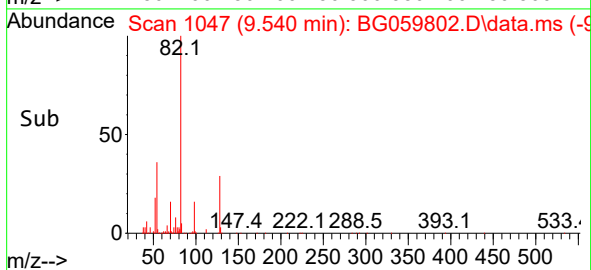
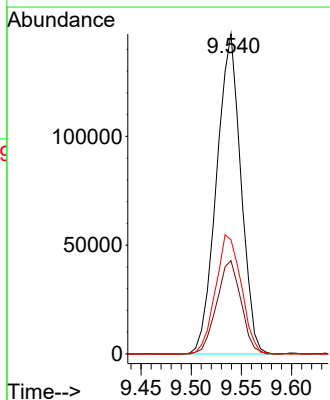
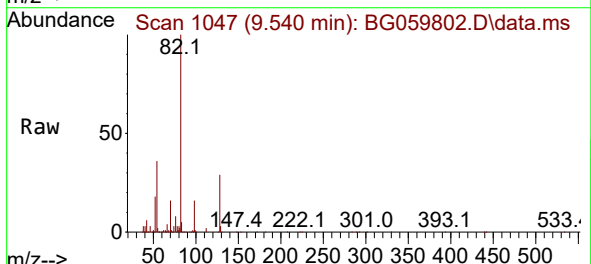
Instrument :
BNA_G
ClientSampleId :
210

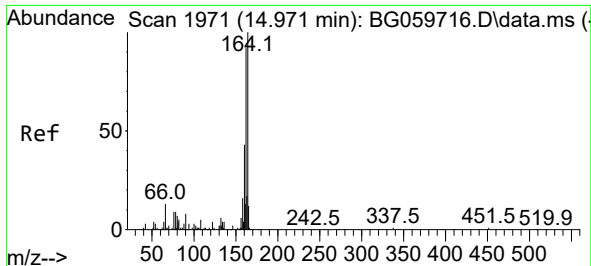
Tgt Ion:	136	Resp:	99382
Ion Ratio	Lower	Upper	
136	100		
137	7.8	7.4	11.0
54	6.4	3.1	4.7#
68	1.4	1.8	2.8#



#23
Nitrobenzene-d5
Concen: 95.197 ng
RT: 9.540 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

Tgt Ion:	82	Resp:	247718
Ion Ratio	Lower	Upper	
82	100		
128	29.2	23.0	34.6
54	35.7	28.7	43.1

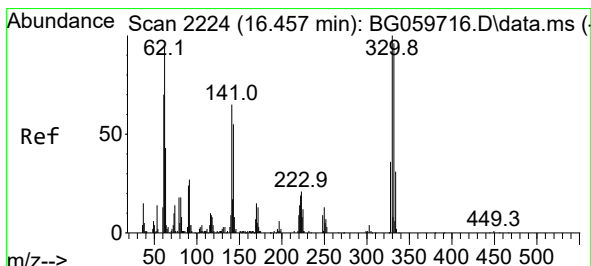
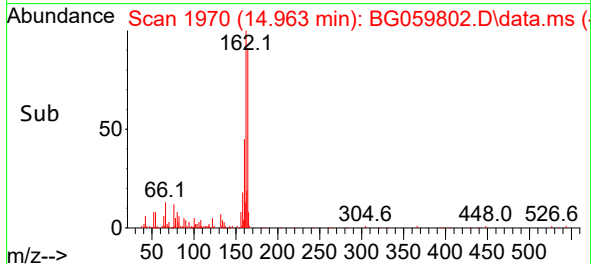
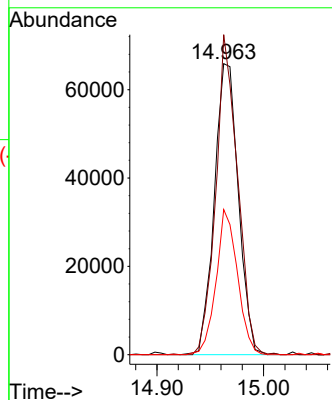
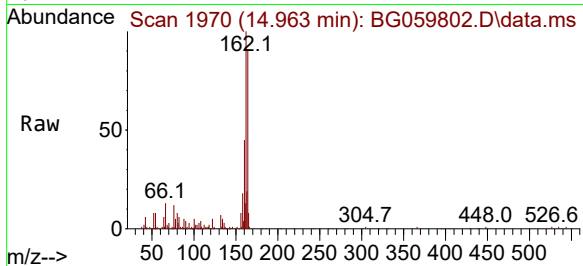




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.963 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

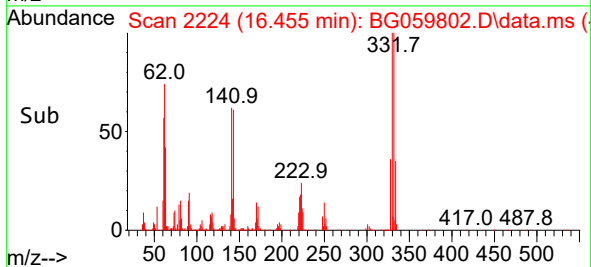
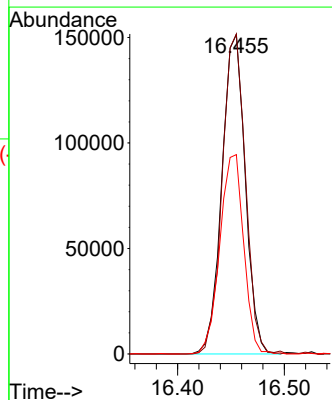
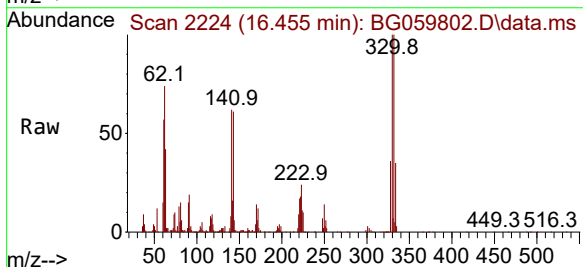
Instrument :
BNA_G
ClientSampleId :
210

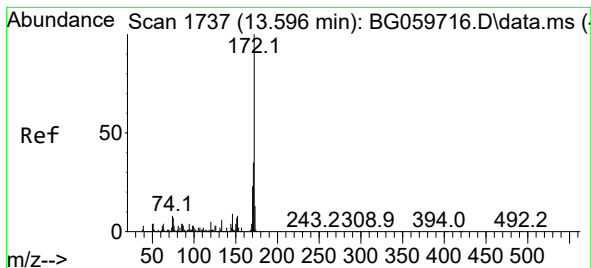
Tgt Ion:164 Resp: 102987
Ion Ratio Lower Upper
164 100
162 110.0 73.3 109.9#
160 49.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 196.978 ng
RT: 16.455 min Scan# 2224
Delta R.T. -0.002 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

Tgt Ion:330 Resp: 230172
Ion Ratio Lower Upper
330 100
332 99.5 73.3 109.9
141 63.7 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 103.674 ng

RT: 13.588 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

Instrument :

BNA_G

ClientSampleId :

210

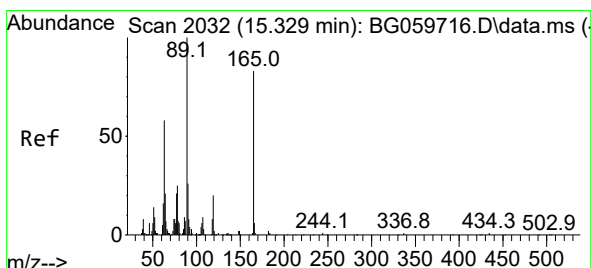
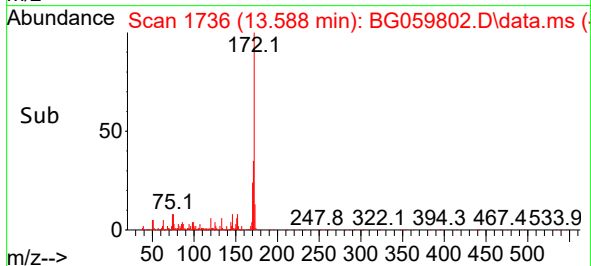
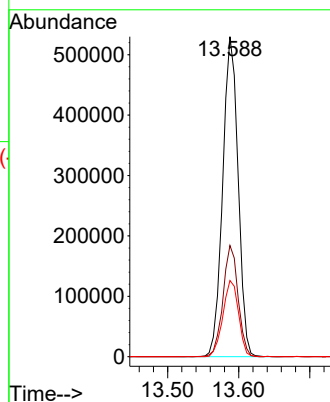
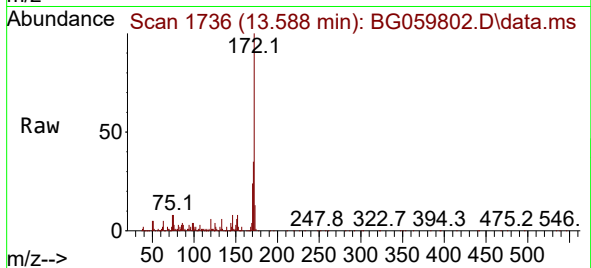
Tgt Ion:172 Resp: 793215

Ion Ratio Lower Upper

172 100

171 34.8 27.7 41.5

170 23.8 18.4 27.6



#57

2,4-Dinitrotoluene

Concen: 4.715 ng

RT: 14.969 min Scan# 1971

Delta R.T. -0.361 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

Tgt Ion:165 Resp: 10979

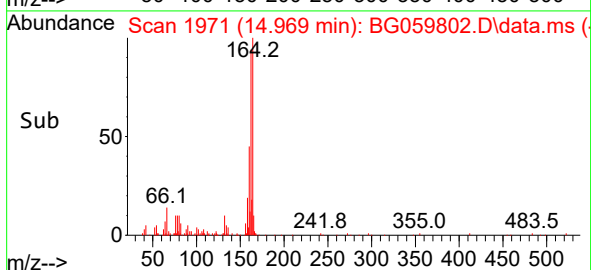
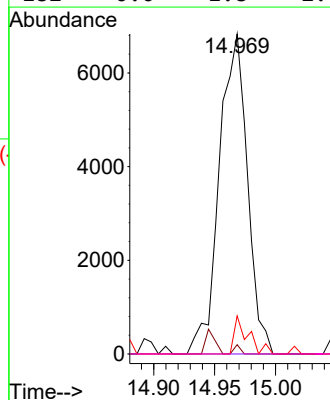
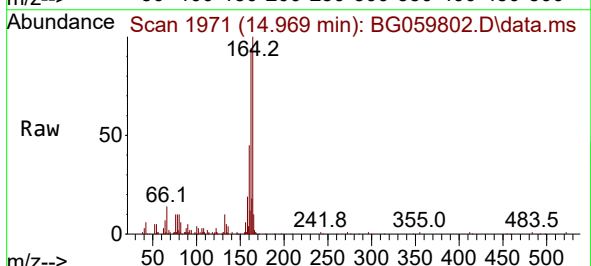
Ion Ratio Lower Upper

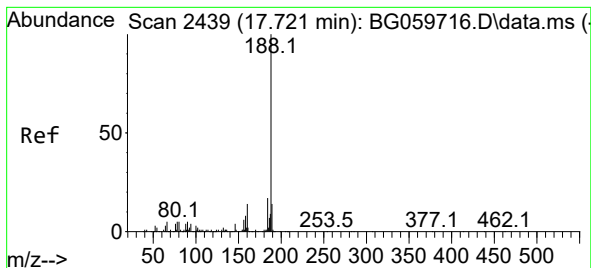
165 100

63 2.9 55.8 83.8#

89 11.9 96.9 145.3#

182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.718 min Scan# 2439

Delta R.T. -0.002 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

Instrument :

BNA_G

ClientSampleId :

210

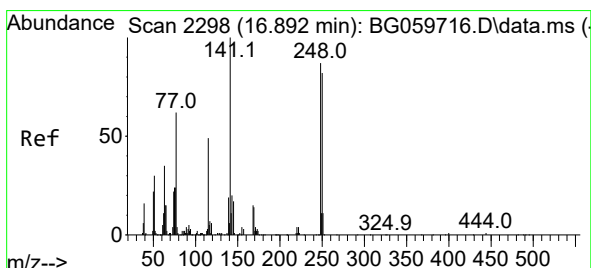
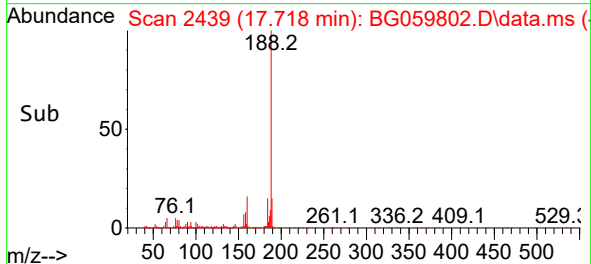
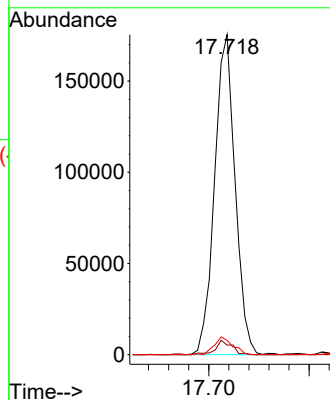
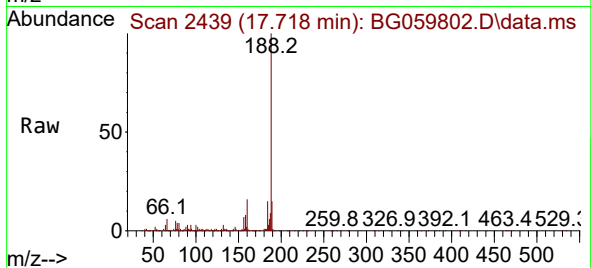
Tgt Ion:188 Resp: 248681

Ion Ratio Lower Upper

188 100

94 4.1 3.0 4.4

80 4.5 4.2 6.4



#67

4-Bromophenyl-phenylether

Concen: 6.488 ng

RT: 16.449 min Scan# 2223

Delta R.T. -0.443 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

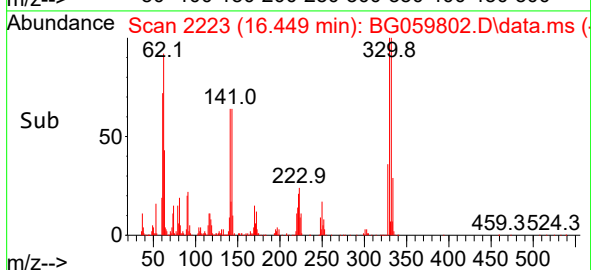
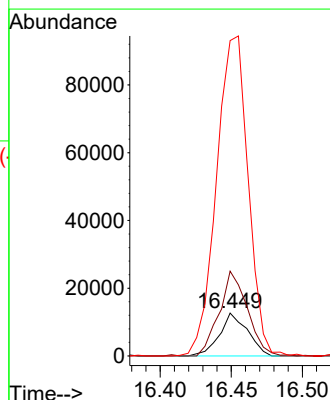
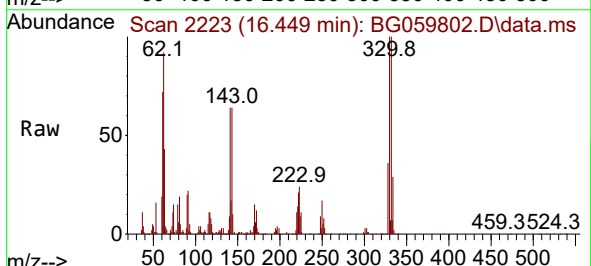
Tgt Ion:248 Resp: 17333

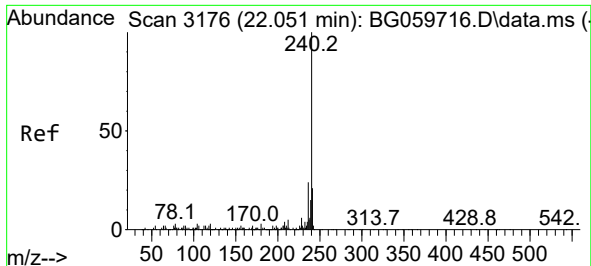
Ion Ratio Lower Upper

248 100

250 198.0 75.2 112.8#

141 736.5 91.5 137.3#

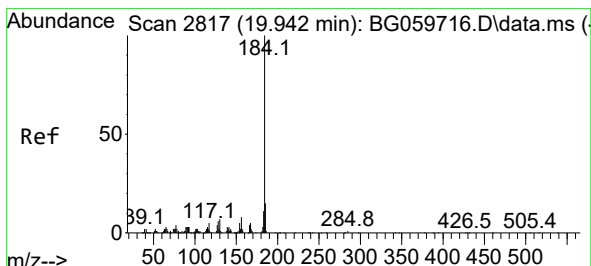
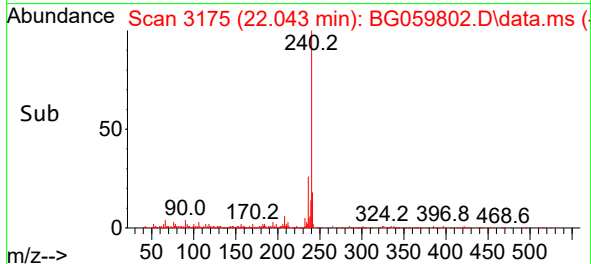
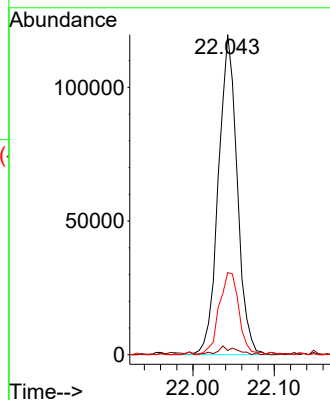
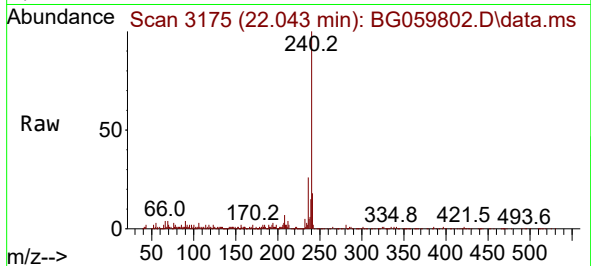




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.043 min Scan# 3175
Delta R.T. -0.008 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

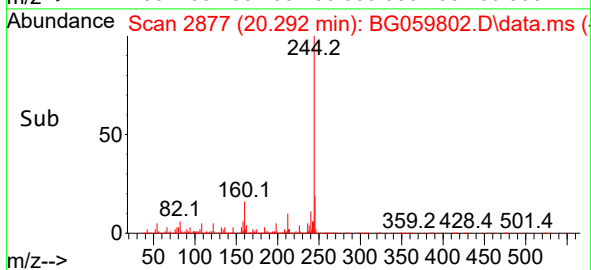
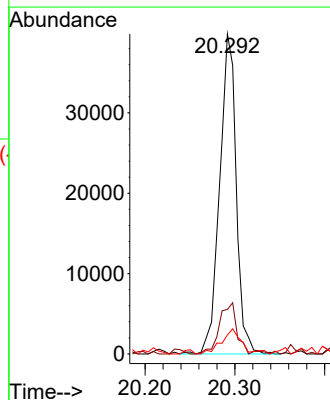
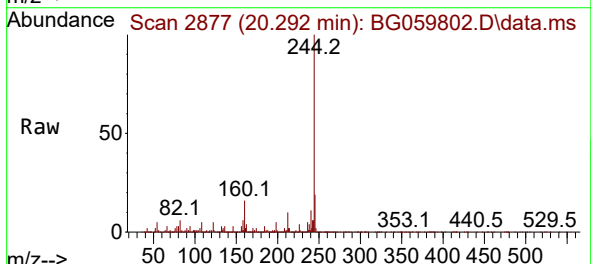
Instrument :
BNA_G
ClientSampleId :
210

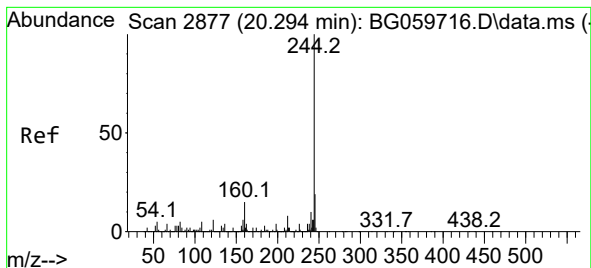
Tgt Ion:240 Resp: 193015
Ion Ratio Lower Upper
240 100
120 1.3 2.2 3.2#
236 25.7 19.4 29.2



#77
Benzidine
Concen: 11.680 ng
RT: 20.292 min Scan# 2877
Delta R.T. 0.350 min
Lab File: BG059802.D
Acq: 21 Nov 2023 21:45

Tgt Ion:184 Resp: 51119
Ion Ratio Lower Upper
184 100
185 13.9 12.2 18.2
183 5.9 8.8 13.2#





#79

Terphenyl-d14

Concen: 124.437 ng

RT: 20.292 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

Instrument :

BNA_G

ClientSampleId :

210

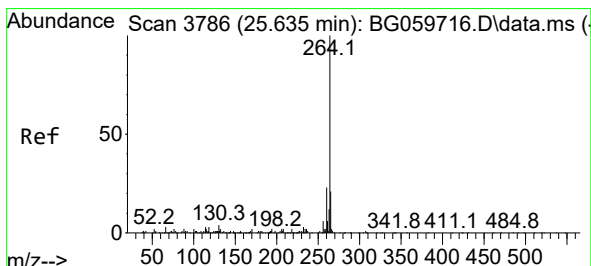
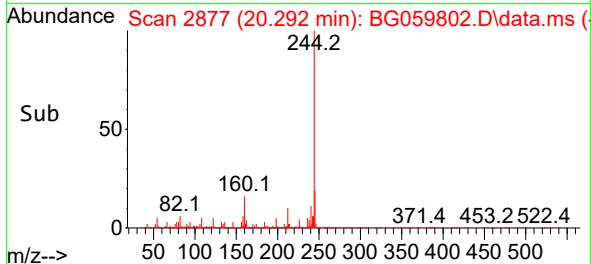
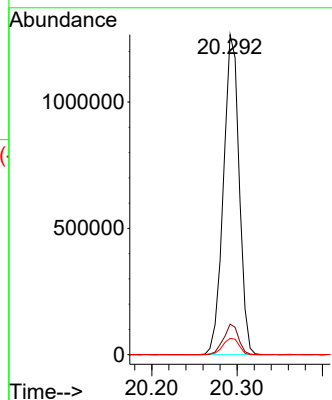
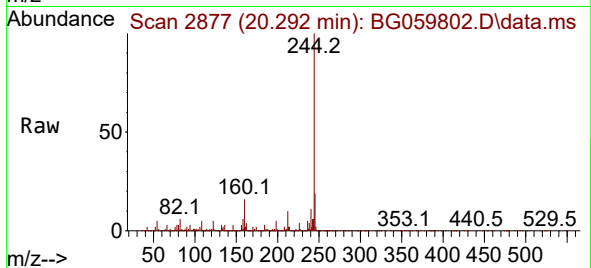
Tgt Ion:244 Resp: 1626981

Ion Ratio Lower Upper

244 100

212 9.5 6.6 10.0

122 5.1 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.632 min Scan# 3786

Delta R.T. -0.002 min

Lab File: BG059802.D

Acq: 21 Nov 2023 21:45

Tgt Ion:264 Resp: 217849

Ion Ratio Lower Upper

264 100

260 27.1 18.5 27.7

265 23.5 17.0 25.6

