

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010424\
 Data File : BG060253.D
 Acq On : 4 Jan 2024 20:22
 Operator : MA/JU
 Sample : 06017-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB32-2-20231222-16.0-17.0

Quant Time: Jan 05 01:46:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 30 03:14:04 2023
 Response via : Initial Calibration

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

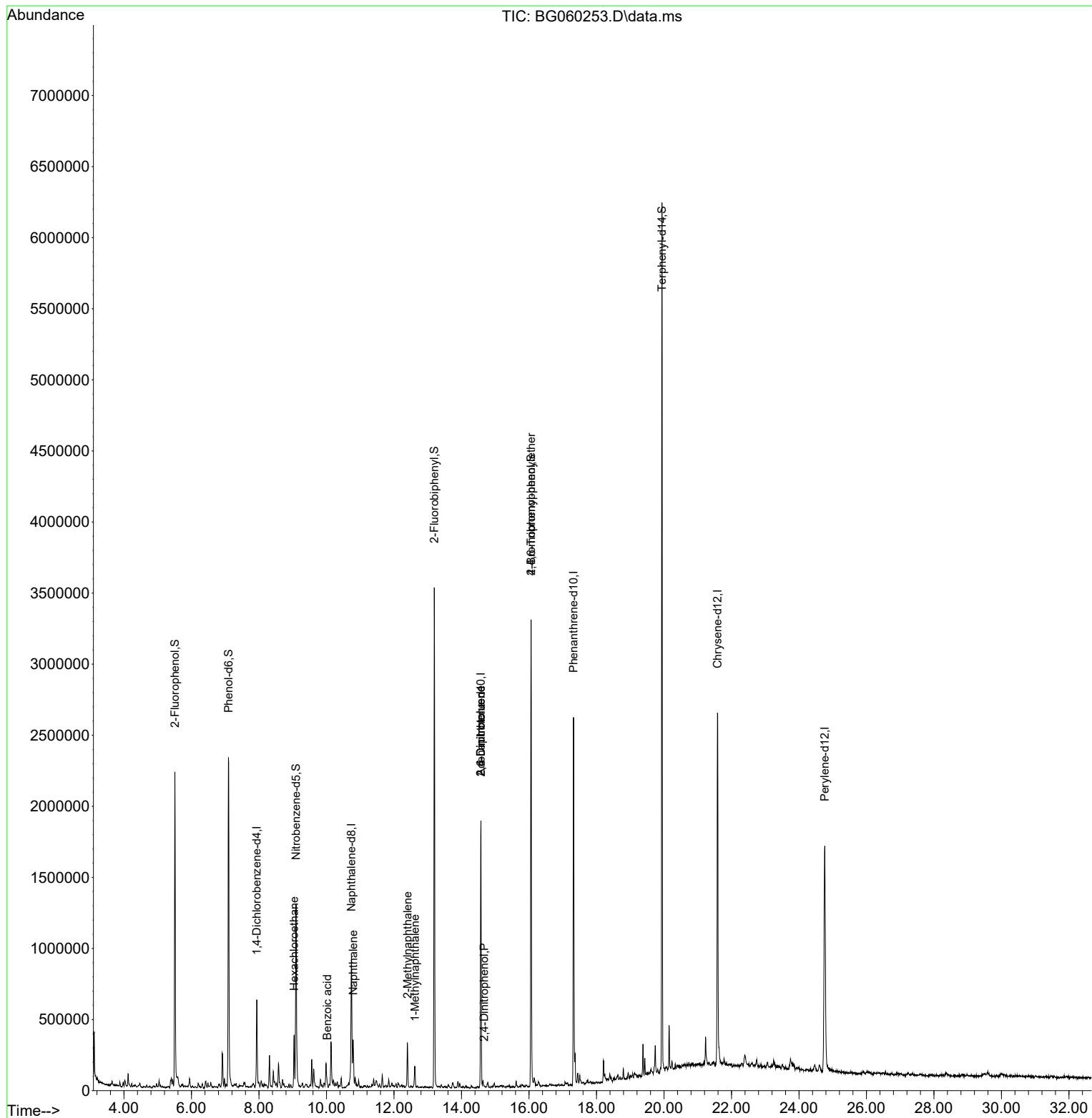
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	197311	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	812066	20.000	ng	0.00
39) Acenaphthene-d10	14.576	164	658661	20.000	ng	0.00
64) Phenanthrene-d10	17.320	188	1745036	20.000	ng	0.00
76) Chrysene-d12	21.585	240	1540022	20.000	ng	0.00
86) Perylene-d12	24.764	264	1769133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1048850	80.232	ng	0.00
7) Phenol-d6	7.096	99	1581803	81.495	ng	0.00
23) Nitrobenzene-d5	9.100	82	886129	50.403	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	690404	78.305	ng	0.00
45) 2-Fluorobiphenyl	13.195	172	1967757	42.937	ng	0.00
79) Terphenyl-d14	19.940	244	3138013	39.174	ng	0.00
Target Compounds						
					Qvalue	
18) Hexachloroethane	9.041	117	36994	7.492	ng	# 1
31) Naphthalene	10.792	128	220020	5.132	ng	98
32) Benzoic acid	10.028	122	186	10.289	ng	# 1
37) 2-Methylnaphthalene	12.402	142	159080	5.137	ng	94
38) 1-Methylnaphthalene	12.619	142	78303	2.501	ng	88
51) 2,6-Dinitrotoluene	14.576	165	90659	8.571	ng	# 29
54) 2,4-Dinitrophenol	14.670	184	76	8.247	ng	# 1
57) 2,4-Dinitrotoluene	14.576	165	90659	6.303	ng	# 26
67) 4-Bromophenyl-phenylether	16.062	248	40322	2.179	ng	# 1

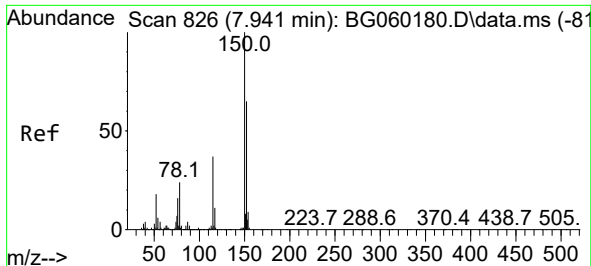
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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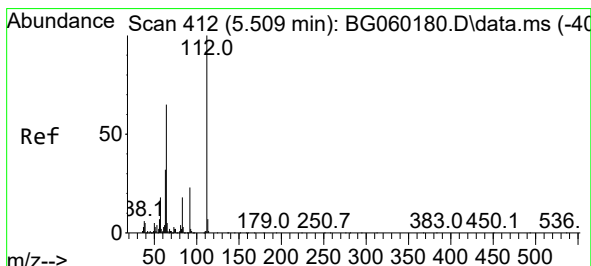
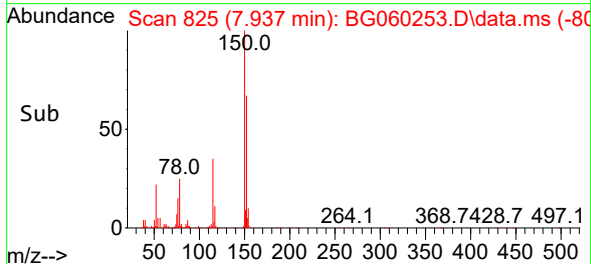
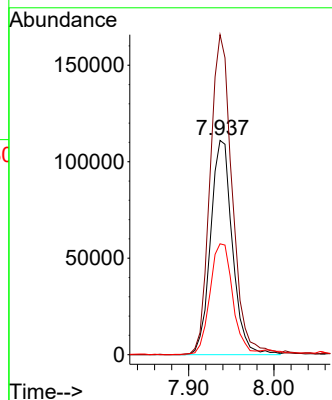
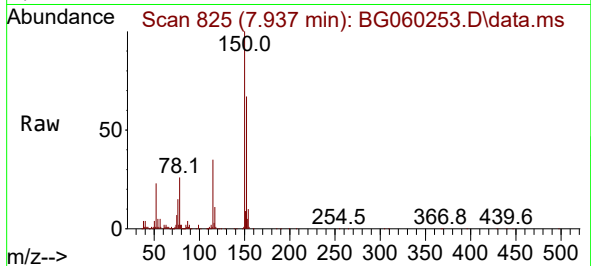




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

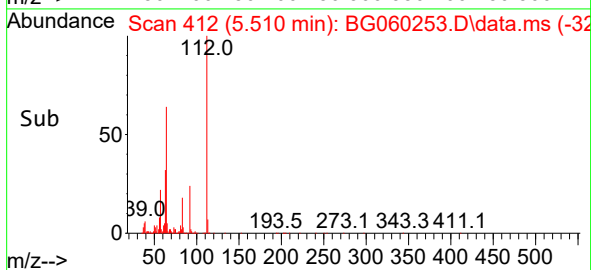
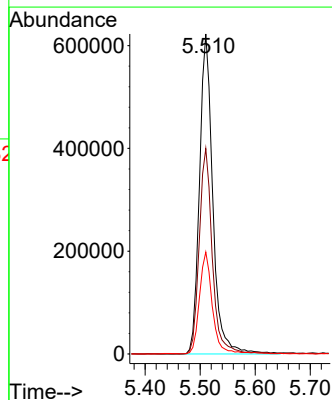
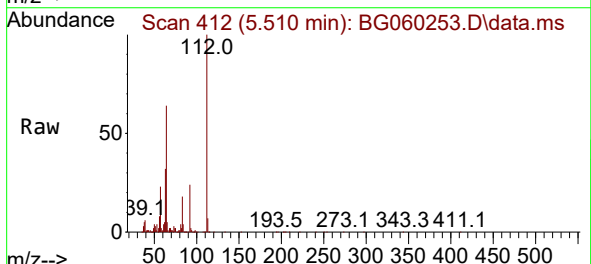
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

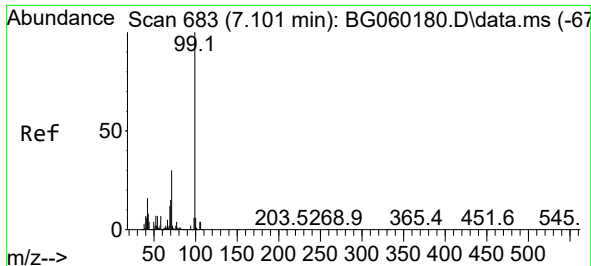
Tgt Ion:152 Resp: 197311
Ion Ratio Lower Upper
152 100
150 149.4 123.4 185.0
115 51.8 45.4 68.0



#5
2-Fluorophenol
Concen: 80.232 ng
RT: 5.510 min Scan# 412
Delta R.T. 0.001 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:112 Resp: 1048850
Ion Ratio Lower Upper
112 100
64 64.2 52.2 78.4
63 31.9 25.4 38.0

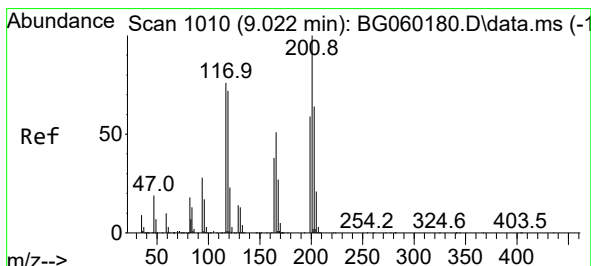
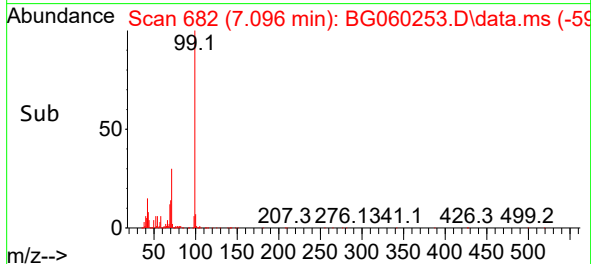
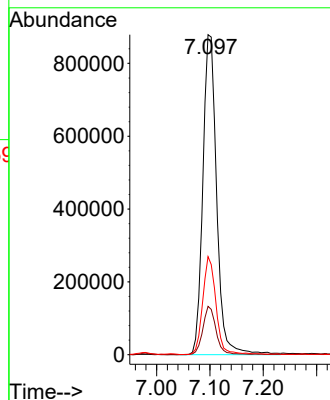
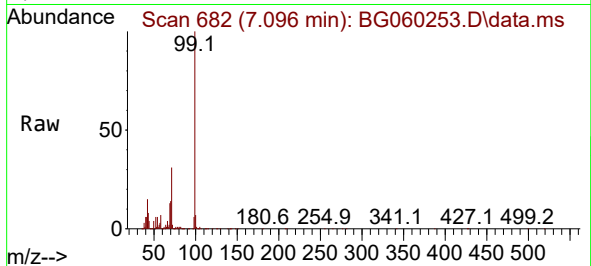




#7
Phenol-d6
Concen: 81.495 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

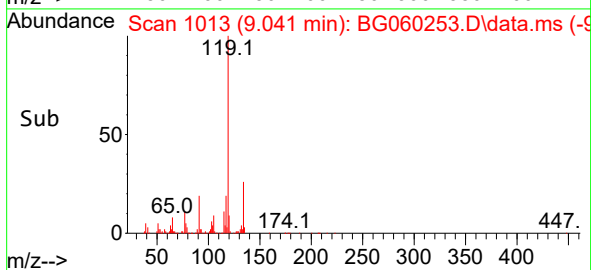
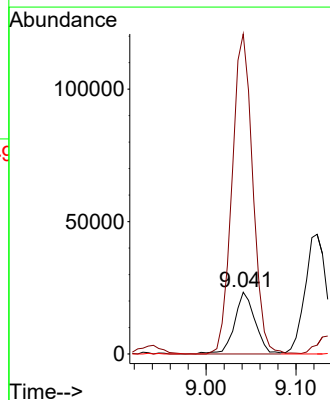
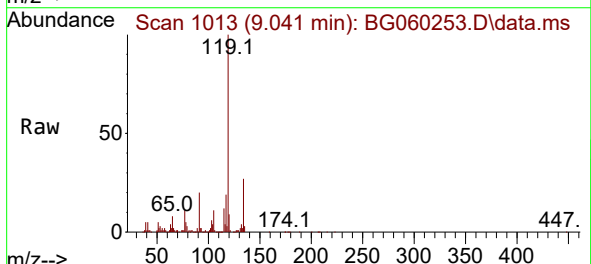
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

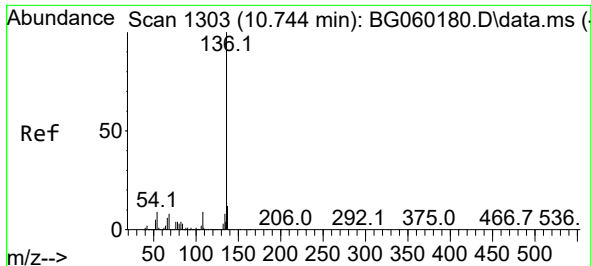
Tgt Ion: 99 Resp: 1581803
Ion Ratio Lower Upper
99 100
42 15.1 12.5 18.7
71 30.6 24.1 36.1



#18
Hexachloroethane
Concen: 7.492 ng
RT: 9.041 min Scan# 1013
Delta R.T. 0.019 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion: 117 Resp: 36994
Ion Ratio Lower Upper
117 100
119 517.6 76.0 114.0#
201 0.0 107.5 161.3#

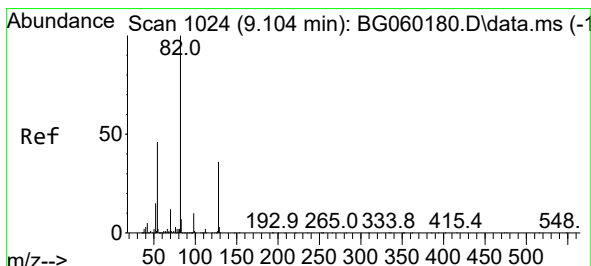
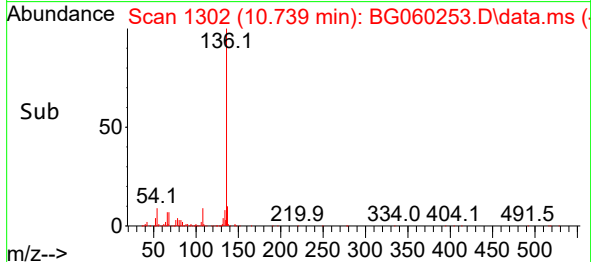
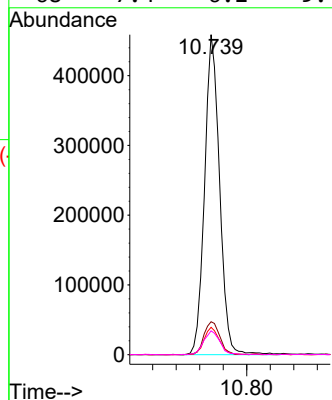
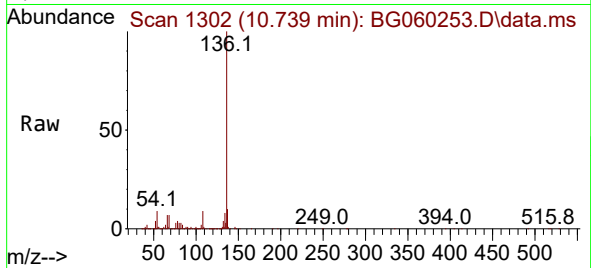




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

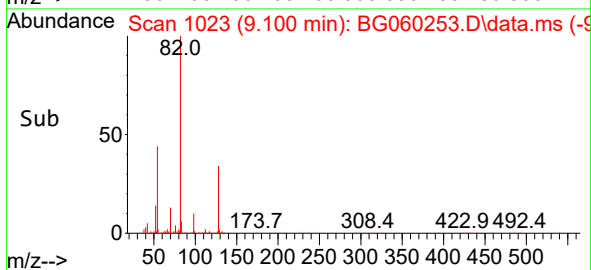
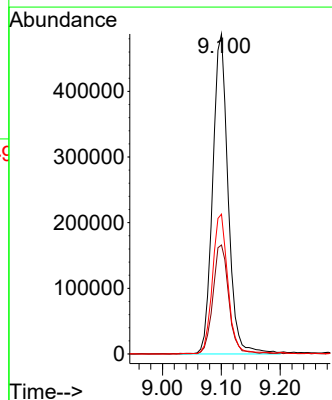
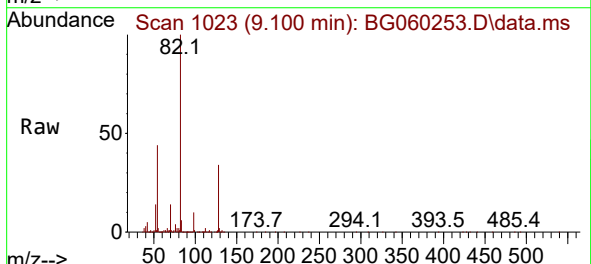
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

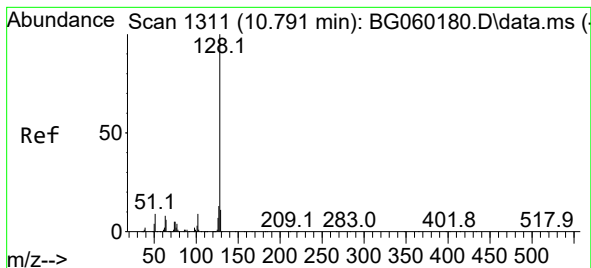
Tgt	Ion:136	Resp:	812066
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.4	14.0
54	8.6	7.4	11.2
68	7.4	6.2	9.4



#23
Nitrobenzene-d5
Concen: 50.403 ng
RT: 9.100 min Scan# 1023
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion: 82	Resp: 886129
Ion Ratio	Lower Upper
82 100	
128 34.0	28.7 43.1
54 43.7	36.9 55.3





#31

Naphthalene

Concen: 5.132 ng

RT: 10.792 min Scan# 1181

Delta R.T. 0.001 min

Lab File: BG060253.D

Acq: 4 Jan 2024 20:22

Instrument :

BNA_G

ClientSampleId :

SB32-2-20231222-16.0-17.0

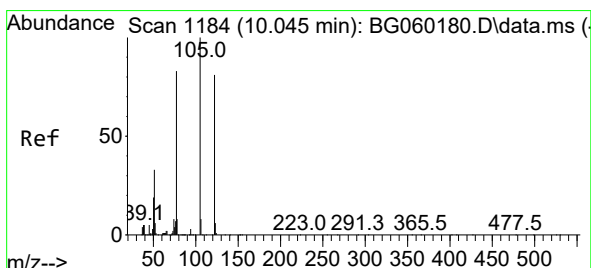
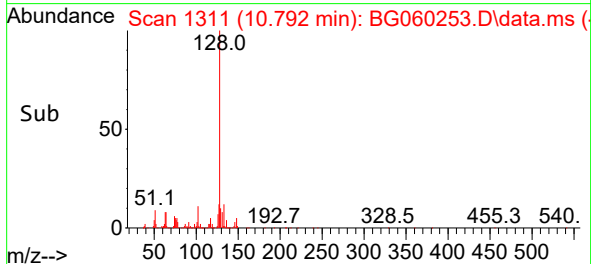
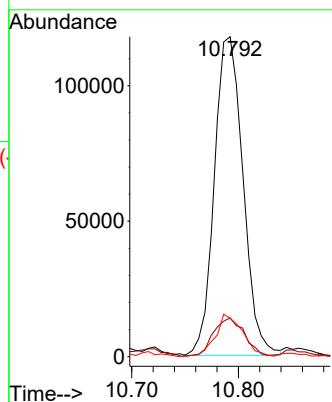
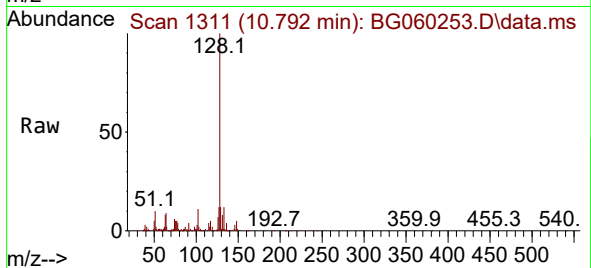
Tgt Ion:128 Resp: 220020

Ion Ratio Lower Upper

128 100

129 12.1 9.2 13.8

127 12.0 10.6 16.0



#32

Benzoic acid

Concen: 10.289 ng

RT: 10.028 min Scan# 1181

Delta R.T. -0.017 min

Lab File: BG060253.D

Acq: 4 Jan 2024 20:22

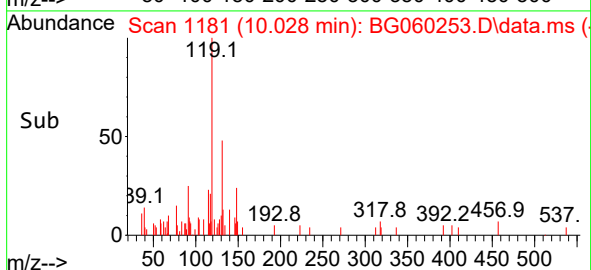
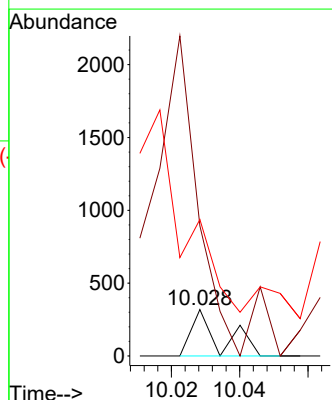
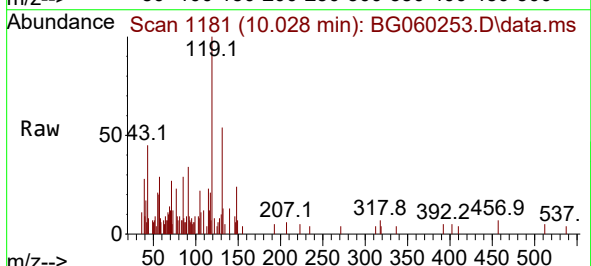
Tgt Ion:122 Resp: 186

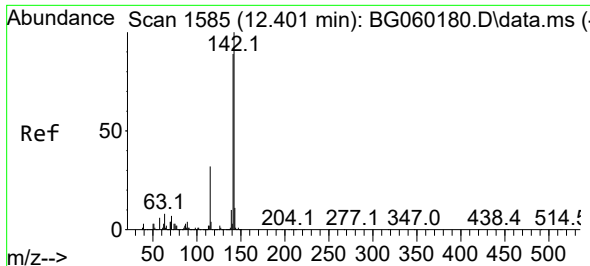
Ion Ratio Lower Upper

122 100

105 280.8 99.2 139.2#

77 294.7 81.0 121.0#

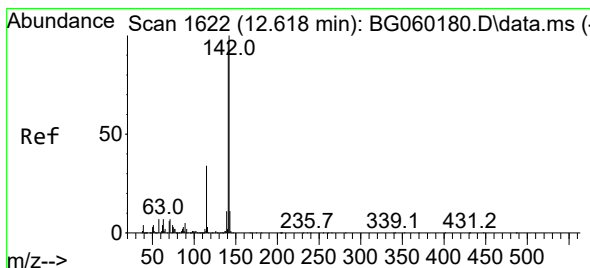
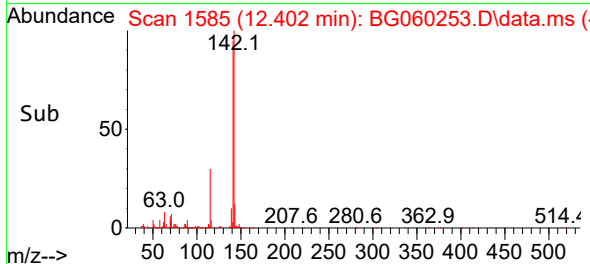
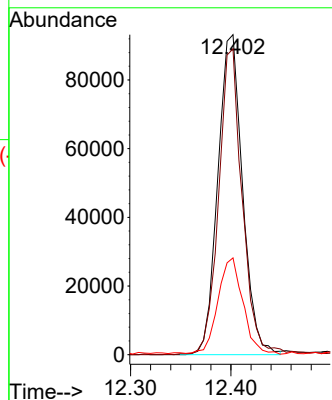
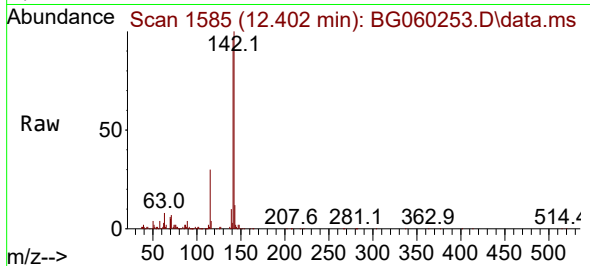




#37
2-Methylnaphthalene
Concen: 5.137 ng
RT: 12.402 min Scan# 1585
Delta R.T. 0.001 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

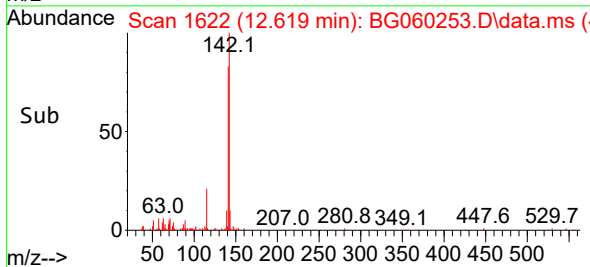
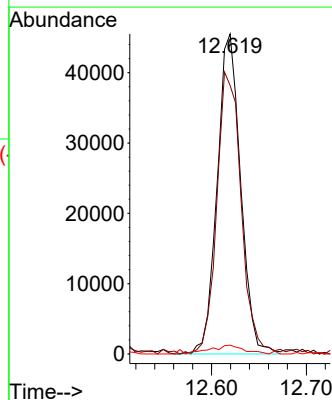
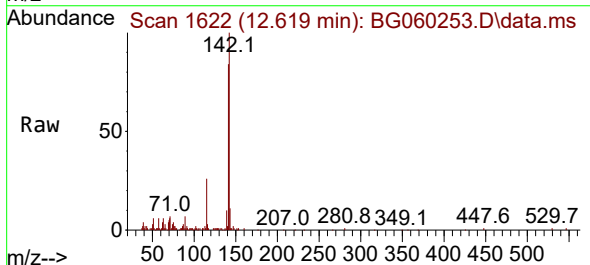
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SB32-2-20231222-16.0-17.0

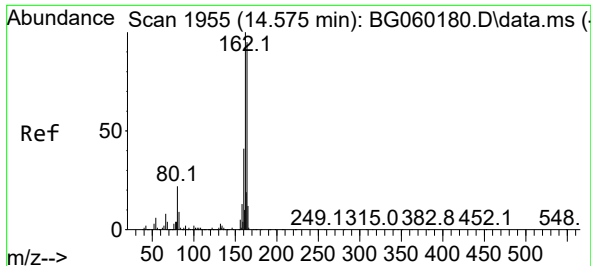
Tgt Ion:142 Resp: 159080
Ion Ratio Lower Upper
142 100
141 95.5 71.1 106.7
115 30.3 25.5 38.3



#38
1-Methylnaphthalene
Concen: 2.501 ng
RT: 12.619 min Scan# 1622
Delta R.T. 0.001 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:142 Resp: 78303
Ion Ratio Lower Upper
142 100
141 83.9 76.6 114.8
116 2.7 2.6 3.8

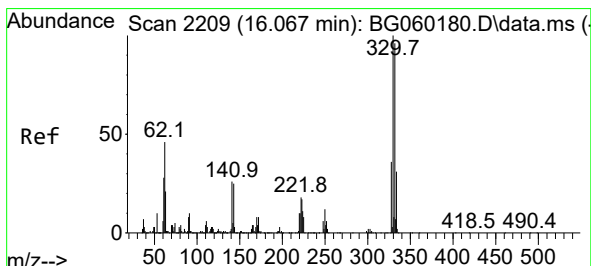
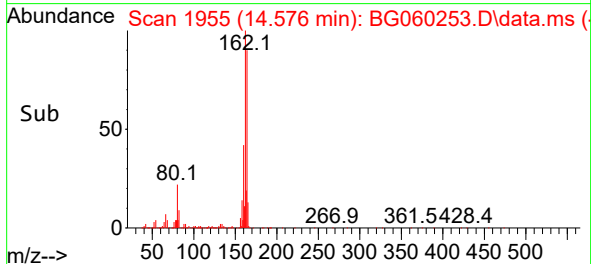
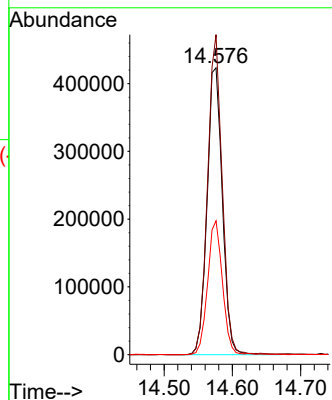
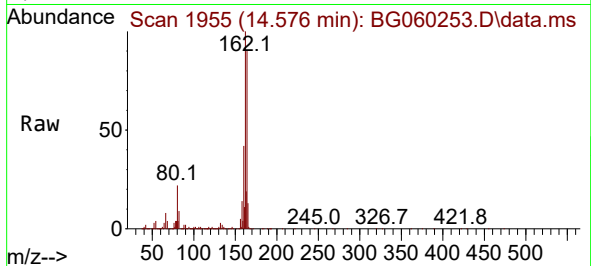




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.576 min Scan# 1955
Delta R.T. 0.001 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

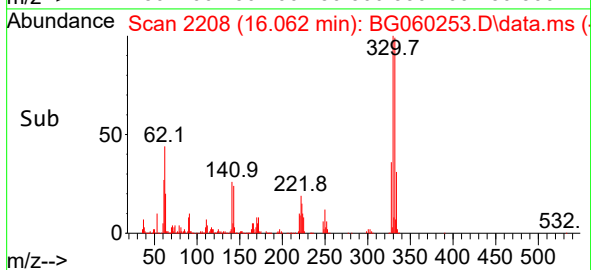
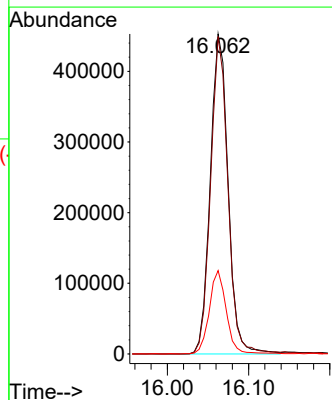
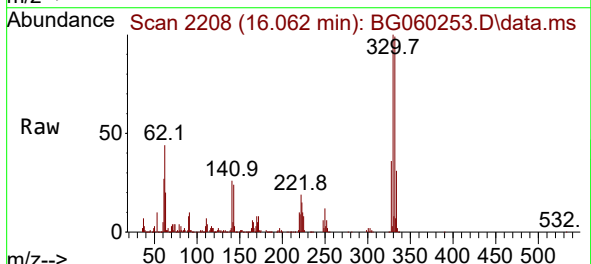
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BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

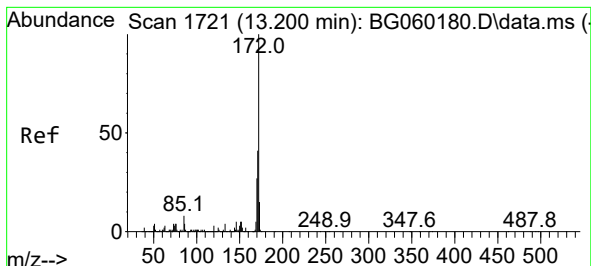
Tgt Ion:164 Resp: 658661
Ion Ratio Lower Upper
164 100
162 111.5 83.9 125.9
160 46.7 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 78.305 ng
RT: 16.062 min Scan# 2208
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:330 Resp: 690404
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 24.9 21.0 31.4





#45

2-Fluorobiphenyl

Concen: 42.937 ng

RT: 13.195 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG060253.D

Acq: 4 Jan 2024 20:22

Instrument :

BNA_G

ClientSampleId :

SB32-2-20231222-16.0-17.0

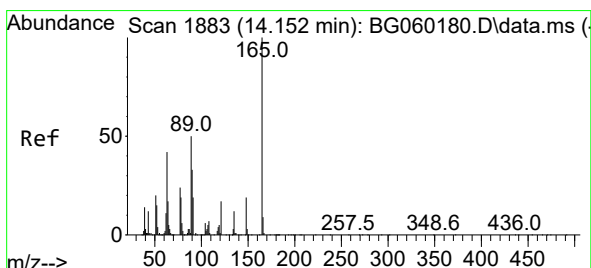
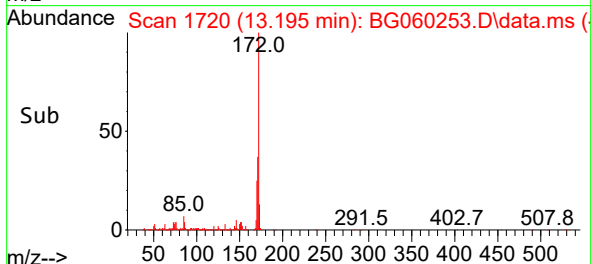
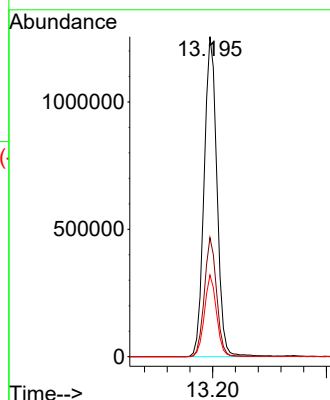
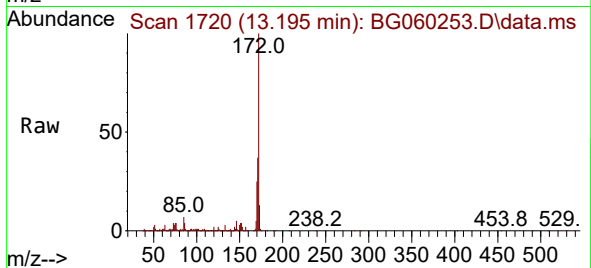
Tgt Ion:172 Resp: 1967757

Ion Ratio Lower Upper

172 100

171 37.2 32.6 48.8

170 25.5 21.8 32.6



#51

2,6-Dinitrotoluene

Concen: 8.571 ng

RT: 14.576 min Scan# 1955

Delta R.T. 0.424 min

Lab File: BG060253.D

Acq: 4 Jan 2024 20:22

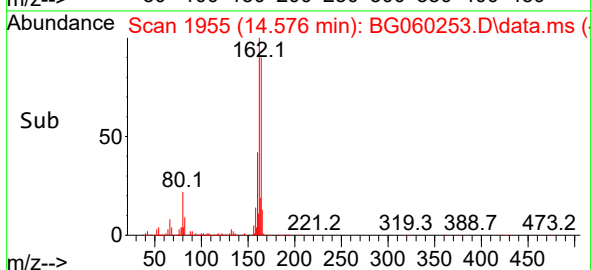
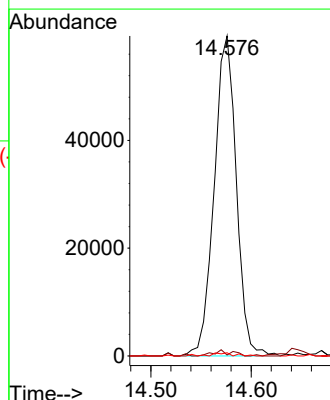
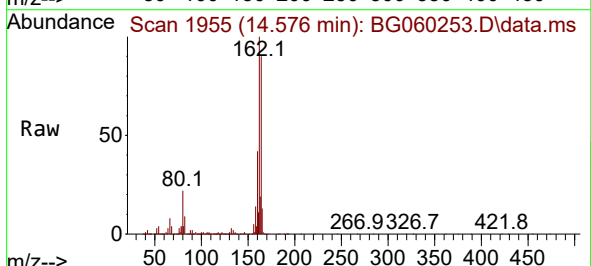
Tgt Ion:165 Resp: 90659

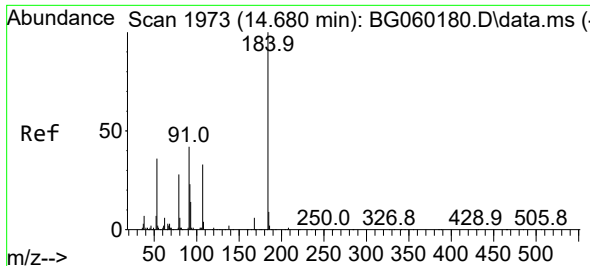
Ion Ratio Lower Upper

165 100

63 0.3 39.3 58.9#

89 1.0 39.8 59.8#

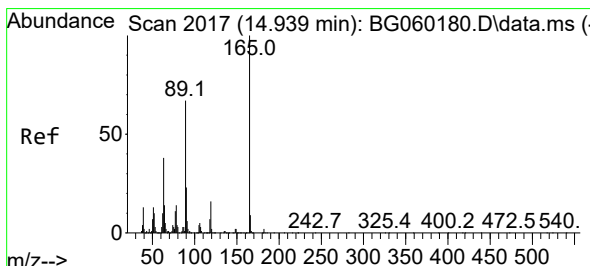
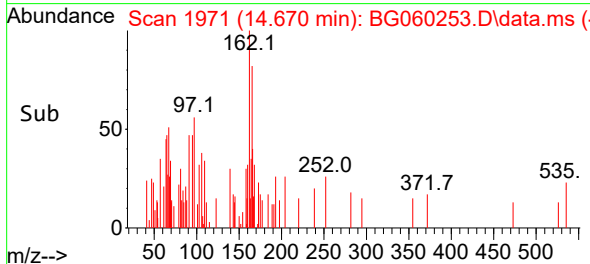
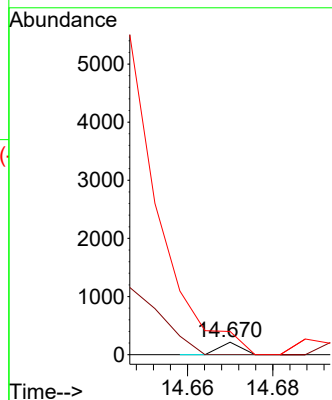
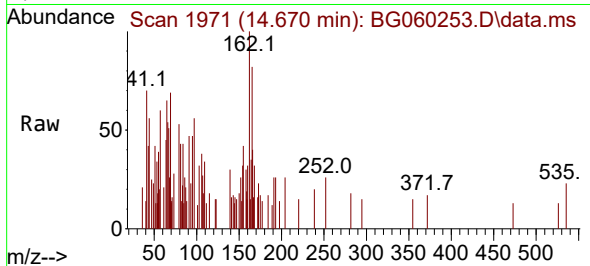




#54
2,4-Dinitrophenol
Concen: 8.247 ng
RT: 14.670 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

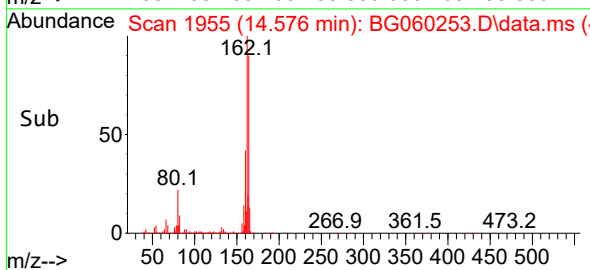
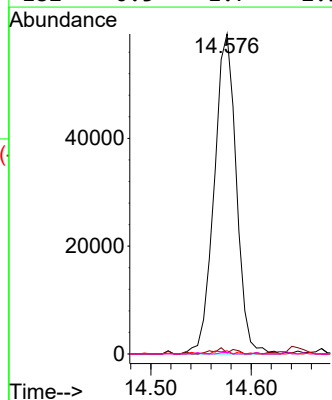
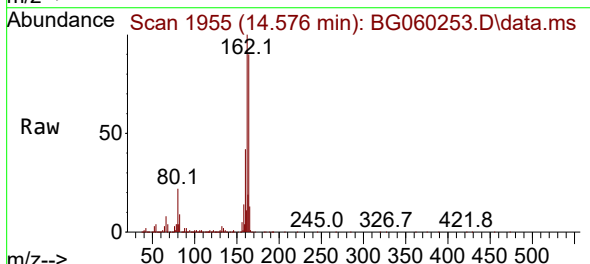
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

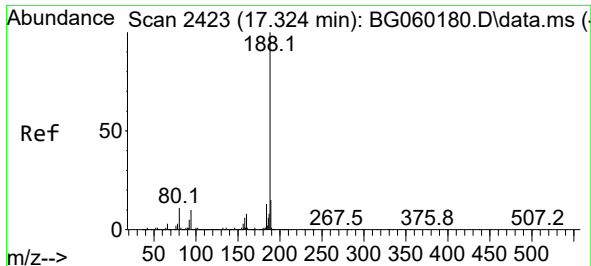
Tgt Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 0.0 45.4 68.2#
154 185.2 40.0 60.0#



#57
2,4-Dinitrotoluene
Concen: 6.303 ng
RT: 14.576 min Scan# 1955
Delta R.T. -0.363 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:165 Resp: 90659
Ion Ratio Lower Upper
165 100
63 0.3 31.0 46.6#
89 1.0 53.3 79.9#
182 0.5 1.7 2.5#

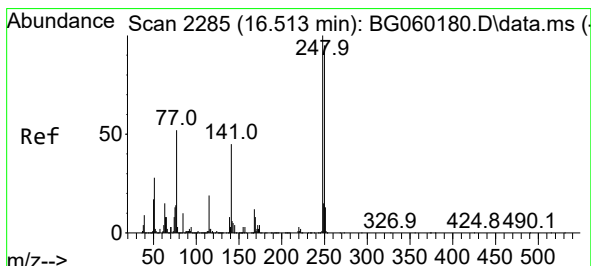
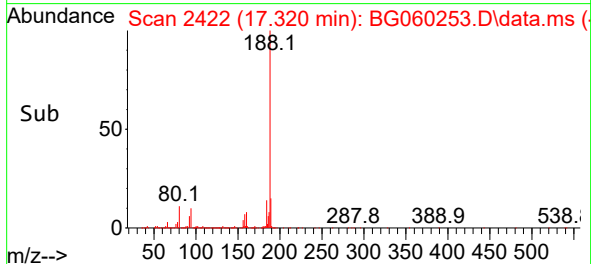
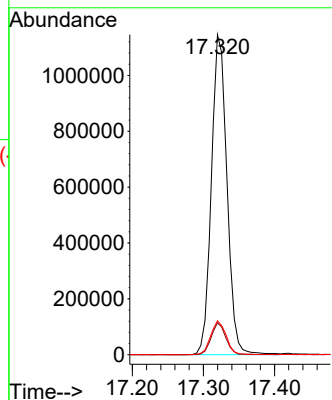
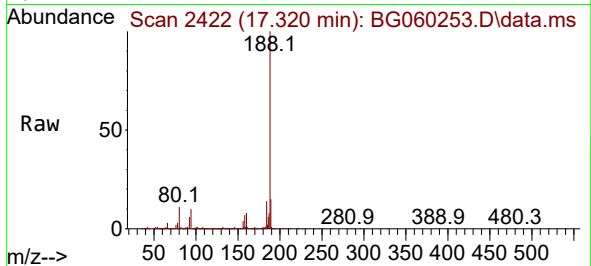




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.320 min Scan# 2423
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

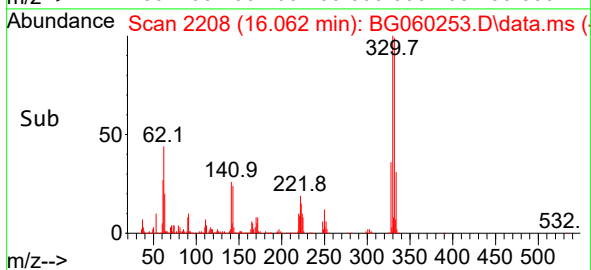
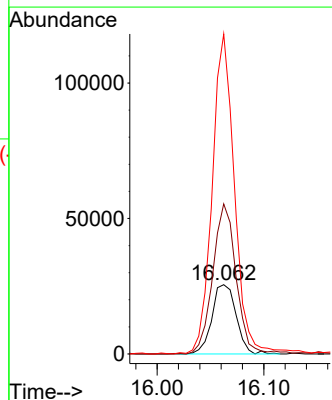
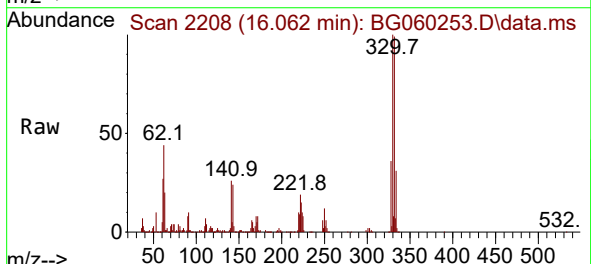
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

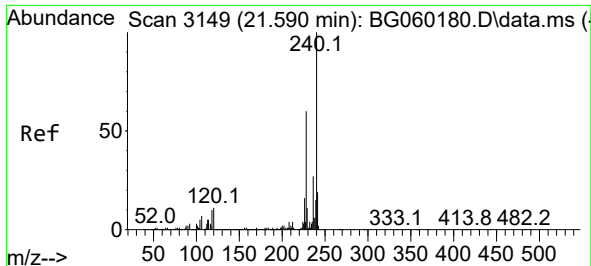
Tgt Ion:188 Resp: 1745036
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.6 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.179 ng
RT: 16.062 min Scan# 2208
Delta R.T. -0.451 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:248 Resp: 40322
Ion Ratio Lower Upper
248 100
250 201.5 76.2 114.4#
141 342.4 36.0 54.0#

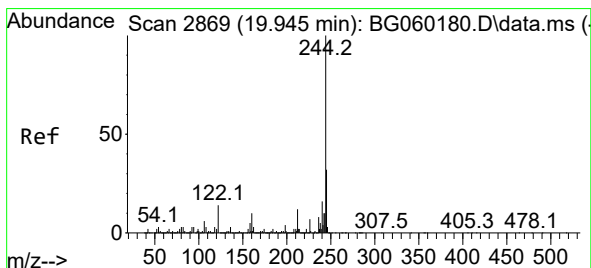
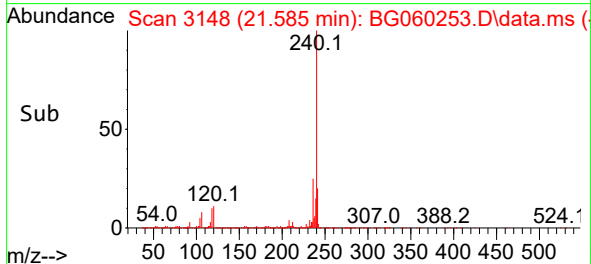
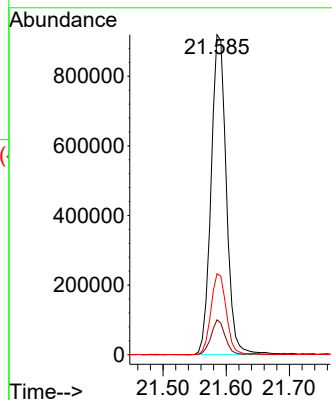
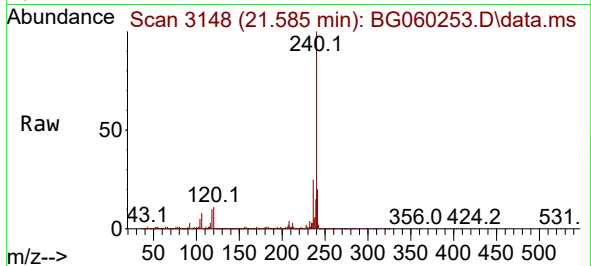




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.585 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

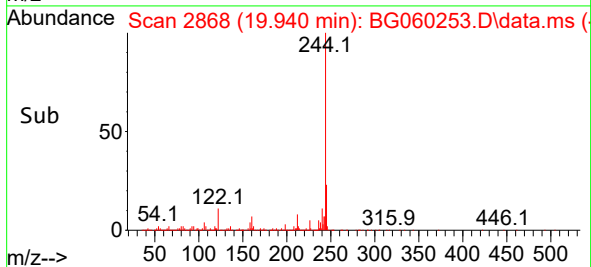
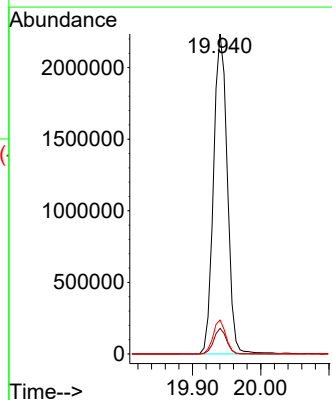
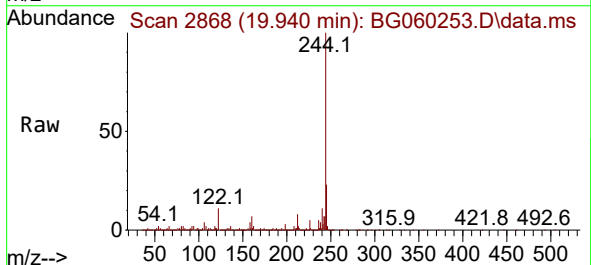
Instrument :
BNA_G
ClientSampleId :
SB32-2-20231222-16.0-17.0

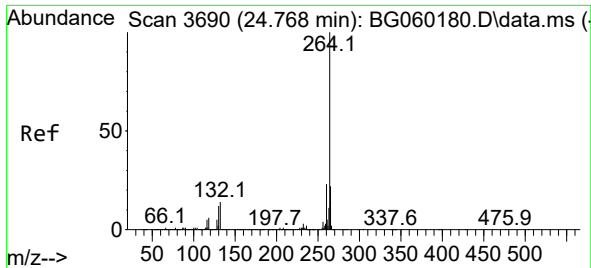
Tgt Ion:240 Resp: 1540022
Ion Ratio Lower Upper
240 100
120 10.9 8.5 12.7
236 25.3 21.4 32.2



#79
Terphenyl-d14
Concen: 39.174 ng
RT: 19.940 min Scan# 2868
Delta R.T. -0.005 min
Lab File: BG060253.D
Acq: 4 Jan 2024 20:22

Tgt Ion:244 Resp: 3138013
Ion Ratio Lower Upper
244 100
212 8.0 9.5 14.3#
122 10.6 11.4 17.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.764 min Scan# 30
 Delta R.T. -0.004 min
 Lab File: BG060253.D
 Acq: 4 Jan 2024 20:22

Instrument :
 BNA_G
 ClientSampleId :
 SB32-2-20231222-16.0-17.0

Tgt Ion:264 Resp: 1769133
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.0 27.0
 265 21.5 17.4 26.0

