

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060157.D
 Acq On : 23 Dec 2023 4:20
 Operator : MA/JU
 Sample : 05929-23
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-2

Quant Time: Dec 25 00:43:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

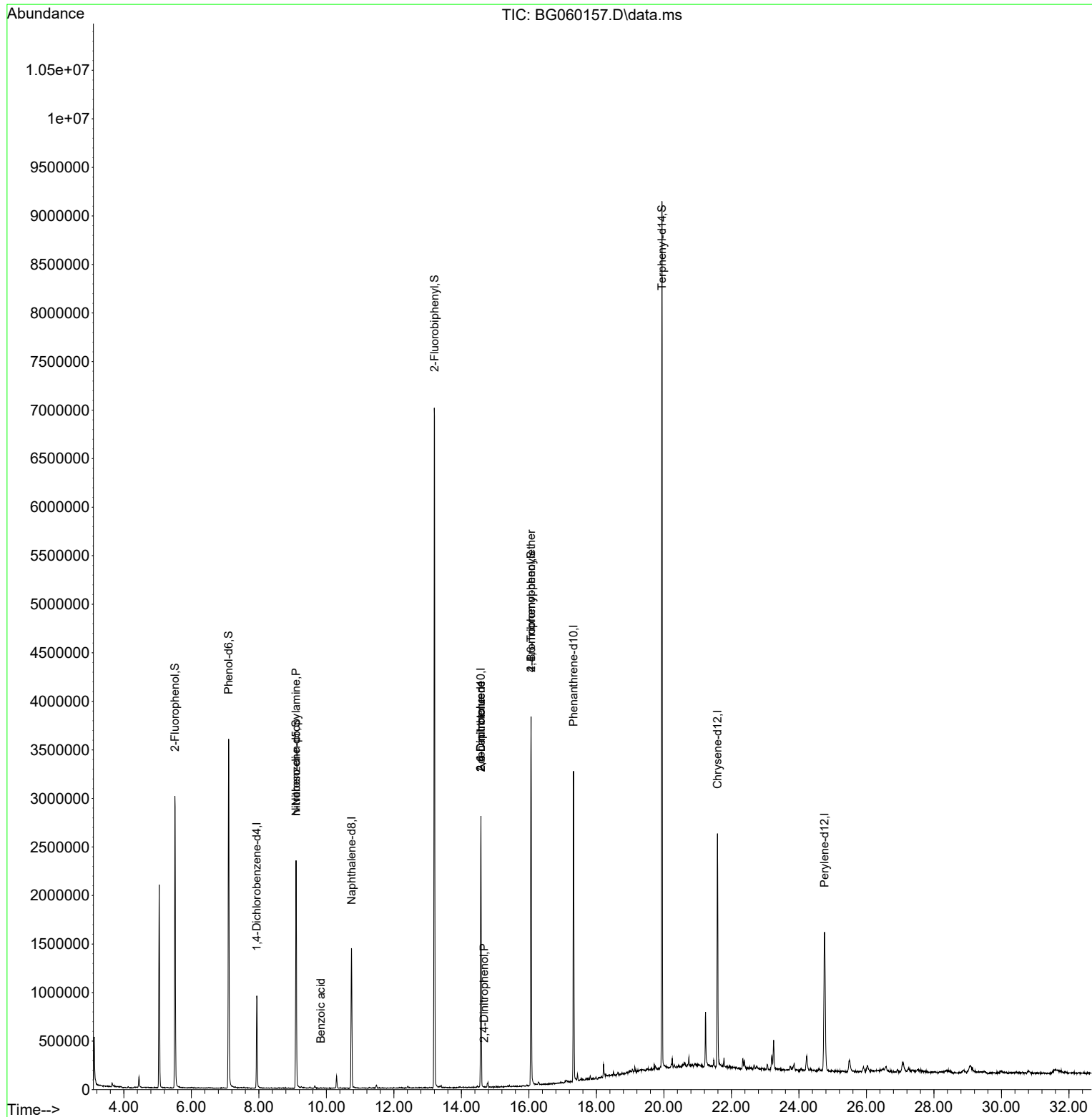
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.938	152	285941	20.000	ng	# 0.00
21) Naphthalene-d8	10.747	136	1279447	20.000	ng	0.00
39) Acenaphthene-d10	14.578	164	985426	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	2121533	20.000	ng	0.00
76) Chrysene-d12	21.587	240	1408788	20.000	ng	0.00
86) Perylene-d12	24.760	264	1609600	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.512	112	1441286	79.424	ng	0.00
7) Phenol-d6	7.104	99	2295979	75.179	ng	0.00
23) Nitrobenzene-d5	9.102	82	1525598	58.412	ng	0.00
42) 2,4,6-Tribromophenol	16.064	330	769164	57.971	ng	0.00
45) 2-Fluorobiphenyl	13.203	172	3832366	58.396	ng	0.00
79) Terphenyl-d14	19.942	244	4117938	52.893	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.102	70	191059	8.046	ng	# 80
32) Benzoic acid	9.836	122	53	5.091	ng	87
51) 2,6-Dinitrotoluene	14.578	165	131315	7.574	ng	# 24
54) 2,4-Dinitrophenol	14.672	184	72	6.624	ng	# 55
57) 2,4-Dinitrotoluene	14.578	165	131315	5.160	ng	# 24
67) 4-Bromophenyl-phenylether	16.064	248	46420	2.323	ng	# 1

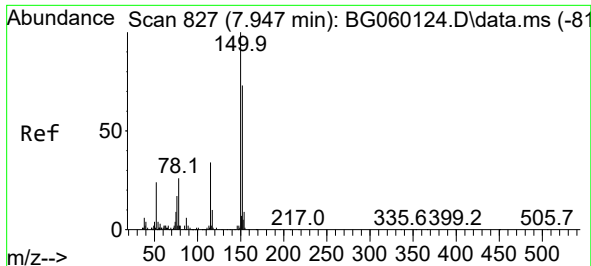
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

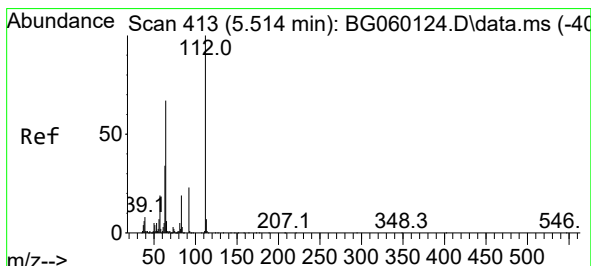
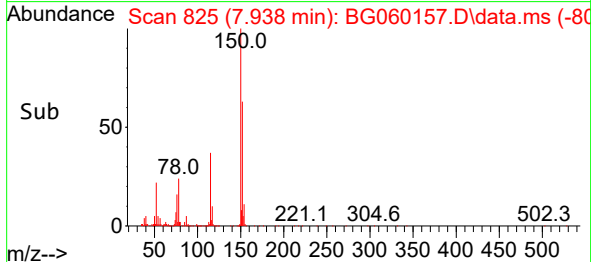
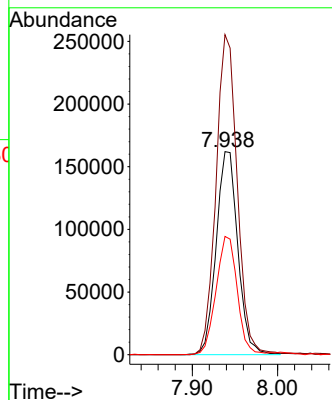
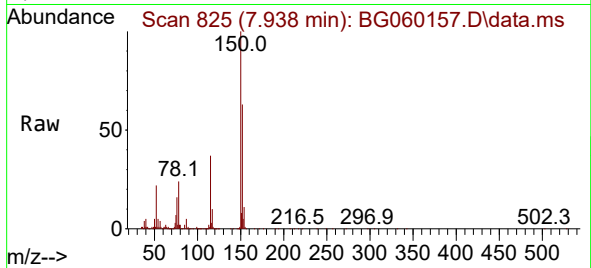




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.938 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

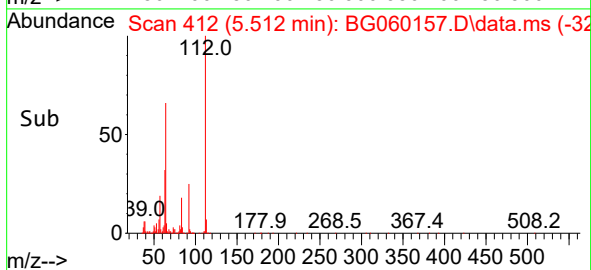
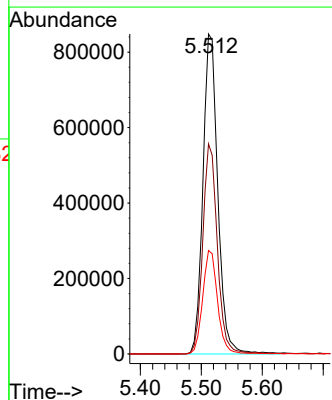
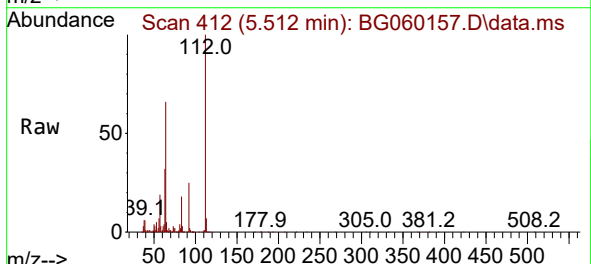
Instrument :
BNA_G
ClientSampleId :
TR-2

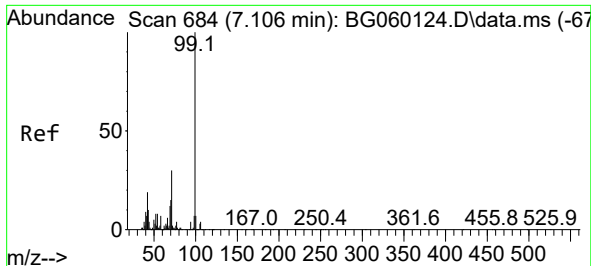
Tgt Ion:152 Resp: 285941
Ion Ratio Lower Upper
152 100
150 157.6 109.4 164.0
115 58.2 36.5 54.7#



#5
2-Fluorophenol
Concen: 79.424 ng
RT: 5.512 min Scan# 412
Delta R.T. -0.002 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

Tgt Ion:112 Resp: 1441286
Ion Ratio Lower Upper
112 100
64 65.7 53.3 79.9
63 32.3 27.1 40.7





#7

Phenol-d6

Concen: 75.179 ng

RT: 7.104 min Scan# 61

Delta R.T. -0.002 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

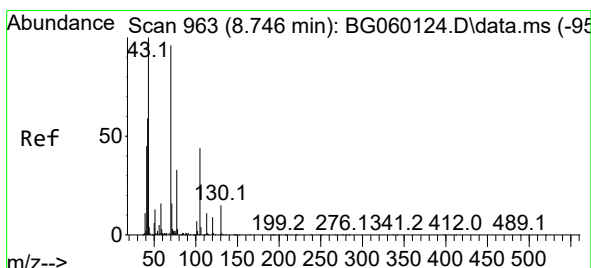
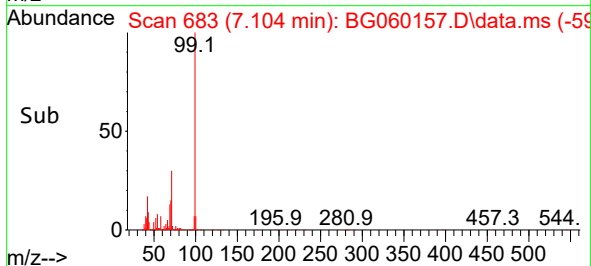
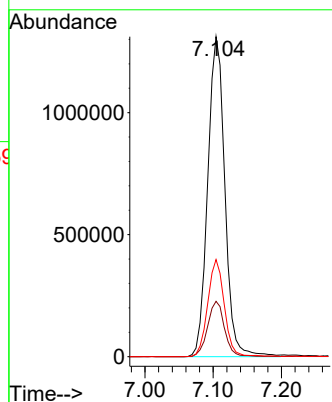
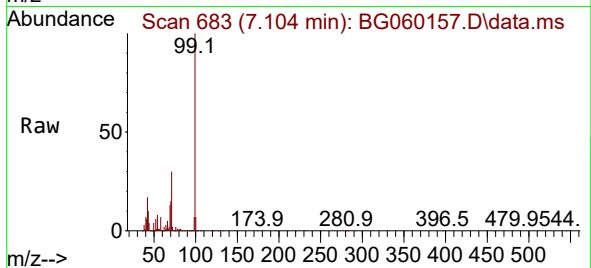
Tgt Ion: 99 Resp: 2295979

Ion Ratio Lower Upper

99 100

42 17.3 15.2 22.8

71 30.4 24.2 36.2



#19

n-Nitroso-di-n-propylamine

Concen: 8.046 ng

RT: 9.102 min Scan# 1023

Delta R.T. 0.356 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Tgt Ion: 70 Resp: 191059

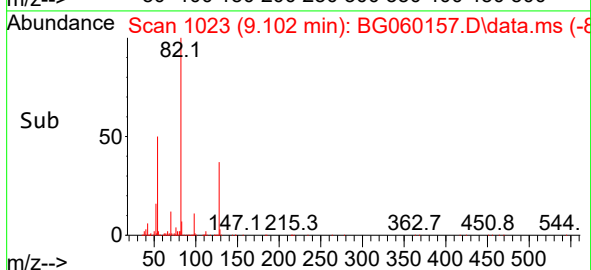
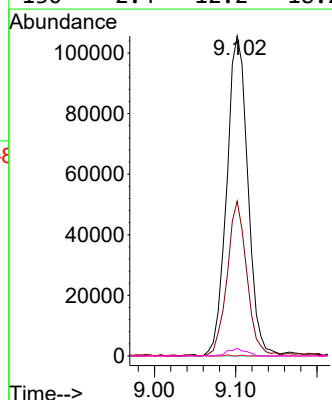
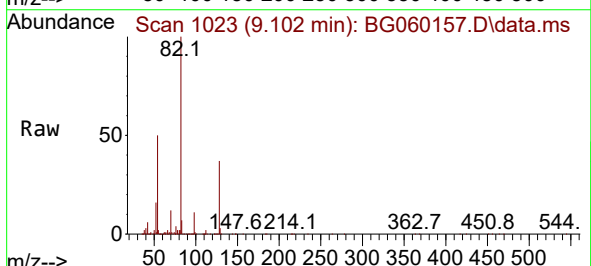
Ion Ratio Lower Upper

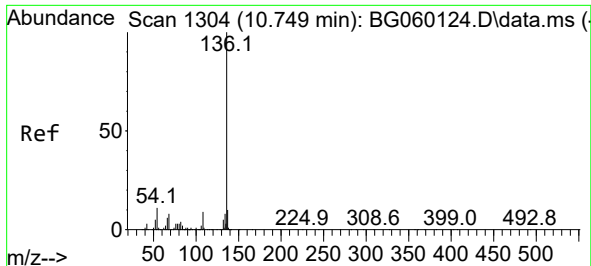
70 100

42 48.4 49.6 74.4#

101 0.0 6.2 9.4#

130 2.4 12.2 18.2#



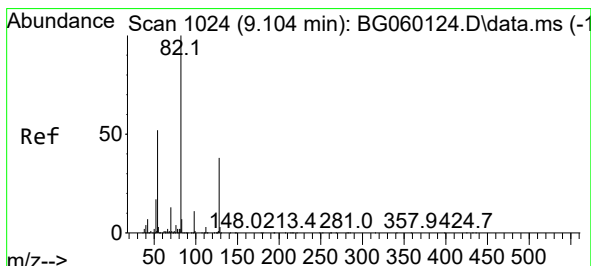
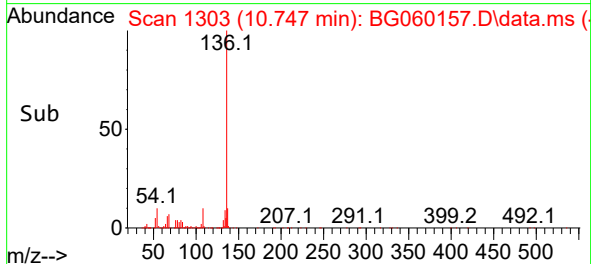
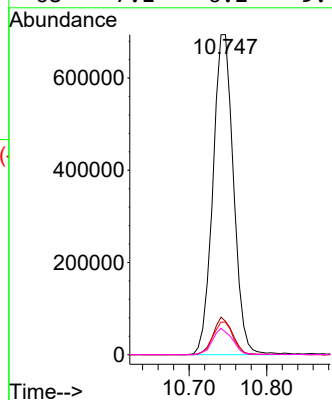
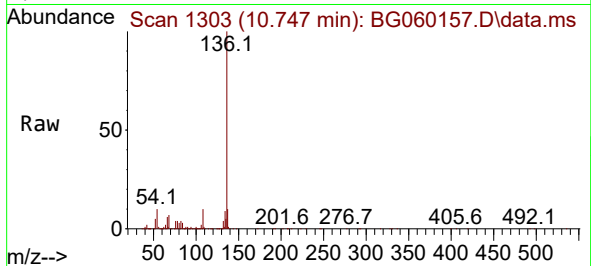


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.747 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

Instrument :
BNA_G
ClientSampleId :
TR-2

Tgt Ion:136 Resp: 1279447

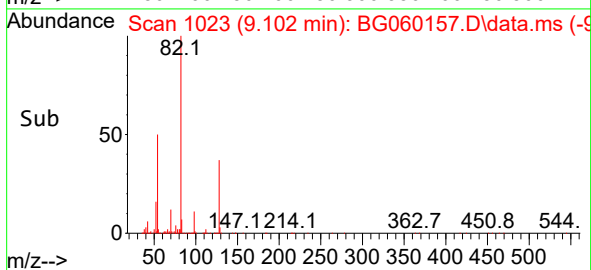
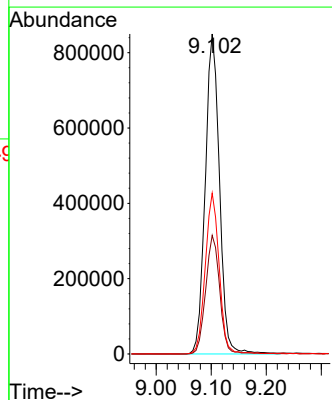
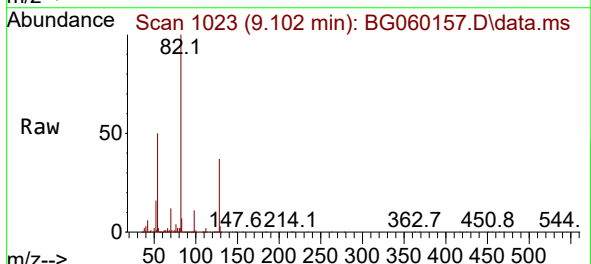
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.1	12.1
54	10.1	8.7	13.1
68	7.1	6.2	9.4

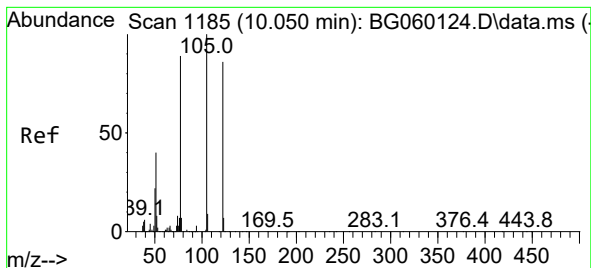


#23
Nitrobenzene-d5
Concen: 58.412 ng
RT: 9.102 min Scan# 1023
Delta R.T. -0.002 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

Tgt Ion: 82 Resp: 1525598

Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.5	45.7
54	50.2	41.9	62.9





#32

Benzoic acid

Concen: 5.091 ng

RT: 9.836 min Scan# 1185

Delta R.T. -0.214 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

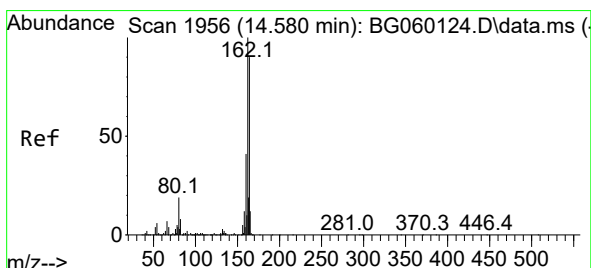
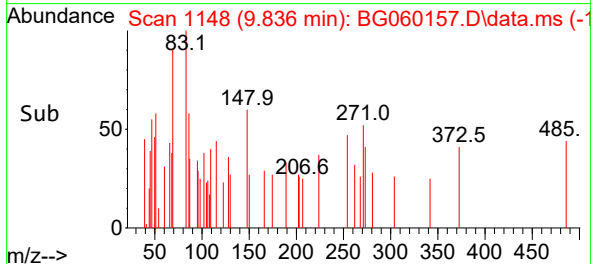
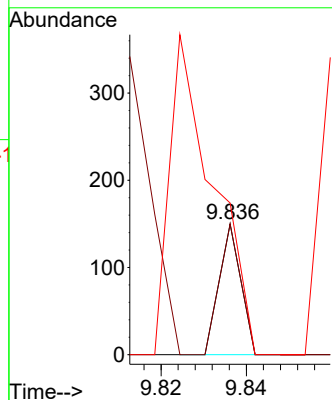
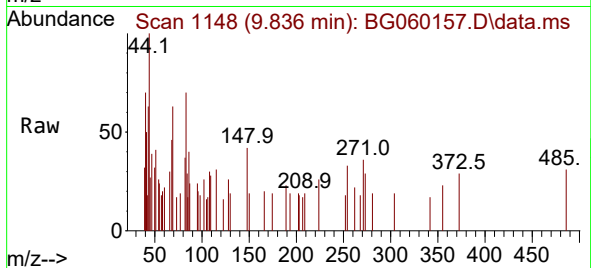
Tgt Ion:122 Resp: 53

Ion Ratio Lower Upper

122 100

105 100.0 93.2 133.2

77 116.0 81.7 121.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.578 min Scan# 1955

Delta R.T. -0.002 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

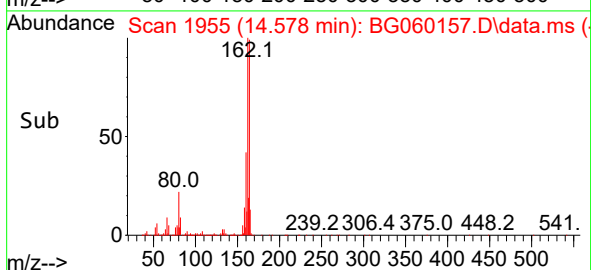
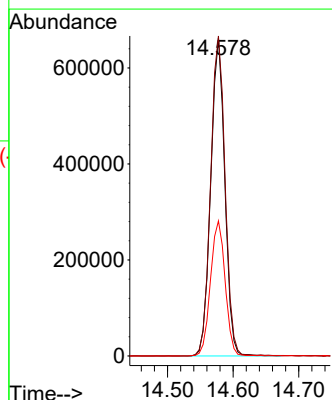
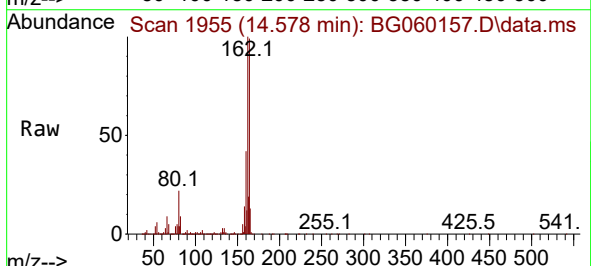
Tgt Ion:164 Resp: 985426

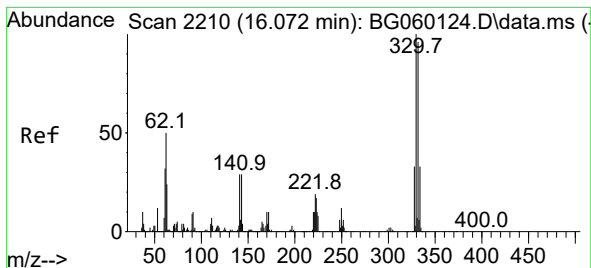
Ion Ratio Lower Upper

164 100

162 100.6 88.5 132.7

160 42.5 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 57.971 ng

RT: 16.064 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

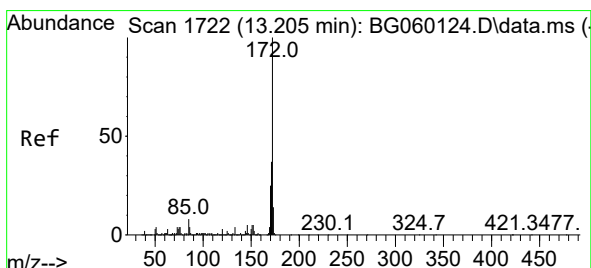
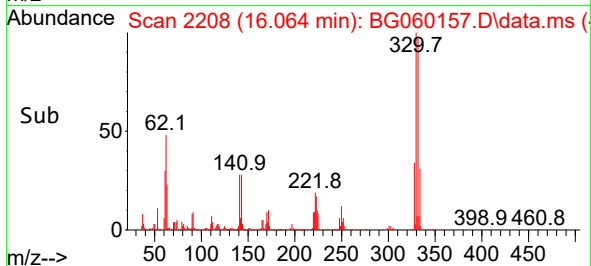
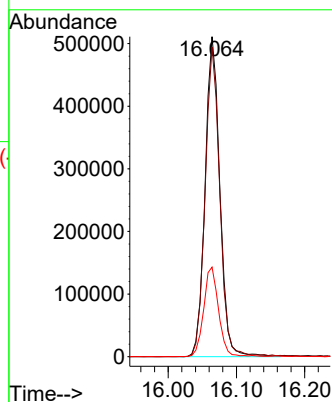
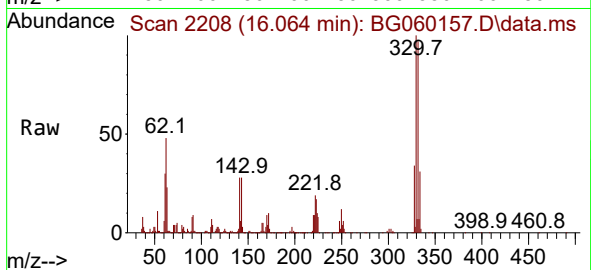
Tgt Ion:330 Resp: 769164

Ion Ratio Lower Upper

330 100

332 96.5 75.5 113.3

141 28.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 58.396 ng

RT: 13.203 min Scan# 1721

Delta R.T. -0.002 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

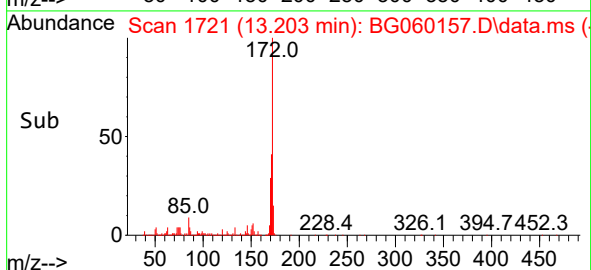
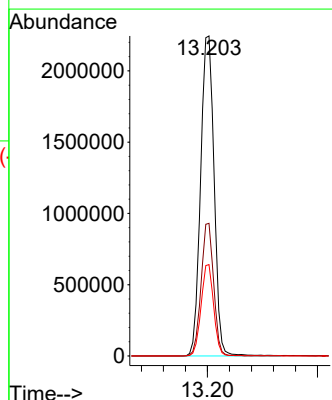
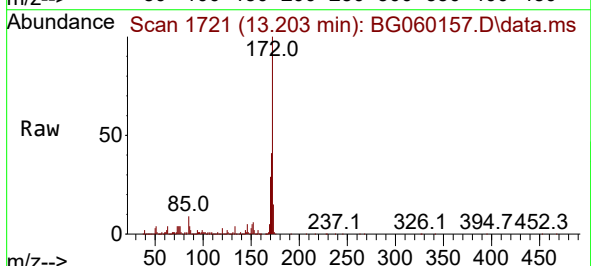
Tgt Ion:172 Resp: 3832366

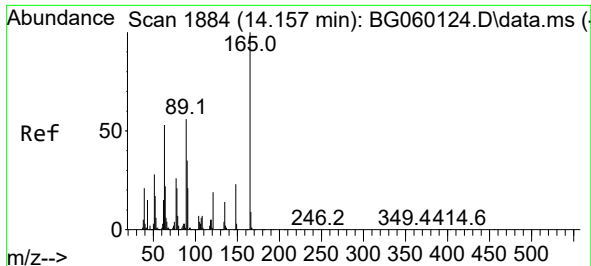
Ion Ratio Lower Upper

172 100

171 41.4 29.2 43.8

170 28.6 20.1 30.1





#51

2,6-Dinitrotoluene

Concen: 7.574 ng

RT: 14.578 min Scan# 1955

Delta R.T. 0.421 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

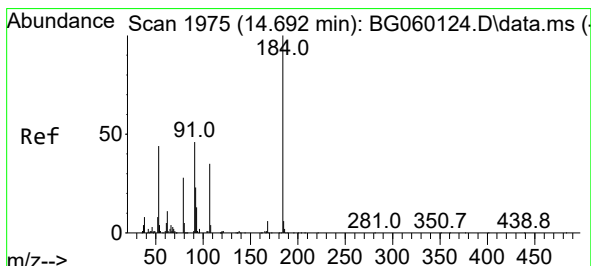
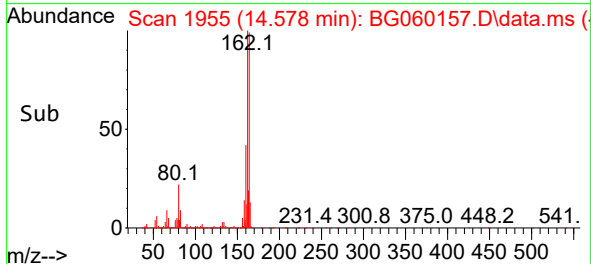
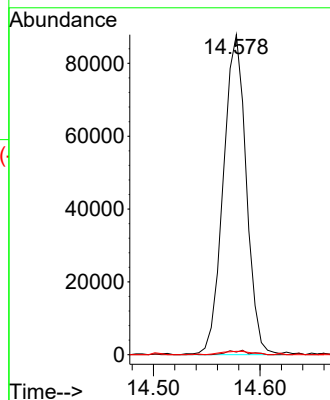
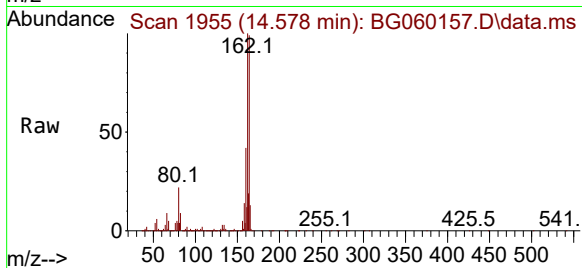
Tgt Ion:165 Resp: 131315

Ion Ratio Lower Upper

165 100

63 0.8 45.4 68.2#

89 1.1 44.6 66.8#



#54

2,4-Dinitrophenol

Concen: 6.624 ng

RT: 14.672 min Scan# 1971

Delta R.T. -0.020 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

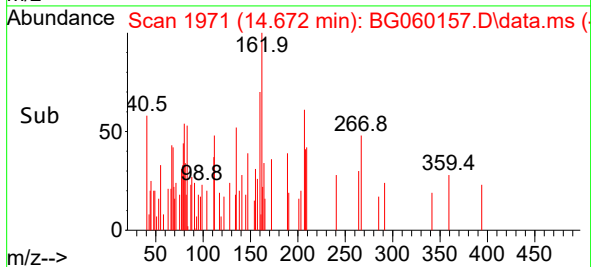
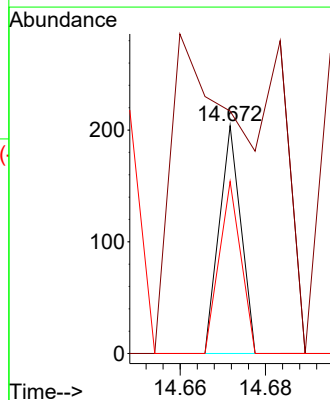
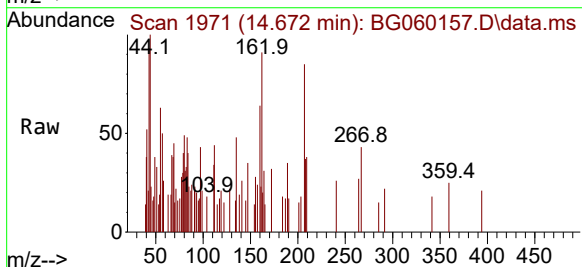
Tgt Ion:184 Resp: 72

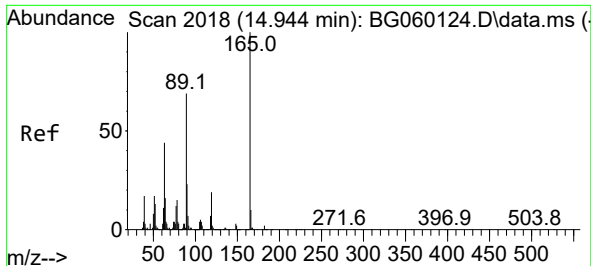
Ion Ratio Lower Upper

184 100

63 106.4 48.1 72.1#

154 75.5 44.3 66.5#





#57

2,4-Dinitrotoluene

Concen: 5.160 ng

RT: 14.578 min Scan# 1955

Delta R.T. -0.367 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

Tgt Ion:165 Resp: 131315

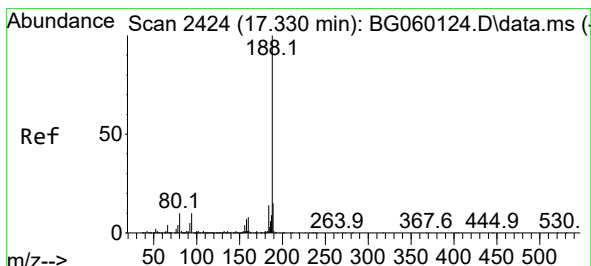
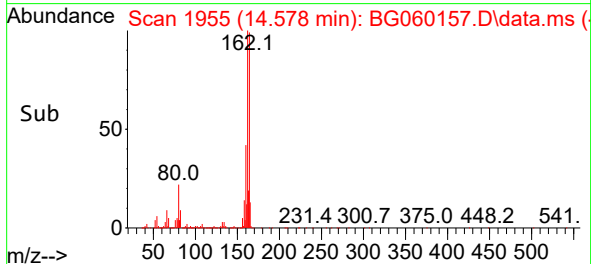
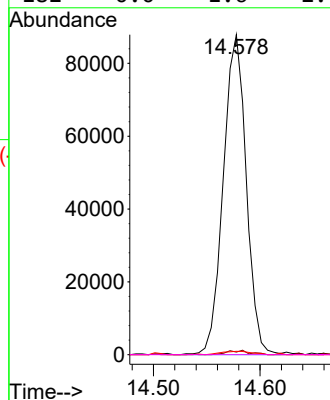
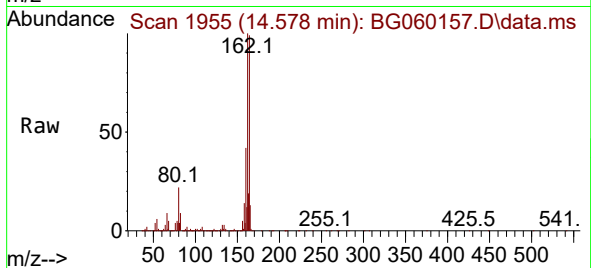
Ion Ratio Lower Upper

165 100

63 0.8 35.4 53.0#

89 1.1 55.6 83.4#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.322 min Scan# 2422

Delta R.T. -0.008 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

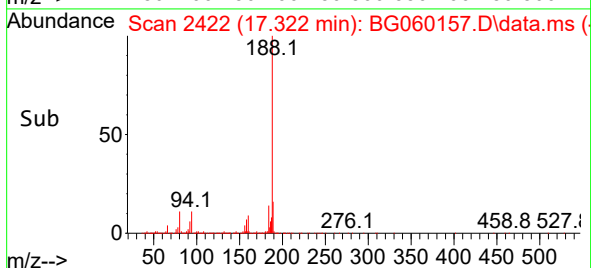
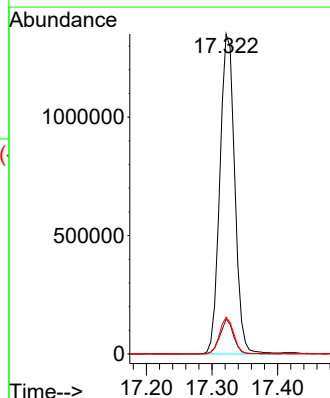
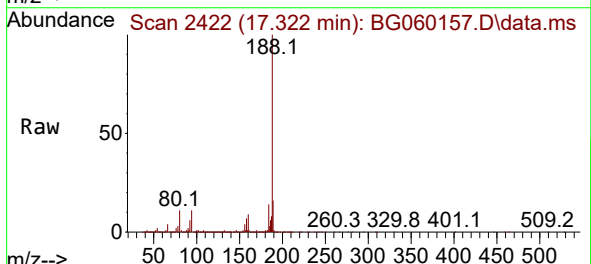
Tgt Ion:188 Resp: 2121533

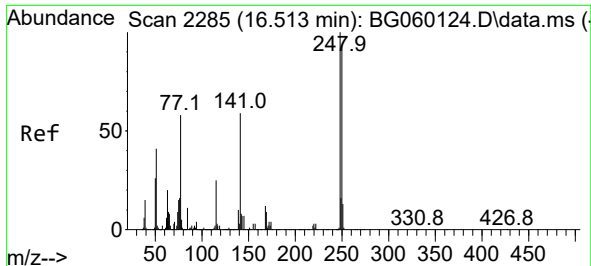
Ion Ratio Lower Upper

188 100

94 10.9 7.6 11.4

80 11.5 7.9 11.9

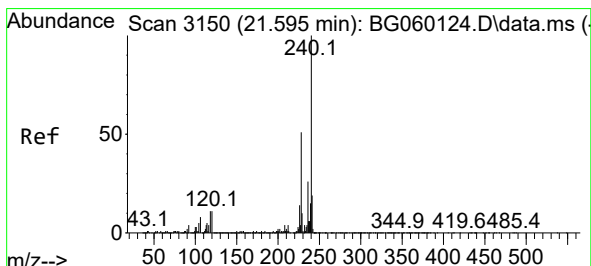
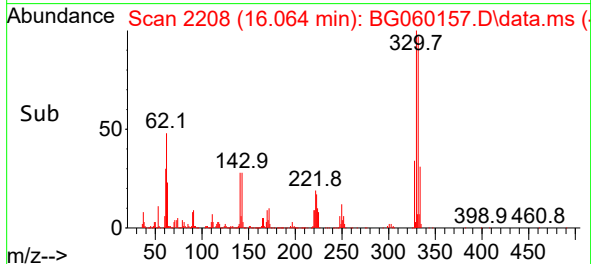
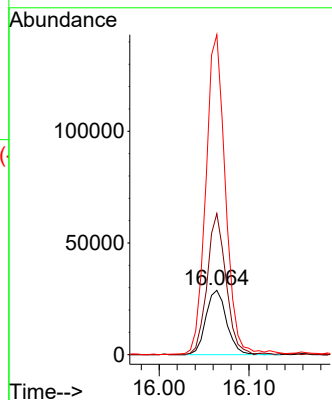
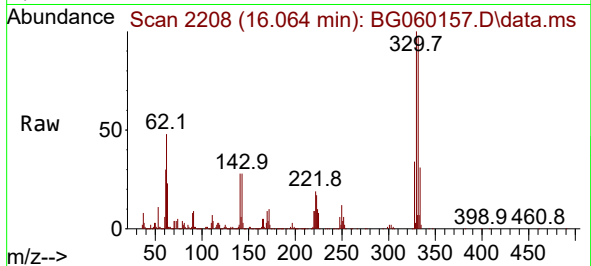




#67
4-Bromophenyl-phenylether
Concen: 2.323 ng
RT: 16.064 min Scan# 21
Delta R.T. -0.449 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

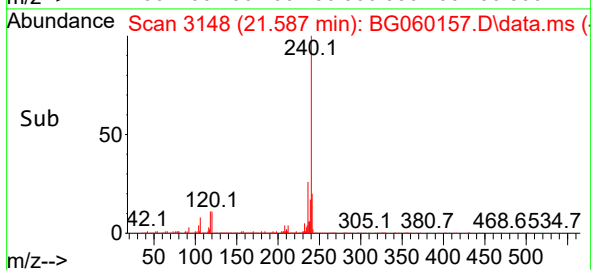
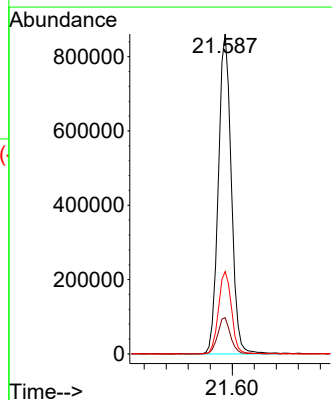
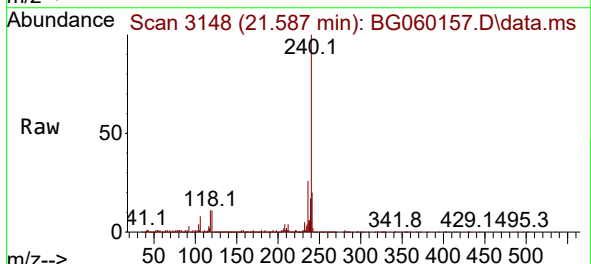
Instrument :
BNA_G
ClientSampleId :
TR-2

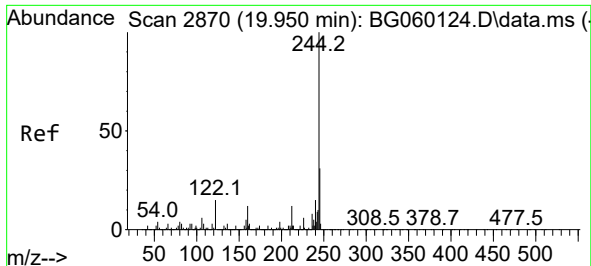
Tgt Ion:248 Resp: 46420
Ion Ratio Lower Upper
248 100
250 219.3 74.5 111.7#
141 497.1 47.4 71.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.587 min Scan# 3148
Delta R.T. -0.008 min
Lab File: BG060157.D
Acq: 23 Dec 2023 4:20

Tgt Ion:240 Resp: 1408788
Ion Ratio Lower Upper
240 100
120 11.4 9.0 13.6
236 25.7 20.4 30.6





#79

Terphenyl-d14

Concen: 52.893 ng

RT: 19.942 min Scan# 2

Delta R.T. -0.008 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Instrument :

BNA_G

ClientSampleId :

TR-2

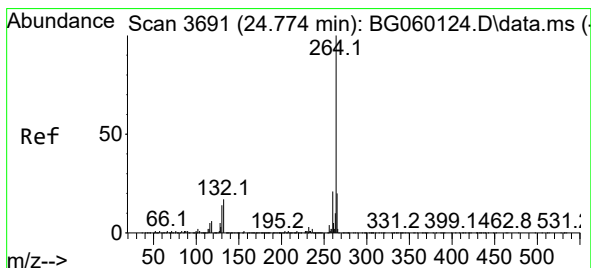
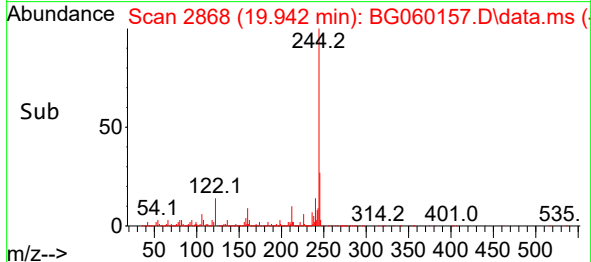
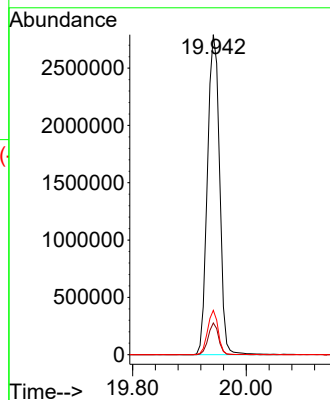
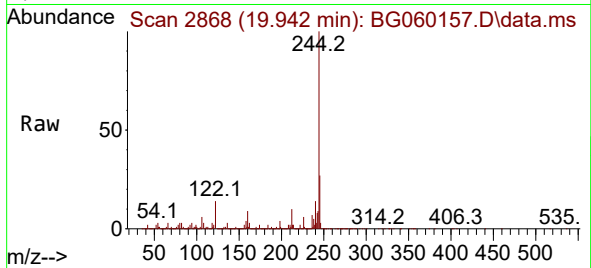
Tgt Ion:244 Resp: 4117938

Ion Ratio Lower Upper

244 100

212 9.9 9.5 14.3

122 13.9 12.2 18.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.760 min Scan# 3688

Delta R.T. -0.014 min

Lab File: BG060157.D

Acq: 23 Dec 2023 4:20

Tgt Ion:264 Resp: 1609600

Ion Ratio Lower Upper

264 100

260 22.6 17.1 25.7

265 21.2 16.0 24.0

