

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057569.D
 Acq On : 25 May 2023 22:39
 Operator : CG/JU
 Sample : 02908-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB09

Quant Time: May 26 03:02:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

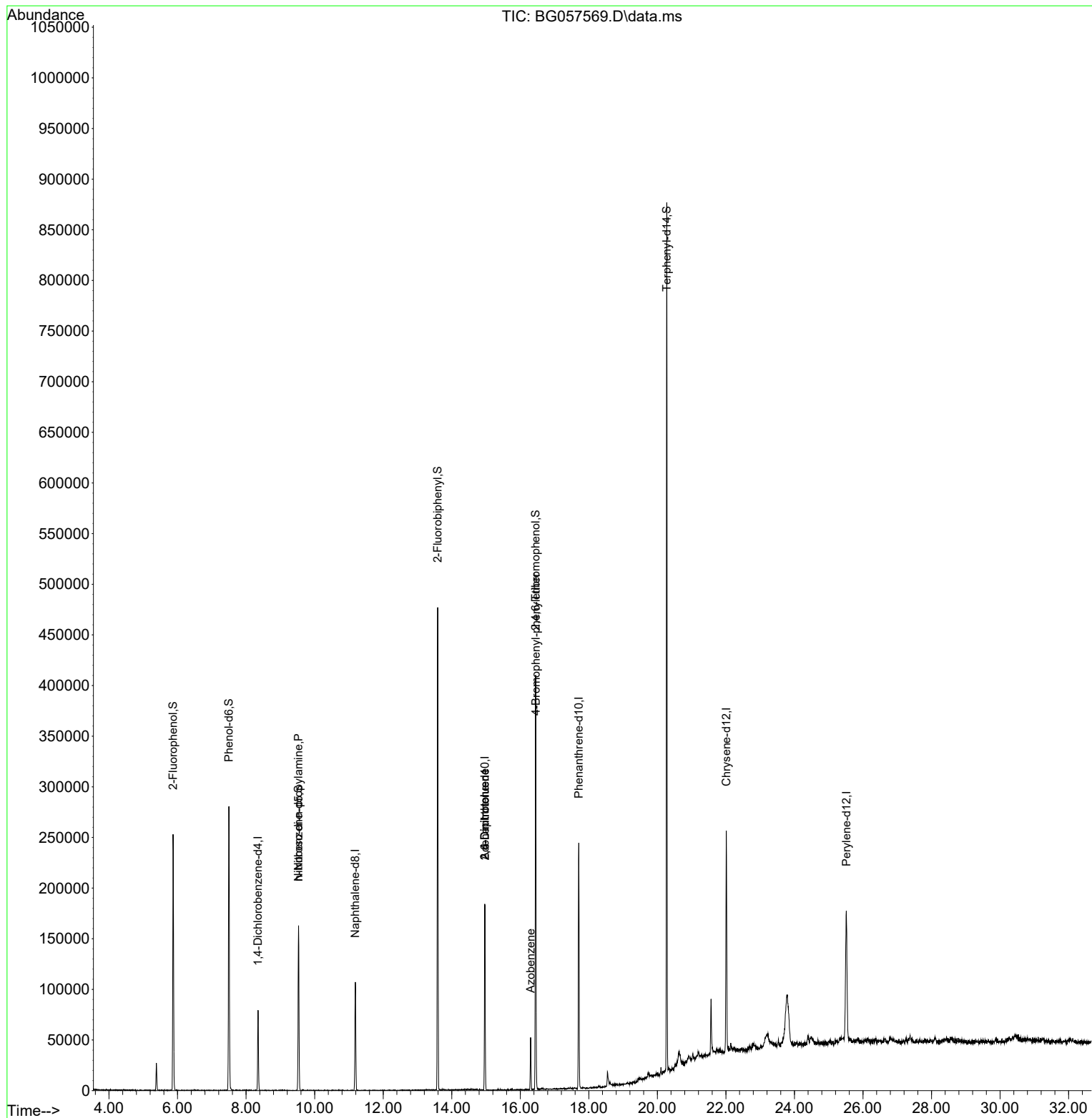
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.349	152	23245	20.000	ng	0.00
21) Naphthalene-d8	11.186	136	92245	20.000	ng	0.00
39) Acenaphthene-d10	14.963	164	69640	20.000	ng	0.00
64) Phenanthrene-d10	17.707	188	162734	20.000	ng	0.00
76) Chrysene-d12	22.013	240	140512	20.000	ng	0.00
86) Perylene-d12	25.514	264	150459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.870	112	114038	83.921	ng	0.00
7) Phenol-d6	7.497	99	170742	82.744	ng	0.00
23) Nitrobenzene-d5	9.530	82	106637	48.519	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	82710	83.705	ng	0.00
45) 2-Fluorobiphenyl	13.589	172	249935	48.336	ng	0.00
79) Terphenyl-d14	20.274	244	432082	50.182	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.491	77	250	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.530	70	14852	9.439 ng	#	85
51) 2,6-Dinitrotoluene	14.963	165	9374	8.023 ng	#	17
57) 2,4-Dinitrotoluene	14.963	165	9374	5.614 ng	#	20
63) Azobenzene	16.303	77	15542	2.772 ng	#	1
67) 4-Bromophenyl-phenylether	16.456	248	6038	3.039 ng	#	1

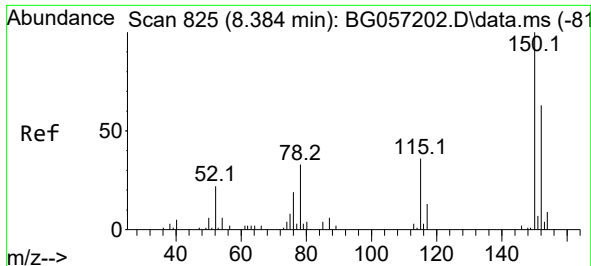
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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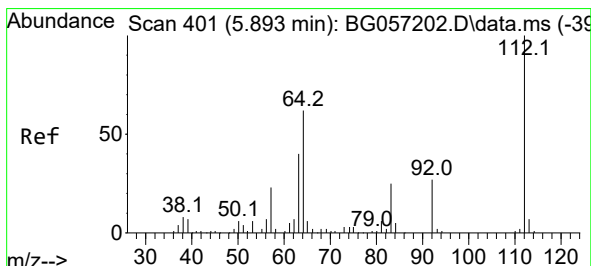
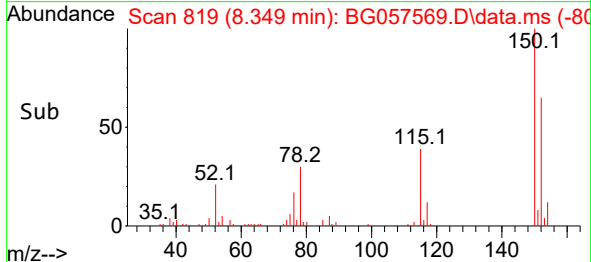
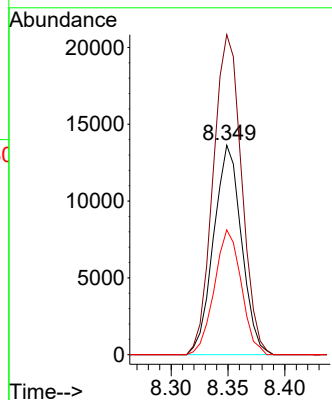
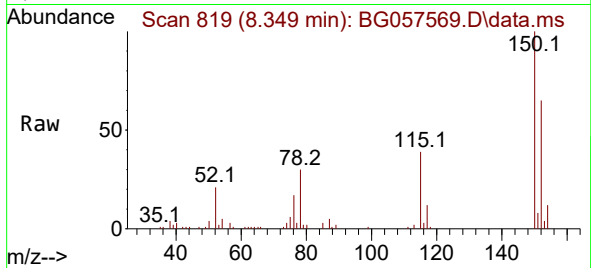




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.349 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

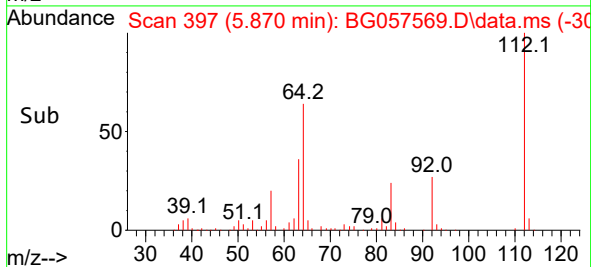
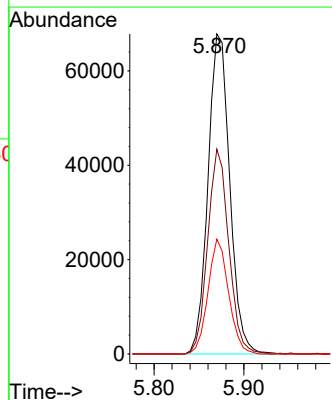
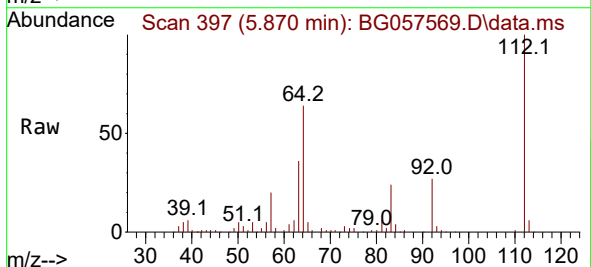
Instrument :
BNA_G
ClientSampleId :
SB09

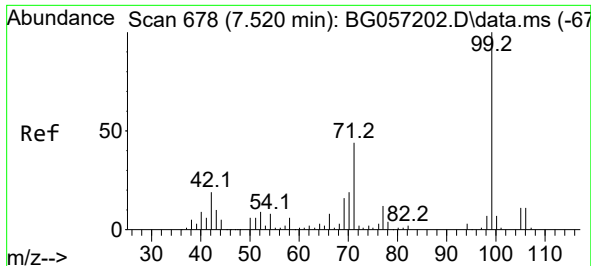
Tgt Ion:152 Resp: 23245
Ion Ratio Lower Upper
152 100
150 152.8 126.2 189.4
115 59.6 45.0 67.4



#5
2-Fluorophenol
Concen: 83.921 ng
RT: 5.870 min Scan# 397
Delta R.T. -0.002 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

Tgt Ion:112 Resp: 114038
Ion Ratio Lower Upper
112 100
64 64.0 49.4 74.2
63 35.9 31.6 47.4

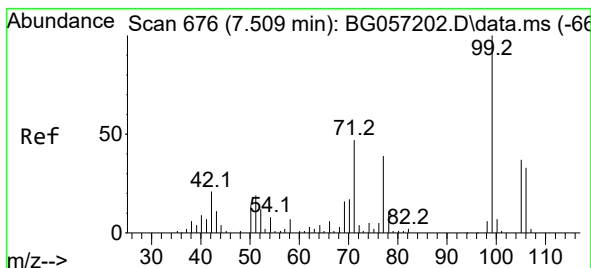
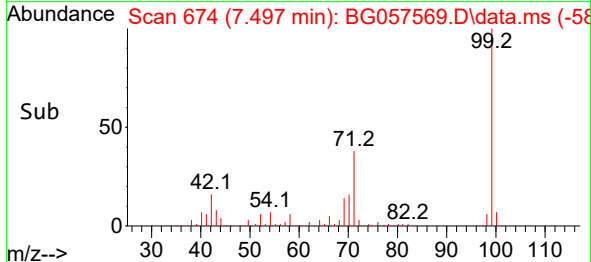
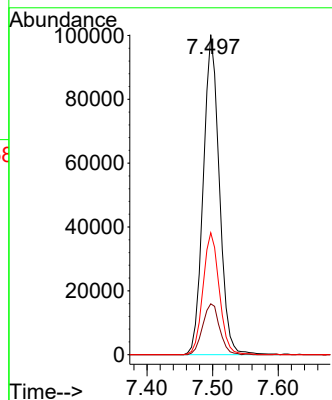
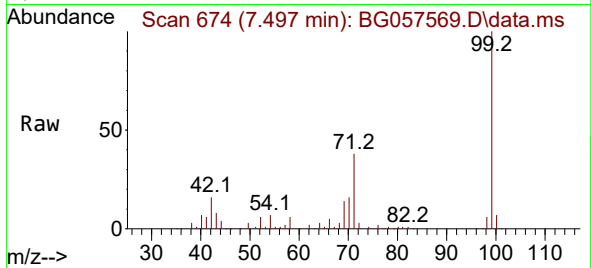




#7
Phenol-d6
Concen: 82.744 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

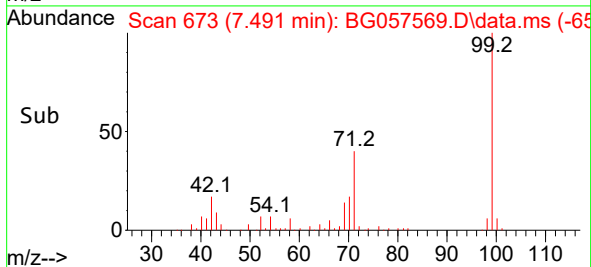
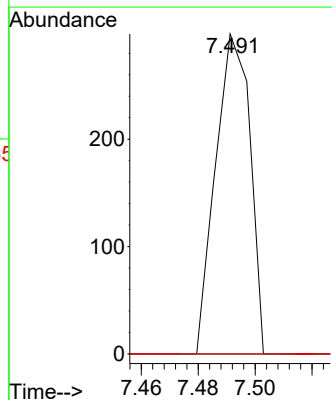
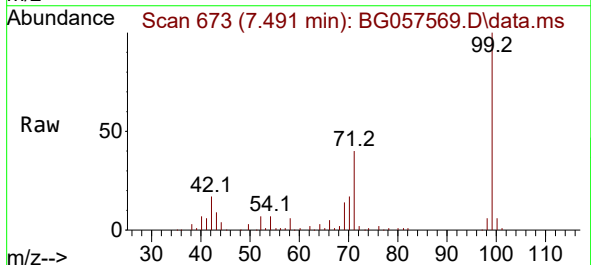
Instrument :
BNA_G
ClientSampleId :
SB09

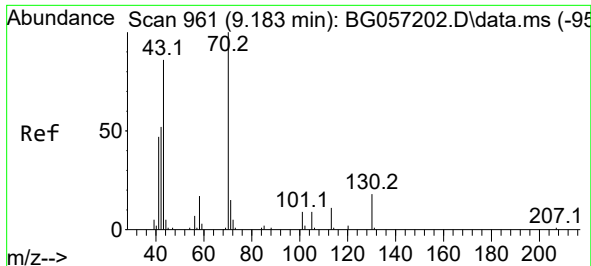
Tgt Ion: 99 Resp: 170742
Ion Ratio Lower Upper
99 100
42 15.9 15.1 22.7
71 38.1 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.491 min Scan# 673
Delta R.T. 0.009 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

Tgt Ion: 77 Resp: 250
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

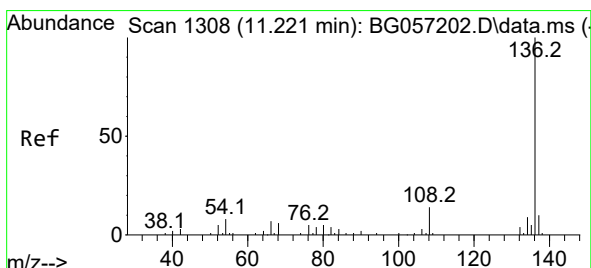
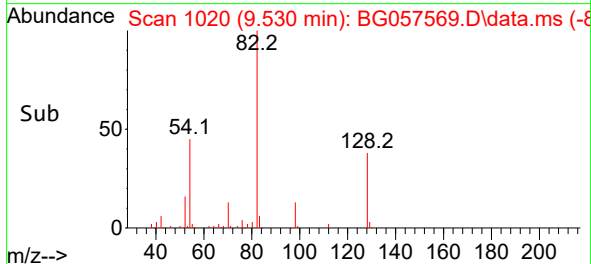
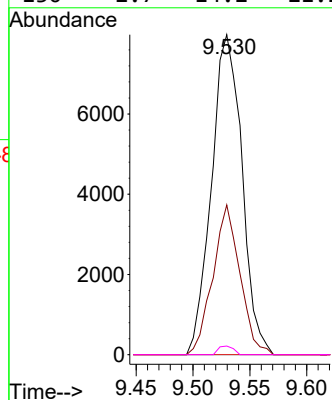
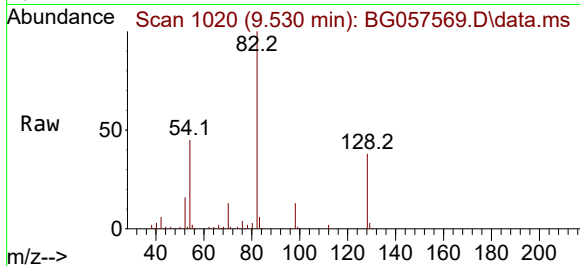




#19
n-Nitroso-di-n-propylamine
Concen: 9.439 ng
RT: 9.530 min Scan# 1020
Delta R.T. 0.374 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

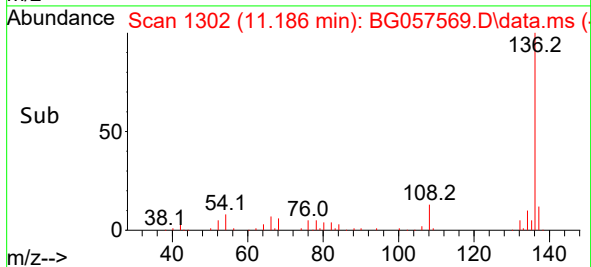
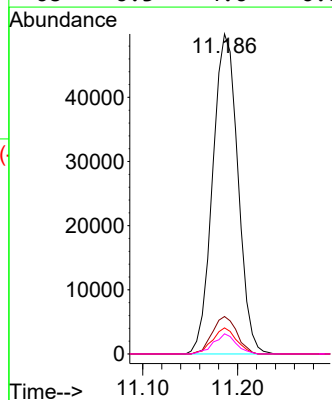
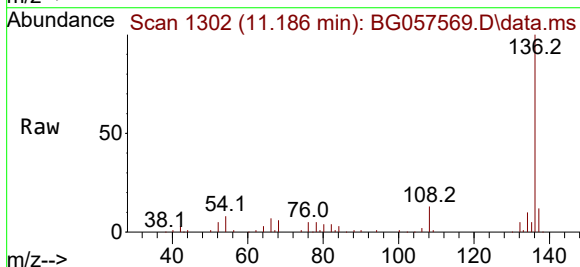
Instrument :
BNA_G
ClientSampleId :
SB09

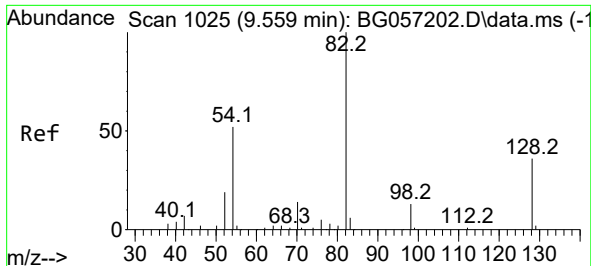
Tgt Ion:	70	Resp:	14852
Ion	Ratio	Lower	Upper
70	100		
42	46.8	41.8	62.8
101	0.0	6.8	10.2#
130	2.7	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.186 min Scan# 1302
Delta R.T. -0.008 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

Tgt Ion:	136	Resp:	92245
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.3	12.5
54	8.1	6.7	10.1
68	6.3	4.6	6.8





#23

Nitrobenzene-d5

Concen: 48.519 ng

RT: 9.530 min Scan# 1020

Delta R.T. -0.008 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

Instrument :

BNA_G

ClientSampleId :

SB09

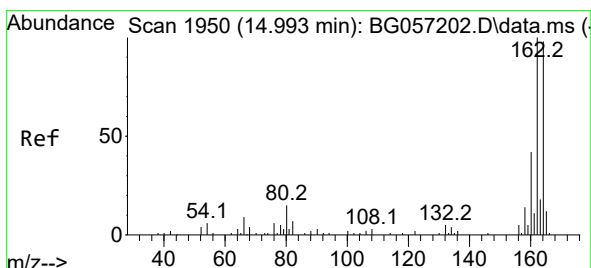
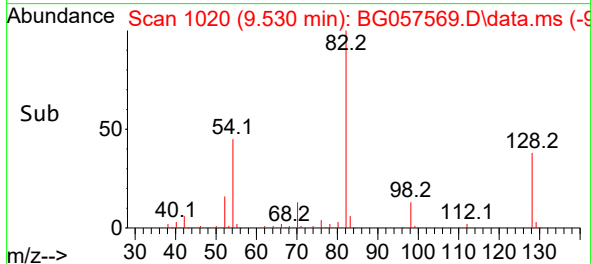
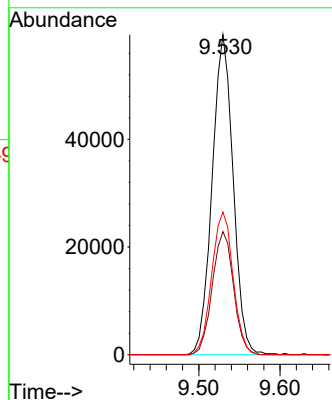
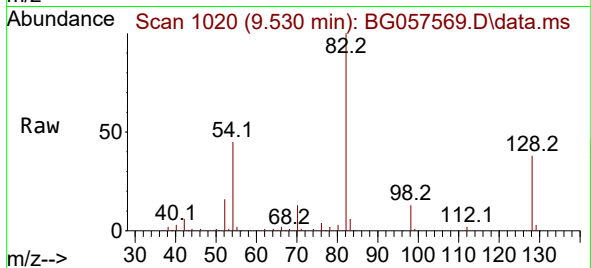
Tgt Ion: 82 Resp: 106637

Ion Ratio Lower Upper

82 100

128 38.4 29.0 43.4

54 44.6 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.963 min Scan# 1945

Delta R.T. -0.008 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

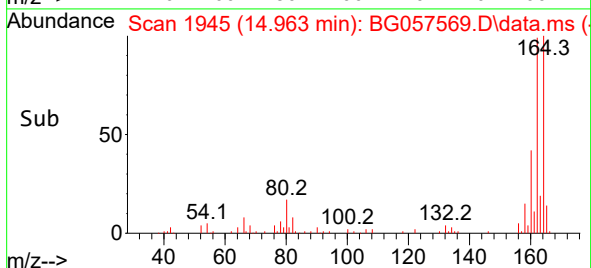
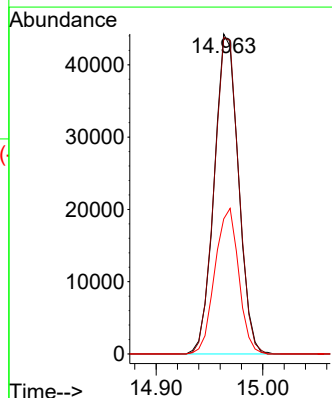
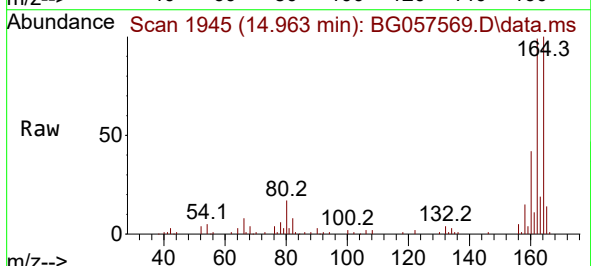
Tgt Ion:164 Resp: 69640

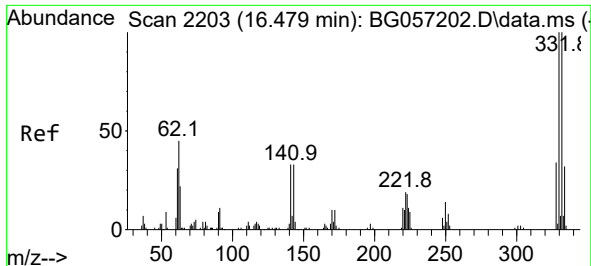
Ion Ratio Lower Upper

164 100

162 98.9 81.8 122.6

160 42.2 34.6 52.0

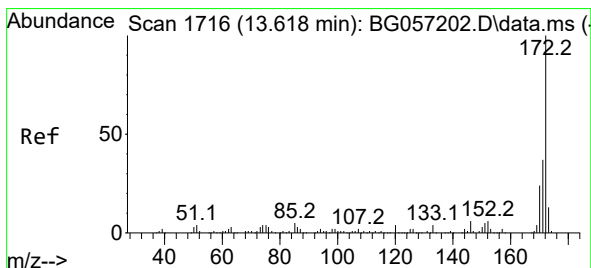
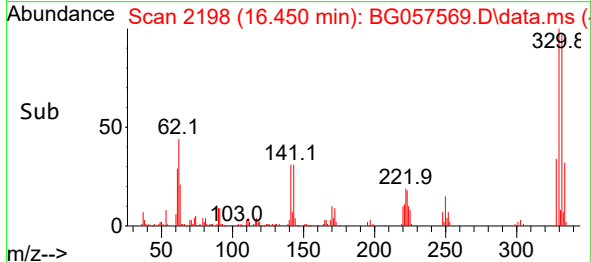
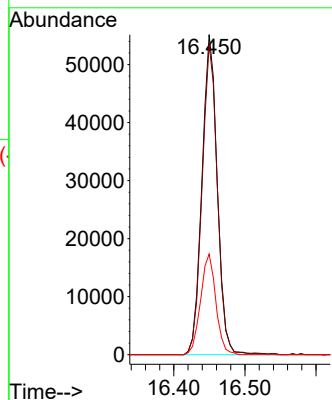
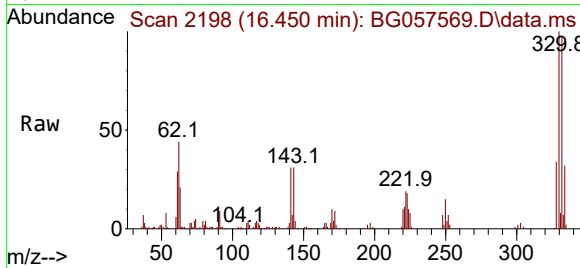




#42
2,4,6-Tribromophenol
Concen: 83.705 ng
RT: 16.450 min Scan# 2198
Delta R.T. -0.008 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

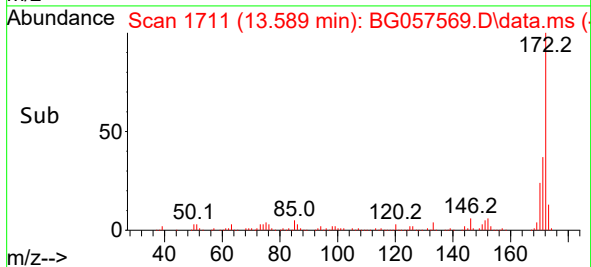
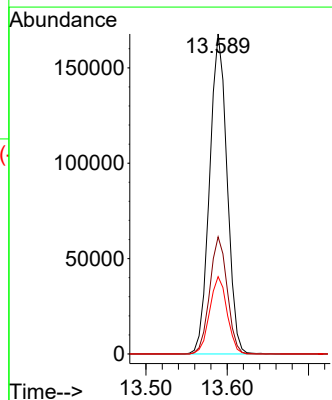
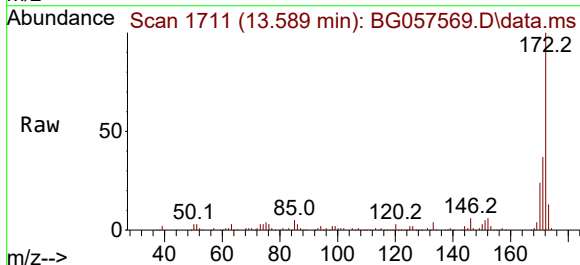
Instrument :
BNA_G
ClientSampleId :
SB09

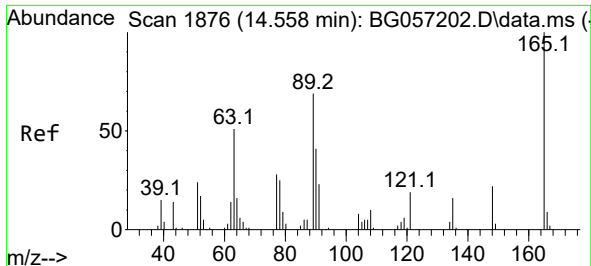
Tgt Ion:330 Resp: 82710
Ion Ratio Lower Upper
330 100
332 96.8 78.2 117.2
141 31.3 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 48.336 ng
RT: 13.589 min Scan# 1711
Delta R.T. -0.008 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

Tgt Ion:172 Resp: 249935
Ion Ratio Lower Upper
172 100
171 36.6 29.4 44.0
170 24.2 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.023 ng

RT: 14.963 min Scan# 1945

Delta R.T. 0.421 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

Instrument :

BNA_G

ClientSampleId :

SB09

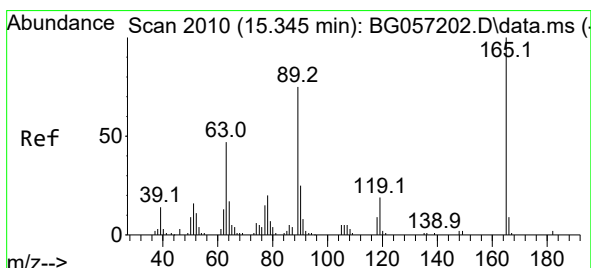
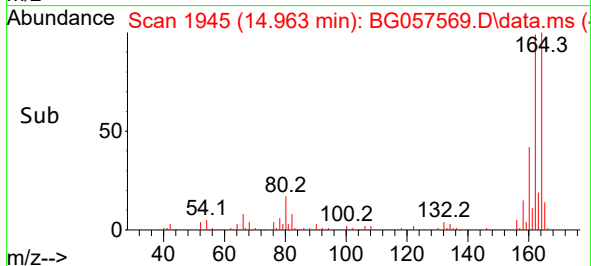
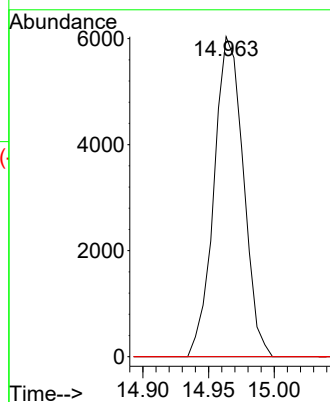
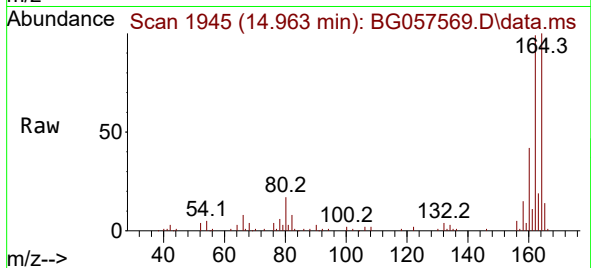
Tgt Ion:165 Resp: 9374

Ion Ratio Lower Upper

165 100

63 0.0 50.9 76.3#

89 0.0 55.2 82.8#



#57

2,4-Dinitrotoluene

Concen: 5.614 ng

RT: 14.963 min Scan# 1945

Delta R.T. -0.367 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

Tgt Ion:165 Resp: 9374

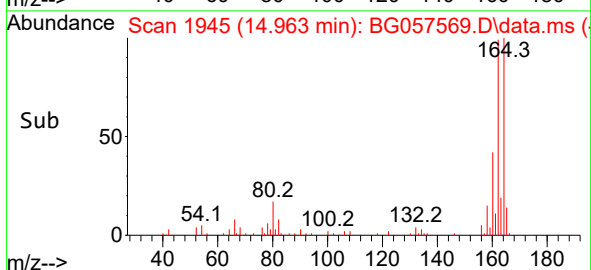
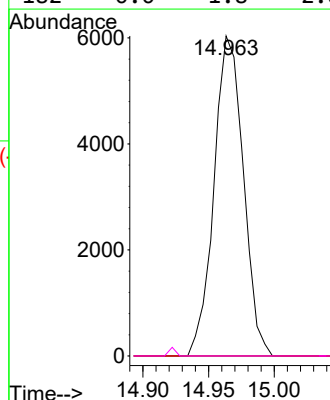
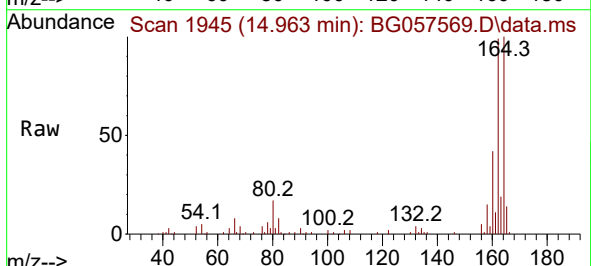
Ion Ratio Lower Upper

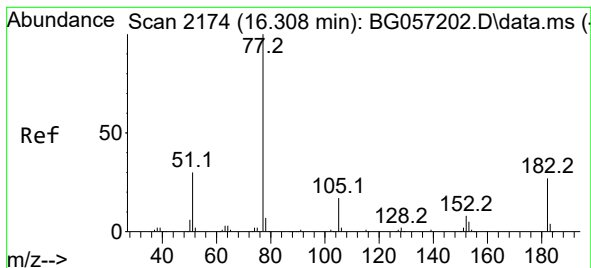
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#





#63

Azobenzene

Concen: 2.772 ng

RT: 16.303 min Scan# 2173

Delta R.T. 0.021 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

Instrument :

BNA_G

ClientSampleId :

SB09

Tgt Ion: 77 Resp: 15542

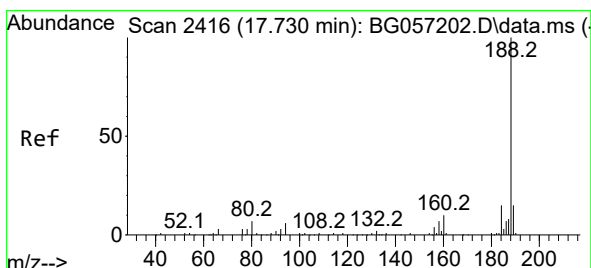
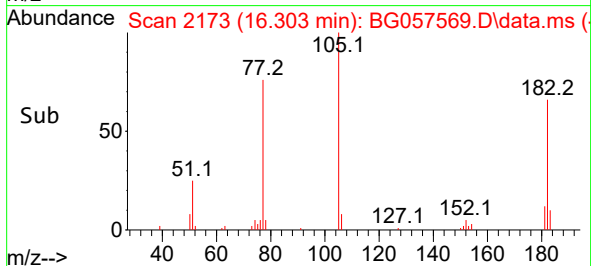
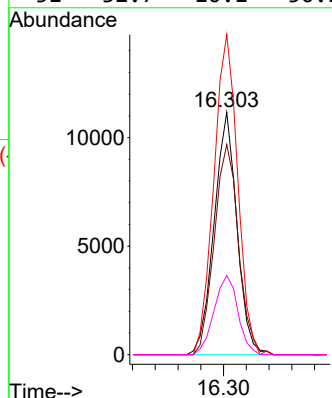
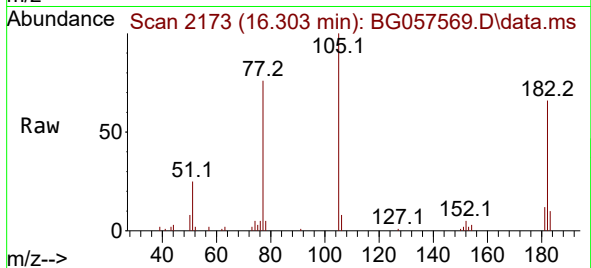
Ion Ratio Lower Upper

77 100

182 86.7 7.4 47.4#

105 132.0 0.0 37.2#

51 32.7 10.1 50.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.707 min Scan# 2412

Delta R.T. -0.002 min

Lab File: BG057569.D

Acq: 25 May 2023 22:39

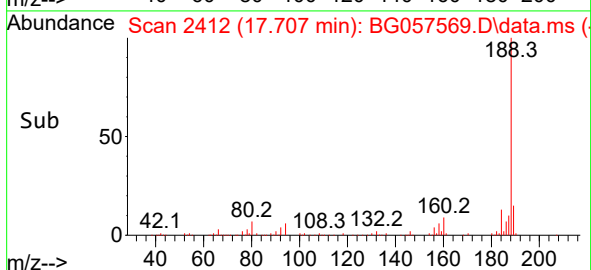
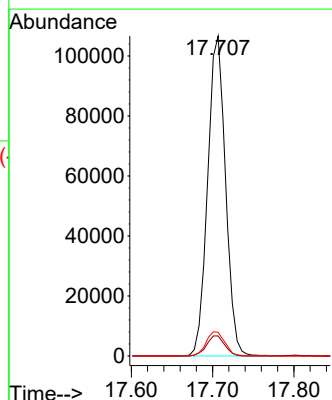
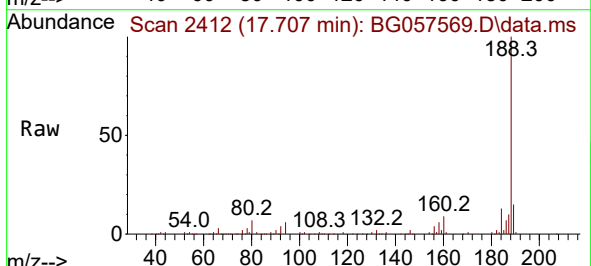
Tgt Ion:188 Resp: 162734

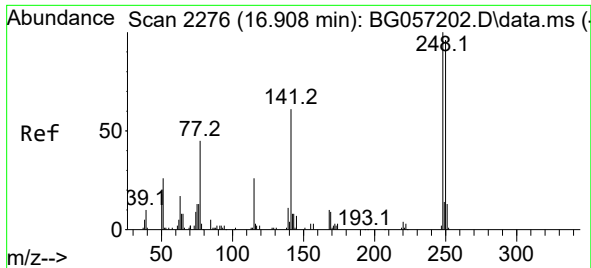
Ion Ratio Lower Upper

188 100

94 6.3 5.1 7.7

80 7.4 5.7 8.5

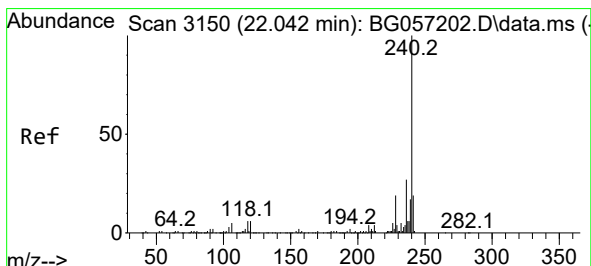
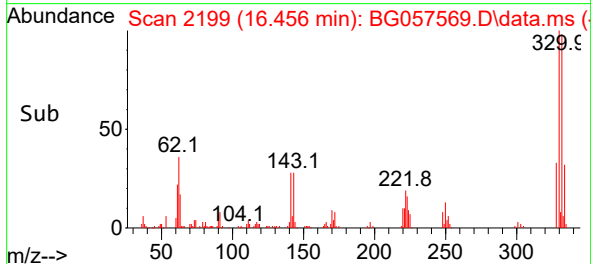
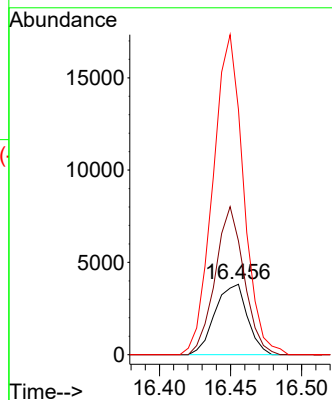
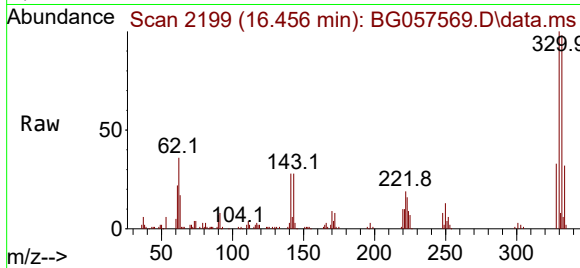




#67
4-Bromophenyl-phenylether
Concen: 3.039 ng
RT: 16.456 min Scan# 21199
Delta R.T. -0.431 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

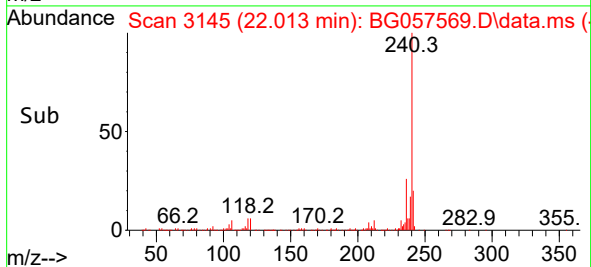
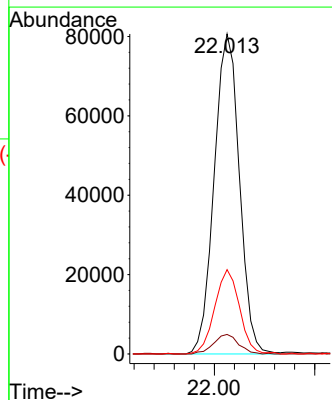
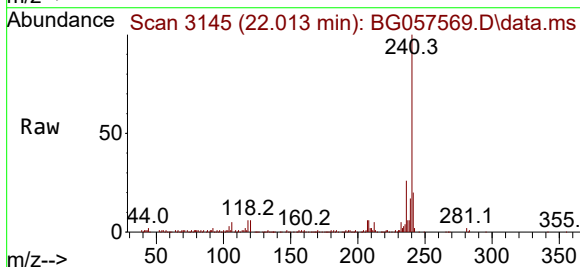
Instrument :
BNA_G
ClientSampleId :
SB09

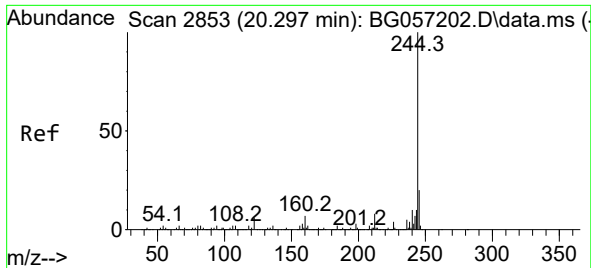
Tgt Ion:248 Resp: 6038
Ion Ratio Lower Upper
248 100
250 161.3 77.0 115.6#
141 348.1 48.6 72.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.013 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG057569.D
Acq: 25 May 2023 22:39

Tgt Ion:240 Resp: 140512
Ion Ratio Lower Upper
240 100
120 6.1 4.9 7.3
236 26.4 21.4 32.2

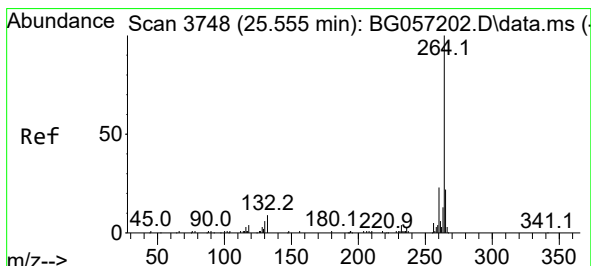
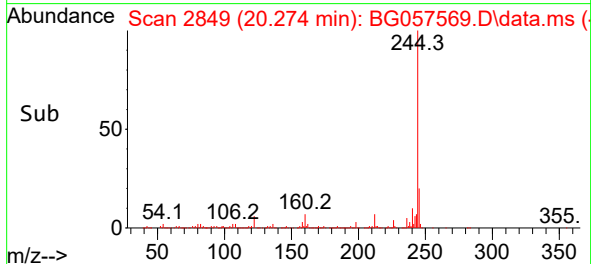
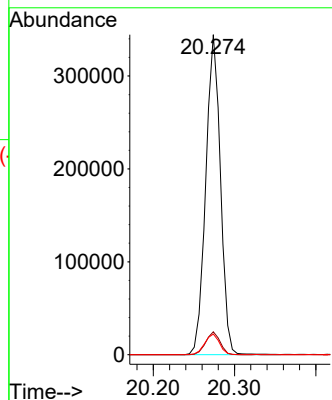
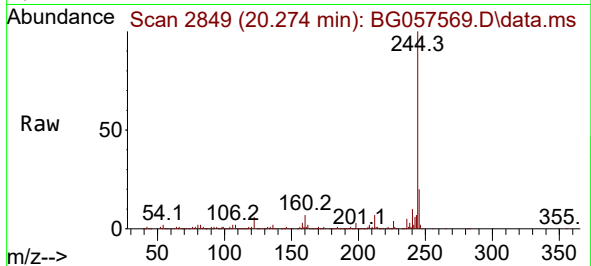




#79
 Terphenyl-d14
 Concen: 50.182 ng
 RT: 20.274 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG057569.D
 Acq: 25 May 2023 22:39

Instrument :
 BNA_G
 ClientSampleId :
 SB09

Tgt Ion:244 Resp: 432082
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 6.5 5.1 7.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.514 min Scan# 3741
 Delta R.T. -0.008 min
 Lab File: BG057569.D
 Acq: 25 May 2023 22:39

Tgt Ion:264 Resp: 150459
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.8 28.2
 265 21.8 17.9 26.9

