

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
 Data File : BG057519.D
 Acq On : 23 May 2023 14:34
 Operator : CG/JU
 Sample : 02867-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP15

Quant Time: May 23 15:52:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

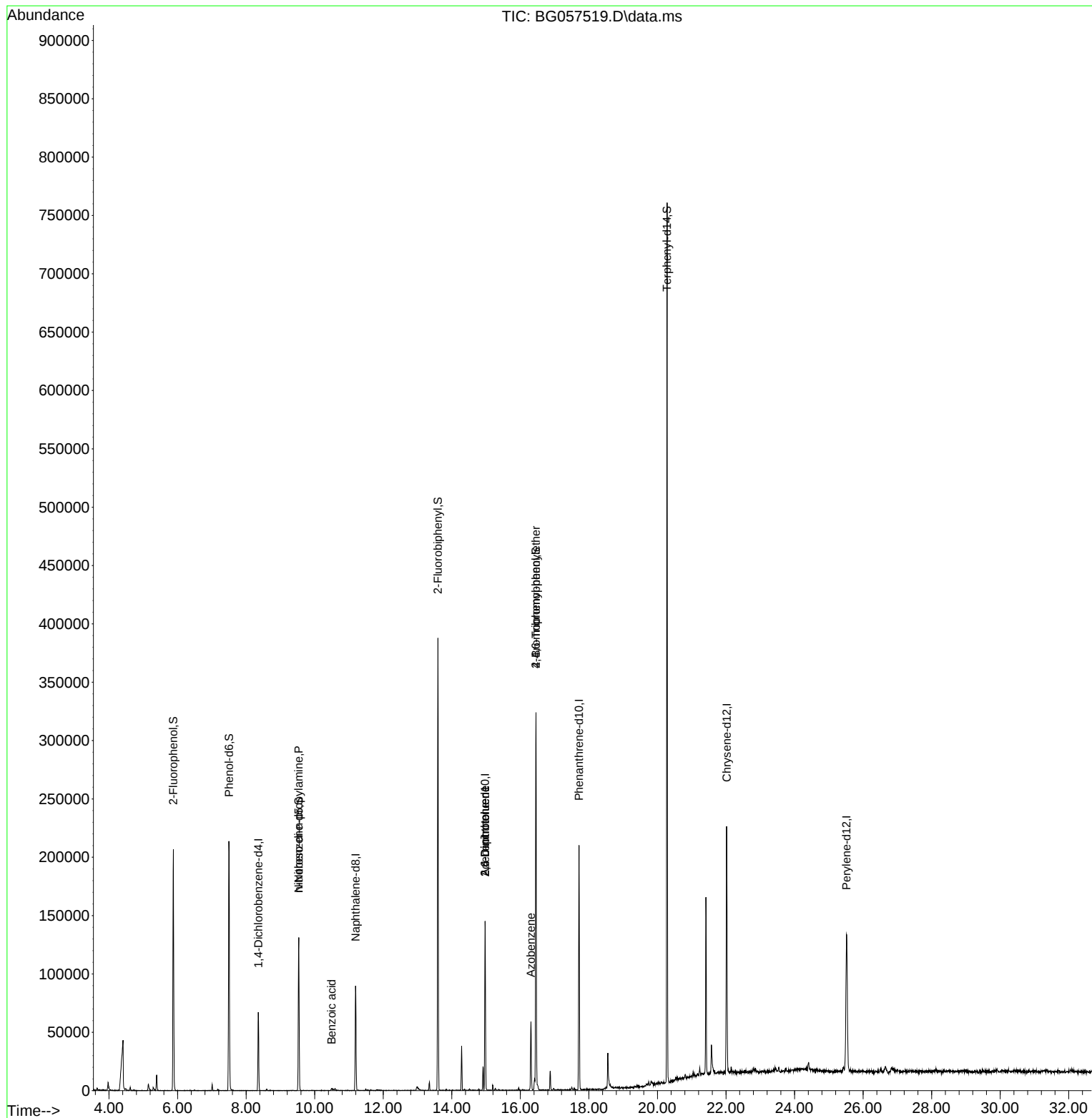
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.355	152	19564	20.000	ng	0.00
21) Naphthalene-d8	11.192	136	75899	20.000	ng	0.00
39) Acenaphthene-d10	14.969	164	54677	20.000	ng	0.00
64) Phenanthrene-d10	17.713	188	140403	20.000	ng	0.00
76) Chrysene-d12	22.019	240	138713	20.000	ng	0.00
86) Perylene-d12	25.514	264	148072	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	92053	80.488	ng	0.00
7) Phenol-d6	7.497	99	134583	77.492	ng	0.00
23) Nitrobenzene-d5	9.536	82	84210	46.567	ng	0.00
42) 2,4,6-Tribromophenol	16.456	330	68326	88.071	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	202035	49.765	ng	0.00
79) Terphenyl-d14	20.280	244	389080	45.774	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.497	77	468	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.536	70	11580	8.744	ng	# 78
32) Benzoic acid	10.493	122	653	5.551	ng	91
51) 2,6-Dinitrotoluene	14.969	165	7506	8.182	ng	# 19
57) 2,4-Dinitrotoluene	14.969	165	7506	5.725	ng	# 22
63) Azobenzene	16.309	77	18455	4.192	ng	# 1
67) 4-Bromophenyl-phenylether	16.456	248	5008	2.922	ng	# 1

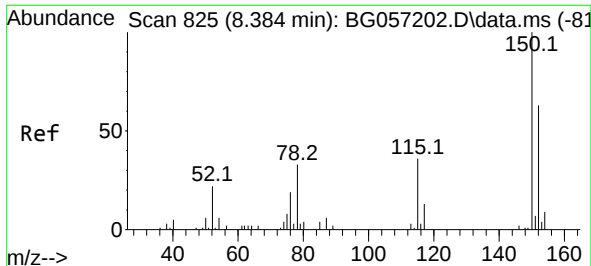
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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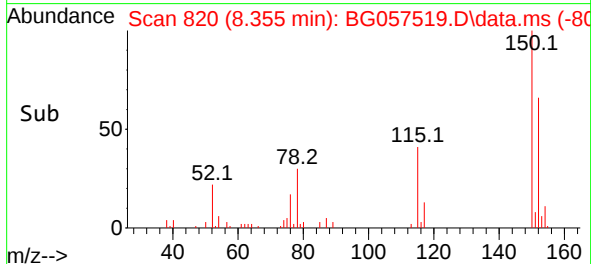
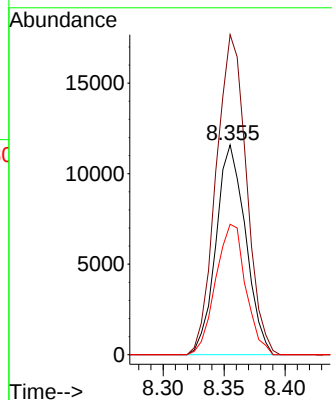
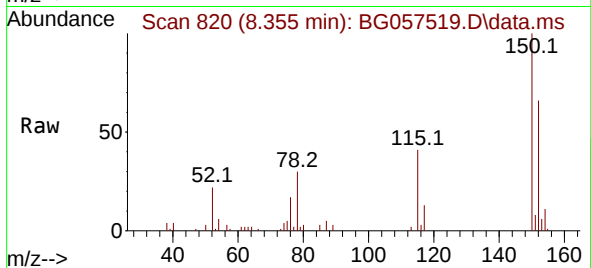




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.355 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

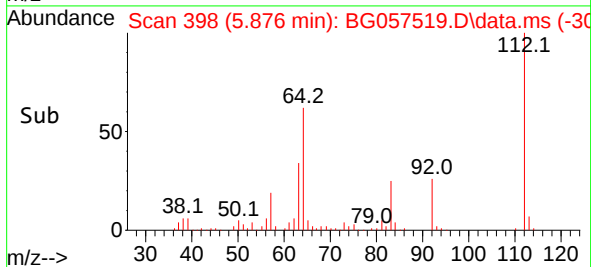
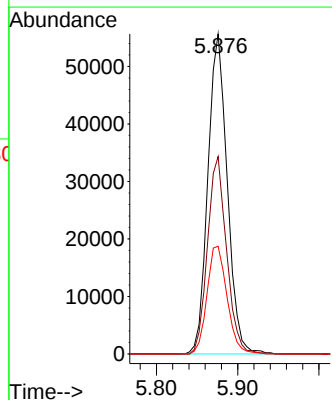
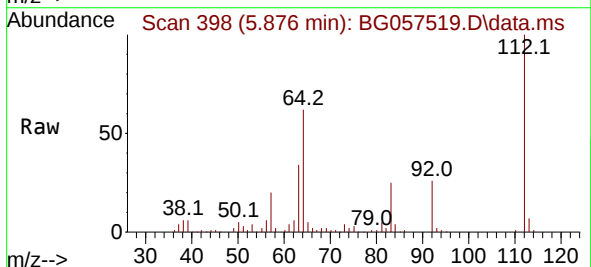
Instrument :
BNA_G
ClientSampleId :
TP15

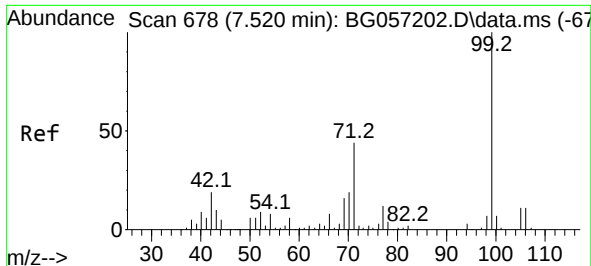
Tgt Ion:152 Resp: 19564
Ion Ratio Lower Upper
152 100
150 152.6 126.2 189.4
115 62.2 45.0 67.4



#5
2-Fluorophenol
Concen: 80.488 ng
RT: 5.876 min Scan# 398
Delta R.T. 0.005 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Tgt Ion:112 Resp: 92053
Ion Ratio Lower Upper
112 100
64 61.7 49.4 74.2
63 33.6 31.6 47.4

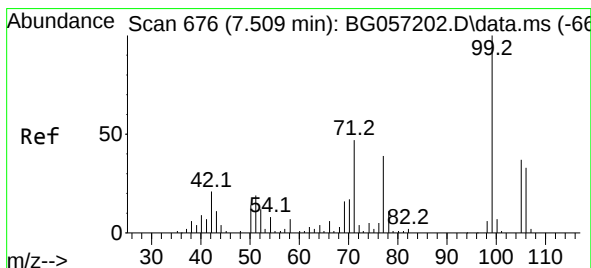
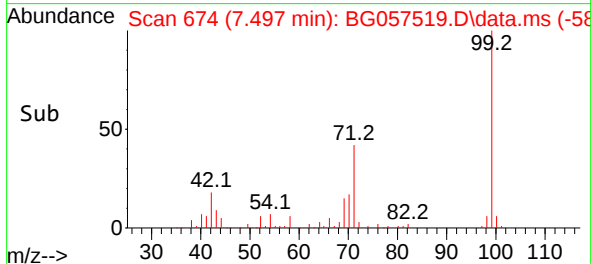
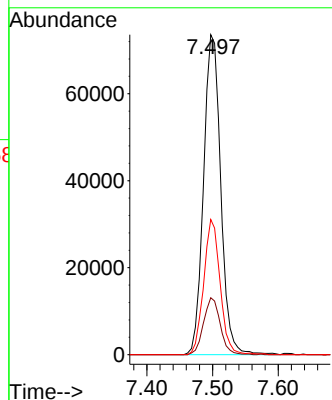
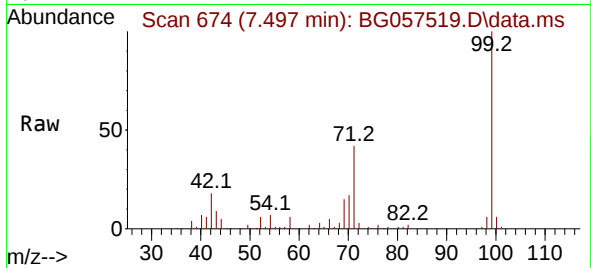




#7
Phenol-d6
Concen: 77.492 ng
RT: 7.497 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

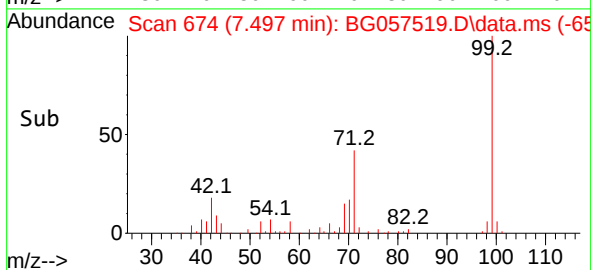
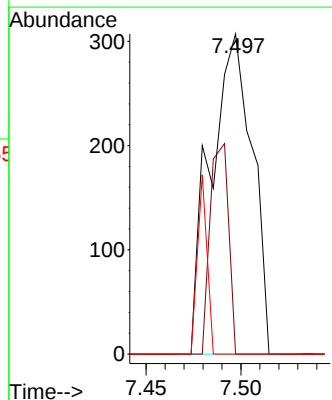
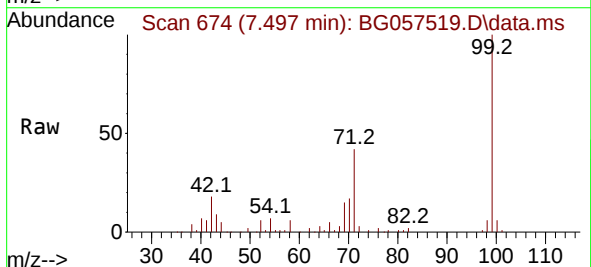
Instrument :
BNA_G
ClientSampleId :
TP15

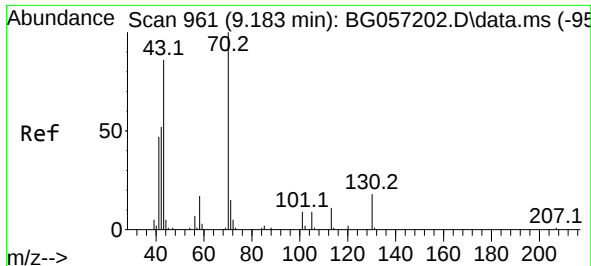
Tgt Ion: 99 Resp: 134583
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 42.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.497 min Scan# 674
Delta R.T. 0.011 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Tgt Ion: 77 Resp: 468
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

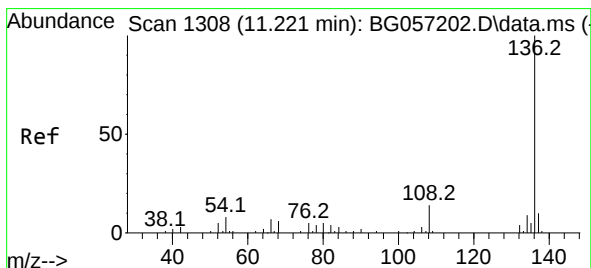
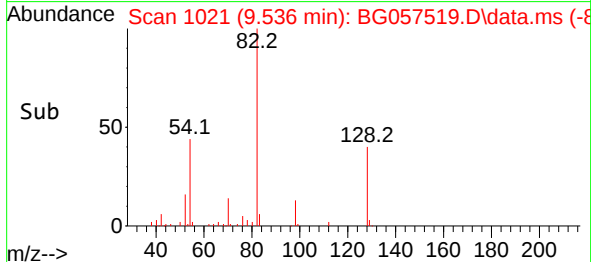
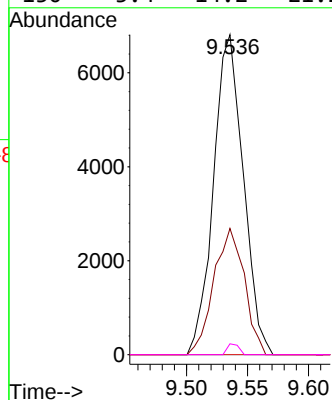
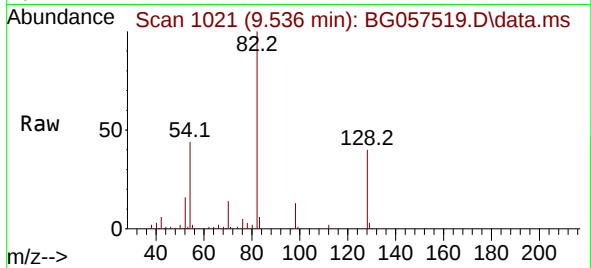




#19
n-Nitroso-di-n-propylamine
Concen: 8.744 ng
RT: 9.536 min Scan# 1021
Delta R.T. 0.375 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

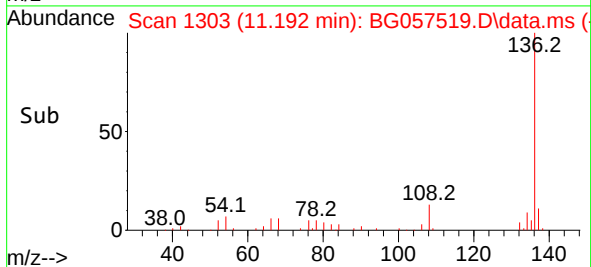
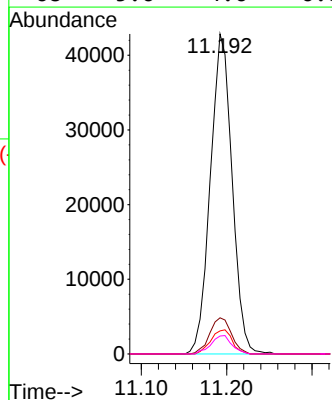
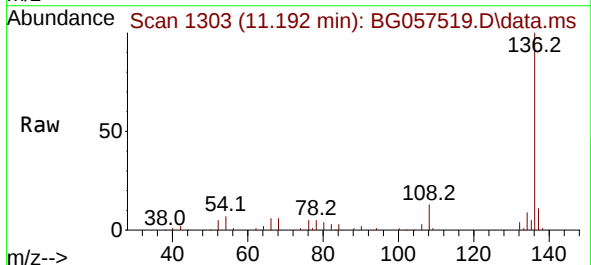
Instrument :
BNA_G
ClientSampleId :
TP15

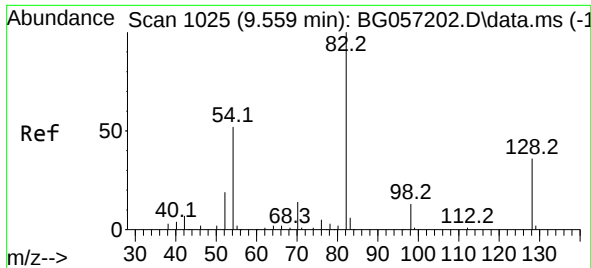
Tgt Ion: 70 Resp: 11580
Ion Ratio Lower Upper
70 100
42 39.5 41.8 62.8#
101 0.0 6.8 10.2#
130 3.4 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.192 min Scan# 1303
Delta R.T. -0.007 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Tgt Ion:136 Resp: 75899
Ion Ratio Lower Upper
136 100
137 11.3 8.3 12.5
54 7.2 6.7 10.1
68 5.6 4.6 6.8

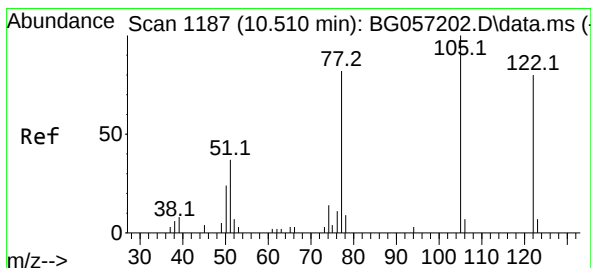
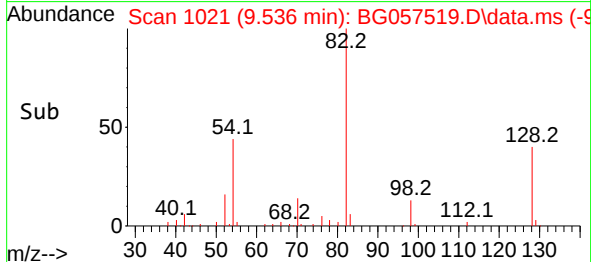
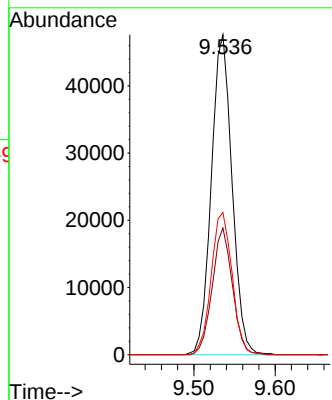
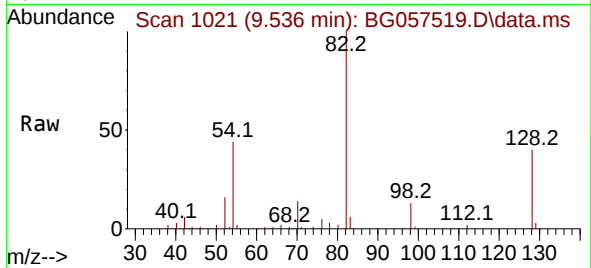




#23
Nitrobenzene-d5
Concen: 46.567 ng
RT: 9.536 min Scan# 1021
Delta R.T. -0.001 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

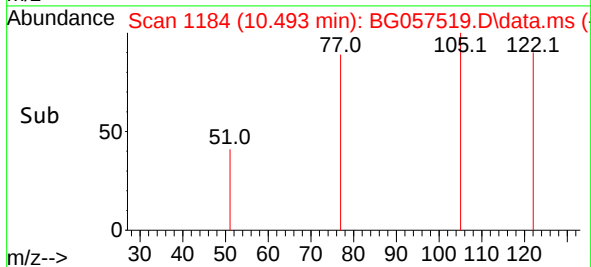
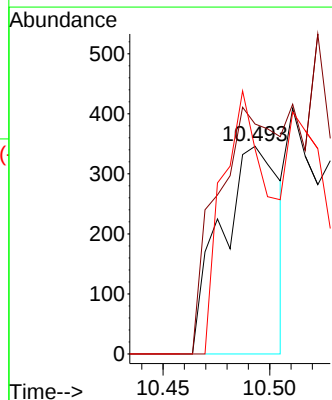
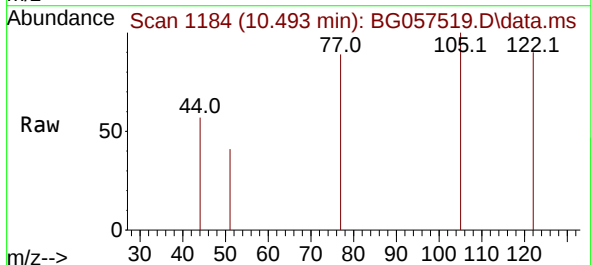
Instrument :
BNA_G
ClientSampleId :
TP15

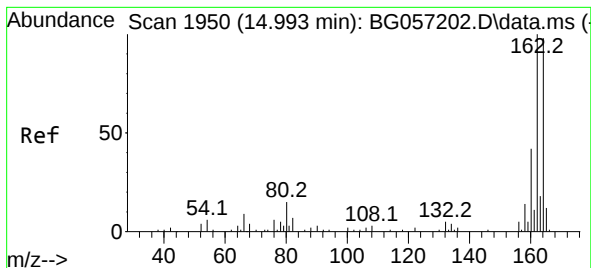
Tgt Ion: 82 Resp: 84210
Ion Ratio Lower Upper
82 100
128 39.6 29.0 43.4
54 44.4 41.4 62.0



#32
Benzoic acid
Concen: 5.551 ng
RT: 10.493 min Scan# 1184
Delta R.T. 0.005 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Tgt Ion:122 Resp: 653
Ion Ratio Lower Upper
122 100
105 110.7 105.2 145.2
77 98.6 83.1 123.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.007 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

Instrument :

BNA_G

ClientSampleId :

TP15

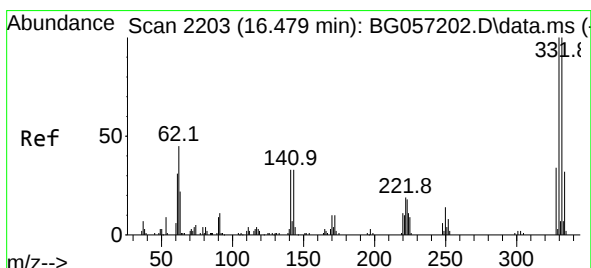
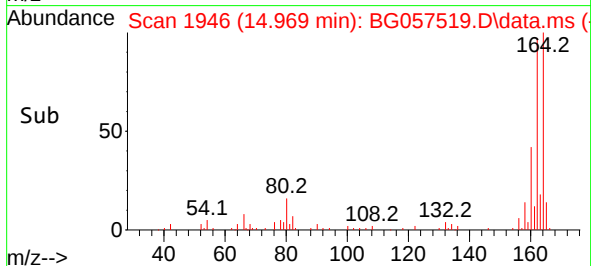
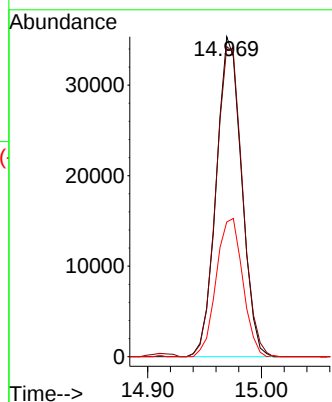
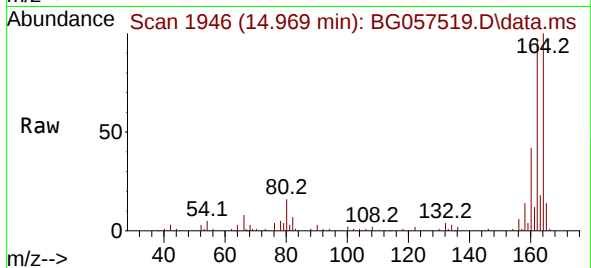
Tgt Ion:164 Resp: 54677

Ion Ratio Lower Upper

164 100

162 96.9 81.8 122.6

160 42.1 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 88.071 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.001 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

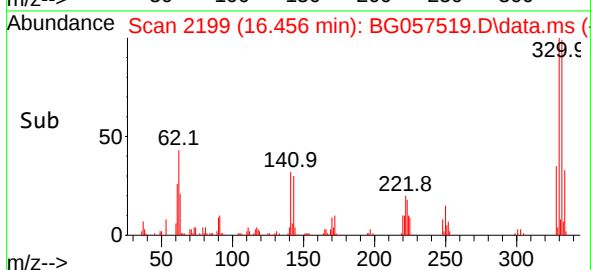
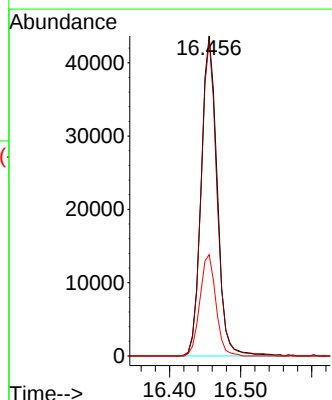
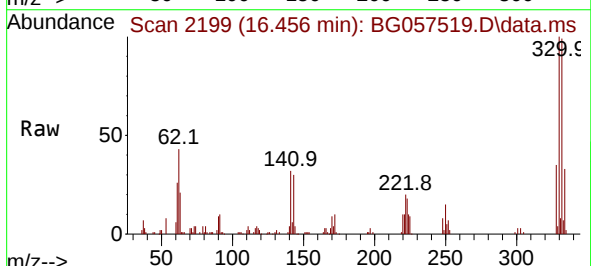
Tgt Ion:330 Resp: 68326

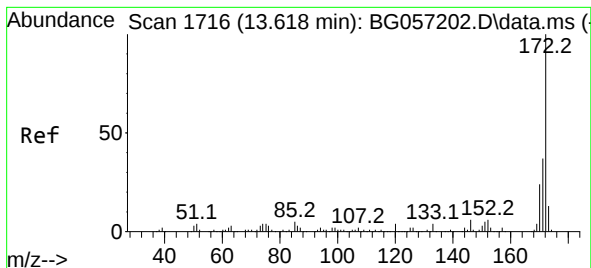
Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.2

141 31.5 27.8 41.8





#45

2-Fluorobiphenyl

Concen: 49.765 ng

RT: 13.595 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

Instrument :

BNA_G

ClientSampleId :

TP15

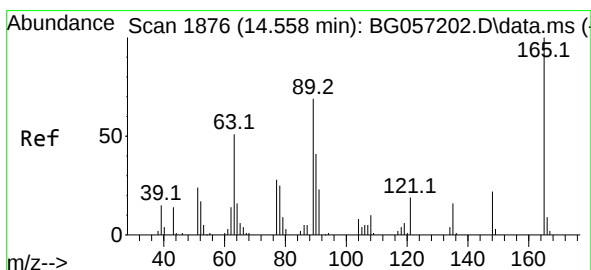
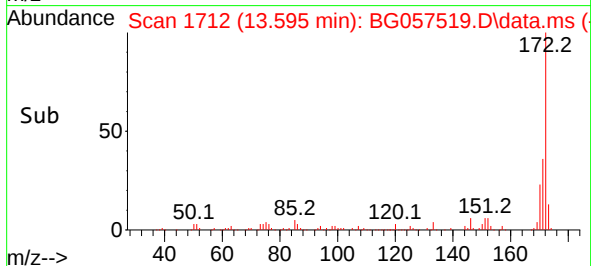
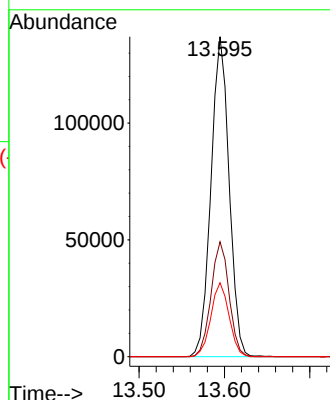
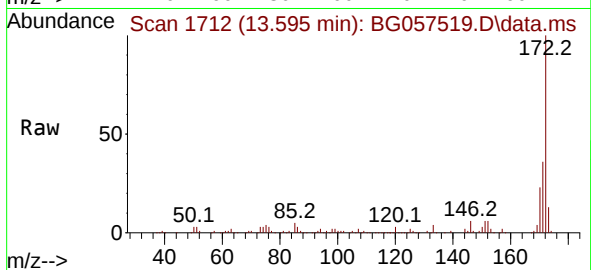
Tgt Ion:172 Resp: 202035

Ion Ratio Lower Upper

172 100

171 35.9 29.4 44.0

170 23.1 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.182 ng

RT: 14.969 min Scan# 1946

Delta R.T. 0.428 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

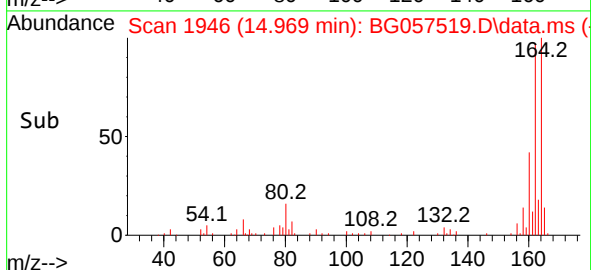
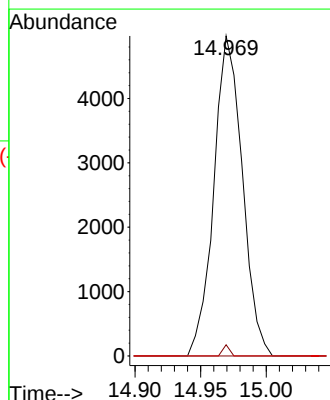
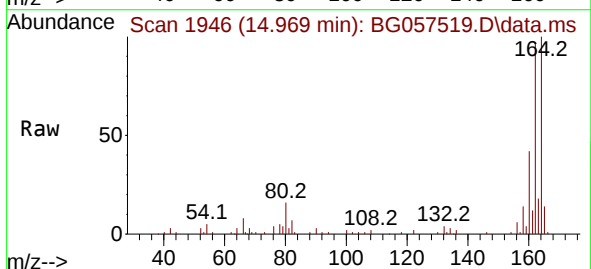
Tgt Ion:165 Resp: 7506

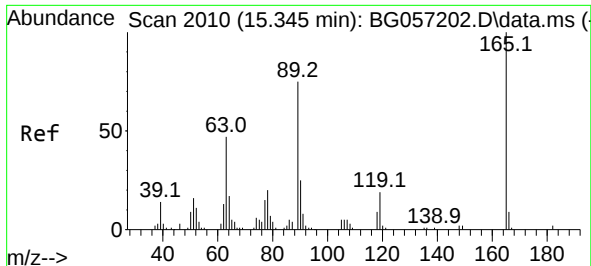
Ion Ratio Lower Upper

165 100

63 3.5 50.9 76.3#

89 0.0 55.2 82.8#





#57

2,4-Dinitrotoluene

Concen: 5.725 ng

RT: 14.969 min Scan# 1946

Delta R.T. -0.359 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

Instrument :

BNA_G

ClientSampleId :

TP15

Tgt Ion:165 Resp: 7506

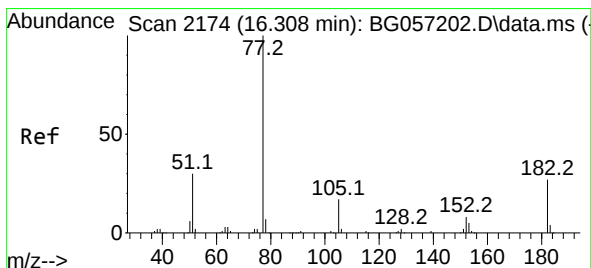
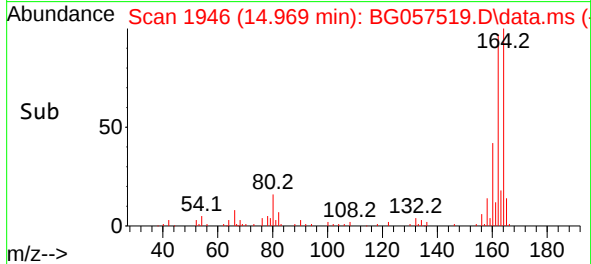
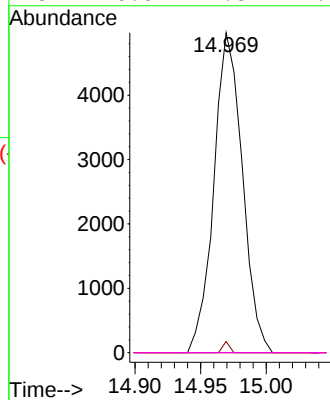
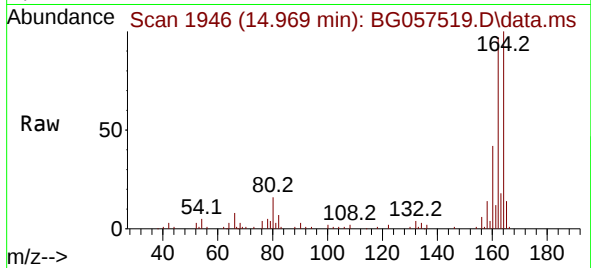
Ion Ratio Lower Upper

165 100

63 3.5 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#



#63

Azobenzene

Concen: 4.192 ng

RT: 16.309 min Scan# 2174

Delta R.T. 0.023 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

Tgt Ion: 77 Resp: 18455

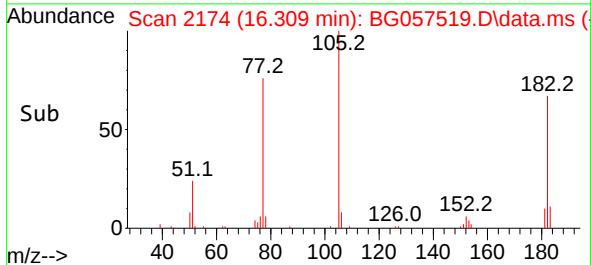
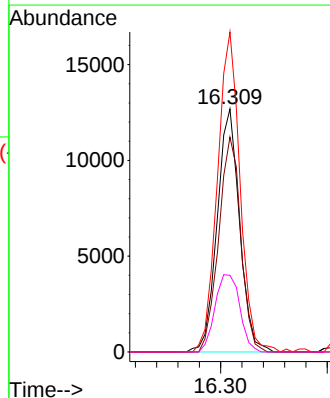
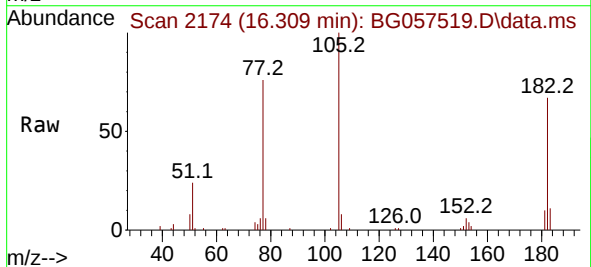
Ion Ratio Lower Upper

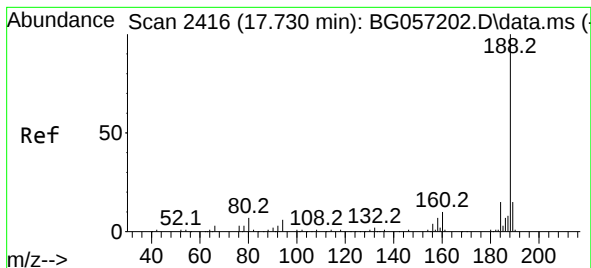
77 100

182 88.4 7.4 47.4#

105 131.6 0.0 37.2#

51 31.5 10.1 50.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.713 min Scan# 2416

Delta R.T. -0.001 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

Instrument :

BNA_G

ClientSampleId :

TP15

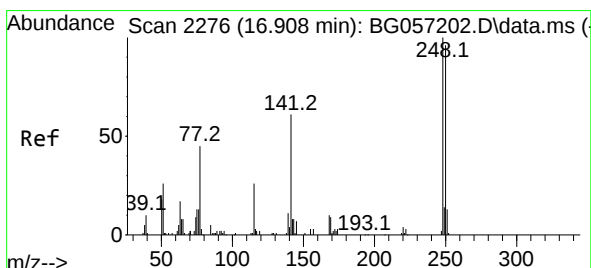
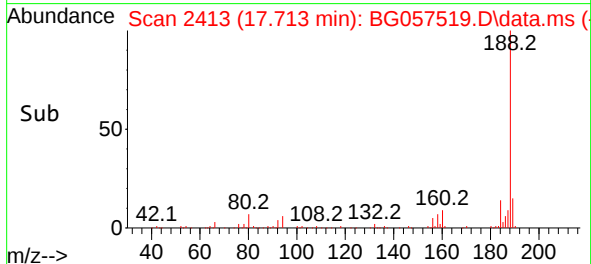
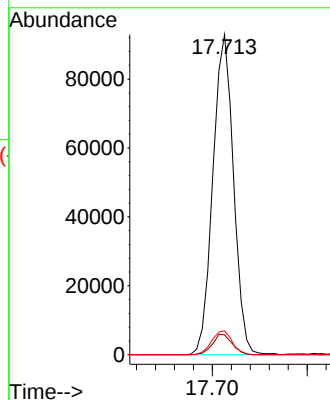
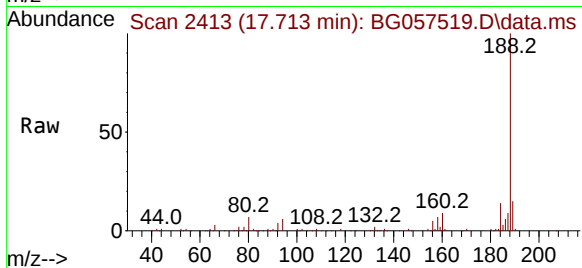
Tgt Ion:188 Resp: 140403

Ion Ratio Lower Upper

188 100

94 6.2 5.1 7.7

80 7.4 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 2.922 ng

RT: 16.456 min Scan# 2199

Delta R.T. -0.430 min

Lab File: BG057519.D

Acq: 23 May 2023 14:34

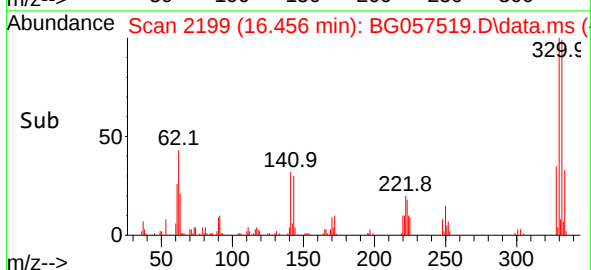
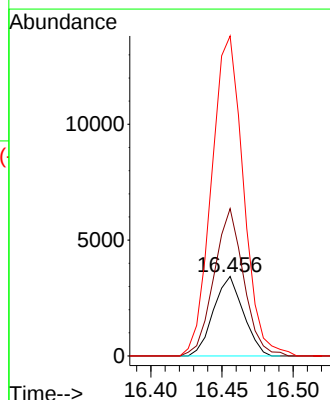
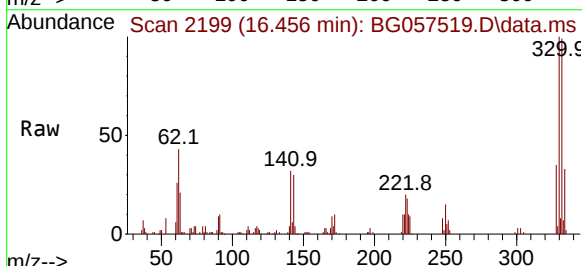
Tgt Ion:248 Resp: 5008

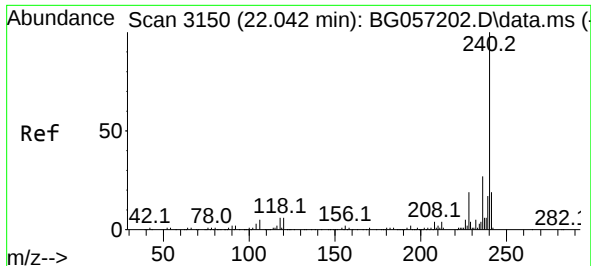
Ion Ratio Lower Upper

248 100

250 185.5 77.0 115.6#

141 402.5 48.6 72.8#

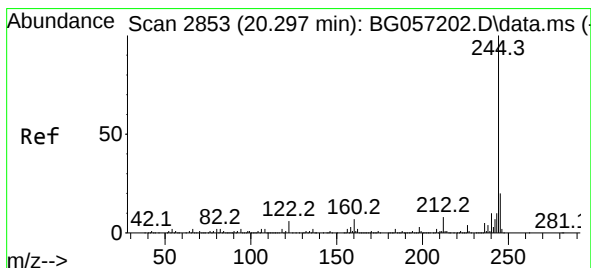
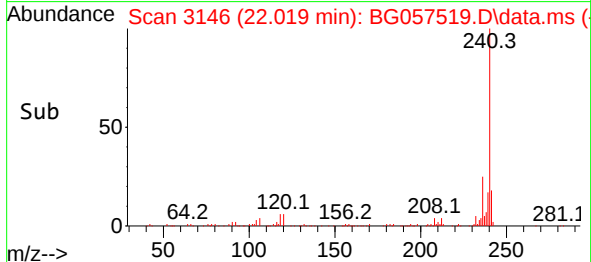
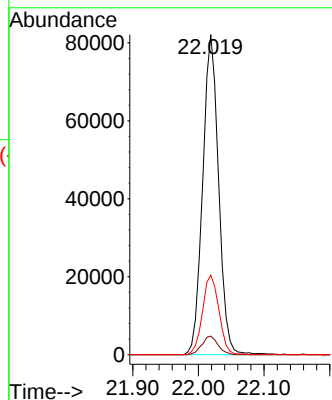
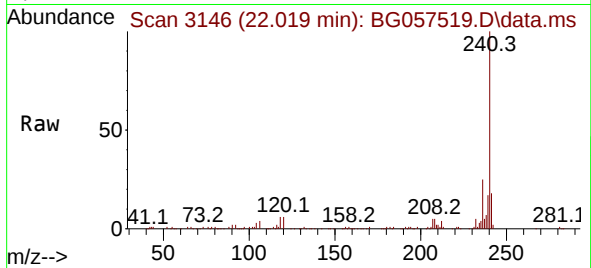




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.019 min Scan# 3150
Delta R.T. -0.001 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

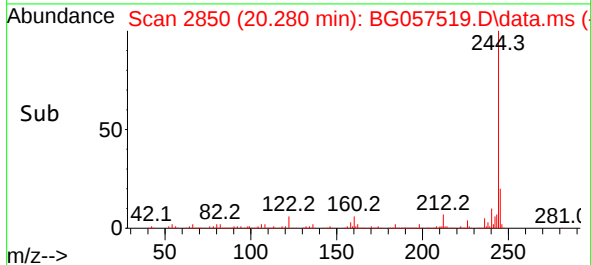
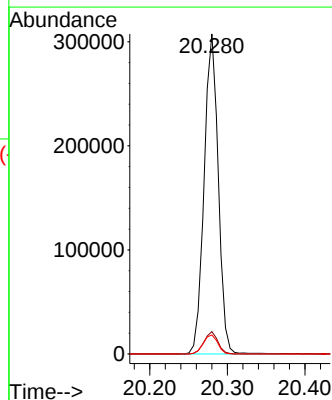
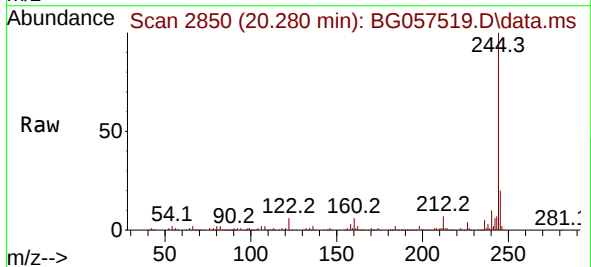
Instrument :
BNA_G
ClientSampleId :
TP15

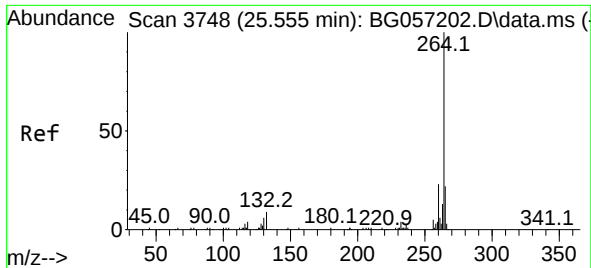
Tgt Ion:240 Resp: 138713
Ion Ratio Lower Upper
240 100
120 5.8 4.9 7.3
236 24.9 21.4 32.2



#79
Terphenyl-d14
Concen: 45.774 ng
RT: 20.280 min Scan# 2850
Delta R.T. -0.001 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Tgt Ion:244 Resp: 389080
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 5.9 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.514 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG057519.D
Acq: 23 May 2023 14:34

Instrument :
BNA_G
ClientSampleId :
TP15

Tgt Ion:264 Resp: 148072
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 20.8 17.9 26.9

