

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
 Data File : BG057419.D
 Acq On : 12 May 2023 21:43
 Operator : CG/JU
 Sample : PB152721BL
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152721BL

Quant Time: May 12 22:52:45 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 12 22:04:03 2023
 Response via : Initial Calibration

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

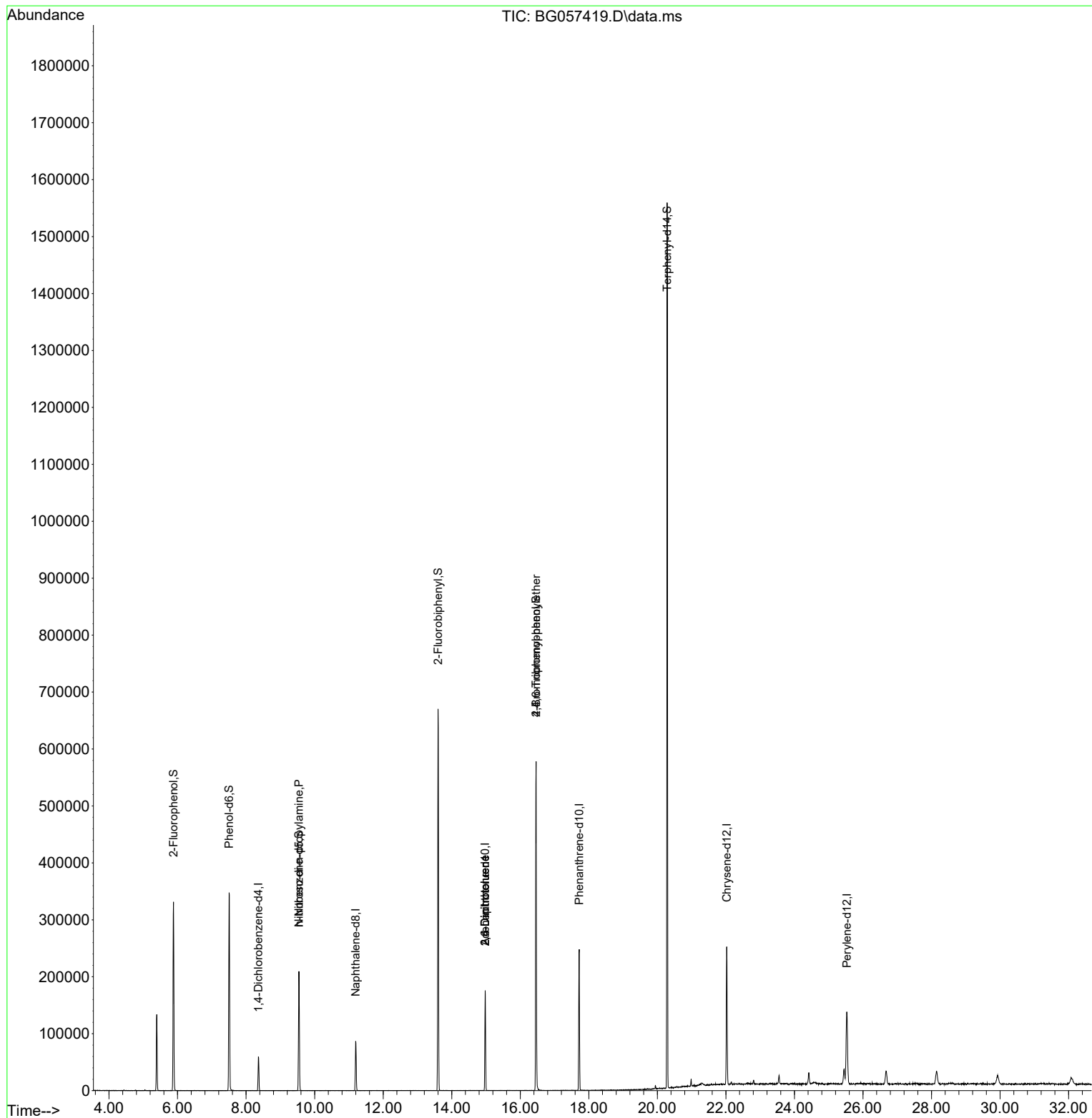
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	17753	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	76114	20.000	ng	0.00
39) Acenaphthene-d10	14.976	164	63511	20.000	ng	0.00
64) Phenanthrene-d10	17.719	188	170808	20.000	ng	0.00
76) Chrysene-d12	22.025	240	159569	20.000	ng	0.00
86) Perylene-d12	25.532	264	158789	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.882	112	144005	138.758	ng	0.00
7) Phenol-d6	7.503	99	210658	133.669	ng	0.00
23) Nitrobenzene-d5	9.542	82	134575	74.207	ng	0.00
42) 2,4,6-Tribromophenol	16.462	330	121570	134.905	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	363973	77.183	ng	0.00
79) Terphenyl-d14	20.286	244	781015	79.875	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.509	77	260	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.542	70	19443	16.180	ng	# 78
51) 2,6-Dinitrotoluene	14.976	165	8529	8.004	ng	# 17
57) 2,4-Dinitrotoluene	14.976	165	8529	5.600	ng	# 20
67) 4-Bromophenyl-phenylether	16.462	248	8295	3.978	ng	# 1

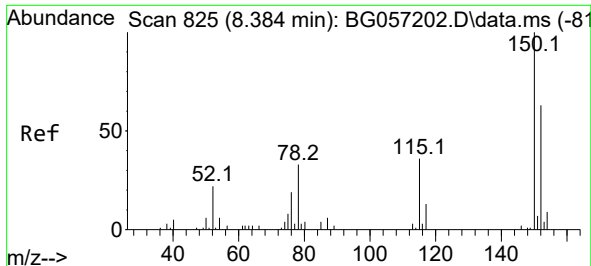
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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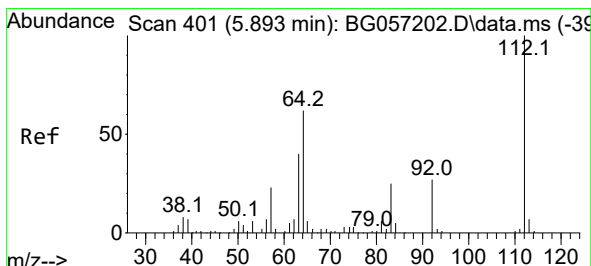
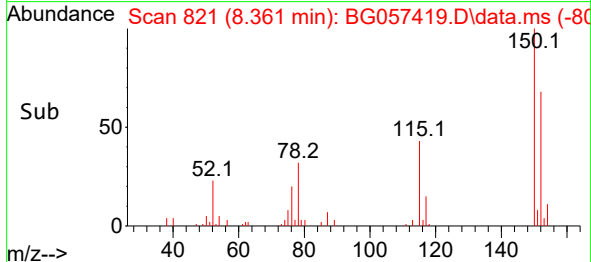
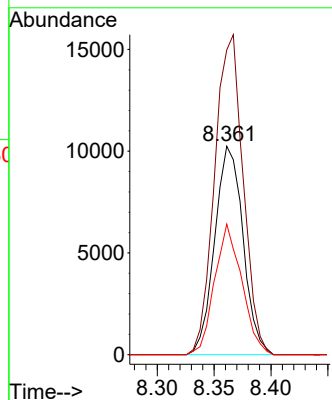
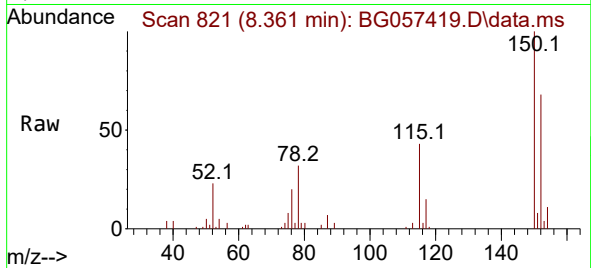




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

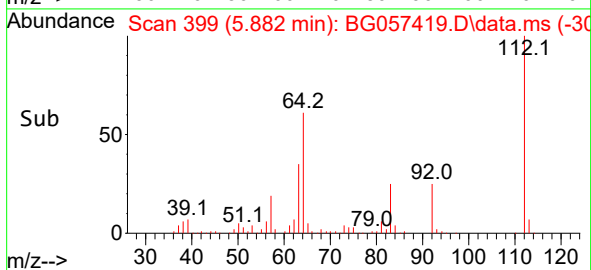
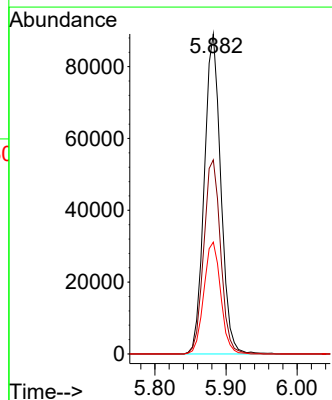
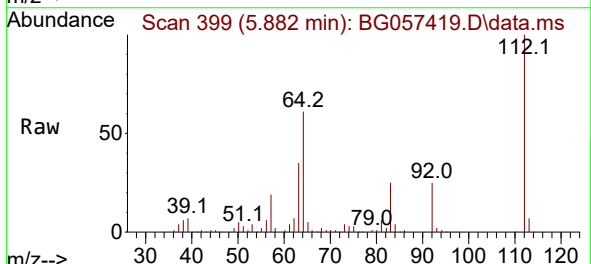
Instrument :
BNA_G
ClientSampleId :
PB152721BL

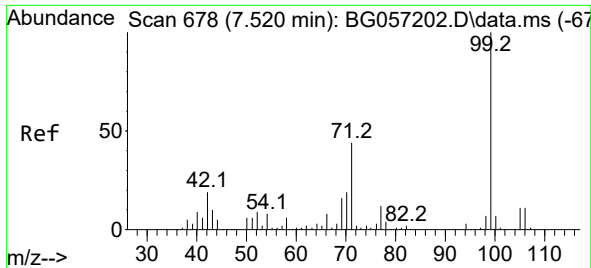
Tgt Ion:152 Resp: 17753
Ion Ratio Lower Upper
152 100
150 146.2 126.2 189.4
115 62.6 45.0 67.4



#5
2-Fluorophenol
Concen: 138.758 ng
RT: 5.882 min Scan# 399
Delta R.T. 0.004 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

Tgt Ion:112 Resp: 144005
Ion Ratio Lower Upper
112 100
64 60.7 49.4 74.2
63 35.0 31.6 47.4

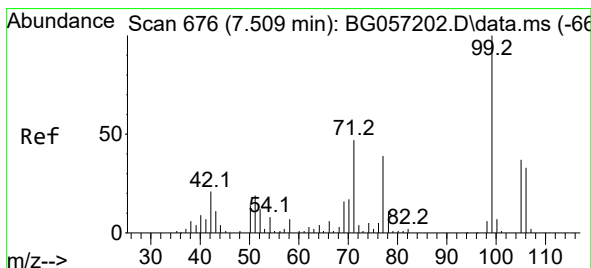
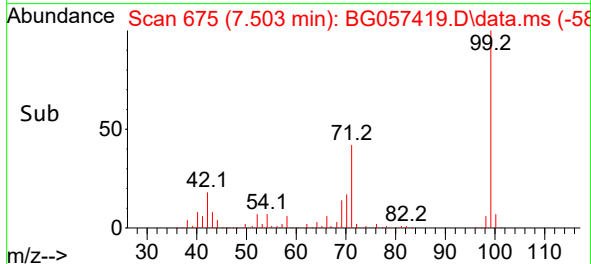
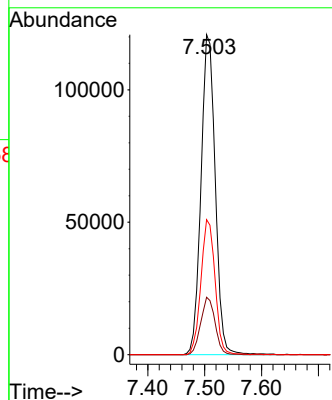
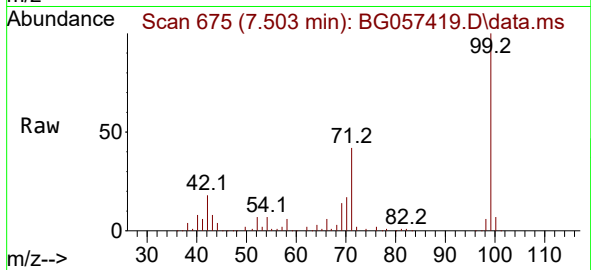




#7
Phenol-d6
Concen: 133.669 ng
RT: 7.503 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

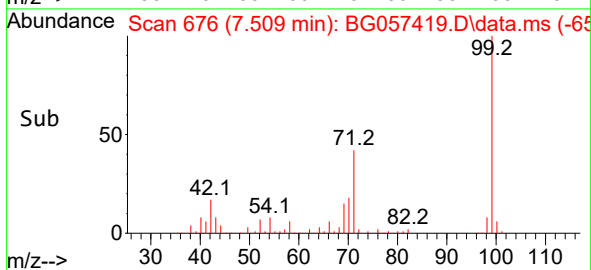
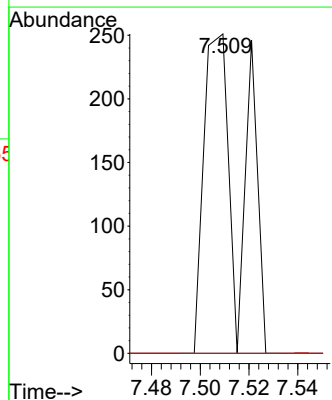
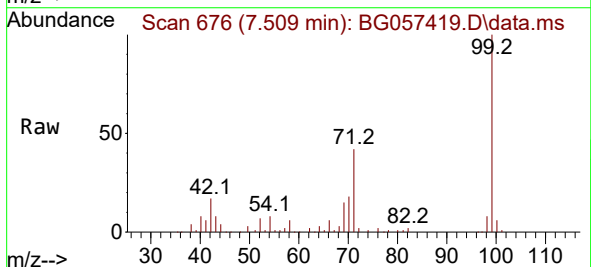
Instrument :
BNA_G
ClientSampleId :
PB152721BL

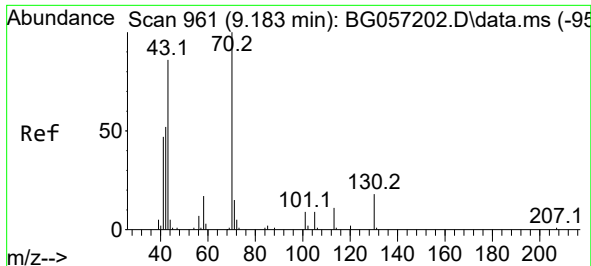
Tgt Ion: 99 Resp: 210658
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 42.2 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.509 min Scan# 676
Delta R.T. 0.021 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

Tgt Ion: 77 Resp: 260
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

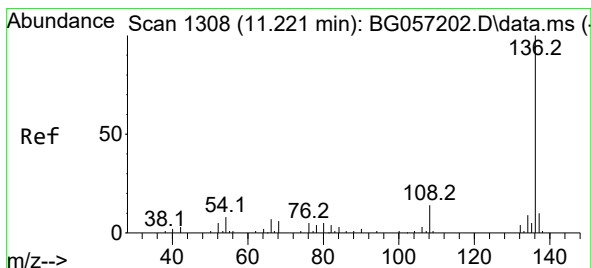
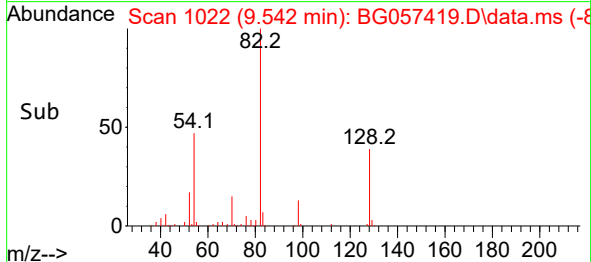
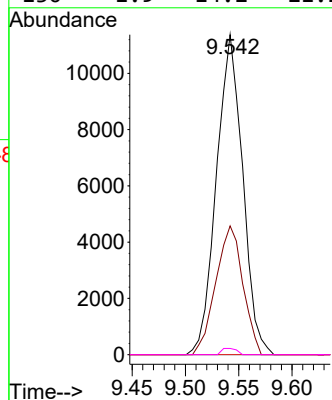
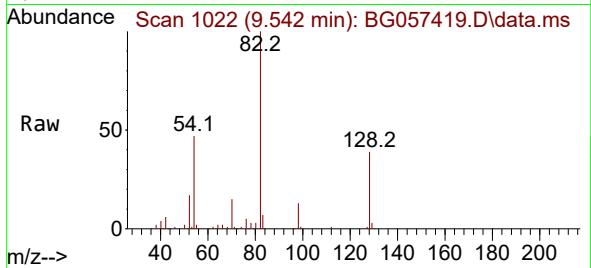




#19
n-Nitroso-di-n-propylamine
Concen: 16.180 ng
RT: 9.542 min Scan# 1022
Delta R.T. 0.374 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

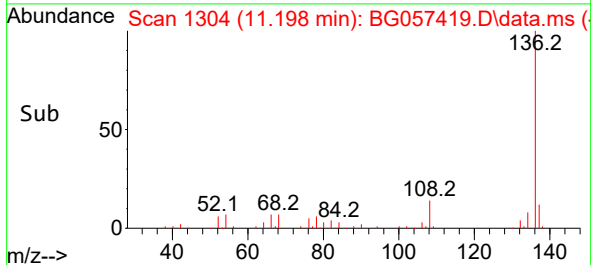
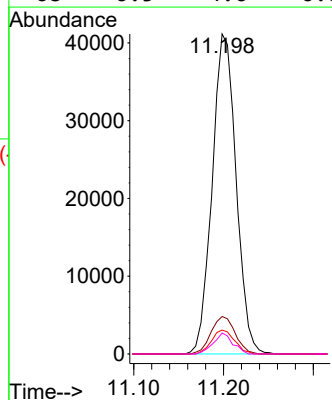
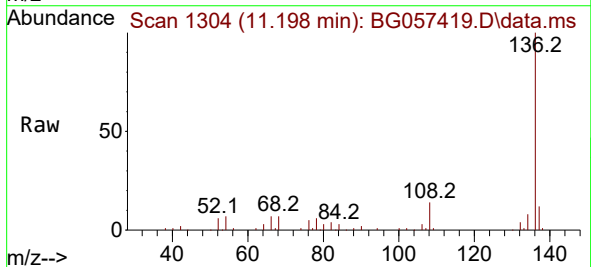
Instrument :
BNA_G
ClientSampleId :
PB152721BL

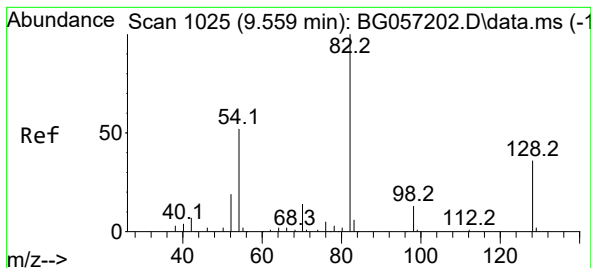
Tgt Ion: 70 Resp: 19443
Ion Ratio Lower Upper
70 100
42 40.2 41.8 62.8#
101 0.0 6.8 10.2#
130 1.9 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1304
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

Tgt Ion: 136 Resp: 76114
Ion Ratio Lower Upper
136 100
137 11.7 8.3 12.5
54 7.4 6.7 10.1
68 6.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 74.207 ng

RT: 9.542 min Scan# 1022

Delta R.T. -0.002 min

Lab File: BG057419.D

Acq: 12 May 2023 21:43

Instrument :

BNA_G

ClientSampleId :

PB152721BL

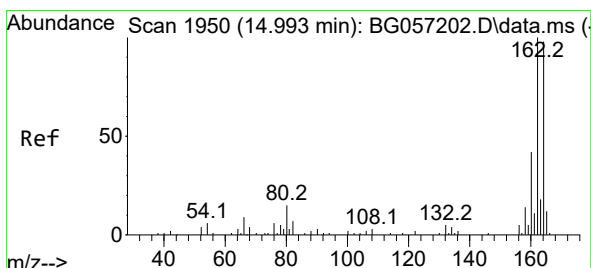
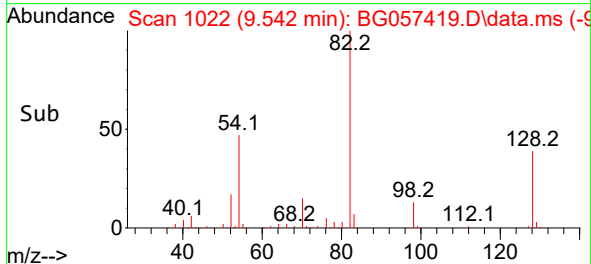
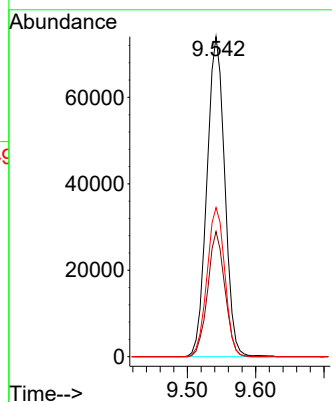
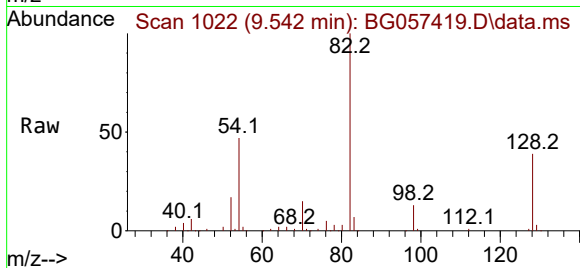
Tgt Ion: 82 Resp: 134575

Ion Ratio Lower Upper

82 100

128 39.1 29.0 43.4

54 46.6 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.976 min Scan# 1947

Delta R.T. -0.002 min

Lab File: BG057419.D

Acq: 12 May 2023 21:43

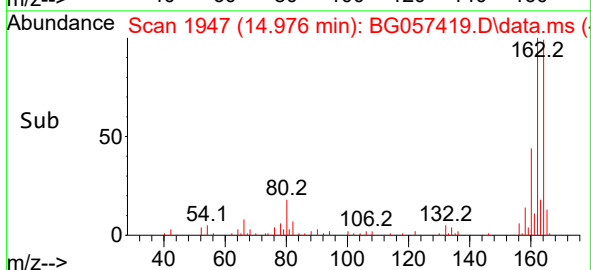
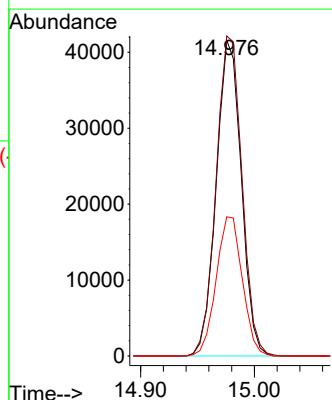
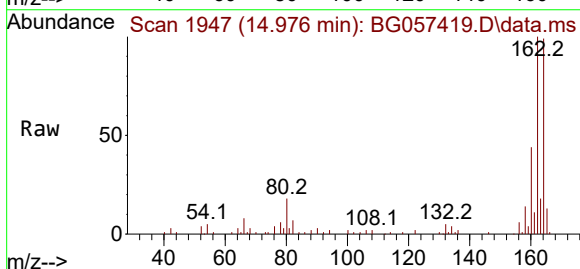
Tgt Ion:164 Resp: 63511

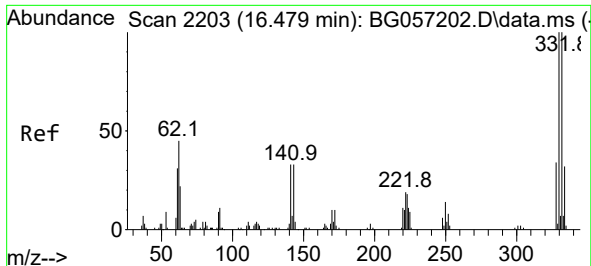
Ion Ratio Lower Upper

164 100

162 101.3 81.8 122.6

160 44.1 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 134.905 ng

RT: 16.462 min Scan# 21

Delta R.T. -0.002 min

Lab File: BG057419.D

Acq: 12 May 2023 21:43

Instrument :

BNA_G

ClientSampleId :

PB152721BL

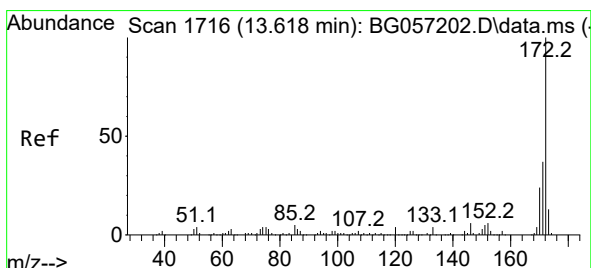
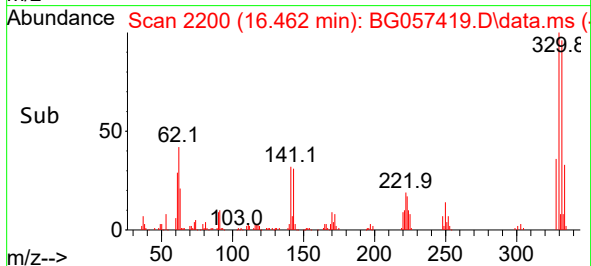
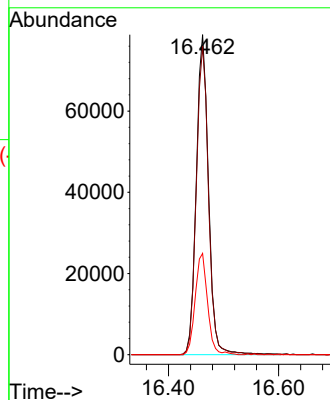
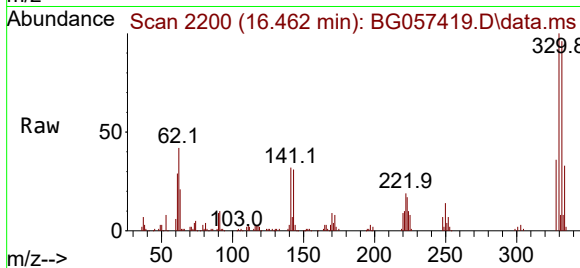
Tgt Ion:330 Resp: 121570

Ion Ratio Lower Upper

330 100

332 96.4 78.2 117.2

141 32.0 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 77.183 ng

RT: 13.601 min Scan# 1713

Delta R.T. -0.002 min

Lab File: BG057419.D

Acq: 12 May 2023 21:43

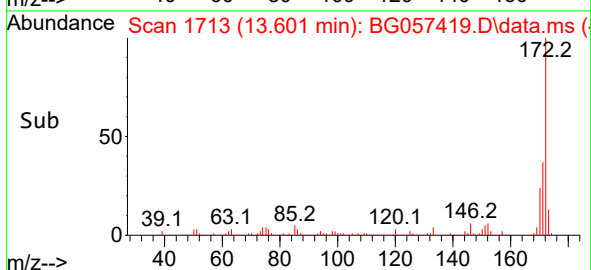
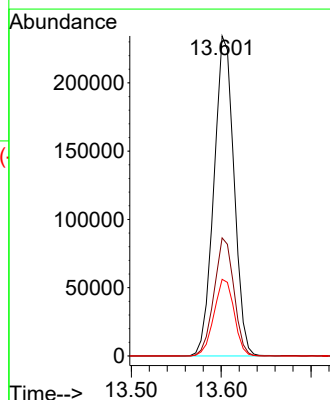
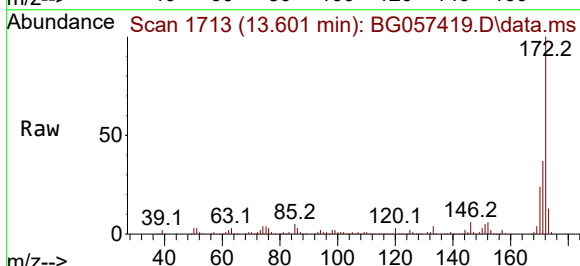
Tgt Ion:172 Resp: 363973

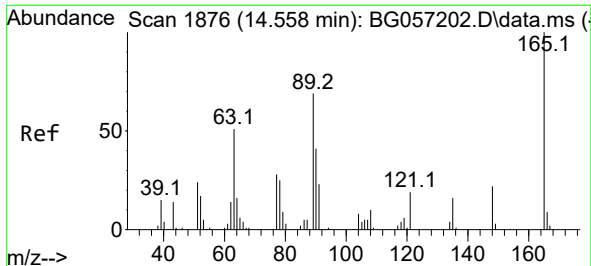
Ion Ratio Lower Upper

172 100

171 36.9 29.4 44.0

170 24.0 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.004 ng

RT: 14.976 min Scan# 1947

Delta R.T. 0.427 min

Lab File: BG057419.D

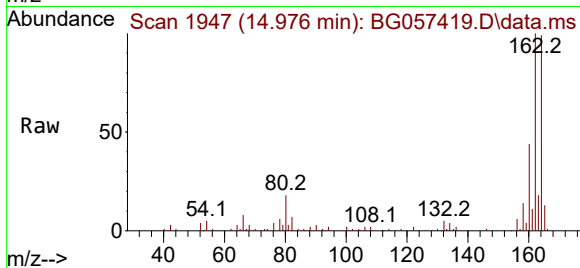
Acq: 12 May 2023 21:43

Instrument :

BNA_G

ClientSampleId :

PB152721BL



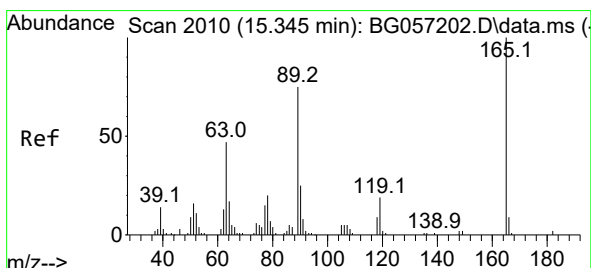
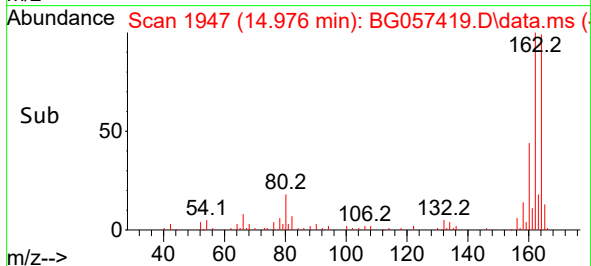
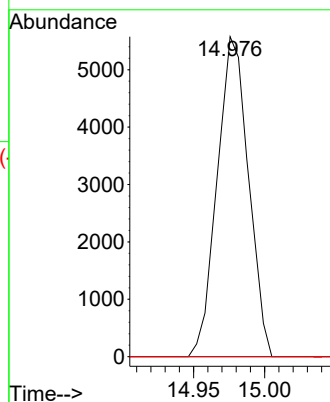
Tgt Ion:165 Resp: 8529

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: 5.600 ng

RT: 14.976 min Scan# 1947

Delta R.T. -0.361 min

Lab File: BG057419.D

Acq: 12 May 2023 21:43

Tgt Ion:165 Resp: 8529

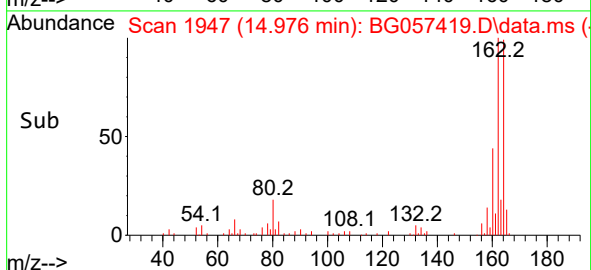
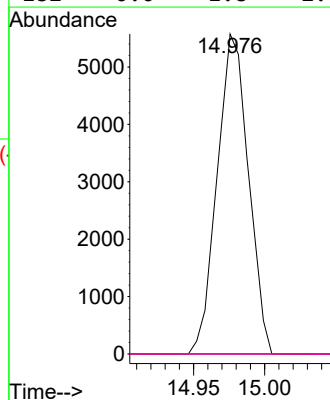
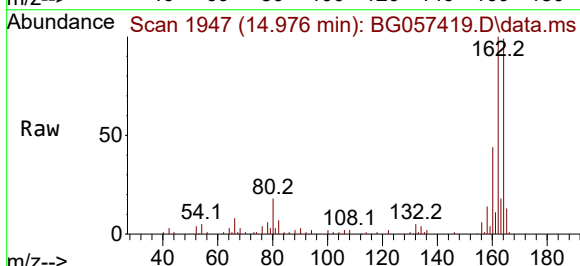
Ion Ratio Lower Upper

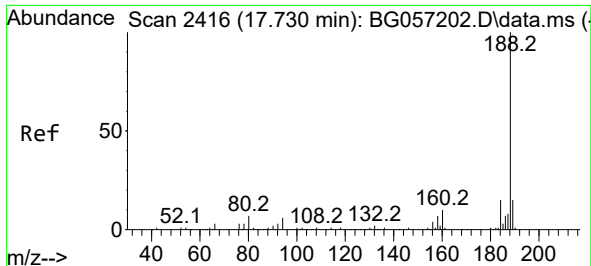
165 100

63 0.0 37.5 56.3#

89 0.0 60.2 90.4#

182 0.0 1.8 2.8#

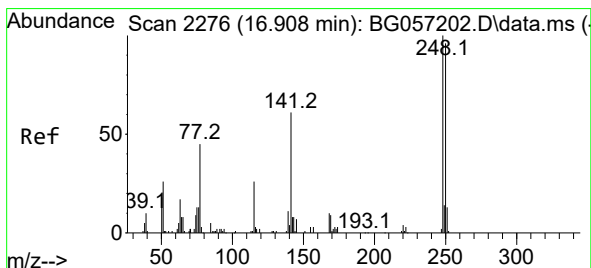
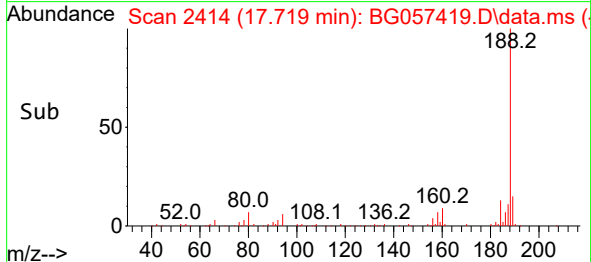
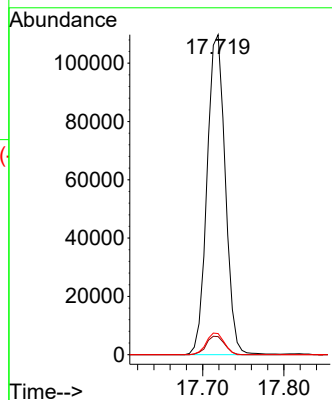
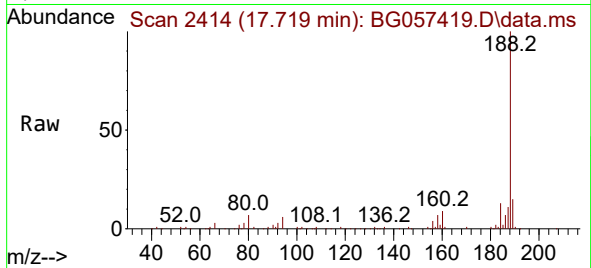




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.719 min Scan# 2416
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

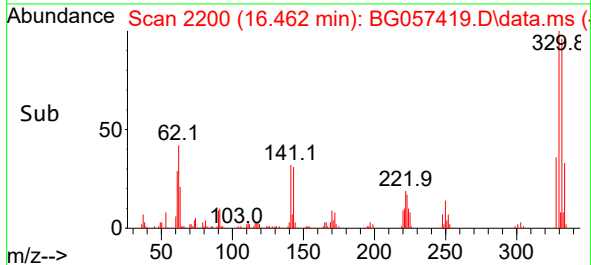
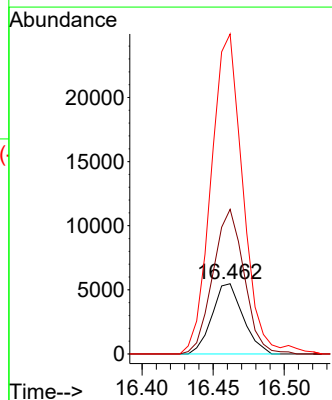
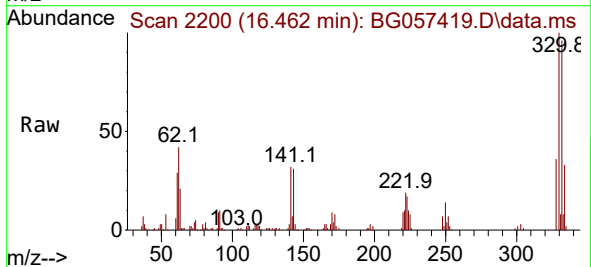
Instrument :
BNA_G
ClientSampleId :
PB152721BL

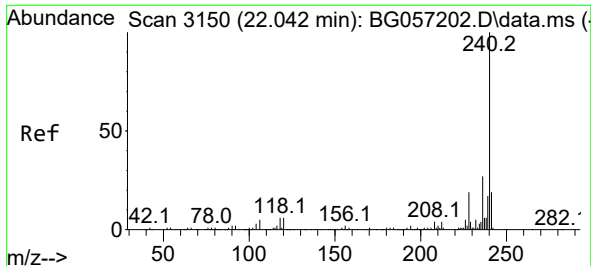
Tgt Ion:188 Resp: 170808
Ion Ratio Lower Upper
188 100
94 5.7 5.1 7.7
80 6.6 5.7 8.5



#67
4-Bromophenyl-phenylether
Concen: 3.978 ng
RT: 16.462 min Scan# 2200
Delta R.T. -0.431 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

Tgt Ion:248 Resp: 8295
Ion Ratio Lower Upper
248 100
250 206.3 77.0 115.6#
141 456.1 48.6 72.8#

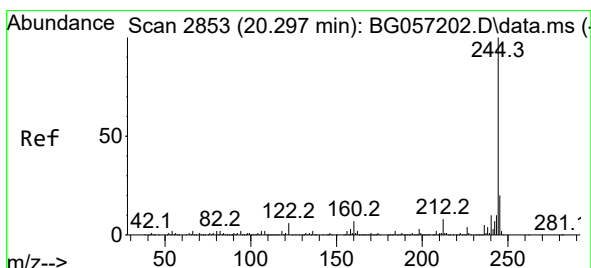
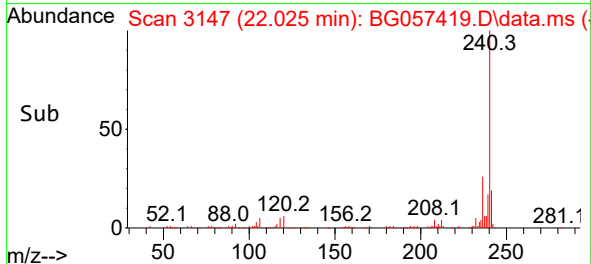
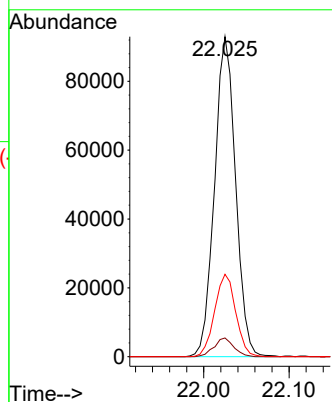
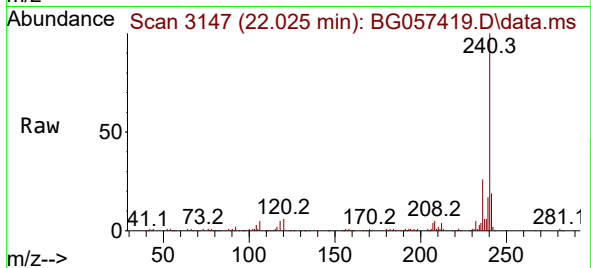




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.025 min Scan# 3150
Delta R.T. -0.008 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

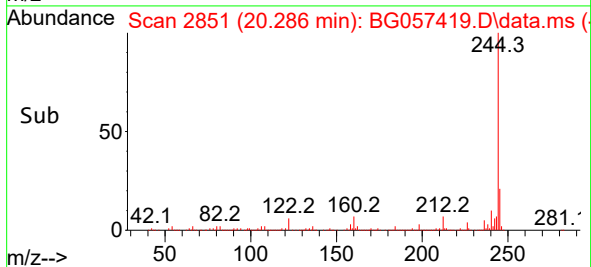
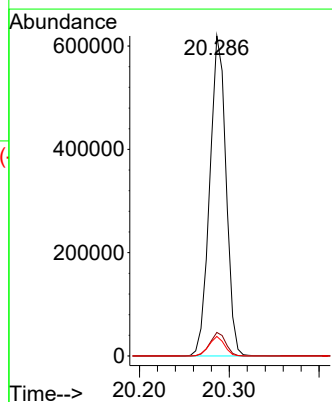
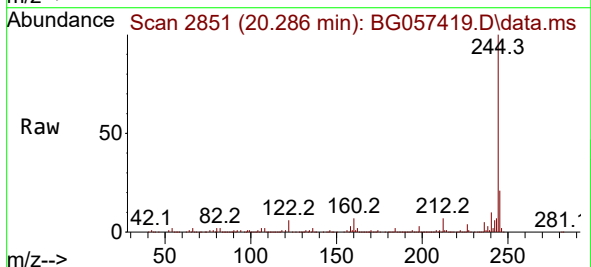
Instrument :
BNA_G
ClientSampleId :
PB152721BL

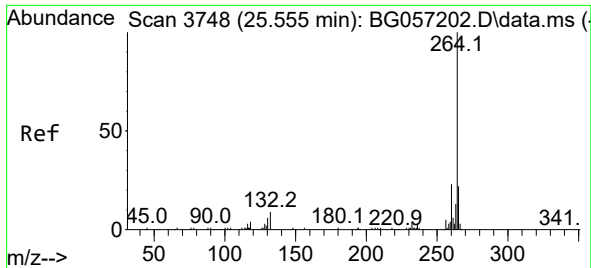
Tgt Ion:240 Resp: 159569
Ion Ratio Lower Upper
240 100
120 5.9 4.9 7.3
236 25.7 21.4 32.2



#79
Terphenyl-d14
Concen: 79.875 ng
RT: 20.286 min Scan# 2851
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

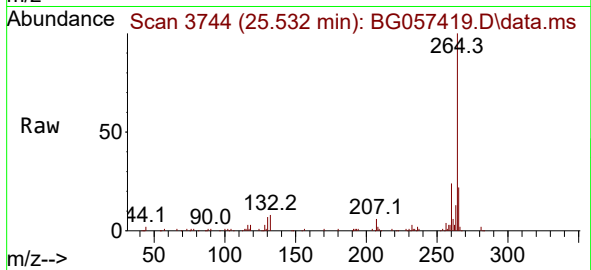
Tgt Ion:244 Resp: 781015
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 6.1 5.1 7.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.532 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG057419.D
Acq: 12 May 2023 21:43

Instrument :
BNA_G
ClientSampleId :
PB152721BL



Tgt Ion:264 Resp: 158789

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.6	17.9	26.9

