

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051623\
 Data File : BG057439.D
 Acq On : 16 May 2023 10:31
 Operator : CG/JU
 Sample : PB152548BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB152548BL

Quant Time: May 16 19:14:19 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)

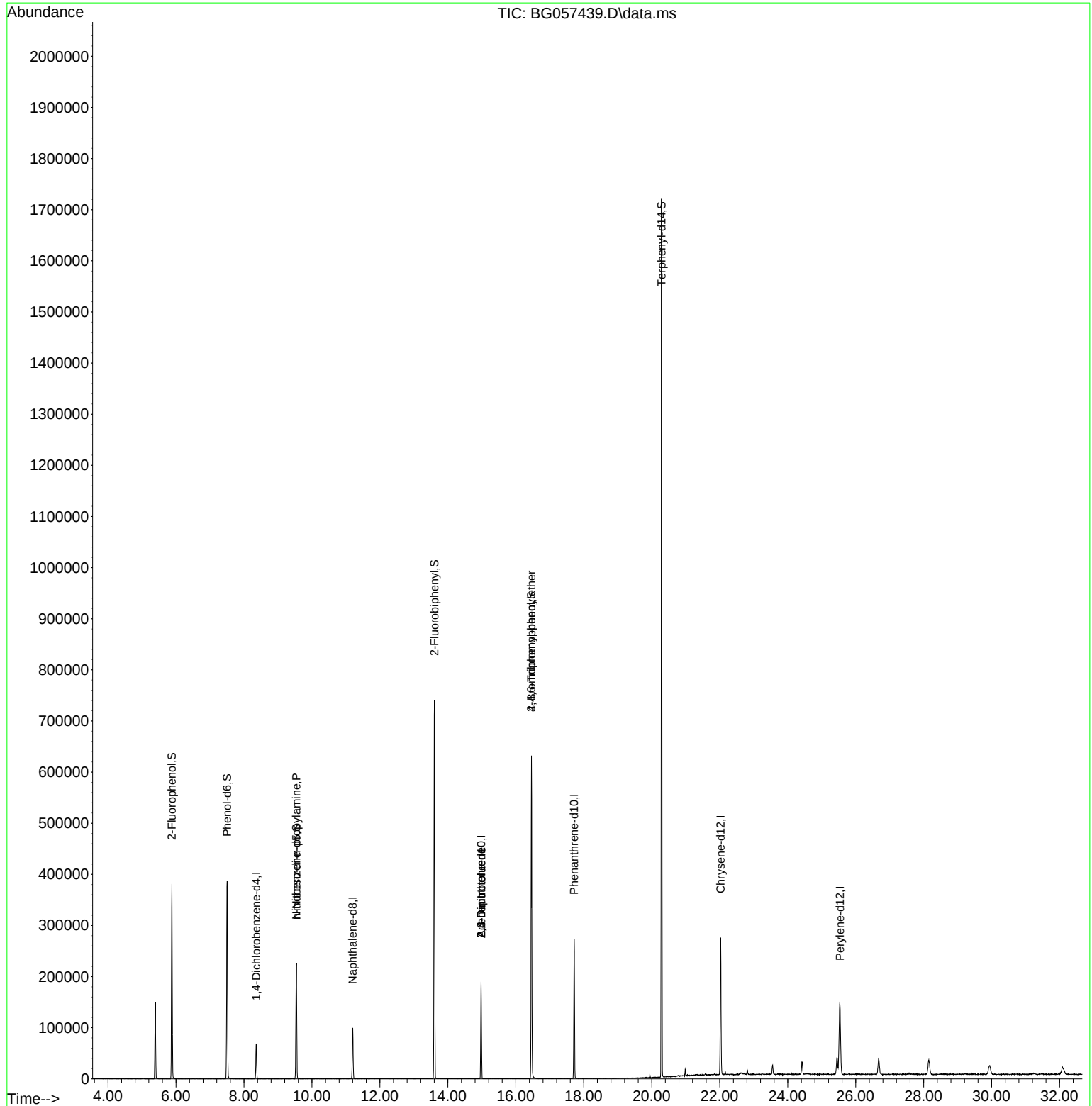
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.358	152	19550	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	84930	20.000	ng	0.00
39) Acenaphthene-d10	14.978	164	72028	20.000	ng	0.00
64) Phenanthrene-d10	17.716	188	190749	20.000	ng	0.00
76) Chrysene-d12	22.028	240	180472	20.000	ng	0.00
86) Perylene-d12	25.535	264	180059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	161392	141.217	ng	0.00
7) Phenol-d6	7.506	99	235605	135.757	ng	0.00
23) Nitrobenzene-d5	9.545	82	149300	73.781	ng	0.00
42) 2,4,6-Tribromophenol	16.459	330	131933	129.093	ng	0.00
45) 2-Fluorobiphenyl	13.604	172	405204	75.766	ng	0.00
79) Terphenyl-d14	20.289	244	859510	77.721	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.500	77	310	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	9.545	70	20804	15.721	ng	# 76
51) 2,6-Dinitrotoluene	14.978	165	9478	7.843	ng	# 19
57) 2,4-Dinitrotoluene	14.978	165	9478	5.488	ng	# 22
67) 4-Bromophenyl-phenylether	16.459	248	9239	3.968	ng	# 1

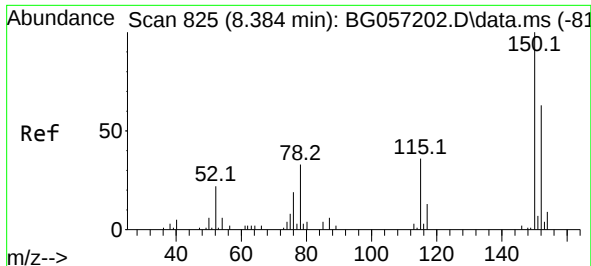
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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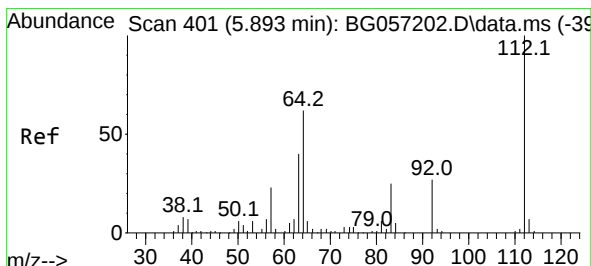
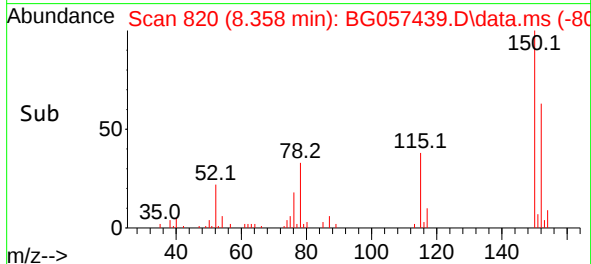
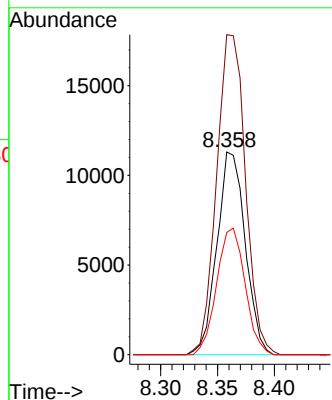
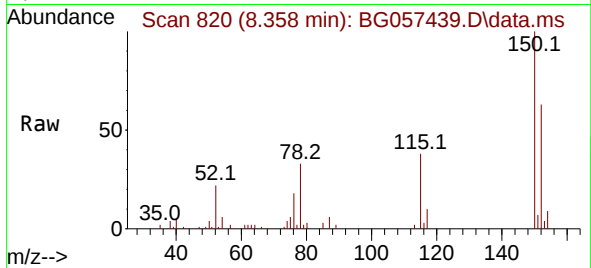




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

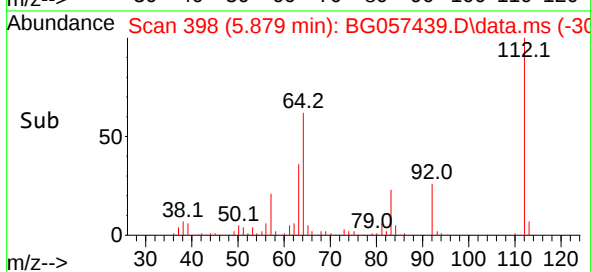
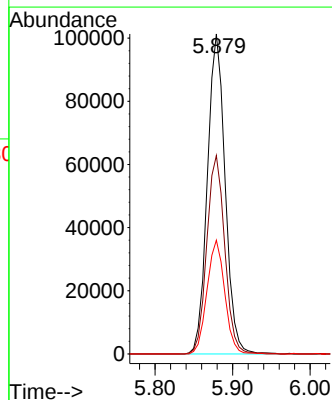
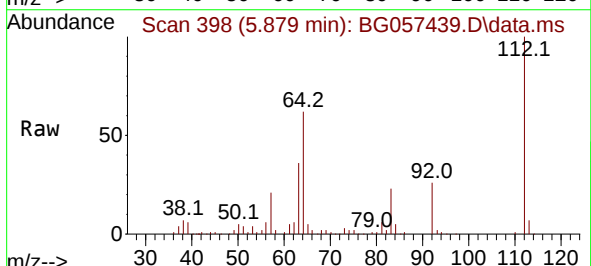
Instrument :
BNA_G
ClientSampleId :
PB152548BL

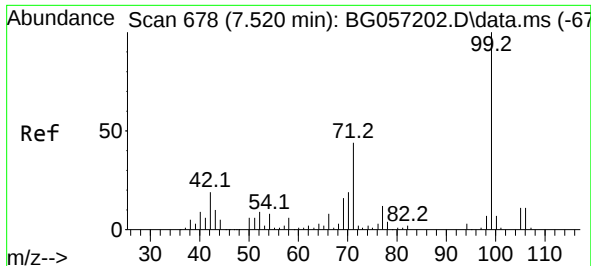
Tgt Ion:152 Resp: 19550
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.4
115 60.3 45.0 67.4



#5
2-Fluorophenol
Concen: 141.217 ng
RT: 5.879 min Scan# 398
Delta R.T. 0.000 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion:112 Resp: 161392
Ion Ratio Lower Upper
112 100
64 62.0 49.4 74.2
63 35.6 31.6 47.4

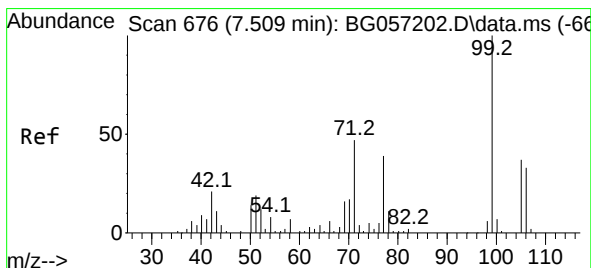
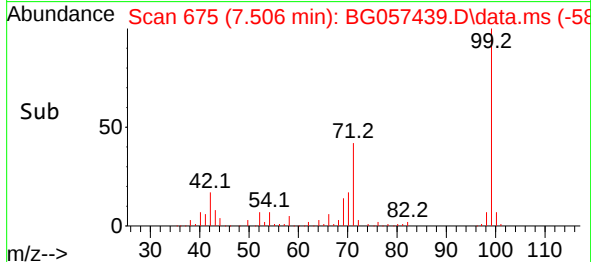
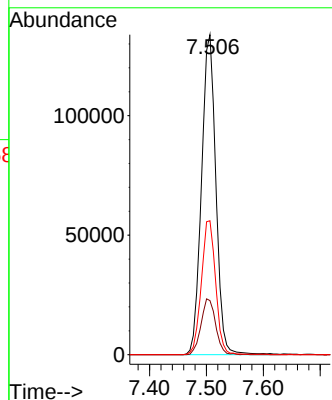
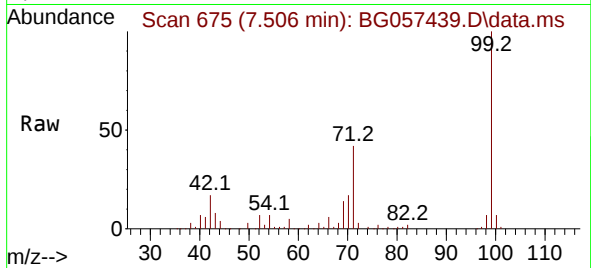




#7
Phenol-d6
Concen: 135.757 ng
RT: 7.506 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

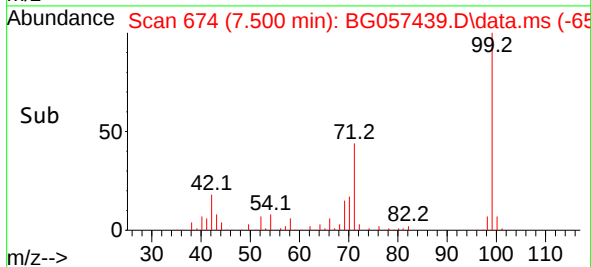
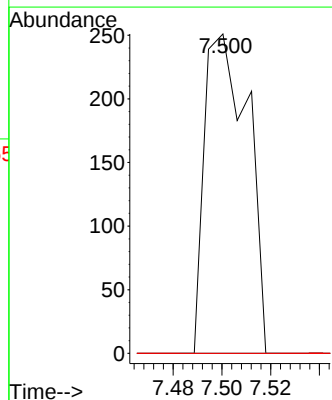
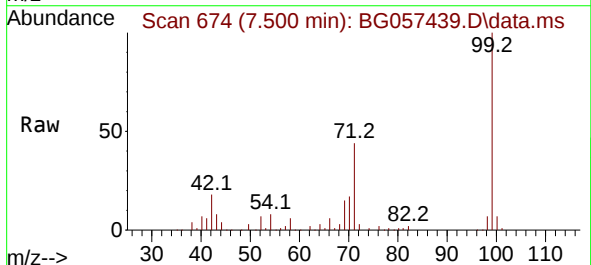
Instrument :
BNA_G
ClientSampleId :
PB152548BL

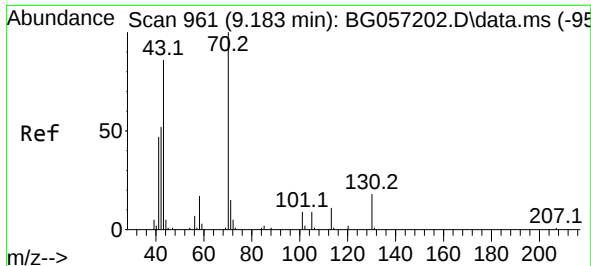
Tgt Ion: 99 Resp: 235605
Ion Ratio Lower Upper
99 100
42 16.9 15.1 22.7
71 41.9 35.2 52.8



#9
Benzaldehyde
Concen: Below Cal
RT: 7.500 min Scan# 674
Delta R.T. 0.012 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion: 77 Resp: 310
Ion Ratio Lower Upper
77 100
105 0.0 74.6 114.6#
106 0.0 66.3 106.3#

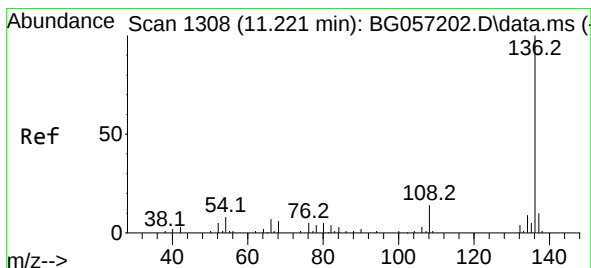
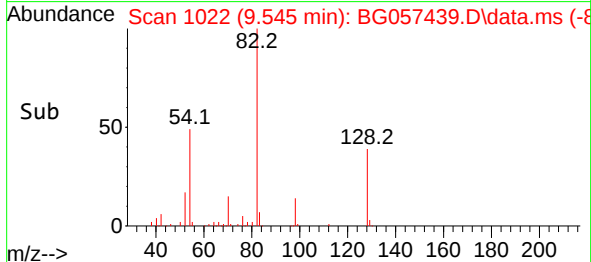
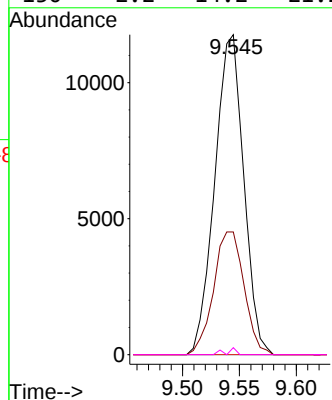
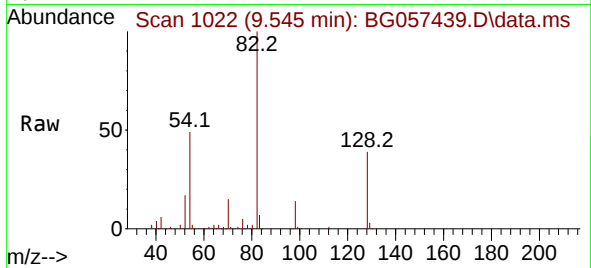




#19
n-Nitroso-di-n-propylamine
Concen: 15.721 ng
RT: 9.545 min Scan# 1022
Delta R.T. 0.376 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

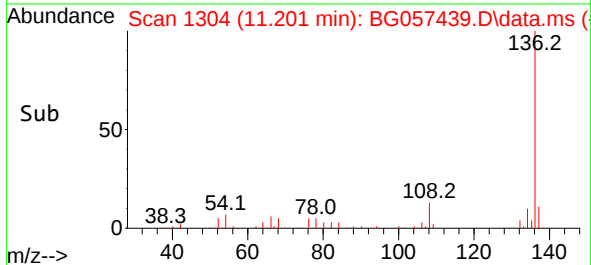
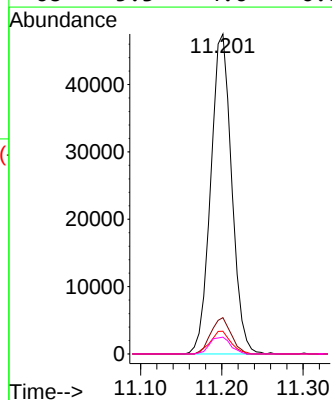
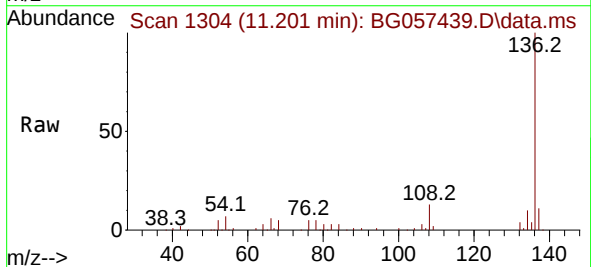
Instrument :
BNA_G
ClientSampleId :
PB152548BL

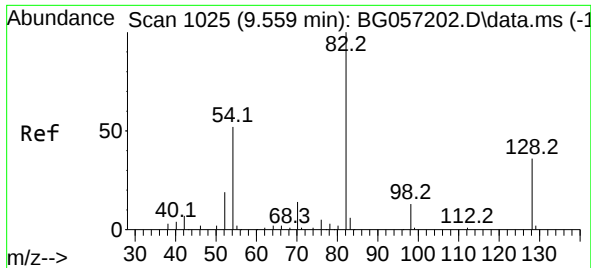
Tgt Ion: 70 Resp: 20804
Ion Ratio Lower Upper
70 100
42 38.3 41.8 62.8#
101 0.0 6.8 10.2#
130 2.2 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion: 136 Resp: 84930
Ion Ratio Lower Upper
136 100
137 11.3 8.3 12.5
54 7.1 6.7 10.1
68 5.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 73.781 ng

RT: 9.545 min Scan# 1022

Delta R.T. 0.000 min

Lab File: BG057439.D

Acq: 16 May 2023 10:31

Instrument :

BNA_G

ClientSampleId :

PB152548BL

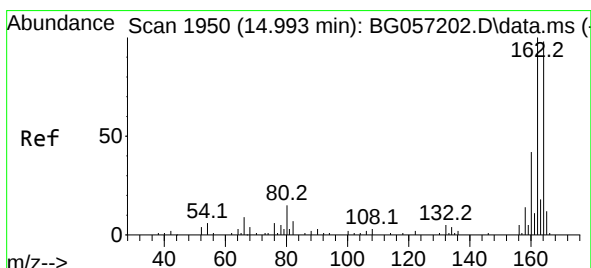
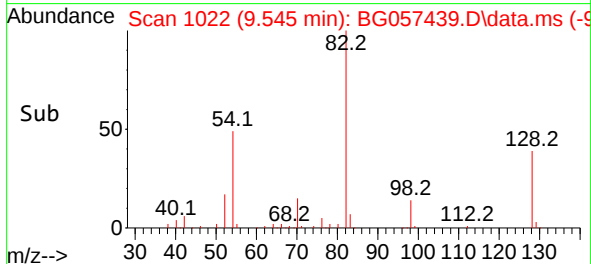
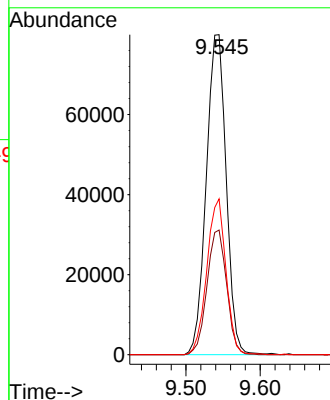
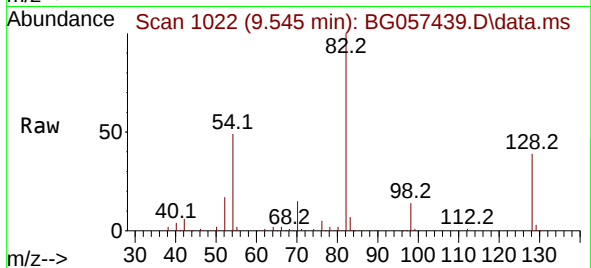
Tgt Ion: 82 Resp: 149300

Ion Ratio Lower Upper

82 100

128 39.0 29.0 43.4

54 48.7 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.978 min Scan# 1947

Delta R.T. 0.001 min

Lab File: BG057439.D

Acq: 16 May 2023 10:31

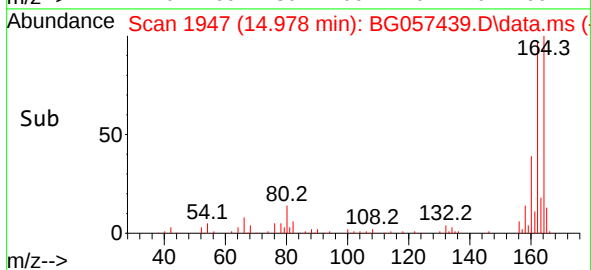
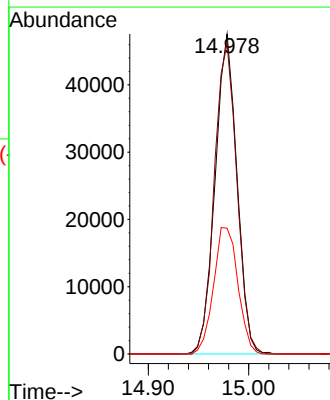
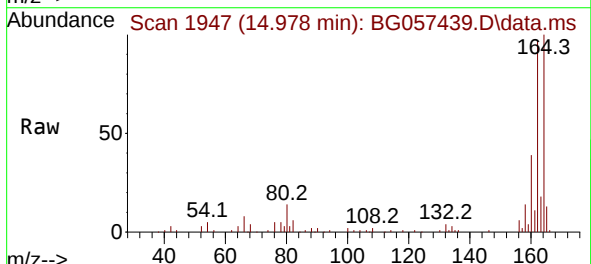
Tgt Ion:164 Resp: 72028

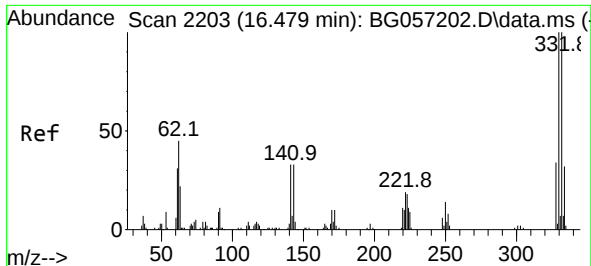
Ion Ratio Lower Upper

164 100

162 96.9 81.8 122.6

160 39.3 34.6 52.0

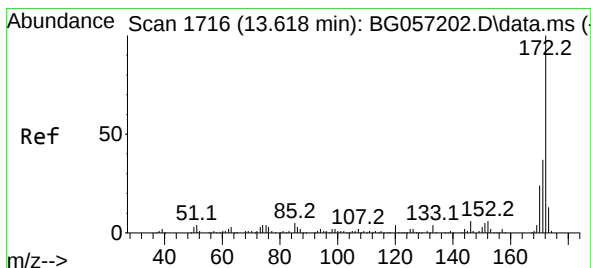
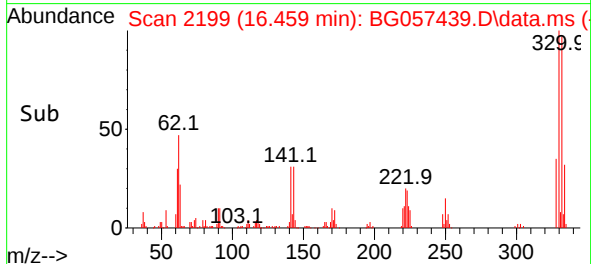
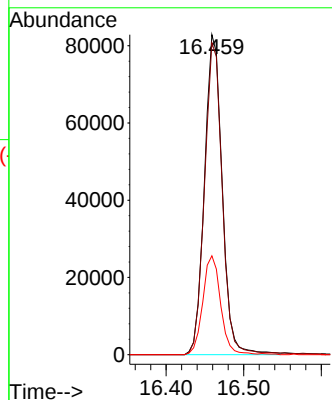
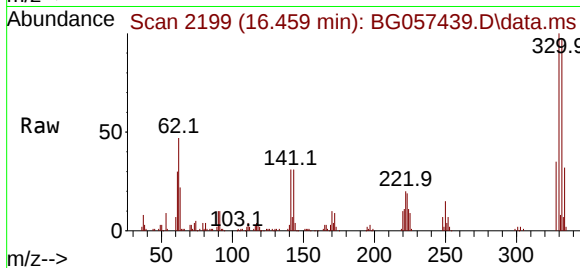




#42
2,4,6-Tribromophenol
Concen: 129.093 ng
RT: 16.459 min Scan# 2119
Delta R.T. -0.005 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

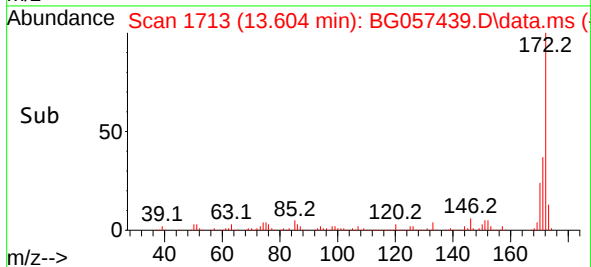
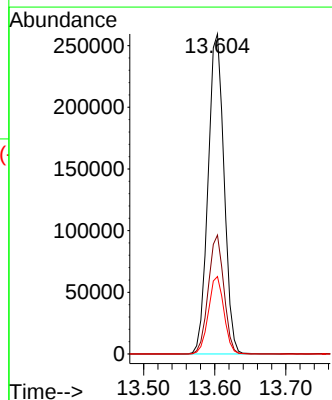
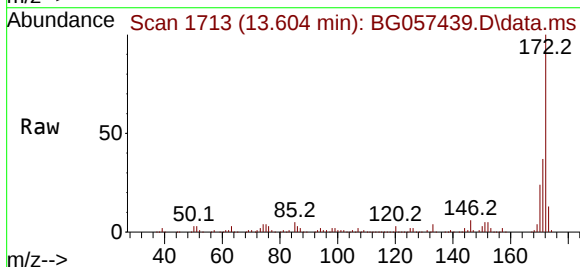
Instrument :
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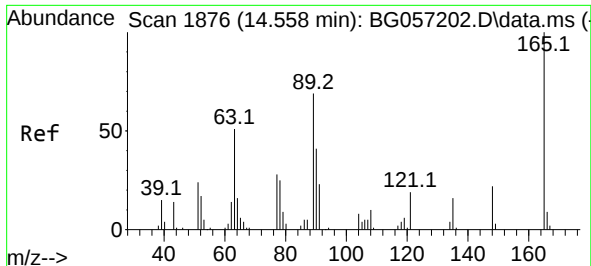
Tgt Ion:330 Resp: 131933
Ion Ratio Lower Upper
330 100
332 97.5 78.2 117.2
141 30.9 27.8 41.8



#45
2-Fluorobiphenyl
Concen: 75.766 ng
RT: 13.604 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion:172 Resp: 405204
Ion Ratio Lower Upper
172 100
171 37.2 29.4 44.0
170 24.2 19.0 28.6

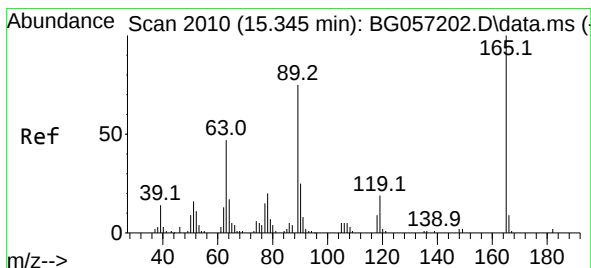
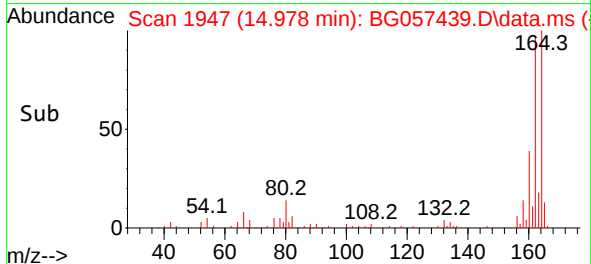
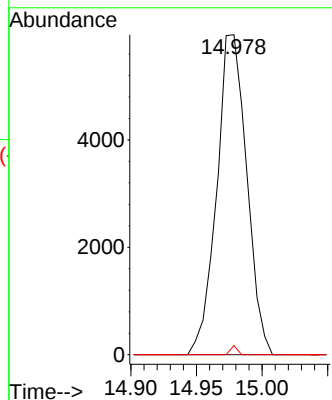
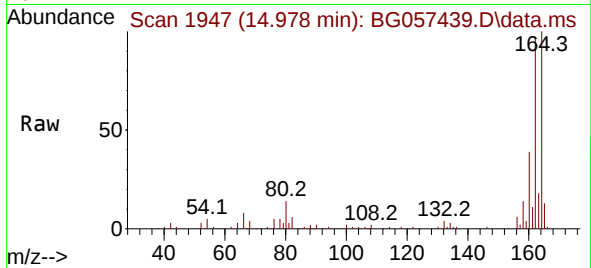




#51
2,6-Dinitrotoluene
Concen: 7.843 ng
RT: 14.978 min Scan# 1947
Delta R.T. 0.429 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

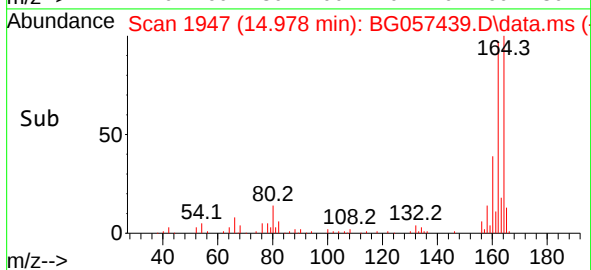
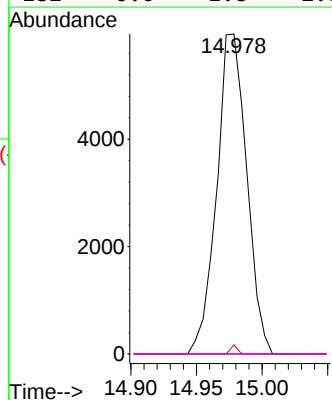
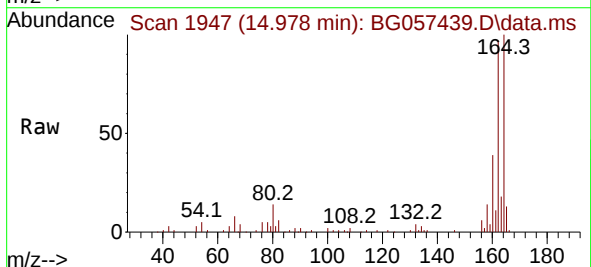
Instrument :
BNA_G
ClientSampleId :
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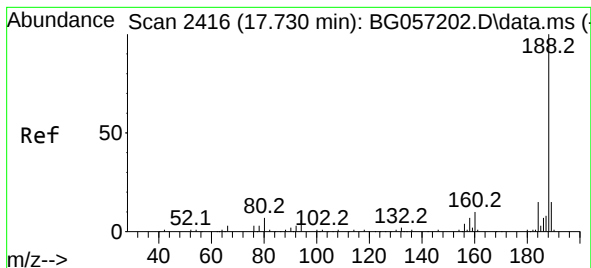
Tgt Ion:165 Resp: 9478
Ion Ratio Lower Upper
165 100
63 0.0 50.9 76.3#
89 2.8 55.2 82.8#



#57
2,4-Dinitrotoluene
Concen: 5.488 ng
RT: 14.978 min Scan# 1947
Delta R.T. -0.358 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion:165 Resp: 9478
Ion Ratio Lower Upper
165 100
63 0.0 37.5 56.3#
89 2.8 60.2 90.4#
182 0.0 1.8 2.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.716 min Scan# 2416

Delta R.T. -0.005 min

Lab File: BG057439.D

Acq: 16 May 2023 10:31

Instrument :

BNA_G

ClientSampleId :

PB152548BL

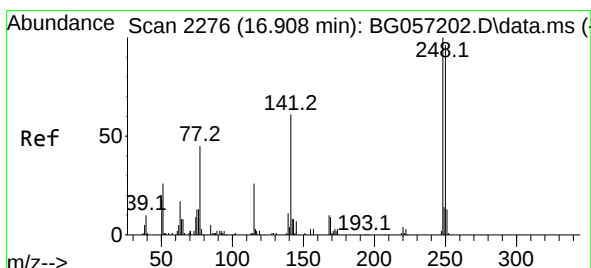
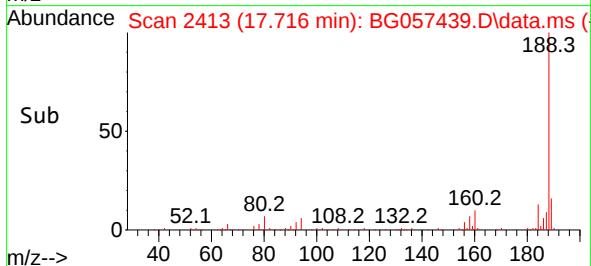
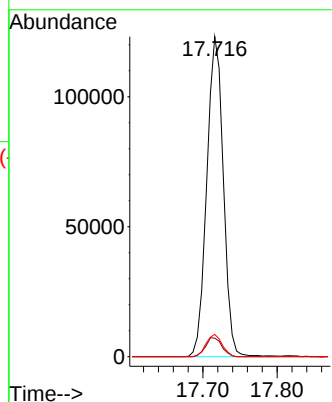
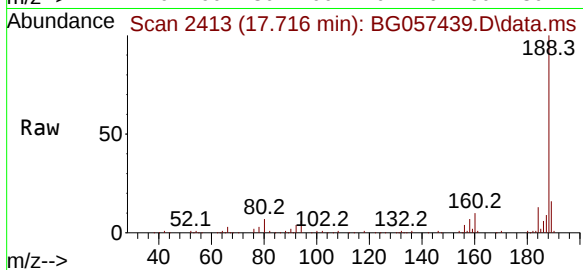
Tgt Ion:188 Resp: 190749

Ion Ratio Lower Upper

188 100

94 5.8 5.1 7.7

80 6.9 5.7 8.5



#67

4-Bromophenyl-phenylether

Concen: 3.968 ng

RT: 16.459 min Scan# 2199

Delta R.T. -0.434 min

Lab File: BG057439.D

Acq: 16 May 2023 10:31

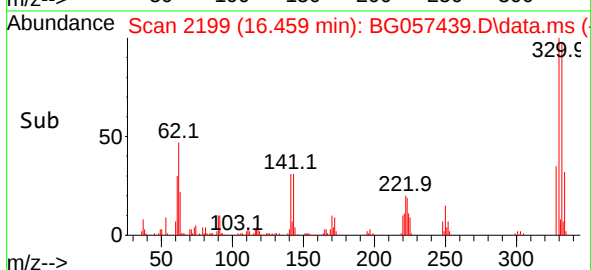
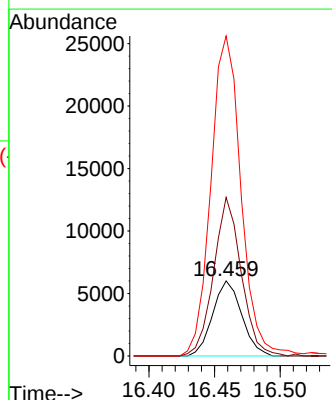
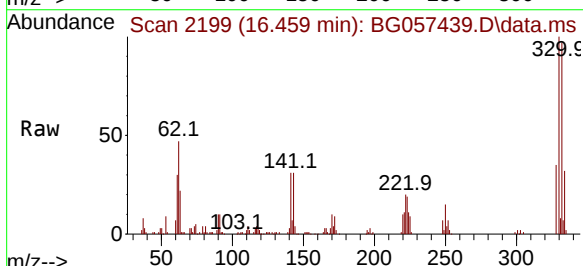
Tgt Ion:248 Resp: 9239

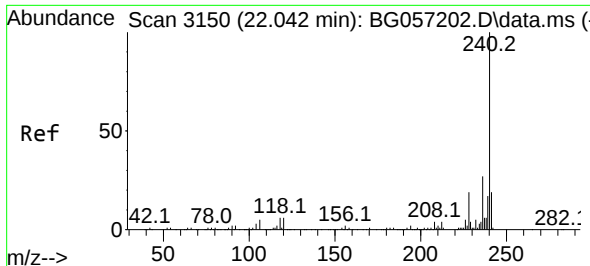
Ion Ratio Lower Upper

248 100

250 211.1 77.0 115.6#

141 426.2 48.6 72.8#

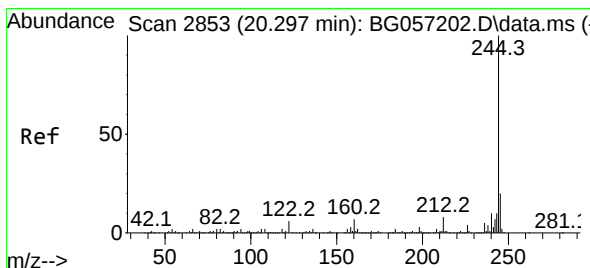
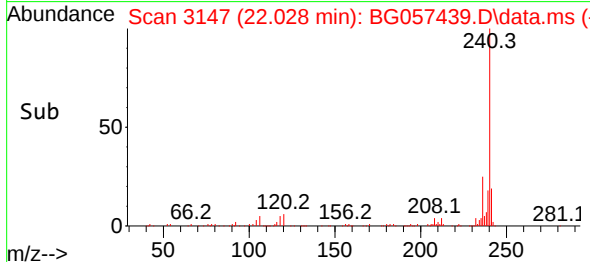
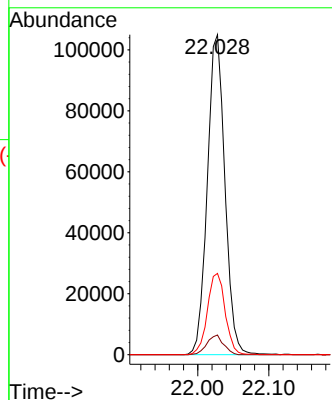
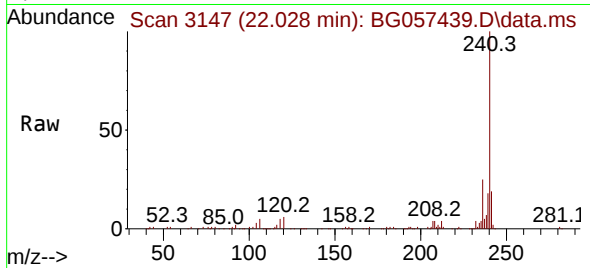




#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.028 min Scan# 3150
Delta R.T. -0.005 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

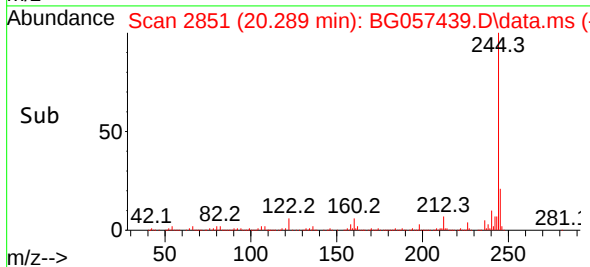
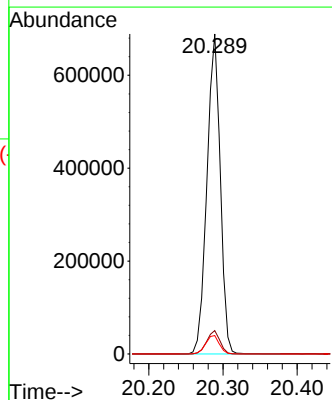
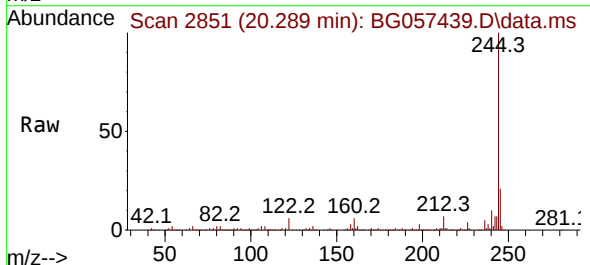
Instrument :
BNA_G
ClientSampleId :
PB152548BL

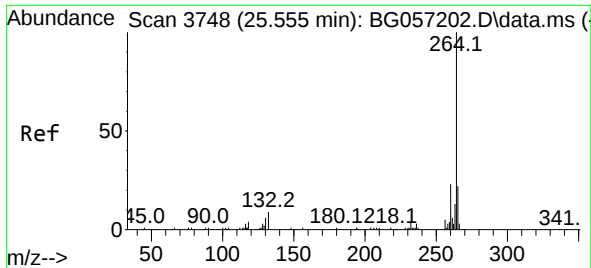
Tgt Ion:240 Resp: 180472
Ion Ratio Lower Upper
240 100
120 6.2 4.9 7.3
236 25.4 21.4 32.2



#79
Terphenyl-d14
Concen: 77.721 ng
RT: 20.289 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BG057439.D
Acq: 16 May 2023 10:31

Tgt Ion:244 Resp: 859510
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 5.8 5.1 7.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.535 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BG057439.D
 Acq: 16 May 2023 10:31

Instrument :
 BNA_G
 ClientSampleId :
 PB152548BL

Tgt Ion:264 Resp: 180059
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.8 28.2
 265 19.3 17.9 26.9

