

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110422\
 Data File : BG055451.D
 Acq On : 4 Nov 2022 12:48
 Operator : CG/JU
 Sample : PB148779BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB148779BL

Quant Time: Nov 05 00:01:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 05:28:43 2022
 Response via : Initial Calibration

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

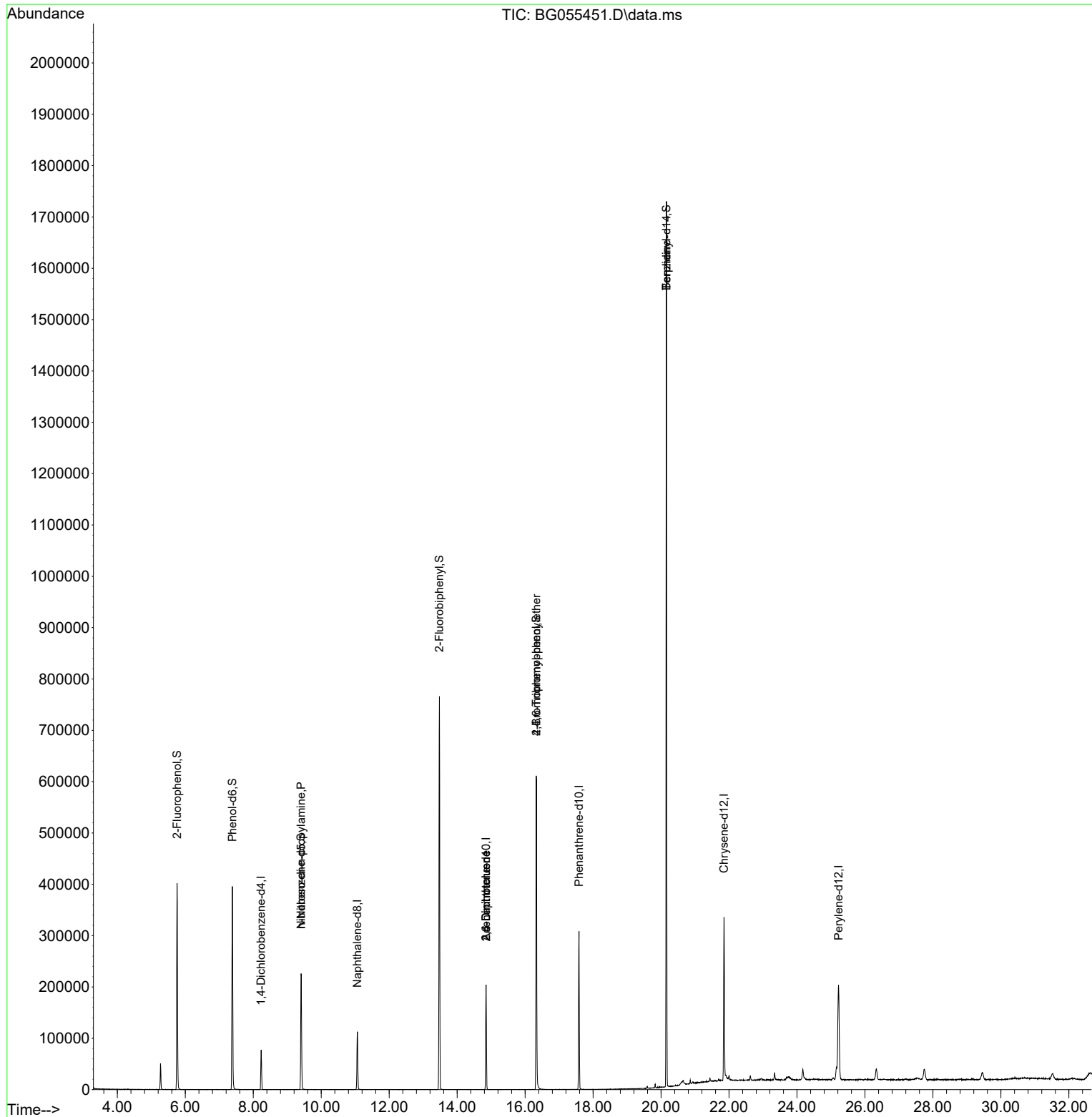
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	23360	20.000	ng	0.00
21) Naphthalene-d8	11.062	136	105801	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	78864	20.000	ng	-0.01
64) Phenanthrene-d10	17.584	188	198497	20.000	ng	0.00
76) Chrysene-d12	21.849	240	206460	20.000	ng	-0.01
86) Perylene-d12	25.222	264	222812	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.756	112	186620	143.468	ng	0.00
7) Phenol-d6	7.384	99	248710	137.877	ng	0.00
23) Nitrobenzene-d5	9.405	82	146315	73.703	ng	0.00
42) 2,4,6-Tribromophenol	16.332	330	141465	131.507	ng	0.00
45) 2-Fluorobiphenyl	13.477	172	411596	77.381	ng	0.00
79) Terphenyl-d14	20.157	244	842252	79.327	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.405	70	19543	13.865	ng	# 80
51) 2,6-Dinitrotoluene	14.846	165	10424	7.564	ng	# 27
57) 2,4-Dinitrotoluene	14.846	165	10424	5.290	ng	# 25
67) 4-Bromophenyl-phenylether	16.332	248	8535	3.637	ng	# 1
77) Benzidine	20.157	184	11706	2.723	ng	# 91

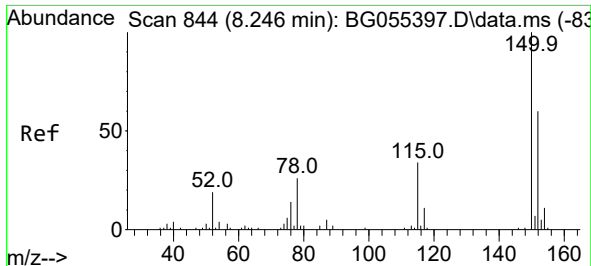
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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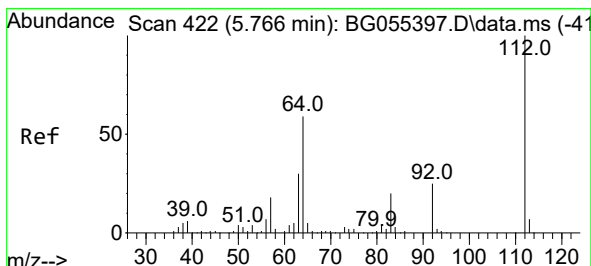
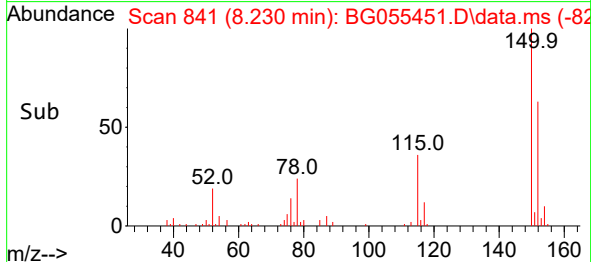
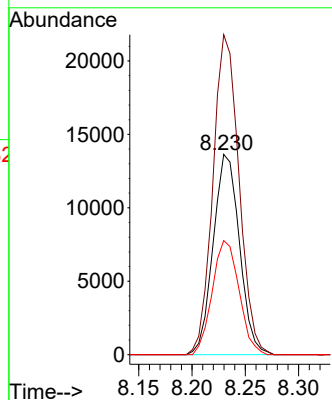
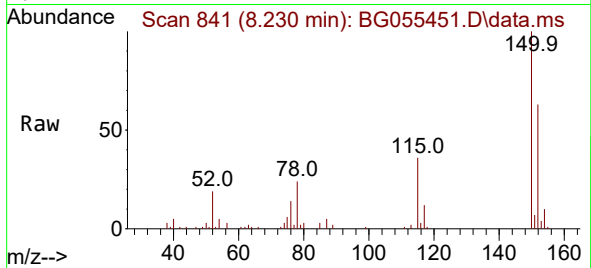




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.230 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

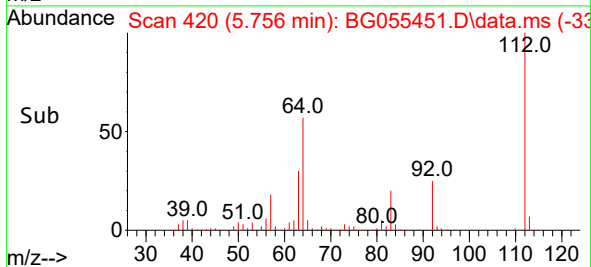
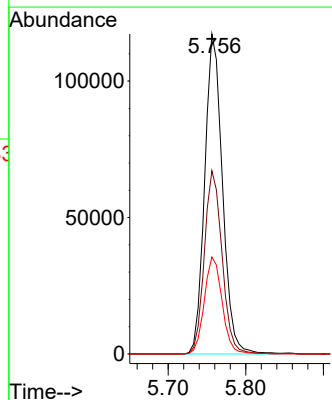
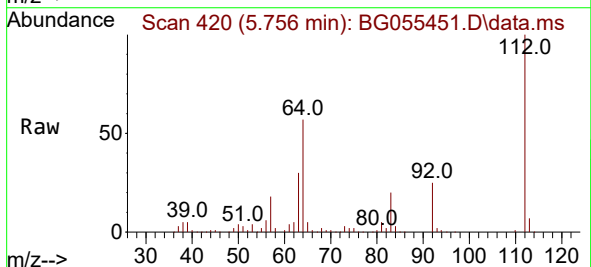
Instrument :
BNA_G
ClientSampleId :
PB148779BL

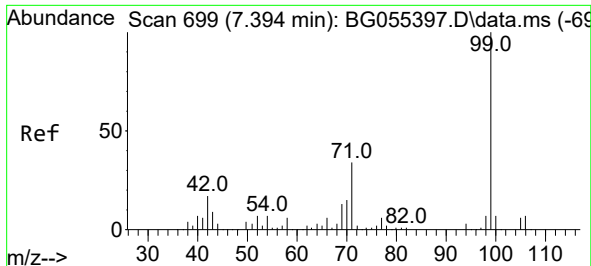
Tgt Ion:152 Resp: 23360
Ion Ratio Lower Upper
152 100
150 159.8 132.8 199.2
115 56.9 45.1 67.7



#5
2-Fluorophenol
Concen: 143.468 ng
RT: 5.756 min Scan# 420
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion:112 Resp: 186620
Ion Ratio Lower Upper
112 100
64 57.3 47.2 70.8
63 30.3 24.3 36.5

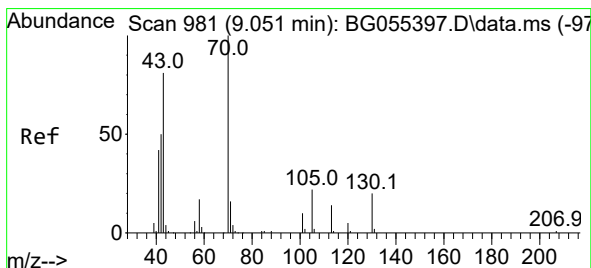
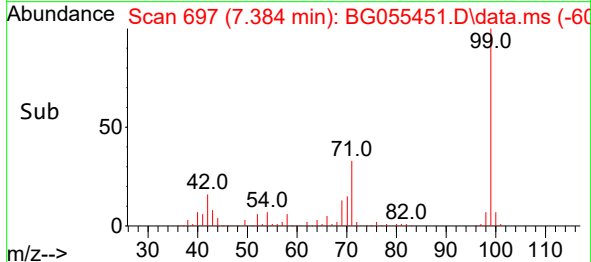
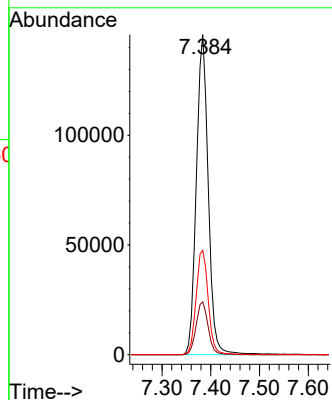
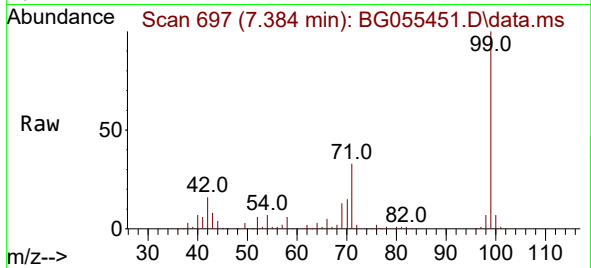




#7
Phenol-d6
Concen: 137.877 ng
RT: 7.384 min Scan# 697
Delta R.T. 0.000 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

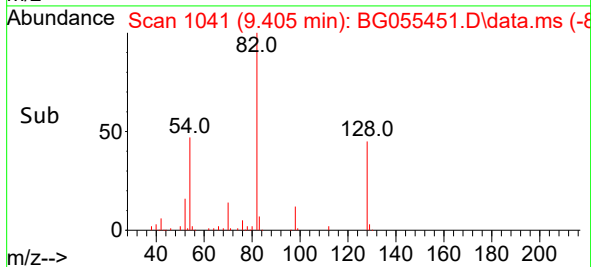
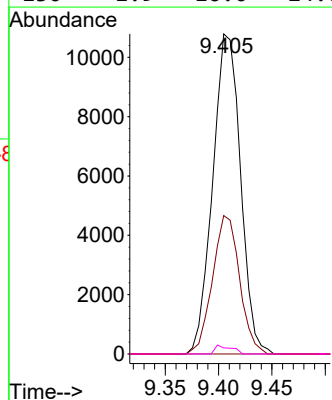
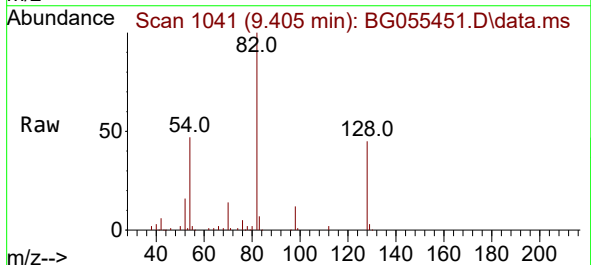
Instrument :
BNA_G
ClientSampleId :
PB148779BL

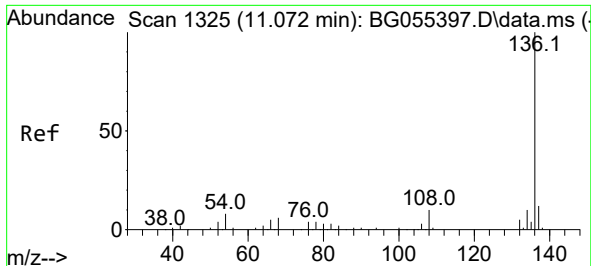
Tgt Ion: 99 Resp: 248710
Ion Ratio Lower Upper
99 100
42 16.5 13.5 20.3
71 32.6 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.865 ng
RT: 9.405 min Scan# 1041
Delta R.T. 0.364 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion: 70 Resp: 19543
Ion Ratio Lower Upper
70 100
42 43.2 40.6 61.0
101 0.0 7.8 11.6#
130 1.9 16.0 24.0#

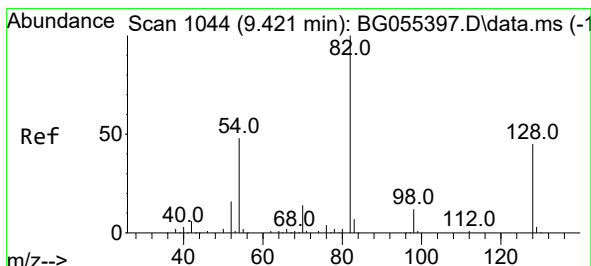
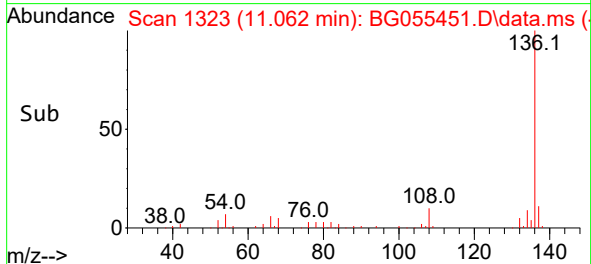
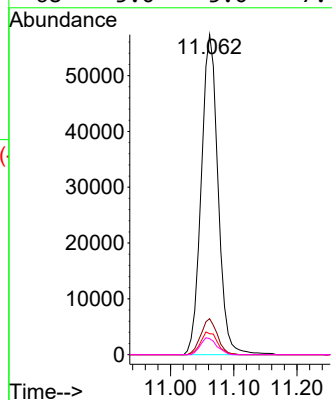
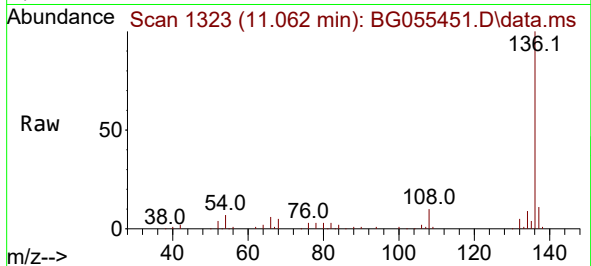




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.062 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

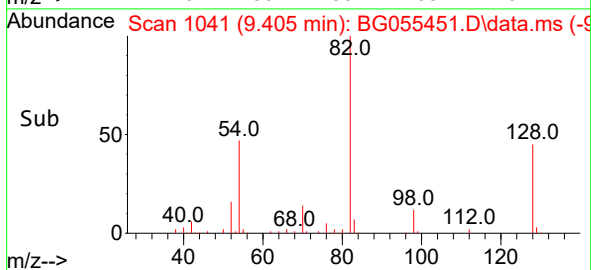
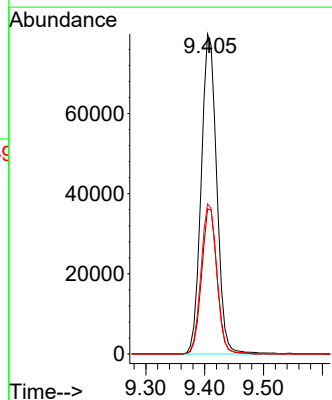
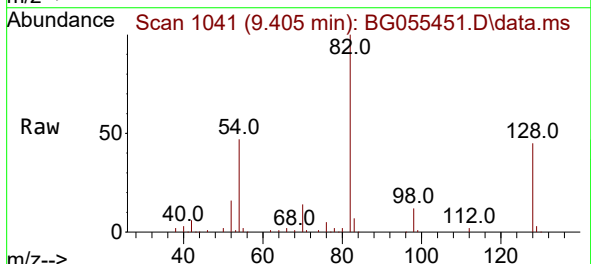
Instrument :
BNA_G
ClientSampleId :
PB148779BL

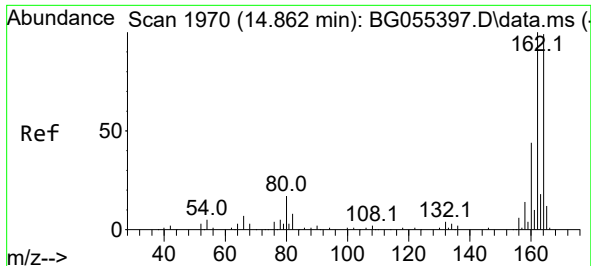
Tgt Ion:136 Resp: 105801
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 6.6 6.1 9.1
68 5.0 5.0 7.4



#23
Nitrobenzene-d5
Concen: 73.703 ng
RT: 9.405 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion: 82 Resp: 146315
Ion Ratio Lower Upper
82 100
128 45.4 35.8 53.8
54 46.9 38.1 57.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 1970

Delta R.T. -0.012 min

Lab File: BG055451.D

Acq: 4 Nov 2022 12:48

Instrument :

BNA_G

ClientSampleId :

PB148779BL

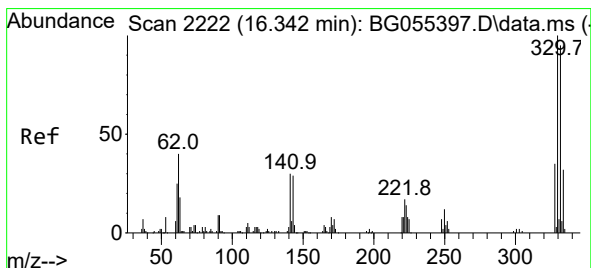
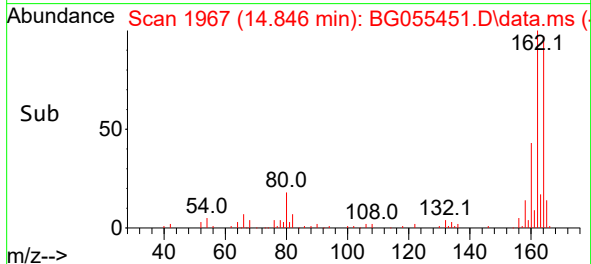
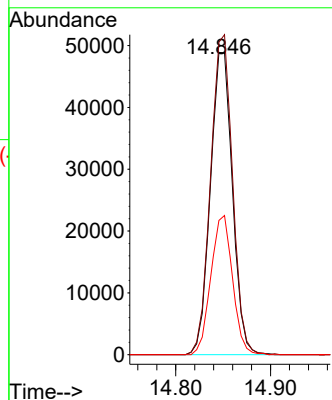
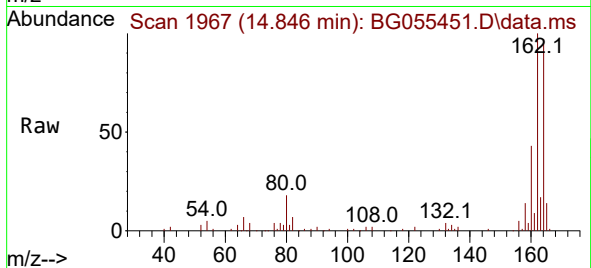
Tgt Ion:164 Resp: 78864

Ion Ratio Lower Upper

164 100

162 103.4 81.1 121.7

160 44.4 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 131.507 ng

RT: 16.332 min Scan# 2220

Delta R.T. -0.006 min

Lab File: BG055451.D

Acq: 4 Nov 2022 12:48

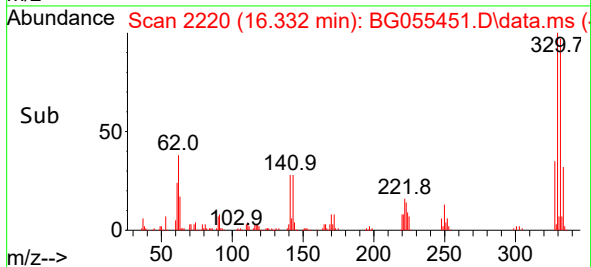
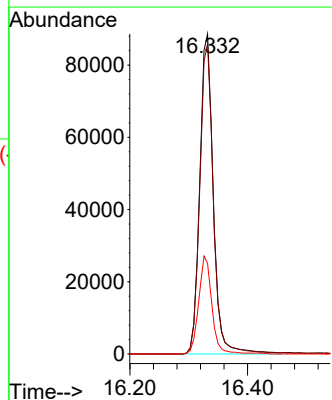
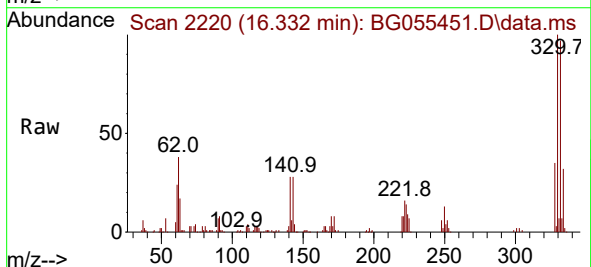
Tgt Ion:330 Resp: 141465

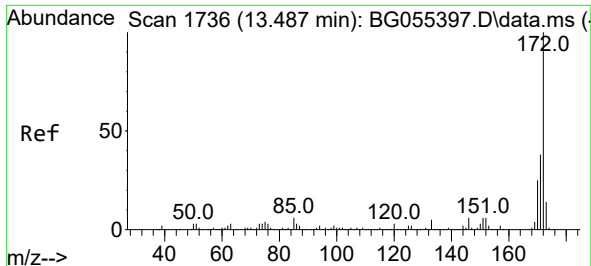
Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

141 29.6 24.2 36.2

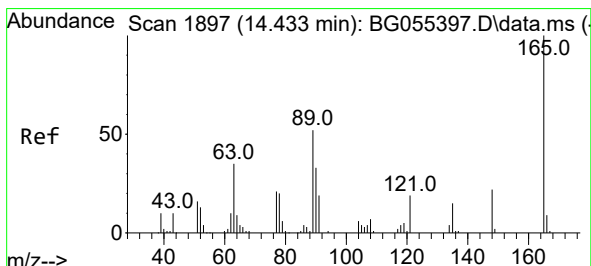
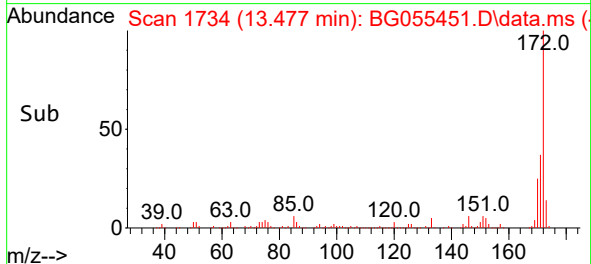
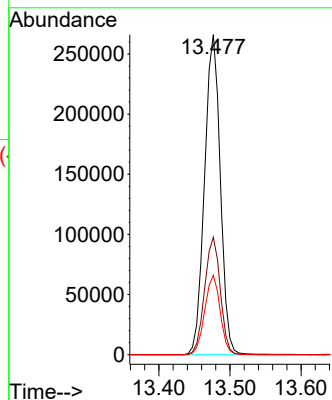
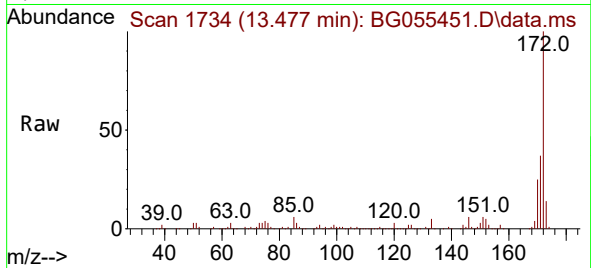




#45
2-Fluorobiphenyl
Concen: 77.381 ng
RT: 13.477 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

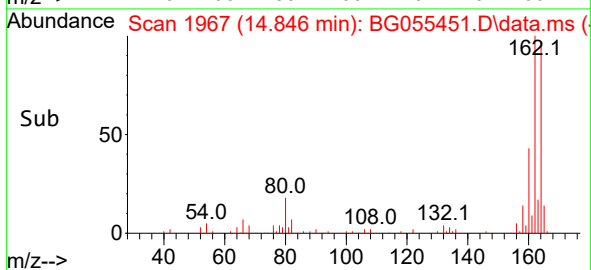
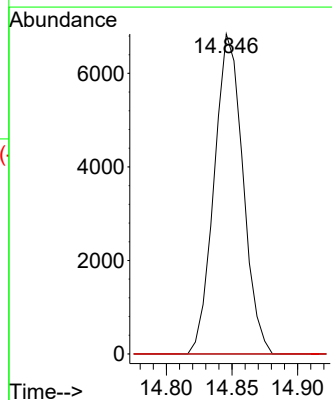
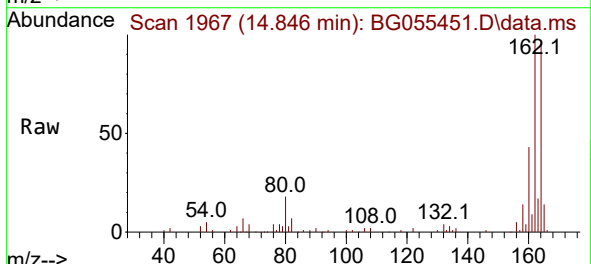
Instrument :
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ClientSampleId :
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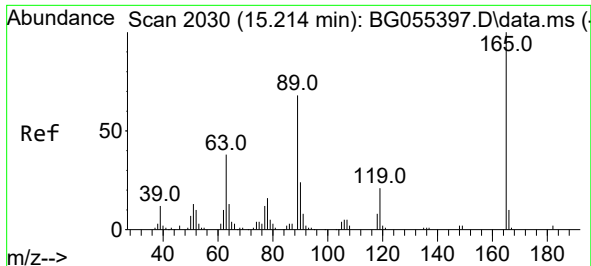
Tgt Ion:172 Resp: 411596
Ion Ratio Lower Upper
172 100
171 36.7 30.2 45.2
170 24.8 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 7.564 ng
RT: 14.846 min Scan# 1967
Delta R.T. 0.423 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion:165 Resp: 10424
Ion Ratio Lower Upper
165 100
63 0.0 38.2 57.4#
89 0.0 41.8 62.6#





#57

2,4-Dinitrotoluene

Concen: 5.290 ng

RT: 14.846 min Scan# 1967

Delta R.T. -0.364 min

Lab File: BG055451.D

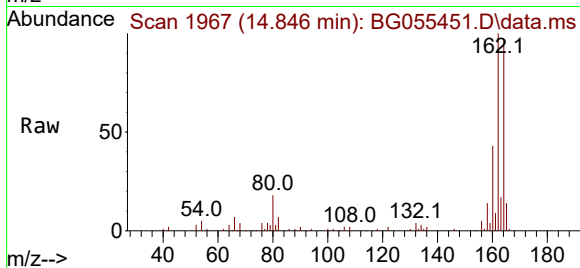
Acq: 4 Nov 2022 12:48

Instrument :

BNA_G

ClientSampleId :

PB148779BL



Tgt Ion:165 Resp: 10424

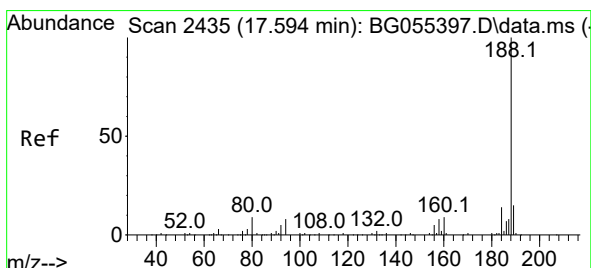
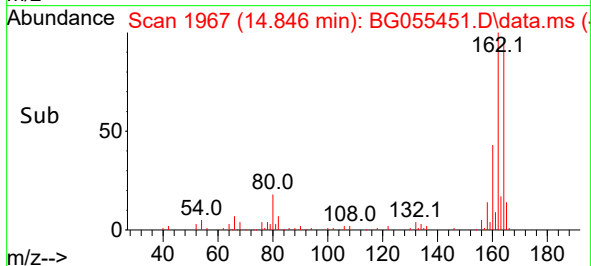
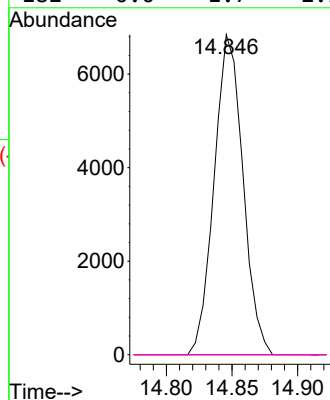
Ion Ratio Lower Upper

165 100

63 0.0 30.8 46.2#

89 0.0 54.5 81.7#

182 0.0 1.7 2.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.584 min Scan# 2433

Delta R.T. -0.006 min

Lab File: BG055451.D

Acq: 4 Nov 2022 12:48

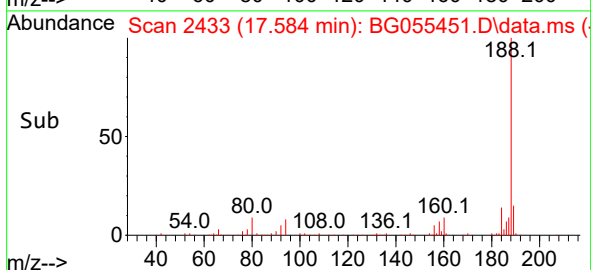
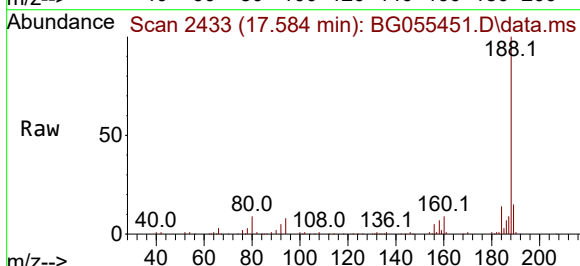
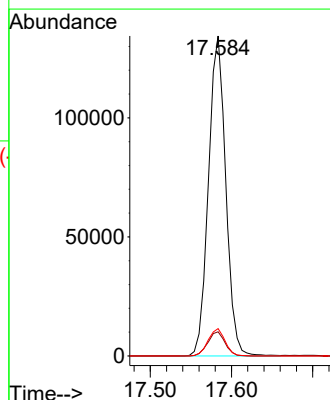
Tgt Ion:188 Resp: 198497

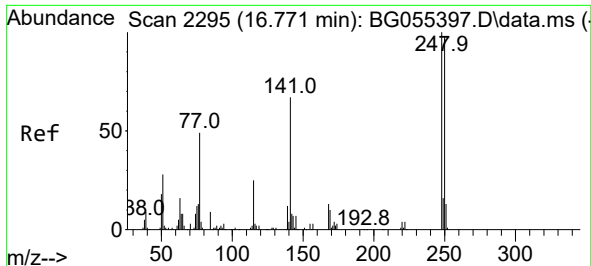
Ion Ratio Lower Upper

188 100

94 7.5 6.5 9.7

80 8.6 7.4 11.0

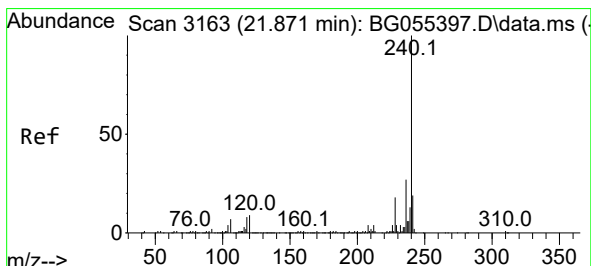
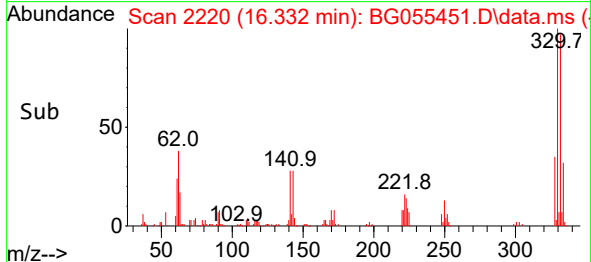
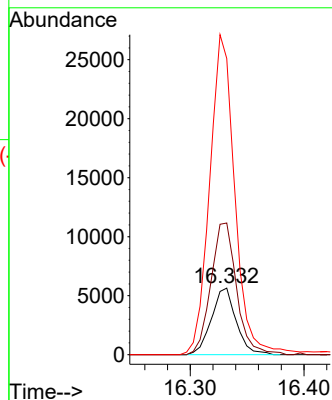
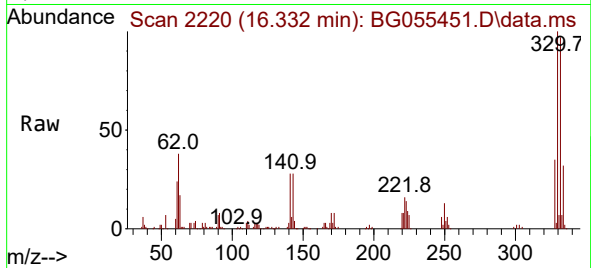




#67
4-Bromophenyl-phenylether
Concen: 3.637 ng
RT: 16.332 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

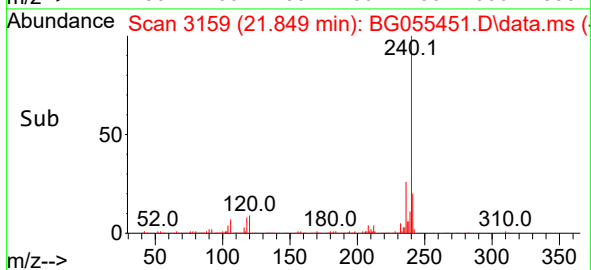
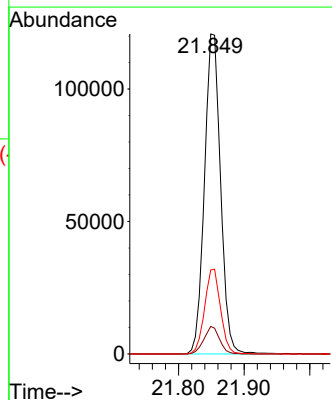
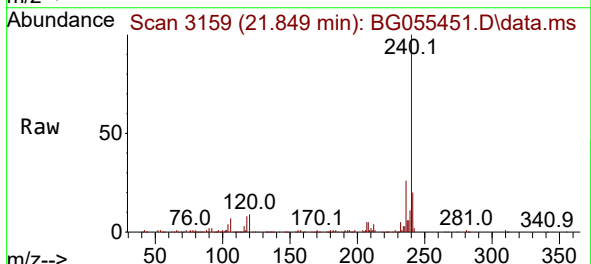
Instrument :
BNA_G
ClientSampleId :
PB148779BL

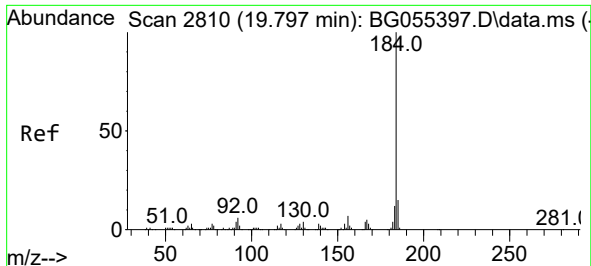
Tgt Ion:248 Resp: 8535
Ion Ratio Lower Upper
248 100
250 197.9 78.3 117.5#
141 445.1 53.7 80.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3159
Delta R.T. -0.012 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion:240 Resp: 206460
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 26.2 21.5 32.3

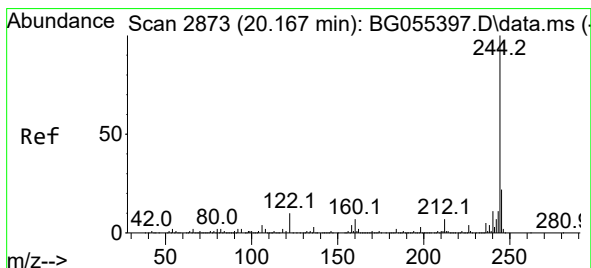
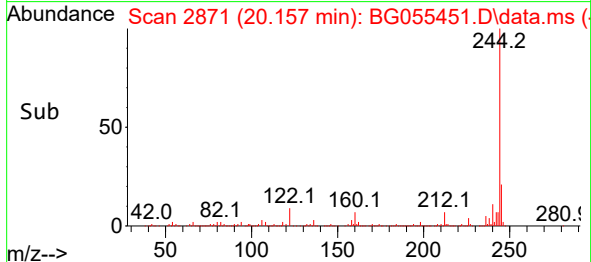
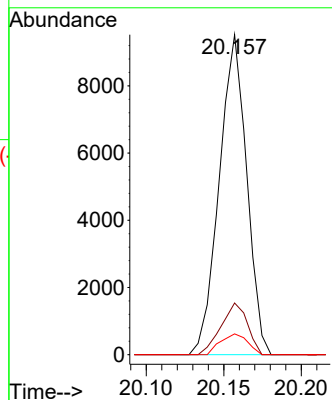
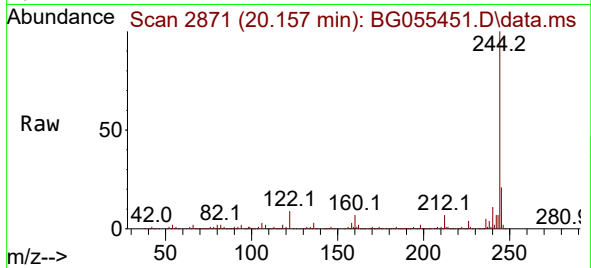




#77
Benzidine
Concen: 2.723 ng
RT: 20.157 min Scan# 2871
Delta R.T. 0.364 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

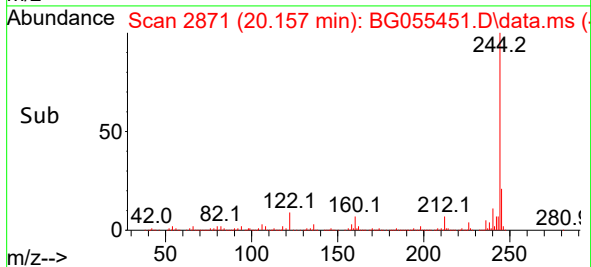
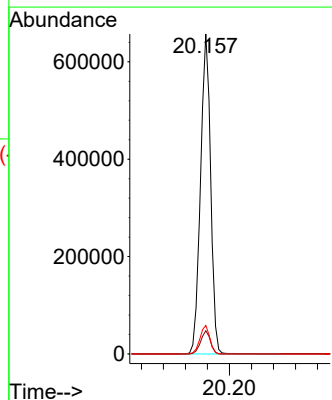
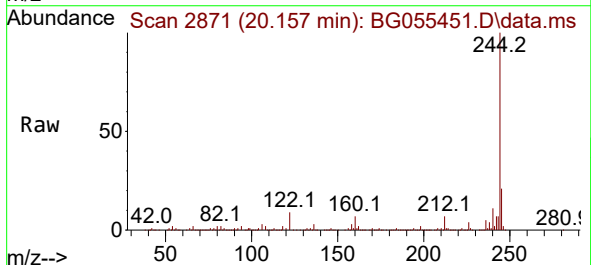
Instrument :
BNA_G
ClientSampleId :
PB148779BL

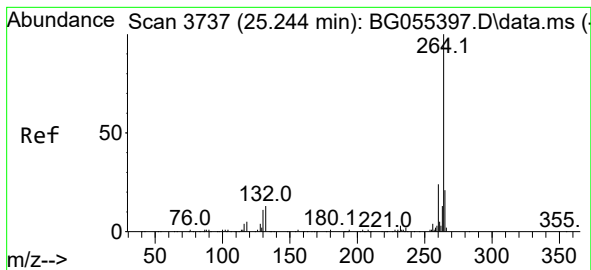
Tgt Ion:184 Resp: 11706
Ion Ratio Lower Upper
184 100
185 16.2 11.7 17.5
183 6.5 9.8 14.8#



#79
Terphenyl-d14
Concen: 79.327 ng
RT: 20.157 min Scan# 2871
Delta R.T. -0.006 min
Lab File: BG055451.D
Acq: 4 Nov 2022 12:48

Tgt Ion:244 Resp: 842252
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 8.9 7.8 11.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.222 min Scan# 31

Delta R.T. -0.012 min

Lab File: BG055451.D

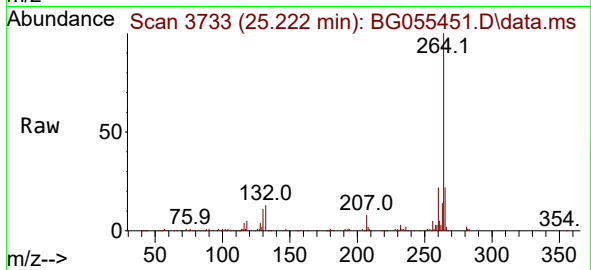
Acq: 4 Nov 2022 12:48

Instrument :

BNA_G

ClientSampleId :

PB148779BL



Tgt Ion:264 Resp: 222812

Ion Ratio Lower Upper

264 100

260 22.4 18.9 28.3

265 22.0 17.1 25.7

