

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050322\
 Data File : BG053412.D
 Acq On : 3 May 2022 11:27
 Operator : CG/JU
 Sample : PB144515BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB144515BL

Quant Time: May 04 06:05:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 06:03:03 2022
 Response via : Initial Calibration

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

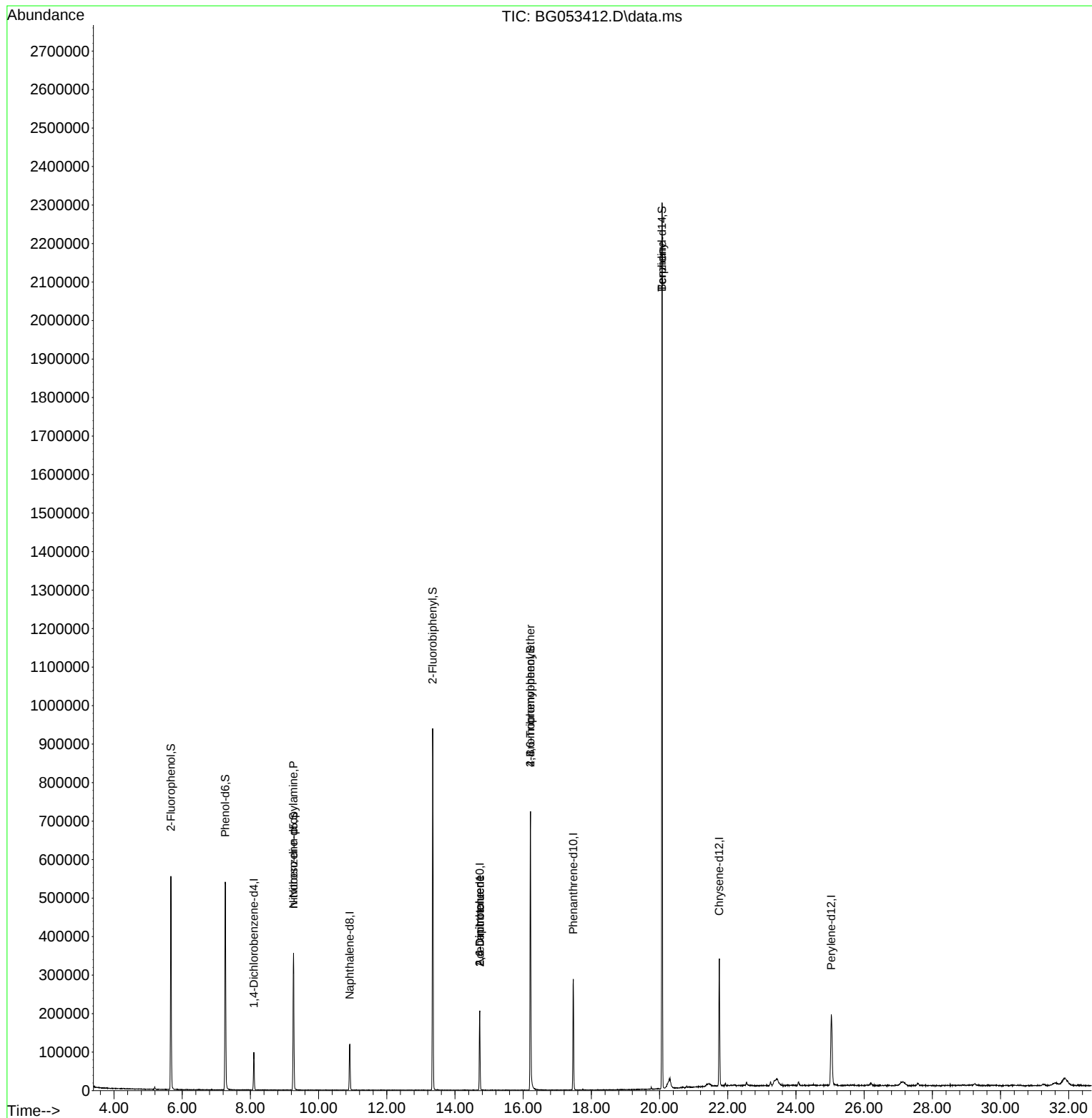
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.100	152	26286	20.000	ng	0.00
21) Naphthalene-d8	10.913	136	104289	20.000	ng	0.00
39) Acenaphthene-d10	14.726	164	77478	20.000	ng	0.00
64) Phenanthrene-d10	17.469	188	198379	20.000	ng	0.00
76) Chrysene-d12	21.746	240	227048	20.000	ng	0.00
86) Perylene-d12	25.035	264	218509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.668	112	225464	147.031	ng	0.00
7) Phenol-d6	7.260	99	319751	135.217	ng	0.00
23) Nitrobenzene-d5	9.263	82	229000	89.158	ng	0.00
42) 2,4,6-Tribromophenol	16.212	330	157108	127.456	ng	0.00
45) 2-Fluorobiphenyl	13.345	172	505561	89.977	ng	0.00
79) Terphenyl-d14	20.072	244	1154050	85.844	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.263	70	32172	18.583	ng	# 79
51) 2,6-Dinitrotoluene	14.726	165	10065	7.785	ng	# 24
57) 2,4-Dinitrotoluene	14.726	165	10065	5.468	ng	# 22
67) 4-Bromophenyl-phenylether	16.212	248	10024	3.943	ng	# 1
77) Benzidine	20.072	184	18968	2.928	ng	# 93

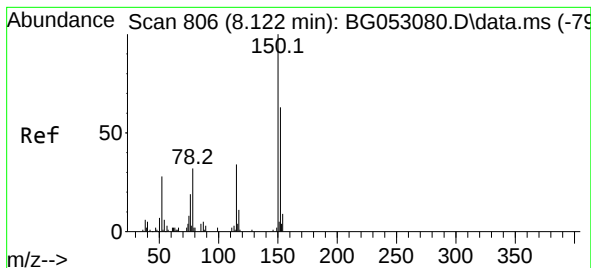
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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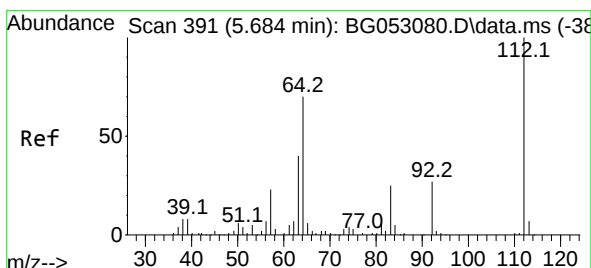
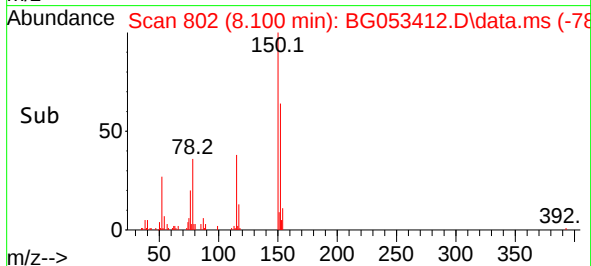
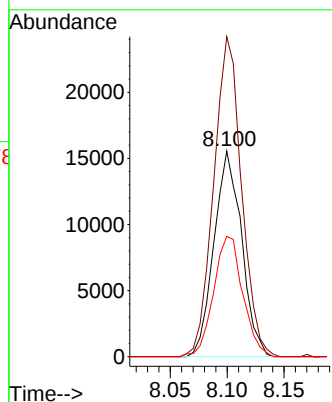
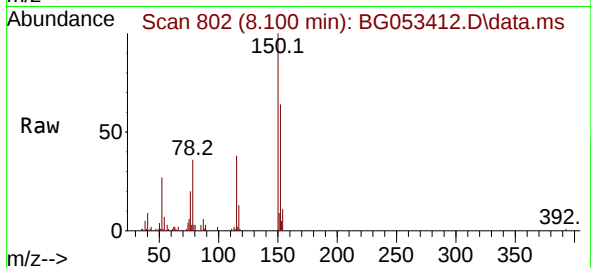




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.100 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

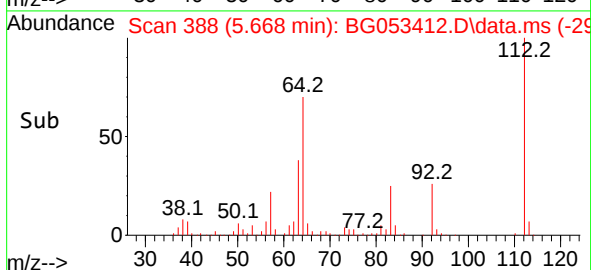
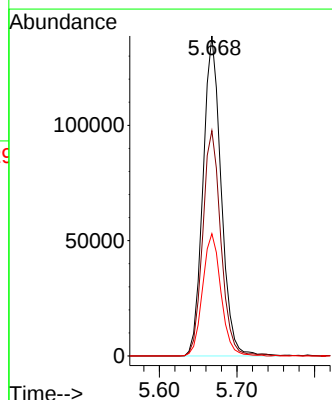
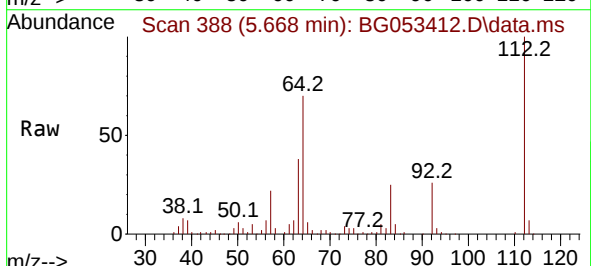
Instrument :
BNA_G
ClientSampleId :
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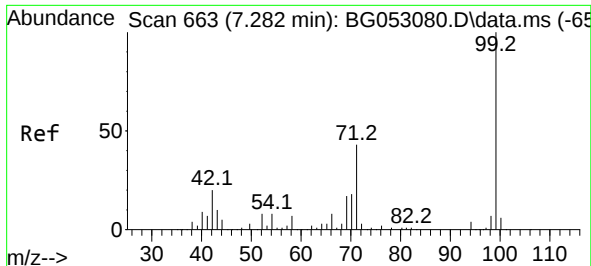
Tgt Ion:152 Resp: 26286
Ion Ratio Lower Upper
152 100
150 155.6 114.6 172.0
115 58.5 45.9 68.9



#5
2-Fluorophenol
Concen: 147.031 ng
RT: 5.668 min Scan# 388
Delta R.T. 0.004 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:112 Resp: 225464
Ion Ratio Lower Upper
112 100
64 70.4 48.0 72.0
63 38.2 26.5 39.7

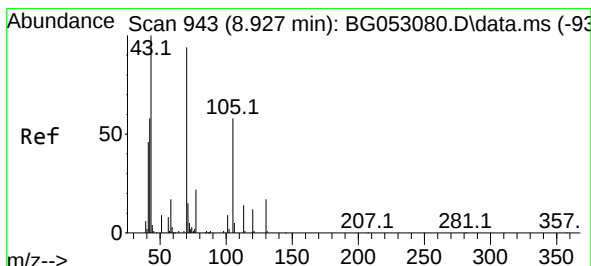
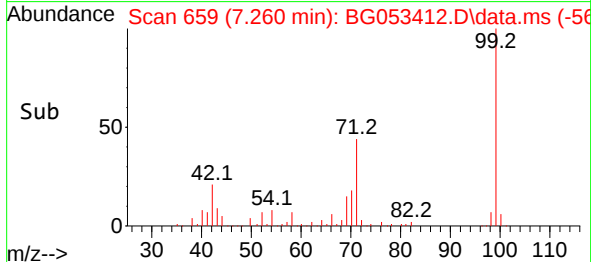
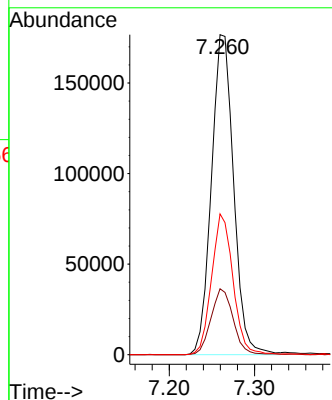
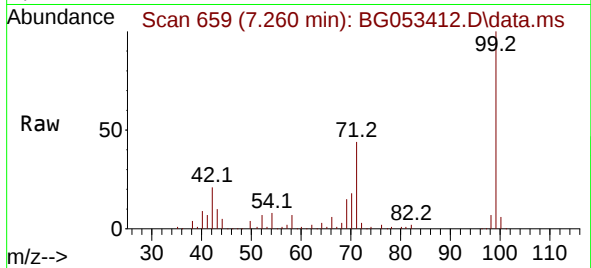




#7
Phenol-d6
Concen: 135.217 ng
RT: 7.260 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

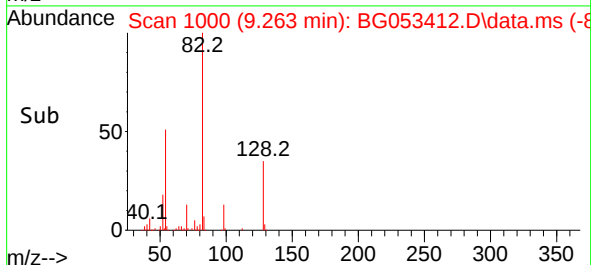
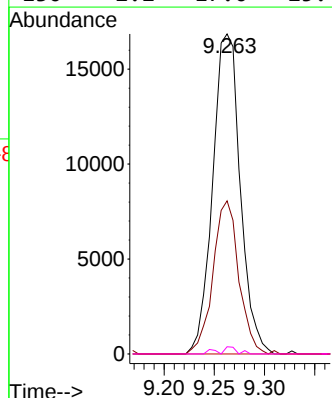
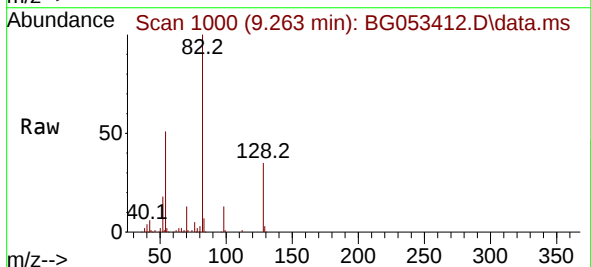
Instrument :
BNA_G
ClientSampleId :
PB144515BL

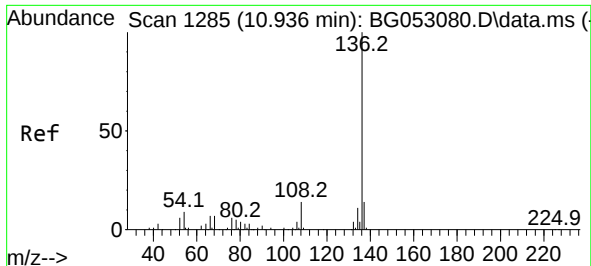
Tgt Ion: 99 Resp: 319751
Ion Ratio Lower Upper
99 100
42 20.6 14.7 22.1
71 44.0 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 18.583 ng
RT: 9.263 min Scan# 1000
Delta R.T. 0.356 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion: 70 Resp: 32172
Ion Ratio Lower Upper
70 100
42 47.9 46.0 69.0
101 0.0 6.2 9.4#
130 2.2 17.0 25.4#

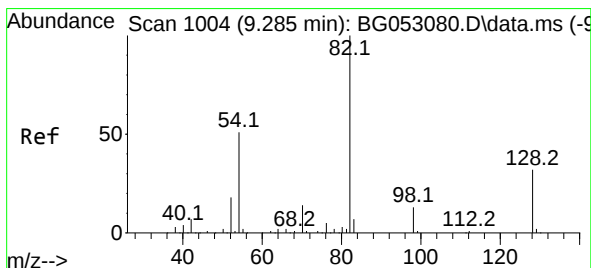
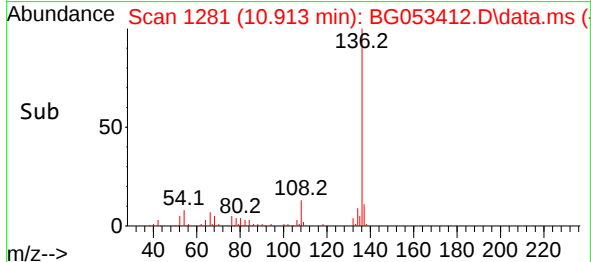
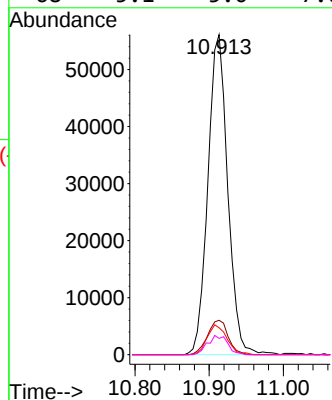
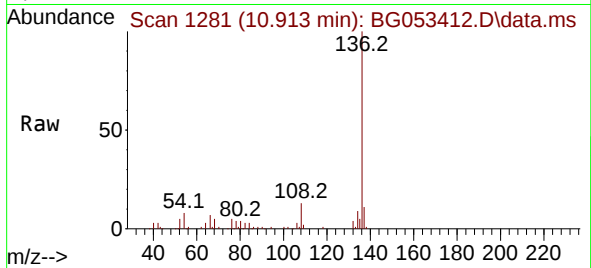




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.913 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

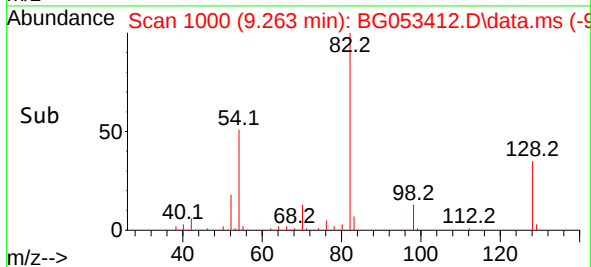
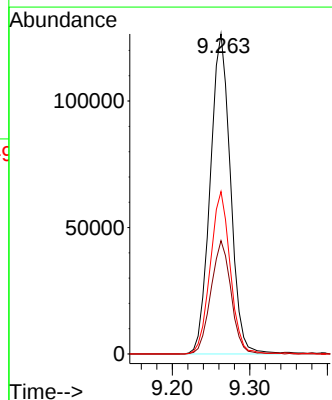
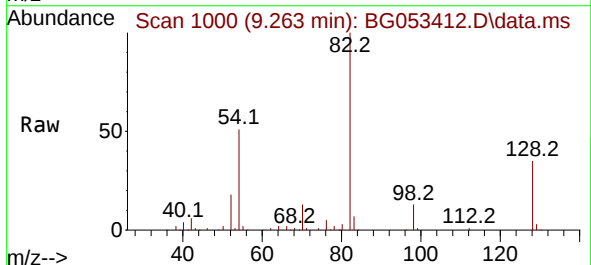
Instrument :
BNA_G
ClientSampleId :
PB144515BL

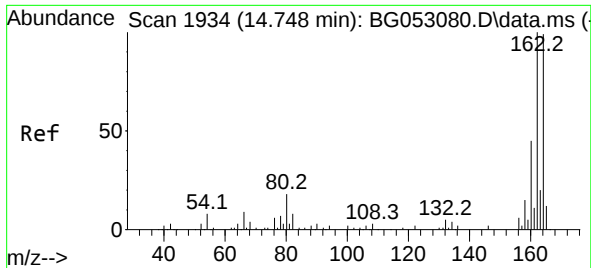
Tgt Ion:136 Resp: 104289
Ion Ratio Lower Upper
136 100
137 10.8 9.4 14.2
54 8.4 6.4 9.6
68 5.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 89.158 ng
RT: 9.263 min Scan# 1000
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion: 82 Resp: 229000
Ion Ratio Lower Upper
82 100
128 35.4 31.3 46.9
54 50.7 37.8 56.8

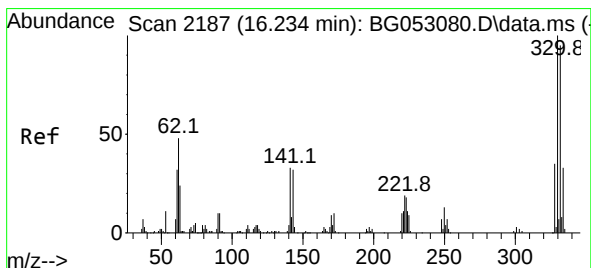
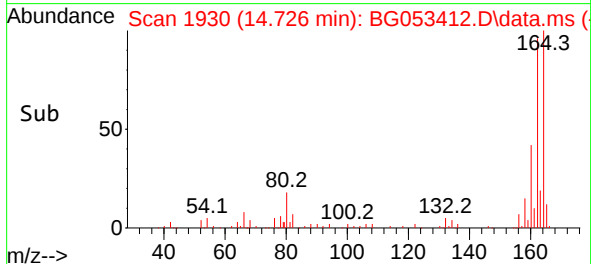
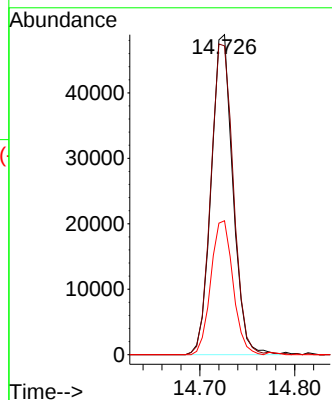
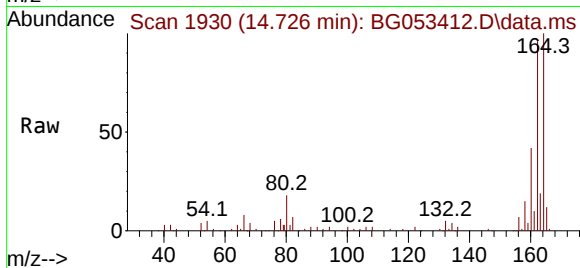




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.726 min Scan# 1930
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

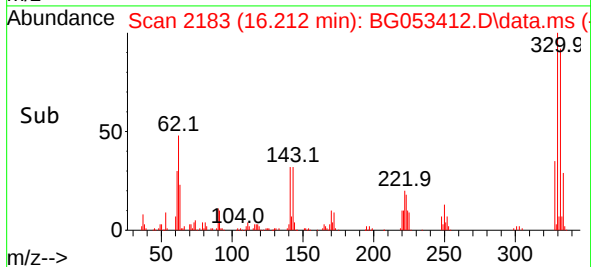
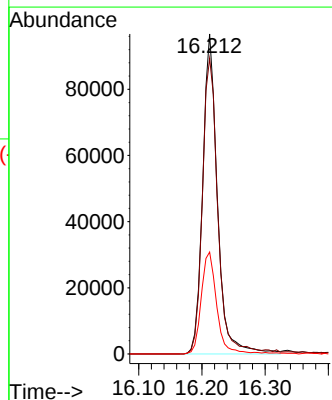
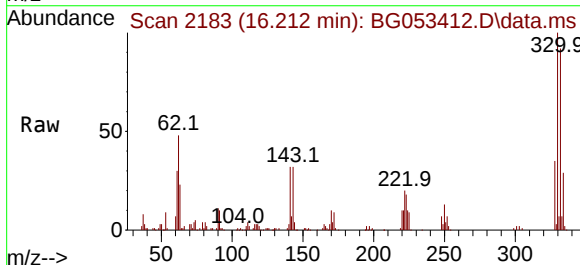
Instrument :
BNA_G
ClientSampleId :
PB144515BL

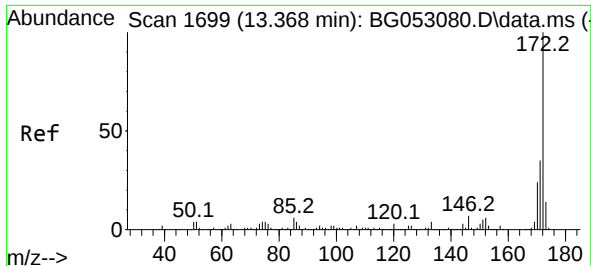
Tgt Ion:164 Resp: 77478
Ion Ratio Lower Upper
164 100
162 96.5 80.0 120.0
160 41.9 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 127.456 ng
RT: 16.212 min Scan# 2183
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:330 Resp: 157108
Ion Ratio Lower Upper
330 100
332 97.3 75.8 113.6
141 33.4 24.6 36.8

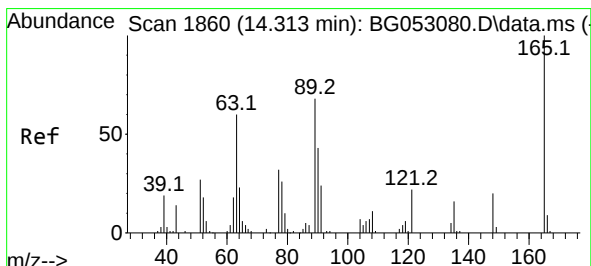
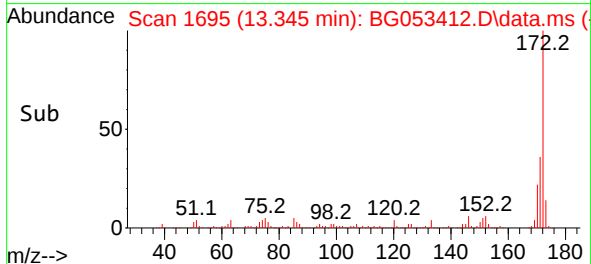
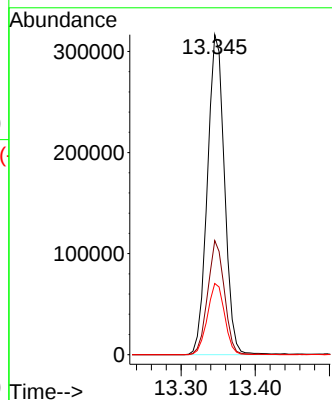
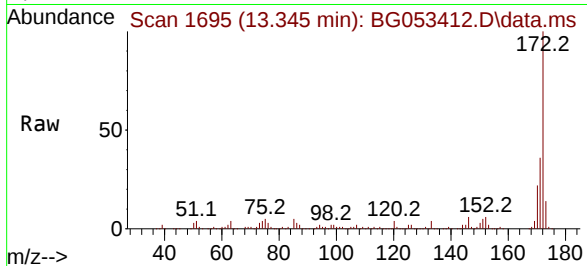




#45
2-Fluorobiphenyl
Concen: 89.977 ng
RT: 13.345 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

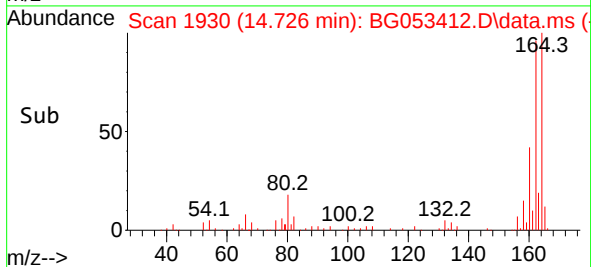
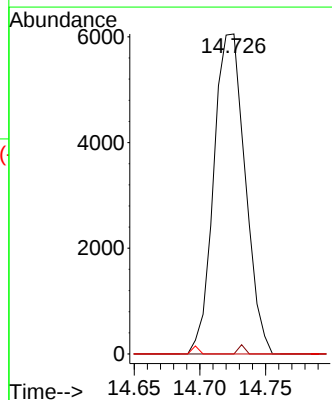
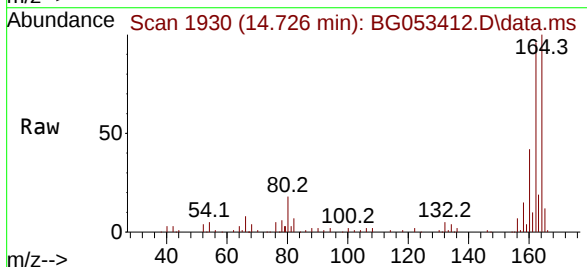
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ClientSampleId :
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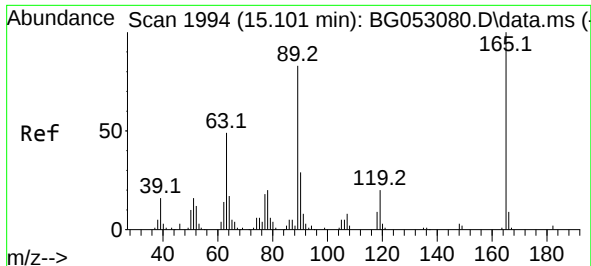
Tgt Ion:172 Resp: 505561
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 22.2 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.785 ng
RT: 14.726 min Scan# 1930
Delta R.T. 0.432 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:165 Resp: 10065
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

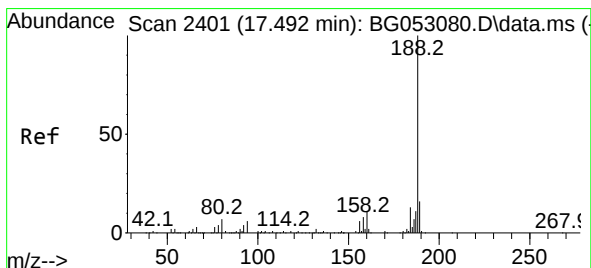
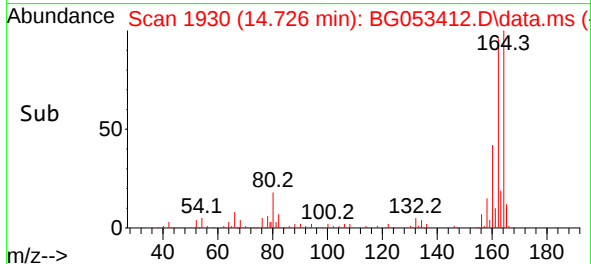
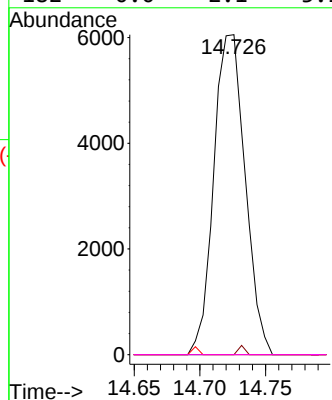
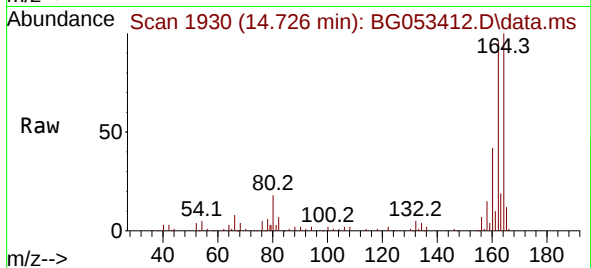




#57
2,4-Dinitrotoluene
Concen: 5.468 ng
RT: 14.726 min Scan# 1930
Delta R.T. -0.361 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

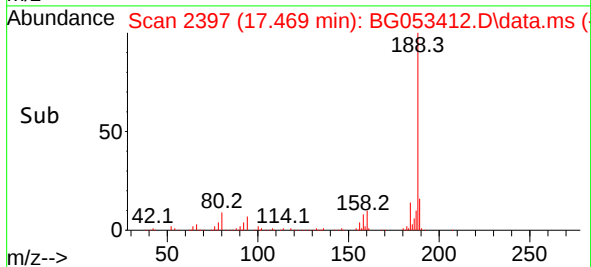
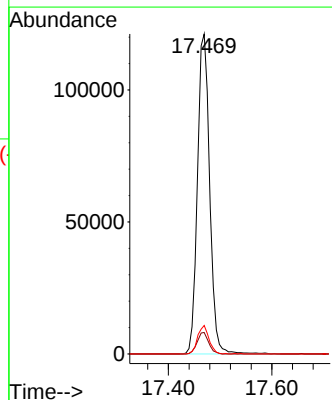
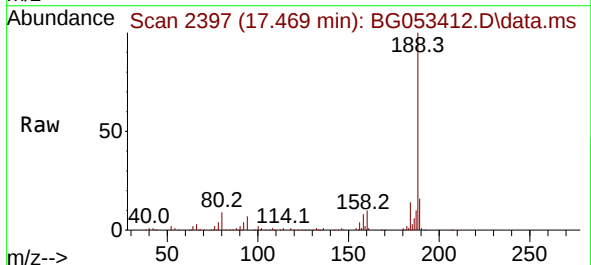
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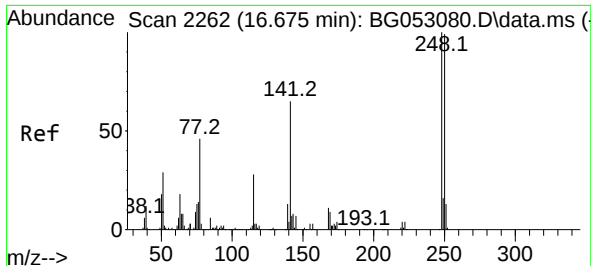
Tgt Ion:165 Resp: 10065
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.469 min Scan# 2397
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:188 Resp: 198379
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 8.9 7.2 10.8

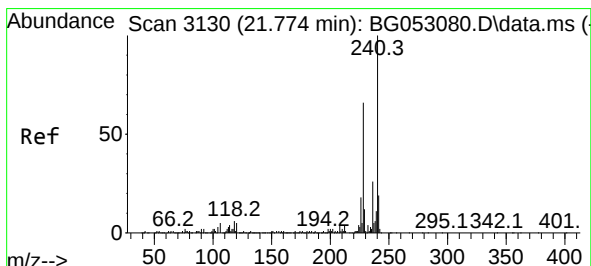
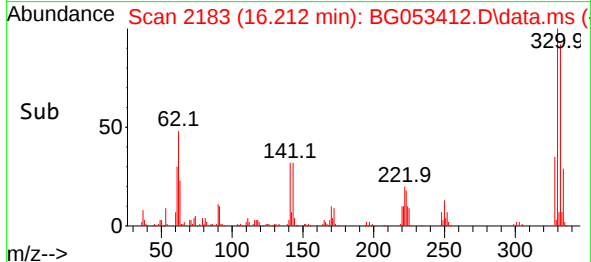
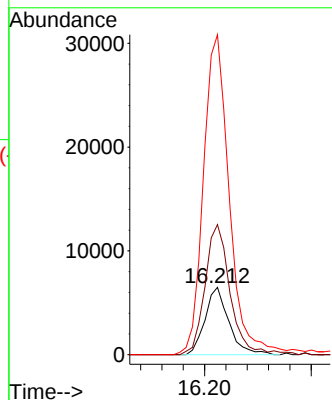
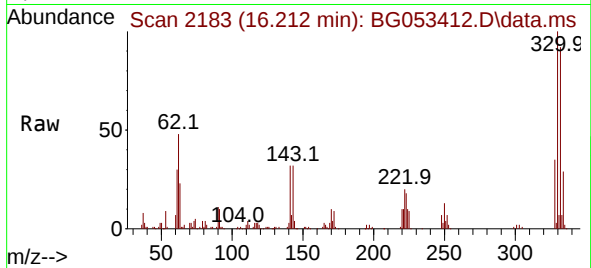




#67
4-Bromophenyl-phenylether
Concen: 3.943 ng
RT: 16.212 min Scan# 21
Delta R.T. -0.443 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

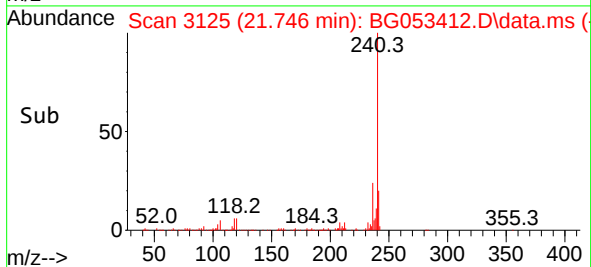
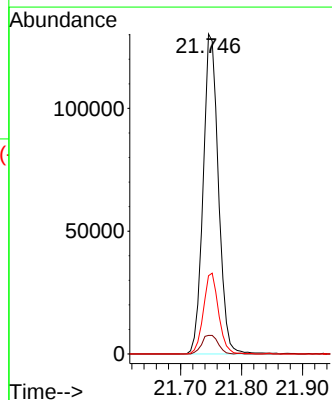
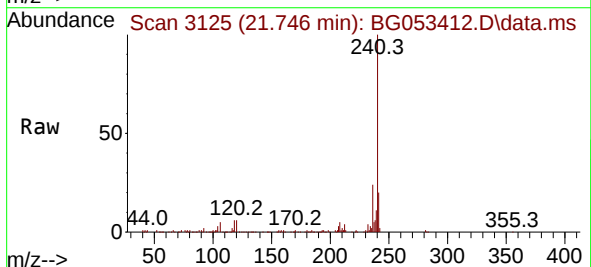
Instrument :
BNA_G
ClientSampleId :
PB144515BL

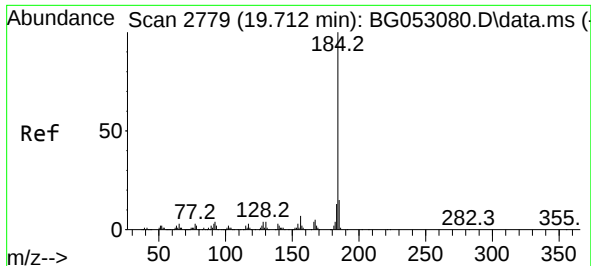
Tgt Ion:248 Resp: 10024
Ion Ratio Lower Upper
248 100
250 193.0 77.9 116.9#
141 475.1 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.746 min Scan# 3125
Delta R.T. -0.008 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:240 Resp: 227048
Ion Ratio Lower Upper
240 100
120 5.8 5.4 8.0
236 24.4 19.8 29.6

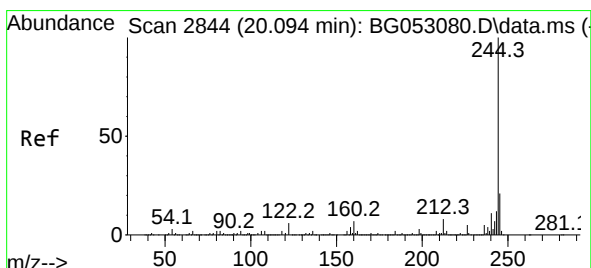
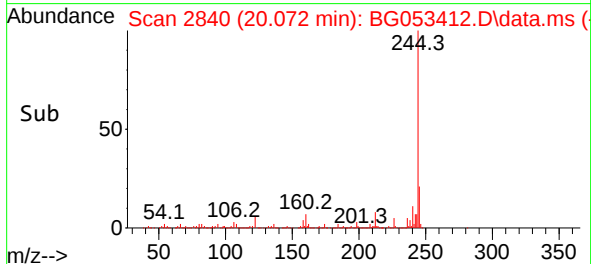
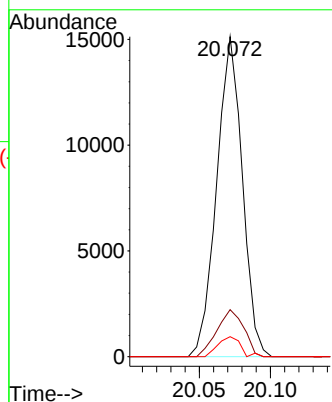
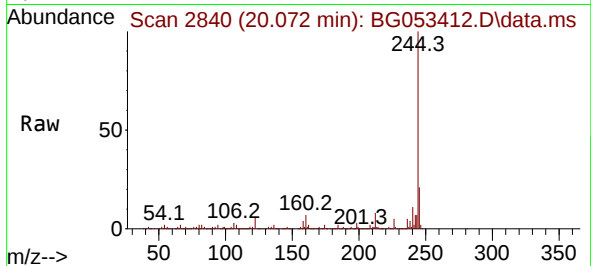




#77
Benzidine
Concen: 2.928 ng
RT: 20.072 min Scan# 21
Delta R.T. 0.380 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

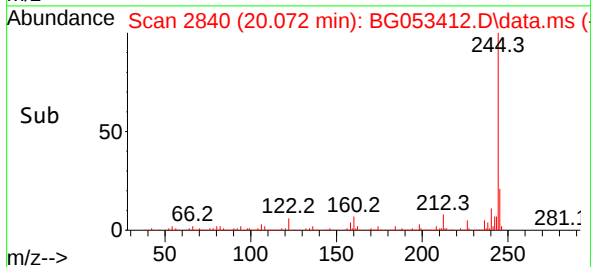
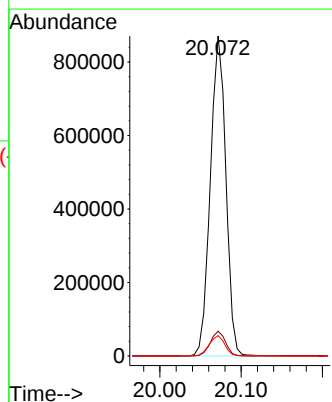
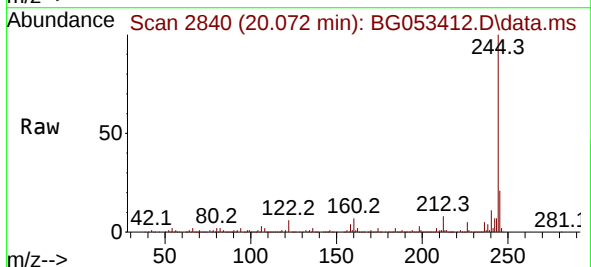
Instrument :
BNA_G
ClientSampleId :
PB144515BL

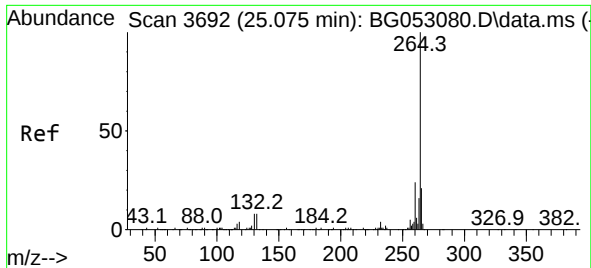
Tgt Ion:184 Resp: 18968
Ion Ratio Lower Upper
184 100
185 14.7 11.5 17.3
183 6.3 9.4 14.2#



#79
Terphenyl-d14
Concen: 85.844 ng
RT: 20.072 min Scan# 2840
Delta R.T. -0.002 min
Lab File: BG053412.D
Acq: 3 May 2022 11:27

Tgt Ion:244 Resp: 1154050
Ion Ratio Lower Upper
244 100
212 7.8 5.4 8.2
122 6.3 5.8 8.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.035 min Scan# 30
 Delta R.T. -0.008 min
 Lab File: BG053412.D
 Acq: 3 May 2022 11:27

Instrument :
 BNA_G
 ClientSampleId :
 PB144515BL

Tgt Ion:264 Resp: 218509
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.2 27.2
 265 21.0 15.1 22.7

