

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041822\
 Data File : BG053187.D
 Acq On : 18 Apr 2022 19:34
 Operator : CG/JU
 Sample : N2444-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4S

Quant Time: Apr 19 04:21:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

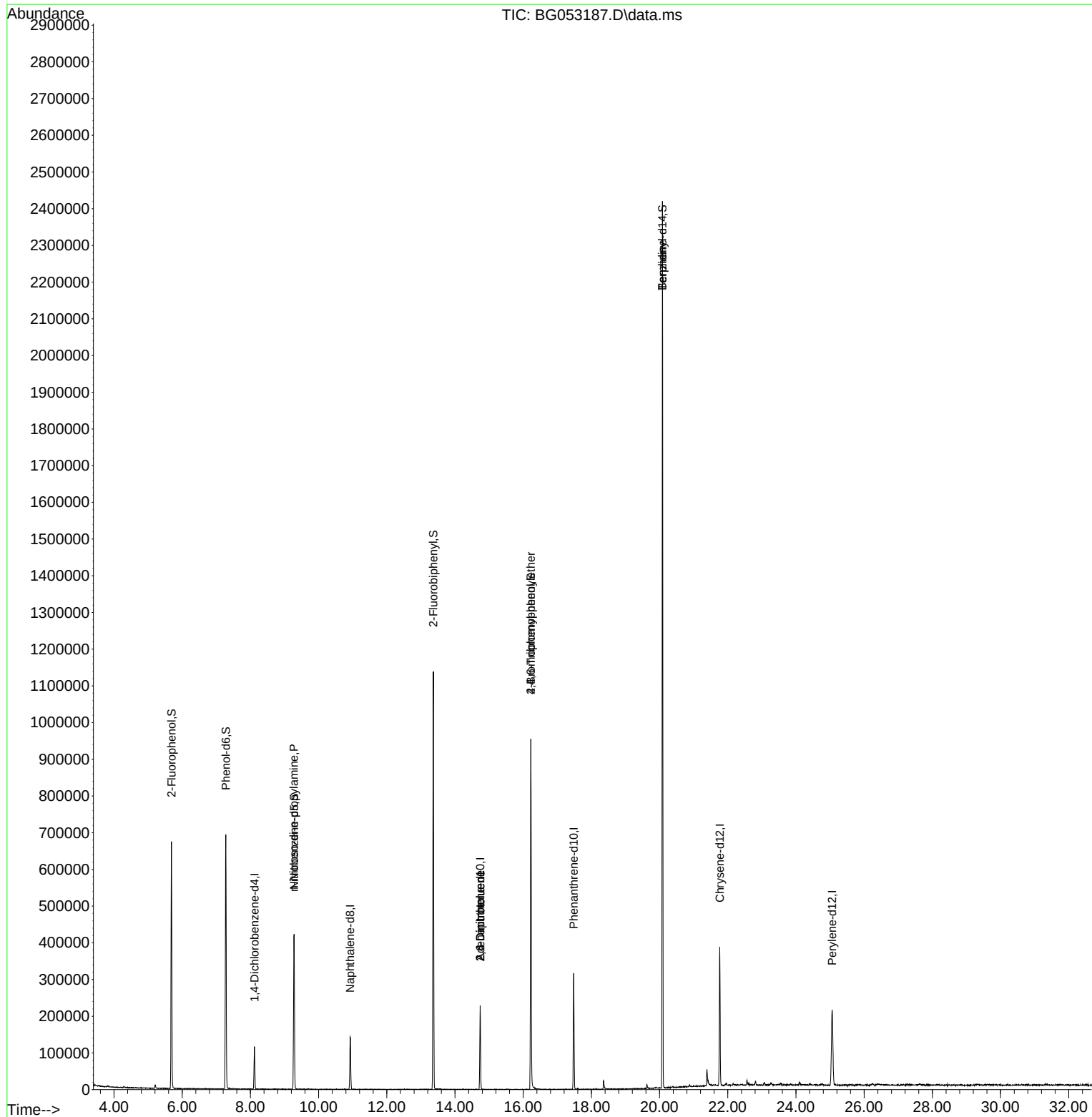
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.118	152	31599	20.000	ng	0.00
21) Naphthalene-d8	10.926	136	118944	20.000	ng	-0.01
39) Acenaphthene-d10	14.738	164	86137	20.000	ng	0.00
64) Phenanthrene-d10	17.482	188	208668	20.000	ng	-0.01
76) Chrysene-d12	21.764	240	241654	20.000	ng	0.00
86) Perylene-d12	25.060	264	242325	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.686	112	277317	150.439	ng	0.00
7) Phenol-d6	7.278	99	393146	138.301	ng	0.00
23) Nitrobenzene-d5	9.281	82	279990	95.579	ng	0.00
42) 2,4,6-Tribromophenol	16.224	330	196908	143.686	ng	0.00
45) 2-Fluorobiphenyl	13.364	172	607415	97.237	ng	0.00
79) Terphenyl-d14	20.084	244	1218960	85.192	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.275	70	39896	19.170	ng	# 72
51) 2,6-Dinitrotoluene	14.738	165	10977	7.637	ng	# 24
57) 2,4-Dinitrotoluene	14.738	165	10977	5.364	ng	# 22
67) 4-Bromophenyl-phenylether	16.224	248	13385	5.006	ng	# 1
77) Benzidine	20.084	184	21747	3.154	ng	# 90

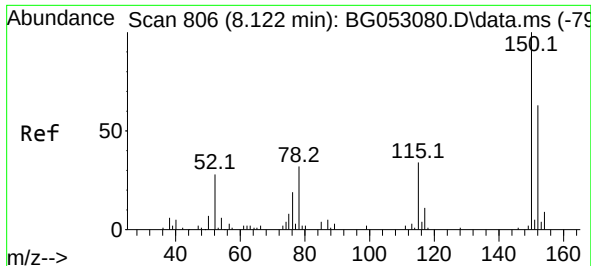
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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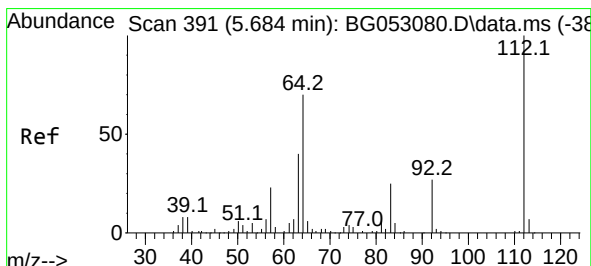
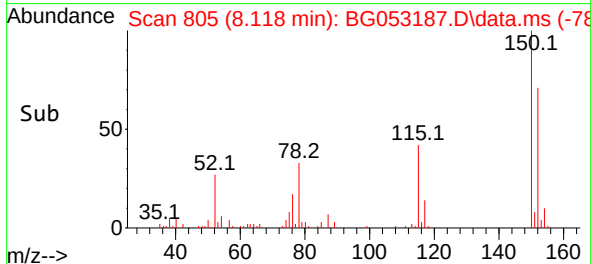
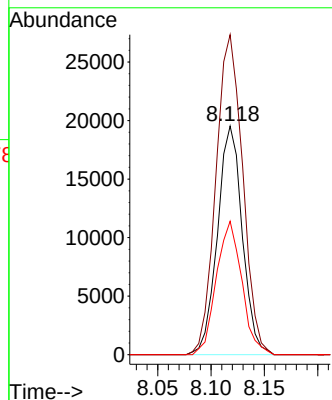
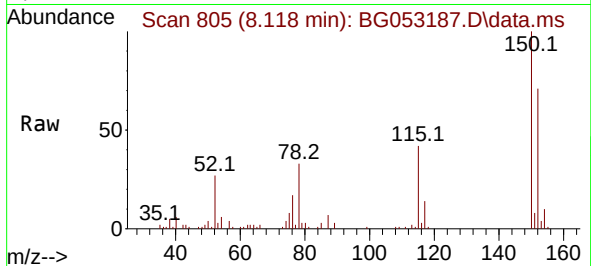




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.118 min Scan# 806
Delta R.T. -0.004 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

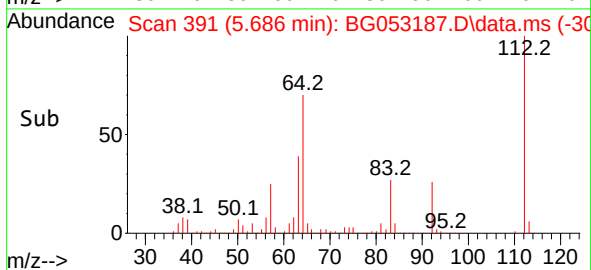
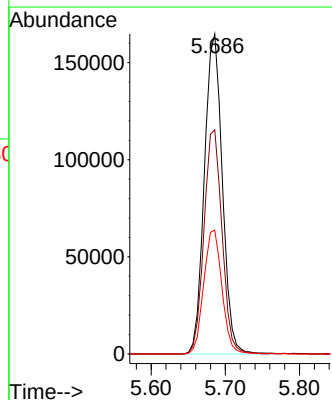
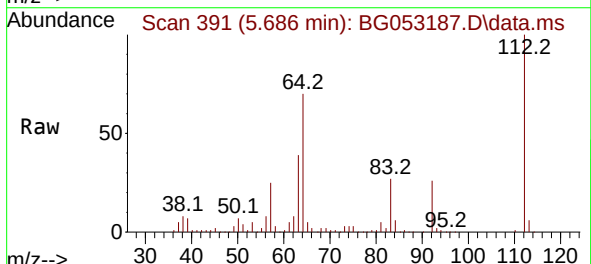
Instrument :
BNA_G
ClientSampleId :
SB-4S

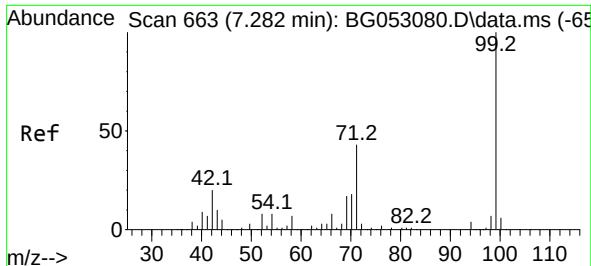
Tgt Ion:152 Resp: 31599
Ion Ratio Lower Upper
152 100
150 139.9 114.6 172.0
115 58.4 45.9 68.9



#5
2-Fluorophenol
Concen: 150.439 ng
RT: 5.686 min Scan# 391
Delta R.T. 0.002 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion:112 Resp: 277317
Ion Ratio Lower Upper
112 100
64 70.0 48.0 72.0
63 38.7 26.5 39.7

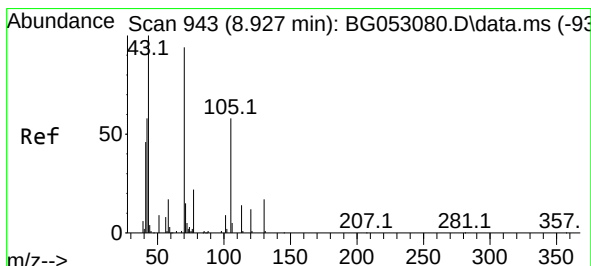
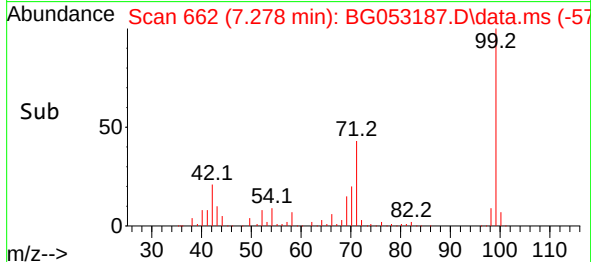
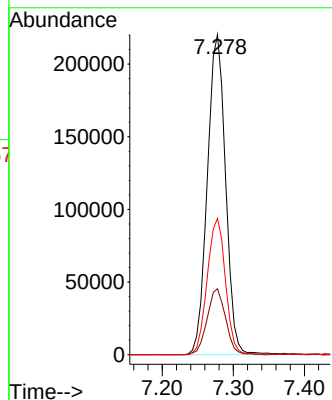
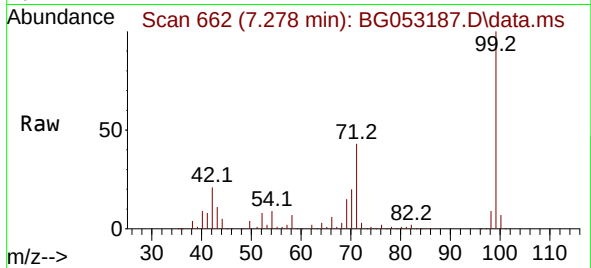




#7
Phenol-d6
Concen: 138.301 ng
RT: 7.278 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

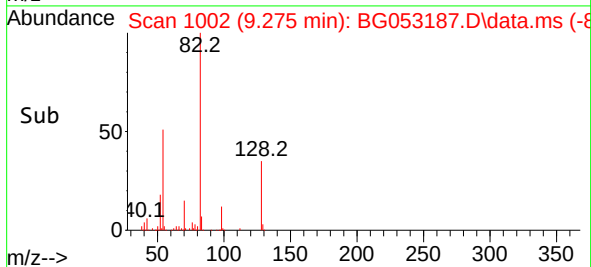
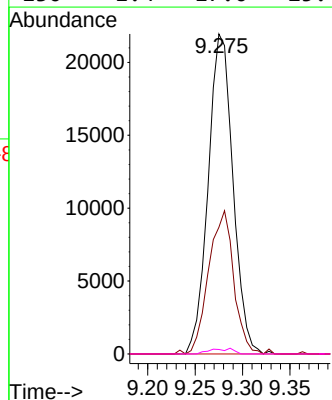
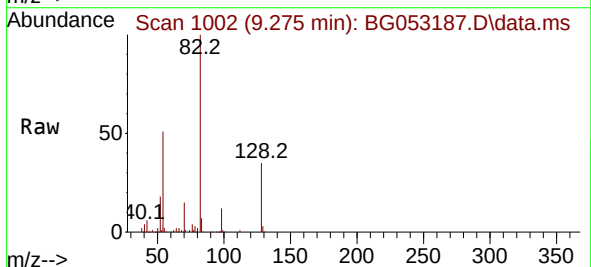
Instrument :
BNA_G
ClientSampleId :
SB-4S

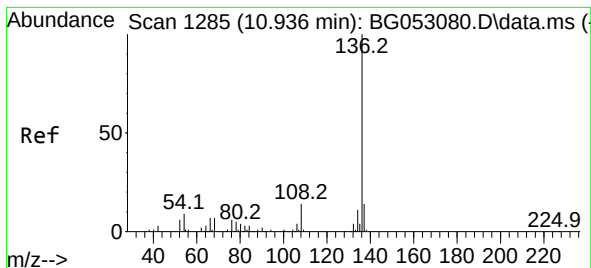
Tgt Ion: 99 Resp: 393146
Ion Ratio Lower Upper
99 100
42 20.6 14.7 22.1
71 42.6 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.170 ng
RT: 9.275 min Scan# 1002
Delta R.T. 0.348 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion: 70 Resp: 39896
Ion Ratio Lower Upper
70 100
42 39.6 46.0 69.0#
101 0.0 6.2 9.4#
130 1.4 17.0 25.4#



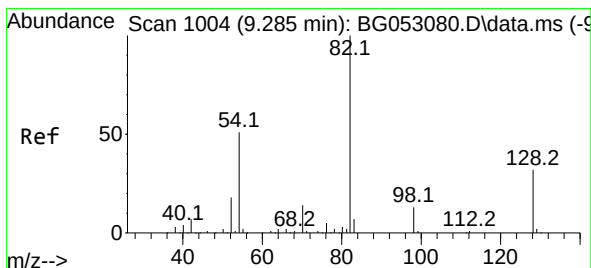
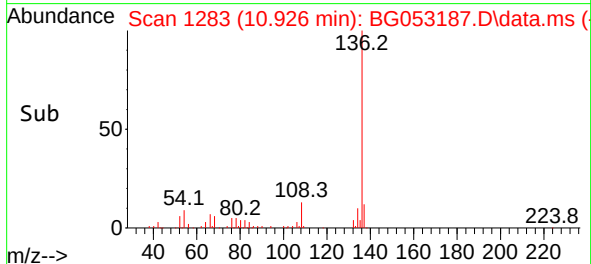
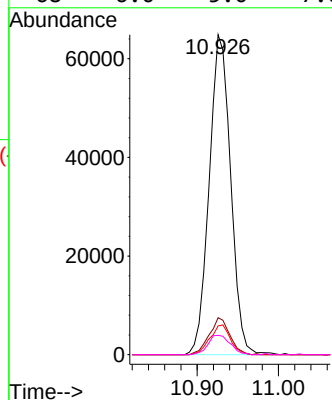
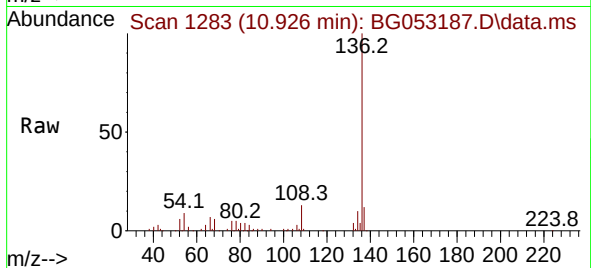


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.926 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Instrument :
BNA_G
ClientSampleId :
SB-4S

Tgt Ion:136 Resp: 118944

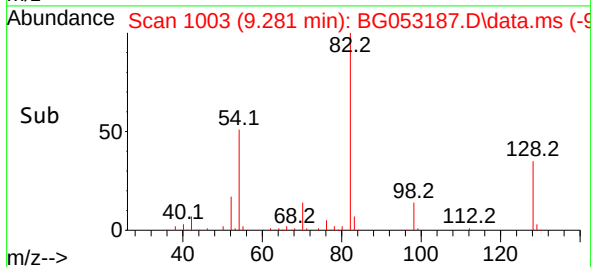
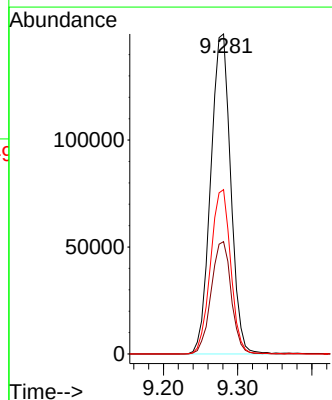
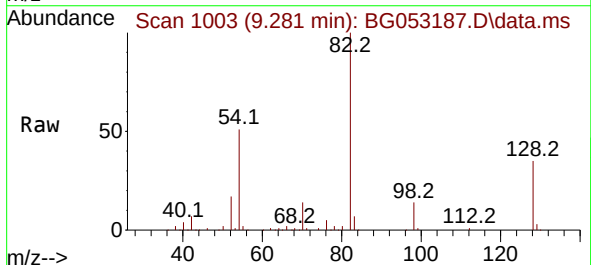
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.2
54	9.0	6.4	9.6
68	6.0	5.0	7.6

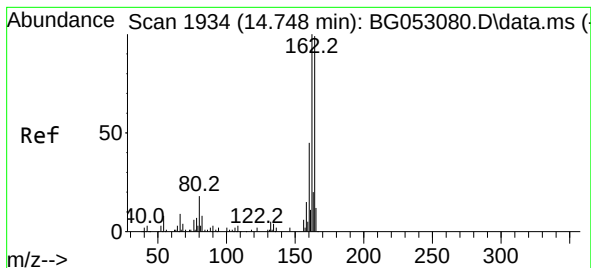


#23
Nitrobenzene-d5
Concen: 95.579 ng
RT: 9.281 min Scan# 1003
Delta R.T. -0.004 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion: 82 Resp: 279990

Ion	Ratio	Lower	Upper
82	100		
128	35.1	31.3	46.9
54	51.3	37.8	56.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.738 min Scan# 1932

Delta R.T. -0.010 min

Lab File: BG053187.D

Acq: 18 Apr 2022 19:34

Instrument :

BNA_G

ClientSampleId :

SB-4S

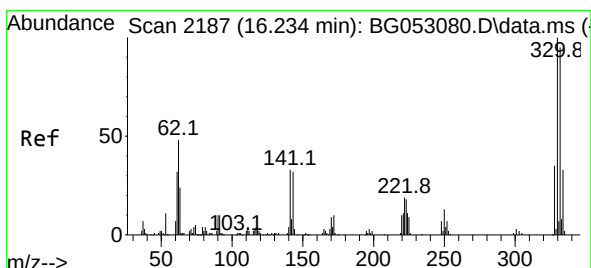
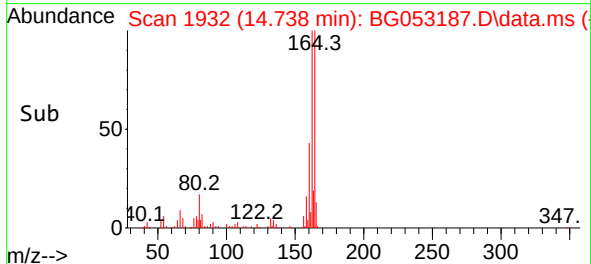
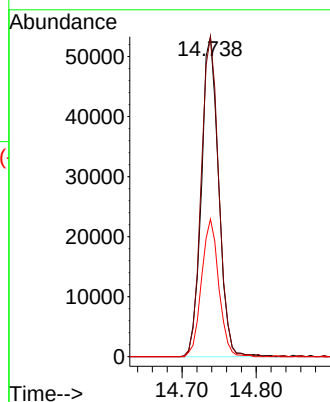
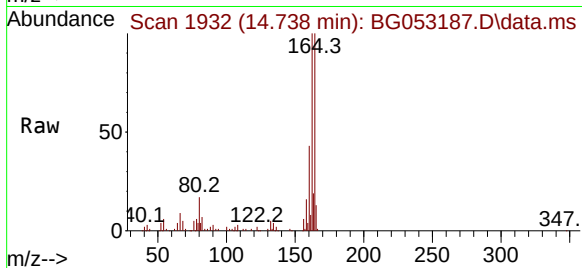
Tgt Ion:164 Resp: 86137

Ion Ratio Lower Upper

164 100

162 100.0 80.0 120.0

160 43.0 38.8 58.2



#42

2,4,6-Tribromophenol

Concen: 143.686 ng

RT: 16.224 min Scan# 2185

Delta R.T. -0.010 min

Lab File: BG053187.D

Acq: 18 Apr 2022 19:34

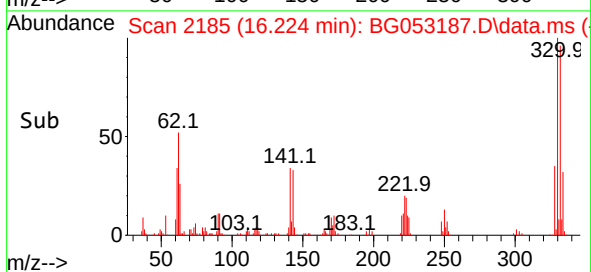
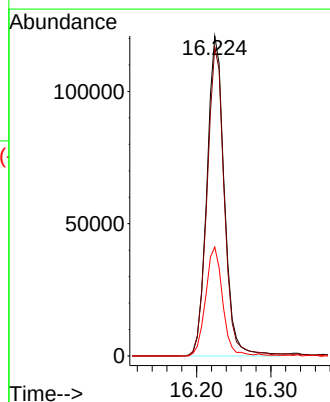
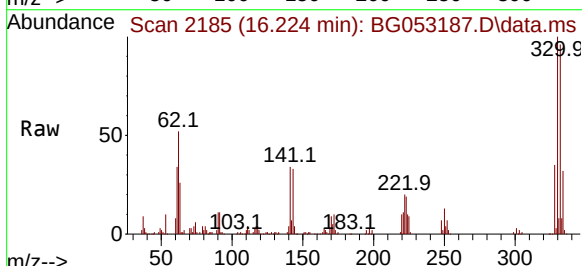
Tgt Ion:330 Resp: 196908

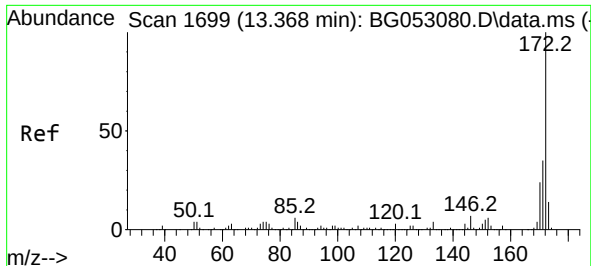
Ion Ratio Lower Upper

330 100

332 95.6 75.8 113.6

141 33.1 24.6 36.8

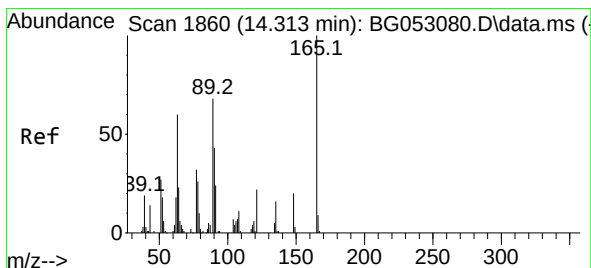
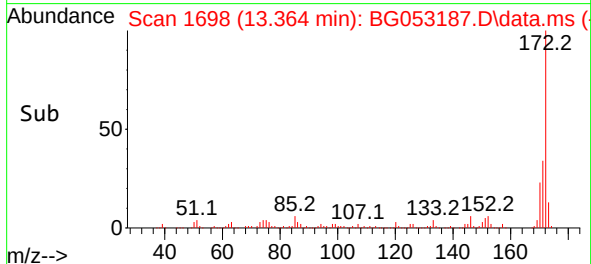
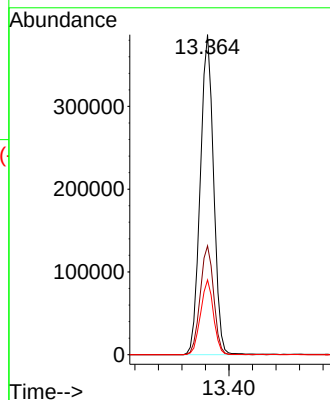
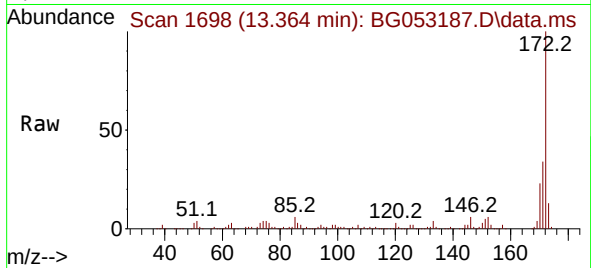




#45
2-Fluorobiphenyl
Concen: 97.237 ng
RT: 13.364 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

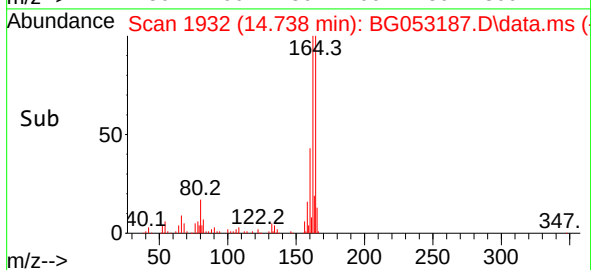
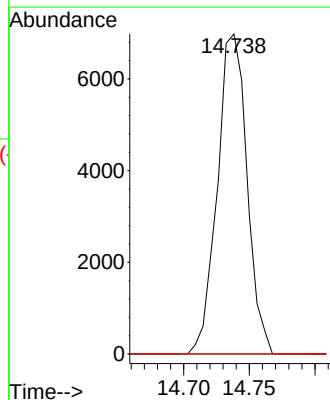
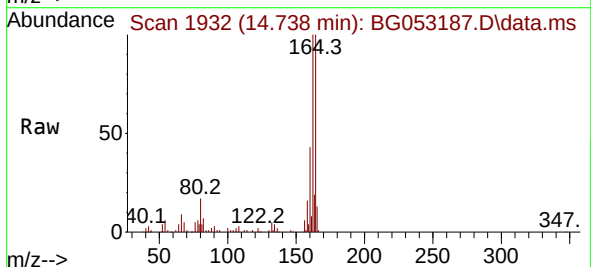
Instrument :
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ClientSampleId :
SB-4S

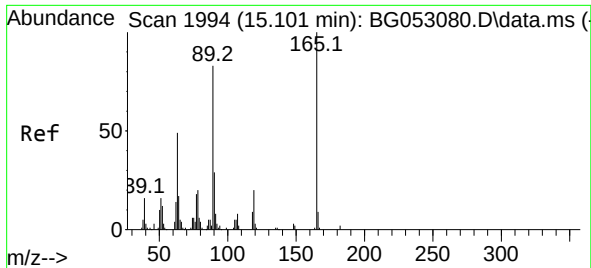
Tgt Ion:172 Resp: 607415
Ion Ratio Lower Upper
172 100
171 34.0 28.3 42.5
170 23.3 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.637 ng
RT: 14.738 min Scan# 1932
Delta R.T. 0.425 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion:165 Resp: 10977
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

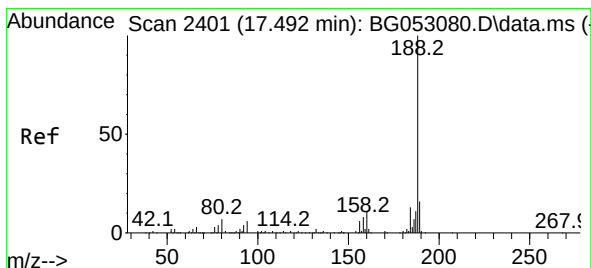
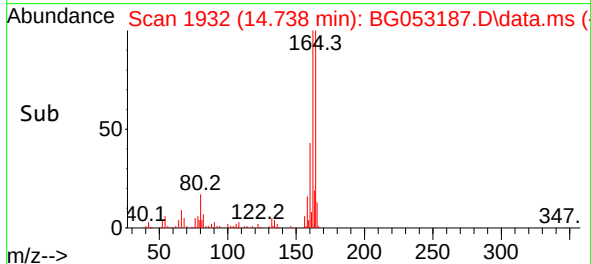
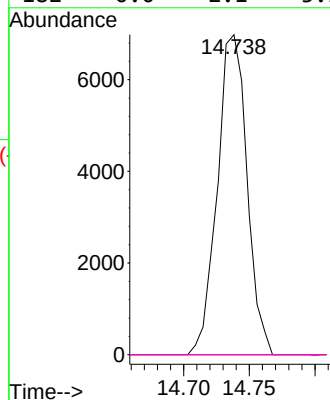
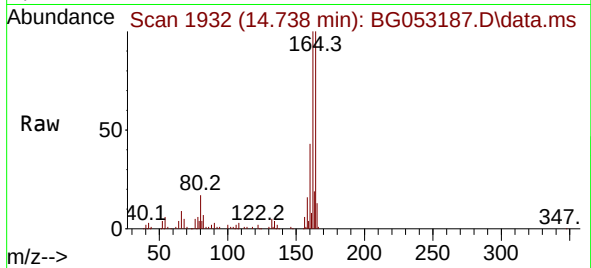




#57
2,4-Dinitrotoluene
Concen: 5.364 ng
RT: 14.738 min Scan# 1994
Delta R.T. -0.362 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

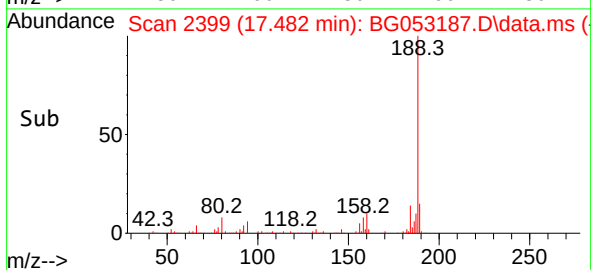
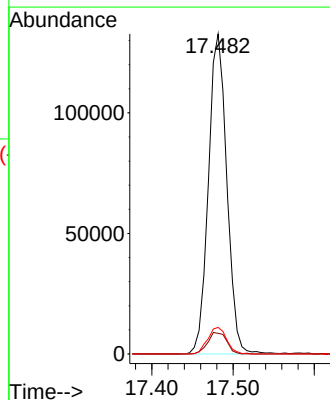
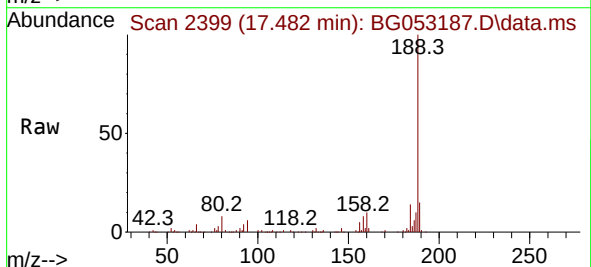
Instrument :
BNA_G
ClientSampleId :
SB-4S

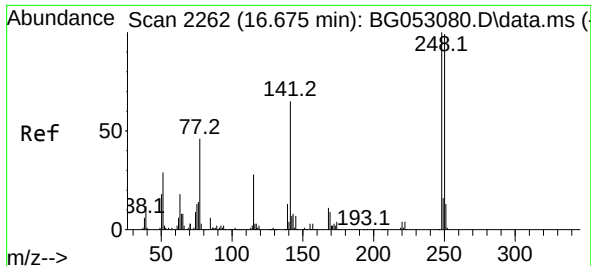
Tgt Ion:165 Resp: 10977
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.482 min Scan# 2399
Delta R.T. -0.010 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion:188 Resp: 208668
Ion Ratio Lower Upper
188 100
94 6.5 5.7 8.5
80 8.3 7.2 10.8

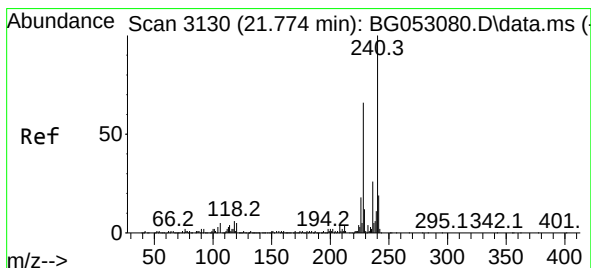
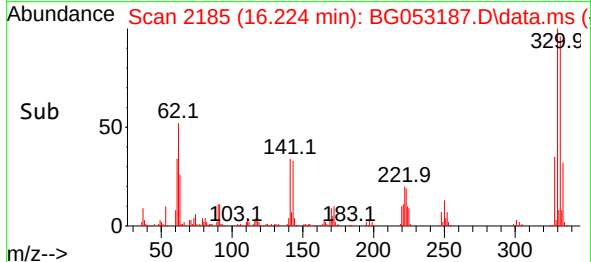
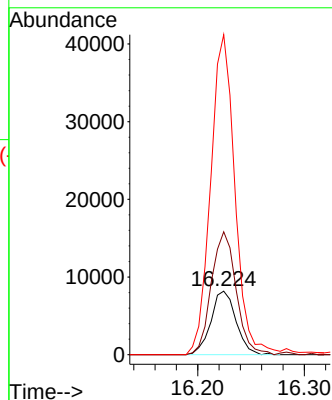
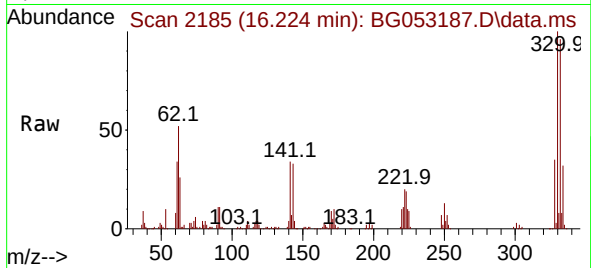




#67
4-Bromophenyl-phenylether
Concen: 5.006 ng
RT: 16.224 min Scan# 2118
Delta R.T. -0.451 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

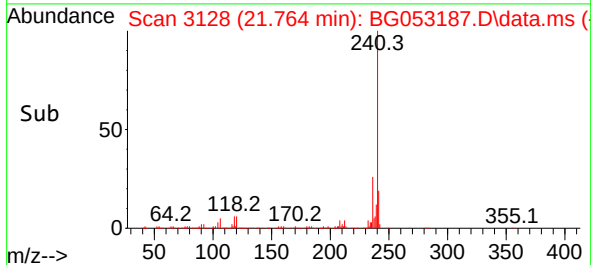
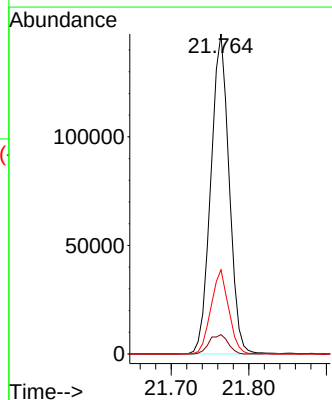
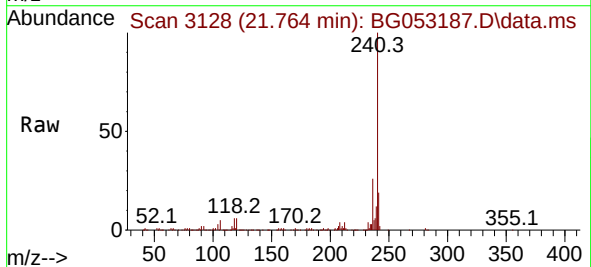
Instrument :
BNA_G
ClientSampleId :
SB-4S

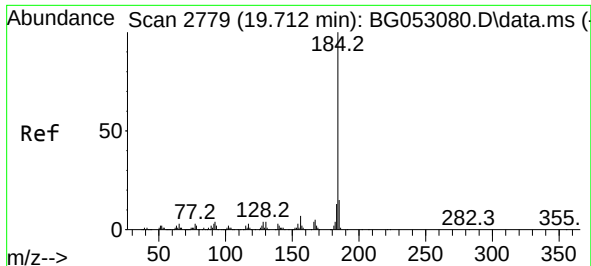
Tgt Ion:248 Resp: 13385
Ion Ratio Lower Upper
248 100
250 193.4 77.9 116.9#
141 503.4 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.764 min Scan# 3128
Delta R.T. -0.010 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion:240 Resp: 241654
Ion Ratio Lower Upper
240 100
120 6.0 5.4 8.0
236 26.3 19.8 29.6

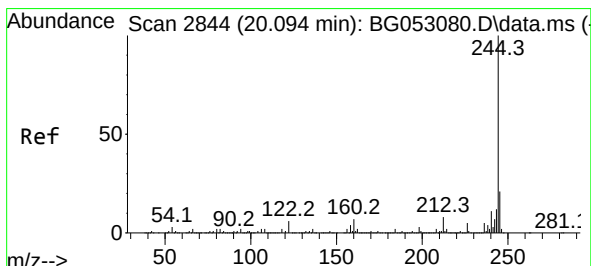
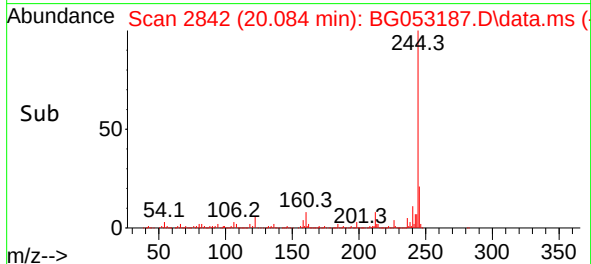
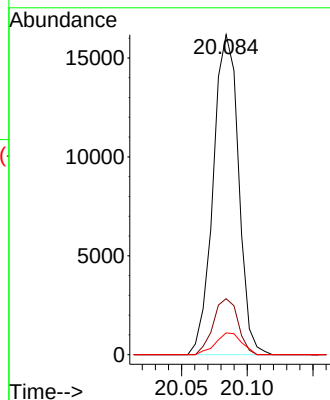
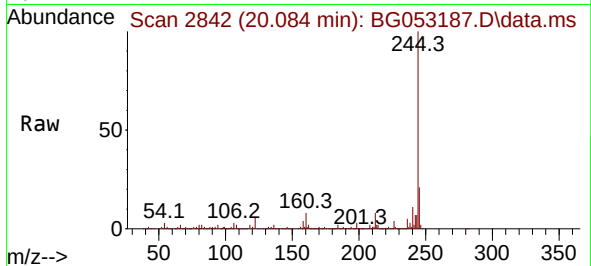




#77
Benzidine
Concen: 3.154 ng
RT: 20.084 min Scan# 21
Delta R.T. 0.372 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

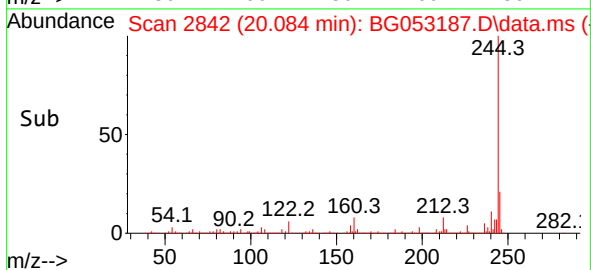
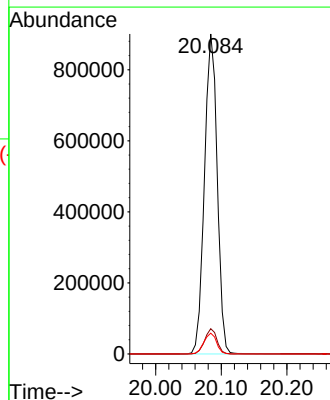
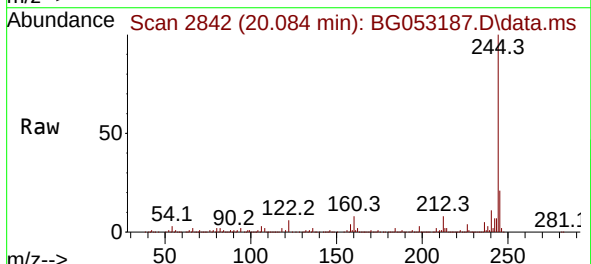
Instrument :
BNA_G
ClientSampleId :
SB-4S

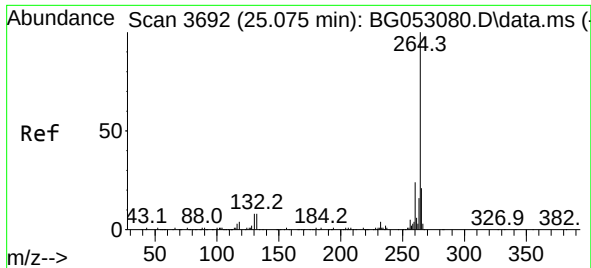
Tgt Ion:184 Resp: 21747
Ion Ratio Lower Upper
184 100
185 17.5 11.5 17.3#
183 6.8 9.4 14.2#



#79
Terphenyl-d14
Concen: 85.192 ng
RT: 20.084 min Scan# 2842
Delta R.T. -0.010 min
Lab File: BG053187.D
Acq: 18 Apr 2022 19:34

Tgt Ion:244 Resp: 1218960
Ion Ratio Lower Upper
244 100
212 7.9 5.4 8.2
122 6.5 5.8 8.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.060 min Scan# 30
 Delta R.T. -0.016 min
 Lab File: BG053187.D
 Acq: 18 Apr 2022 19:34

Instrument :
 BNA_G
 ClientSampleId :
 SB-4S

Tgt Ion:264 Resp: 242325
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.2
 265 22.8 15.1 22.7#

