

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053737.D
 Acq On : 27 May 2022 17:31
 Operator : CG/JU
 Sample : N3072-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PSC-124030

Quant Time: May 28 01:58:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

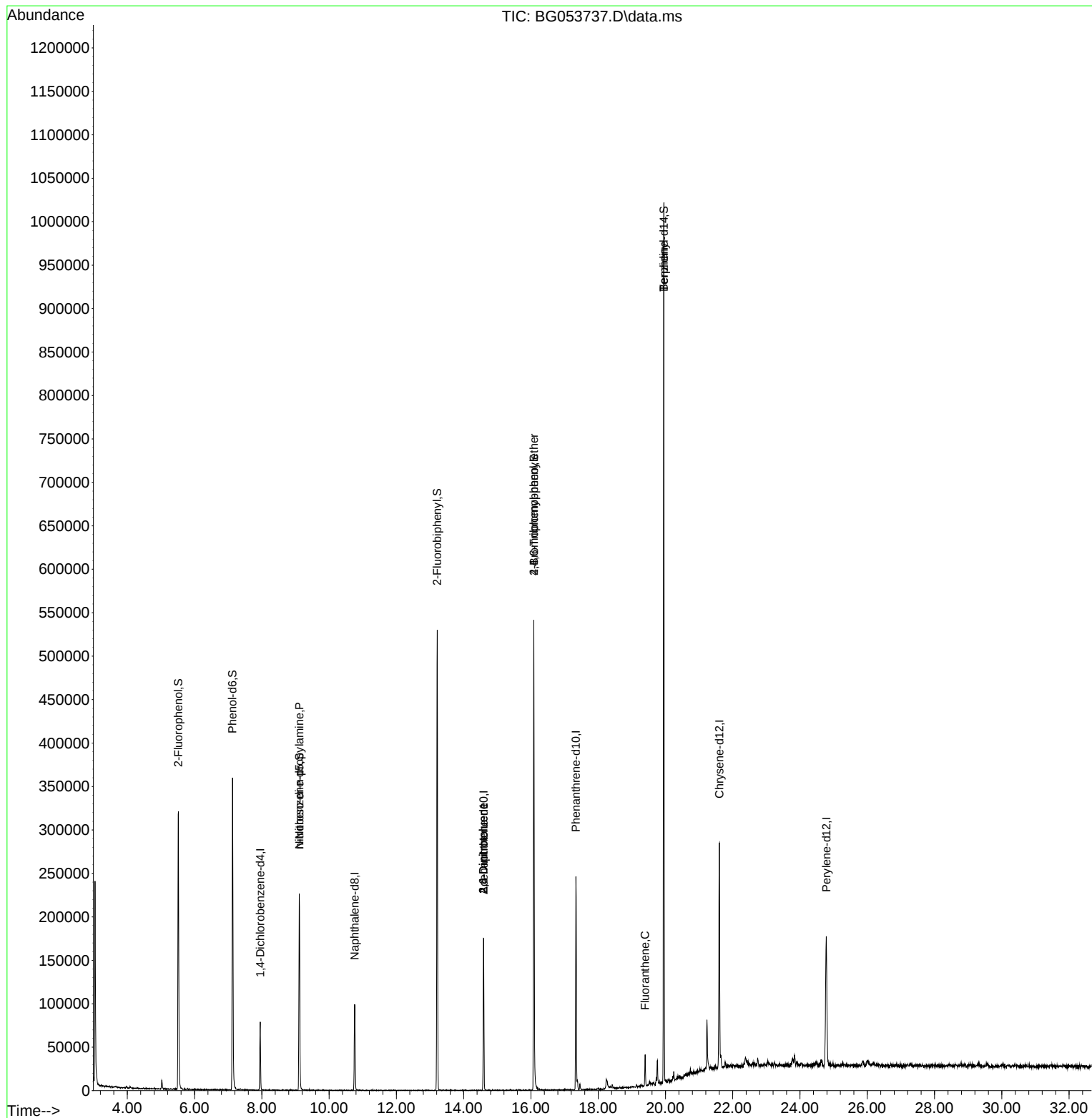
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	20880	20.000	ng	-0.03
21) Naphthalene-d8	10.759	136	84900	20.000	ng	-0.04
39) Acenaphthene-d10	14.595	164	64662	20.000	ng	-0.03
64) Phenanthrene-d10	17.339	188	160705	20.000	ng	-0.03
76) Chrysene-d12	21.604	240	159727	20.000	ng	-0.03
86) Perylene-d12	24.782	264	155915	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	138812	112.827	ng	-0.03
7) Phenol-d6	7.129	99	205496	110.057	ng	-0.03
23) Nitrobenzene-d5	9.115	82	141829	71.112	ng	-0.04
42) 2,4,6-Tribromophenol	16.087	330	111706	117.130	ng	-0.03
45) 2-Fluorobiphenyl	13.215	172	282150	63.762	ng	-0.03
79) Terphenyl-d14	19.953	244	527091	61.461	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.115	70	20340	15.183	ng	# 76
51) 2,6-Dinitrotoluene	14.590	165	8593	8.584	ng	# 16
57) 2,4-Dinitrotoluene	14.590	165	8593	5.922	ng	# 21
67) 4-Bromophenyl-phenylether	16.087	248	7344	3.913	ng	# 1
75) Fluoranthene	19.395	202	23790	2.248	ng	# 97
77) Benzidine	19.953	184	8867	2.576	ng	# 96

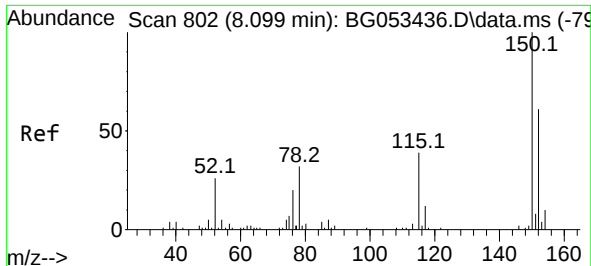
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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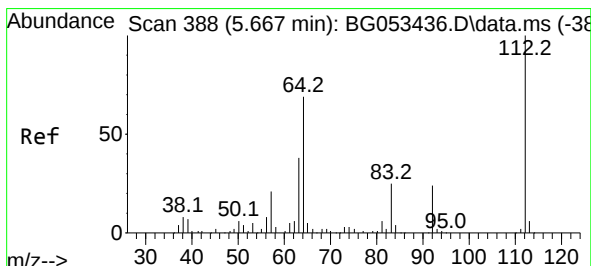
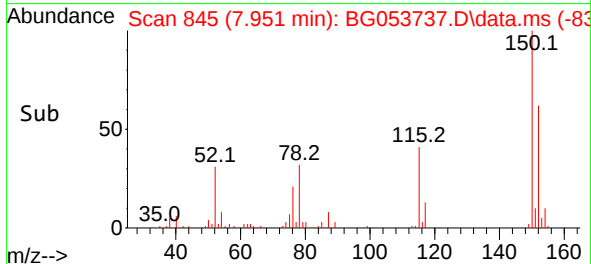
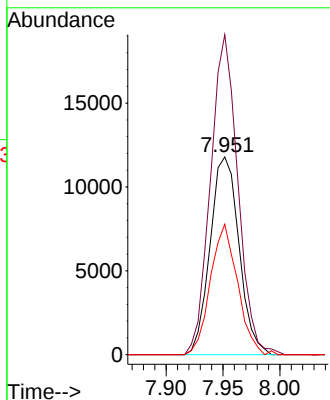
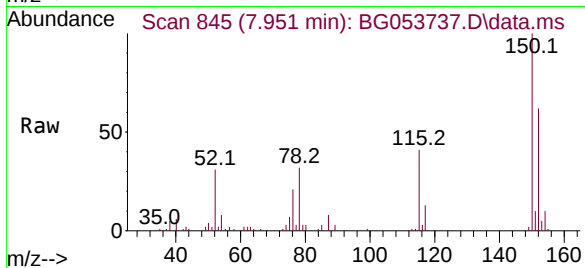




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 84
Delta R.T. -0.035 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

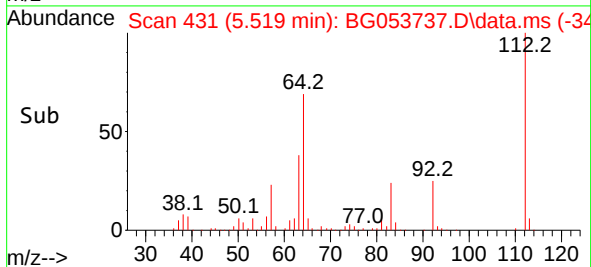
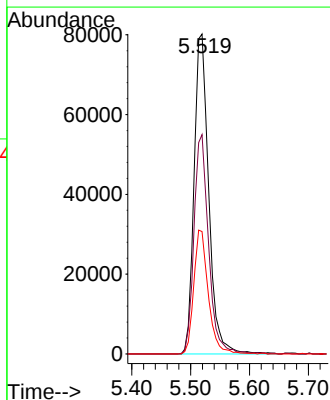
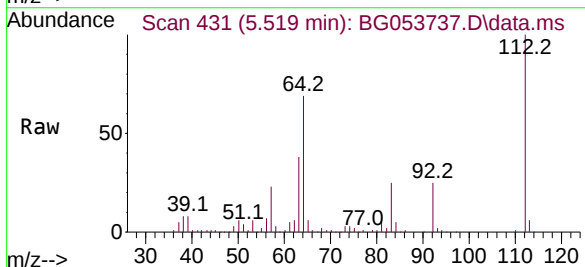
Instrument :
BNA_G
ClientSampleId :
PSC-124030

Tgt Ion:152 Resp: 20880
Ion Ratio Lower Upper
152 100
150 161.7 131.6 197.4
115 65.9 50.9 76.3



#5
2-Fluorophenol
Concen: 112.827 ng
RT: 5.519 min Scan# 431
Delta R.T. -0.035 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion:112 Resp: 138812
Ion Ratio Lower Upper
112 100
64 68.6 55.1 82.7
63 38.3 30.4 45.6

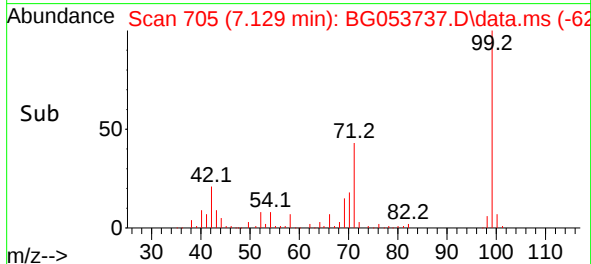
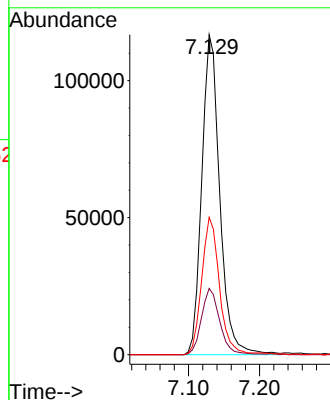
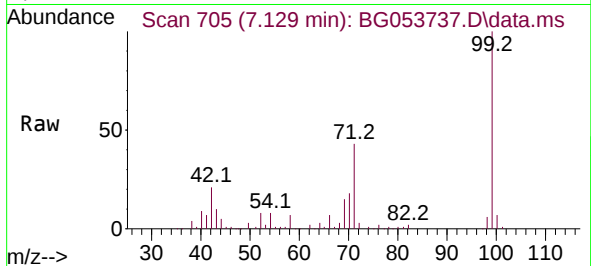




#7
Phenol-d6
Concen: 110.057 ng
RT: 7.129 min Scan# 70
Delta R.T. -0.035 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

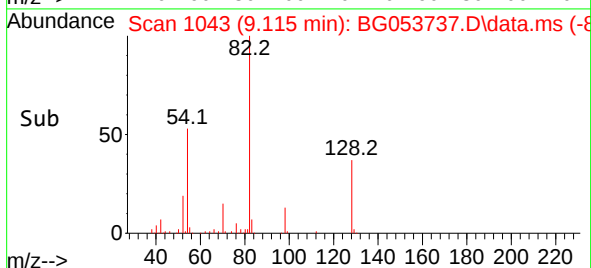
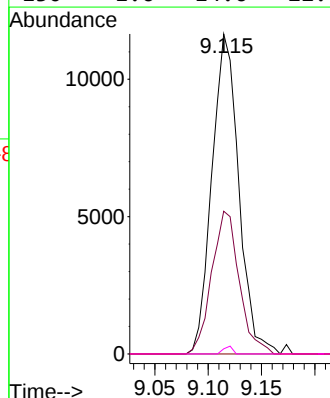
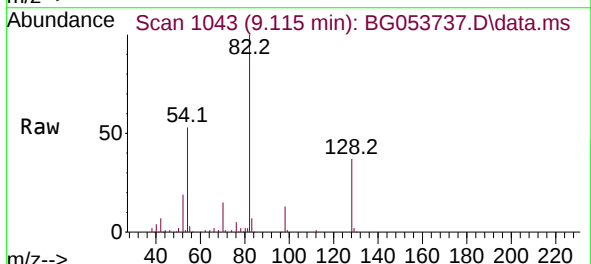
Instrument :
BNA_G
ClientSampleId :
PSC-124030

Tgt Ion: 99 Resp: 205496
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 42.9 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.183 ng
RT: 9.115 min Scan# 1043
Delta R.T. 0.318 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion: 70 Resp: 20340
Ion Ratio Lower Upper
70 100
42 44.6 47.3 70.9#
101 0.0 7.0 10.4#
130 1.6 14.6 22.0#

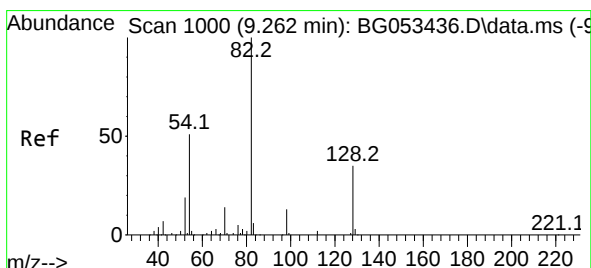
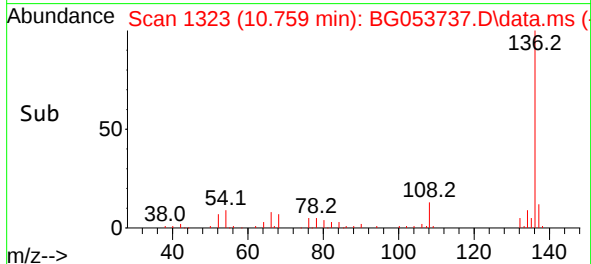
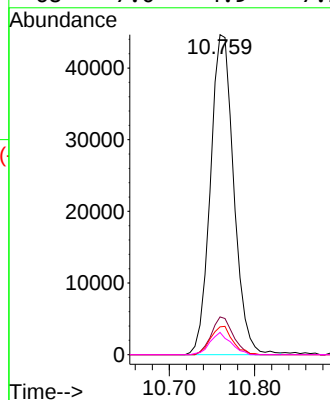
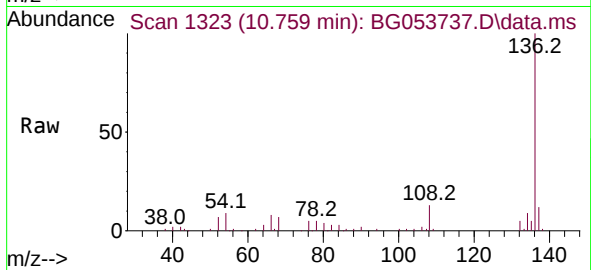




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.759 min Scan# 11
Delta R.T. -0.041 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

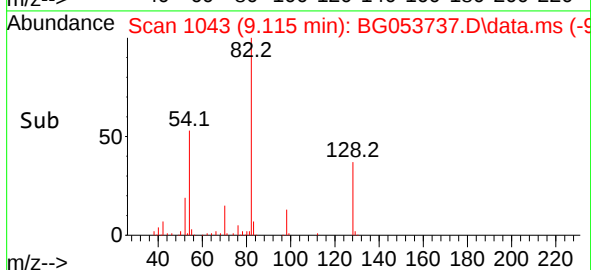
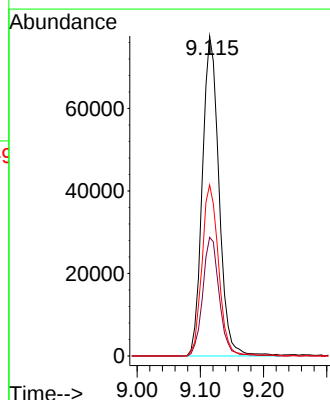
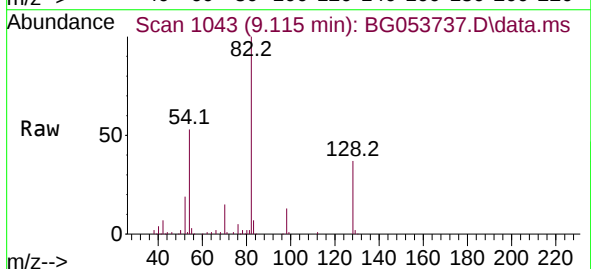
Instrument :
BNA_G
ClientSampleId :
PSC-124030

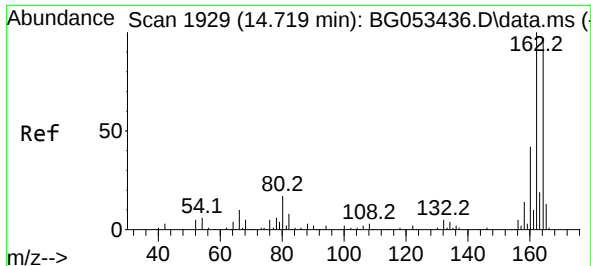
Tgt Ion:136	Resp:	84900
Ion Ratio	Lower	Upper
136	100	
137	11.8	8.5 12.7
54	8.7	7.4 11.2
68	7.0	4.9 7.3



#23
Nitrobenzene-d5
Concen: 71.112 ng
RT: 9.115 min Scan# 1043
Delta R.T. -0.041 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion: 82	Resp:	141829
Ion Ratio	Lower	Upper
82	100	
128	37.0	27.9 41.9
54	53.5	41.2 61.8

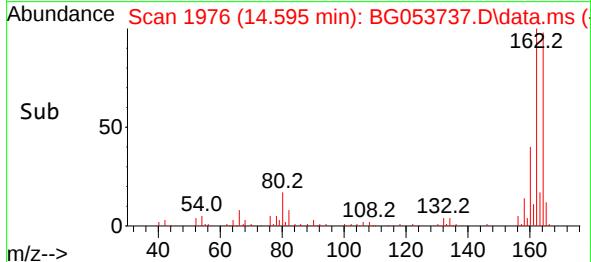
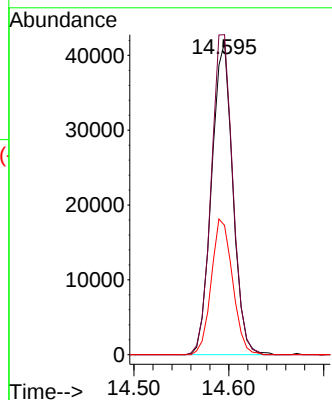
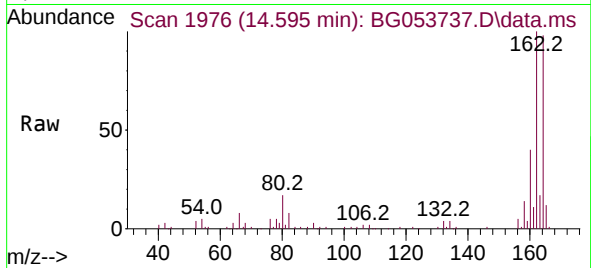




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

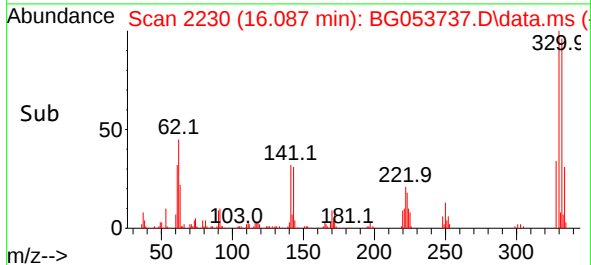
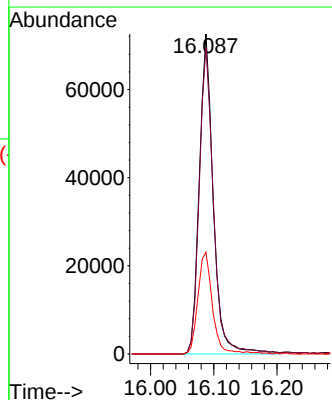
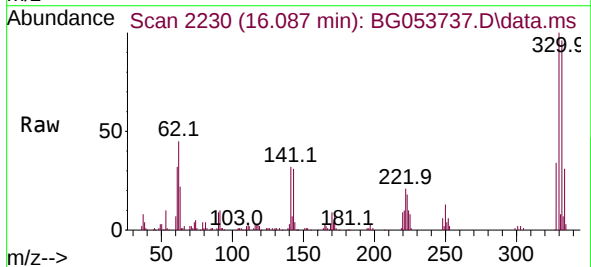
Instrument :
BNA_G
ClientSampleId :
PSC-124030

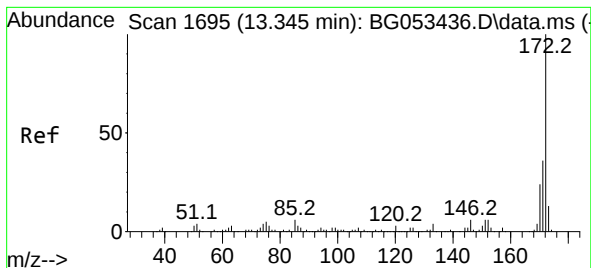
Tgt Ion:164 Resp: 64662
Ion Ratio Lower Upper
164 100
162 102.4 82.3 123.5
160 41.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 117.130 ng
RT: 16.087 min Scan# 2230
Delta R.T. -0.029 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion:330 Resp: 111706
Ion Ratio Lower Upper
330 100
332 97.2 76.0 114.0
141 33.3 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 63.762 ng

RT: 13.215 min Scan# 1

Delta R.T. -0.029 min

Lab File: BG053737.D

Acq: 27 May 2022 17:31

Instrument :

BNA_G

ClientSampleId :

PSC-124030

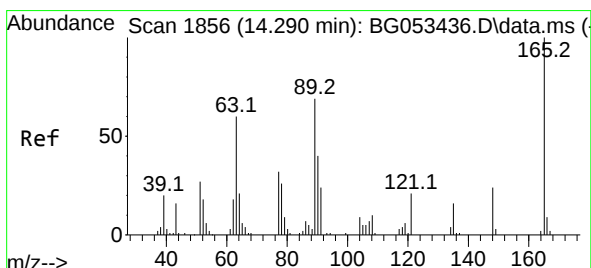
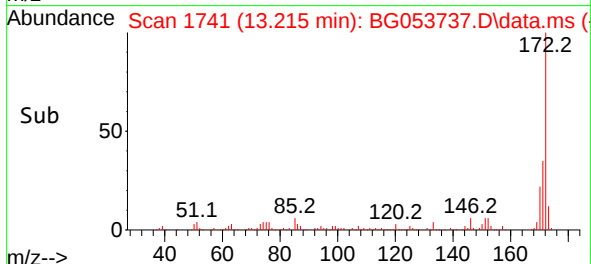
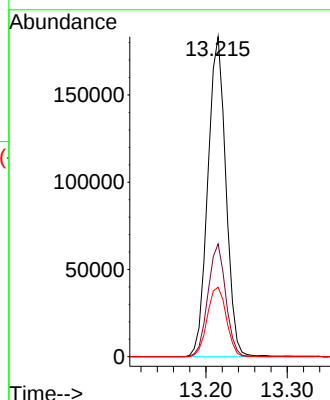
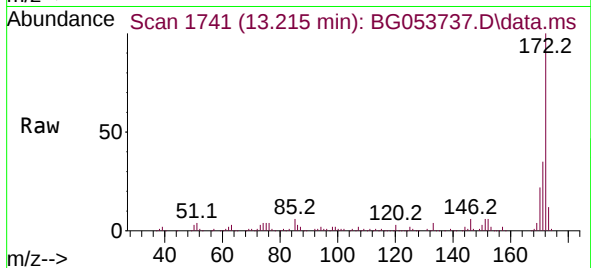
Tgt Ion:172 Resp: 282150

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 21.7 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.584 ng

RT: 14.590 min Scan# 1975

Delta R.T. 0.388 min

Lab File: BG053737.D

Acq: 27 May 2022 17:31

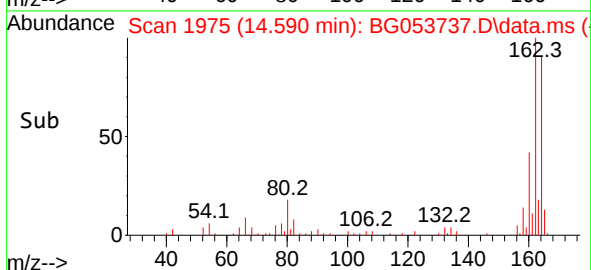
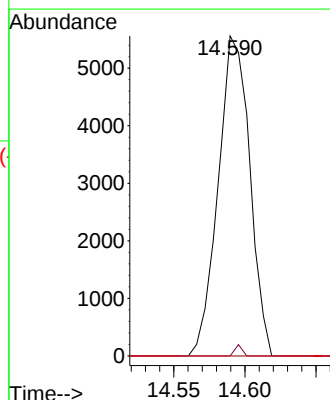
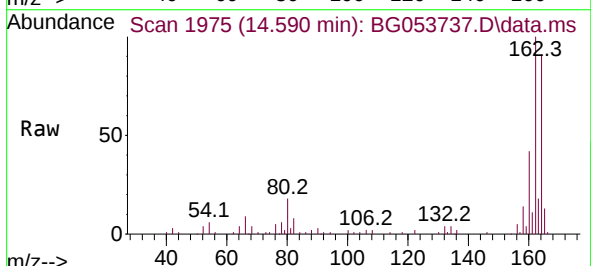
Tgt Ion:165 Resp: 8593

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.922 ng

RT: 14.590 min Scan# 14

Delta R.T. -0.405 min

Lab File: BG053737.D

Acq: 27 May 2022 17:31

Instrument :

BNA_G

ClientSampleId :

PSC-124030

Tgt Ion:165 Resp: 8593

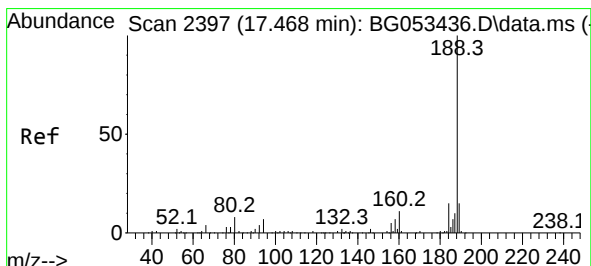
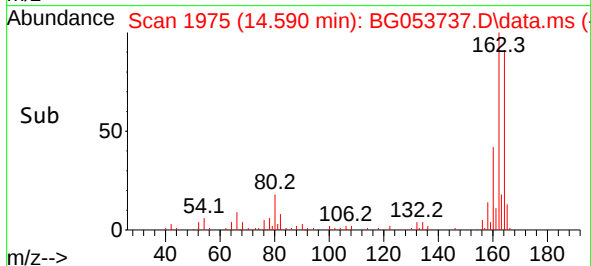
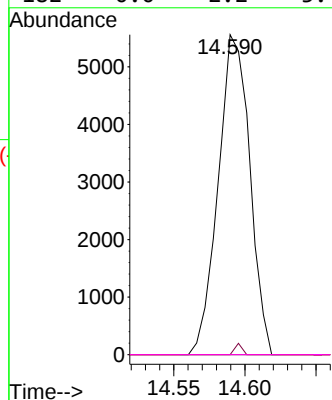
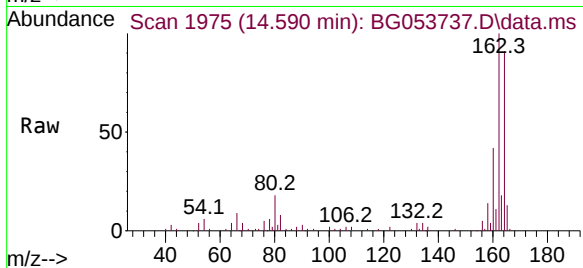
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.339 min Scan# 2443

Delta R.T. -0.035 min

Lab File: BG053737.D

Acq: 27 May 2022 17:31

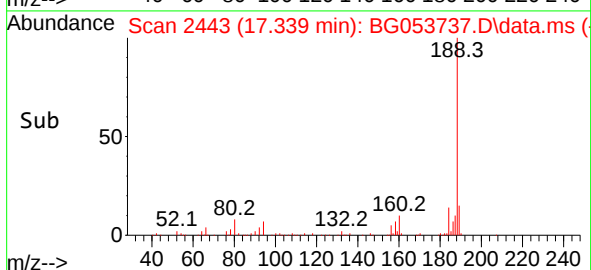
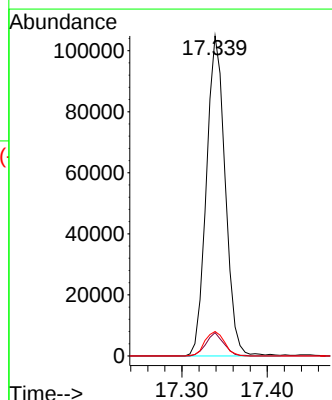
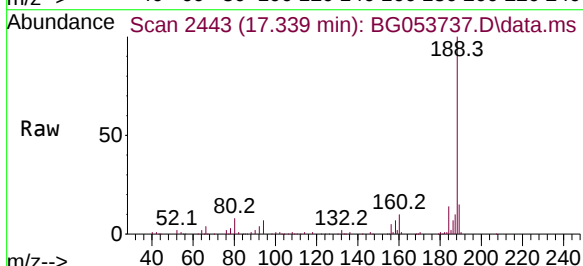
Tgt Ion:188 Resp: 160705

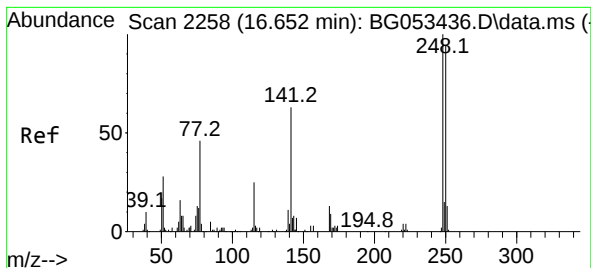
Ion Ratio Lower Upper

188 100

94 7.3 5.4 8.0

80 7.7 6.8 10.2

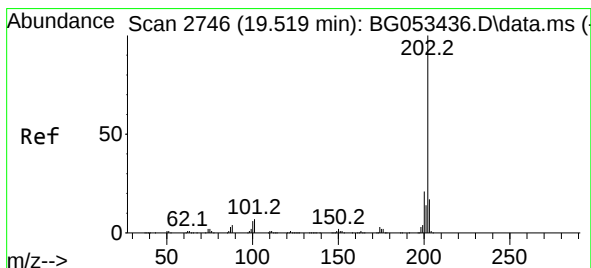
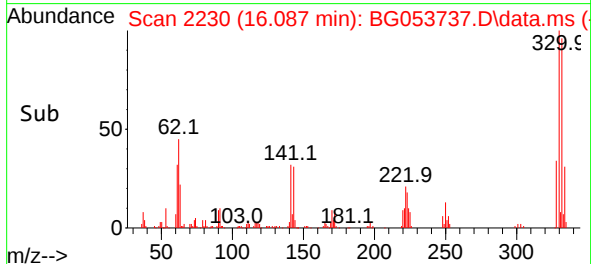
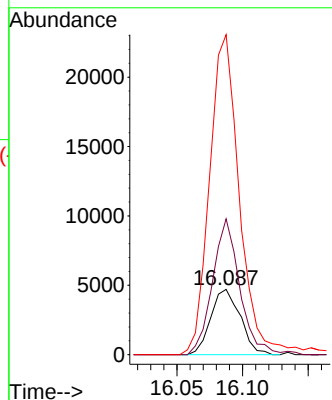
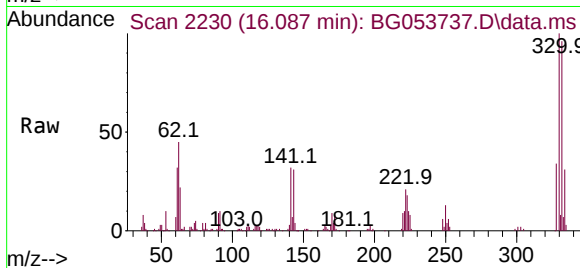




#67
4-Bromophenyl-phenylether
Concen: 3.913 ng
RT: 16.087 min Scan# 211
Delta R.T. -0.464 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

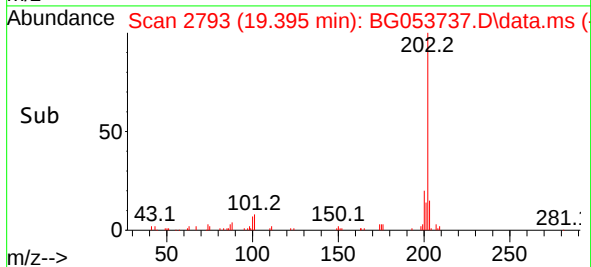
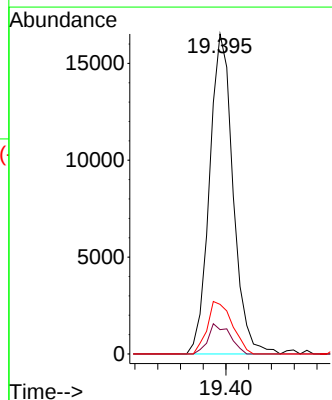
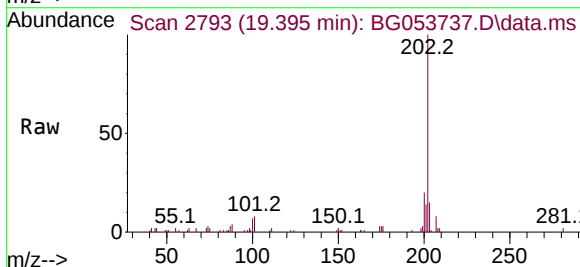
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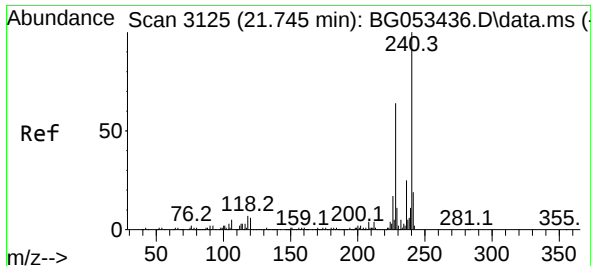
Tgt Ion:248 Resp: 7344
Ion Ratio Lower Upper
248 100
250 208.2 75.2 112.8#
141 490.3 50.0 75.0#



#75
Fluoranthene
Concen: 2.248 ng
RT: 19.395 min Scan# 2793
Delta R.T. -0.029 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion:202 Resp: 23790
Ion Ratio Lower Upper
202 100
101 7.6 0.0 26.9
203 15.5 0.0 37.2

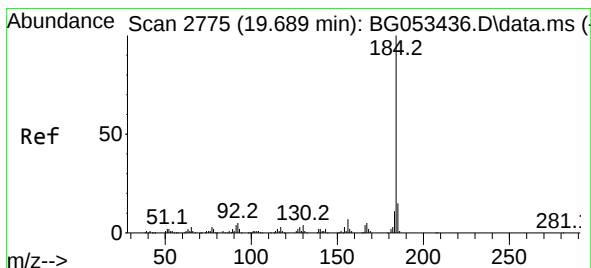
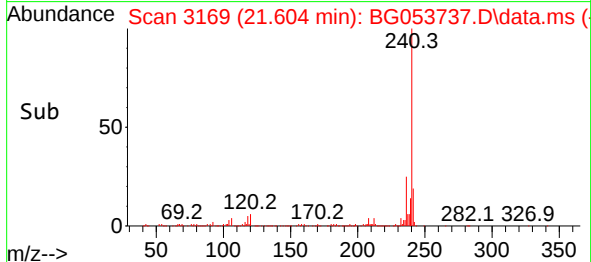
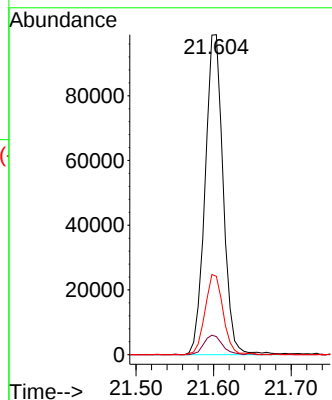
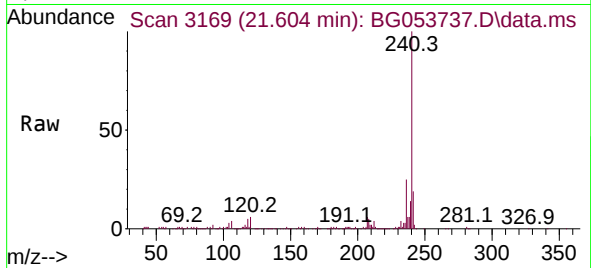




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

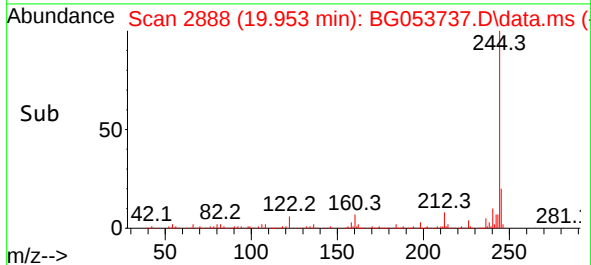
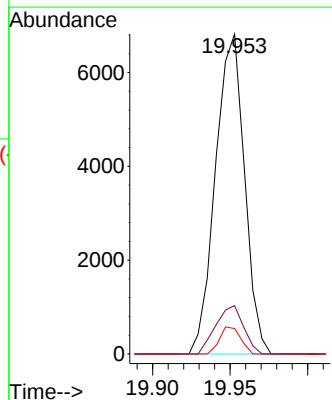
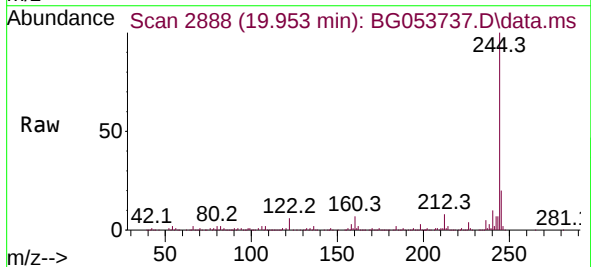
Instrument :
BNA_G
ClientSampleId :
PSC-124030

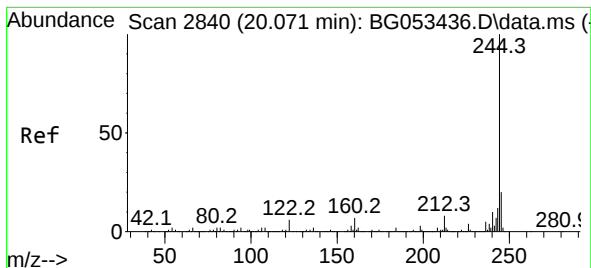
Tgt Ion:240 Resp: 159727
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 24.5 20.2 30.4



#77
Benzidine
Concen: 2.576 ng
RT: 19.953 min Scan# 2888
Delta R.T. 0.353 min
Lab File: BG053737.D
Acq: 27 May 2022 17:31

Tgt Ion:184 Resp: 8867
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.6
183 7.9 8.9 13.3#





#79

Terphenyl-d14

Concen: 61.461 ng

RT: 19.953 min Scan# 21

Delta R.T. -0.023 min

Lab File: BG053737.D

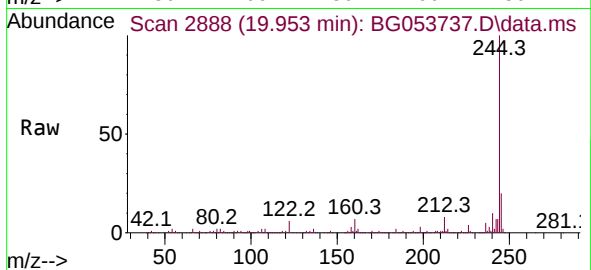
Acq: 27 May 2022 17:31

Instrument :

BNA_G

ClientSampleId :

PSC-124030



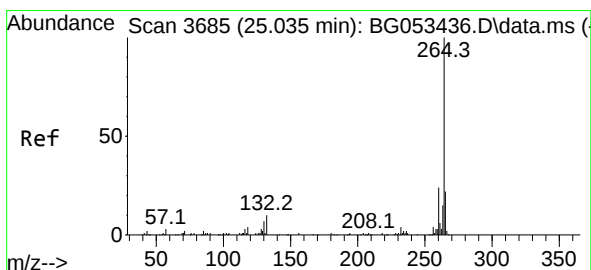
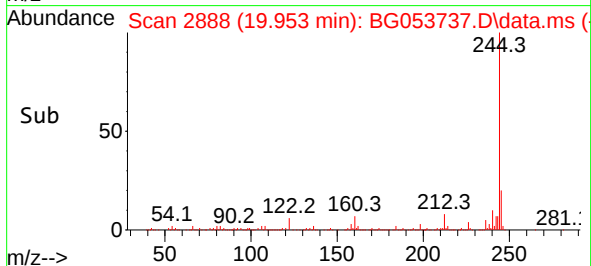
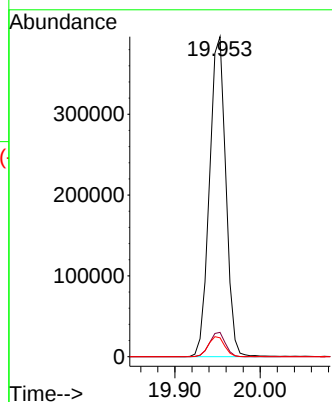
Tgt Ion:244 Resp: 527091

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 5.9 5.0 7.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.782 min Scan# 3710

Delta R.T. -0.058 min

Lab File: BG053737.D

Acq: 27 May 2022 17:31

Tgt Ion:264 Resp: 155915

Ion Ratio Lower Upper

264 100

260 22.1 19.0 28.6

265 21.2 17.4 26.2

