

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111921\
 Data File : BG051135.D
 Acq On : 19 Nov 2021 23:26
 Operator : CG/JU
 Sample : M4758-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Quant Time: Nov 20 03:39:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 16:26:22 2021
 Response via : Initial Calibration

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

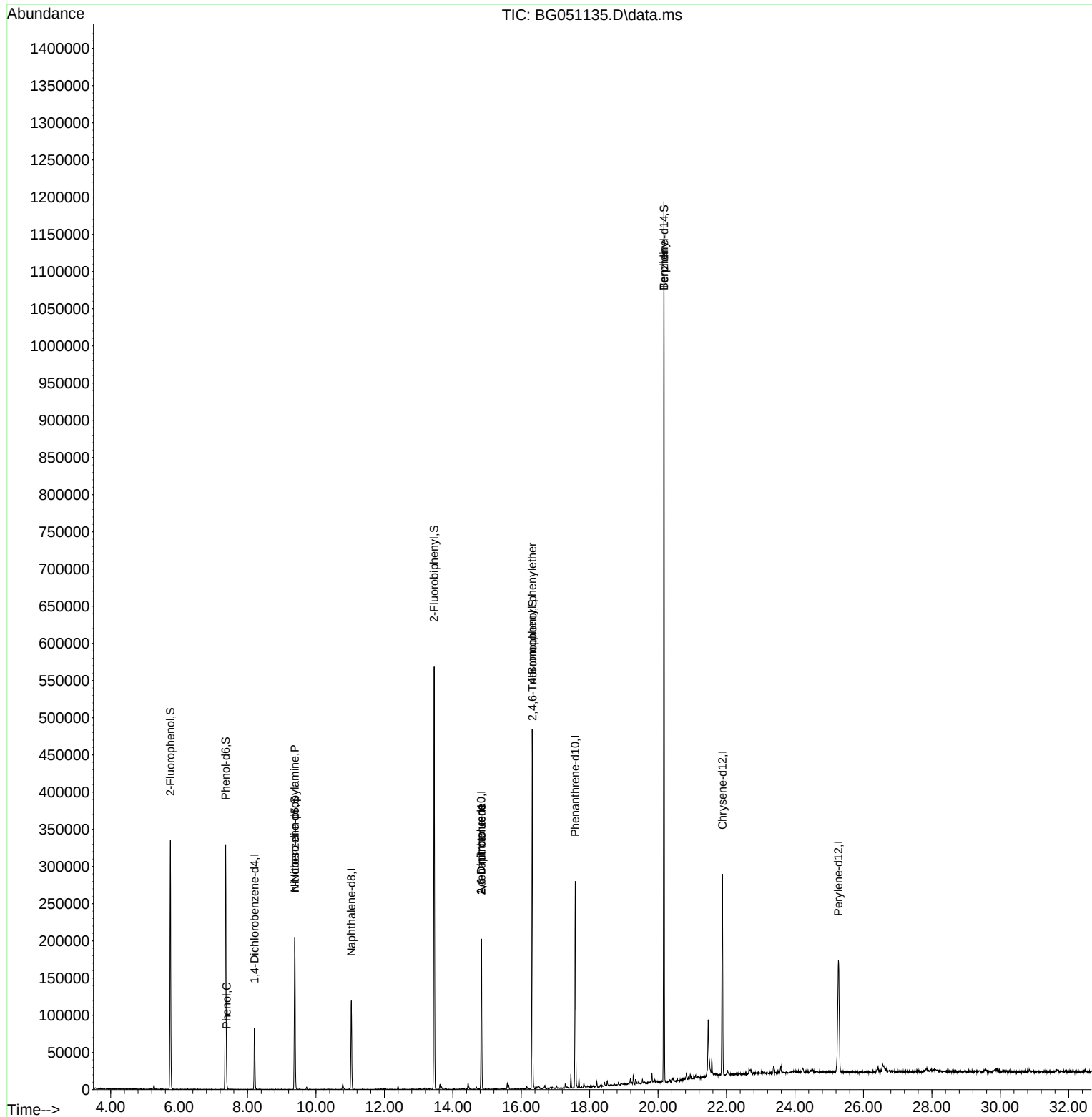
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.207	152	23643	20.000	ng	# 0.00
21) Naphthalene-d8	11.033	136	101060	20.000	ng	# 0.00
39) Acenaphthene-d10	14.834	164	72385	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	180820	20.000	ng	#-0.01
76) Chrysene-d12	21.879	240	170804	20.000	ng	# 0.00
86) Perylene-d12	25.269	264	170286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	145221	94.950	ng	0.00
7) Phenol-d6	7.361	99	195460	90.736	ng	0.00
23) Nitrobenzene-d5	9.382	82	137723	62.209	ng	0.00
42) 2,4,6-Tribromophenol	16.327	330	80664	104.846	ng	0.00
45) 2-Fluorobiphenyl	13.454	172	288905	60.226	ng	0.00
79) Terphenyl-d14	20.169	244	545208	58.353	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	7.390	94	4425	2.001	ng	95
19) n-Nitroso-di-n-propyla...	9.382	70	18830	11.842	ng	# 67
51) 2,6-Dinitrotoluene	14.834	165	9282	7.969	ng	# 10
57) 2,4-Dinitrotoluene	14.834	165	9282	5.563	ng	# 15
67) 4-Bromophenyl-phenylether	16.321	248	6049	3.093	ng	# 1
77) Benzidine	20.169	184	8956	3.193	ng	# 93

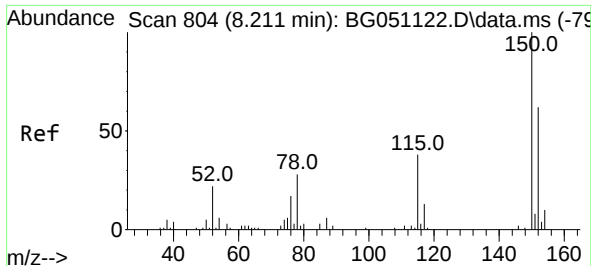
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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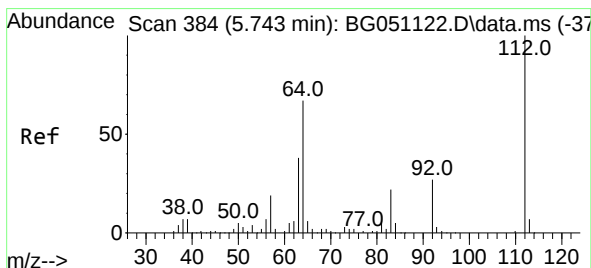
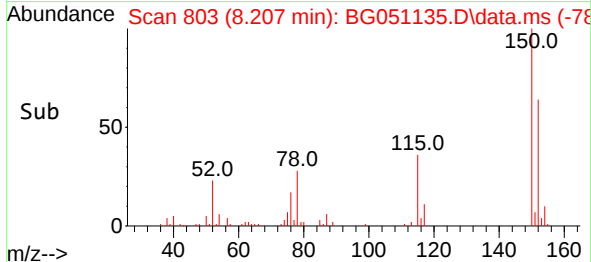
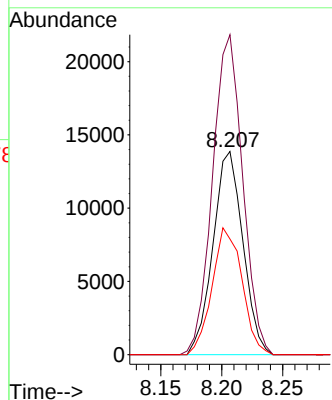
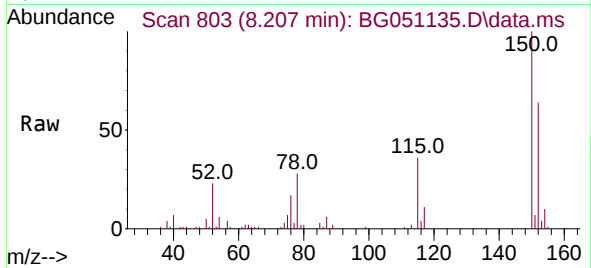




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.207 min Scan# 804
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

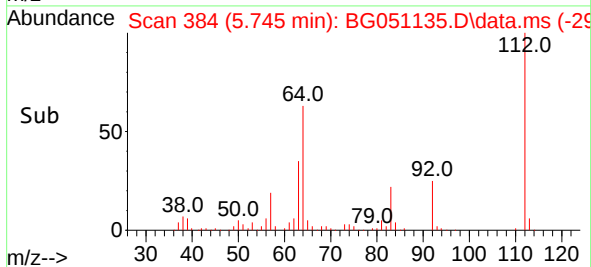
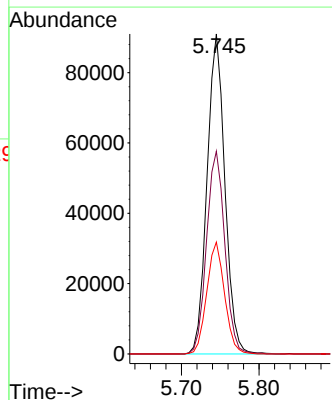
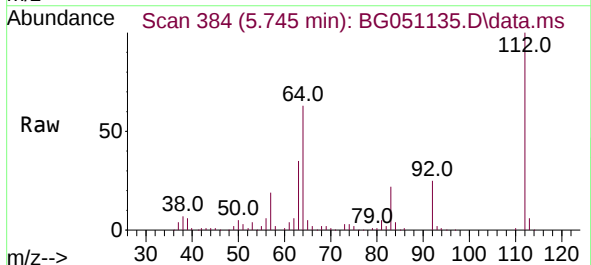
Instrument :
BNA_G
ClientSampleId :
TP2

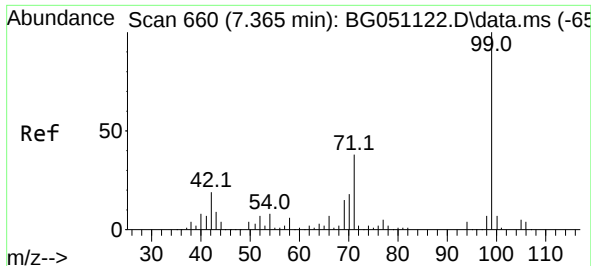
Tgt Ion:152 Resp: 23643
Ion Ratio Lower Upper
152 100
150 157.4 119.4 179.0
115 56.9 60.2 90.4#



#5
2-Fluorophenol
Concen: 94.950 ng
RT: 5.745 min Scan# 384
Delta R.T. 0.002 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion:112 Resp: 145221
Ion Ratio Lower Upper
112 100
64 63.4 46.7 70.1
63 34.9 35.3 52.9#

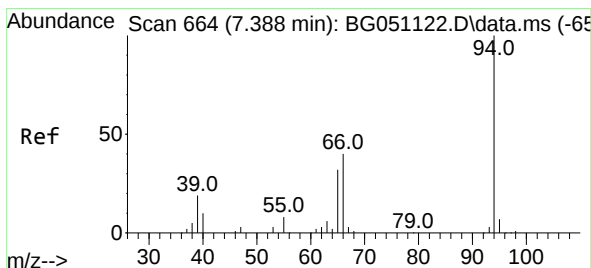
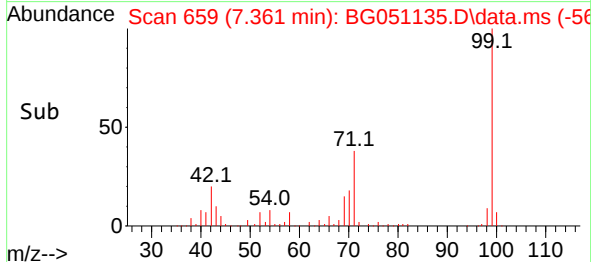
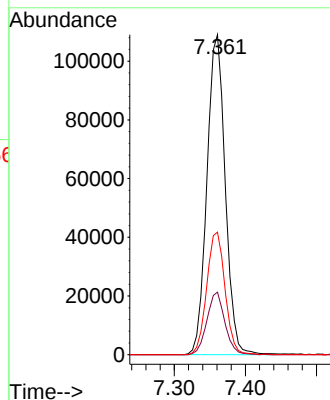
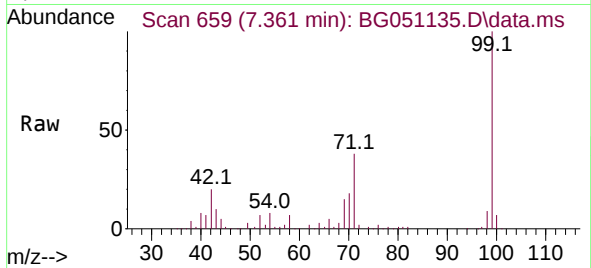




#7
Phenol-d6
Concen: 90.736 ng
RT: 7.361 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

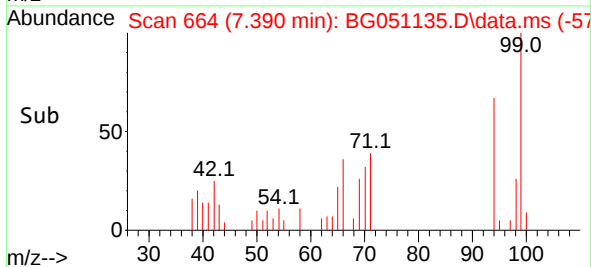
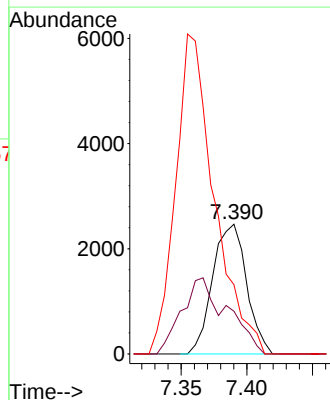
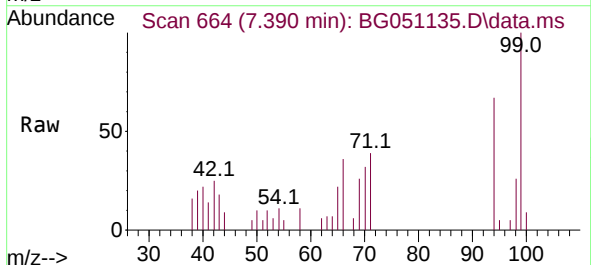
Instrument :
BNA_G
ClientSampleId :
TP2

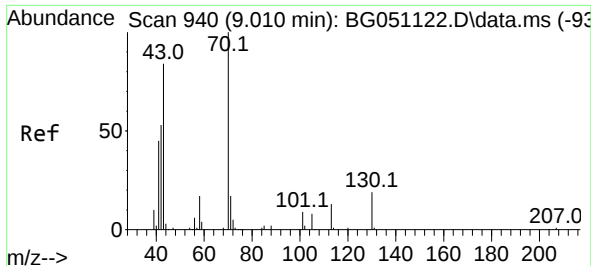
Tgt Ion: 99 Resp: 195460
Ion Ratio Lower Upper
99 100
42 19.5 20.5 30.7#
71 38.3 41.5 62.3#



#10
Phenol
Concen: 2.001 ng
RT: 7.390 min Scan# 664
Delta R.T. 0.002 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion: 94 Resp: 4425
Ion Ratio Lower Upper
94 100
65 32.9 12.9 52.9
66 53.4 39.4 79.4

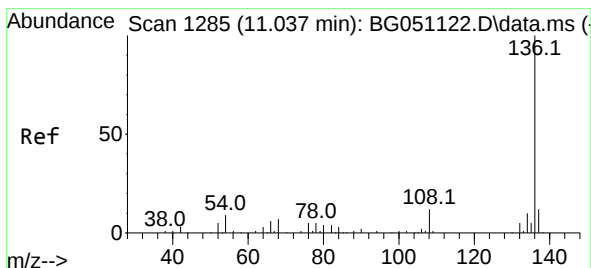
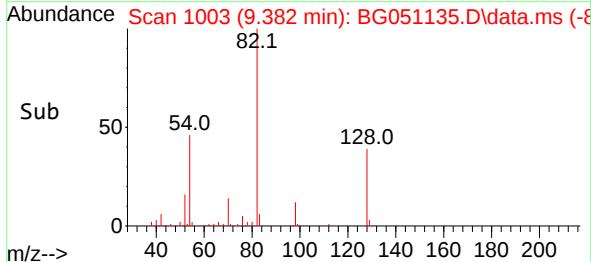
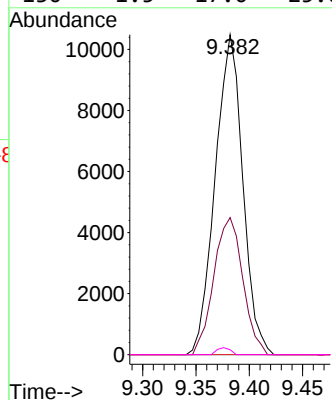
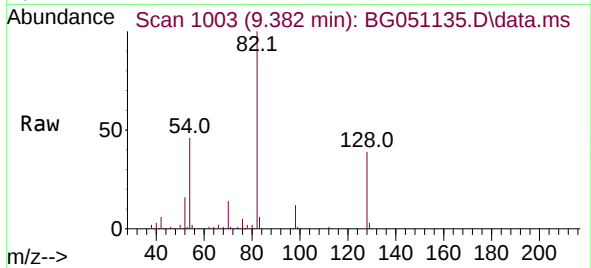




#19
n-Nitroso-di-n-propylamine
Concen: 11.842 ng
RT: 9.382 min Scan# 10
Delta R.T. 0.372 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

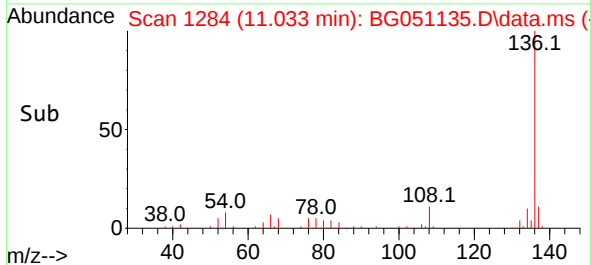
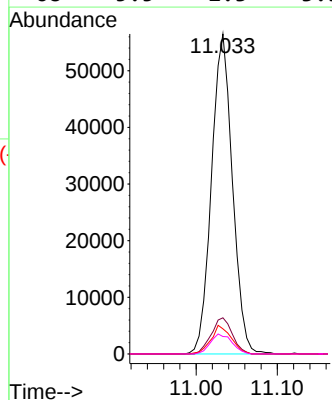
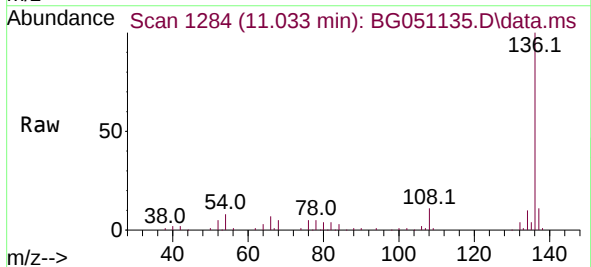
Instrument :
BNA_G
ClientSampleId :
TP2

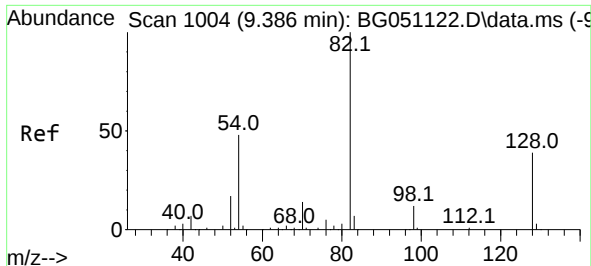
Tgt Ion:	70	Resp:	18830
Ion	Ratio	Lower	Upper
70	100		
42	42.9	54.5	81.7#
101	0.0	9.0	13.6#
130	1.5	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.033 min Scan# 1284
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion:	136	Resp:	101060
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.2	12.2
54	7.8	5.5	8.3
68	5.5	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 62.209 ng

RT: 9.382 min Scan# 1004

Delta R.T. -0.004 min

Lab File: BG051135.D

Acq: 19 Nov 2021 23:26

Instrument :

BNA_G

ClientSampleId :

TP2

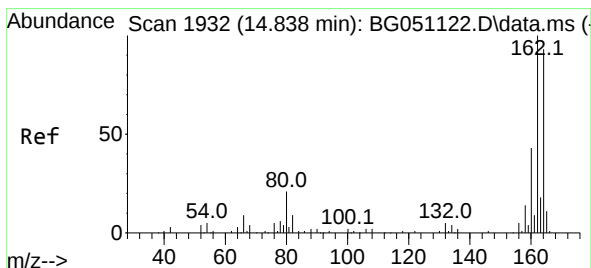
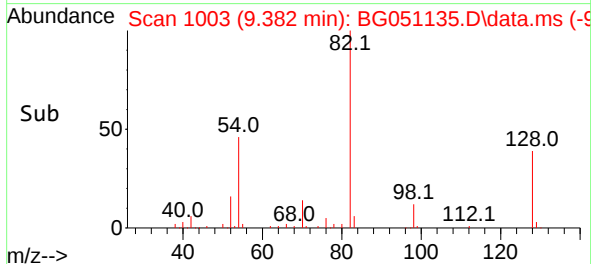
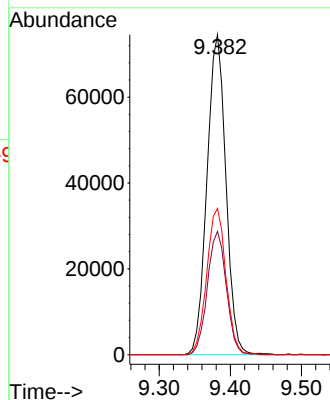
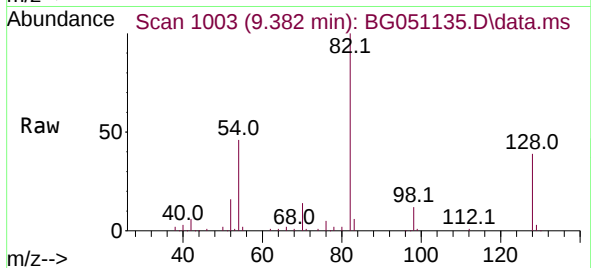
Tgt Ion: 82 Resp: 137723

Ion Ratio Lower Upper

82 100

128 38.5 29.8 44.6

54 45.7 45.8 68.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.834 min Scan# 1931

Delta R.T. -0.004 min

Lab File: BG051135.D

Acq: 19 Nov 2021 23:26

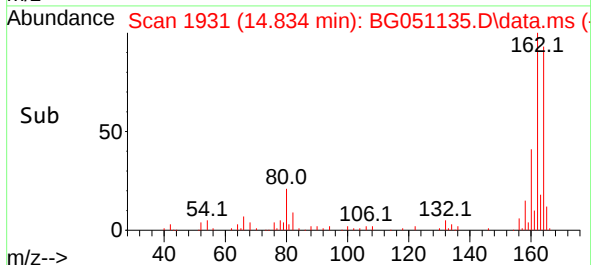
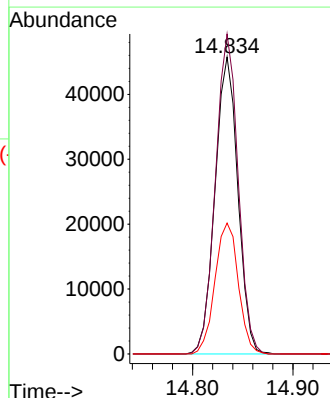
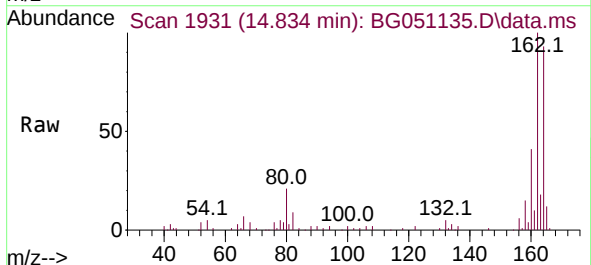
Tgt Ion:164 Resp: 72385

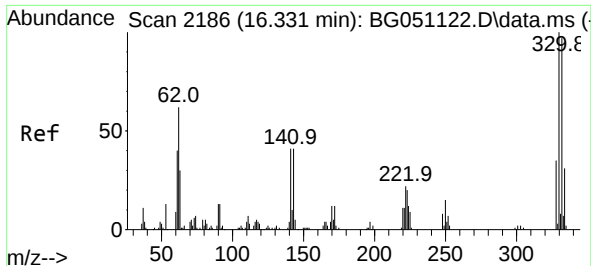
Ion Ratio Lower Upper

164 100

162 107.7 81.4 122.0

160 44.0 34.9 52.3

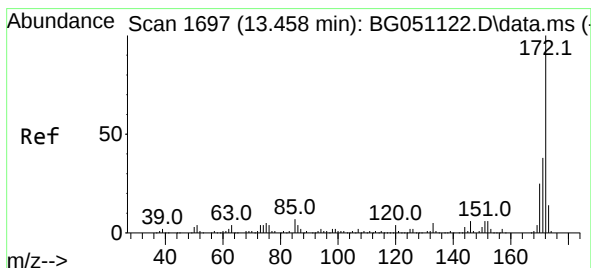
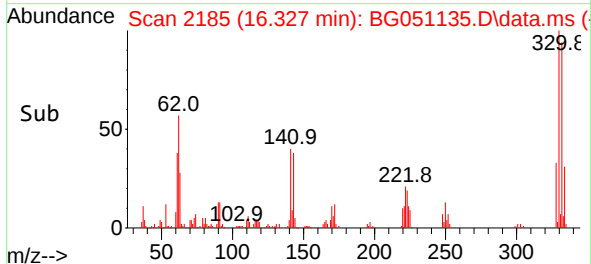
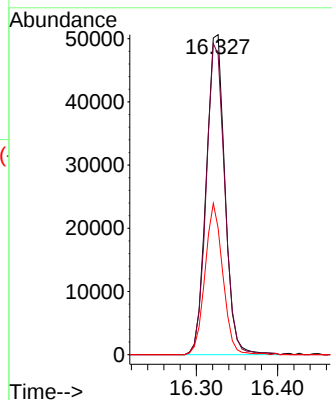
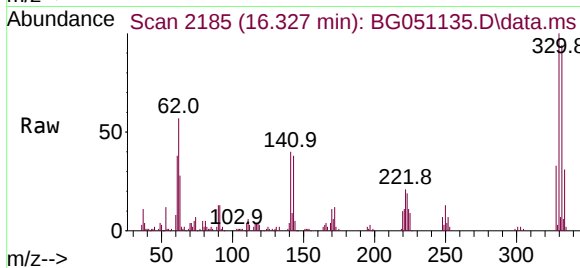




#42
2,4,6-Tribromophenol
Concen: 104.846 ng
RT: 16.327 min Scan# 2185
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

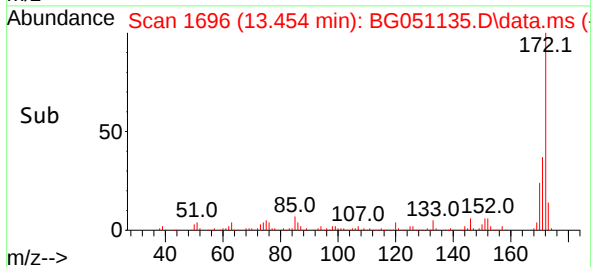
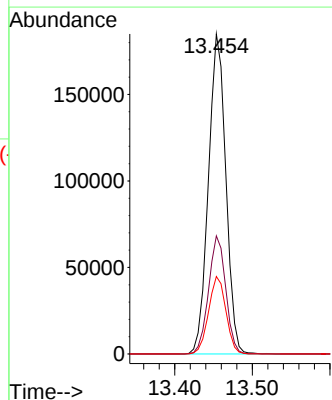
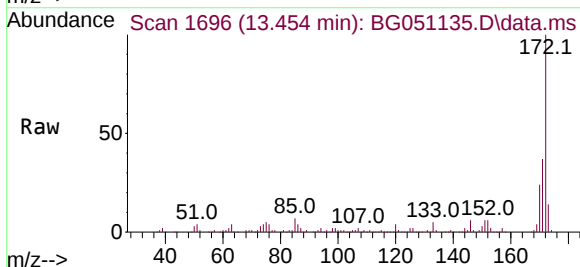
Instrument :
BNA_G
ClientSampleId :
TP2

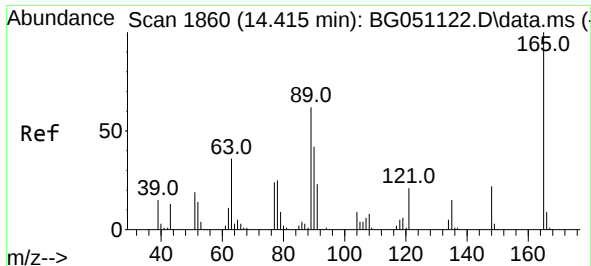
Tgt Ion:330 Resp: 80664
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 45.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 60.226 ng
RT: 13.454 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion:172 Resp: 288905
Ion Ratio Lower Upper
172 100
171 36.9 28.6 43.0
170 24.2 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 7.969 ng

RT: 14.834 min Scan# 1931

Delta R.T. 0.419 min

Lab File: BG051135.D

Acq: 19 Nov 2021 23:26

Instrument :

BNA_G

ClientSampleId :

TP2

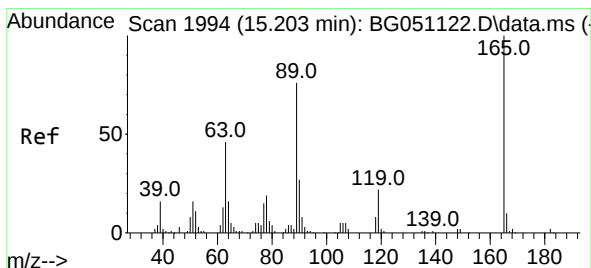
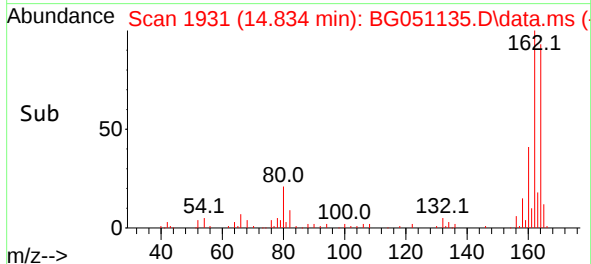
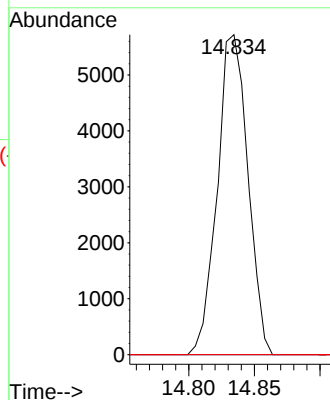
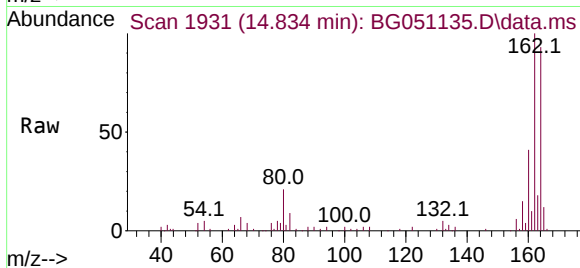
Tgt Ion:165 Resp: 9282

Ion Ratio Lower Upper

165 100

63 0.0 63.3 94.9#

89 0.0 63.4 95.0#



#57

2,4-Dinitrotoluene

Concen: 5.563 ng

RT: 14.834 min Scan# 1931

Delta R.T. -0.368 min

Lab File: BG051135.D

Acq: 19 Nov 2021 23:26

Tgt Ion:165 Resp: 9282

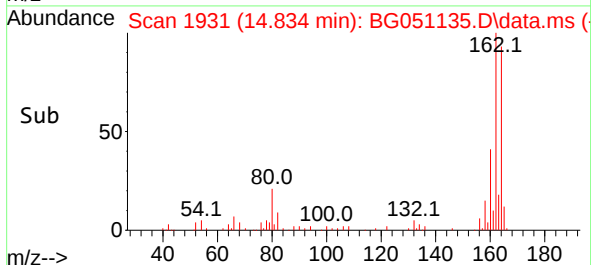
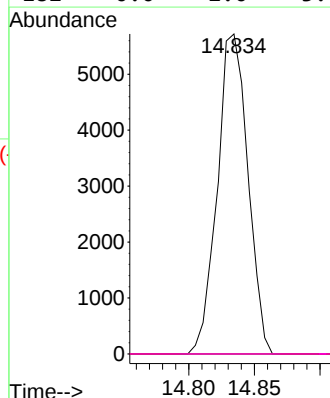
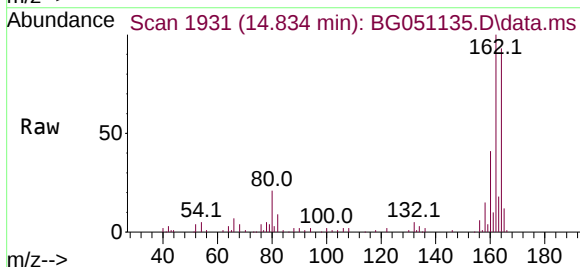
Ion Ratio Lower Upper

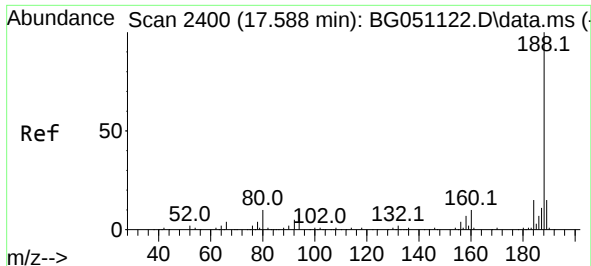
165 100

63 0.0 48.0 72.0#

89 0.0 65.4 98.0#

182 0.0 2.0 3.0#

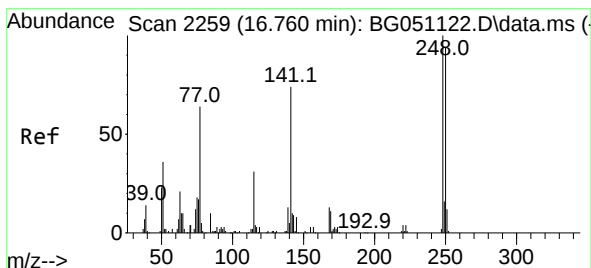
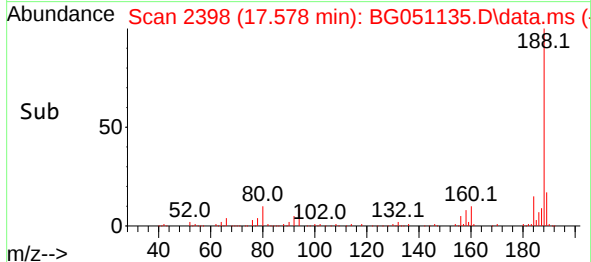
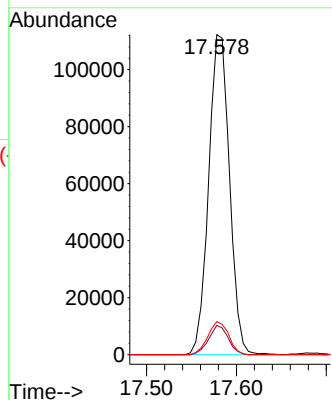
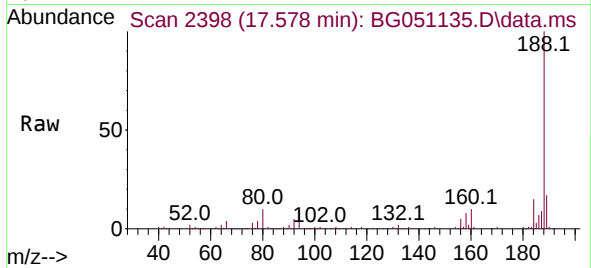




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2184
Delta R.T. -0.010 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

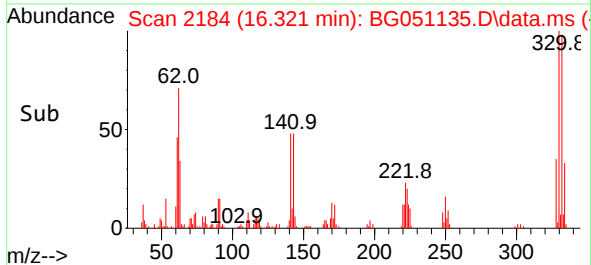
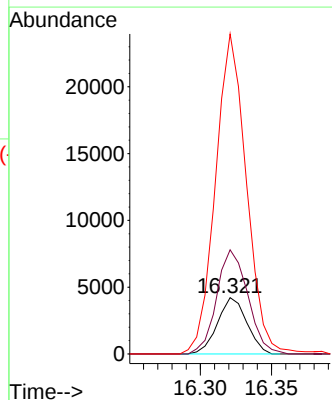
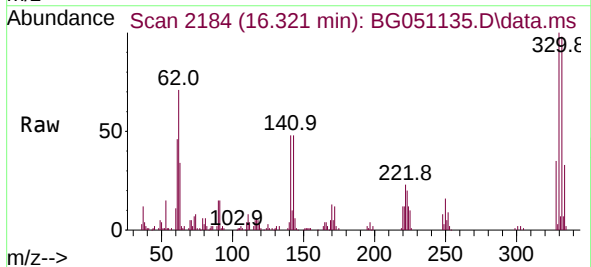
Instrument :
BNA_G
ClientSampleId :
TP2

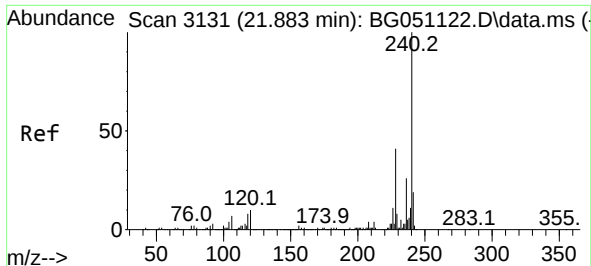
Tgt Ion:188 Resp: 180820
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0#
80 10.3 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.093 ng
RT: 16.321 min Scan# 2184
Delta R.T. -0.439 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion:248 Resp: 6049
Ion Ratio Lower Upper
248 100
250 185.1 76.1 114.1#
141 568.9 65.4 98.2#

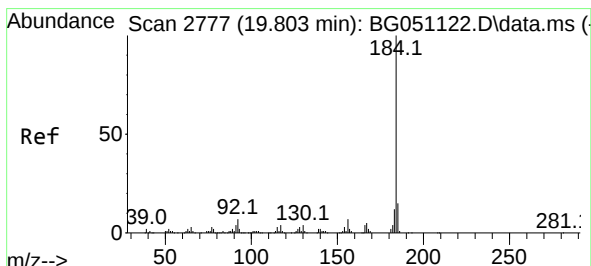
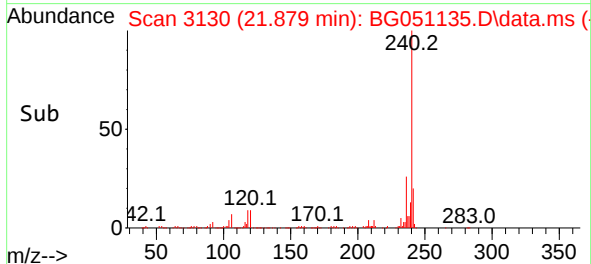
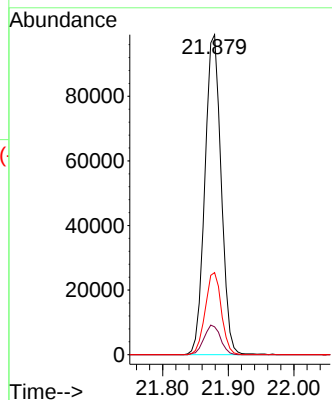
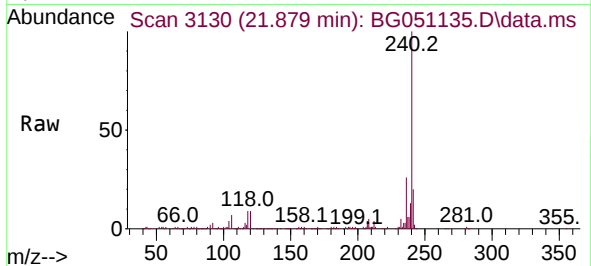




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.879 min Scan# 3131
Delta R.T. -0.004 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

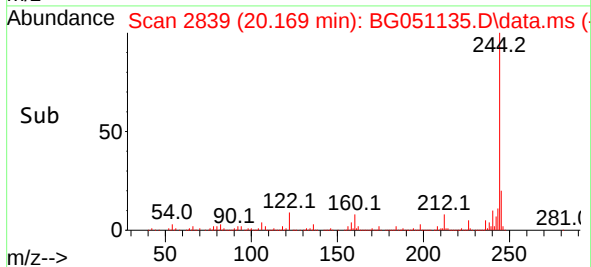
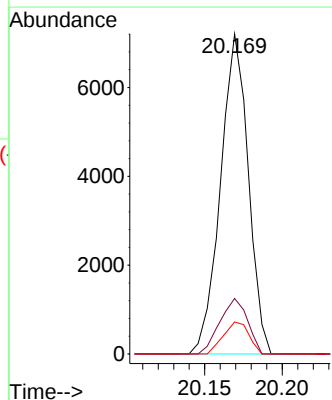
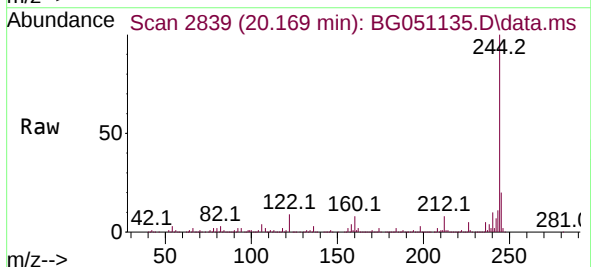
Instrument :
BNA_G
ClientSampleId :
TP2

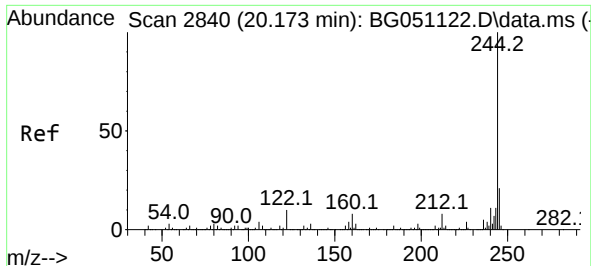
Tgt Ion:240 Resp: 170804
Ion Ratio Lower Upper
240 100
120 8.7 4.2 6.2#
236 25.6 21.8 32.6



#77
Benzidine
Concen: 3.193 ng
RT: 20.169 min Scan# 2839
Delta R.T. 0.366 min
Lab File: BG051135.D
Acq: 19 Nov 2021 23:26

Tgt Ion:184 Resp: 8956
Ion Ratio Lower Upper
184 100
185 17.3 10.7 16.1#
183 10.0 9.4 14.0

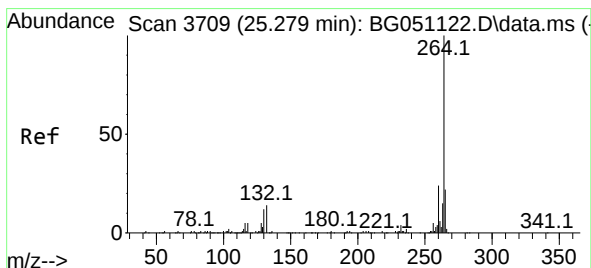
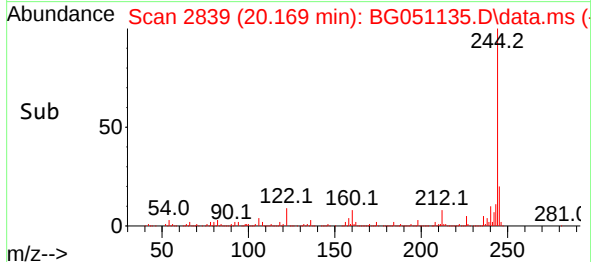
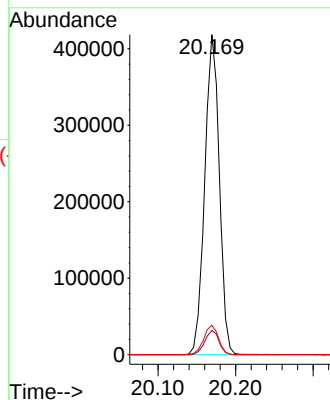
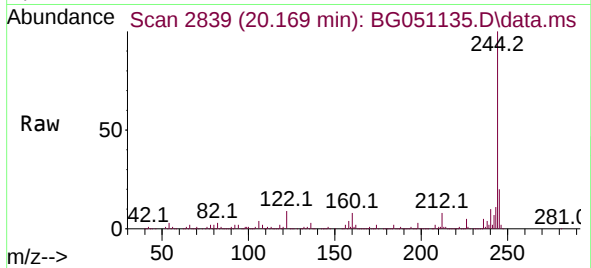




#79
 Terphenyl-d14
 Concen: 58.353 ng
 RT: 20.169 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG051135.D
 Acq: 19 Nov 2021 23:26

Instrument :
 BNA_G
 ClientSampleId :
 TP2

Tgt Ion:244 Resp: 545208
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.9 10.3
 122 9.2 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.269 min Scan# 3707
 Delta R.T. -0.010 min
 Lab File: BG051135.D
 Acq: 19 Nov 2021 23:26

Tgt Ion:264 Resp: 170286
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.2 16.9 25.3

