

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032222\
 Data File : BG052788.D
 Acq On : 22 Mar 2022 16:54
 Operator : CG/JU
 Sample : N1974-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-3RE

Quant Time: Mar 22 17:37:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 15:56:10 2022
 Response via : Initial Calibration

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

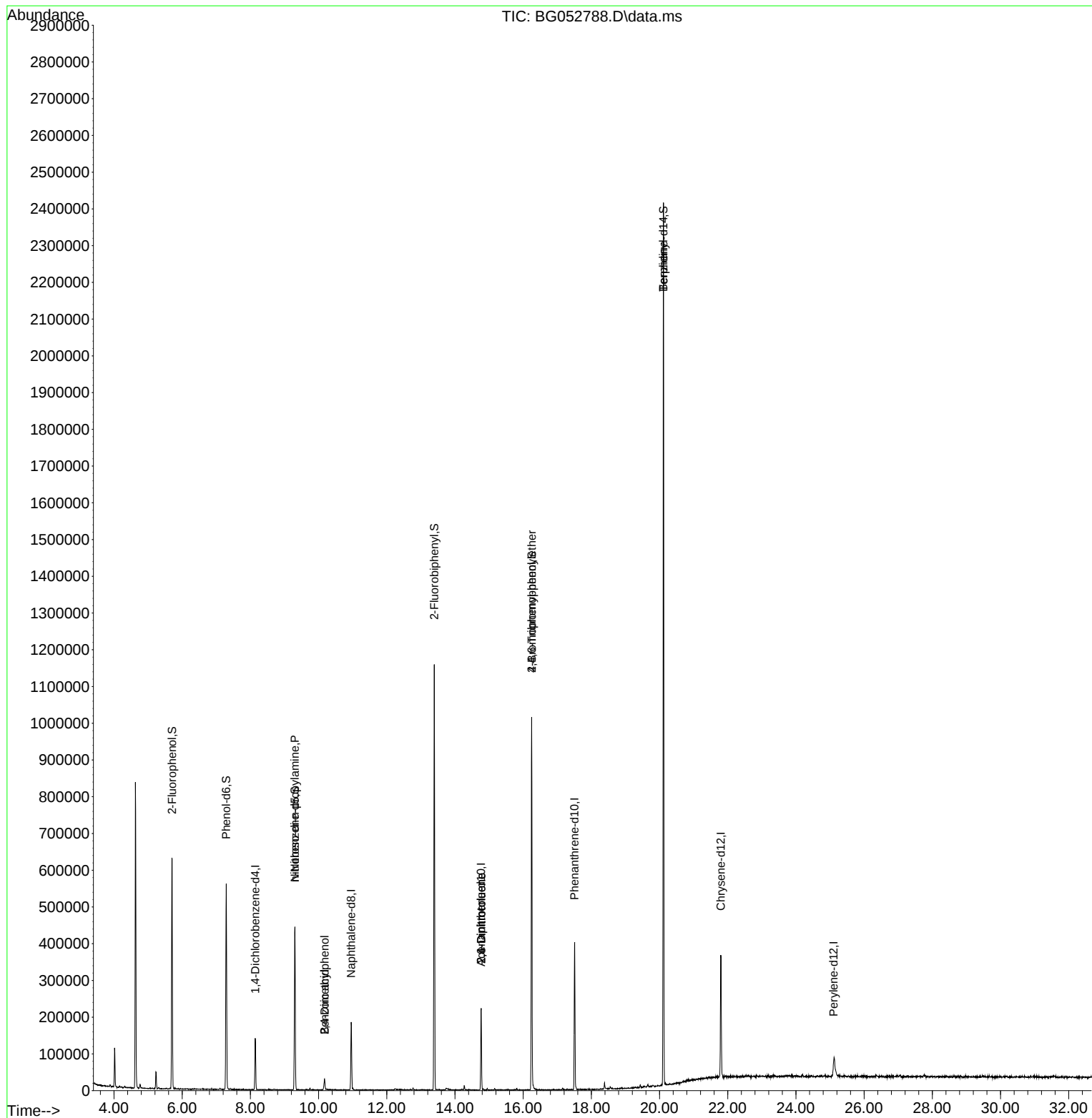
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.142	152	37369	20.000	ng	-0.02
21) Naphthalene-d8	10.956	136	152252	20.000	ng	-0.02
39) Acenaphthene-d10	14.762	164	70942	20.000	ng	-0.01
64) Phenanthrene-d10	17.506	188	250778	20.000	ng	-0.01
76) Chrysene-d12	21.794	240	193374	20.000	ng	-0.02
86) Perylene-d12	25.107	264	41561	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.704	112	258833	120.624	ng	0.00
7) Phenol-d6	7.290	99	289886	89.610	ng	0.00
23) Nitrobenzene-d5	9.305	82	285188	94.013	ng	-0.01
42) 2,4,6-Tribromophenol	16.249	330	204043	214.045	ng	-0.01
45) 2-Fluorobiphenyl	13.394	172	621082	129.120	ng	-0.01
79) Terphenyl-d14	20.114	244	1186063	109.106	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.284	77	762	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.305	70	38274	16.705	ng	# 79
27) 2,4-Dimethylphenol	10.174	122	11943	5.538	ng	# 2
32) Benzoic acid	10.174	122	11943	12.250	ng	93
51) 2,6-Dinitrotoluene	14.768	165	9116	10.241	ng	# 28
57) 2,4-Dinitrotoluene	14.768	165	9116	7.381	ng	# 26
67) 4-Bromophenyl-phenylether	16.249	248	12887	4.262	ng	# 1
77) Benzidine	20.114	184	20754	4.161	ng	94

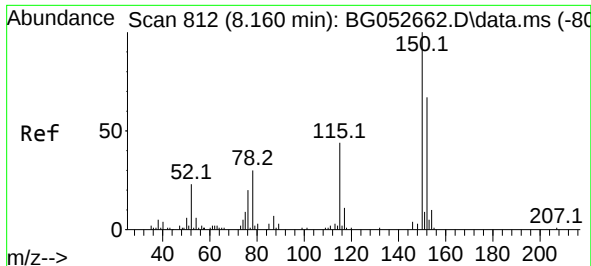
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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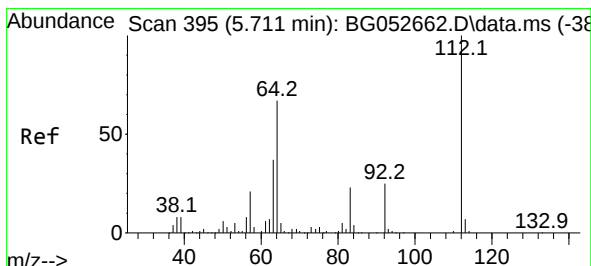
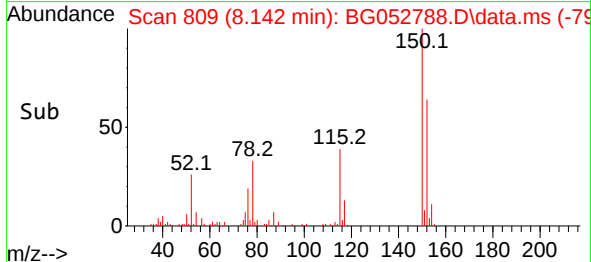
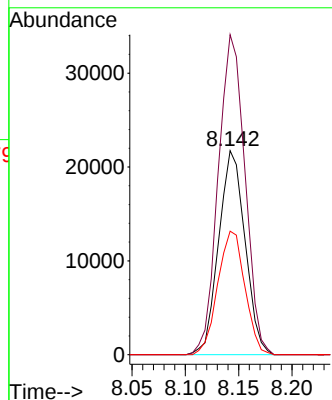
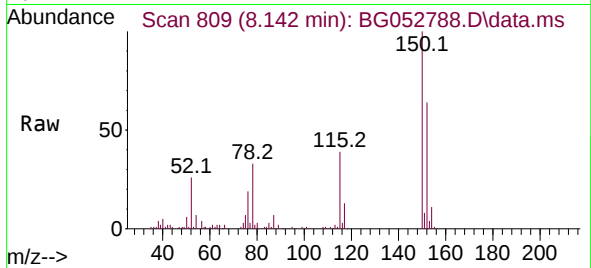




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.142 min Scan# 809
Delta R.T. -0.018 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

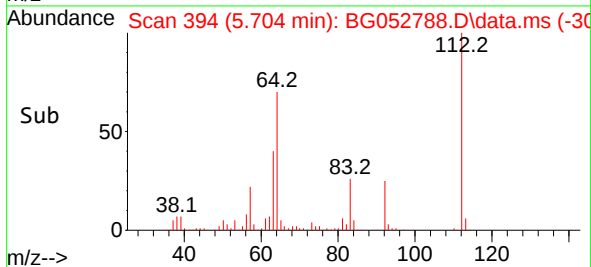
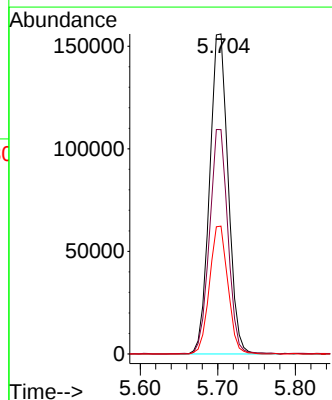
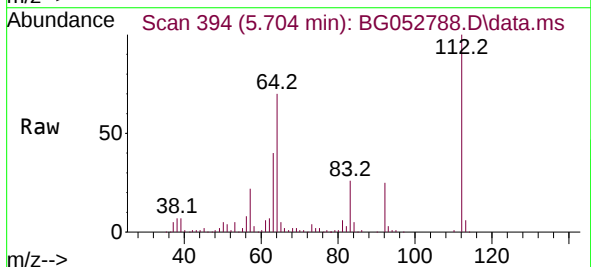
Instrument :
BNA_G
ClientSampleId :
B-3RE

Tgt Ion:152 Resp: 37369
Ion Ratio Lower Upper
152 100
150 156.9 114.6 172.0
115 60.6 45.9 68.9



#5
2-Fluorophenol
Concen: 120.624 ng
RT: 5.704 min Scan# 394
Delta R.T. -0.007 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion:112 Resp: 258833
Ion Ratio Lower Upper
112 100
64 70.1 48.0 72.0
63 39.9 26.5 39.7#

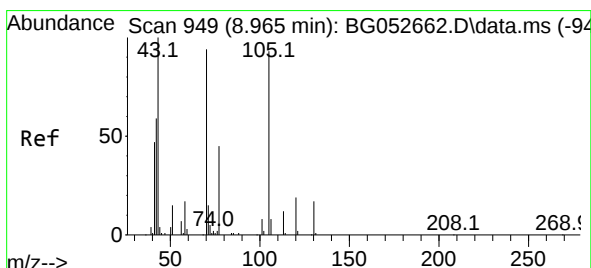
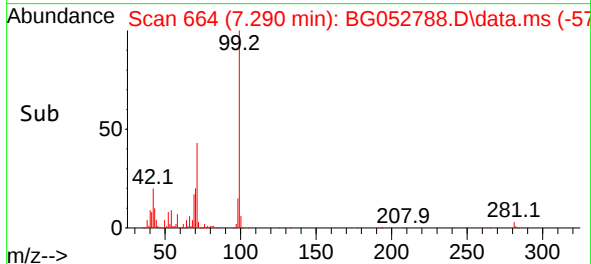
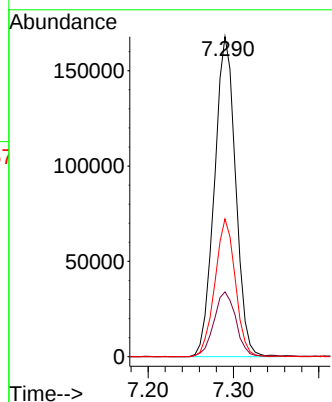
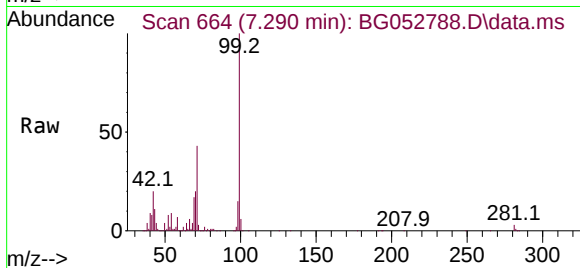




#7
Phenol-d6
Concen: 89.610 ng
RT: 7.290 min Scan# 60
Delta R.T. -0.007 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

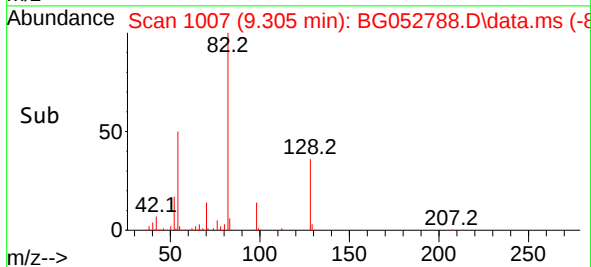
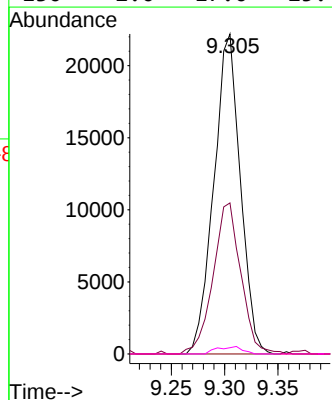
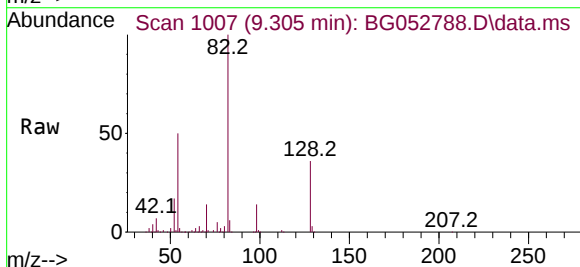
Instrument :
BNA_G
ClientSampleId :
B-3RE

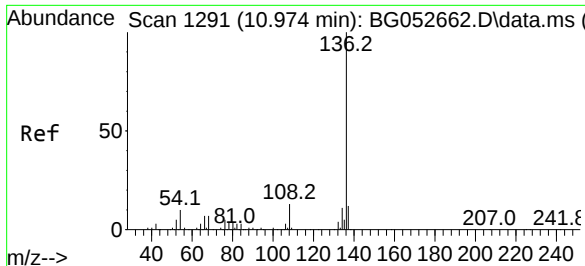
Tgt Ion: 99 Resp: 289886
Ion Ratio Lower Upper
99 100
42 20.3 14.7 22.1
71 43.1 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.705 ng
RT: 9.305 min Scan# 1007
Delta R.T. 0.340 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion: 70 Resp: 38274
Ion Ratio Lower Upper
70 100
42 47.2 46.0 69.0
101 0.0 6.2 9.4#
130 2.0 17.0 25.4#



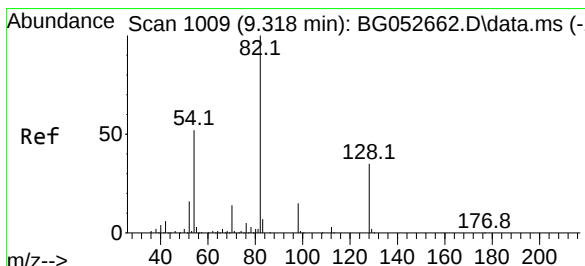
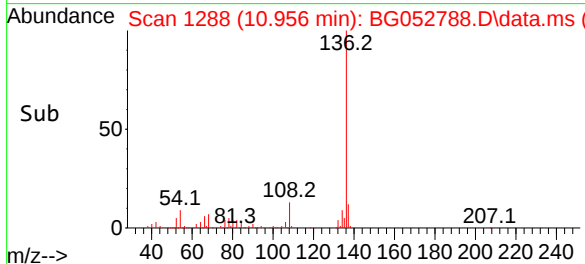
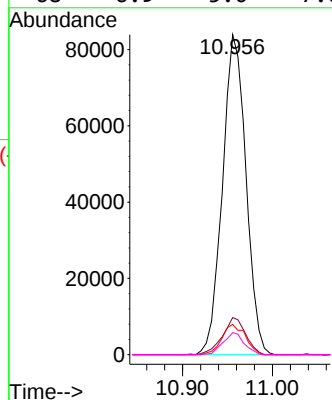
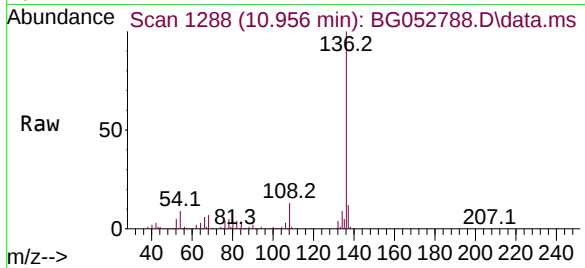


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.956 min Scan# 11
Delta R.T. -0.018 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Instrument :
BNA_G
ClientSampleId :
B-3RE

Tgt Ion:136 Resp: 152252

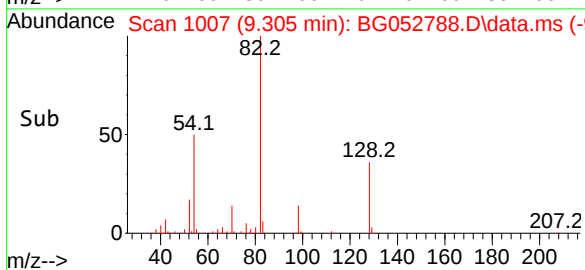
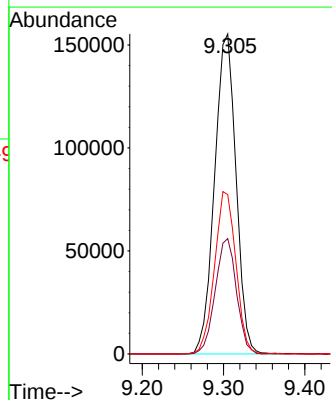
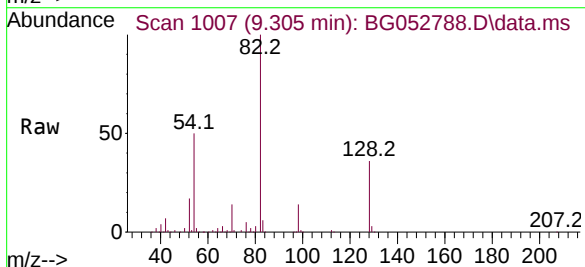
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.2
54	9.5	6.4	9.6
68	6.9	5.0	7.6

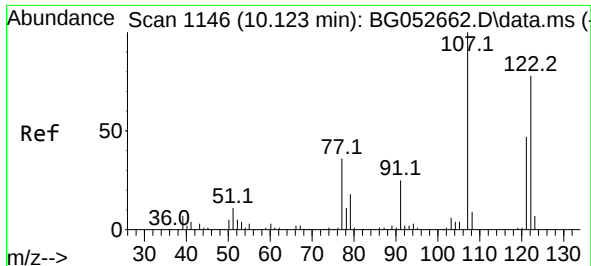


#23
Nitrobenzene-d5
Concen: 94.013 ng
RT: 9.305 min Scan# 1007
Delta R.T. -0.013 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion: 82 Resp: 285188

Ion	Ratio	Lower	Upper
82	100		
128	36.0	31.3	46.9
54	49.8	37.8	56.8





#27

2,4-Dimethylphenol

Concen: 5.538 ng

RT: 10.174 min Scan# 1155

Delta R.T. 0.052 min

Lab File: BG052788.D

Acq: 22 Mar 2022 16:54

Instrument :

BNA_G

ClientSampleId :

B-3RE

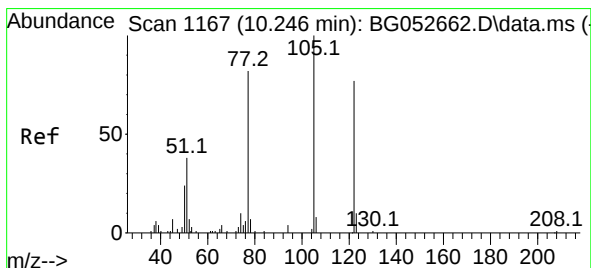
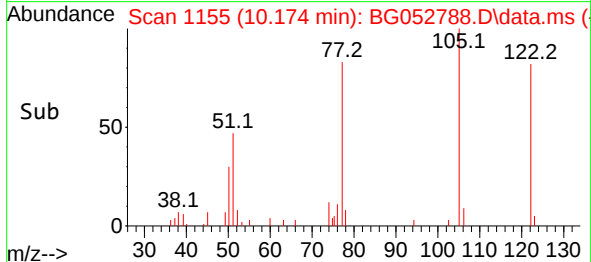
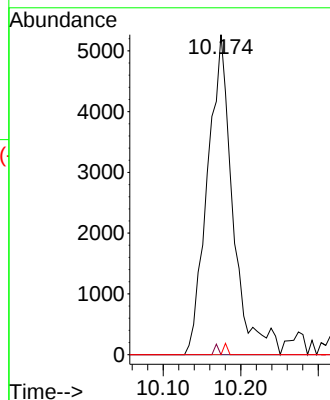
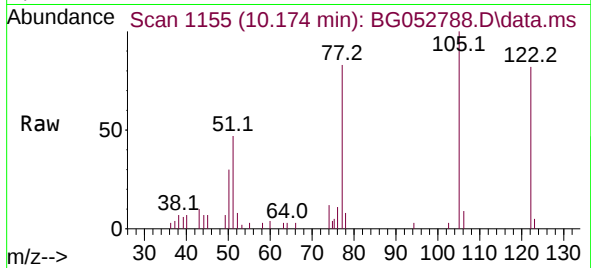
Tgt Ion:122 Resp: 11943

Ion Ratio Lower Upper

122 100

107 0.0 96.7 145.1#

121 0.0 46.3 69.5#



#32

Benzoic acid

Concen: 12.250 ng

RT: 10.174 min Scan# 1155

Delta R.T. -0.072 min

Lab File: BG052788.D

Acq: 22 Mar 2022 16:54

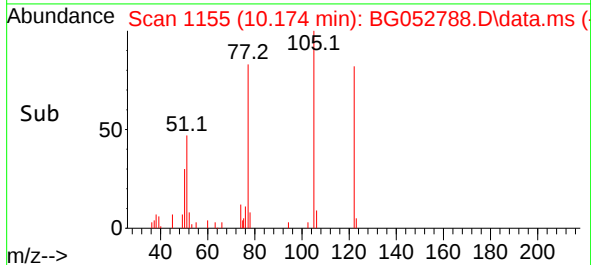
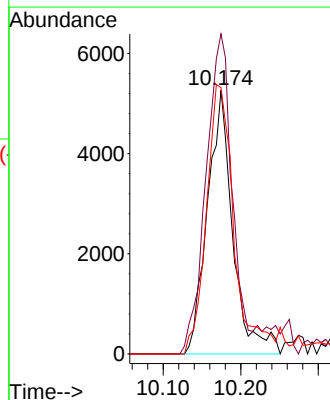
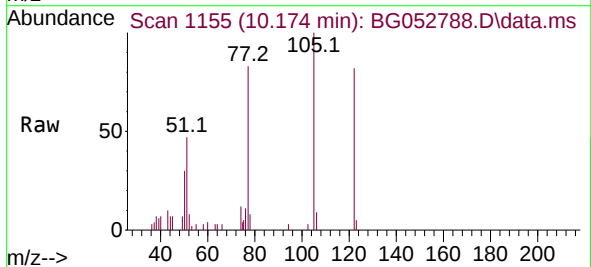
Tgt Ion:122 Resp: 11943

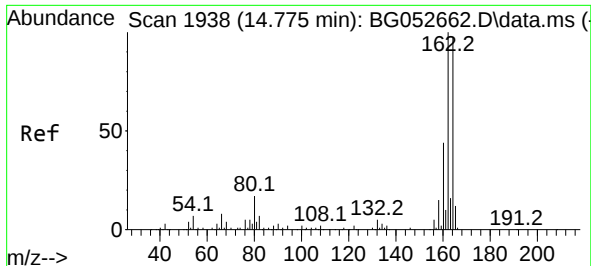
Ion Ratio Lower Upper

122 100

105 121.4 112.8 152.8

77 101.0 78.4 118.4

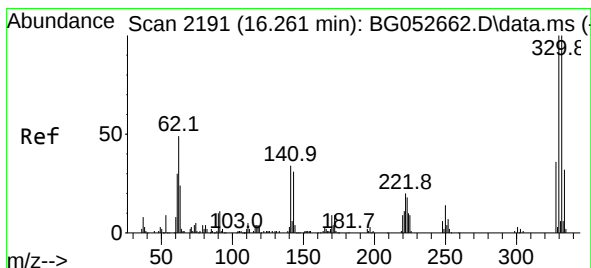
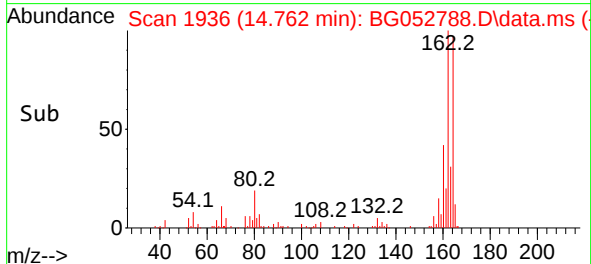
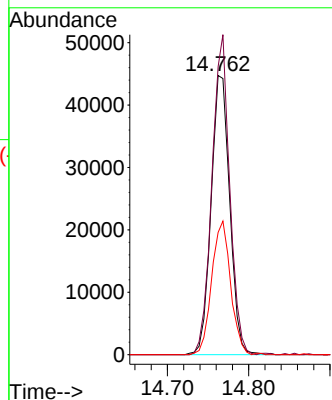
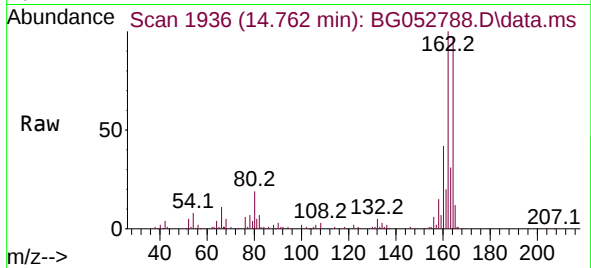




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1936
Delta R.T. -0.013 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

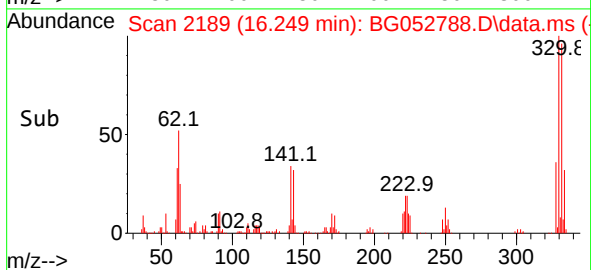
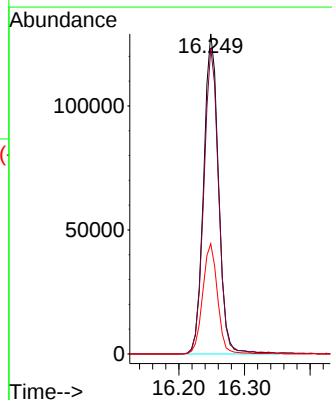
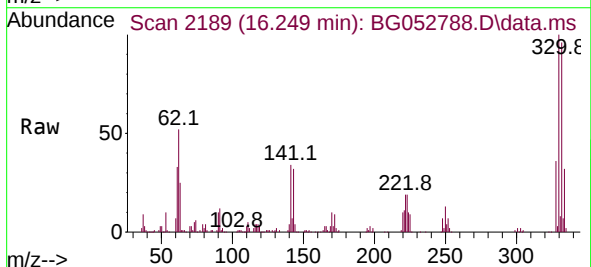
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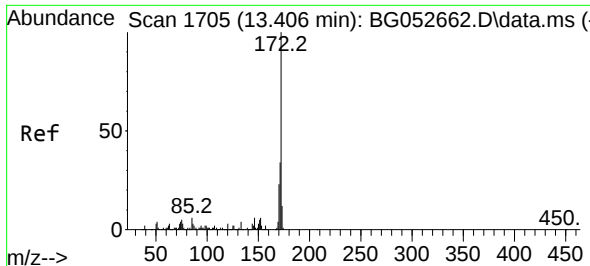
Tgt Ion:164 Resp: 70942
Ion Ratio Lower Upper
164 100
162 103.1 80.0 120.0
160 43.8 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 214.045 ng
RT: 16.249 min Scan# 2189
Delta R.T. -0.013 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion:330 Resp: 204043
Ion Ratio Lower Upper
330 100
332 95.2 75.8 113.6
141 34.3 24.6 36.8

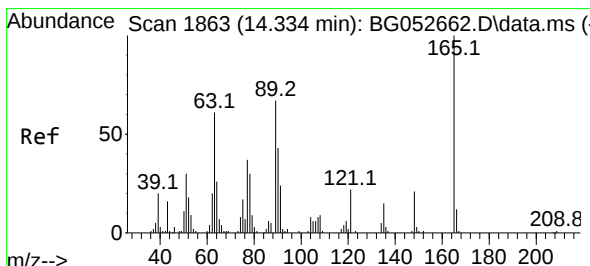
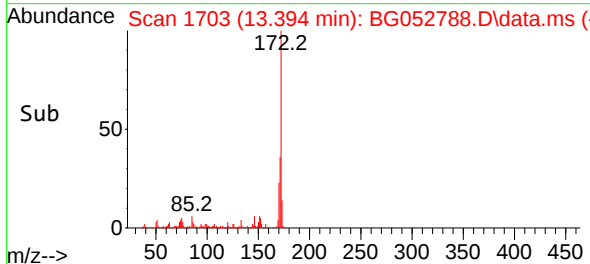
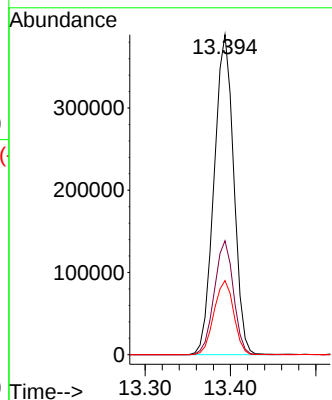
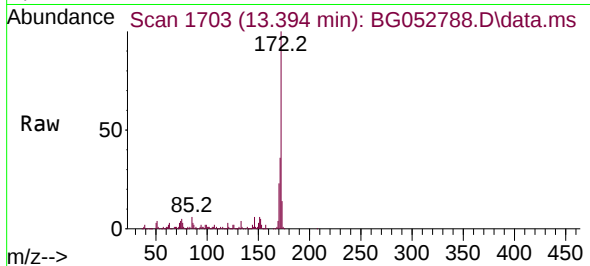




#45
2-Fluorobiphenyl
Concen: 129.120 ng
RT: 13.394 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

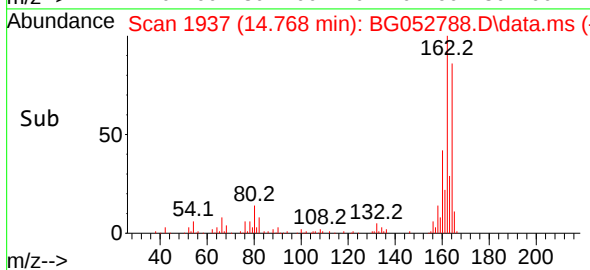
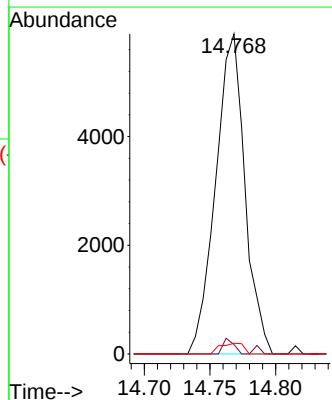
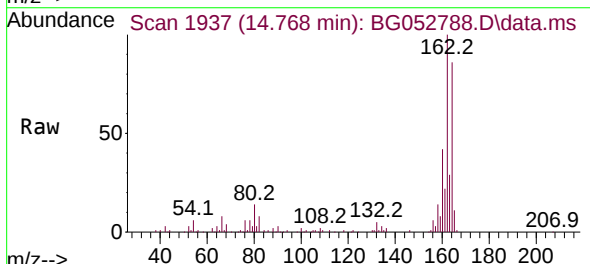
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ClientSampleId :
B-3RE

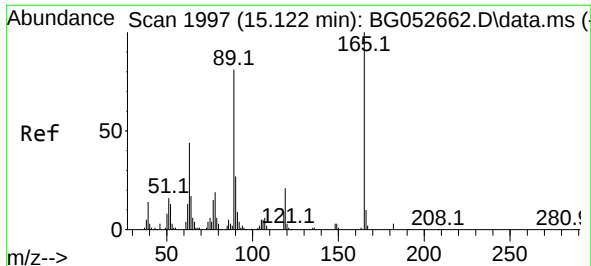
Tgt Ion:172 Resp: 621082
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.2 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.241 ng
RT: 14.768 min Scan# 1937
Delta R.T. 0.434 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion:165 Resp: 9116
Ion Ratio Lower Upper
165 100
63 2.9 43.7 65.5#
89 3.3 45.0 67.4#

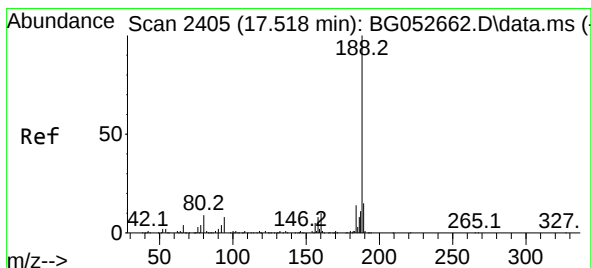
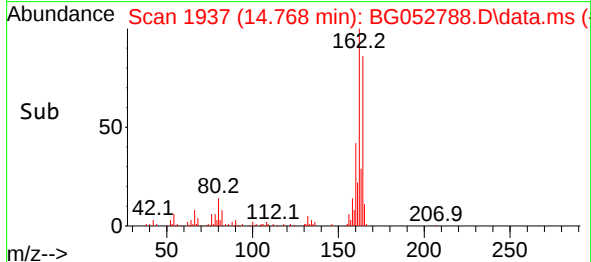
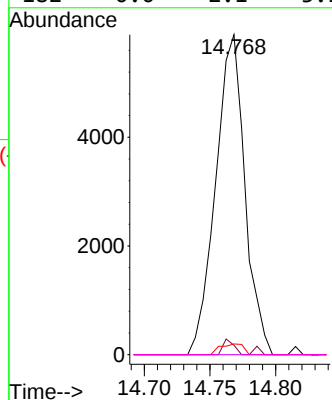
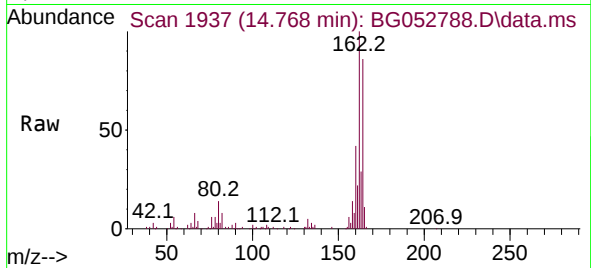




#57
2,4-Dinitrotoluene
Concen: 7.381 ng
RT: 14.768 min Scan# 1997
Delta R.T. -0.353 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

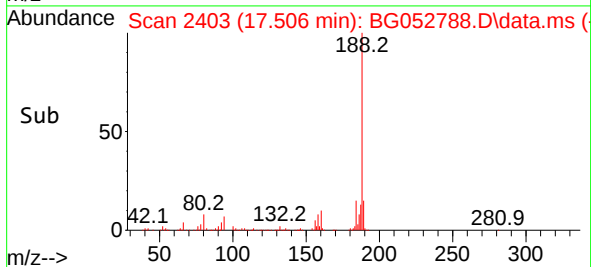
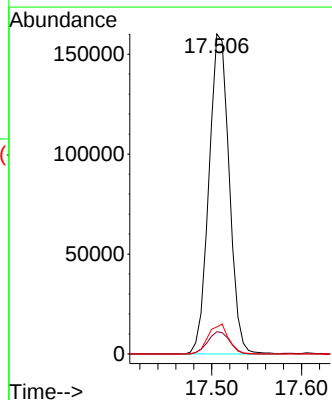
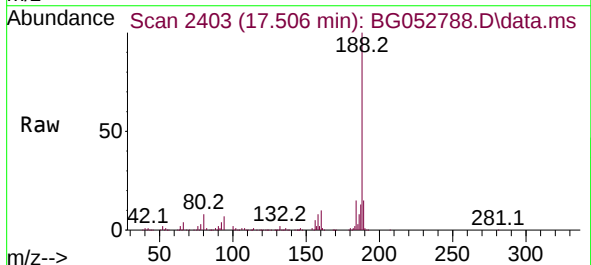
Instrument :
BNA_G
ClientSampleId :
B-3RE

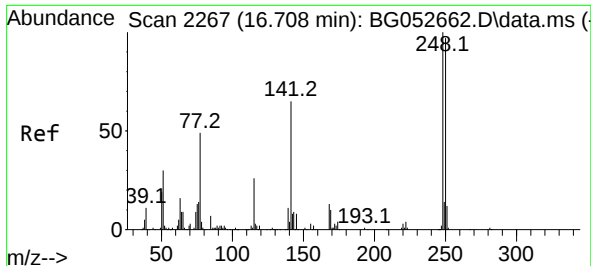
Tgt Ion:165 Resp: 9116
Ion Ratio Lower Upper
165 100
63 2.9 34.8 52.2#
89 3.3 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.506 min Scan# 2403
Delta R.T. -0.013 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion:188 Resp: 250778
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.5 7.2 10.8

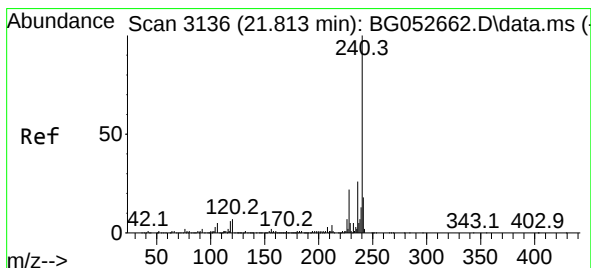
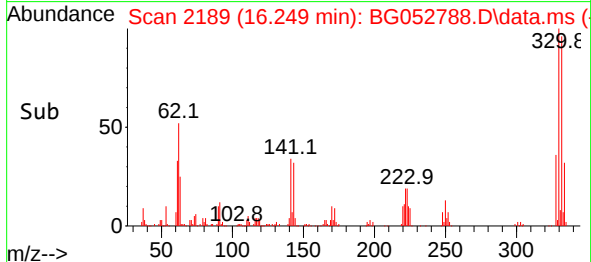
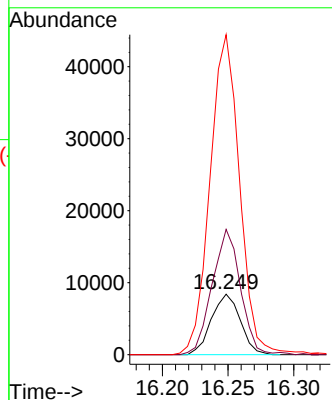
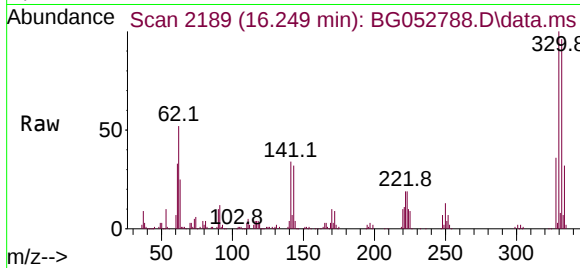




#67
4-Bromophenyl-phenylether
Concen: 4.262 ng
RT: 16.249 min Scan# 2189
Delta R.T. -0.459 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

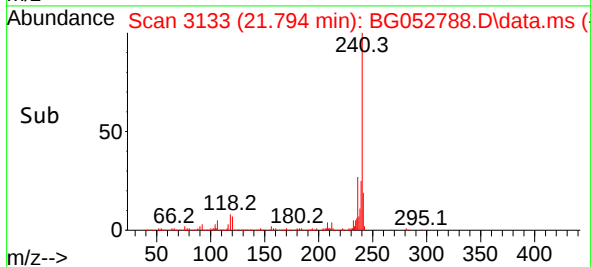
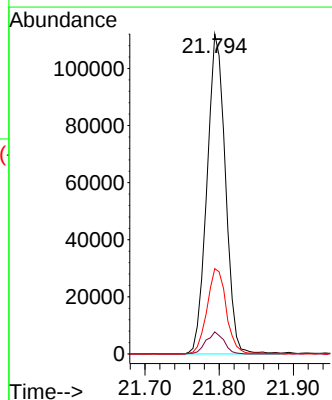
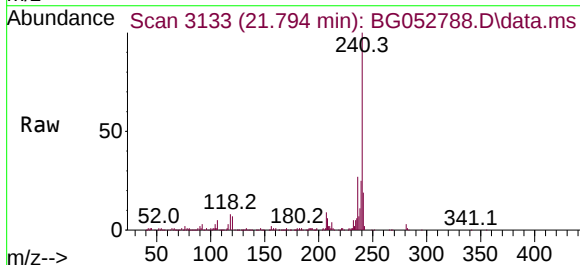
Instrument :
BNA_G
ClientSampleId :
B-3RE

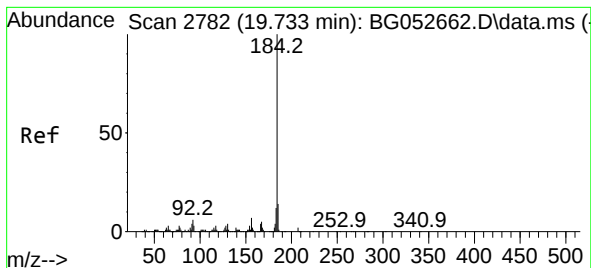
Tgt Ion:248 Resp: 12887
Ion Ratio Lower Upper
248 100
250 207.1 77.9 116.9#
141 529.0 49.2 73.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.794 min Scan# 3133
Delta R.T. -0.019 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Tgt Ion:240 Resp: 193374
Ion Ratio Lower Upper
240 100
120 6.9 5.4 8.0
236 26.7 19.8 29.6





#77

Benzidine

Concen: 4.161 ng

RT: 20.114 min Scan# 2847

Delta R.T. 0.381 min

Lab File: BG052788.D

Acq: 22 Mar 2022 16:54

Instrument :

BNA_G

ClientSampleId :

B-3RE

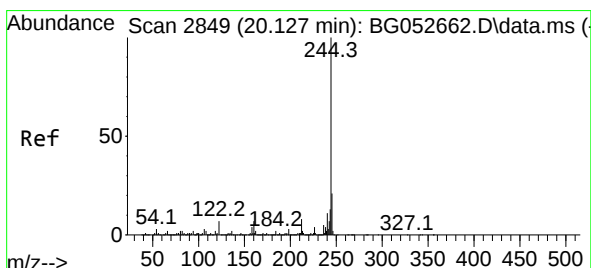
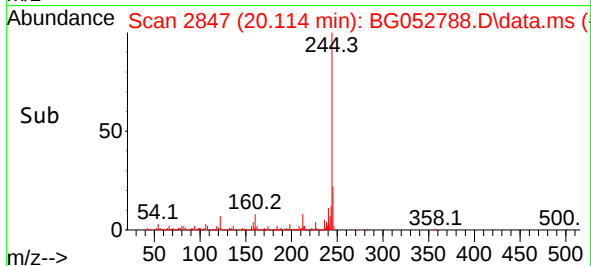
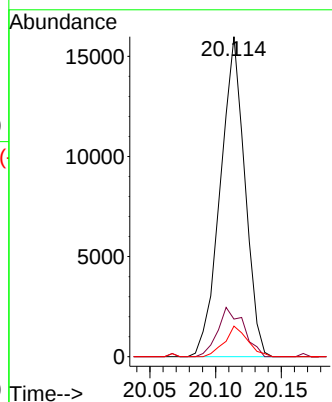
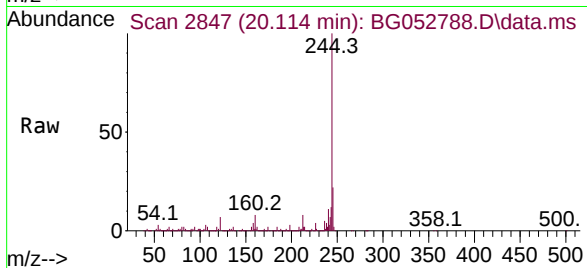
Tgt Ion:184 Resp: 20754

Ion Ratio Lower Upper

184 100

185 11.7 11.5 17.3

183 9.5 9.4 14.2



#79

Terphenyl-d14

Concen: 109.106 ng

RT: 20.114 min Scan# 2847

Delta R.T. -0.013 min

Lab File: BG052788.D

Acq: 22 Mar 2022 16:54

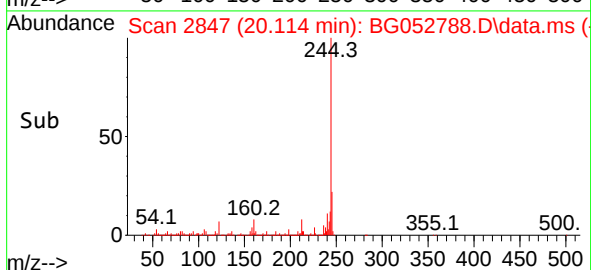
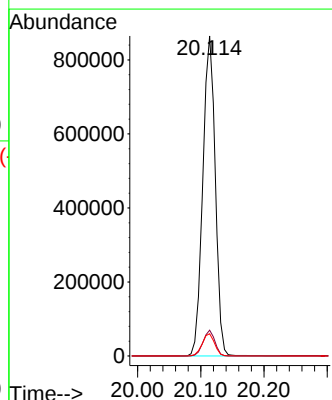
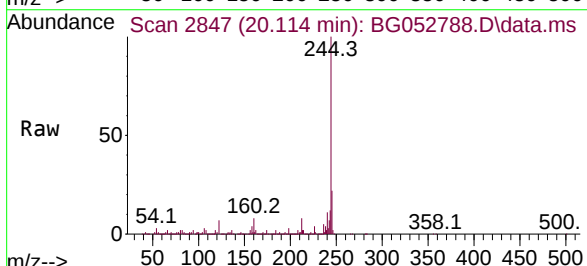
Tgt Ion:244 Resp: 1186063

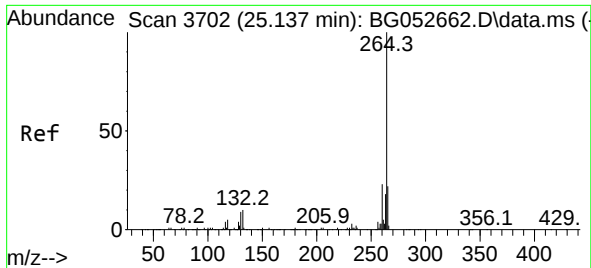
Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.2

122 7.0 5.8 8.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.107 min Scan# 30
Delta R.T. -0.030 min
Lab File: BG052788.D
Acq: 22 Mar 2022 16:54

Instrument :
BNA_G
ClientSampleId :
B-3RE

Tgt Ion:264 Resp: 41561
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 25.6 15.1 22.7#

