

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050522\
 Data File : BG053467.D
 Acq On : 6 May 2022 1:45
 Operator : CG/JU
 Sample : N2703-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-29D

Quant Time: May 06 03:49:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 02:13:53 2022
 Response via : Initial Calibration

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

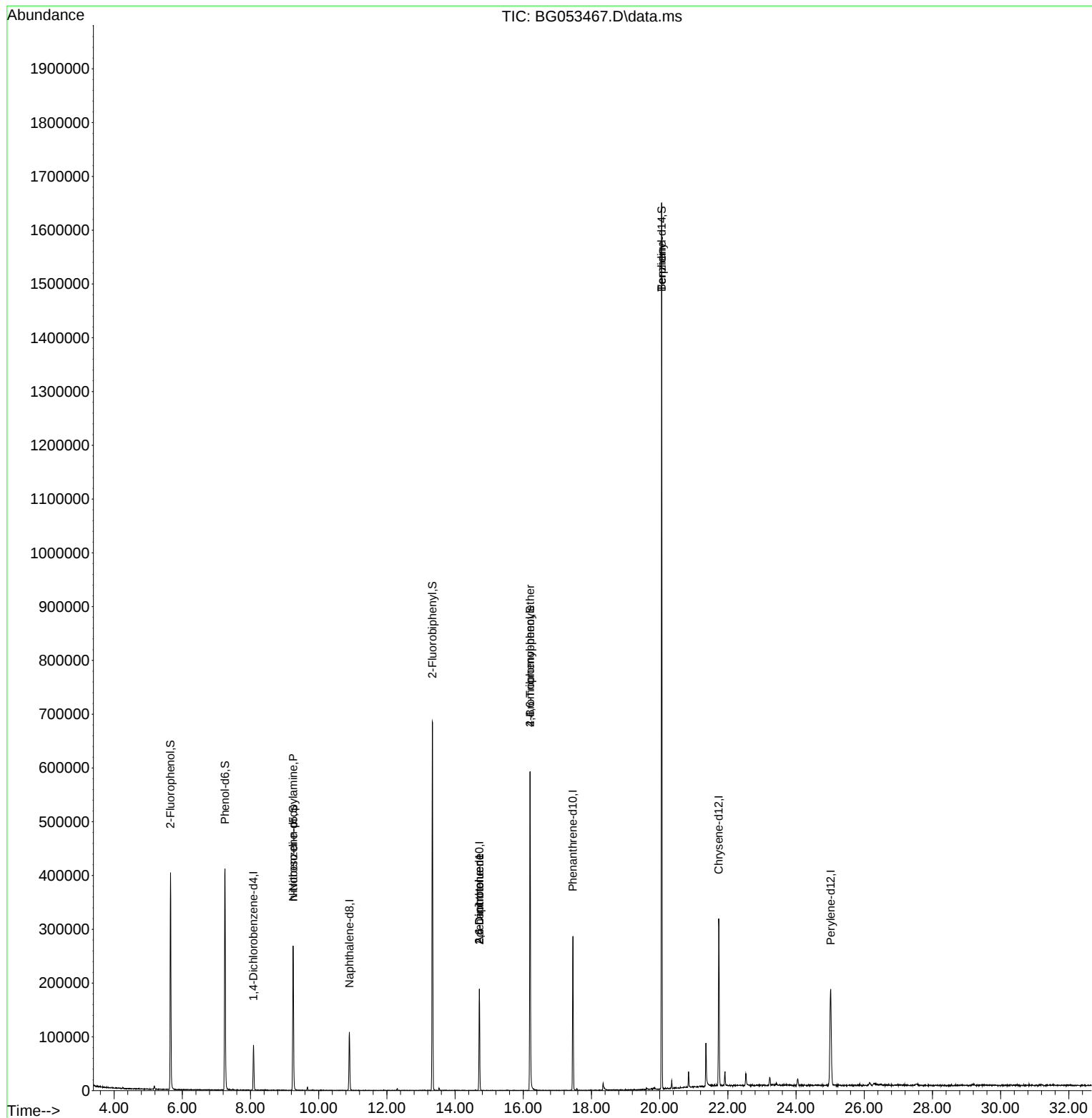
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	23530	20.000	ng	-0.01
21) Naphthalene-d8	10.901	136	91189	20.000	ng	#-0.01
39) Acenaphthene-d10	14.714	164	68739	20.000	ng	0.00
64) Phenanthrene-d10	17.457	188	178315	20.000	ng	-0.01
76) Chrysene-d12	21.734	240	200672	20.000	ng	-0.01
86) Perylene-d12	25.018	264	203254	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.656	112	165271	119.204	ng	-0.01
7) Phenol-d6	7.253	99	236692	112.488	ng	0.00
23) Nitrobenzene-d5	9.251	82	168558	78.685	ng	-0.01
42) 2,4,6-Tribromophenol	16.200	330	118854	117.234	ng	-0.01
45) 2-Fluorobiphenyl	13.339	172	369915	78.638	ng	0.00
79) Terphenyl-d14	20.060	244	794799	73.767	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.251	70	23499	15.565	ng	# 76
51) 2,6-Dinitrotoluene	14.714	165	8917	8.379	ng	# 16
57) 2,4-Dinitrotoluene	14.714	165	8917	5.781	ng	# 21
67) 4-Bromophenyl-phenylether	16.200	248	7657	3.677	ng	# 1
77) Benzidine	20.060	184	13414	3.101	ng	# 94

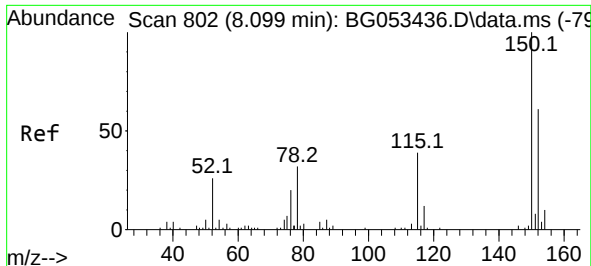
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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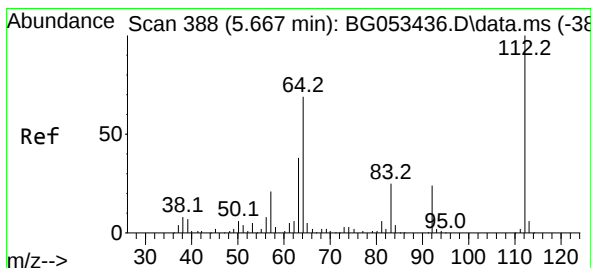
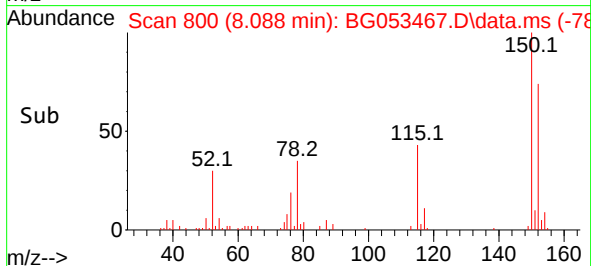
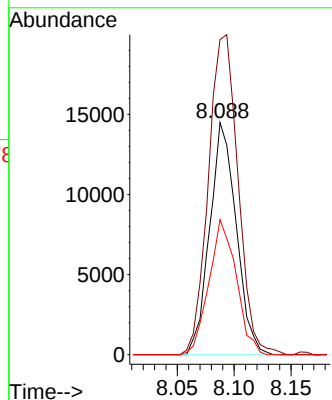
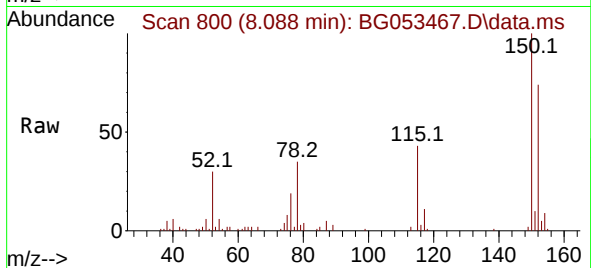




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.088 min Scan# 802
Delta R.T. -0.011 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

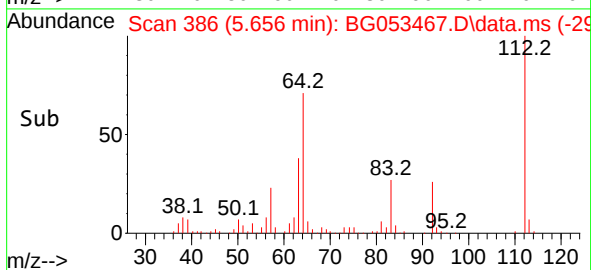
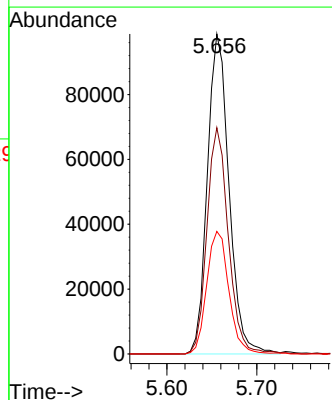
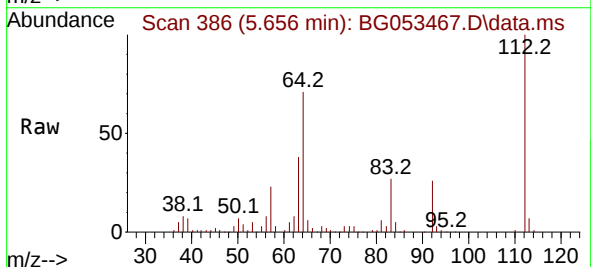
Instrument :
BNA_G
ClientSampleId :
MH-29D

Tgt Ion:152 Resp: 23530
Ion Ratio Lower Upper
152 100
150 135.7 131.6 197.4
115 58.1 50.9 76.3



#5
2-Fluorophenol
Concen: 119.204 ng
RT: 5.656 min Scan# 386
Delta R.T. -0.011 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Tgt Ion:112 Resp: 165271
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 38.3 30.4 45.6

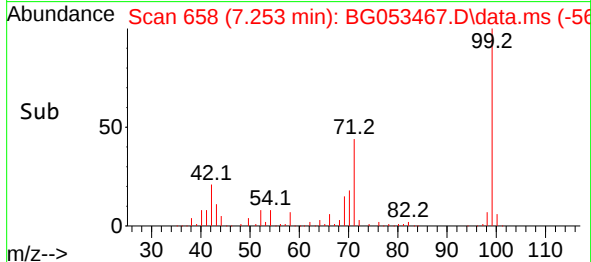
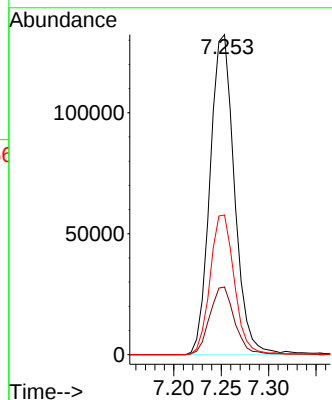
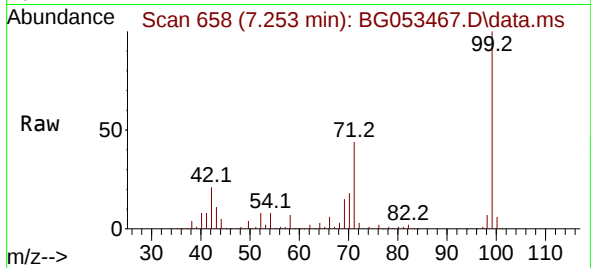




#7
Phenol-d6
Concen: 112.488 ng
RT: 7.253 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

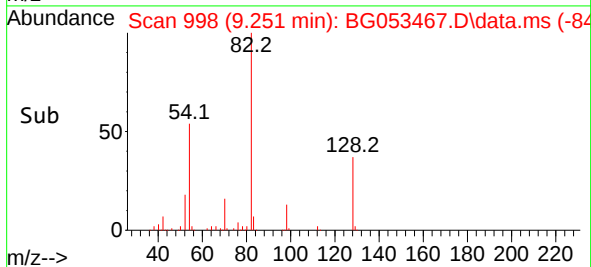
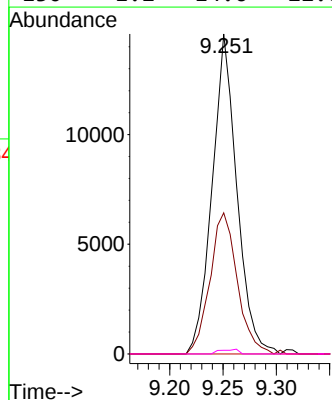
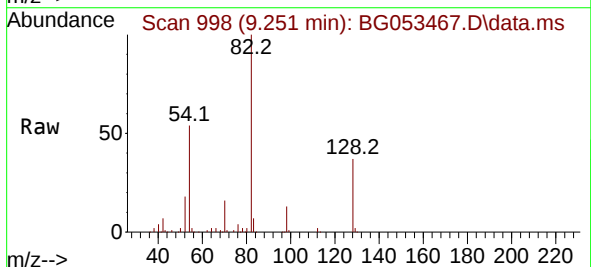
Instrument :
BNA_G
ClientSampleId :
MH-29D

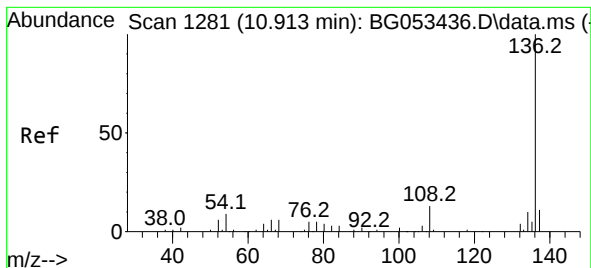
Tgt Ion: 99 Resp: 236692
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.565 ng
RT: 9.251 min Scan# 998
Delta R.T. 0.353 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Tgt Ion: 70 Resp: 23499
Ion Ratio Lower Upper
70 100
42 44.1 47.3 70.9#
101 0.0 7.0 10.4#
130 1.2 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.901 min Scan# 11

Delta R.T. -0.012 min

Lab File: BG053467.D

Acq: 6 May 2022 1:45

Instrument :

BNA_G

ClientSampleId :

MH-29D

Tgt Ion:136 Resp: 91189

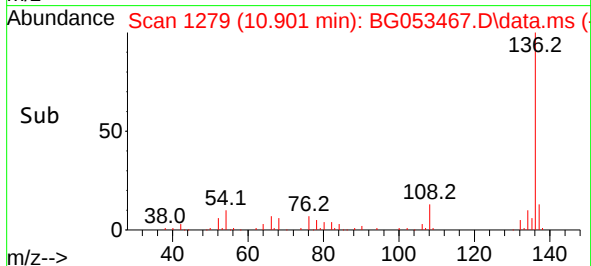
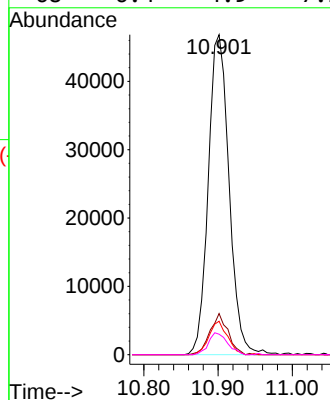
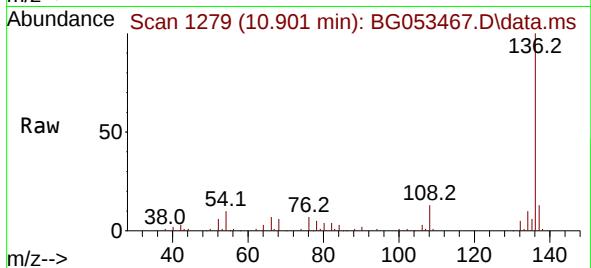
Ion Ratio Lower Upper

136 100

137 12.8 8.5 12.7#

54 10.5 7.4 11.2

68 6.4 4.9 7.3



#23

Nitrobenzene-d5

Concen: 78.685 ng

RT: 9.251 min Scan# 998

Delta R.T. -0.011 min

Lab File: BG053467.D

Acq: 6 May 2022 1:45

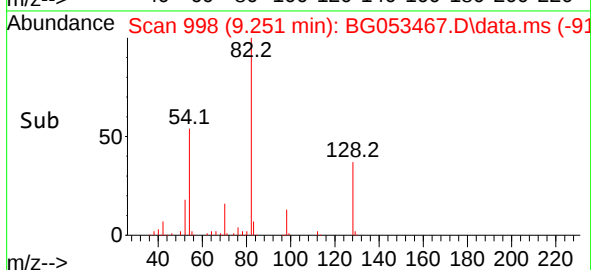
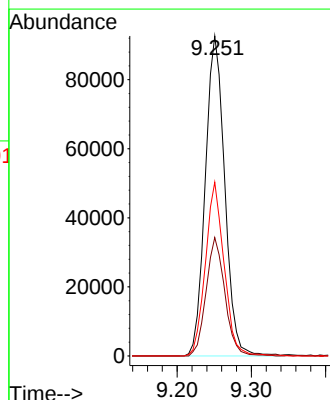
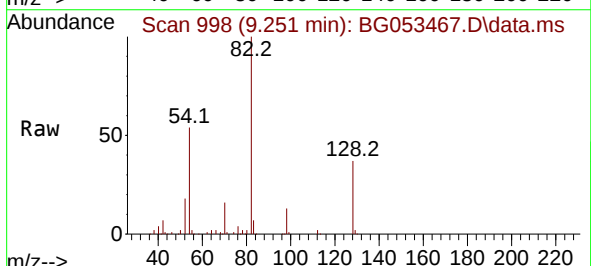
Tgt Ion: 82 Resp: 168558

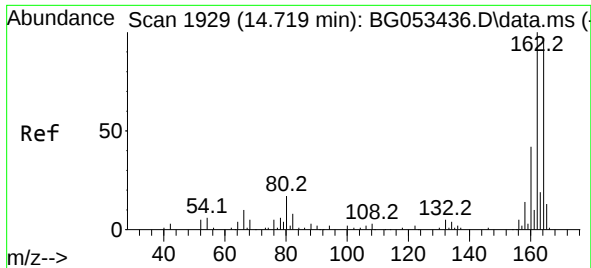
Ion Ratio Lower Upper

82 100

128 37.0 27.9 41.9

54 54.3 41.2 61.8

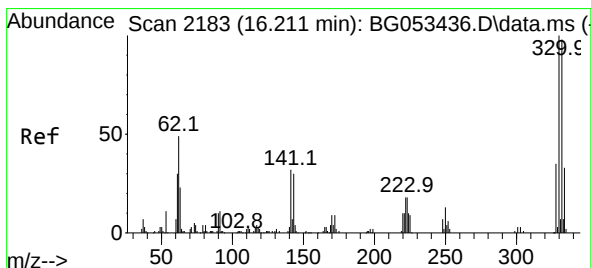
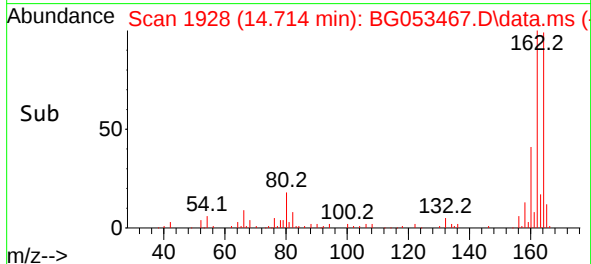
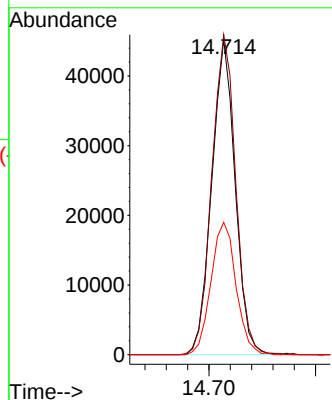
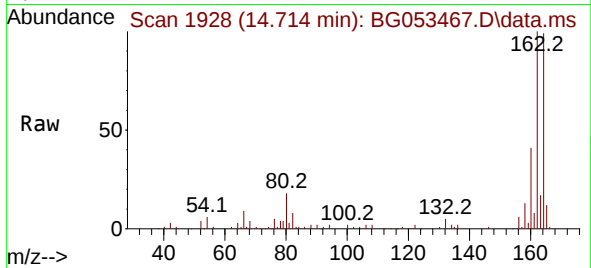




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.714 min Scan# 1928
Delta R.T. -0.005 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

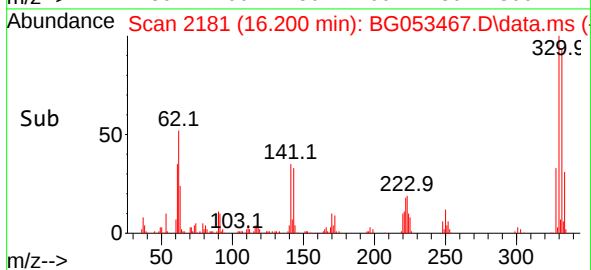
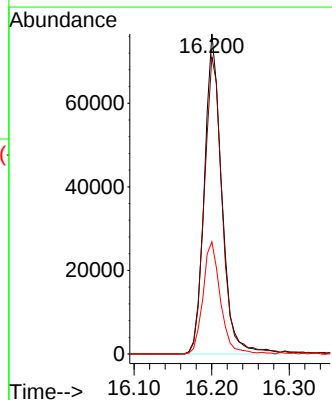
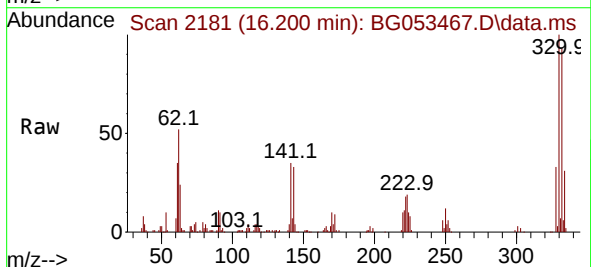
Instrument :
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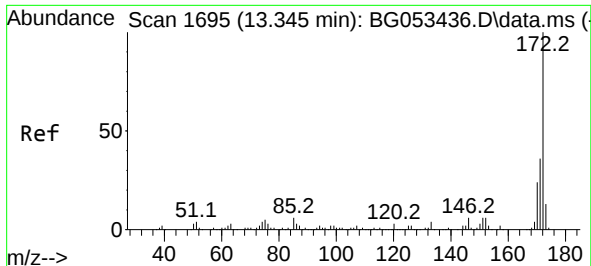
Tgt Ion:164 Resp: 68739
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 42.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 117.234 ng
RT: 16.200 min Scan# 2181
Delta R.T. -0.011 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Tgt Ion:330 Resp: 118854
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 35.1 27.1 40.7

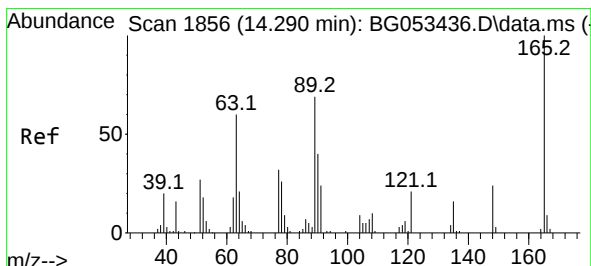
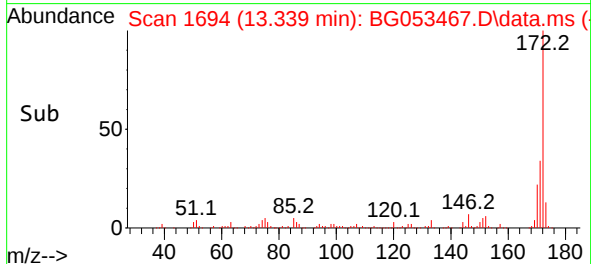
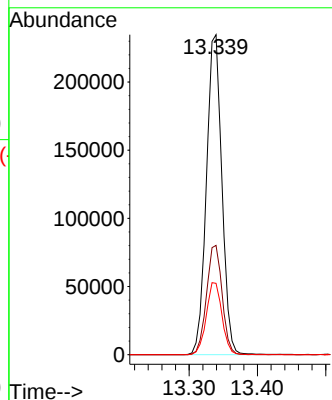
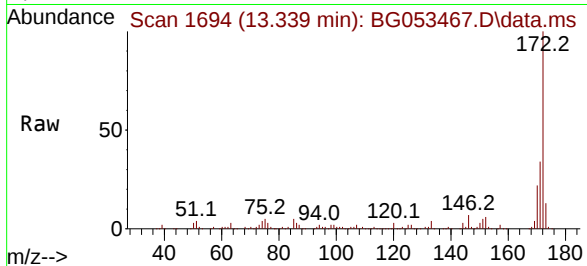




#45
2-Fluorobiphenyl
Concen: 78.638 ng
RT: 13.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

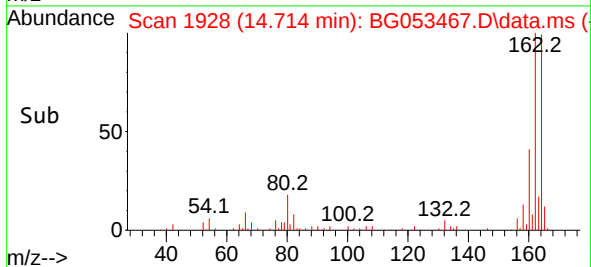
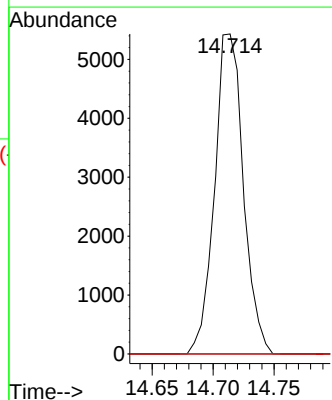
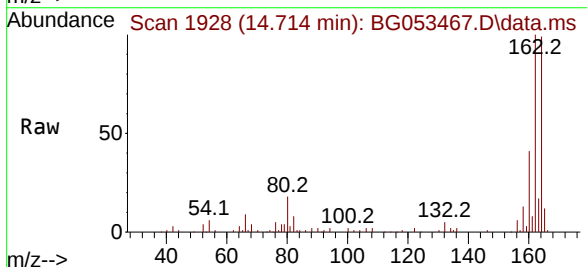
Instrument :
BNA_G
ClientSampleId :
MH-29D

Tgt Ion:172 Resp: 369915
Ion Ratio Lower Upper
172 100
171 34.2 28.5 42.7
170 22.3 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.379 ng
RT: 14.714 min Scan# 1928
Delta R.T. 0.424 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Tgt Ion:165 Resp: 8917
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: 5.781 ng

RT: 14.714 min Scan# 1991

Delta R.T. -0.370 min

Lab File: BG053467.D

Acq: 6 May 2022 1:45

Instrument :

BNA_G

ClientSampleId :

MH-29D

Tgt Ion:165 Resp: 8917

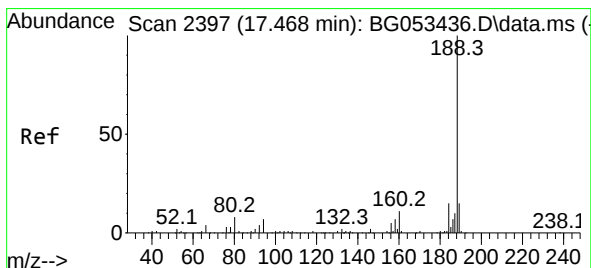
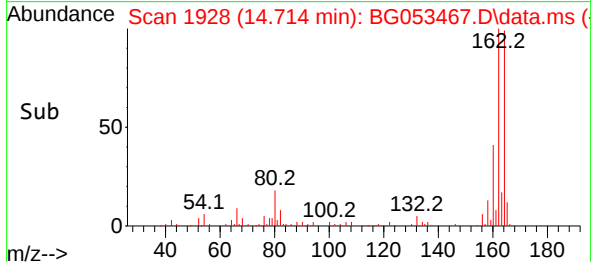
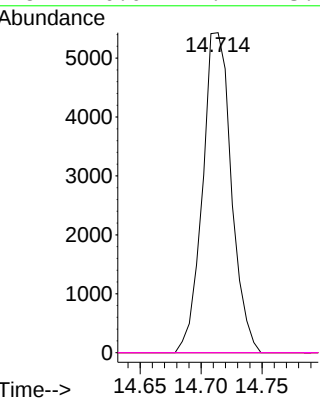
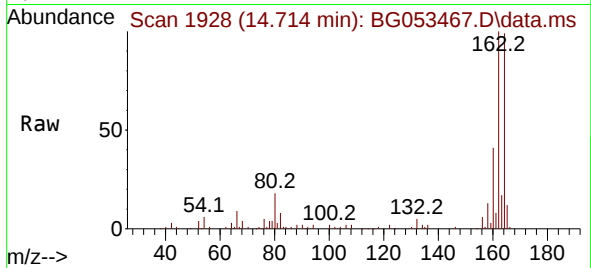
Ion Ratio Lower Upper

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: 17.457 min Scan# 2395

Delta R.T. -0.011 min

Lab File: BG053467.D

Acq: 6 May 2022 1:45

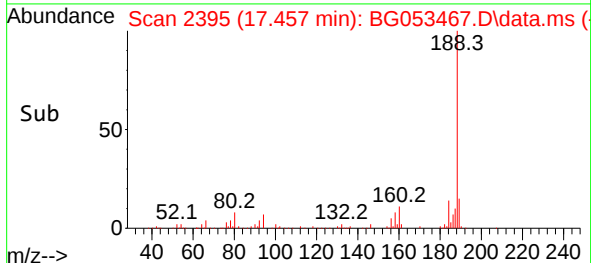
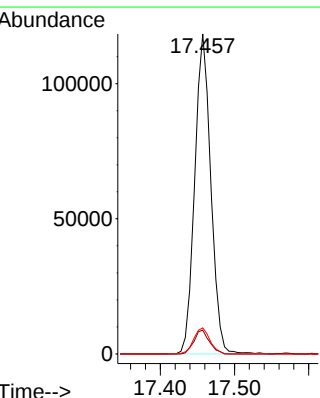
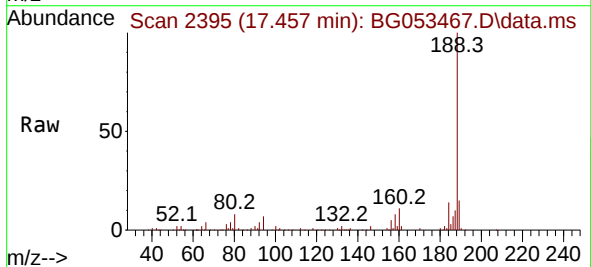
Tgt Ion:188 Resp: 178315

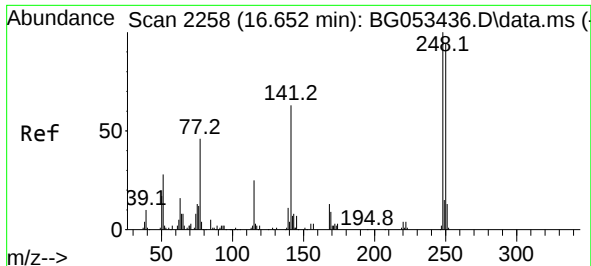
Ion Ratio Lower Upper

188 100

94 7.4 5.4 8.0

80 8.2 6.8 10.2

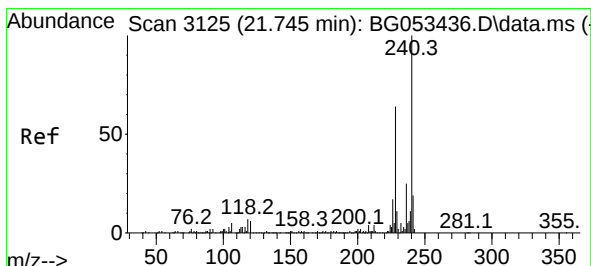
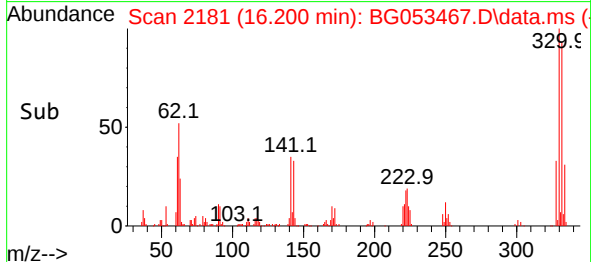
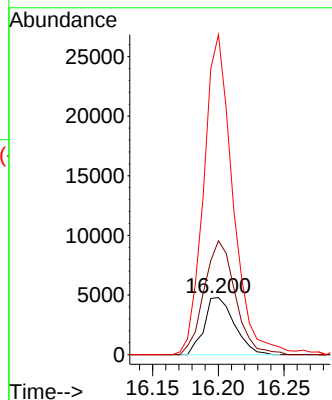
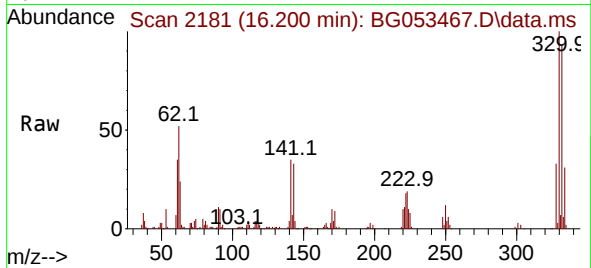




#67
4-Bromophenyl-phenylether
Concen: 3.677 ng
RT: 16.200 min Scan# 21181
Delta R.T. -0.452 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

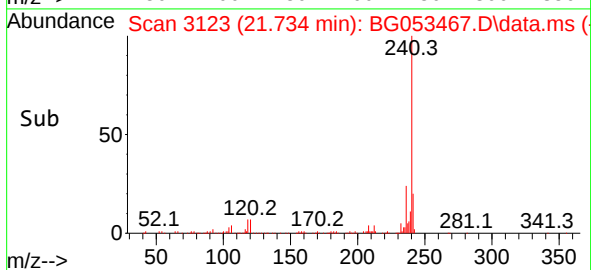
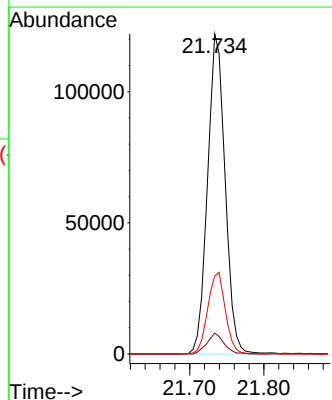
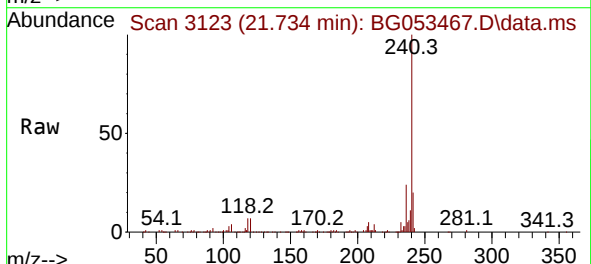
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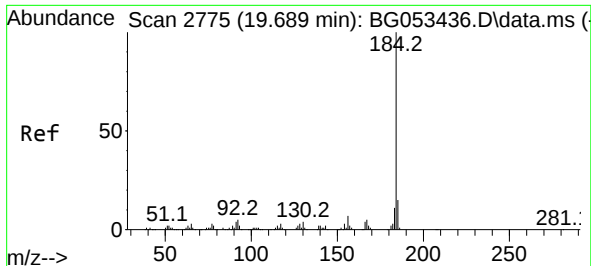
Tgt Ion:248 Resp: 7657
Ion Ratio Lower Upper
248 100
250 199.3 75.2 112.8#
141 559.8 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.734 min Scan# 3123
Delta R.T. -0.011 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Tgt Ion:240 Resp: 200672
Ion Ratio Lower Upper
240 100
120 6.5 4.6 7.0
236 24.4 20.2 30.4

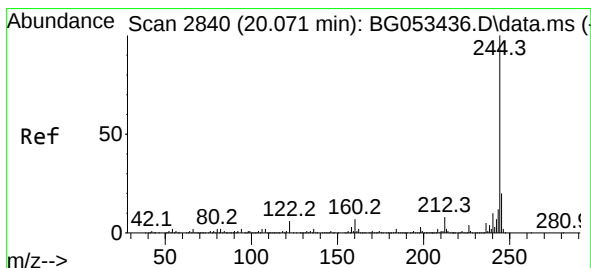
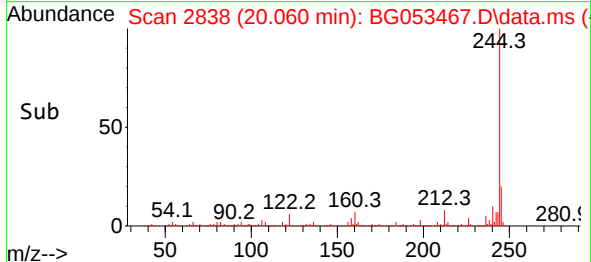
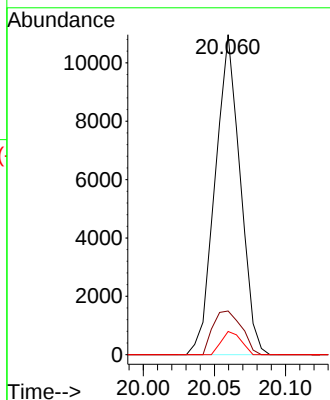
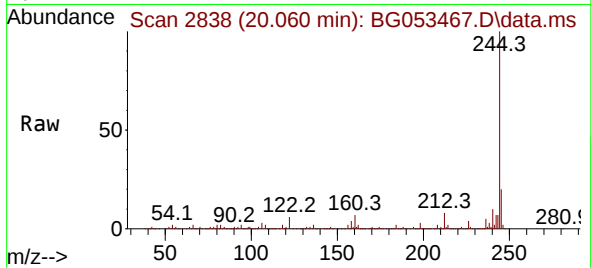




#77
Benzidine
Concen: 3.101 ng
RT: 20.060 min Scan# 2838
Delta R.T. 0.371 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

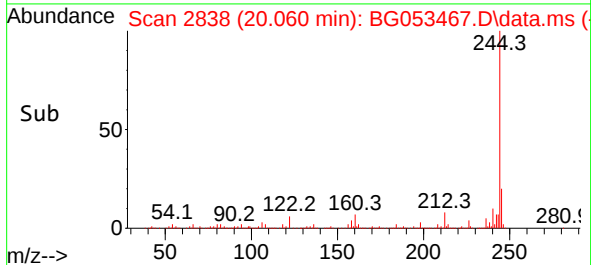
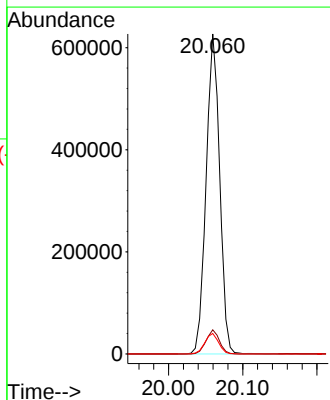
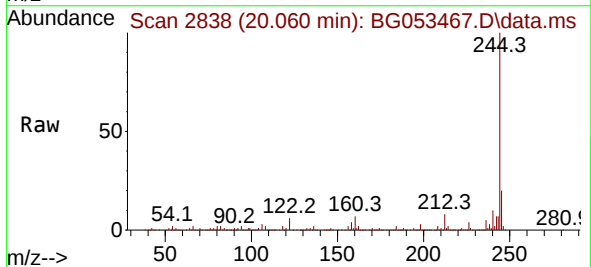
Instrument :
BNA_G
ClientSampleId :
MH-29D

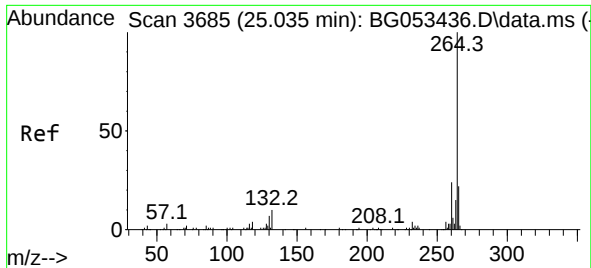
Tgt Ion:184 Resp: 13414
Ion Ratio Lower Upper
184 100
185 13.6 11.8 17.6
183 7.3 8.9 13.3#



#79
Terphenyl-d14
Concen: 73.767 ng
RT: 20.060 min Scan# 2838
Delta R.T. -0.011 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

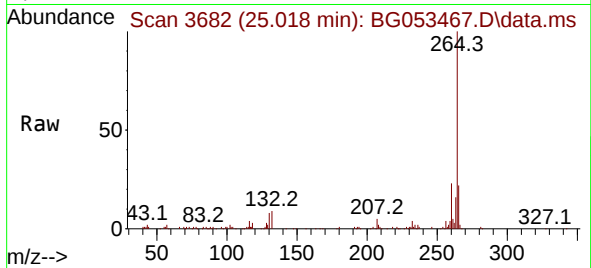
Tgt Ion:244 Resp: 794799
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 6.4 5.0 7.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 30
Delta R.T. -0.017 min
Lab File: BG053467.D
Acq: 6 May 2022 1:45

Instrument :
BNA_G
ClientSampleId :
MH-29D



Tgt Ion:	264	Resp:	203254
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.6
265	22.1	17.4	26.2

