

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050522\
 Data File : BG053448.D
 Acq On : 5 May 2022 12:00
 Operator : CG/JU
 Sample : N2665-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4,16

Quant Time: May 06 03:46:42 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)

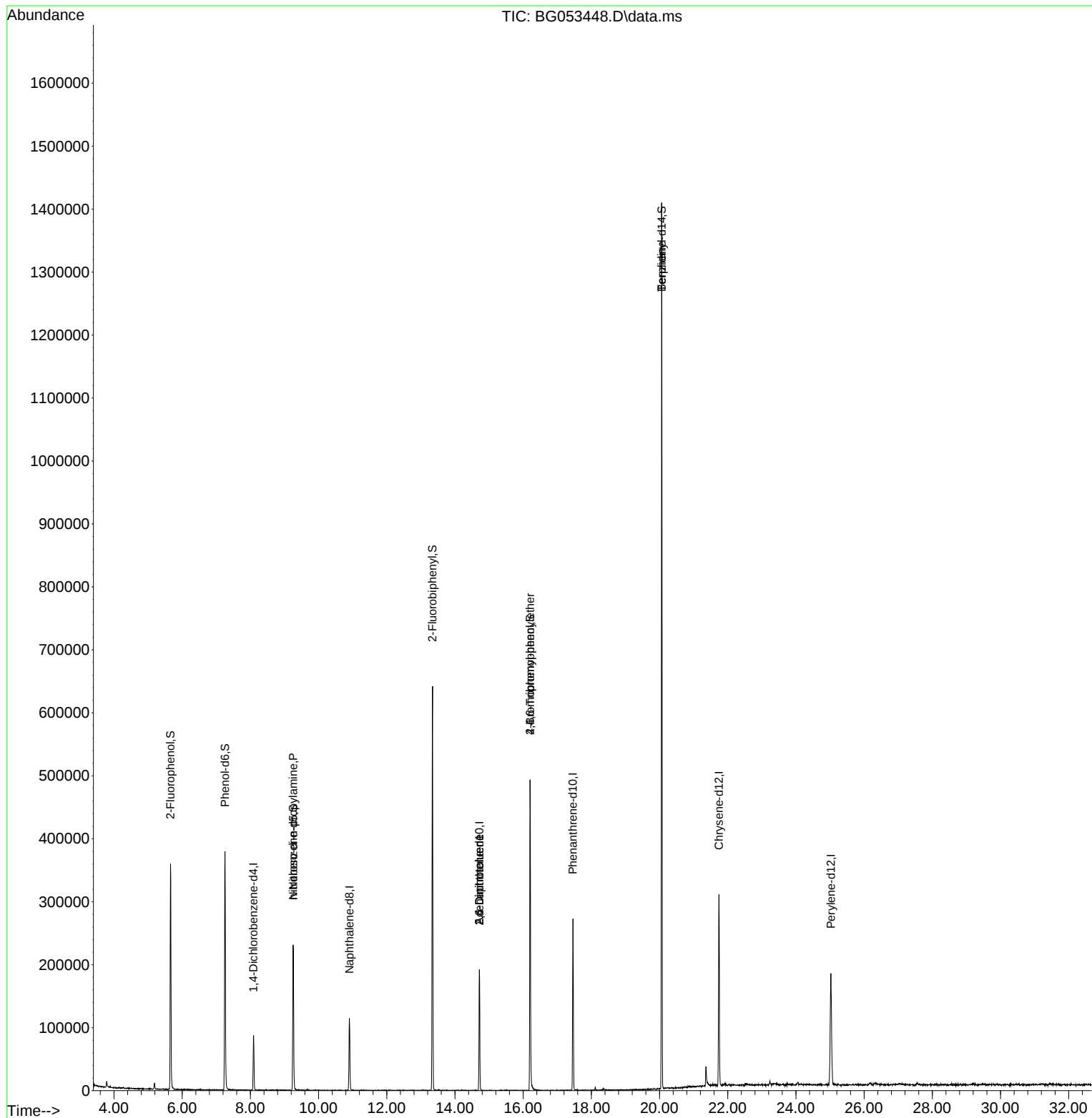
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.091	152	24178	20.000	ng	0.00
21) Naphthalene-d8	10.904	136	98033	20.000	ng	0.00
39) Acenaphthene-d10	14.717	164	72850	20.000	ng	0.00
64) Phenanthrene-d10	17.460	188	180609	20.000	ng	0.00
76) Chrysene-d12	21.743	240	199363	20.000	ng	0.00
86) Perylene-d12	25.027	264	196312	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.659	112	151304	106.205	ng	0.00
7) Phenol-d6	7.256	99	215797	99.809	ng	0.00
23) Nitrobenzene-d5	9.254	82	152853	66.373	ng	0.00
42) 2,4,6-Tribromophenol	16.203	330	102143	95.065	ng	0.00
45) 2-Fluorobiphenyl	13.342	172	335994	67.396	ng	0.00
79) Terphenyl-d14	20.063	244	693399	64.778	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.254	70	21829	14.072	ng	# 73
51) 2,6-Dinitrotoluene	14.717	165	9315	8.259	ng	# 16
57) 2,4-Dinitrotoluene	14.717	165	9315	5.698	ng	# 21
67) 4-Bromophenyl-phenylether	16.203	248	6866	3.255	ng	# 1
77) Benzidine	20.063	184	12062	2.807	ng	# 92

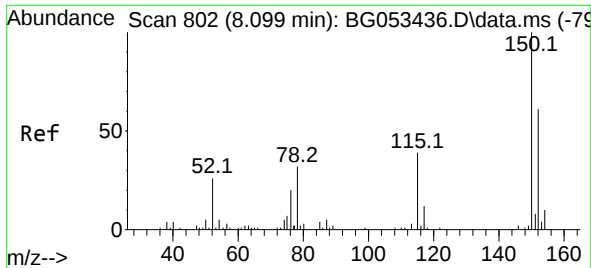
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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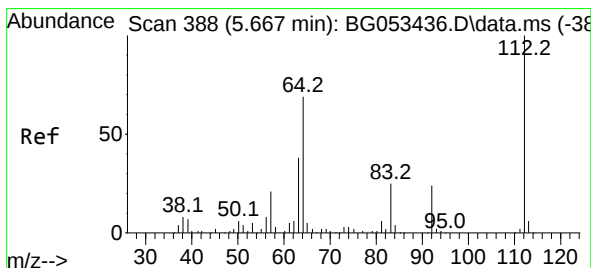
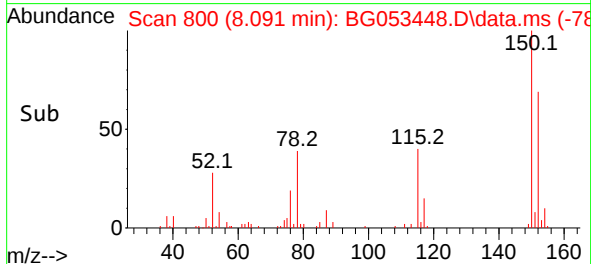
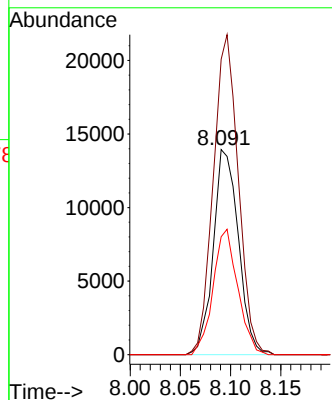
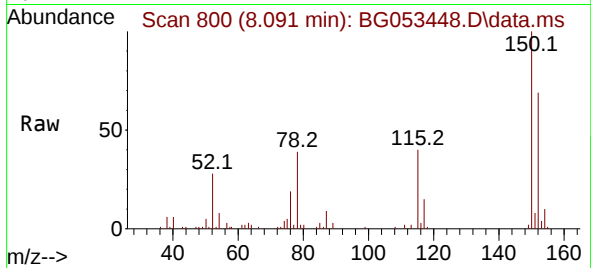




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.091 min Scan# 80
Delta R.T. -0.008 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

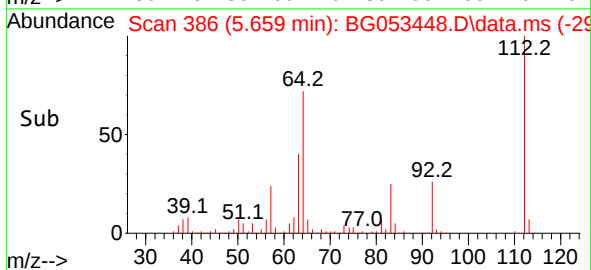
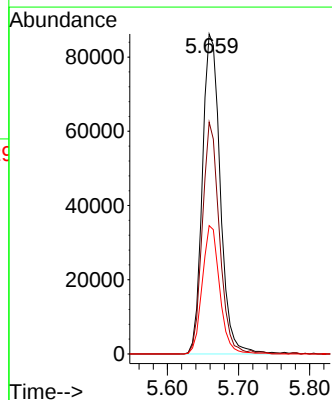
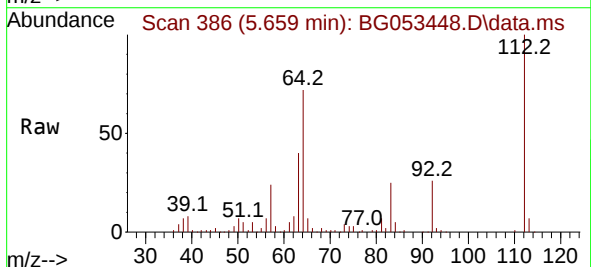
Instrument :
BNA_G
ClientSampleId :
SB-4,16

Tgt Ion:152 Resp: 24178
Ion Ratio Lower Upper
152 100
150 144.0 131.6 197.4
115 57.5 50.9 76.3



#5
2-Fluorophenol
Concen: 106.205 ng
RT: 5.659 min Scan# 386
Delta R.T. -0.008 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:112 Resp: 151304
Ion Ratio Lower Upper
112 100
64 72.5 55.1 82.7
63 40.1 30.4 45.6

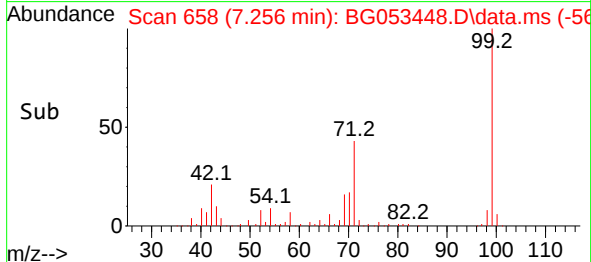
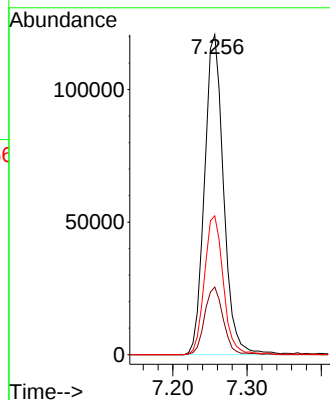
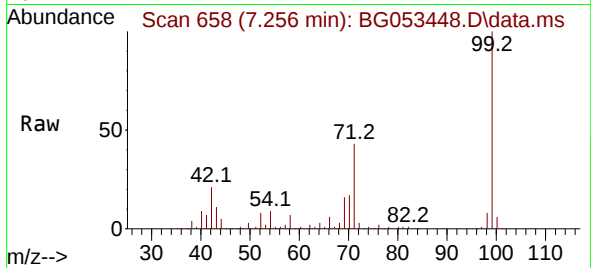




#7
Phenol-d6
Concen: 99.809 ng
RT: 7.256 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

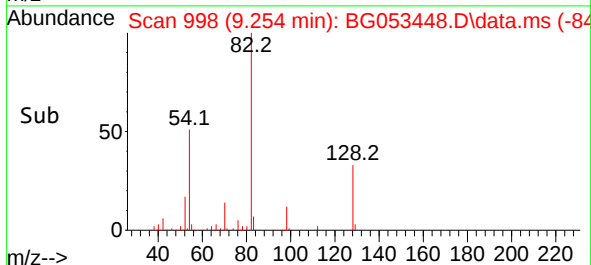
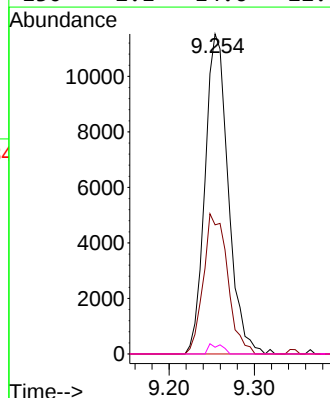
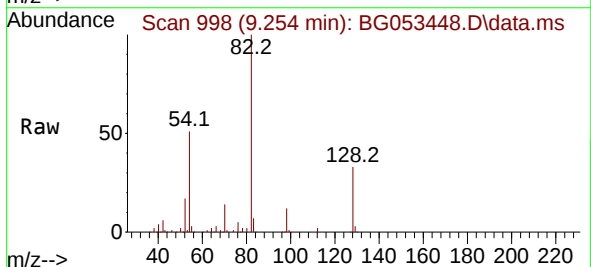
Instrument :
BNA_G
ClientSampleId :
SB-4,16

Tgt Ion: 99 Resp: 215797
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 43.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.072 ng
RT: 9.254 min Scan# 998
Delta R.T. 0.356 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion: 70 Resp: 21829
Ion Ratio Lower Upper
70 100
42 40.4 47.3 70.9#
101 0.0 7.0 10.4#
130 2.1 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.904 min Scan# 11

Delta R.T. -0.009 min

Lab File: BG053448.D

Acq: 5 May 2022 12:00

Instrument :

BNA_G

ClientSampleId :

SB-4,16

Tgt Ion:136 Resp: 98033

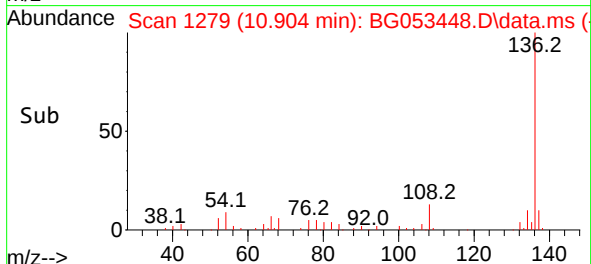
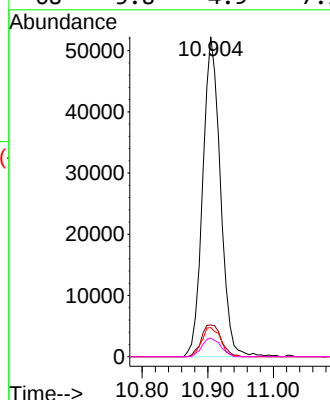
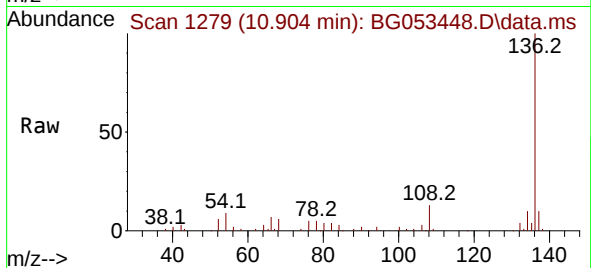
Ion Ratio Lower Upper

136 100

137 9.9 8.5 12.7

54 9.1 7.4 11.2

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 66.373 ng

RT: 9.254 min Scan# 998

Delta R.T. -0.008 min

Lab File: BG053448.D

Acq: 5 May 2022 12:00

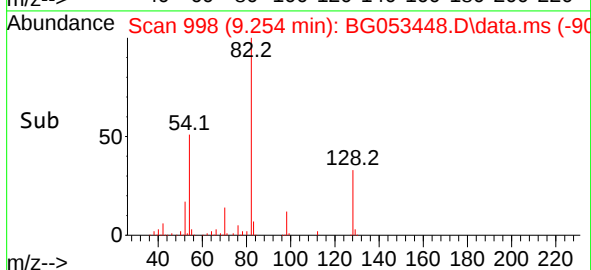
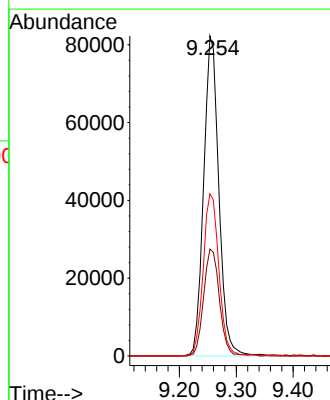
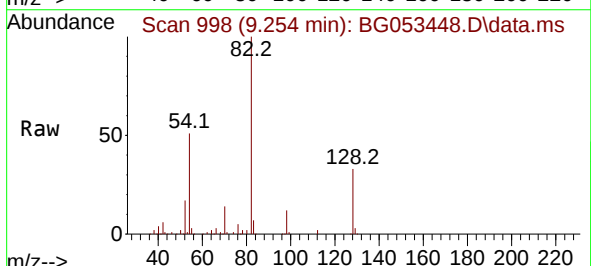
Tgt Ion: 82 Resp: 152853

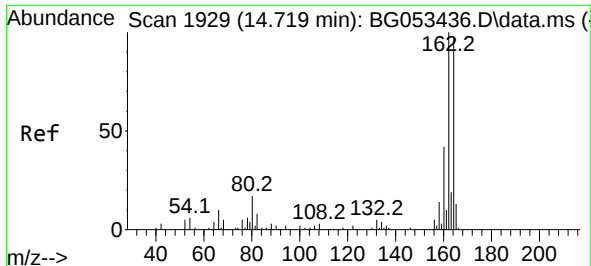
Ion Ratio Lower Upper

82 100

128 33.4 27.9 41.9

54 50.7 41.2 61.8

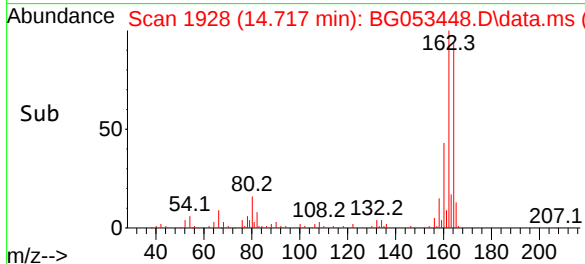
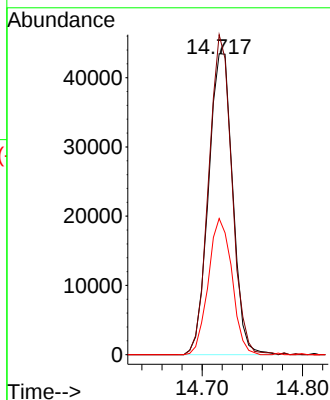
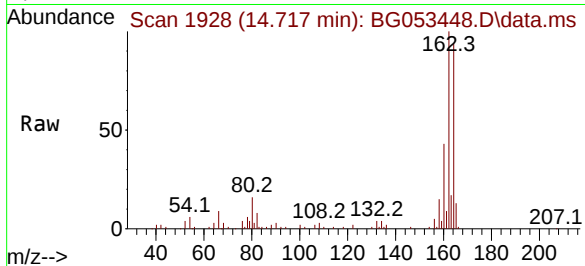




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.717 min Scan# 1929
Delta R.T. -0.002 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

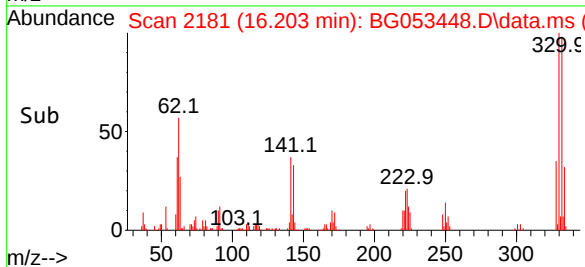
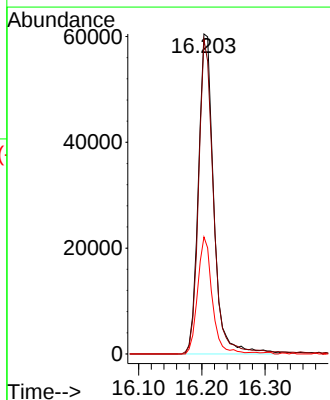
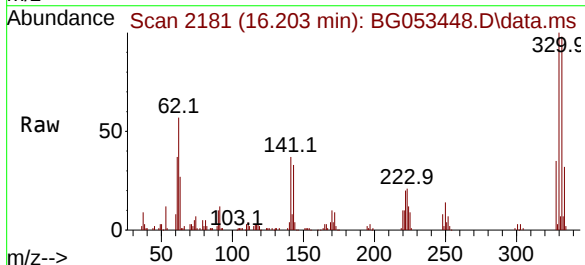
Instrument :
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SB-4,16

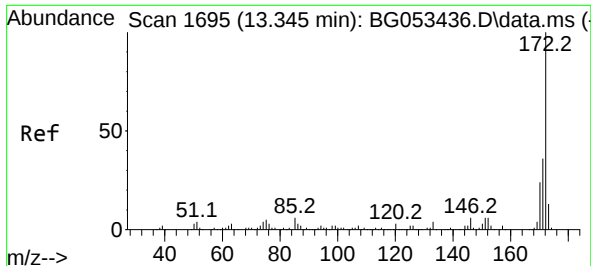
Tgt Ion:164 Resp: 72850
Ion Ratio Lower Upper
164 100
162 106.4 82.3 123.5
160 45.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 95.065 ng
RT: 16.203 min Scan# 2181
Delta R.T. -0.008 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:330 Resp: 102143
Ion Ratio Lower Upper
330 100
332 96.2 76.0 114.0
141 34.6 27.1 40.7

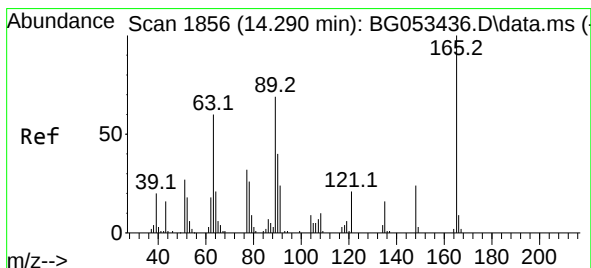
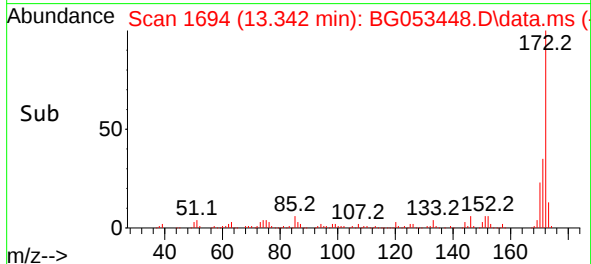
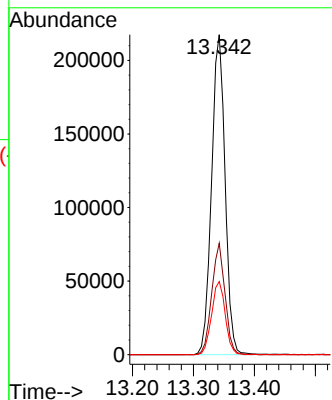
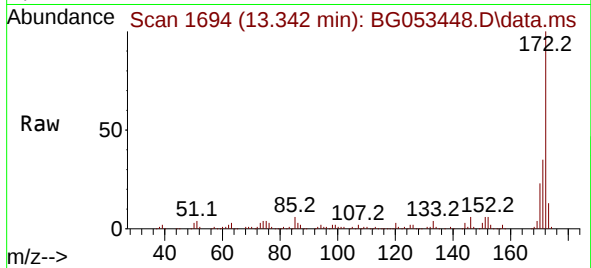




#45
2-Fluorobiphenyl
Concen: 67.396 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

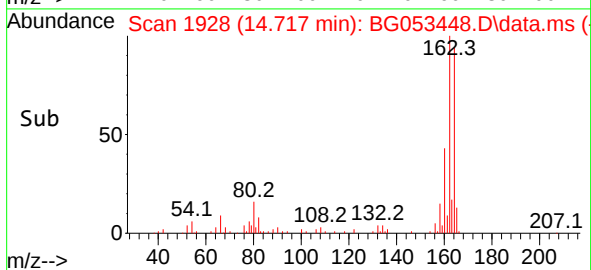
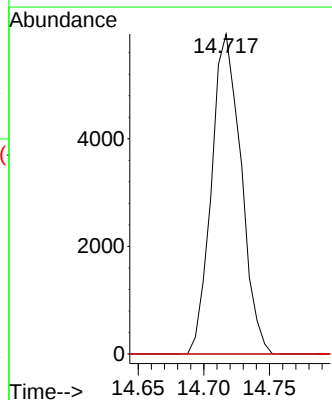
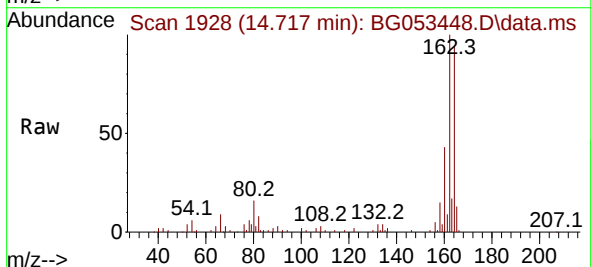
Instrument :
BNA_G
ClientSampleId :
SB-4,16

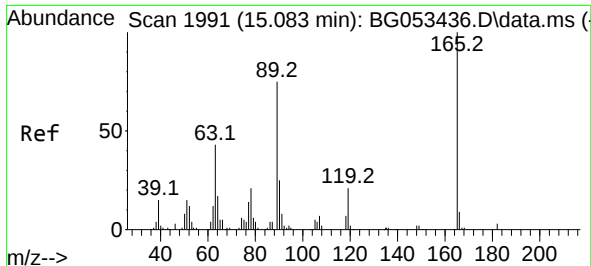
Tgt Ion:172 Resp: 335994
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 22.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.259 ng
RT: 14.717 min Scan# 1928
Delta R.T. 0.427 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:165 Resp: 9315
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

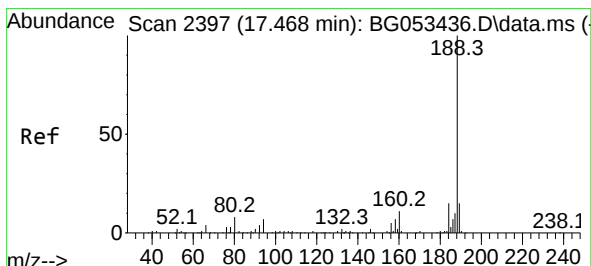
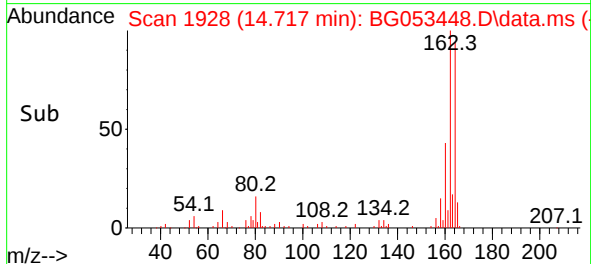
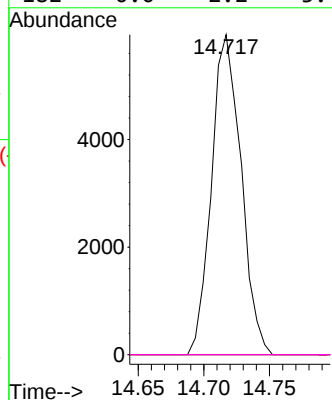
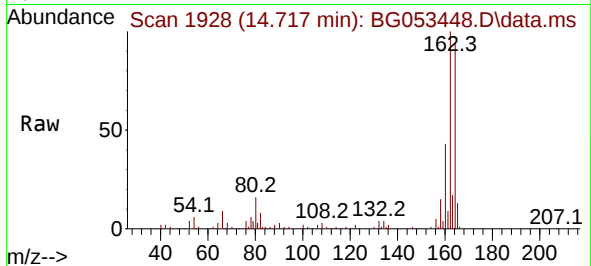




#57
2,4-Dinitrotoluene
Concen: 5.698 ng
RT: 14.717 min Scan# 1928
Delta R.T. -0.366 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

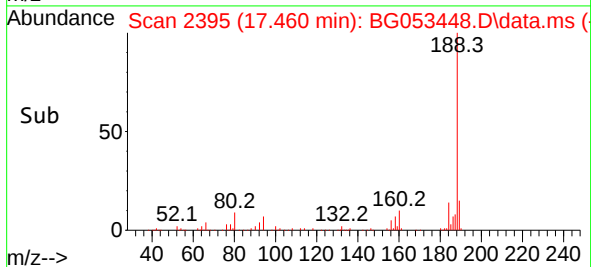
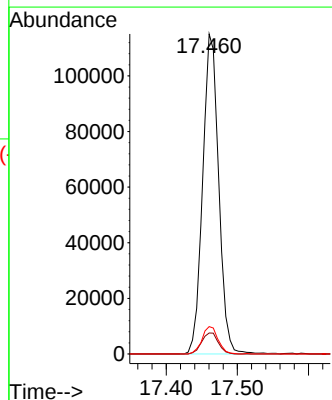
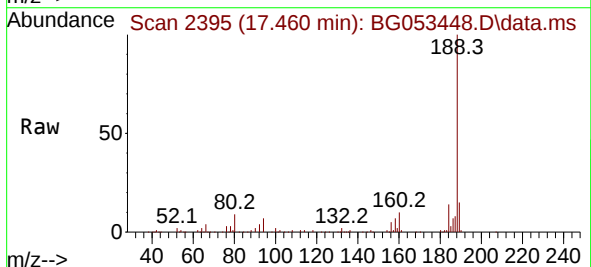
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ClientSampleId :
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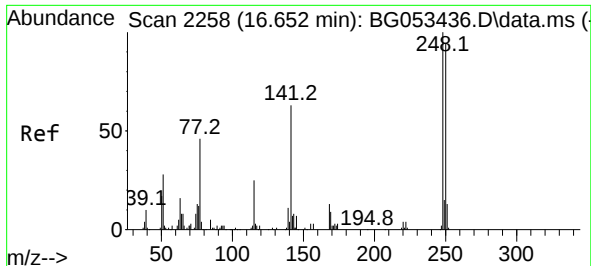
Tgt Ion:165 Resp: 9315
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.460 min Scan# 2395
Delta R.T. -0.008 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:188 Resp: 180609
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 8.5 6.8 10.2

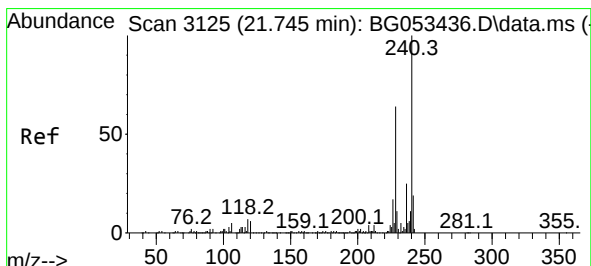
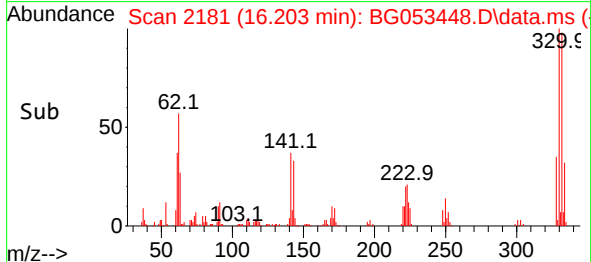
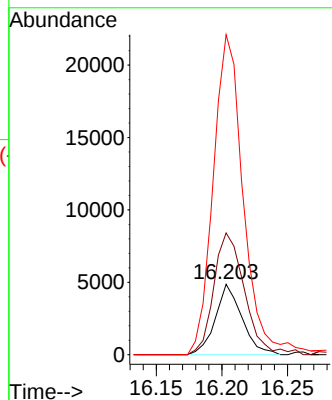
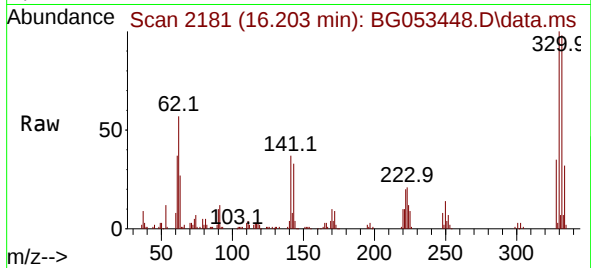




#67
4-Bromophenyl-phenylether
Concen: 3.255 ng
RT: 16.203 min Scan# 211
Delta R.T. -0.449 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

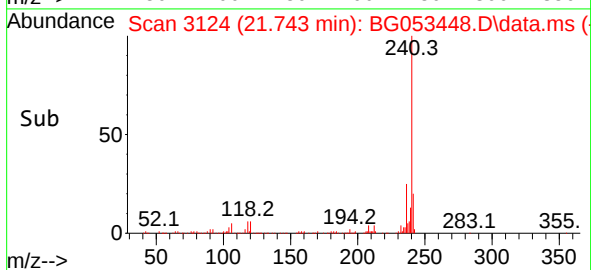
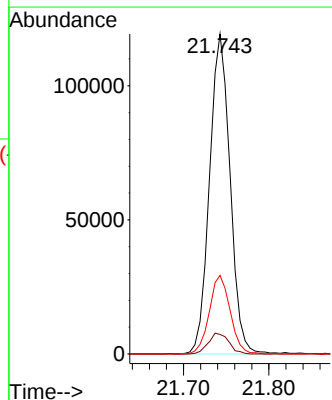
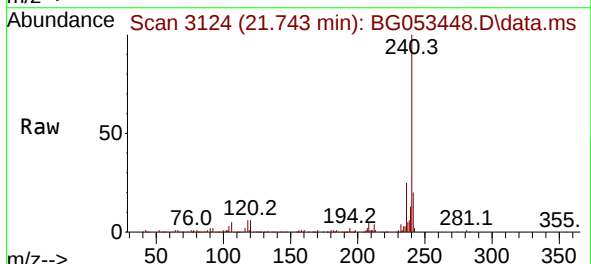
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BNA_G
ClientSampleId :
SB-4,16

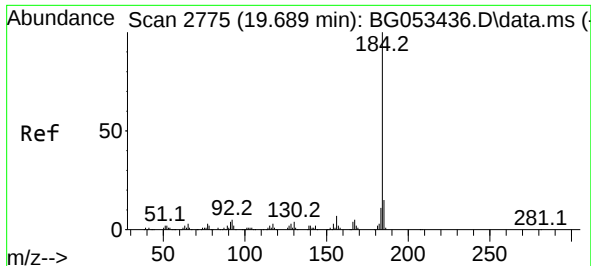
Tgt Ion:248 Resp: 6866
Ion Ratio Lower Upper
248 100
250 173.0 75.2 112.8#
141 454.3 50.0 75.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.743 min Scan# 3124
Delta R.T. -0.002 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:240 Resp: 199363
Ion Ratio Lower Upper
240 100
120 6.1 4.6 7.0
236 24.5 20.2 30.4

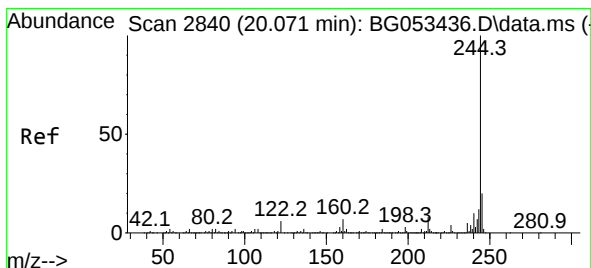
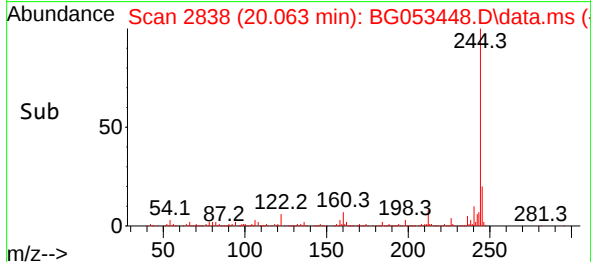
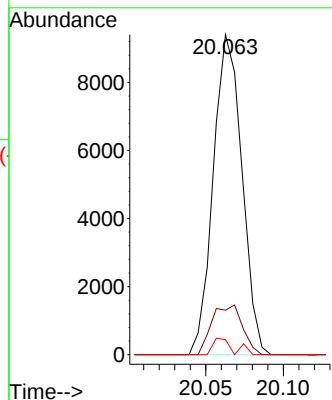
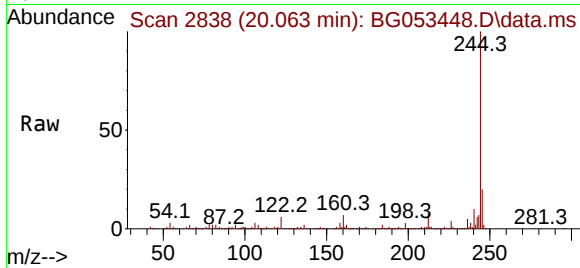




#77
Benzidine
Concen: 2.807 ng
RT: 20.063 min Scan# 2838
Delta R.T. 0.374 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

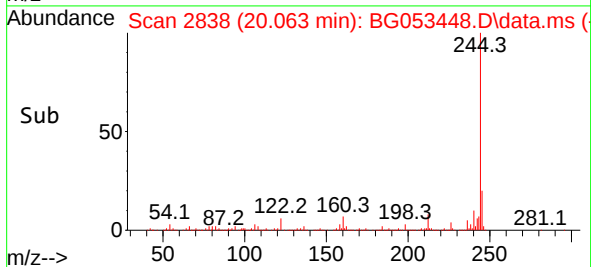
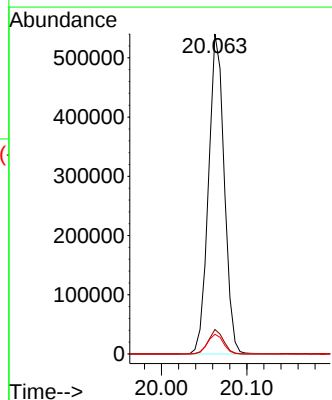
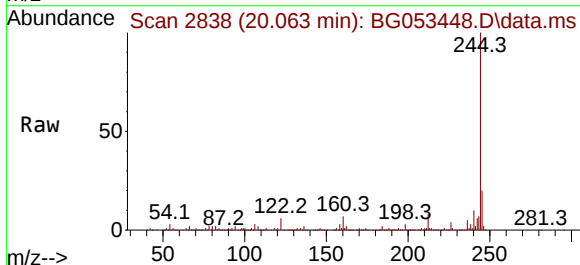
Instrument :
BNA_G
ClientSampleId :
SB-4,16

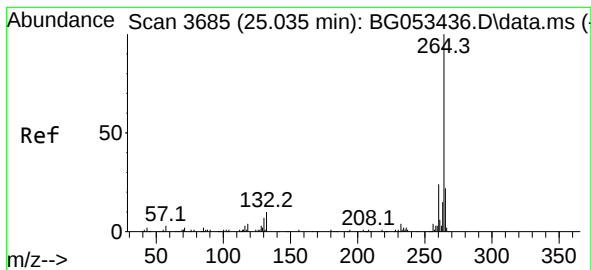
Tgt Ion:184 Resp: 12062
Ion Ratio Lower Upper
184 100
185 13.9 11.8 17.6
183 4.7 8.9 13.3#



#79
Terphenyl-d14
Concen: 64.778 ng
RT: 20.063 min Scan# 2838
Delta R.T. -0.008 min
Lab File: BG053448.D
Acq: 5 May 2022 12:00

Tgt Ion:244 Resp: 693399
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 6.2 5.0 7.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.027 min Scan# 3

Delta R.T. -0.008 min

Lab File: BG053448.D

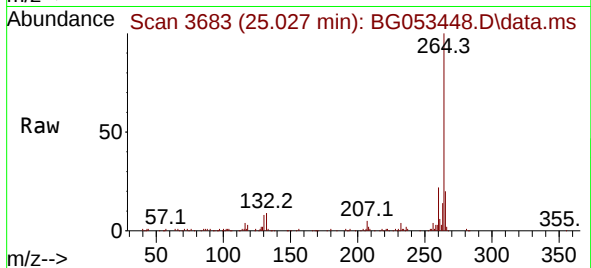
Acq: 5 May 2022 12:00

Instrument :

BNA_G

ClientSampleId :

SB-4,16



Tgt Ion:264 Resp: 196312

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.6

265 19.9 17.4 26.2

