

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081122\
 Data File : BG054607.D
 Acq On : 11 Aug 2022 16:29
 Operator : CG/JU
 Sample : N4017-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB09

Quant Time: Aug 12 06:04:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

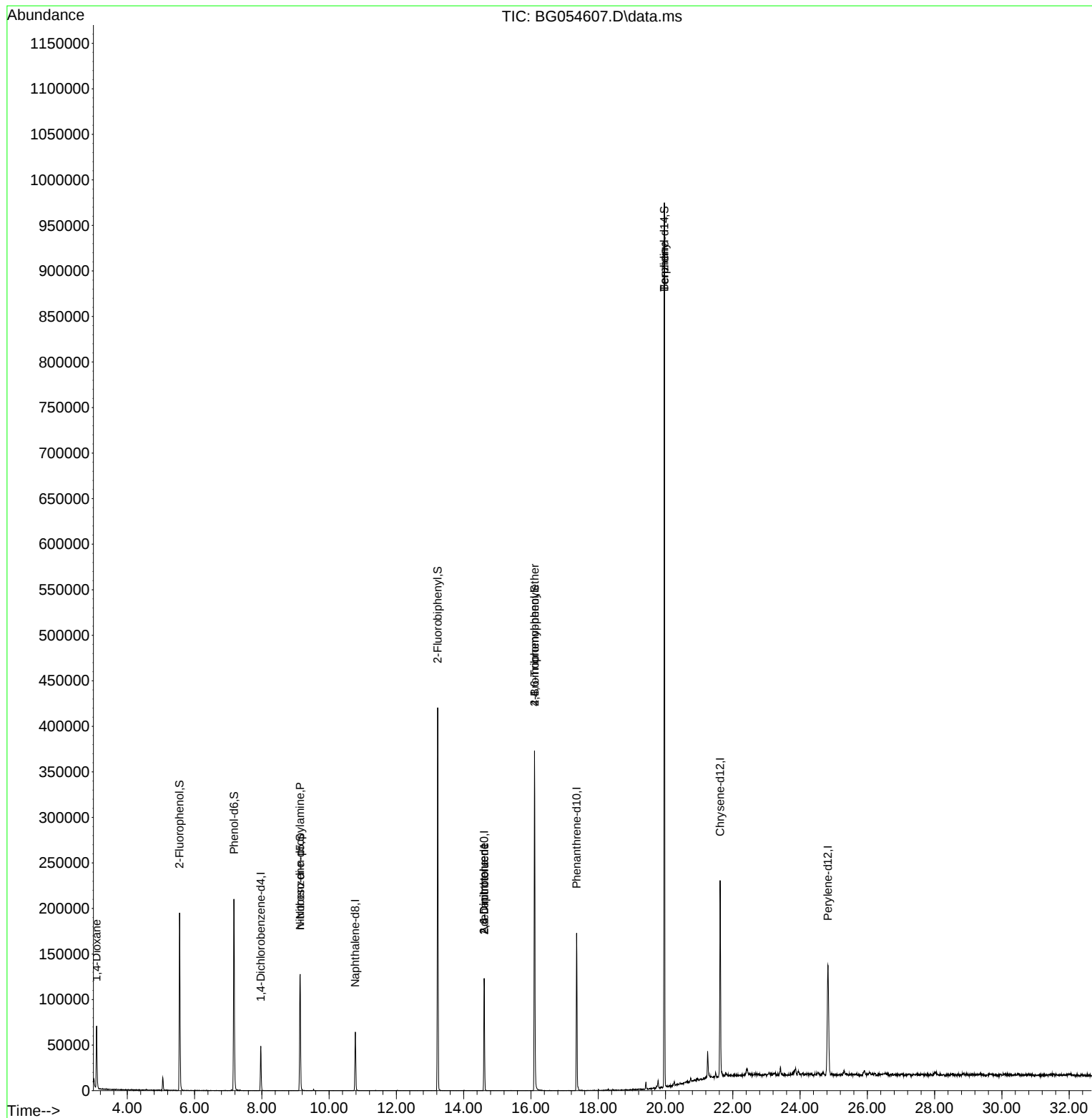
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.970	152	15519	20.000	ng	0.00
21) Naphthalene-d8	10.779	136	60384	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	48253	20.000	ng	0.00
64) Phenanthrene-d10	17.359	188	128266	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	148704	20.000	ng	# 0.00
86) Perylene-d12	24.827	264	152921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.556	112	88468	119.022	ng	0.00
7) Phenol-d6	7.171	99	124947	122.679	ng	0.00
23) Nitrobenzene-d5	9.140	82	84640	76.332	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	105460	104.093	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	246449	72.050	ng	0.00
79) Terphenyl-d14	19.968	244	541005	72.173	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.088	88	790	2.672	ng	# 1
9) Benzaldehyde	7.171	77	72	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.140	70	12274	18.047	ng	# 77
51) 2,6-Dinitrotoluene	14.610	165	6577	7.956	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	6577	5.550	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	6133	3.405	ng	# 1
77) Benizidine	19.968	184	6795	2.523	ng	# 96

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

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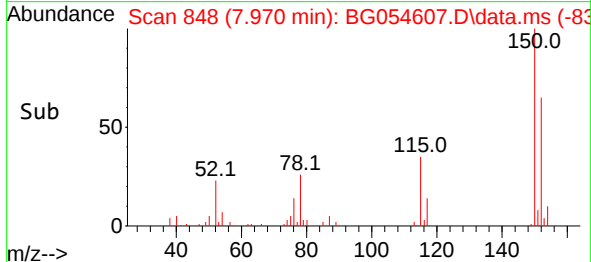
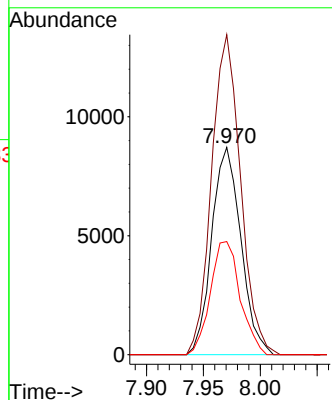
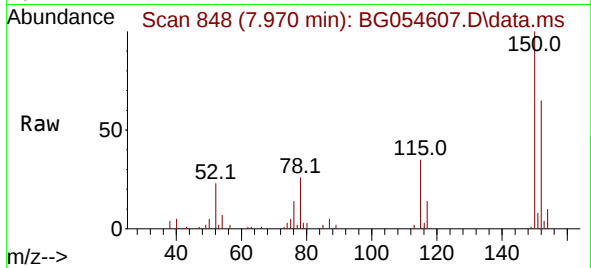




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.970 min Scan# 84
 Delta R.T. -0.002 min
 Lab File: BG054607.D
 Acq: 11 Aug 2022 16:29

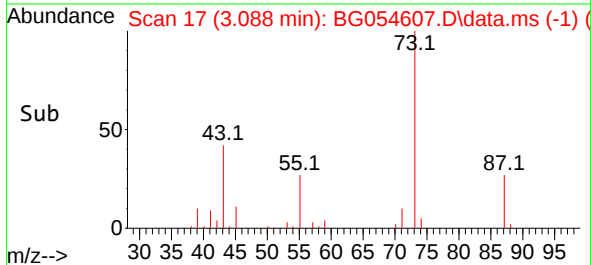
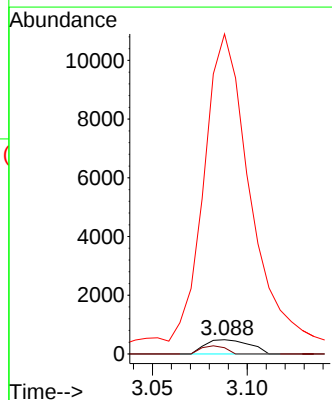
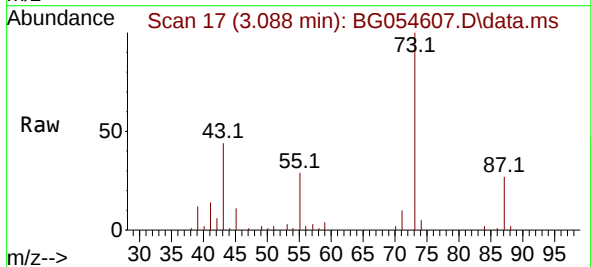
Instrument :
 BNA_G
 ClientSampleId :
 SB09

Tgt Ion:152 Resp: 15519
 Ion Ratio Lower Upper
 152 100
 150 154.4 131.6 197.4
 115 54.6 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.672 ng
 RT: 3.088 min Scan# 17
 Delta R.T. -0.307 min
 Lab File: BG054607.D
 Acq: 11 Aug 2022 16:29

Tgt Ion: 88 Resp: 790
 Ion Ratio Lower Upper
 88 100
 58 31.3 59.2 88.8#
 43 2282.4 24.3 36.5#

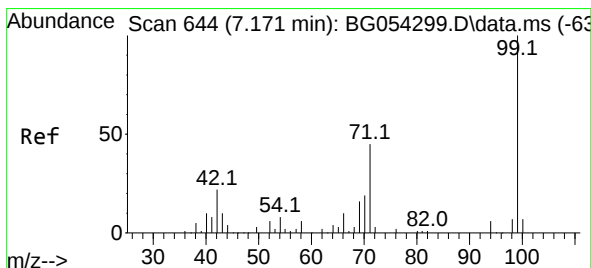
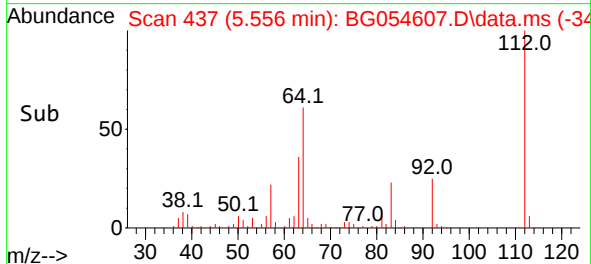
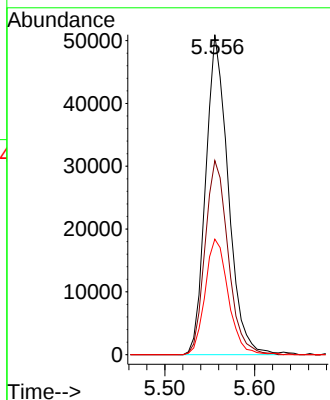
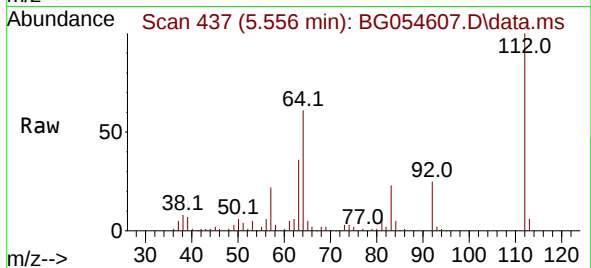




#5
2-Fluorophenol
Concen: 119.022 ng
RT: 5.556 min Scan# 41
Delta R.T. -0.008 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

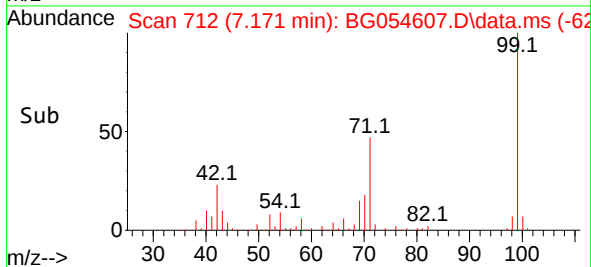
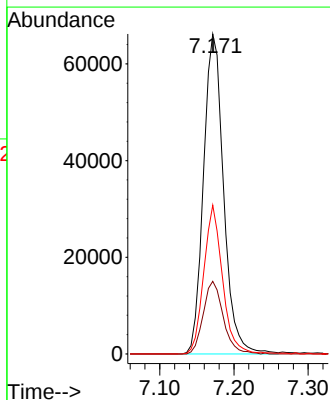
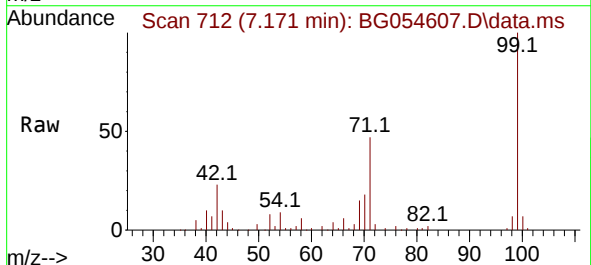
Instrument :
BNA_G
ClientSampleId :
SB09

Tgt Ion:112 Resp: 88468
Ion Ratio Lower Upper
112 100
64 60.7 55.1 82.7
63 36.1 30.4 45.6



#7
Phenol-d6
Concen: 122.679 ng
RT: 7.171 min Scan# 712
Delta R.T. -0.008 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

Tgt Ion: 99 Resp: 124947
Ion Ratio Lower Upper
99 100
42 22.7 17.0 25.6
71 46.5 33.8 50.8





#19

n-Nitroso-di-n-propylamine

Concen: 18.047 ng

RT: 9.140 min Scan# 1

Delta R.T. 0.357 min

Lab File: BG054607.D

Acq: 11 Aug 2022 16:29

Instrument :

BNA_G

ClientSampleId :

SB09

Tgt Ion: 70 Resp: 12274

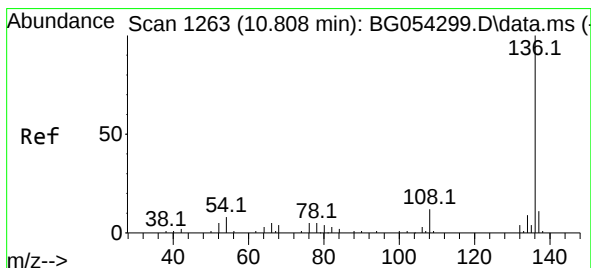
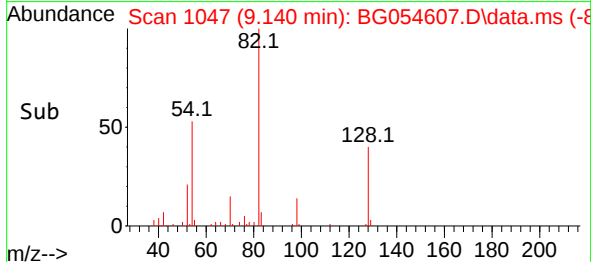
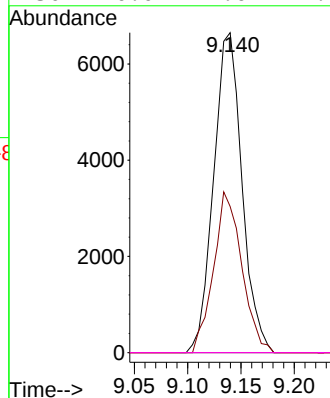
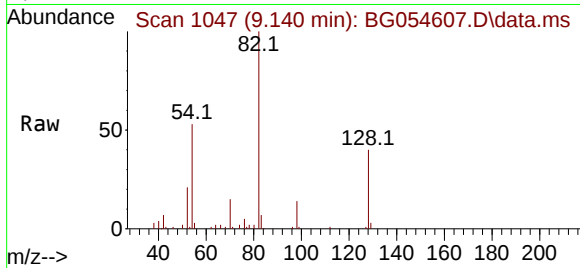
Ion Ratio Lower Upper

70 100

42 45.7 47.3 70.9#

101 0.0 7.0 10.4#

130 0.0 14.6 22.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.779 min Scan# 1326

Delta R.T. -0.008 min

Lab File: BG054607.D

Acq: 11 Aug 2022 16:29

Tgt Ion: 136 Resp: 60384

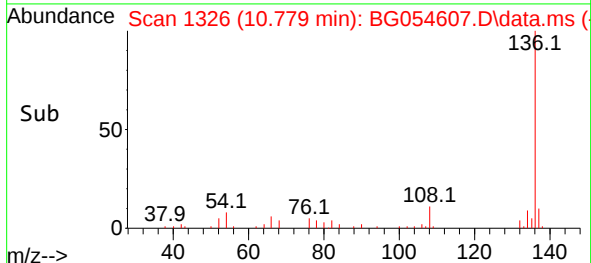
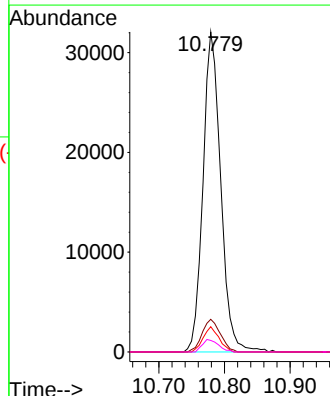
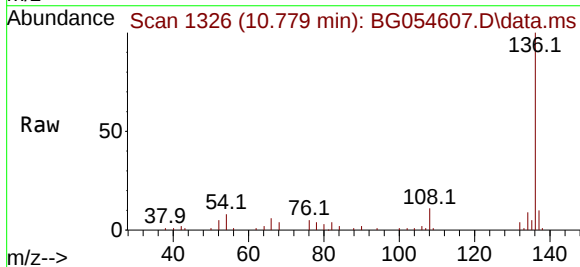
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 7.9 7.4 11.2

68 3.6 4.9 7.3#

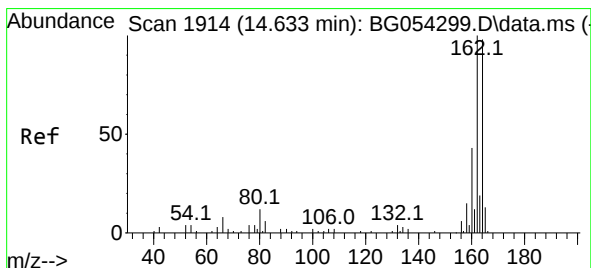
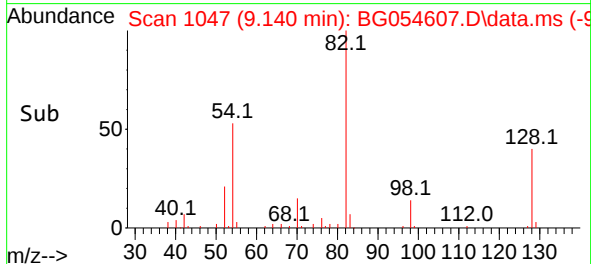
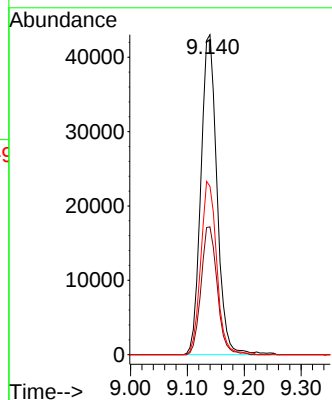
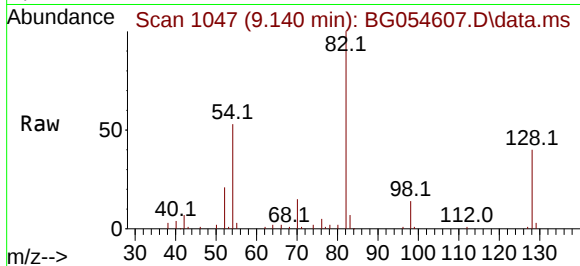




#23
Nitrobenzene-d5
Concen: 76.332 ng
RT: 9.140 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

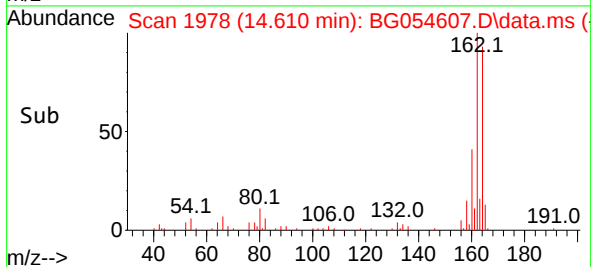
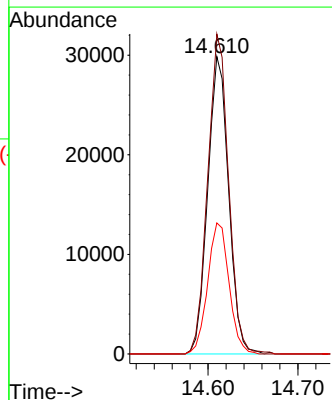
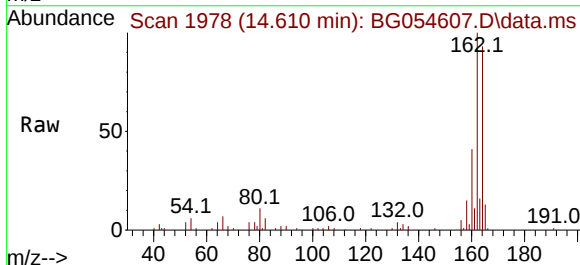
Instrument :
BNA_G
ClientSampleId :
SB09

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	27.9	41.9
54	52.6	41.2	61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.008 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.6	82.3	123.5
160	44.0	34.2	51.2

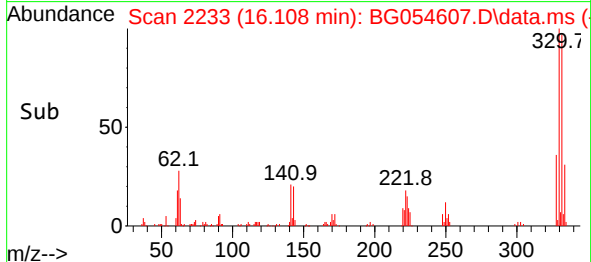
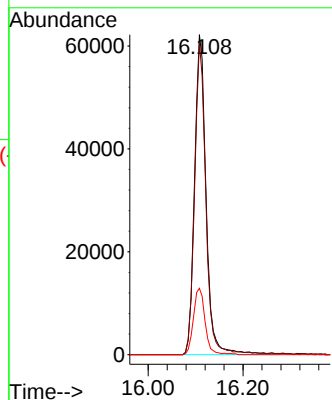
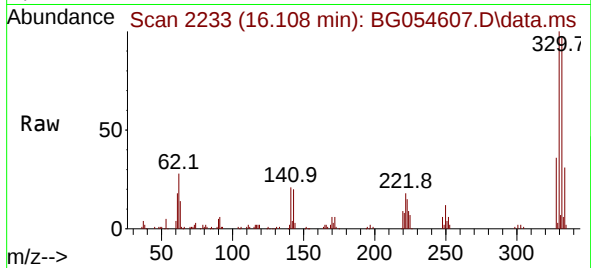




#42
2,4,6-Tribromophenol
Concen: 104.093 ng
RT: 16.108 min Scan# 2168
Delta R.T. -0.008 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

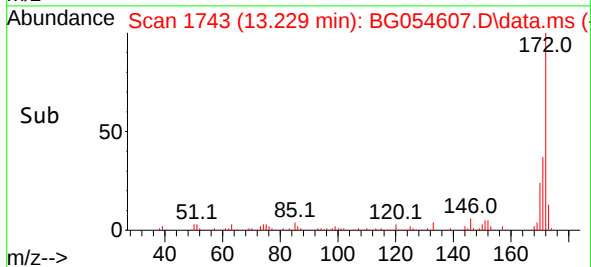
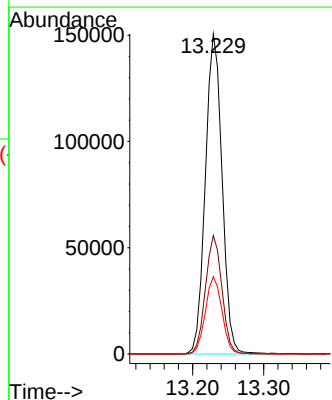
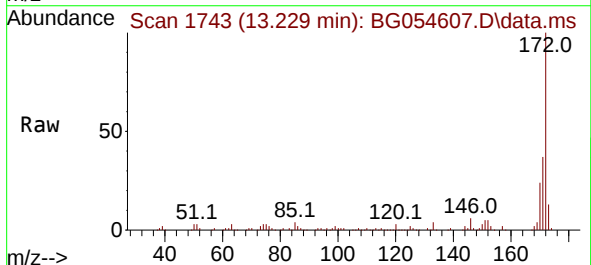
Instrument :
BNA_G
ClientSampleId :
SB09

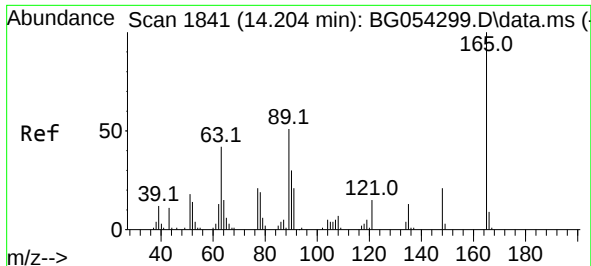
Tgt Ion:330 Resp: 105460
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 20.9 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 72.050 ng
RT: 13.229 min Scan# 1743
Delta R.T. -0.008 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

Tgt Ion:172 Resp: 246449
Ion Ratio Lower Upper
172 100
171 37.1 28.5 42.7
170 24.1 18.9 28.3

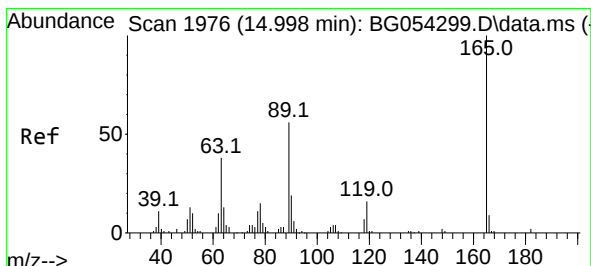
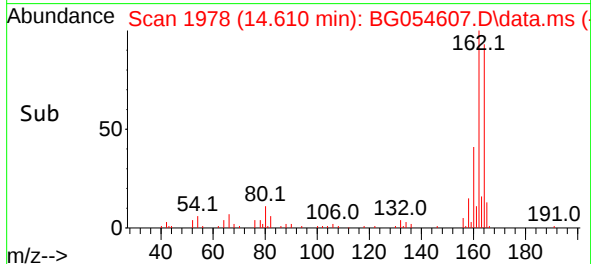
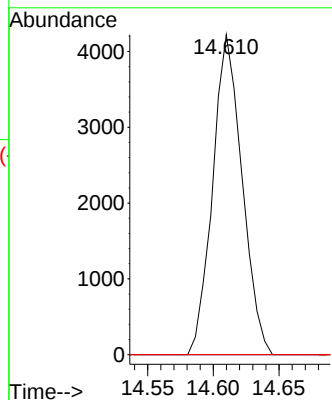
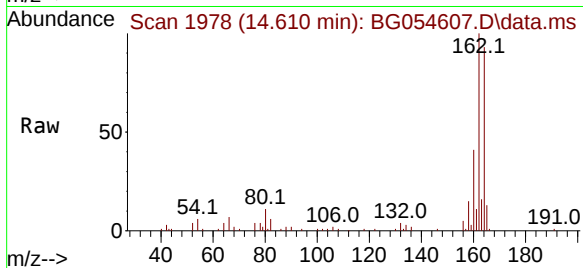




#51
2,6-Dinitrotoluene
Concen: 7.956 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

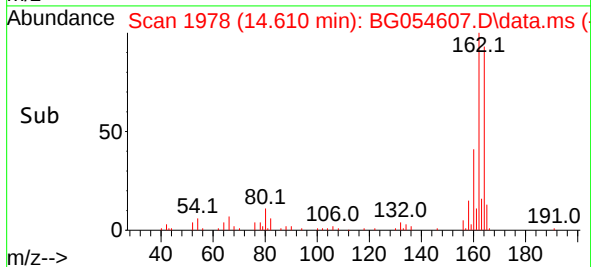
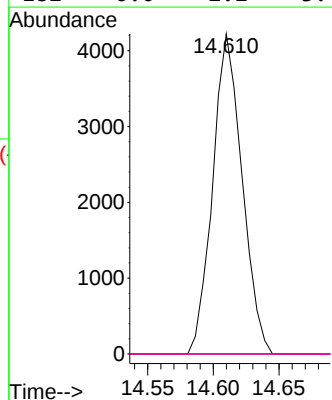
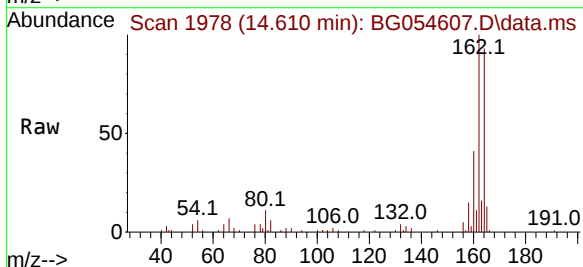
Instrument :
BNA_G
ClientSampleId :
SB09

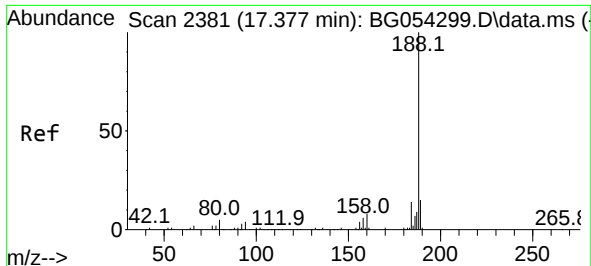
Tgt Ion:165 Resp: 6577
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.550 ng
RT: 14.610 min Scan# 1978
Delta R.T. -0.384 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

Tgt Ion:165 Resp: 6577
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#

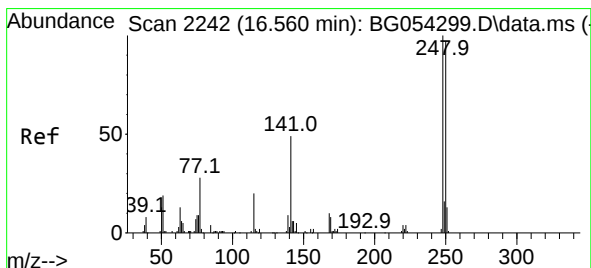
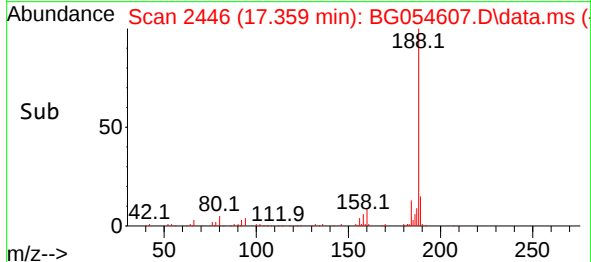
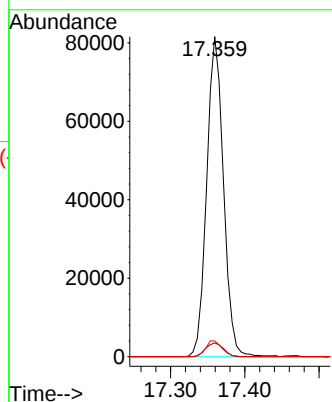
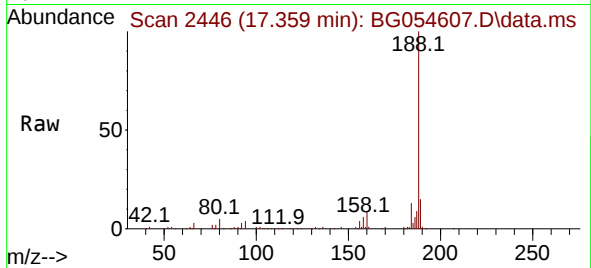




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

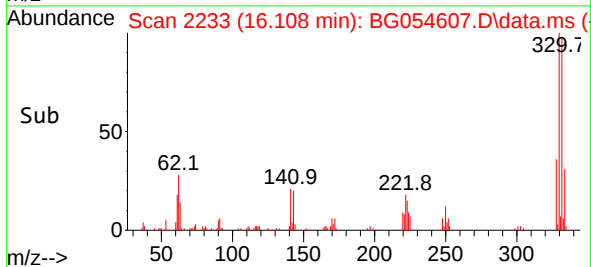
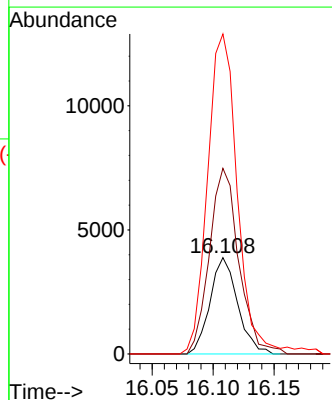
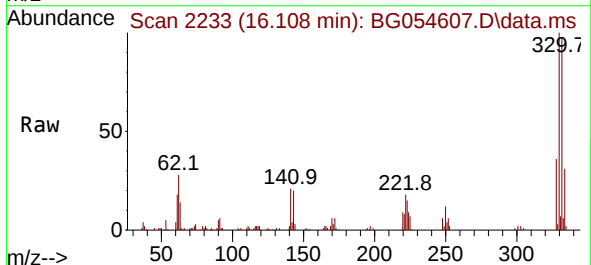
Instrument :
BNA_G
ClientSampleId :
SB09

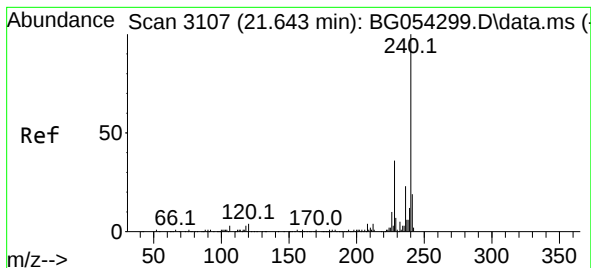
Tgt Ion:188 Resp: 128266
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 4.9 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.405 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.437 min
Lab File: BG054607.D
Acq: 11 Aug 2022 16:29

Tgt Ion:248 Resp: 6133
Ion Ratio Lower Upper
248 100
250 192.9 75.2 112.8#
141 332.5 50.0 75.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.625 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG054607.D

Acq: 11 Aug 2022 16:29

Instrument :

BNA_G

ClientSampleId :

SB09

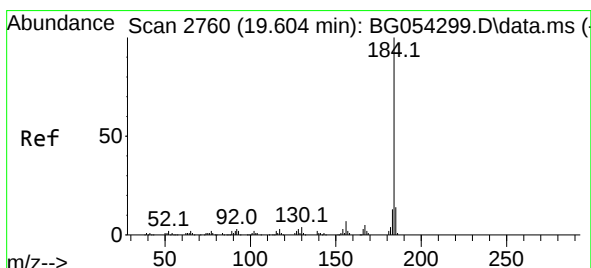
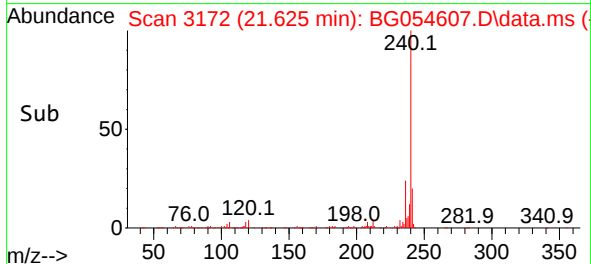
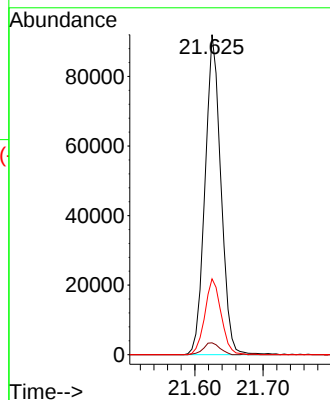
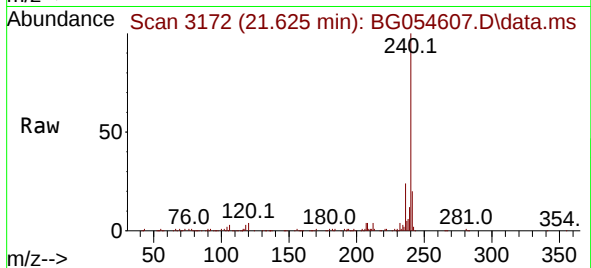
Tgt Ion:240 Resp: 148704

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 23.7 20.2 30.4



#77

Benzidine

Concen: 2.523 ng

RT: 19.968 min Scan# 2890

Delta R.T. 0.374 min

Lab File: BG054607.D

Acq: 11 Aug 2022 16:29

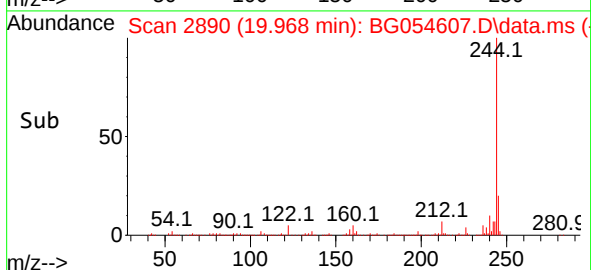
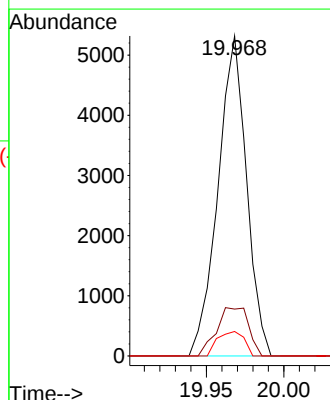
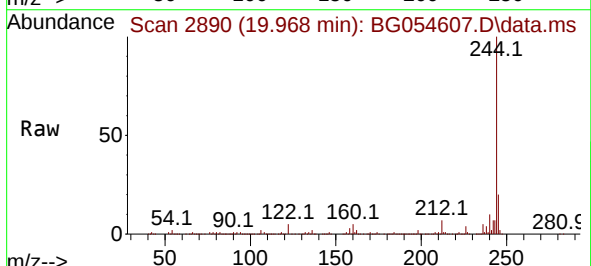
Tgt Ion:184 Resp: 6795

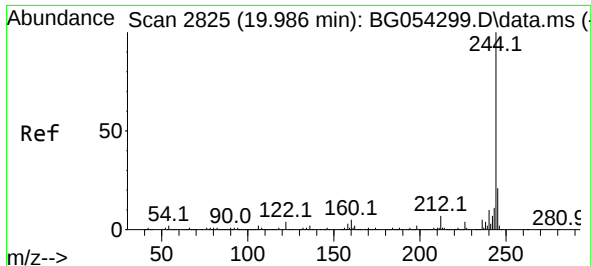
Ion Ratio Lower Upper

184 100

185 14.7 11.8 17.6

183 7.6 8.9 13.3#

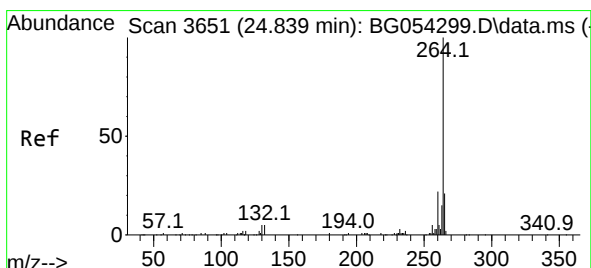
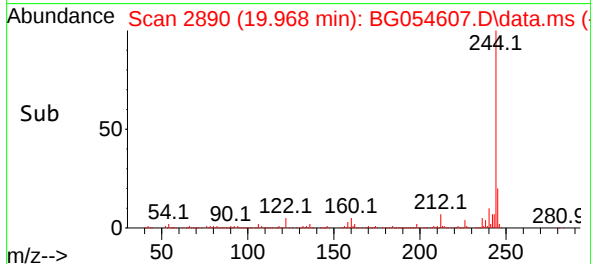
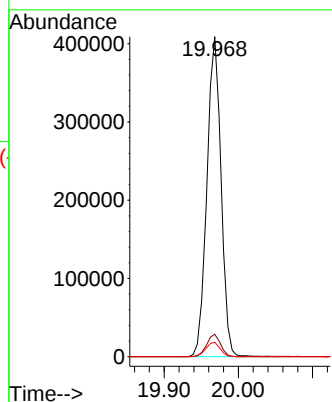
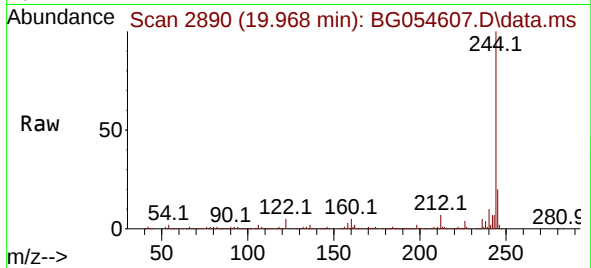




#79
 Terphenyl-d14
 Concen: 72.173 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054607.D
 Acq: 11 Aug 2022 16:29

Instrument :
 BNA_G
 ClientSampleId :
 SB09

Tgt Ion:244 Resp: 541005
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.5 5.0 7.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.827 min Scan# 3717
 Delta R.T. -0.008 min
 Lab File: BG054607.D
 Acq: 11 Aug 2022 16:29

Tgt Ion:264 Resp: 152921
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.6
 265 22.0 17.4 26.2

