

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052522\
 Data File : BG053709.D
 Acq On : 26 May 2022 1:04
 Operator : CG/JU
 Sample : N2893-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P004-SS004-0006-01

Quant Time: May 26 02:53:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

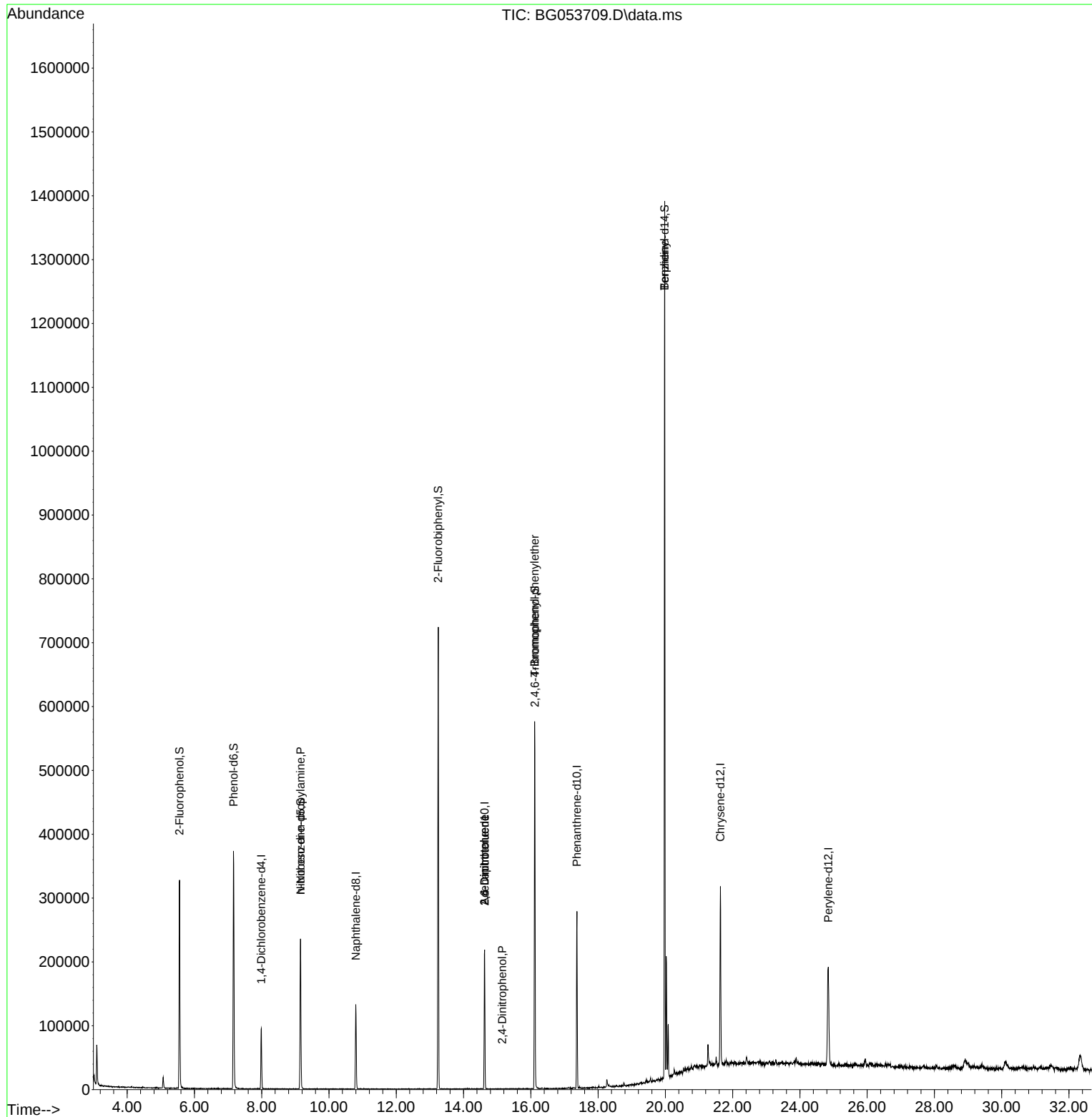
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.990	152	26253	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	105139	20.000	ng	0.00
39) Acenaphthene-d10	14.628	164	79393	20.000	ng	0.00
64) Phenanthrene-d10	17.371	188	175258	20.000	ng	0.00
76) Chrysene-d12	21.636	240	169008	20.000	ng	0.00
86) Perylene-d12	24.843	264	174241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.558	112	135434	87.552	ng	0.00
7) Phenol-d6	7.161	99	213148	90.792	ng	0.00
23) Nitrobenzene-d5	9.153	82	146418	59.281	ng	0.00
42) 2,4,6-Tribromophenol	16.120	330	117133	100.032	ng	0.00
45) 2-Fluorobiphenyl	13.247	172	372332	68.530	ng	0.00
79) Terphenyl-d14	19.979	244	658811	72.601	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.153	70	21203	12.588	ng	# 79
51) 2,6-Dinitrotoluene	14.628	165	10180	8.282	ng	# 16
54) 2,4-Dinitrophenol	15.151	184	65	6.321	ng	# 11
57) 2,4-Dinitrotoluene	14.628	165	10180	5.714	ng	# 21
67) 4-Bromophenyl-phenylether	16.114	248	7454	3.642	ng	# 1
77) Benzidine	19.979	184	11645	3.197	ng	# 94

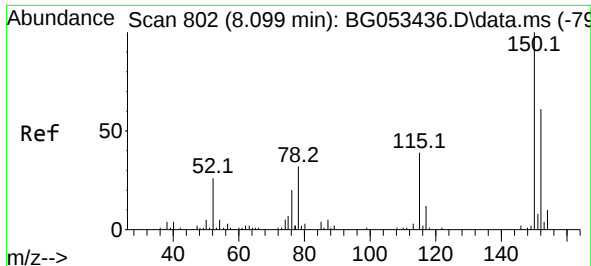
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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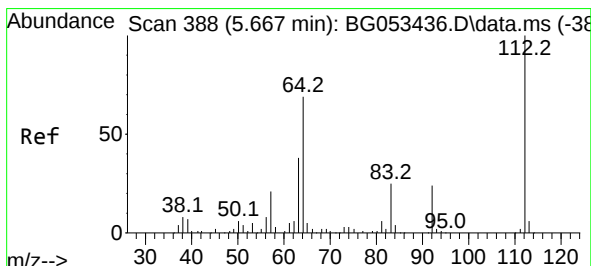
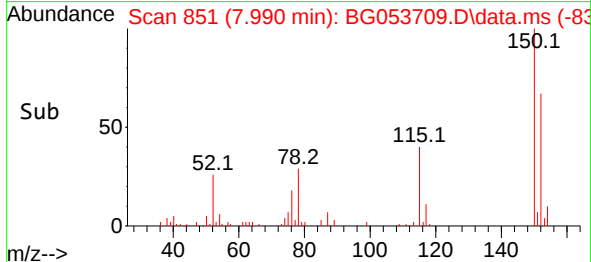
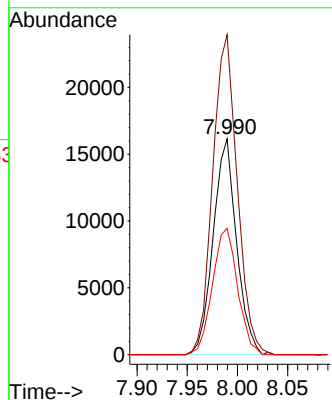
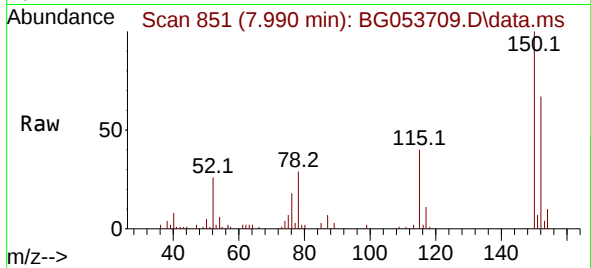




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.990 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

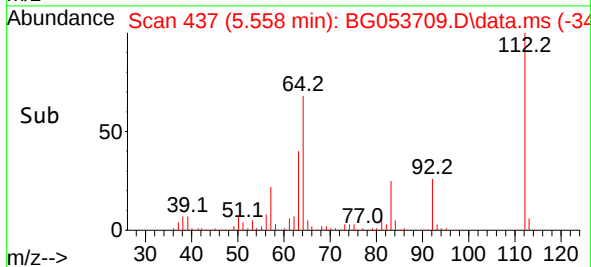
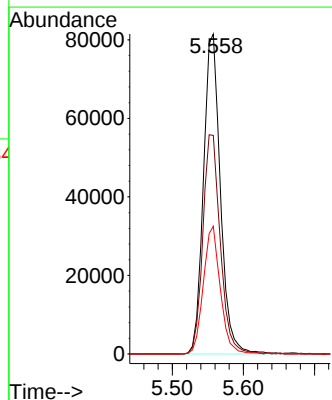
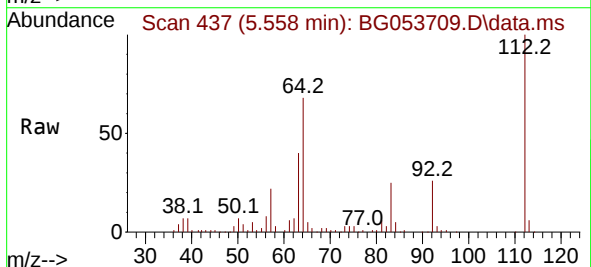
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

Tgt Ion:152 Resp: 26253
Ion Ratio Lower Upper
152 100
150 148.3 131.6 197.4
115 58.6 50.9 76.3



#5
2-Fluorophenol
Concen: 87.552 ng
RT: 5.558 min Scan# 437
Delta R.T. 0.003 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion:112 Resp: 135434
Ion Ratio Lower Upper
112 100
64 68.3 55.1 82.7
63 39.9 30.4 45.6

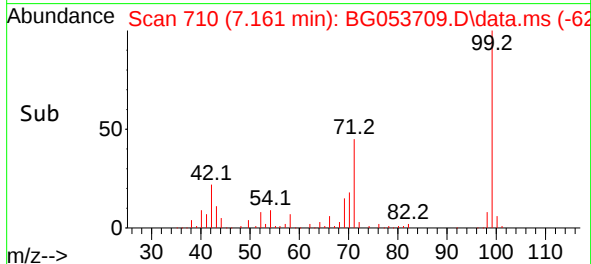
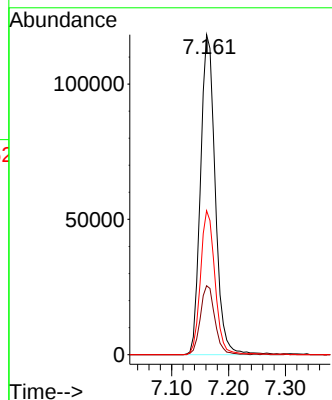
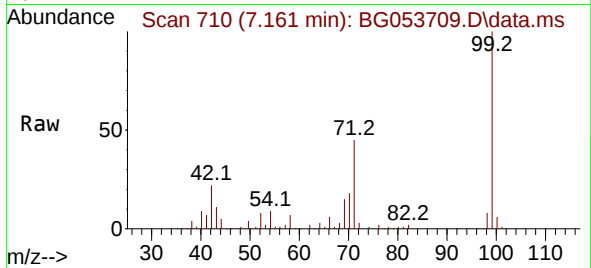




#7
Phenol-d6
Concen: 90.792 ng
RT: 7.161 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

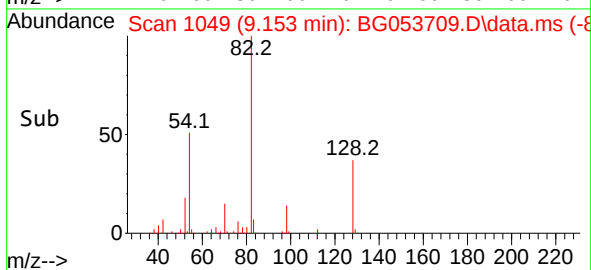
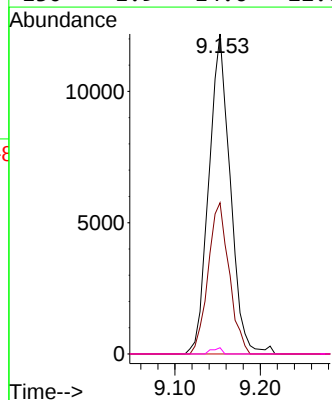
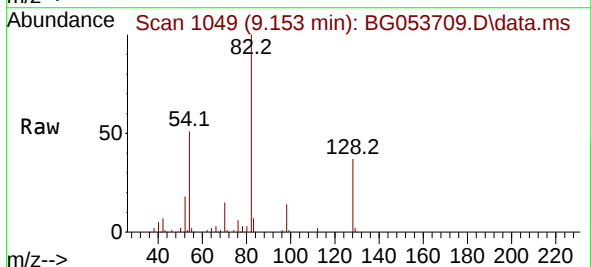
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

Tgt Ion: 99 Resp: 213148
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 45.0 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.588 ng
RT: 9.153 min Scan# 1049
Delta R.T. 0.356 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion: 70 Resp: 21203
Ion Ratio Lower Upper
70 100
42 47.2 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#

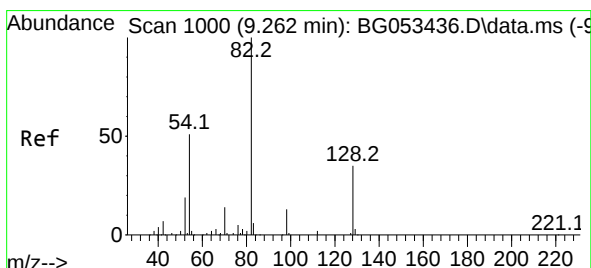
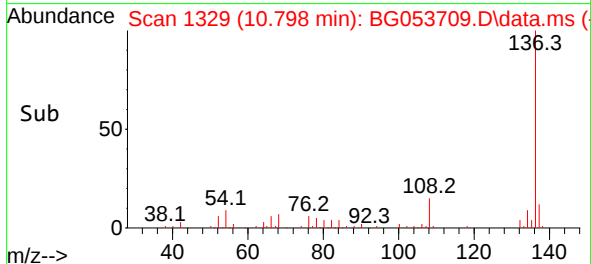
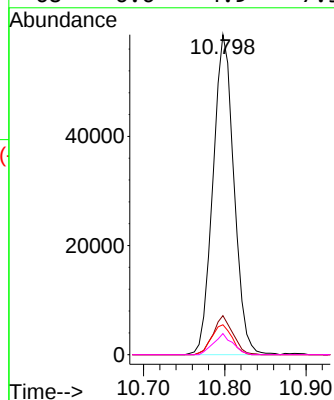
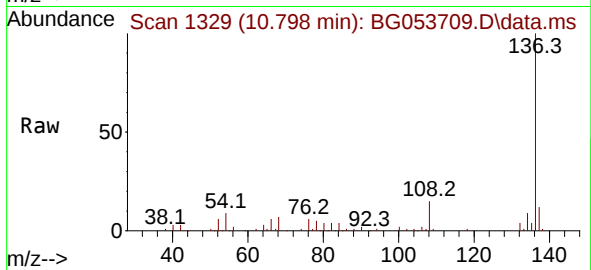




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 11
Delta R.T. -0.002 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

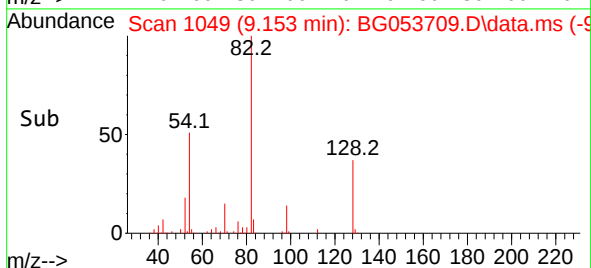
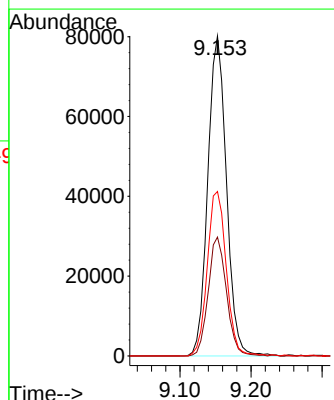
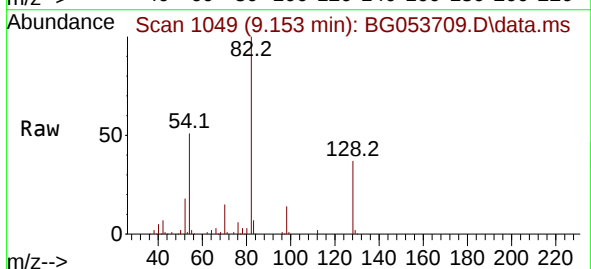
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

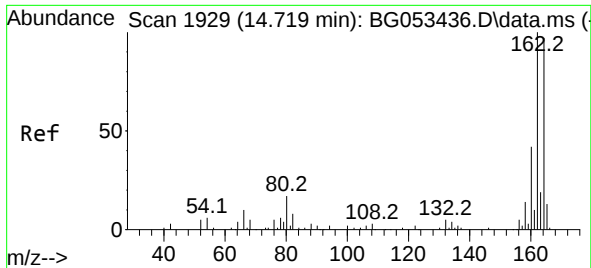
Tgt Ion:	136	Resp:	105139
Ion Ratio	Lower	Upper	
136	100		
137	12.2	8.5	12.7
54	9.4	7.4	11.2
68	6.6	4.9	7.3



#23
Nitrobenzene-d5
Concen: 59.281 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.002 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

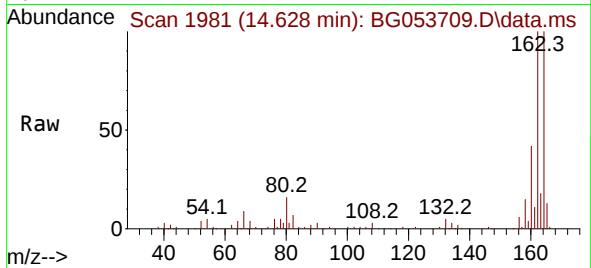
Tgt Ion:	82	Resp:	146418
Ion Ratio	Lower	Upper	
82	100		
128	37.1	27.9	41.9
54	51.4	41.2	61.8



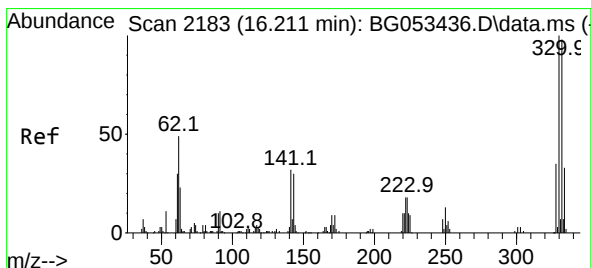
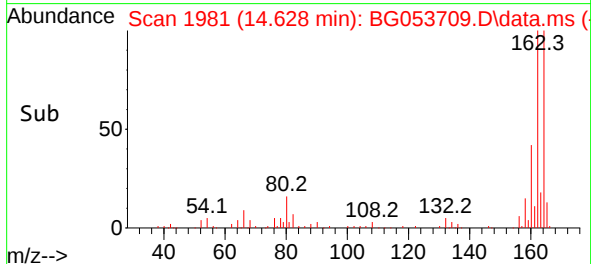
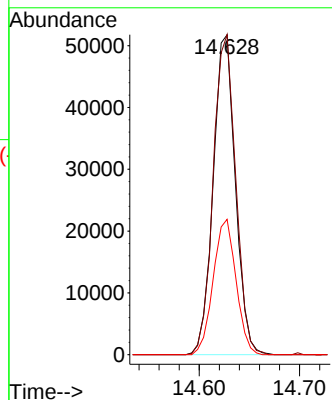


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.628 min Scan# 1929
Delta R.T. 0.003 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

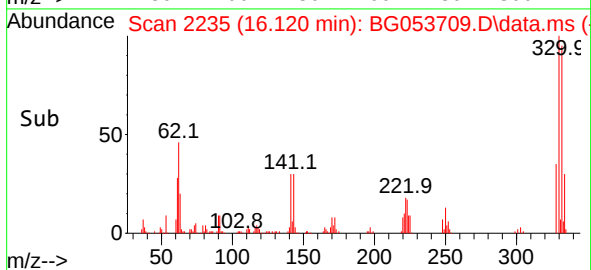
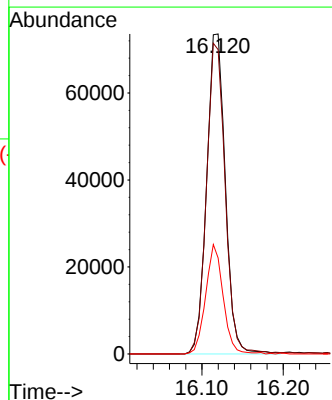
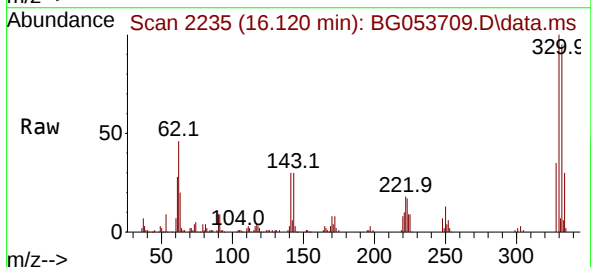


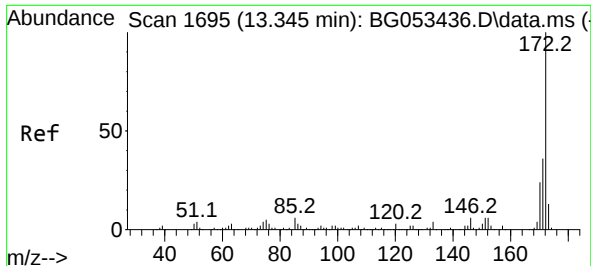
Tgt Ion:164 Resp: 79393
Ion Ratio Lower Upper
164 100
162 100.0 82.3 123.5
160 42.3 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 100.032 ng
RT: 16.120 min Scan# 2235
Delta R.T. 0.003 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion:330 Resp: 117133
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 32.2 27.1 40.7

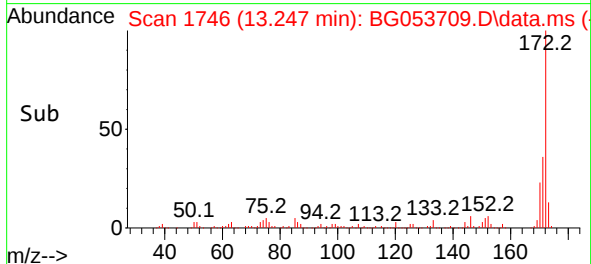
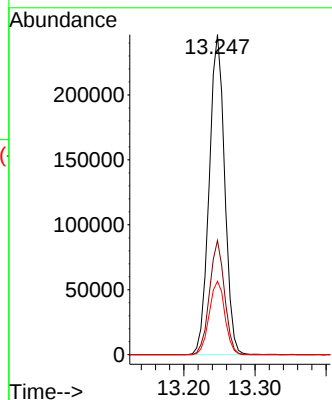
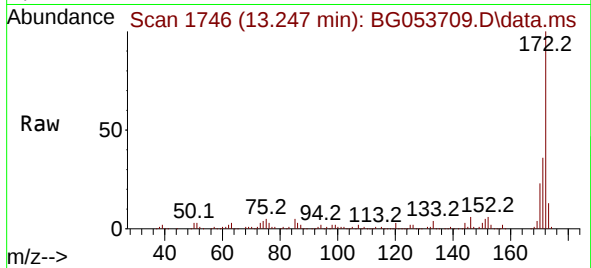




#45
2-Fluorobiphenyl
Concen: 68.530 ng
RT: 13.247 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

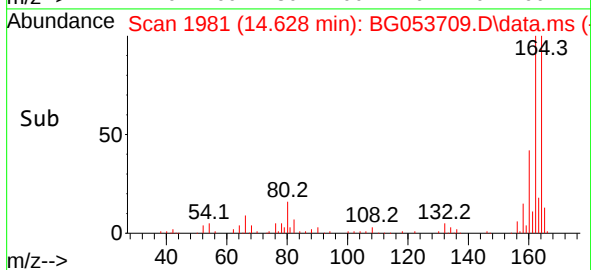
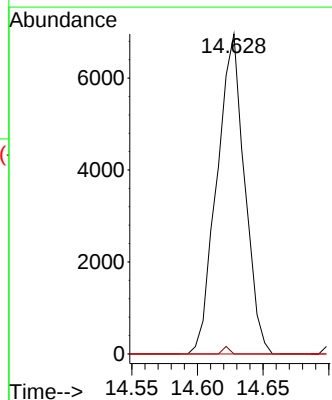
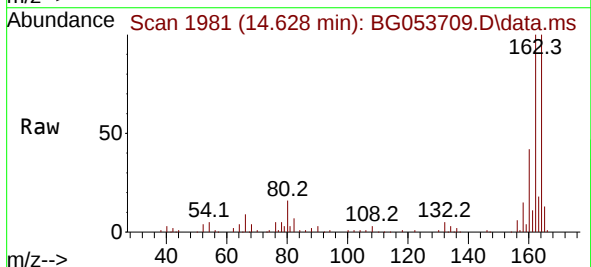
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

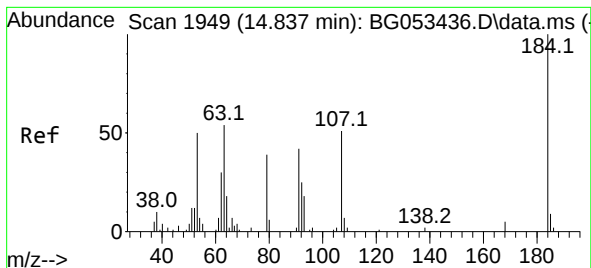
Tgt Ion:172 Resp: 372332
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.282 ng
RT: 14.628 min Scan# 1981
Delta R.T. 0.426 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion:165 Resp: 10180
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

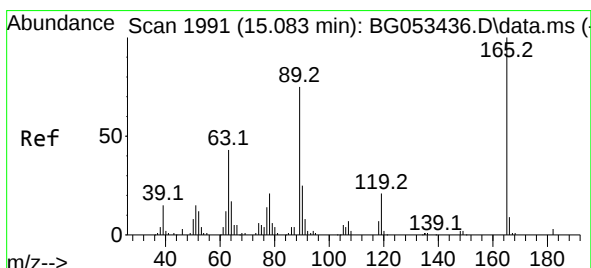
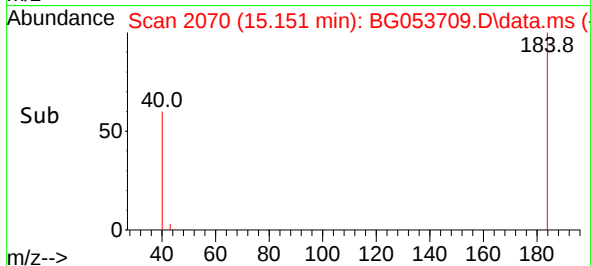
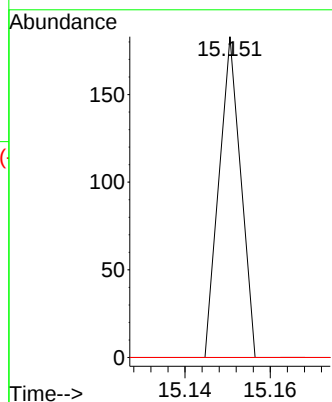
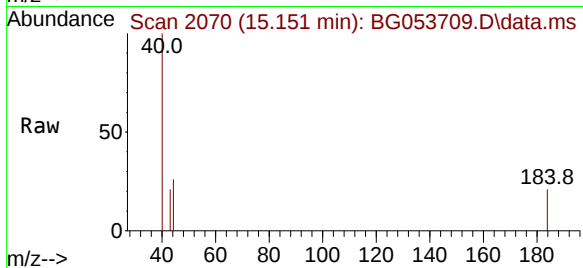




#54
2,4-Dinitrophenol
Concen: 6.321 ng
RT: 15.151 min Scan# 20
Delta R.T. 0.397 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

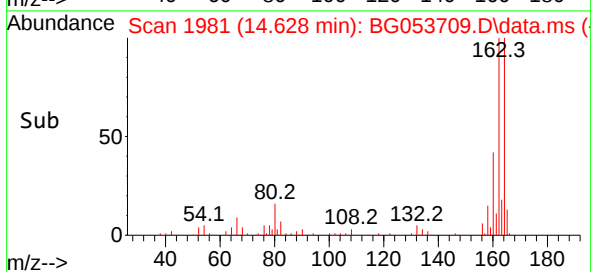
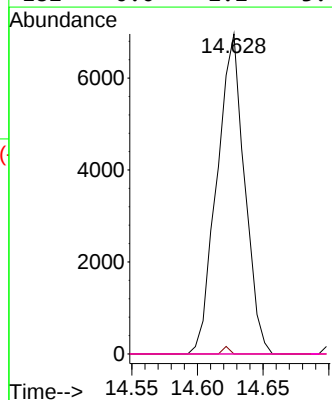
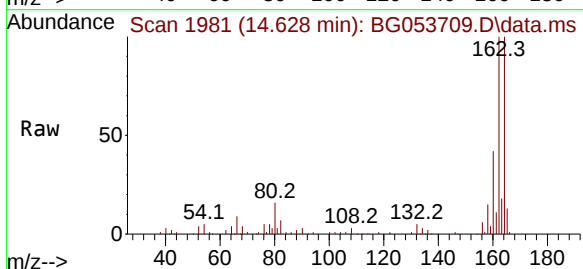
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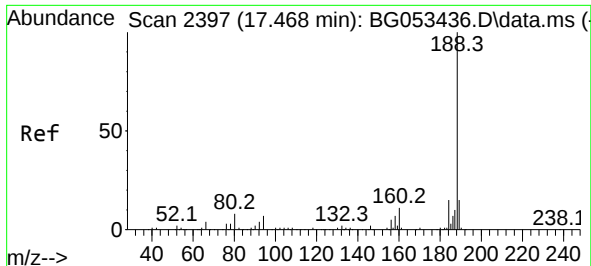
Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 61.1 91.7#
154 0.0 60.6 91.0#



#57
2,4-Dinitrotoluene
Concen: 5.714 ng
RT: 14.628 min Scan# 1981
Delta R.T. -0.367 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion:165 Resp: 10180
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#

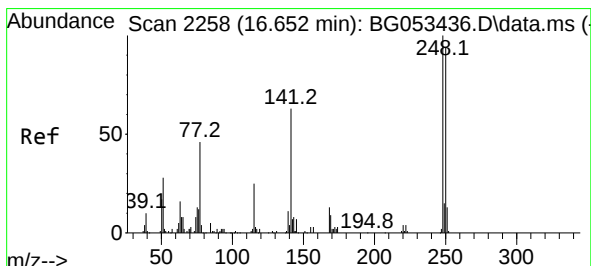
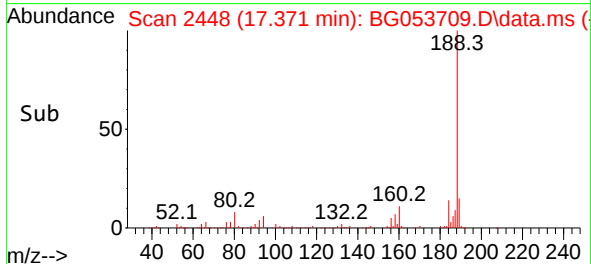
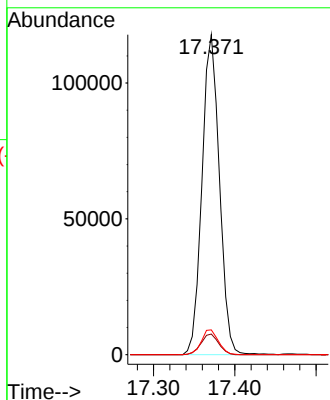
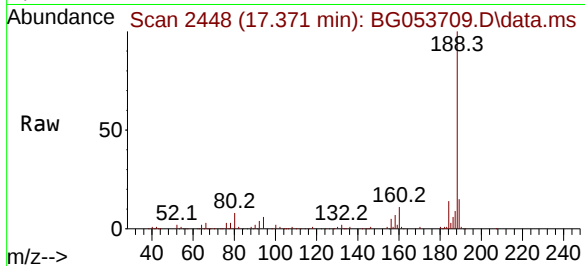




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.371 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

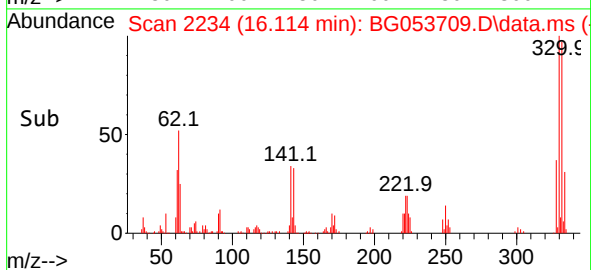
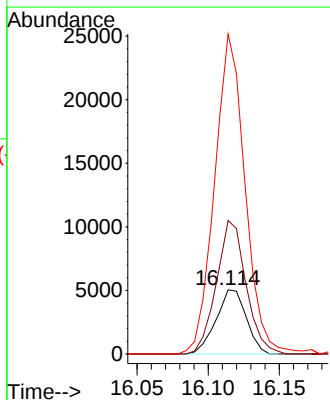
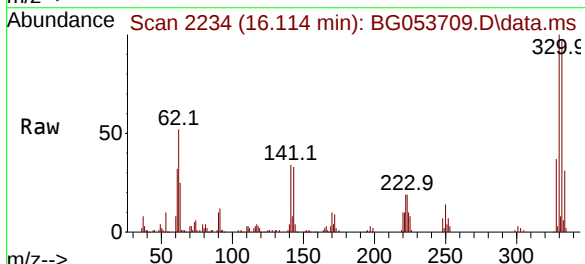
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

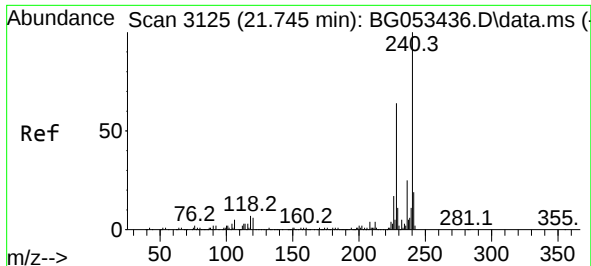
Tgt Ion:188 Resp: 175258
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 7.8 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.642 ng
RT: 16.114 min Scan# 2234
Delta R.T. -0.437 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

Tgt Ion:248 Resp: 7454
Ion Ratio Lower Upper
248 100
250 208.0 75.2 112.8#
141 498.9 50.0 75.0#

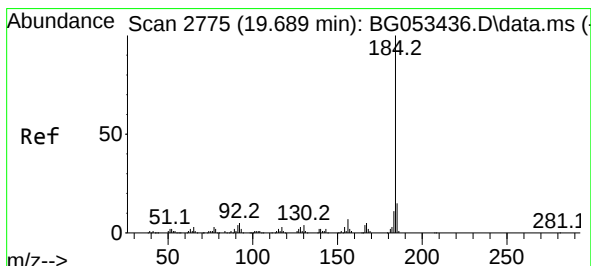
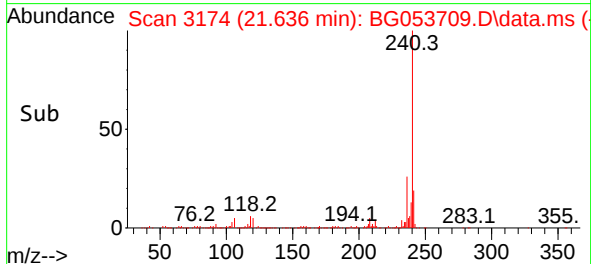
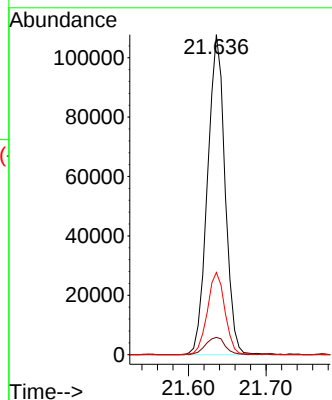
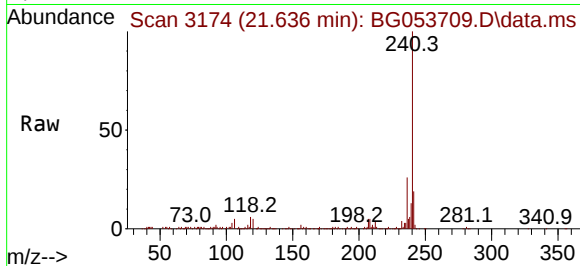




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.636 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

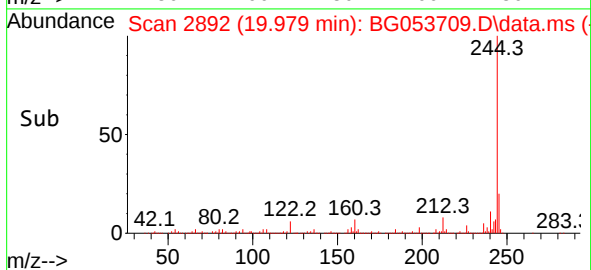
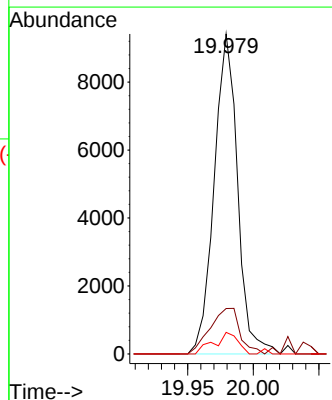
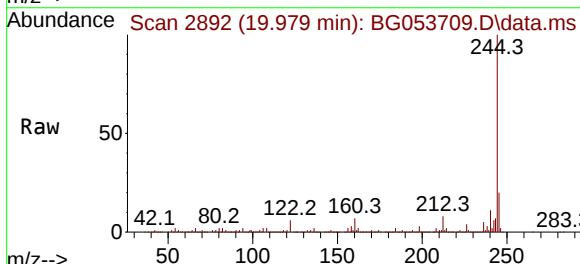
Instrument :
BNA_G
ClientSampleId :
P004-SS004-0006-01

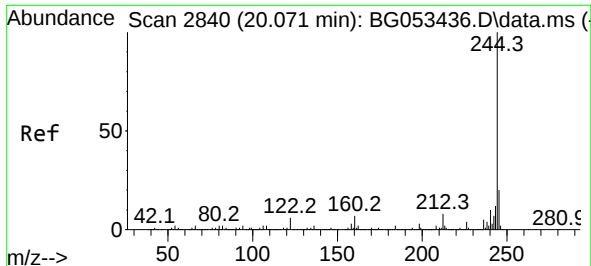
Tgt Ion:240 Resp: 169008
Ion Ratio Lower Upper
240 100
120 5.4 4.6 7.0
236 25.7 20.2 30.4



#77
Benzidine
Concen: 3.197 ng
RT: 19.979 min Scan# 2892
Delta R.T. 0.379 min
Lab File: BG053709.D
Acq: 26 May 2022 1:04

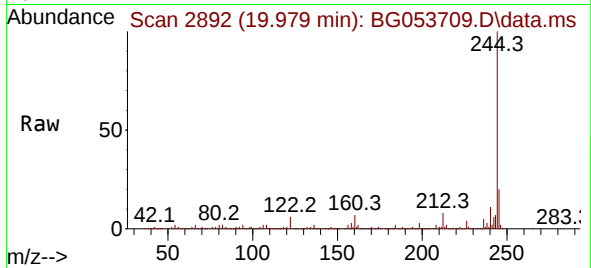
Tgt Ion:184 Resp: 11645
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.6
183 6.7 8.9 13.3#



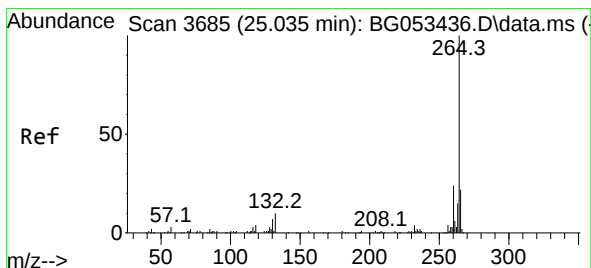
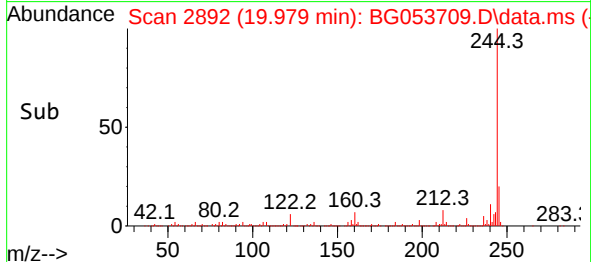
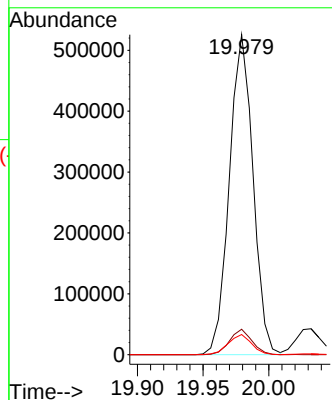


#79
 Terphenyl-d14
 Concen: 72.601 ng
 RT: 19.979 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG053709.D
 Acq: 26 May 2022 1:04

Instrument :
 BNA_G
 ClientSampleId :
 P004-SS004-0006-01



Tgt Ion:244 Resp: 658811
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 6.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.843 min Scan# 3720
 Delta R.T. 0.003 min
 Lab File: BG053709.D
 Acq: 26 May 2022 1:04

Tgt Ion:264 Resp: 174241
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 21.7 17.4 26.2

