

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042322\
 Data File : BG053298.D
 Acq On : 23 Apr 2022 18:17
 Operator : CG/JU
 Sample : N2525-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-02-042122

Quant Time: Apr 24 02:50:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

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

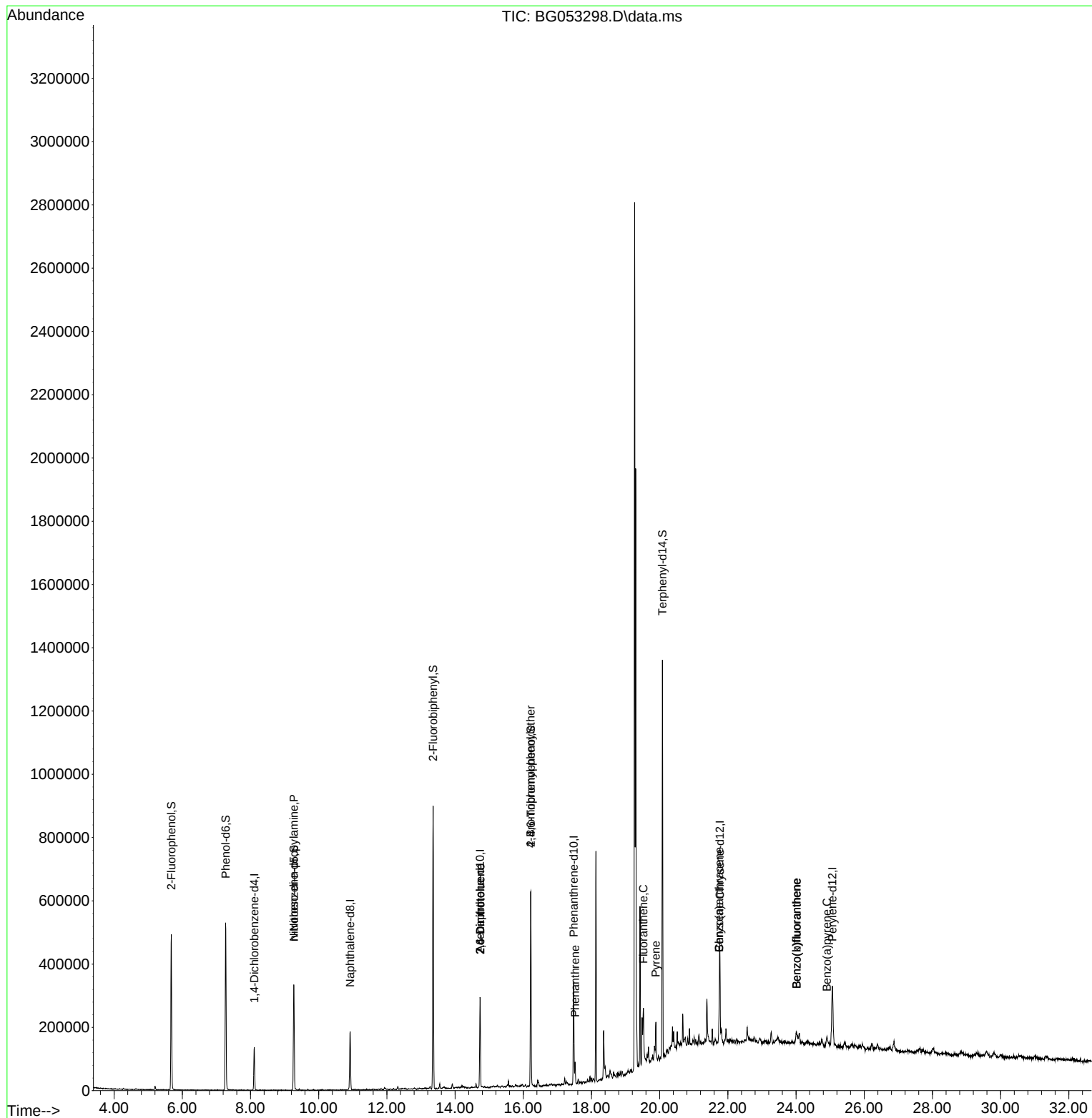
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.111	152	38623	20.000	ng	0.00
21) Naphthalene-d8	10.925	136	152751	20.000	ng	# 0.00
39) Acenaphthene-d10	14.731	164	104295	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	211708	20.000	ng	0.00
76) Chrysene-d12	21.763	240	188569	20.000	ng	0.00
86) Perylene-d12	25.064	264	198635	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.679	112	207794	92.224	ng	0.00
7) Phenol-d6	7.271	99	307869	88.606	ng	0.00
23) Nitrobenzene-d5	9.274	82	220103	58.507	ng	0.00
42) 2,4,6-Tribromophenol	16.223	330	130354	78.560	ng	0.00
45) 2-Fluorobiphenyl	13.357	172	473544	62.608	ng	0.00
79) Terphenyl-d14	20.083	244	630557	56.475	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.274	70	30252	11.893	ng	# 77
51) 2,6-Dinitrotoluene	14.737	165	14629	8.406	ng	# 26
57) 2,4-Dinitrotoluene	14.737	165	14629	5.904	ng	# 24
67) 4-Bromophenyl-phenylether	16.218	248	8557	3.154	ng	# 1
71) Phenanthrene	17.522	178	44324	3.833	ng	95
75) Fluoranthene	19.525	202	75185	5.072	ng	98
78) Pyrene	19.889	202	75295	5.607	ng	96
81) Benzo(a)anthracene	21.745	228	40534	3.144	ng	99
83) Chrysene	21.745	228	40534	3.388	ng	96
88) Benzo(b)fluoranthene	24.019	252	44851	3.579	ng	# 86
89) Benzo(k)fluoranthene	24.019	252	44851	3.641	ng	# 86
90) Benzo(a)pyrene	24.906	252	34869	3.266	ng	# 97

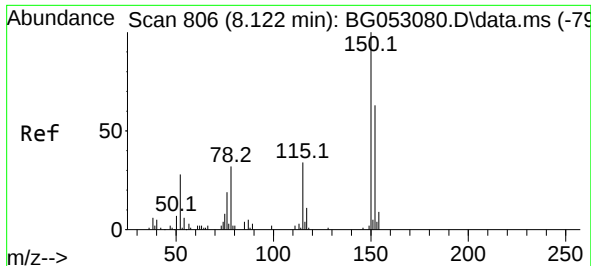
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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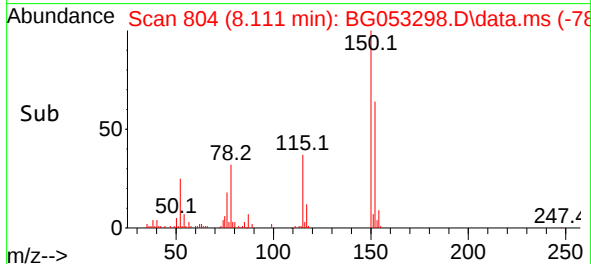
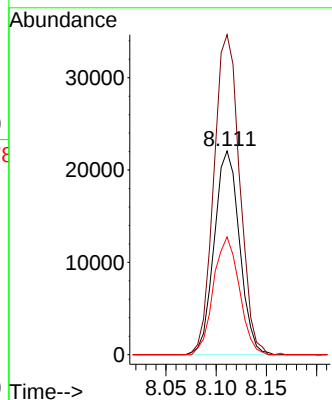
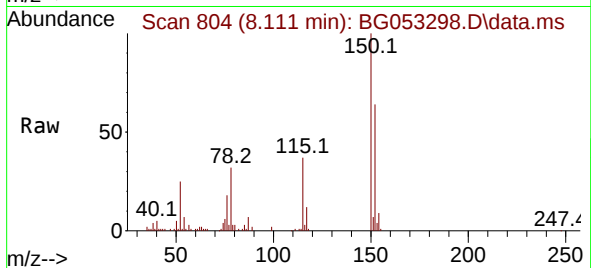




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.111 min Scan# 806
Delta R.T. -0.002 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

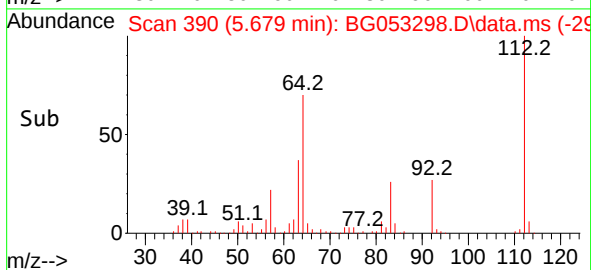
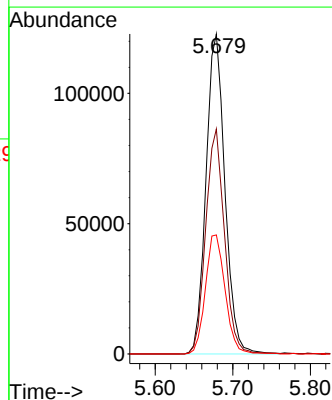
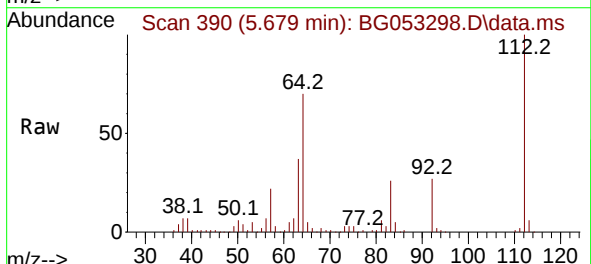
Instrument :
BNA_G
ClientSampleId :
HR-02-042122

Tgt Ion:152 Resp: 38623
Ion Ratio Lower Upper
152 100
150 157.2 114.6 172.0
115 57.8 45.9 68.9



#5
2-Fluorophenol
Concen: 92.224 ng
RT: 5.679 min Scan# 390
Delta R.T. 0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:112 Resp: 207794
Ion Ratio Lower Upper
112 100
64 70.3 48.0 72.0
63 37.2 26.5 39.7

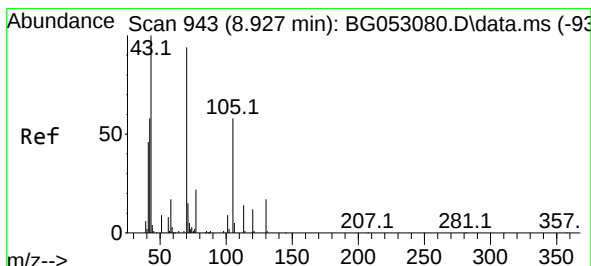
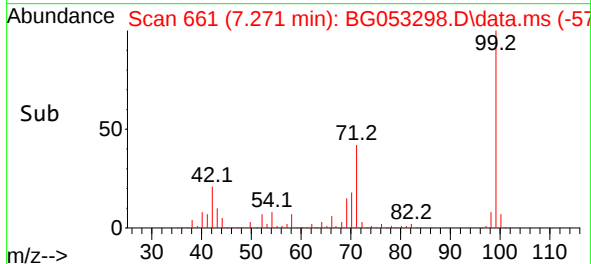
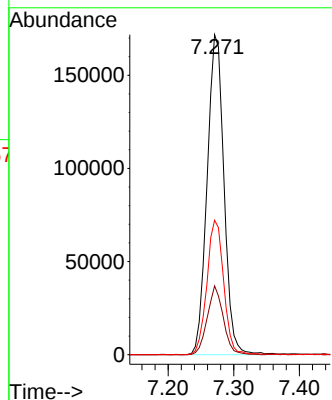
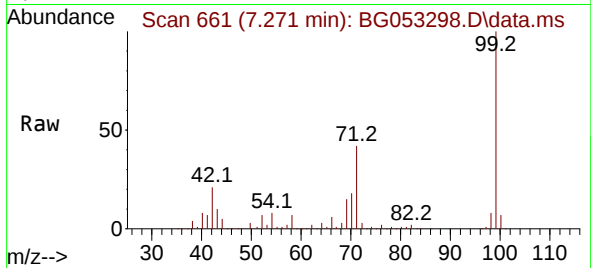




#7
Phenol-d6
Concen: 88.606 ng
RT: 7.271 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

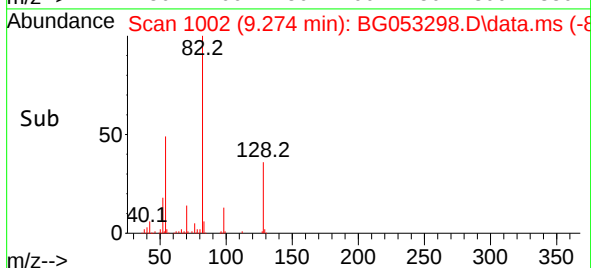
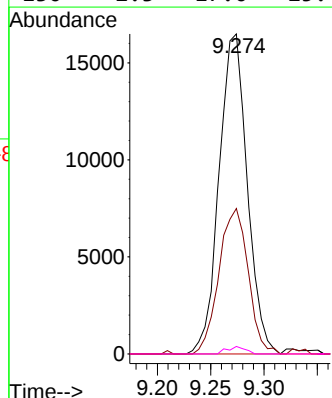
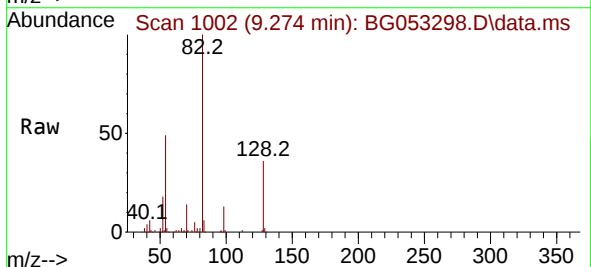
Instrument :
BNA_G
ClientSampleId :
HR-02-042122

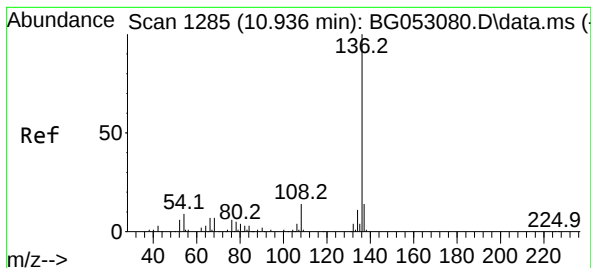
Tgt Ion: 99 Resp: 307869
Ion Ratio Lower Upper
99 100
42 21.5 14.7 22.1
71 42.0 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.893 ng
RT: 9.274 min Scan# 1002
Delta R.T. 0.362 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion: 70 Resp: 30252
Ion Ratio Lower Upper
70 100
42 45.5 46.0 69.0#
101 0.0 6.2 9.4#
130 2.3 17.0 25.4#

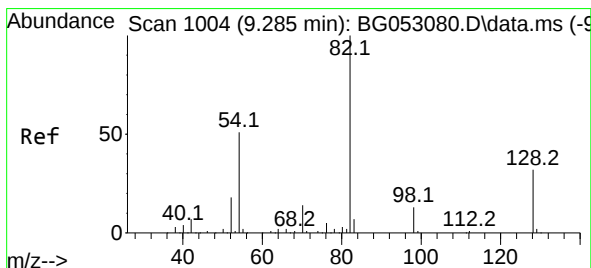
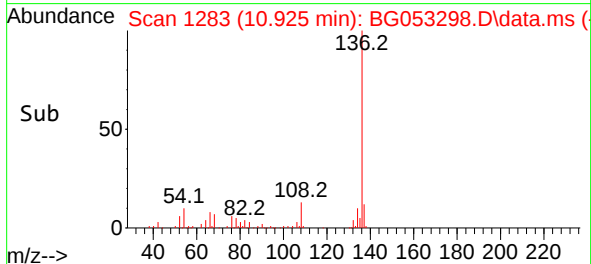
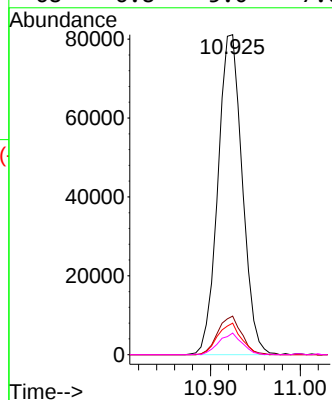
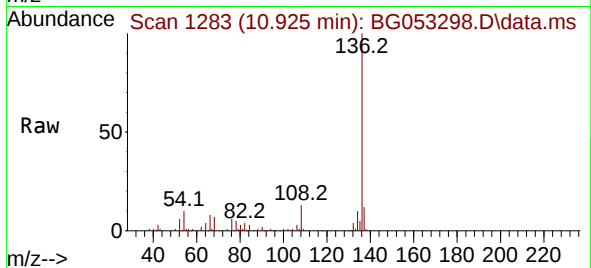




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.925 min Scan# 1002
Delta R.T. 0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

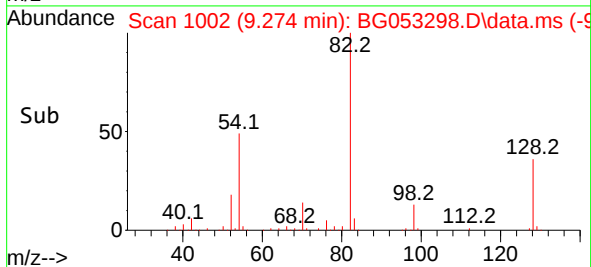
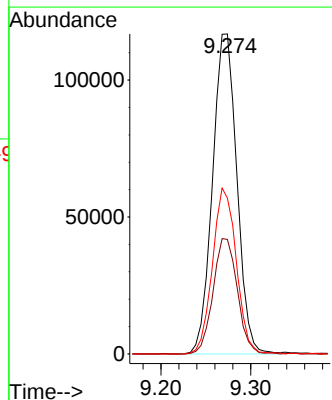
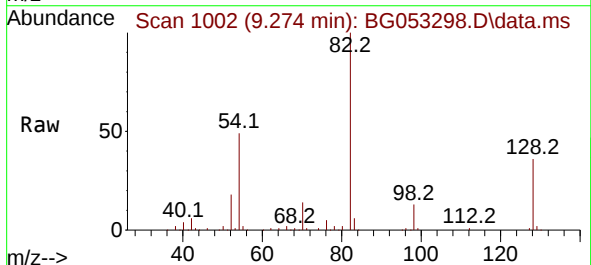
Instrument :
BNA_G
ClientSampleId :
HR-02-042122

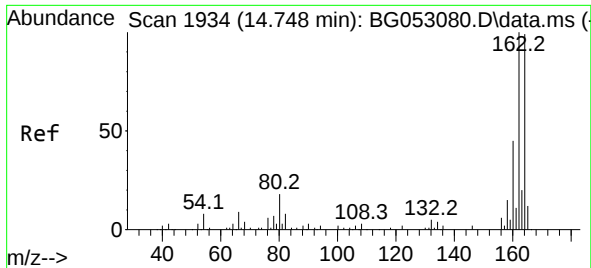
Tgt Ion:136 Resp: 152751
Ion Ratio Lower Upper
136 100
137 12.1 9.4 14.2
54 9.8 6.4 9.6#
68 6.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 58.507 ng
RT: 9.274 min Scan# 1002
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

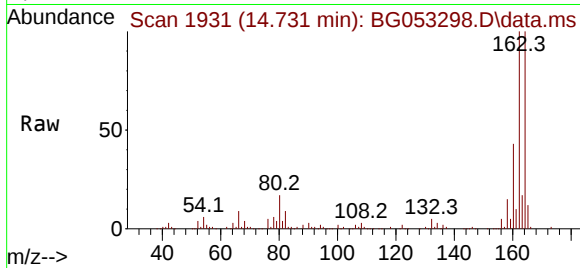
Tgt Ion: 82 Resp: 220103
Ion Ratio Lower Upper
82 100
128 35.8 31.3 46.9
54 48.7 37.8 56.8



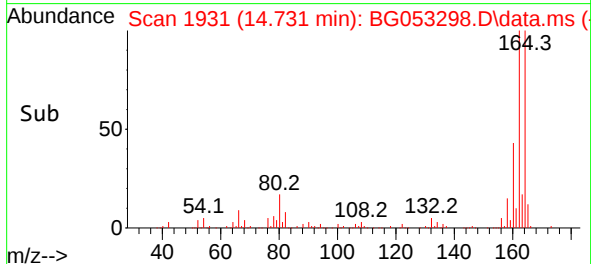
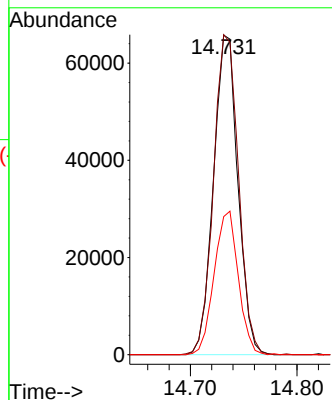


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.731 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :
BNA_G
ClientSampleId :
HR-02-042122

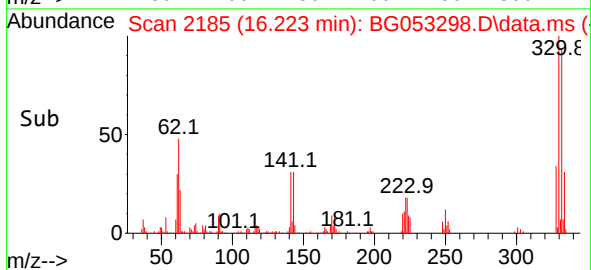
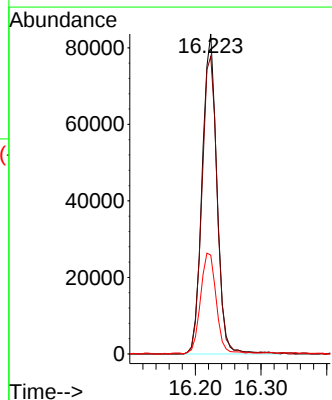
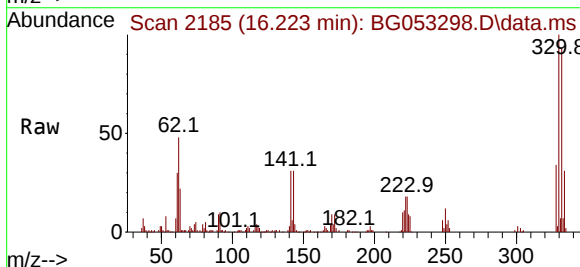


Tgt Ion:164 Resp: 104295
Ion Ratio Lower Upper
164 100
162 100.2 80.0 120.0
160 43.2 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 78.560 ng
RT: 16.223 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:330 Resp: 130354
Ion Ratio Lower Upper
330 100
332 96.1 75.8 113.6
141 33.9 24.6 36.8

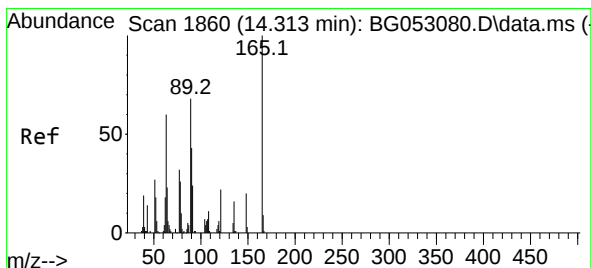
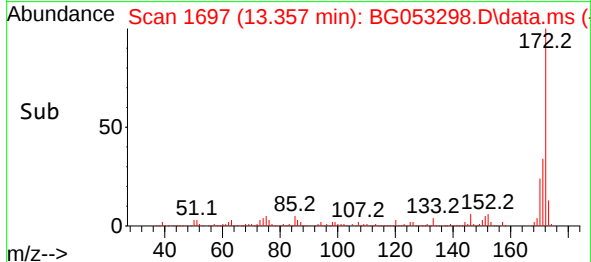
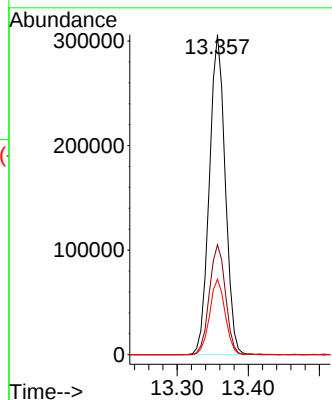
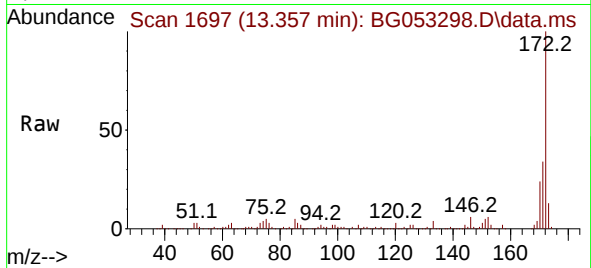




#45
2-Fluorobiphenyl
Concen: 62.608 ng
RT: 13.357 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

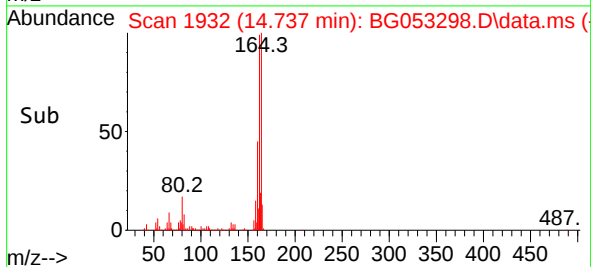
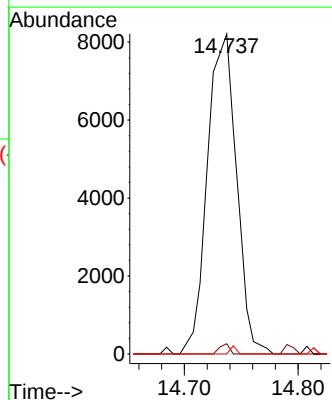
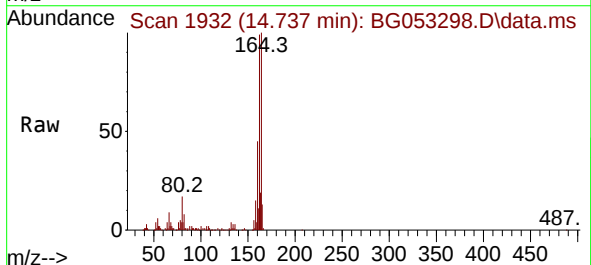
Instrument :
BNA_G
ClientSampleId :
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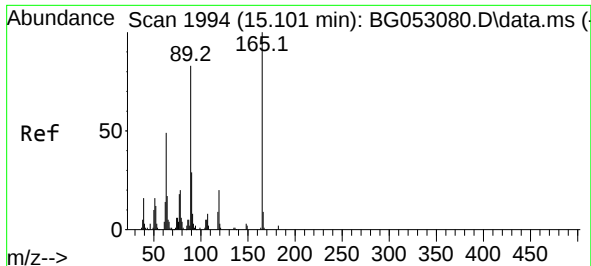
Tgt Ion:172 Resp: 473544
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.6 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 8.406 ng
RT: 14.737 min Scan# 1932
Delta R.T. 0.432 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:165 Resp: 14629
Ion Ratio Lower Upper
165 100
63 3.2 43.7 65.5#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.904 ng

RT: 14.737 min Scan# 1994

Delta R.T. -0.355 min

Lab File: BG053298.D

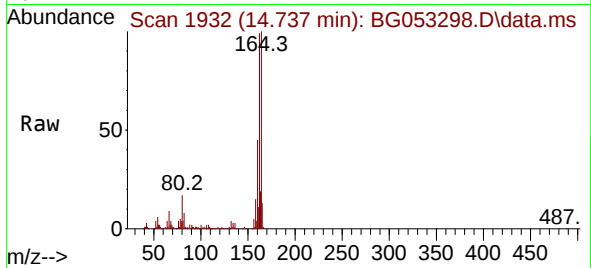
Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

HR-02-042122



Tgt Ion:165 Resp: 14629

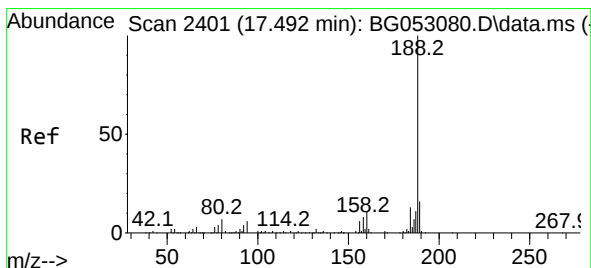
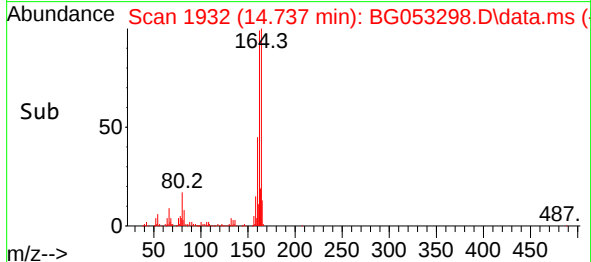
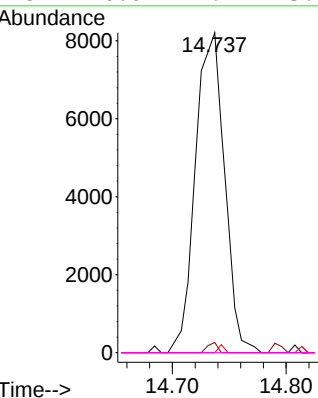
Ion Ratio Lower Upper

165 100

63 3.2 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.480 min Scan# 2399

Delta R.T. -0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

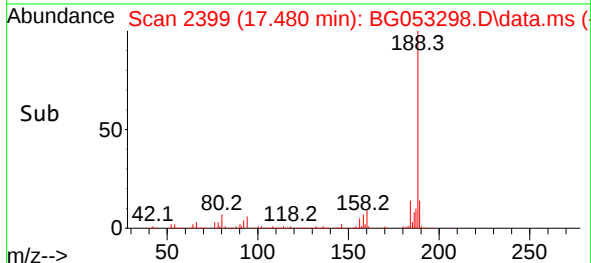
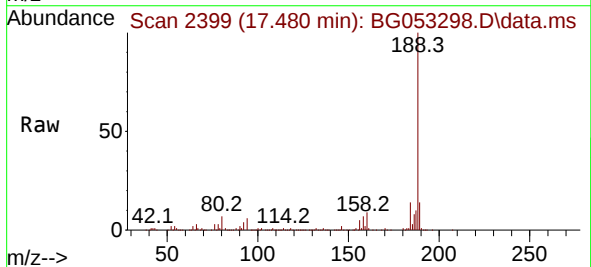
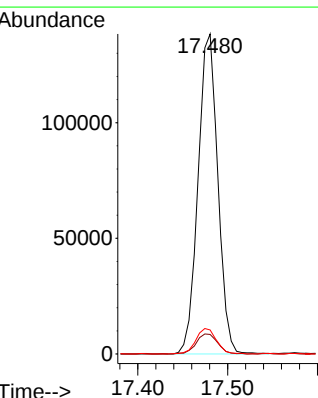
Tgt Ion:188 Resp: 211708

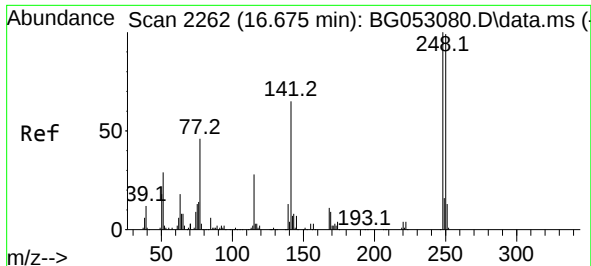
Ion Ratio Lower Upper

188 100

94 6.1 5.7 8.5

80 7.5 7.2 10.8

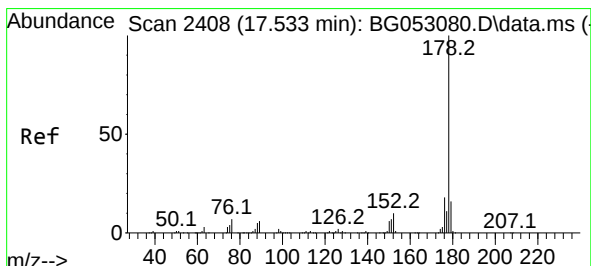
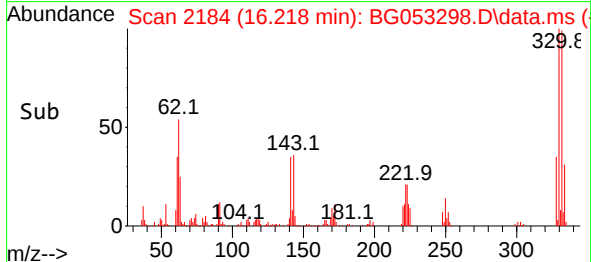
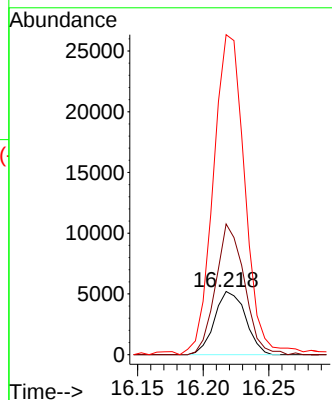
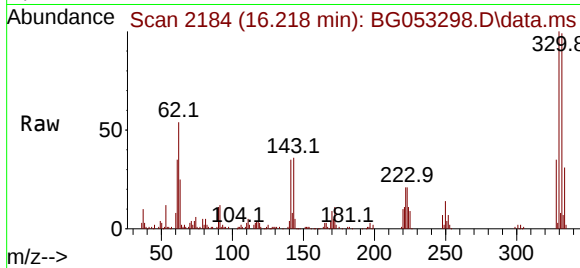




#67
4-Bromophenyl-phenylether
Concen: 3.154 ng
RT: 16.218 min Scan# 2184
Delta R.T. -0.443 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

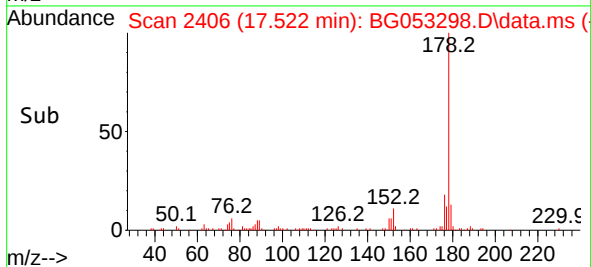
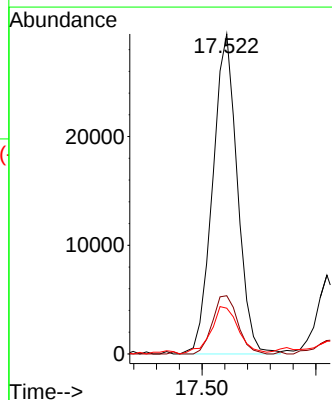
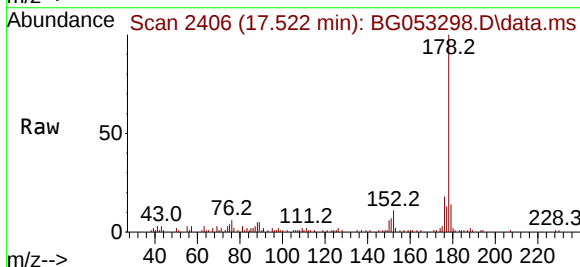
Instrument :
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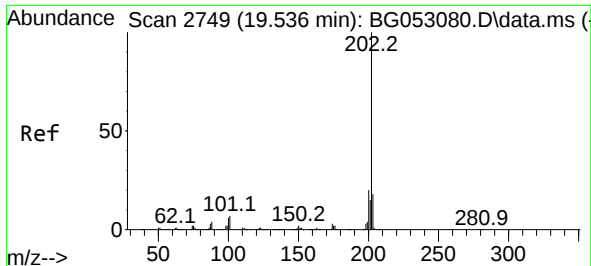
Tgt Ion:248 Resp: 8557
Ion Ratio Lower Upper
248 100
250 206.9 77.9 116.9#
141 506.7 49.2 73.8#



#71
Phenanthrene
Concen: 3.833 ng
RT: 17.522 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:178 Resp: 44324
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 14.3 13.4 20.2

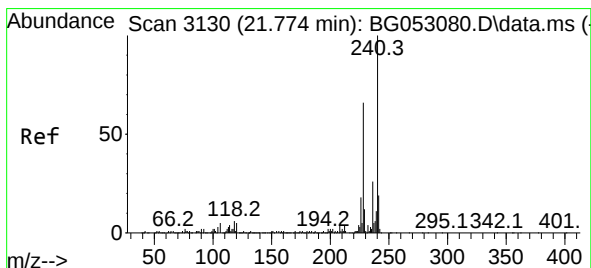
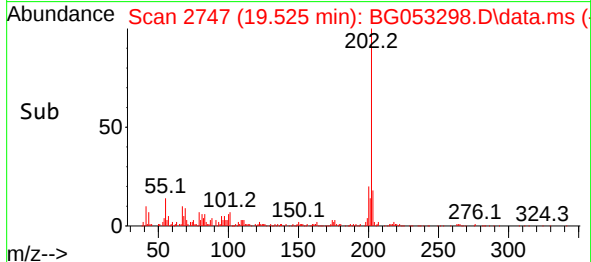
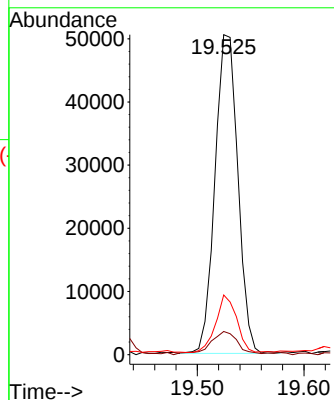
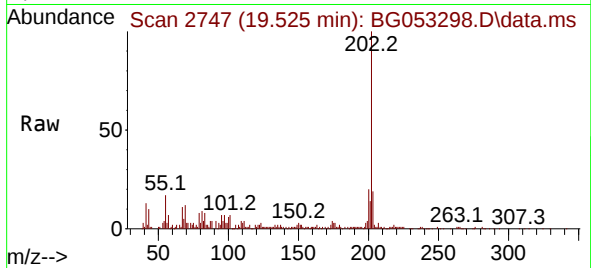




#75
Fluoranthene
Concen: 5.072 ng
RT: 19.525 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

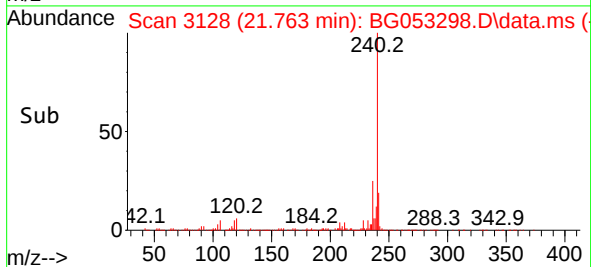
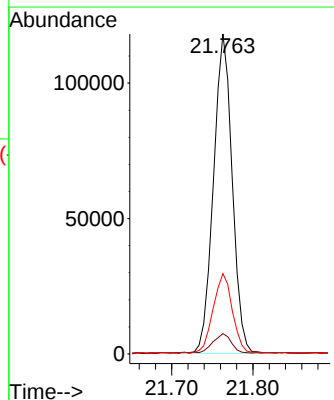
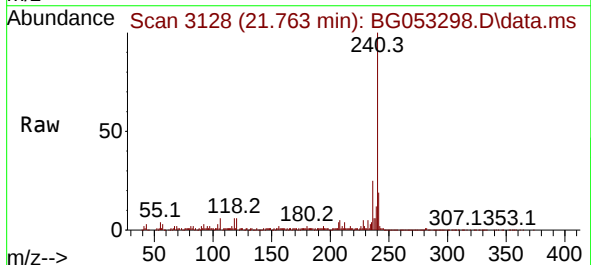
Instrument :
BNA_G
ClientSampleId :
HR-02-042122

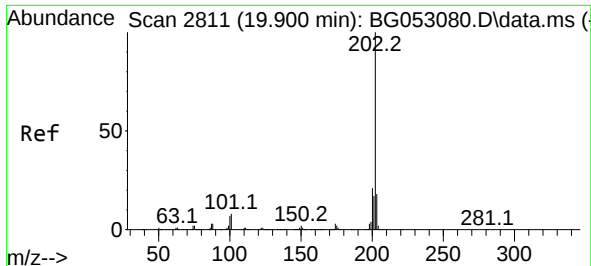
Tgt Ion:202 Resp: 75185
Ion Ratio Lower Upper
202 100
101 7.2 0.0 27.3
203 18.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.763 min Scan# 3128
Delta R.T. -0.003 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:240 Resp: 188569
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 25.1 19.8 29.6

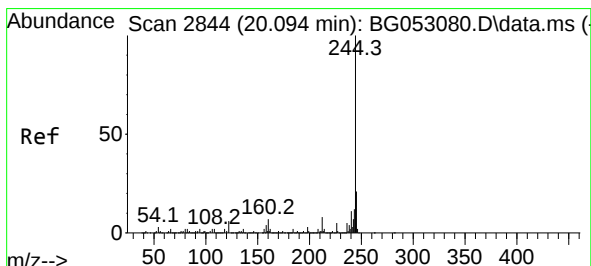
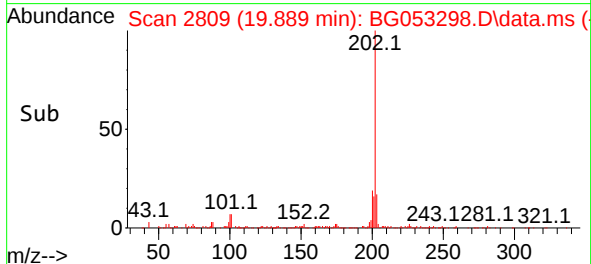
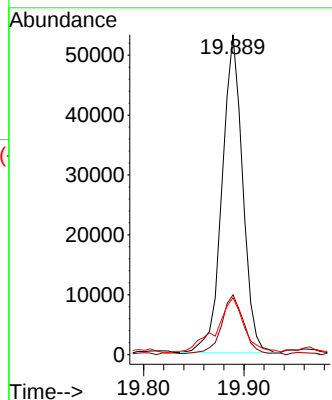
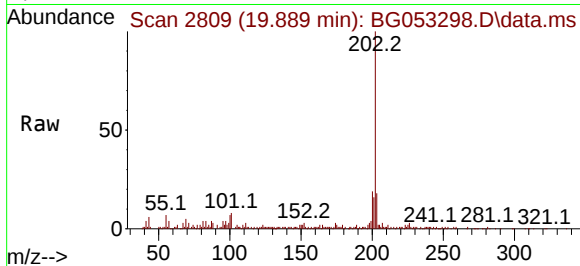




#78
 Pyrene
 Concen: 5.607 ng
 RT: 19.889 min Scan# 2809
 Delta R.T. -0.003 min
 Lab File: BG053298.D
 Acq: 23 Apr 2022 18:17

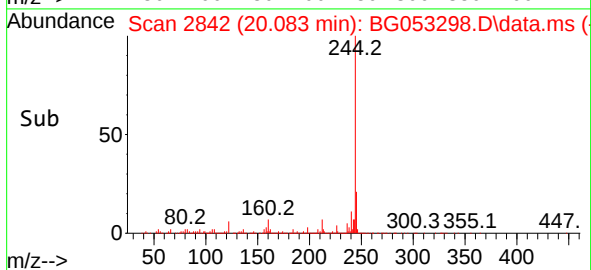
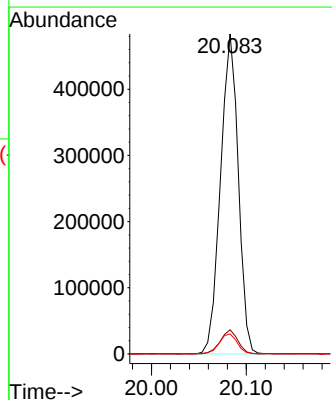
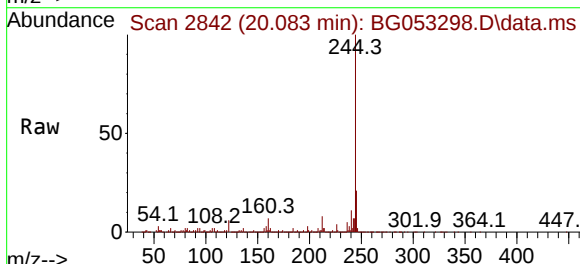
Instrument :
 BNA_G
 ClientSampleId :
 HR-02-042122

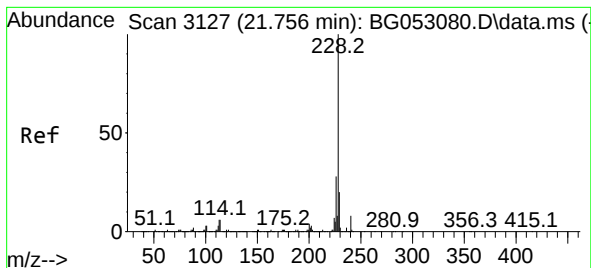
Tgt Ion:202 Resp: 75295
 Ion Ratio Lower Upper
 202 100
 200 18.7 17.0 25.6
 203 17.8 15.0 22.6



#79
 Terphenyl-d14
 Concen: 56.475 ng
 RT: 20.083 min Scan# 2842
 Delta R.T. -0.003 min
 Lab File: BG053298.D
 Acq: 23 Apr 2022 18:17

Tgt Ion:244 Resp: 630557
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 6.3 5.8 8.6





#81

Benzo(a)anthracene

Concen: 3.144 ng

RT: 21.745 min Scan# 3125

Delta R.T. -0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

HR-02-042122

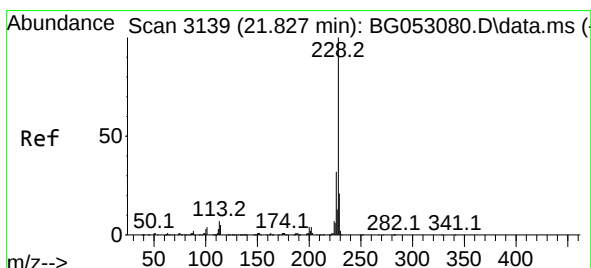
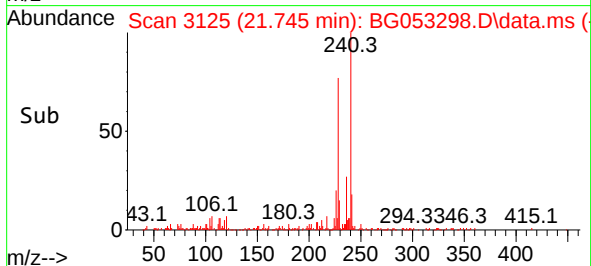
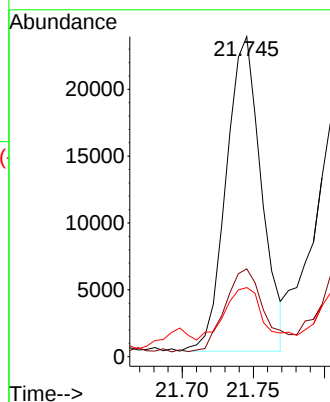
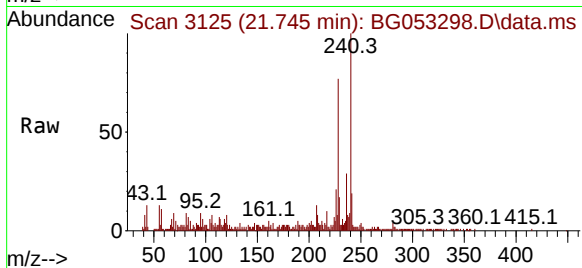
Tgt Ion:228 Resp: 40534

Ion Ratio Lower Upper

228 100

226 27.5 21.4 32.0

229 21.6 16.7 25.1



#83

Chrysene

Concen: 3.388 ng

RT: 21.745 min Scan# 3125

Delta R.T. -0.067 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

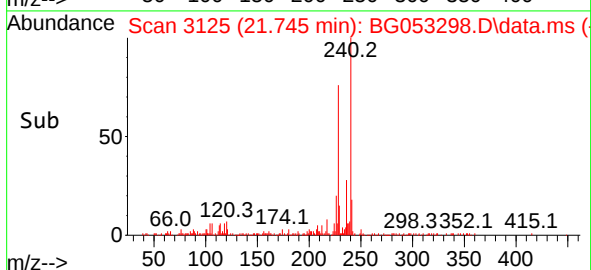
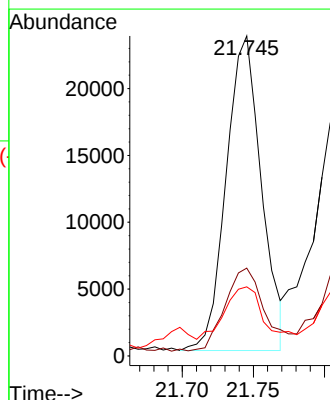
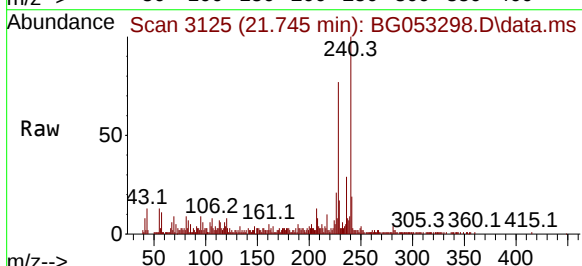
Tgt Ion:228 Resp: 40534

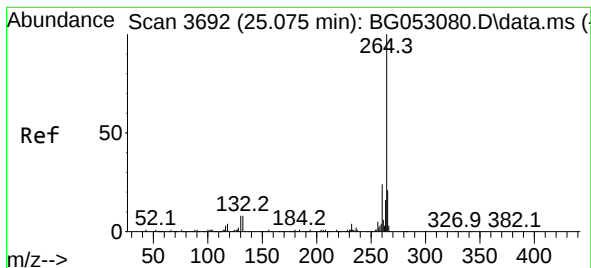
Ion Ratio Lower Upper

228 100

226 27.5 24.2 36.4

229 21.6 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.064 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

Instrument :

BNA_G

ClientSampleId :

HR-02-042122

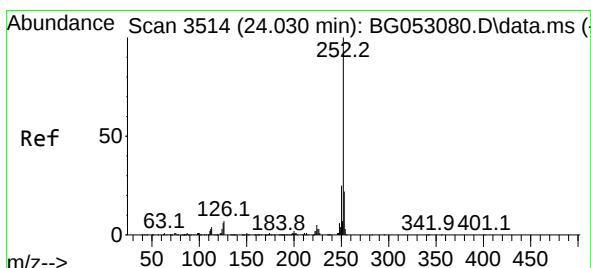
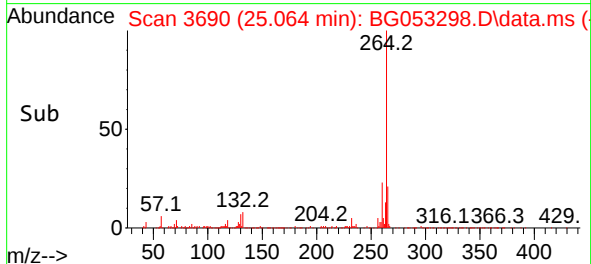
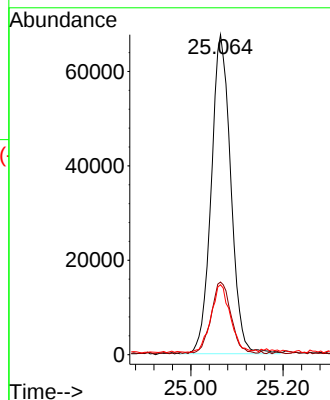
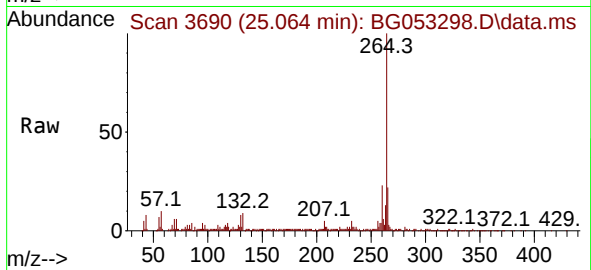
Tgt Ion:264 Resp: 198635

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

265 21.8 15.1 22.7



#88

Benzo(b)fluoranthene

Concen: 3.579 ng

RT: 24.019 min Scan# 3512

Delta R.T. -0.003 min

Lab File: BG053298.D

Acq: 23 Apr 2022 18:17

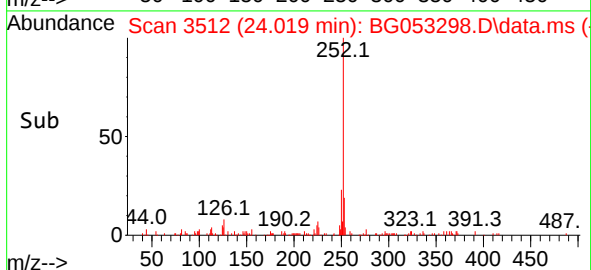
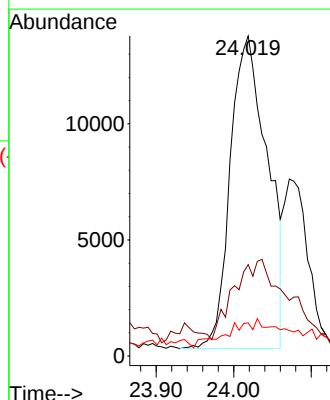
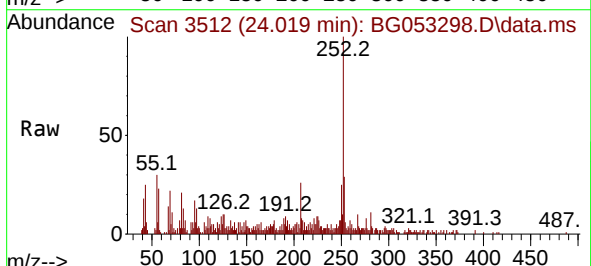
Tgt Ion:252 Resp: 44851

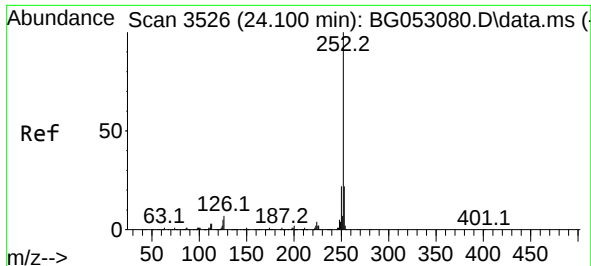
Ion Ratio Lower Upper

252 100

253 28.5 17.2 25.8#

125 10.3 5.2 7.8#

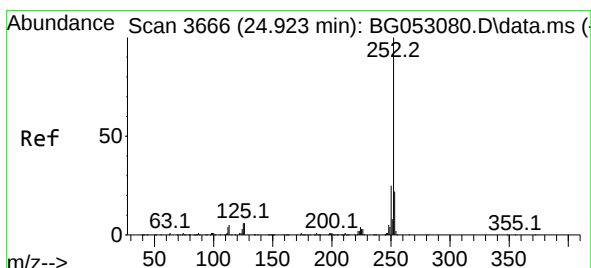
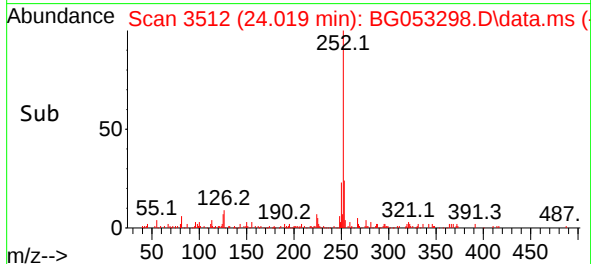
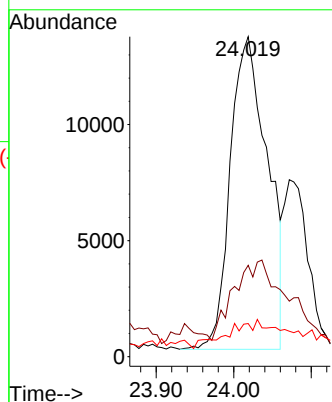
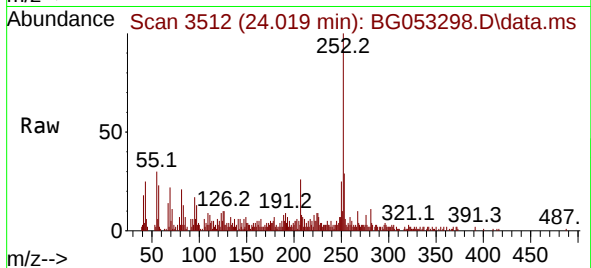




#89
Benzo(k)fluoranthene
Concen: 3.641 ng
RT: 24.019 min Scan# 31
Delta R.T. -0.067 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Instrument :
BNA_G
ClientSampleId :
HR-02-042122

Tgt Ion:252 Resp: 44851
Ion Ratio Lower Upper
252 100
253 28.5 17.4 26.0#
125 10.3 5.0 7.4#



#90
Benzo(a)pyrene
Concen: 3.266 ng
RT: 24.906 min Scan# 3663
Delta R.T. -0.009 min
Lab File: BG053298.D
Acq: 23 Apr 2022 18:17

Tgt Ion:252 Resp: 34869
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 9.6 5.6 8.4#

