

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053061.D
 Acq On : 6 Apr 2022 19:05
 Operator : CG/JU
 Sample : N2237-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A13015

Quant Time: Apr 07 04:10:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

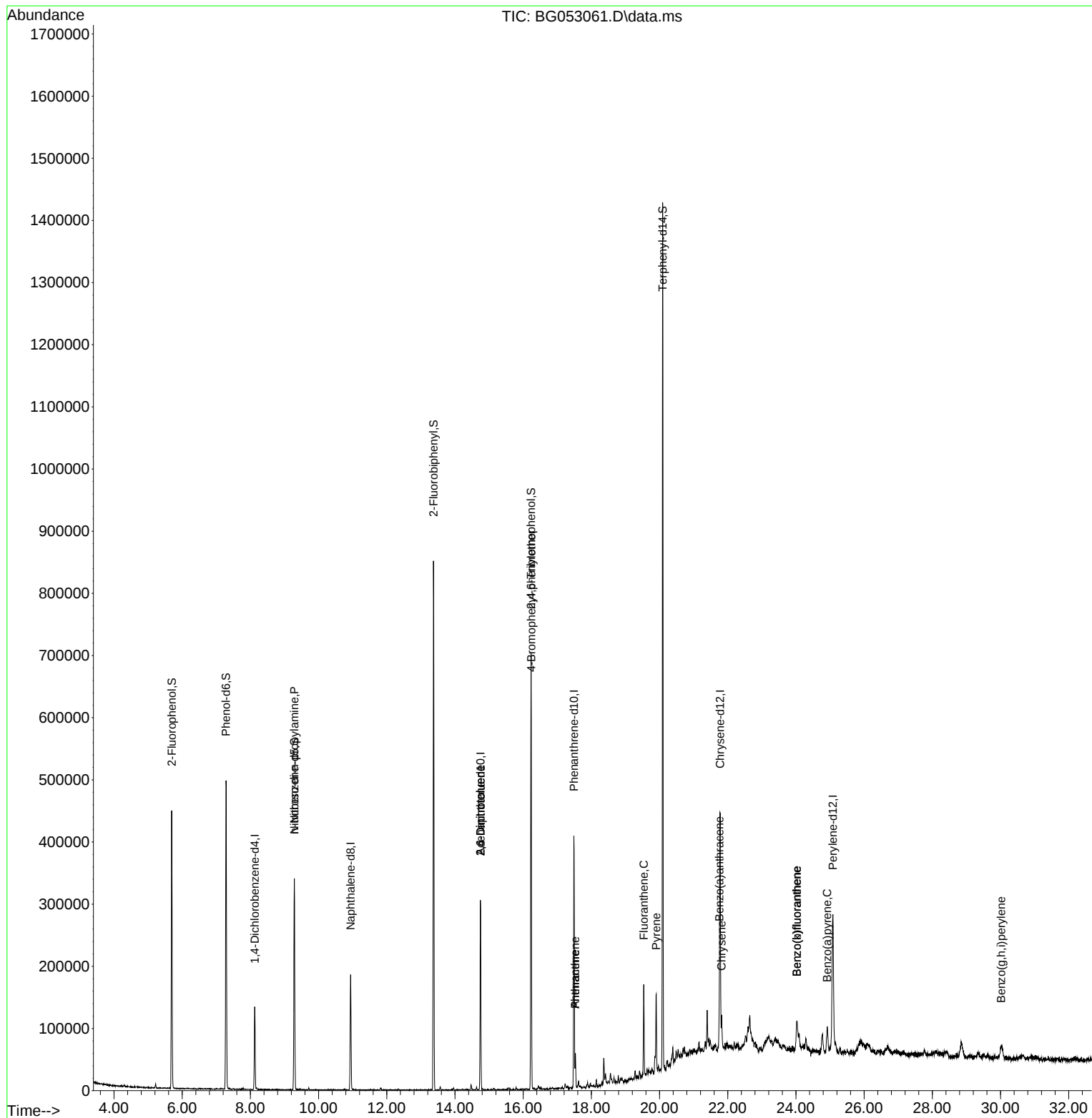
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.131	152	36966	20.000	ng	0.00
21) Naphthalene-d8	10.939	136	150784	20.000	ng	0.00
39) Acenaphthene-d10	14.746	164	110822	20.000	ng	0.00
64) Phenanthrene-d10	17.489	188	259325	20.000	ng	0.00
76) Chrysene-d12	21.777	240	241085	20.000	ng	# 0.00
86) Perylene-d12	25.085	264	245170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	178576	84.129	ng	0.00
7) Phenol-d6	7.285	99	276209	86.313	ng	0.00
23) Nitrobenzene-d5	9.288	82	213133	70.944	ng	0.00
42) 2,4,6-Tribromophenol	16.232	330	135872	91.241	ng	0.00
45) 2-Fluorobiphenyl	13.371	172	442749	58.922	ng	0.00
79) Terphenyl-d14	20.091	244	705062	52.023	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.291	77	651	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	9.288	70	30960	13.660	ng	# 77
51) 2,6-Dinitrotoluene	14.746	165	14686	10.561	ng	# 24
57) 2,4-Dinitrotoluene	14.746	165	14686	7.611	ng	# 22
67) 4-Bromophenyl-phenylether	16.238	248	9094	2.909	ng	# 1
71) Phenanthrene	17.530	178	35988	2.594	ng	94
72) Anthracene	17.530	178	35988	2.624	ng	96
75) Fluoranthene	19.539	202	93006	5.281	ng	98
78) Pyrene	19.903	202	79331	4.744	ng	97
81) Benzo(a)anthracene	21.754	228	44837	2.777	ng	96
83) Chrysene	21.818	228	40319	2.657	ng	95
88) Benzo(b)fluoranthene	24.027	252	59751	3.925	ng	# 91
89) Benzo(k)fluoranthene	24.027	252	59751	3.989	ng	# 91
90) Benzo(a)pyrene	24.920	252	45710	3.547	ng	# 95
92) Benzo(g,h,i)perylene	30.019	276	45488	3.325	ng	96

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

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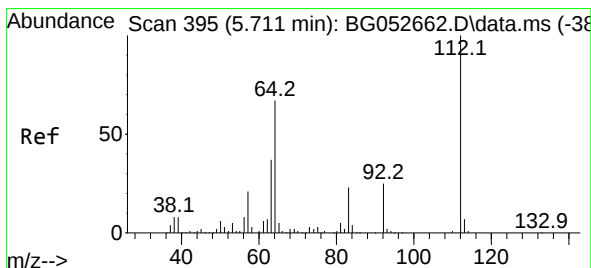
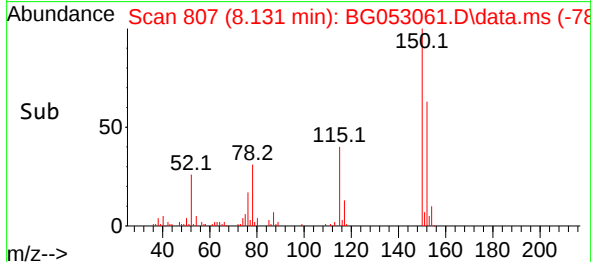
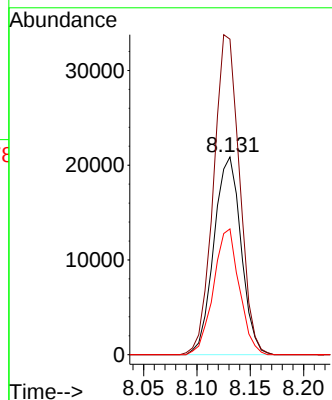
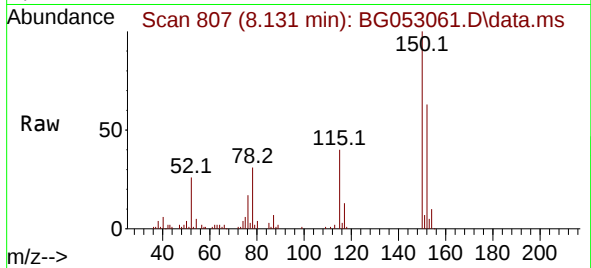




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.131 min Scan# 80
Delta R.T. 0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

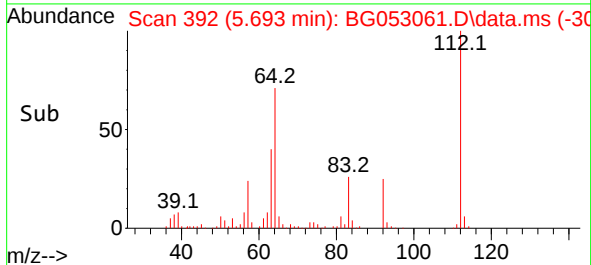
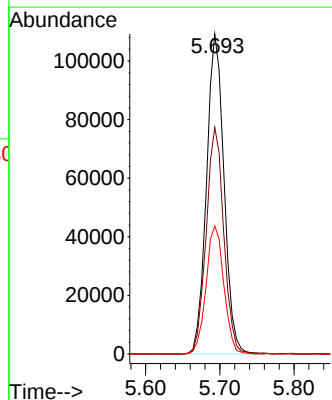
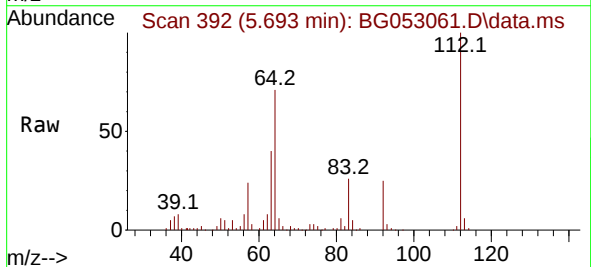
Instrument :
BNA_G
ClientSampleId :
A13015

Tgt Ion:152 Resp: 36966
Ion Ratio Lower Upper
152 100
150 159.5 114.6 172.0
115 63.6 45.9 68.9



#5
2-Fluorophenol
Concen: 84.129 ng
RT: 5.693 min Scan# 392
Delta R.T. 0.009 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:112 Resp: 178576
Ion Ratio Lower Upper
112 100
64 70.7 48.0 72.0
63 40.0 26.5 39.7#

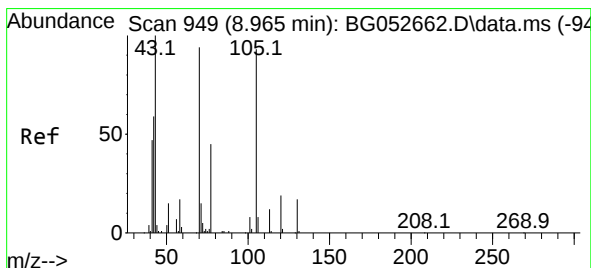
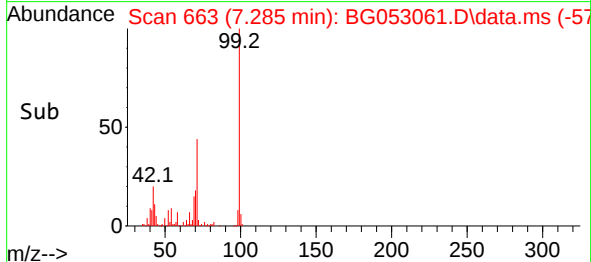
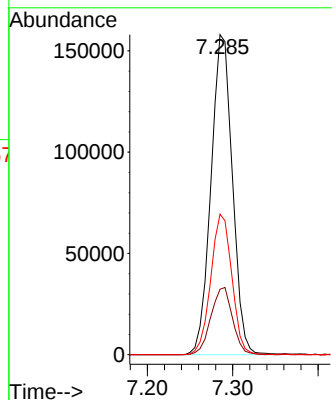
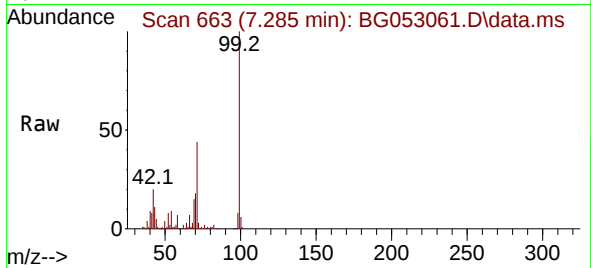




#7
Phenol-d6
Concen: 86.313 ng
RT: 7.285 min Scan# 60
Delta R.T. 0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

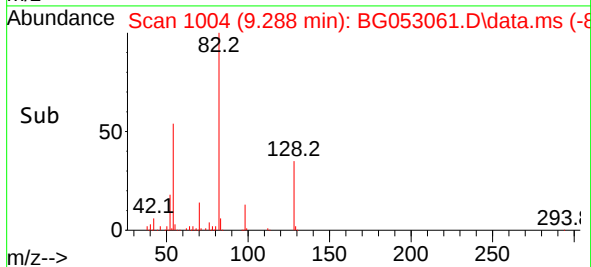
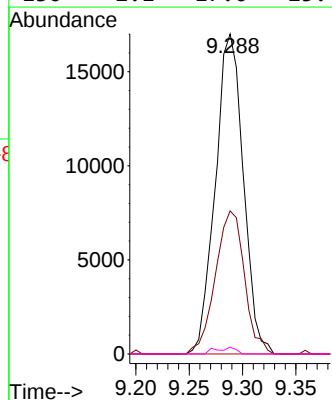
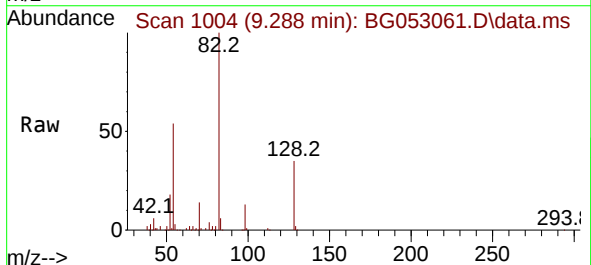
Instrument :
BNA_G
ClientSampleId :
A13015

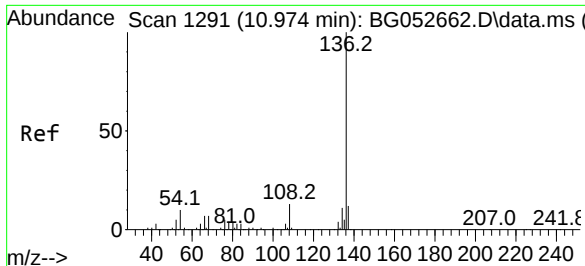
Tgt Ion: 99 Resp: 276209
Ion Ratio Lower Upper
99 100
42 20.4 14.7 22.1
71 43.9 29.2 43.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.660 ng
RT: 9.288 min Scan# 1004
Delta R.T. 0.361 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion: 70 Resp: 30960
Ion Ratio Lower Upper
70 100
42 44.7 46.0 69.0#
101 0.0 6.2 9.4#
130 2.1 17.0 25.4#

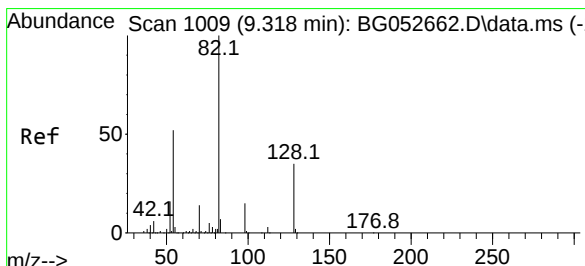
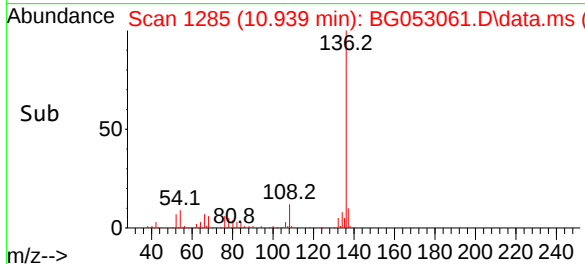
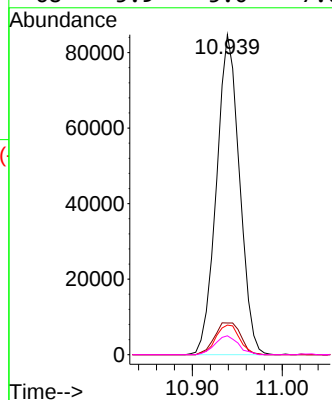
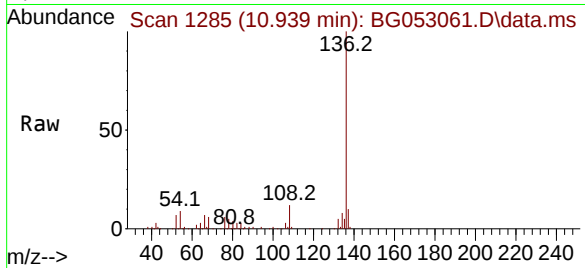




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.939 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

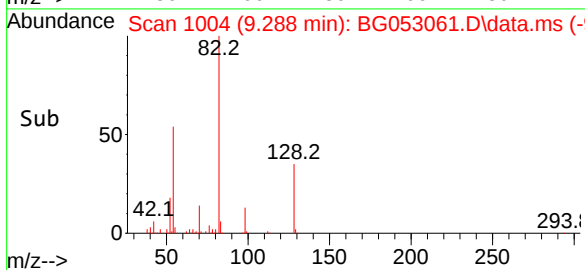
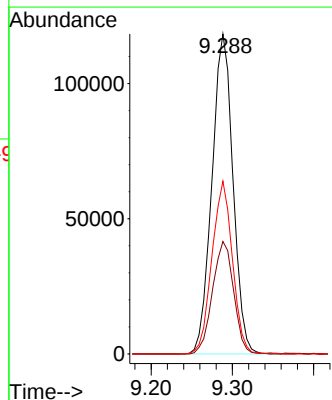
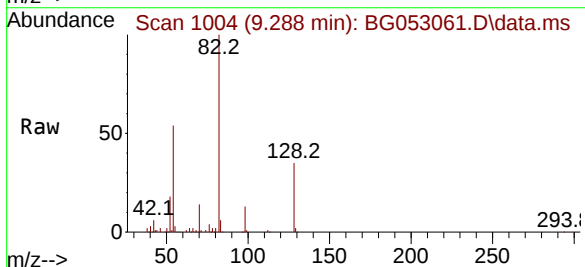
Instrument :
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A13015

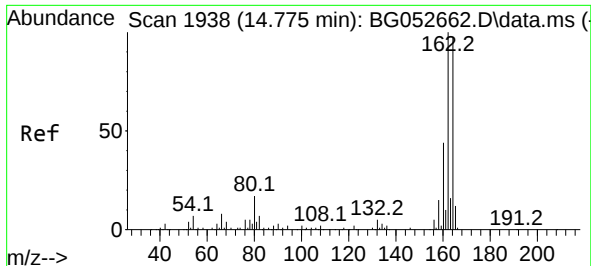
Tgt Ion:136 Resp: 150784
Ion Ratio Lower Upper
136 100
137 9.9 9.4 14.2
54 9.3 6.4 9.6
68 5.9 5.0 7.6



#23
Nitrobenzene-d5
Concen: 70.944 ng
RT: 9.288 min Scan# 1004
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

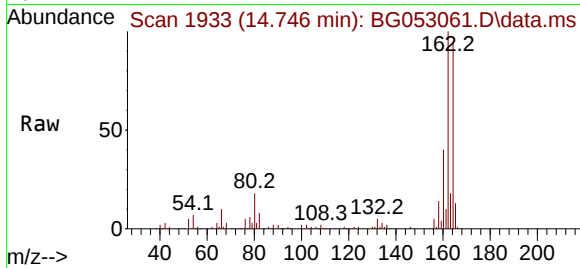
Tgt Ion: 82 Resp: 213133
Ion Ratio Lower Upper
82 100
128 35.1 31.3 46.9
54 54.0 37.8 56.8



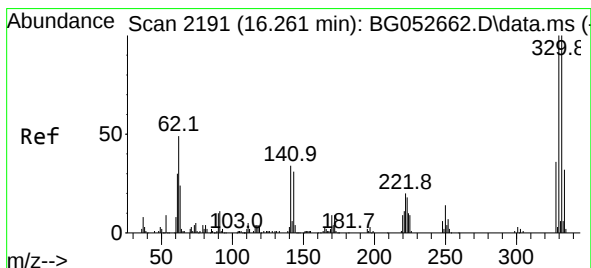
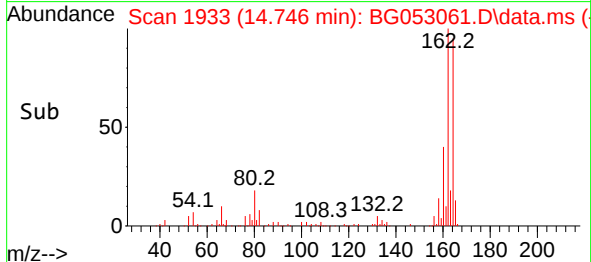
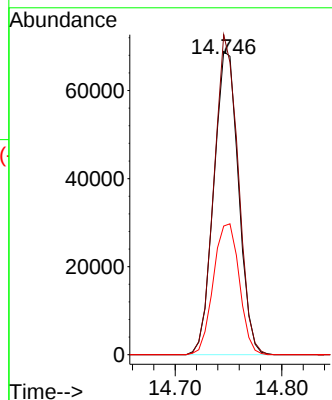


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Instrument :
BNA_G
ClientSampleId :
A13015

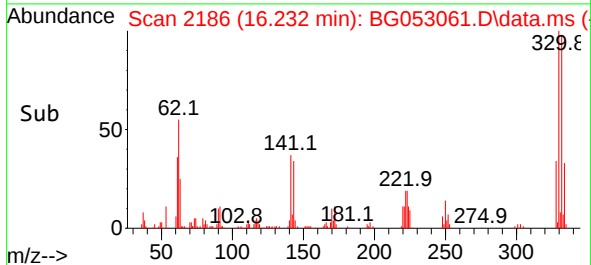
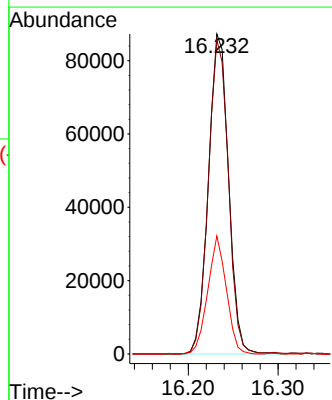
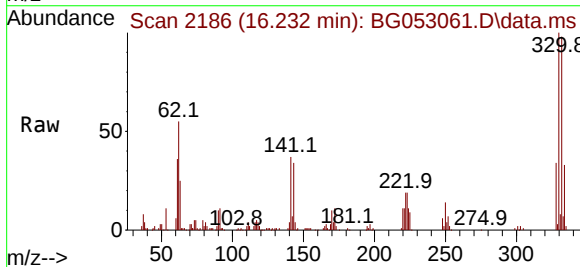


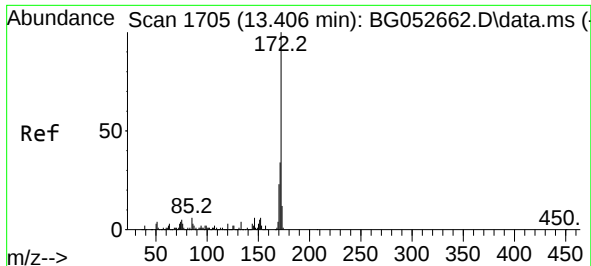
Tgt Ion:164 Resp: 110822
Ion Ratio Lower Upper
164 100
162 105.5 80.0 120.0
160 42.4 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 91.241 ng
RT: 16.232 min Scan# 2186
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:330 Resp: 135872
Ion Ratio Lower Upper
330 100
332 97.6 75.8 113.6
141 34.0 24.6 36.8

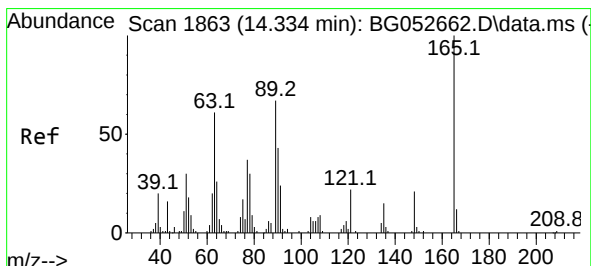
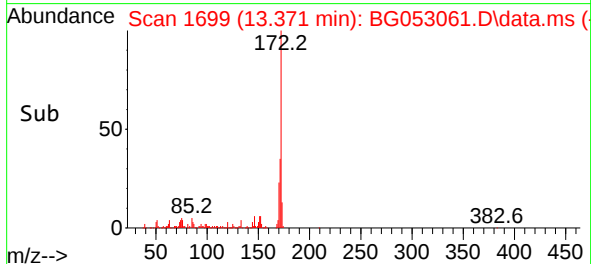
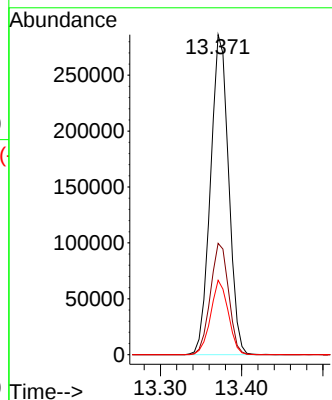
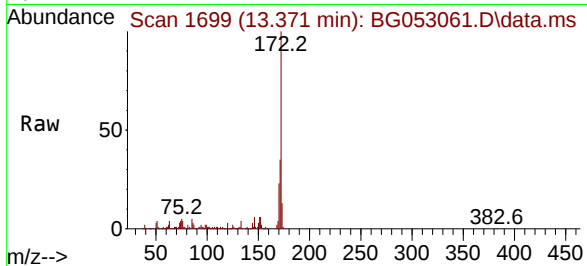




#45
2-Fluorobiphenyl
Concen: 58.922 ng
RT: 13.371 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

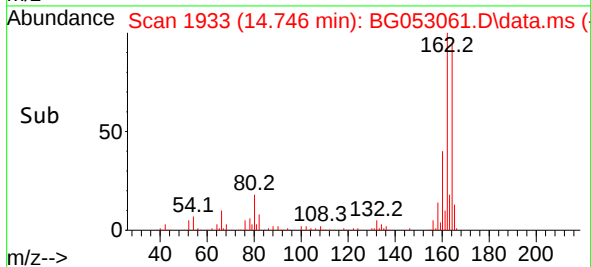
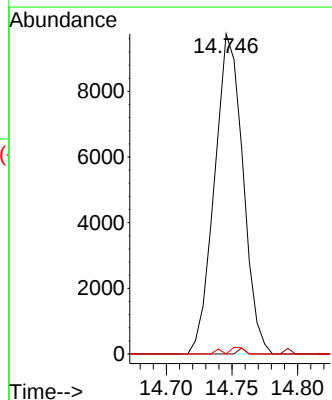
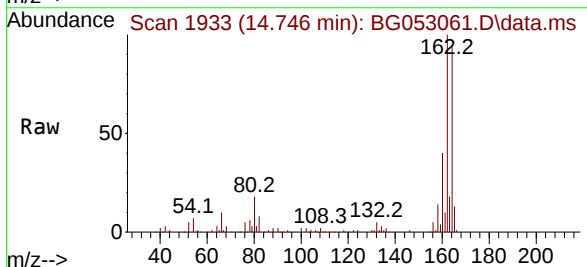
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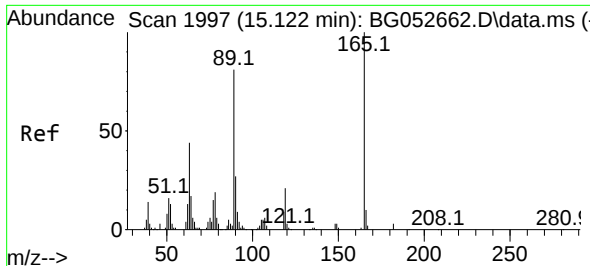
Tgt Ion:172 Resp: 442749
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 10.561 ng
RT: 14.746 min Scan# 1933
Delta R.T. 0.432 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:165 Resp: 14686
Ion Ratio Lower Upper
165 100
63 0.0 43.7 65.5#
89 0.0 45.0 67.4#

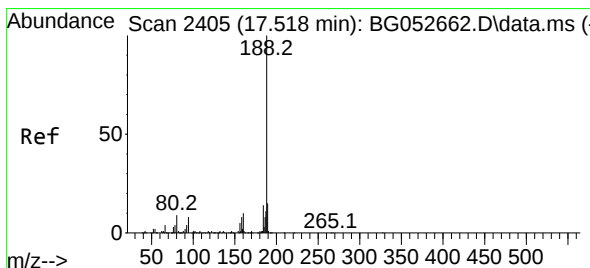
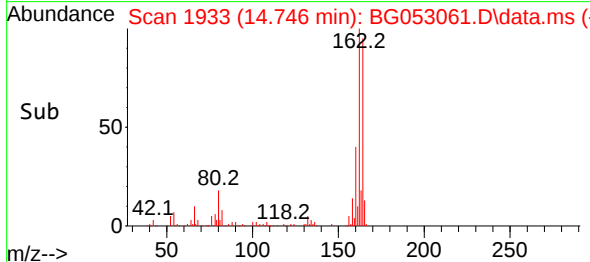
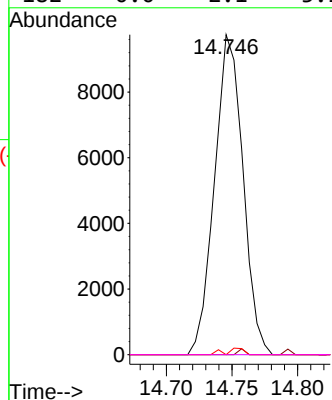
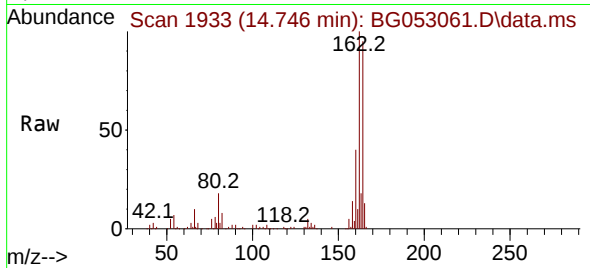




#57
2,4-Dinitrotoluene
Concen: 7.611 ng
RT: 14.746 min Scan# 1997
Delta R.T. -0.355 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

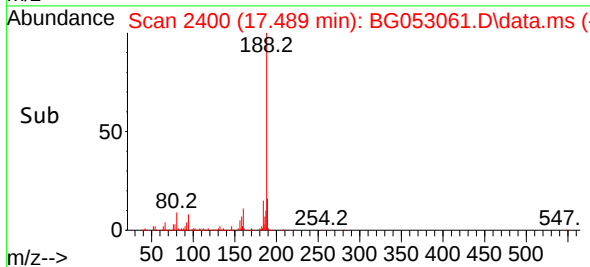
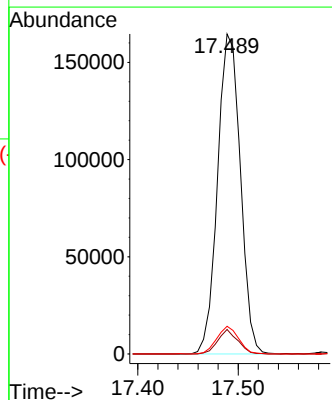
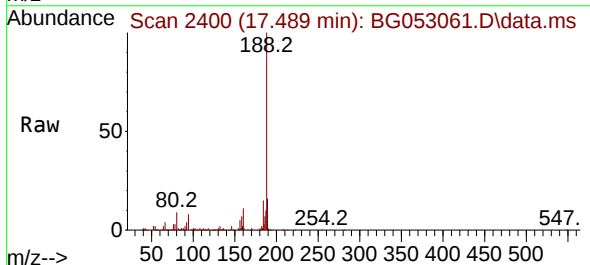
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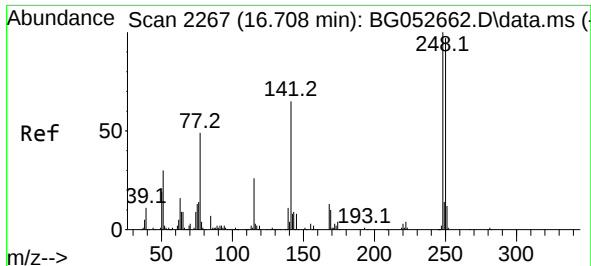
Tgt Ion:165 Resp: 14686
Ion Ratio Lower Upper
165 100
63 0.0 34.8 52.2#
89 0.0 57.4 86.0#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.489 min Scan# 2400
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:188 Resp: 259325
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.7 7.2 10.8

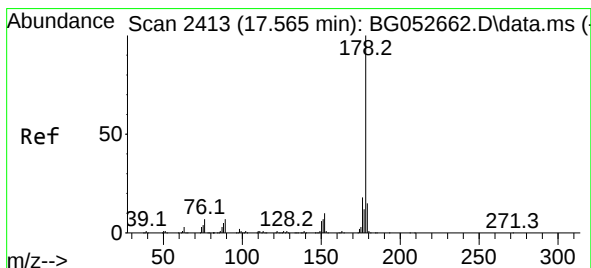
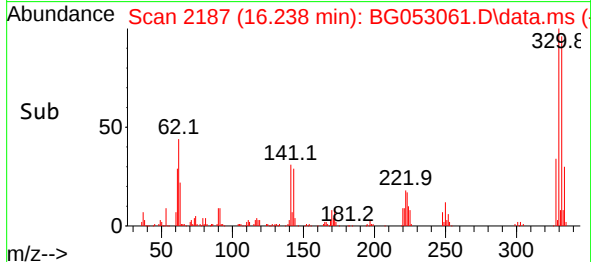
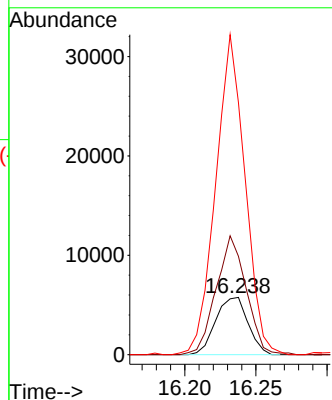
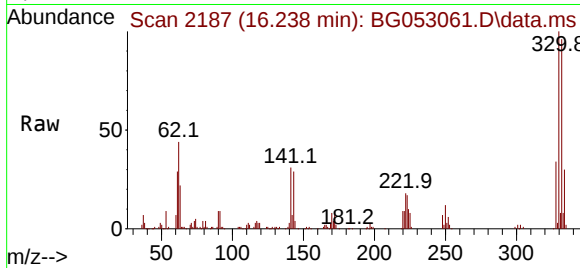




#67
4-Bromophenyl-phenylether
Concen: 2.909 ng
RT: 16.238 min Scan# 2187
Delta R.T. -0.438 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

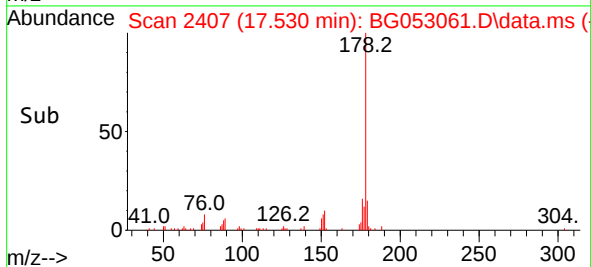
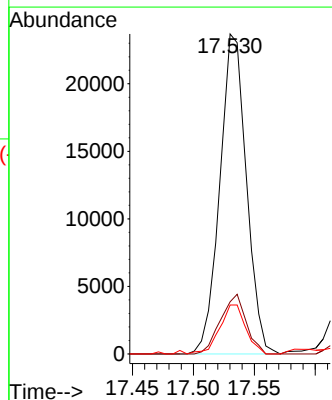
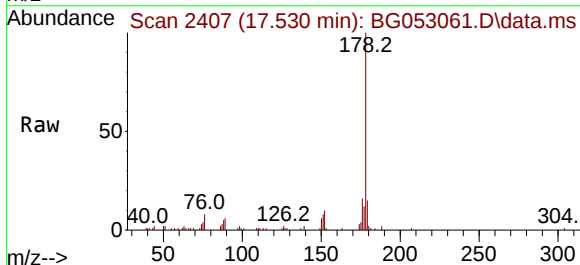
Instrument :
BNA_G
ClientSampleId :
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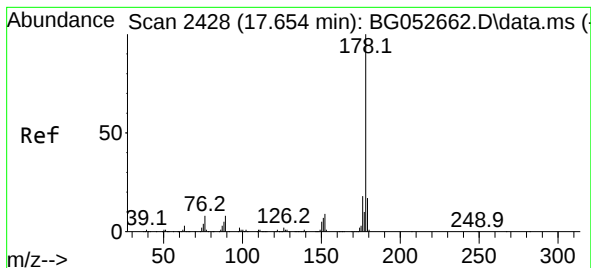
Tgt Ion:248 Resp: 9094
Ion Ratio Lower Upper
248 100
250 171.8 77.9 116.9#
141 440.5 49.2 73.8#



#71
Phenanthrene
Concen: 2.594 ng
RT: 17.530 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:178 Resp: 35988
Ion Ratio Lower Upper
178 100
176 16.3 15.9 23.9
179 15.3 13.4 20.2





#72

Anthracene

Concen: 2.624 ng

RT: 17.530 min Scan# 24

Delta R.T. -0.097 min

Lab File: BG053061.D

Acq: 6 Apr 2022 19:05

Instrument :

BNA_G

ClientSampleId :

A13015

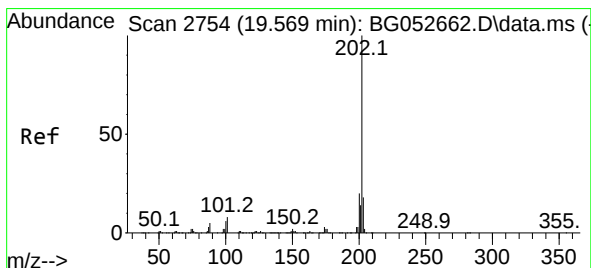
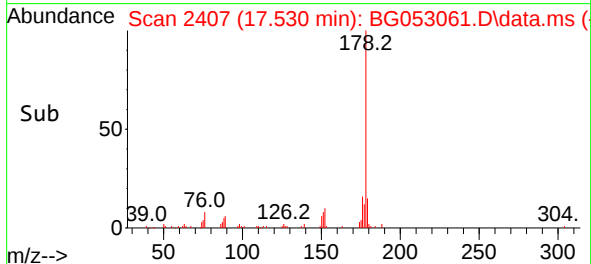
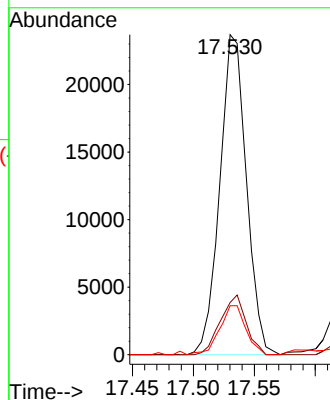
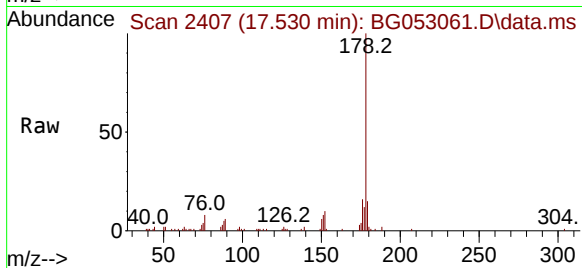
Tgt Ion:178 Resp: 35988

Ion Ratio Lower Upper

178 100

176 16.3 14.7 22.1

179 15.3 13.2 19.8



#75

Fluoranthene

Concen: 5.281 ng

RT: 19.539 min Scan# 2749

Delta R.T. -0.003 min

Lab File: BG053061.D

Acq: 6 Apr 2022 19:05

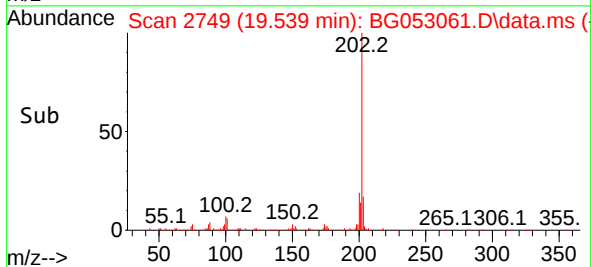
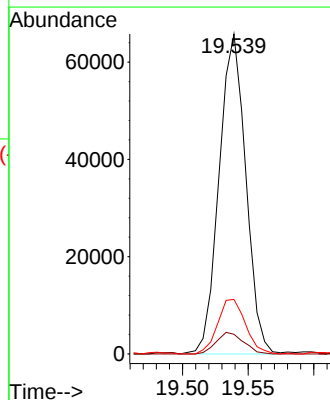
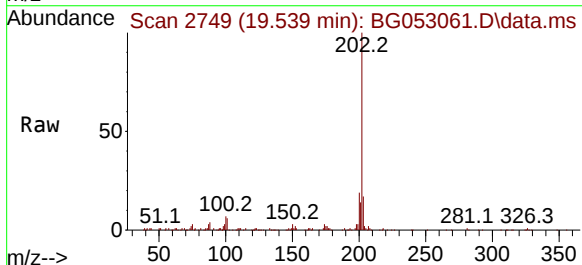
Tgt Ion:202 Resp: 93006

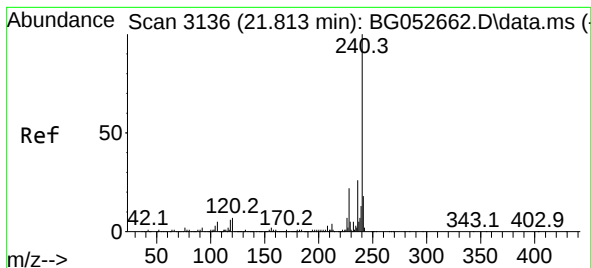
Ion Ratio Lower Upper

202 100

101 6.2 0.0 27.3

203 17.1 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.777 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG053061.D

Acq: 6 Apr 2022 19:05

Instrument :

BNA_G

ClientSampleId :

A13015

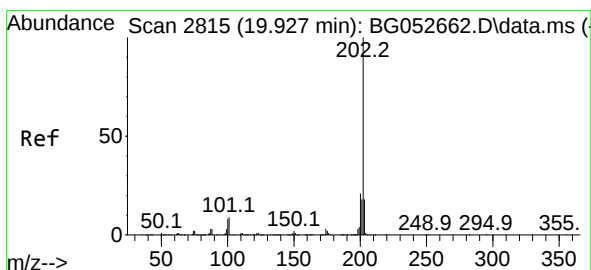
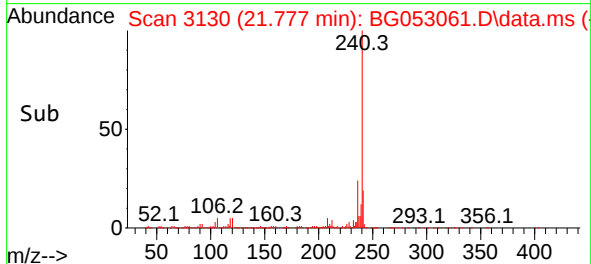
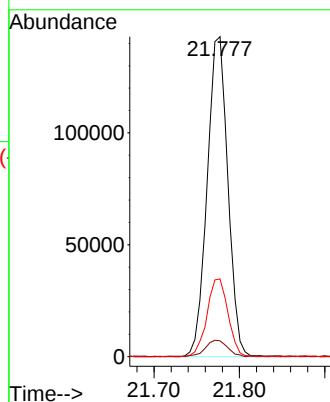
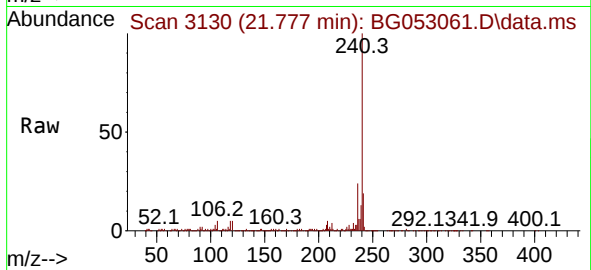
Tgt Ion:240 Resp: 241085

Ion Ratio Lower Upper

240 100

120 4.9 5.4 8.0#

236 24.3 19.8 29.6



#78

Pyrene

Concen: 4.744 ng

RT: 19.903 min Scan# 2811

Delta R.T. 0.003 min

Lab File: BG053061.D

Acq: 6 Apr 2022 19:05

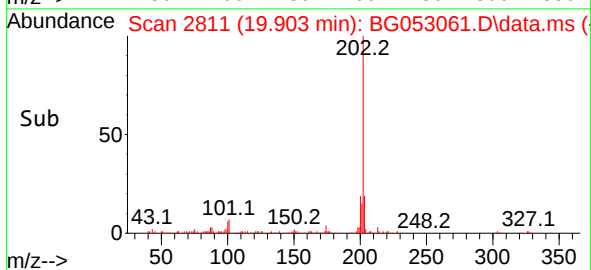
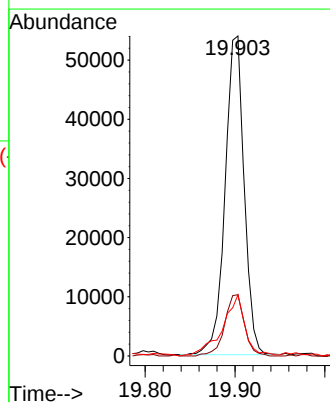
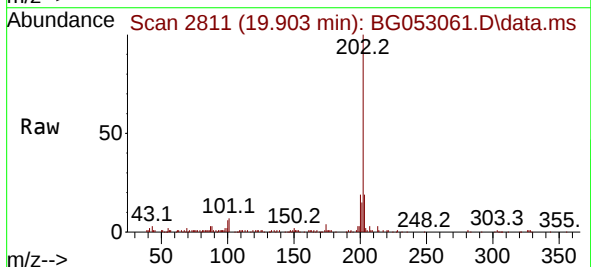
Tgt Ion:202 Resp: 79331

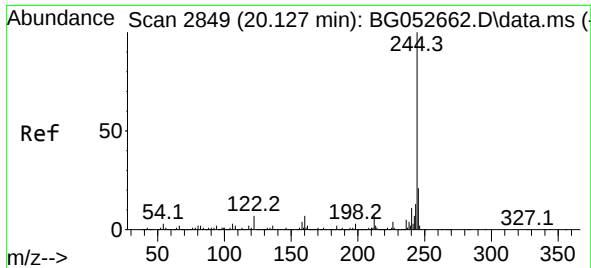
Ion Ratio Lower Upper

202 100

200 19.2 17.0 25.6

203 19.1 15.0 22.6

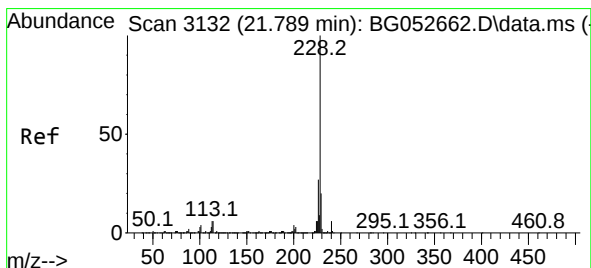
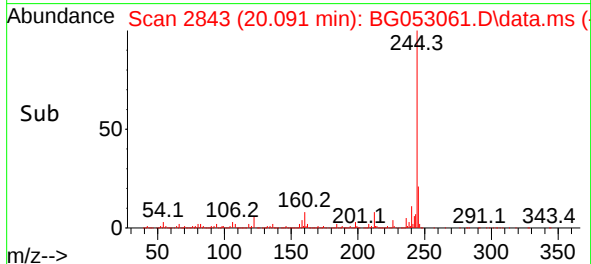
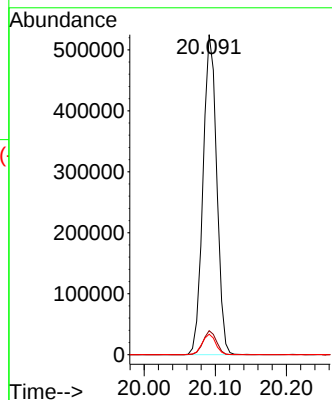
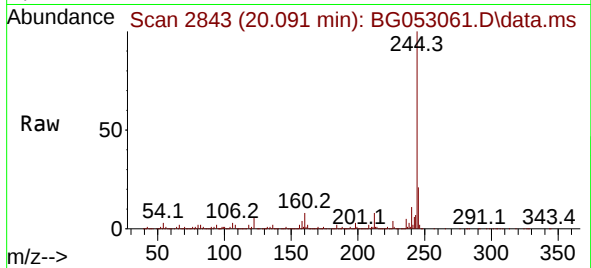




#79
 Terphenyl-d14
 Concen: 52.023 ng
 RT: 20.091 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG053061.D
 Acq: 6 Apr 2022 19:05

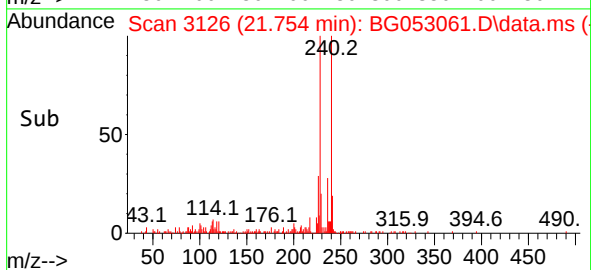
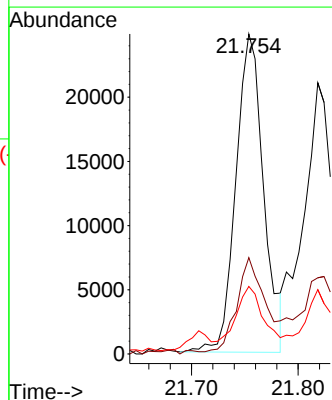
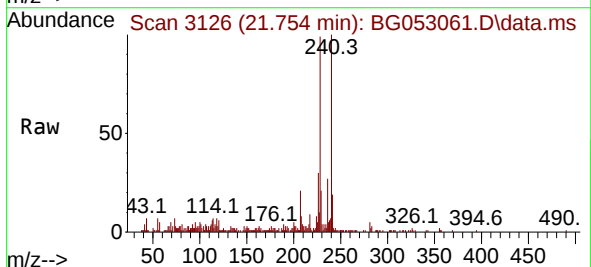
Instrument :
 BNA_G
 ClientSampleId :
 A13015

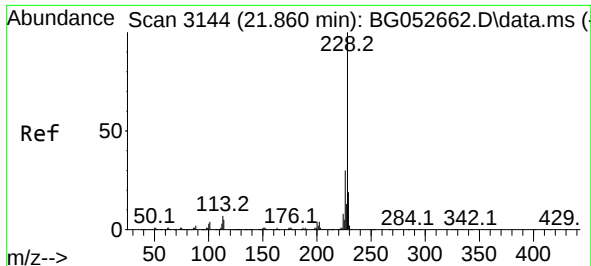
Tgt Ion:244 Resp: 705062
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 6.4 5.8 8.6



#81
 Benzo(a)anthracene
 Concen: 2.777 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. -0.003 min
 Lab File: BG053061.D
 Acq: 6 Apr 2022 19:05

Tgt Ion:228 Resp: 44837
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.4 32.0
 229 21.1 16.7 25.1

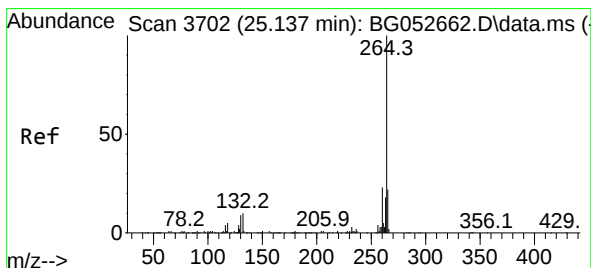
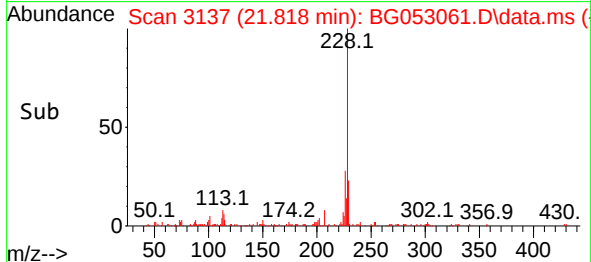
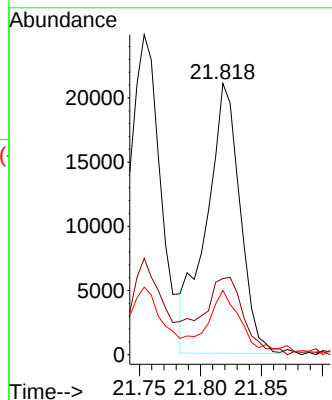
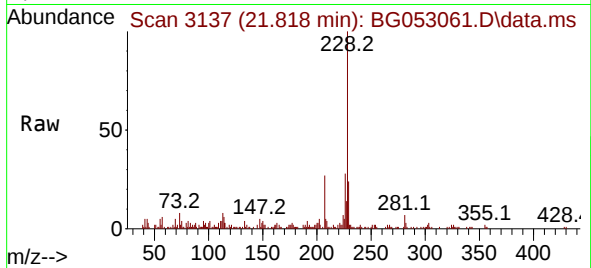




#83
Chrysene
Concen: 2.657 ng
RT: 21.818 min Scan# 3144
Delta R.T. -0.009 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

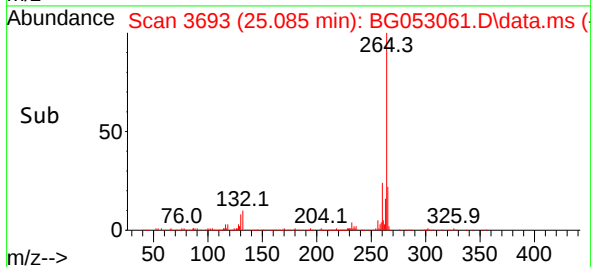
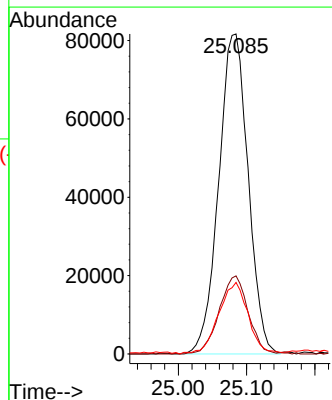
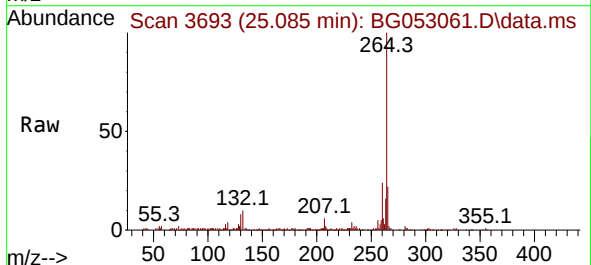
Instrument :
BNA_G
ClientSampleId :
A13015

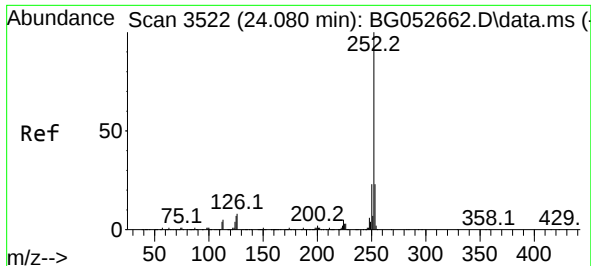
Tgt Ion:228 Resp: 40319
Ion Ratio Lower Upper
228 100
226 28.1 24.2 36.4
229 23.7 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.085 min Scan# 3693
Delta R.T. 0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:264 Resp: 245170
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.2
265 22.4 15.1 22.7

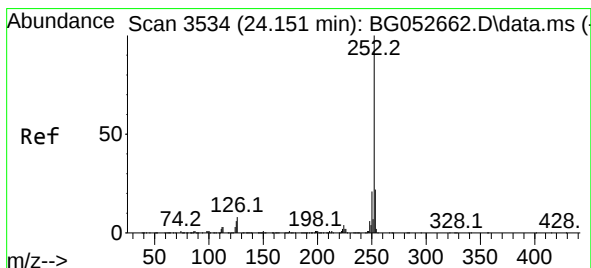
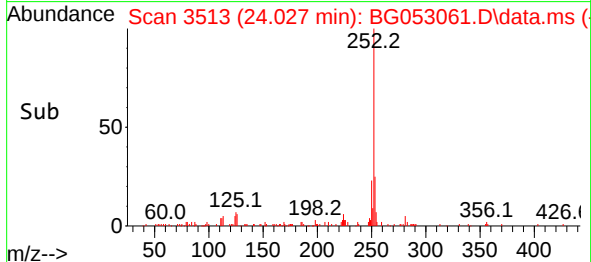
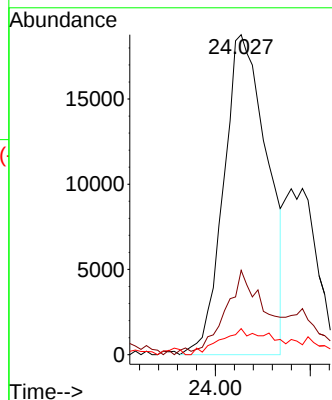
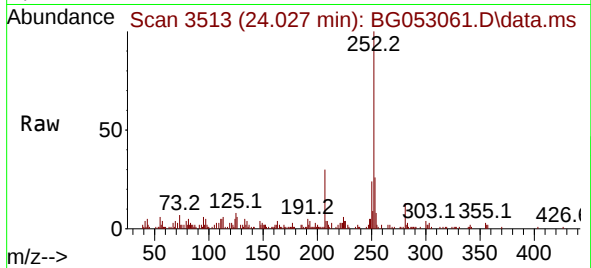




#88
Benzo(b)fluoranthene
Concen: 3.925 ng
RT: 24.027 min Scan# 3513
Delta R.T. -0.003 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

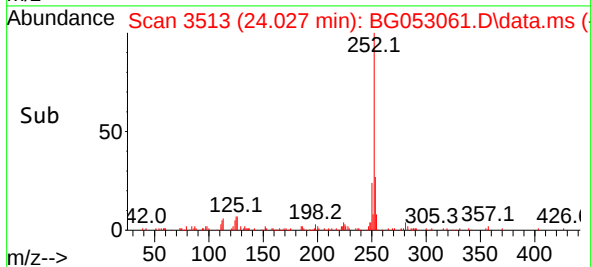
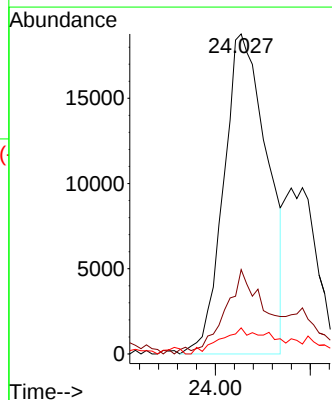
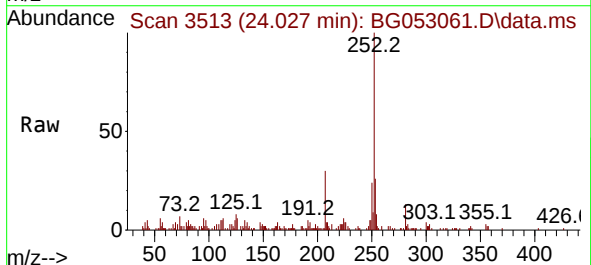
Instrument :
BNA_G
ClientSampleId :
A13015

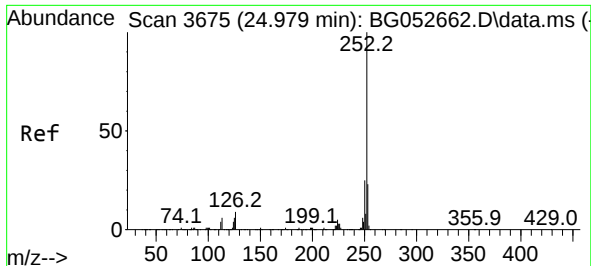
Tgt Ion:252 Resp: 59751
Ion Ratio Lower Upper
252 100
253 26.4 17.2 25.8#
125 8.2 5.2 7.8#



#89
Benzo(k)fluoranthene
Concen: 3.989 ng
RT: 24.027 min Scan# 3513
Delta R.T. -0.073 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:252 Resp: 59751
Ion Ratio Lower Upper
252 100
253 26.4 17.4 26.0#
125 8.2 5.0 7.4#

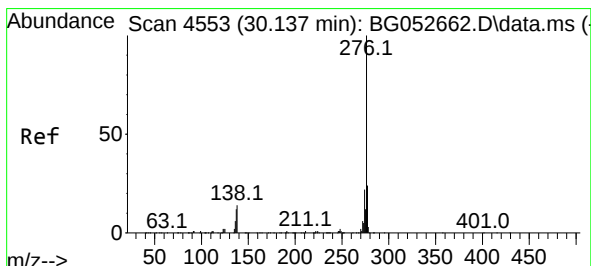
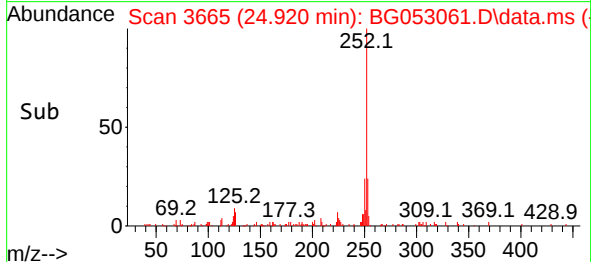
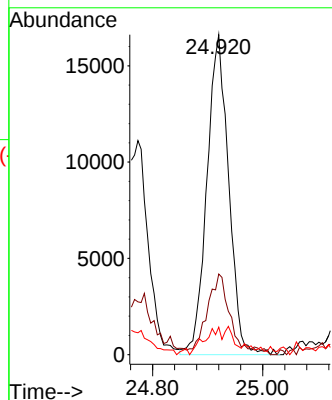
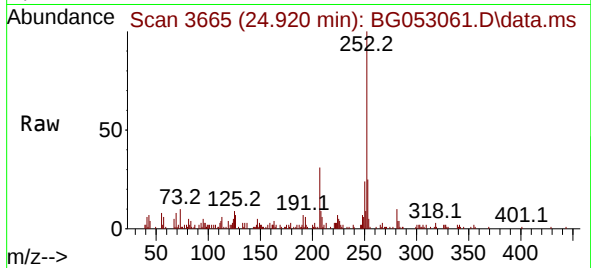




#90
Benzo(a)pyrene
Concen: 3.547 ng
RT: 24.920 min Scan# 30
Delta R.T. -0.009 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Instrument :
BNA_G
ClientSampleId :
A13015

Tgt Ion:252 Resp: 45710
Ion Ratio Lower Upper
252 100
253 25.2 18.4 27.6
125 8.6 5.6 8.4#



#92
Benzo(g,h,i)perylene
Concen: 3.325 ng
RT: 30.019 min Scan# 4533
Delta R.T. -0.032 min
Lab File: BG053061.D
Acq: 6 Apr 2022 19:05

Tgt Ion:276 Resp: 45488
Ion Ratio Lower Upper
276 100
277 20.2 18.2 27.2
138 11.8 9.1 13.7

