

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051322\
 Data File : BG053549.D
 Acq On : 13 May 2022 19:05
 Operator : CG/JU
 Sample : N2762-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB16

Quant Time: May 14 03:14:25 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 11 06:00:46 2022
 Response via : Initial Calibration

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

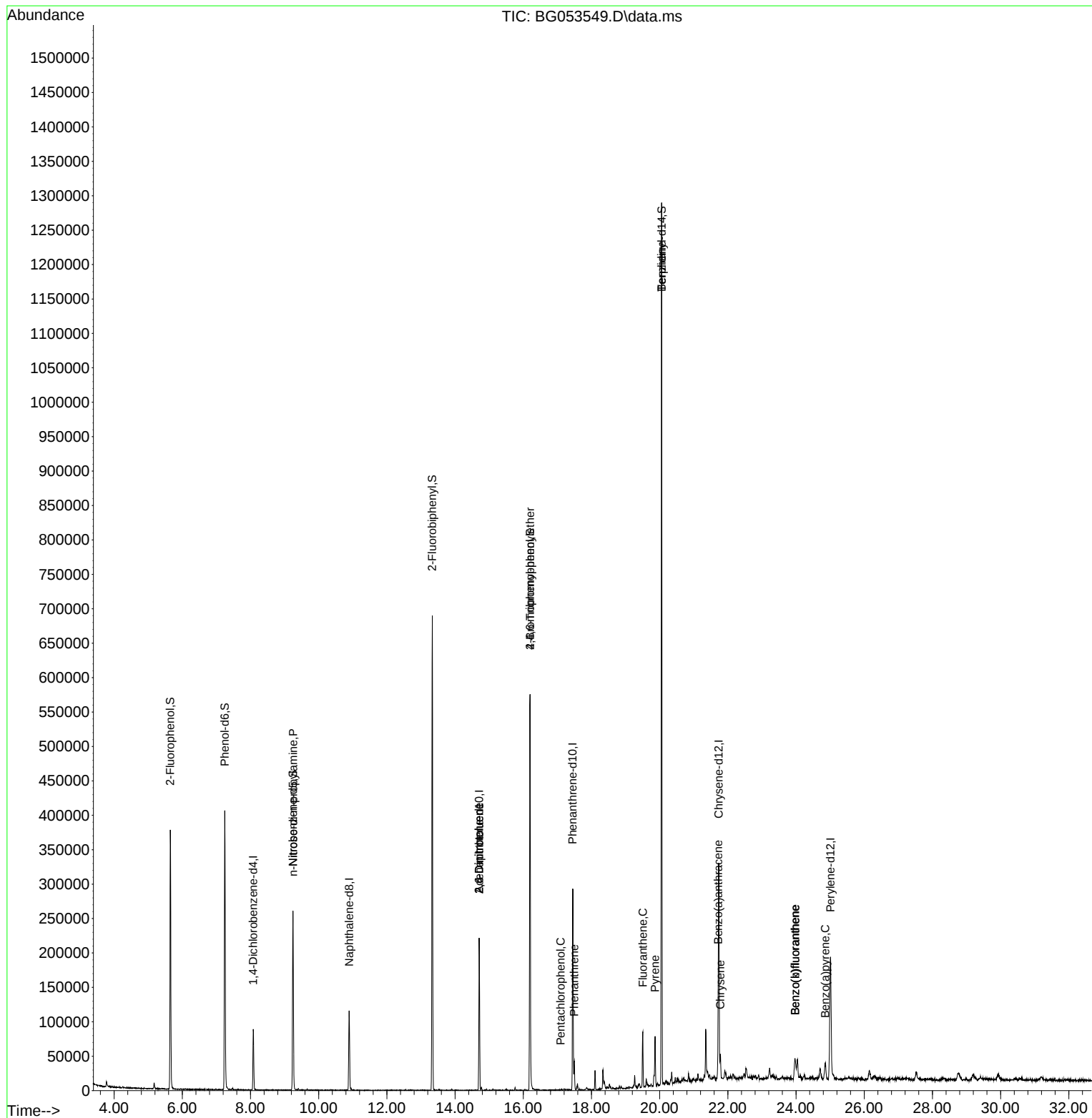
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	24387	20.000	ng	0.00
21) Naphthalene-d8	10.895	136	99169	20.000	ng	0.00
39) Acenaphthene-d10	14.708	164	78333	20.000	ng	0.00
64) Phenanthrene-d10	17.451	188	190821	20.000	ng	0.00
76) Chrysene-d12	21.733	240	190110	20.000	ng	0.00
86) Perylene-d12	25.011	264	193974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	155477	108.199	ng	0.00
7) Phenol-d6	7.247	99	235379	107.933	ng	0.00
23) Nitrobenzene-d5	9.244	82	171108	73.448	ng	0.00
42) 2,4,6-Tribromophenol	16.200	330	123684	107.056	ng	0.00
45) 2-Fluorobiphenyl	13.333	172	363665	67.841	ng	0.00
79) Terphenyl-d14	20.059	244	662407	64.895	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.250	70	23728	15.165	ng	# 73
51) 2,6-Dinitrotoluene	14.708	165	9533	7.861	ng	# 16
57) 2,4-Dinitrotoluene	14.708	165	9533	5.423	ng	# 21
67) 4-Bromophenyl-phenylether	16.200	248	8136	3.651	ng	# 1
70) Pentachlorophenol	17.098	266	54	4.689	ng	# 16
71) Phenanthrene	17.498	178	29044	2.993	ng	98
75) Fluoranthene	19.507	202	55278	4.400	ng	97
77) Benzidine	20.059	184	10524	2.568	ng	# 90
78) Pyrene	19.865	202	47675	3.874	ng	99
81) Benzo(a)anthracene	21.716	228	30573	2.521	ng	98
83) Chrysene	21.780	228	25866	2.284	ng	93
88) Benzo(b)fluoranthene	23.977	252	38850	3.384	ng	97
89) Benzo(k)fluoranthene	23.977	252	38850	3.443	ng	96
90) Benzo(a)pyrene	24.859	252	28469	2.913	ng	99

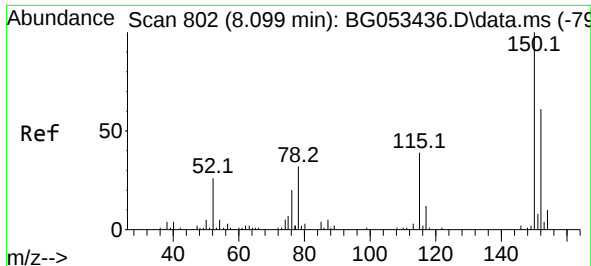
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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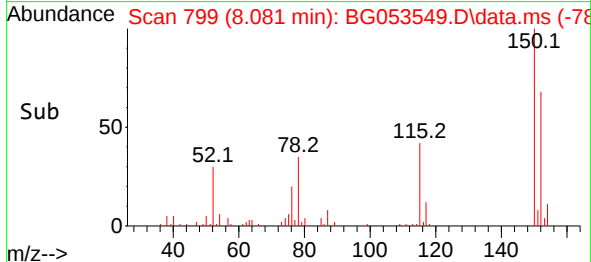
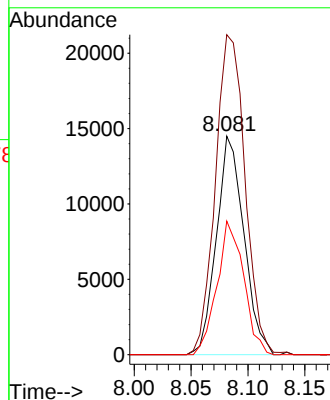
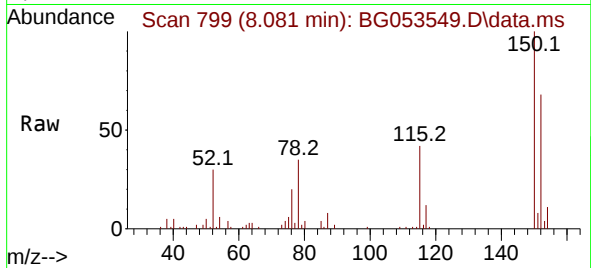




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.081 min Scan# 79
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

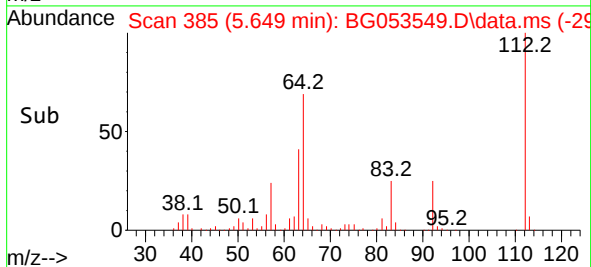
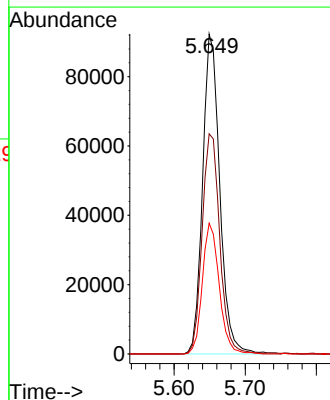
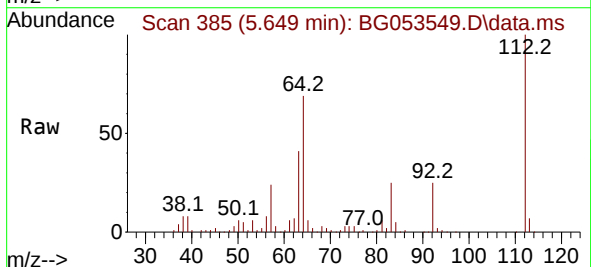
Instrument :
BNA_G
ClientSampleId :
SB16

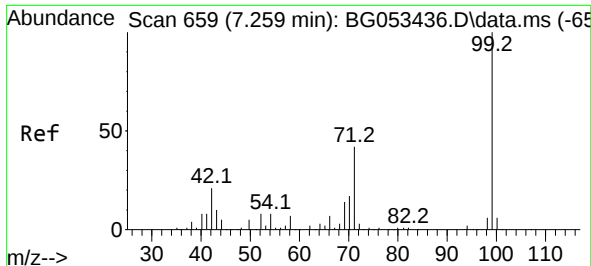
Tgt Ion:152 Resp: 24387
Ion Ratio Lower Upper
152 100
150 146.4 131.6 197.4
115 61.1 50.9 76.3



#5
2-Fluorophenol
Concen: 108.199 ng
RT: 5.649 min Scan# 385
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:112 Resp: 155477
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 40.9 30.4 45.6

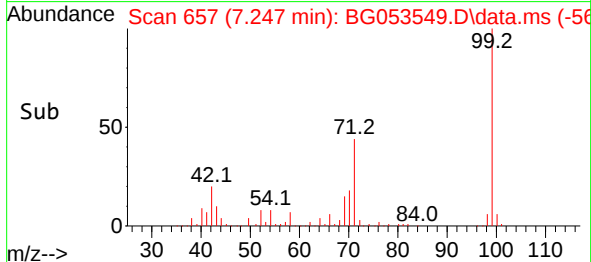
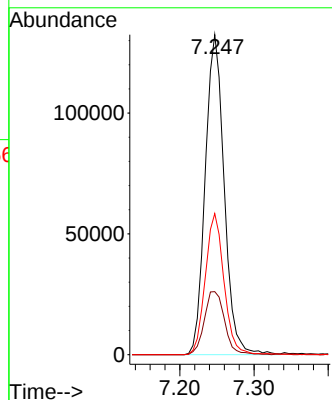
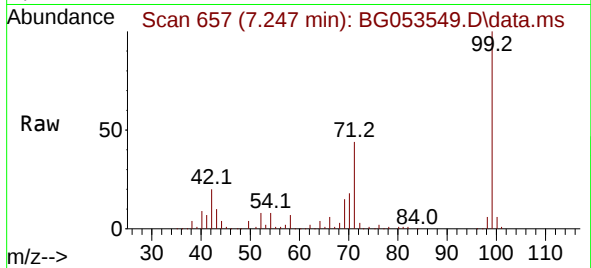




#7
Phenol-d6
Concen: 107.933 ng
RT: 7.247 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

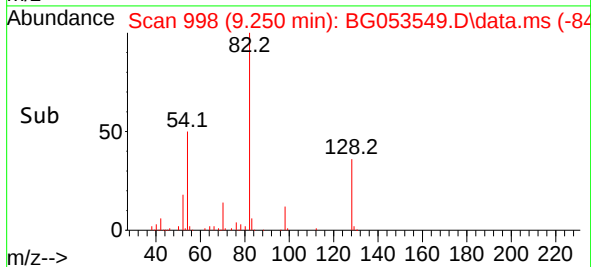
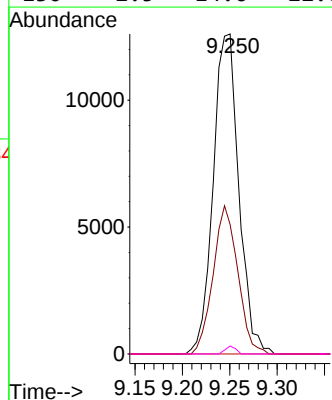
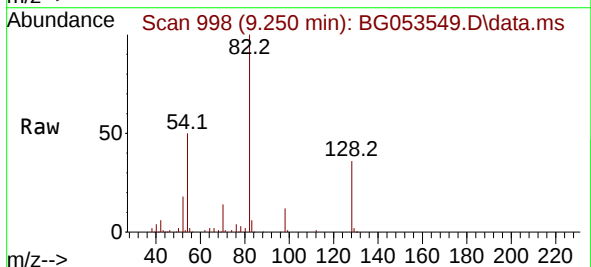
Instrument :
BNA_G
ClientSampleId :
SB16

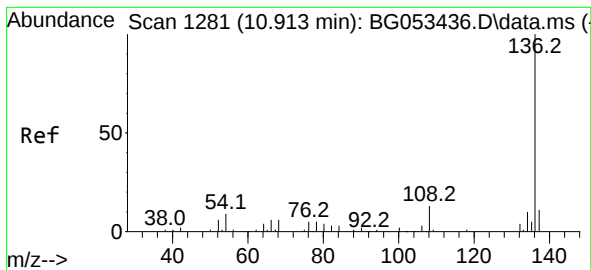
Tgt Ion: 99 Resp: 235379
Ion Ratio Lower Upper
99 100
42 19.7 17.0 25.6
71 44.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.165 ng
RT: 9.250 min Scan# 998
Delta R.T. 0.362 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion: 70 Resp: 23728
Ion Ratio Lower Upper
70 100
42 40.5 47.3 70.9#
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.895 min Scan# 11

Delta R.T. -0.002 min

Lab File: BG053549.D

Acq: 13 May 2022 19:05

Instrument :

BNA_G

ClientSampleId :

SB16

Tgt Ion:136 Resp: 99169

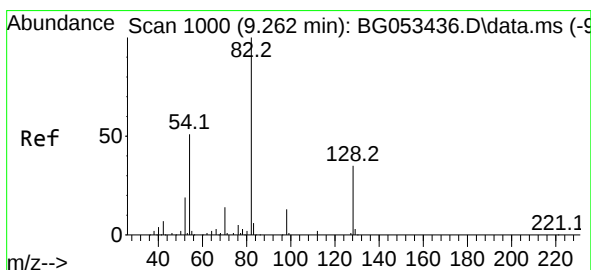
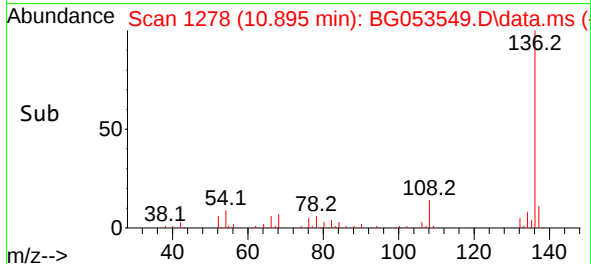
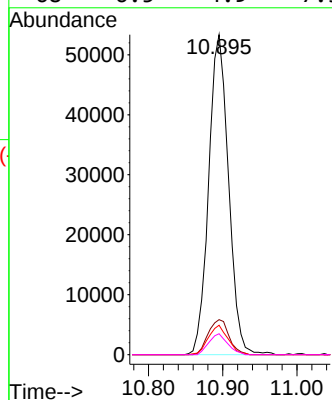
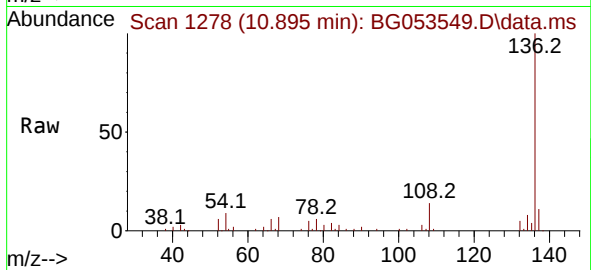
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 9.2 7.4 11.2

68 6.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 73.448 ng

RT: 9.244 min Scan# 997

Delta R.T. -0.008 min

Lab File: BG053549.D

Acq: 13 May 2022 19:05

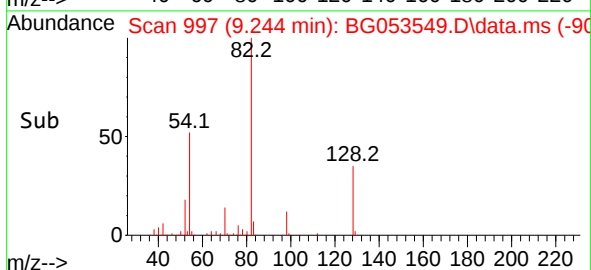
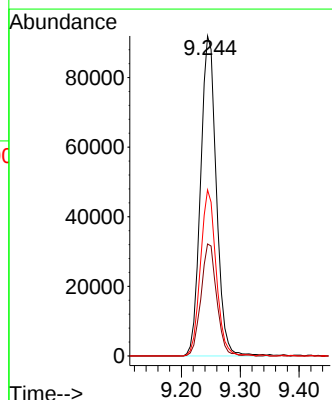
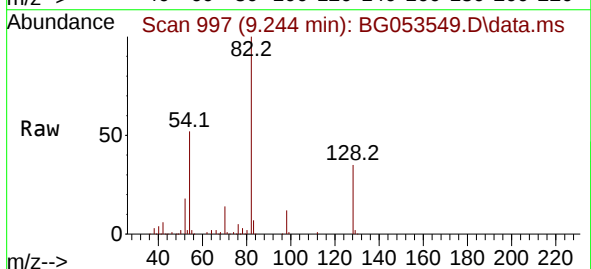
Tgt Ion: 82 Resp: 171108

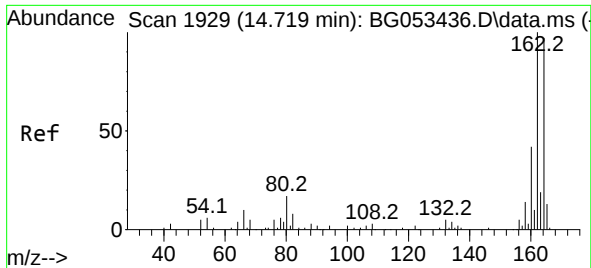
Ion Ratio Lower Upper

82 100

128 35.0 27.9 41.9

54 51.9 41.2 61.8

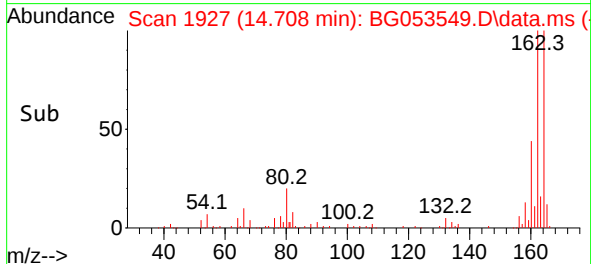
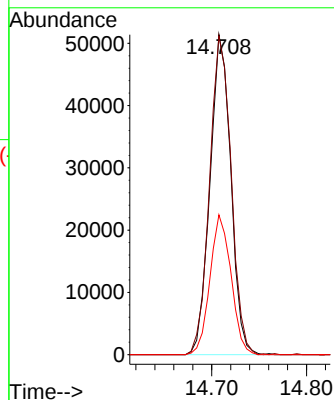
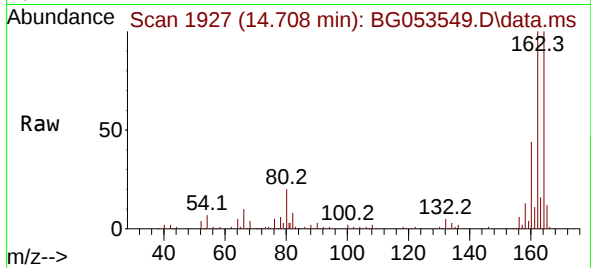




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.708 min Scan# 1927
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

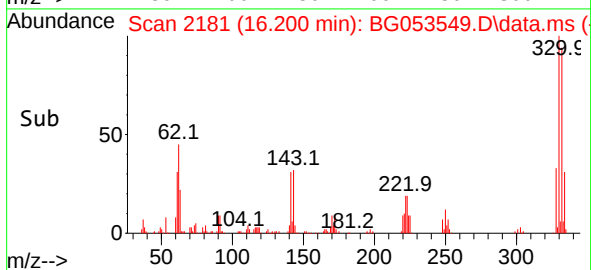
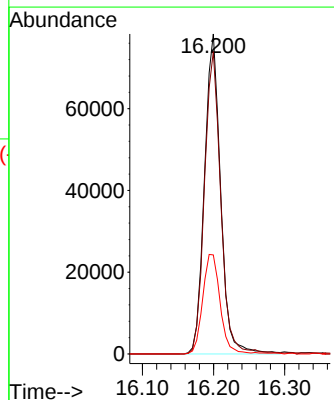
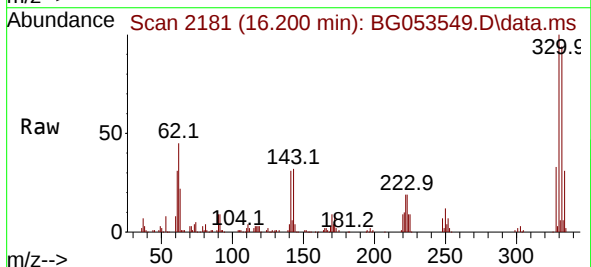
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Tgt Ion:164 Resp: 78333
Ion Ratio Lower Upper
164 100
162 99.6 82.3 123.5
160 43.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 107.056 ng
RT: 16.200 min Scan# 2181
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:330 Resp: 123684
Ion Ratio Lower Upper
330 100
332 95.4 76.0 114.0
141 34.0 27.1 40.7

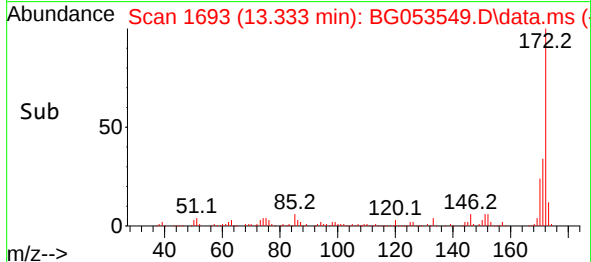
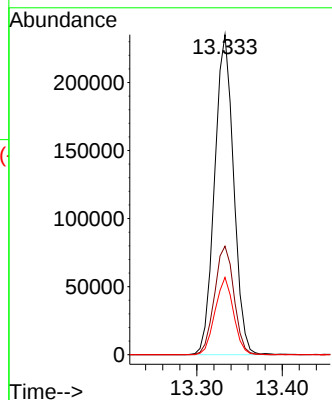
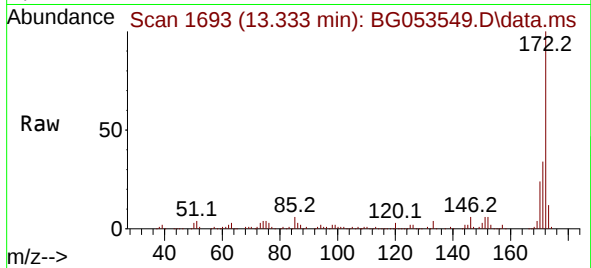




#45
2-Fluorobiphenyl
Concen: 67.841 ng
RT: 13.333 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

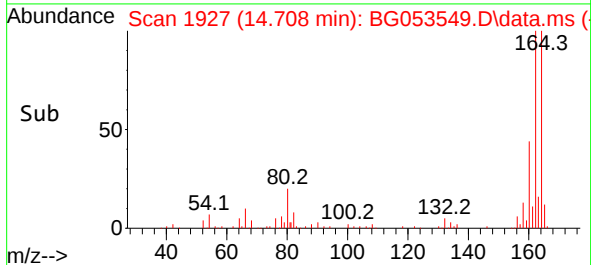
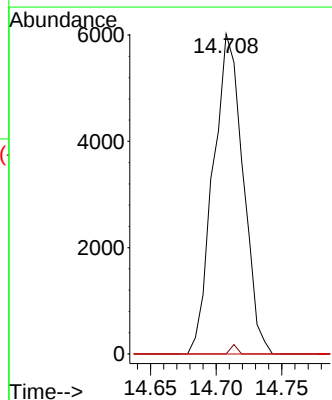
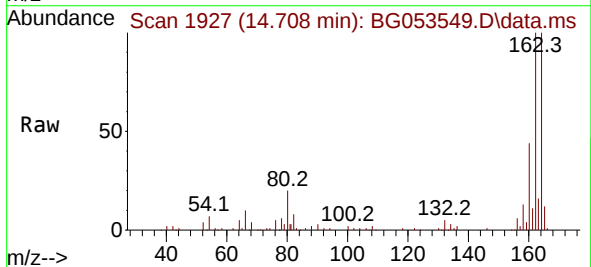
Instrument :
BNA_G
ClientSampleId :
SB16

Tgt Ion:172 Resp: 363665
Ion Ratio Lower Upper
172 100
171 33.9 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.861 ng
RT: 14.708 min Scan# 1927
Delta R.T. 0.427 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:165 Resp: 9533
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

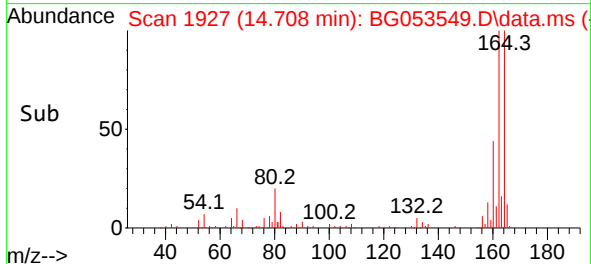
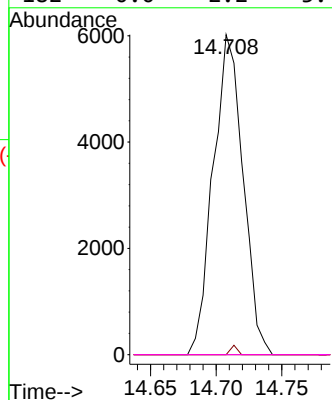
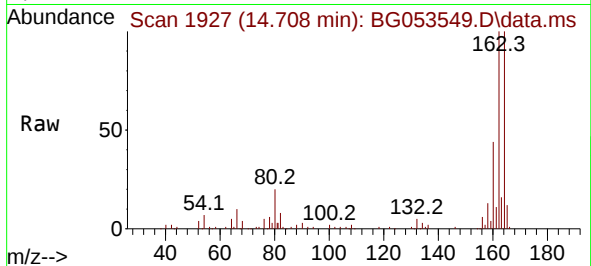




#57
2,4-Dinitrotoluene
Concen: 5.423 ng
RT: 14.708 min Scan# 1927
Delta R.T. -0.367 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

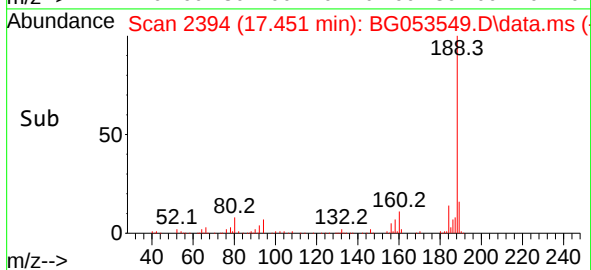
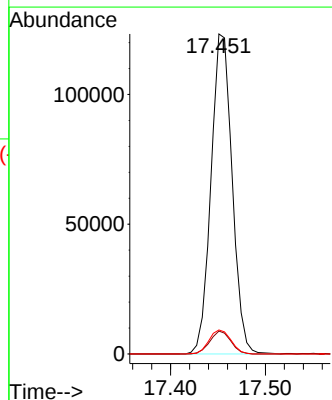
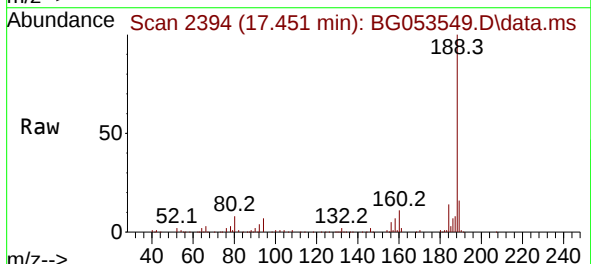
Instrument :
BNA_G
ClientSampleId :
SB16

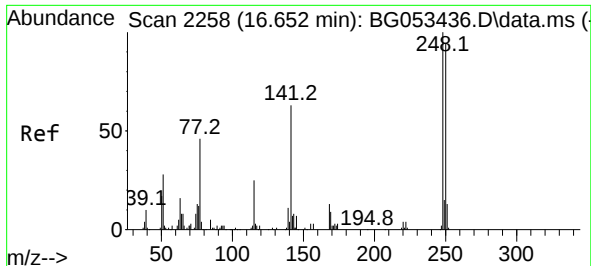
Tgt Ion:165	Resp:	9533
Ion Ratio	Lower	Upper
165	100	
63	0.0	34.6
89	0.0	60.3
182	0.0	2.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.451 min Scan# 2394
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:188	Resp:	190821
Ion Ratio	Lower	Upper
188	100	
94	7.1	5.4
80	7.5	6.8

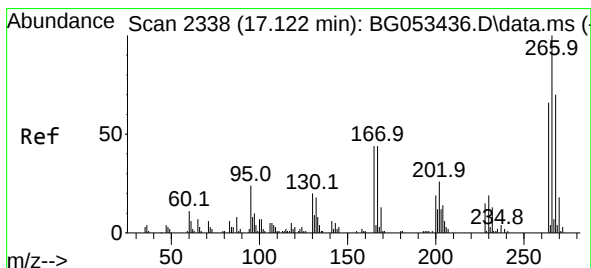
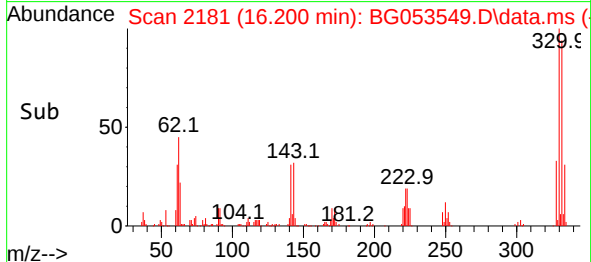
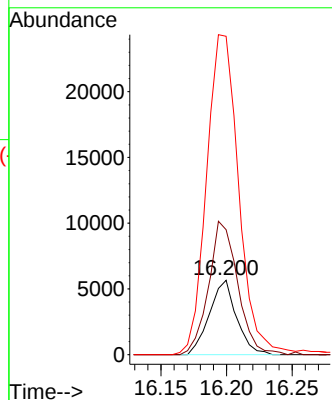
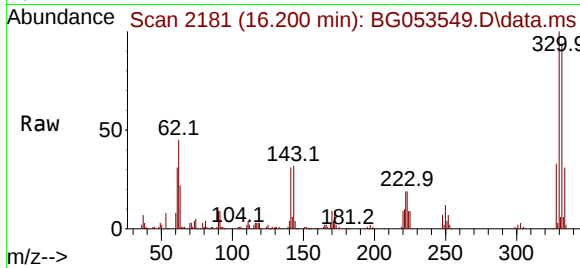




#67
4-Bromophenyl-phenylether
Concen: 3.651 ng
RT: 16.200 min Scan# 2181
Delta R.T. -0.443 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

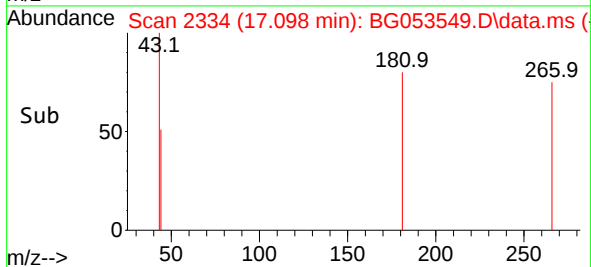
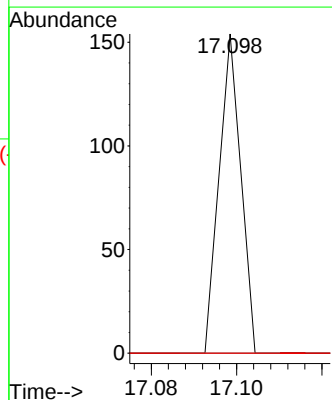
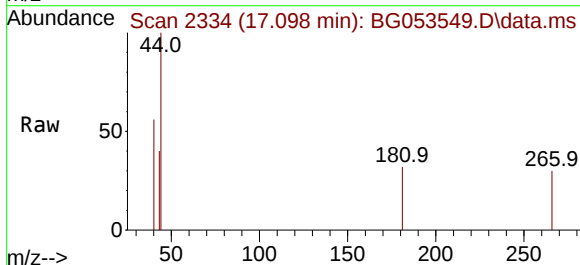
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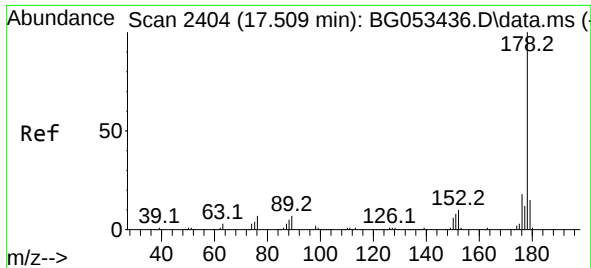
Tgt Ion:248 Resp: 8136
Ion Ratio Lower Upper
248 100
250 168.0 75.2 112.8#
141 428.1 50.0 75.0#



#70
Pentachlorophenol
Concen: 4.689 ng
RT: 17.098 min Scan# 2334
Delta R.T. -0.020 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:266 Resp: 54
Ion Ratio Lower Upper
266 100
268 0.0 56.2 84.2#
264 0.0 53.0 79.4#

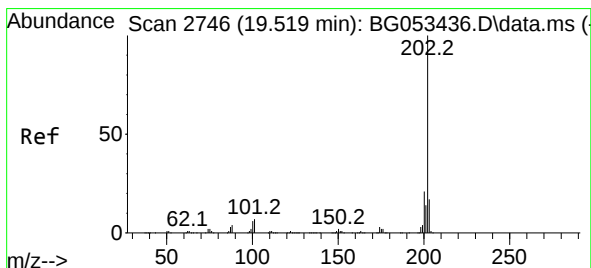
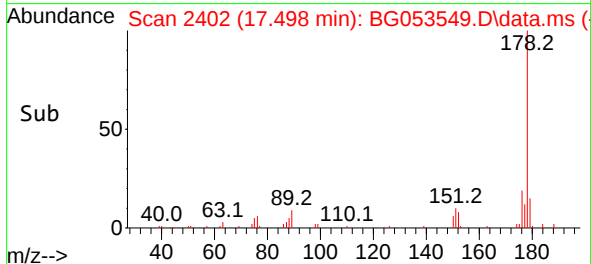
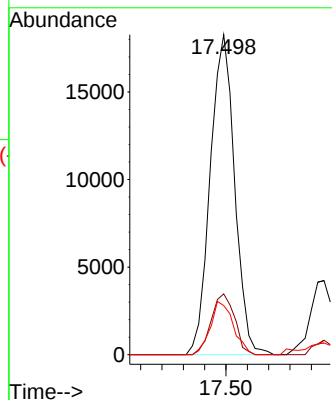
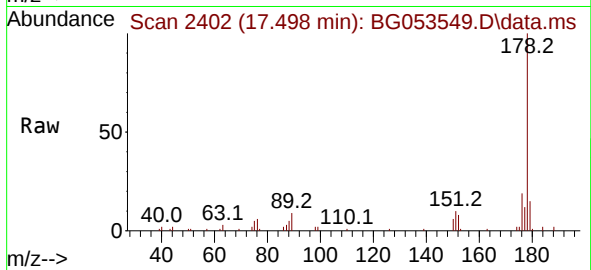




#71
Phenanthrene
Concen: 2.993 ng
RT: 17.498 min Scan# 2402
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

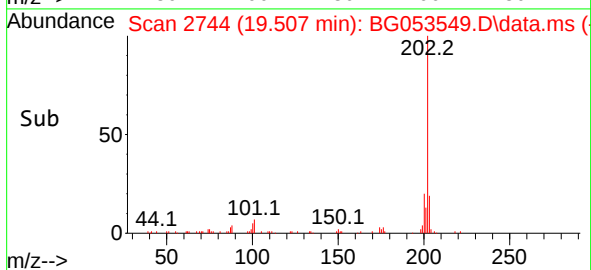
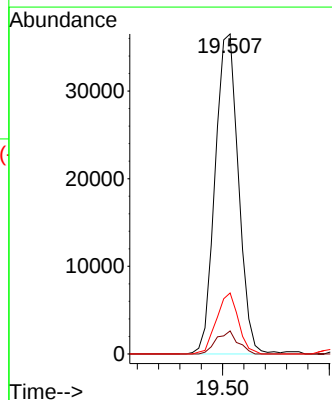
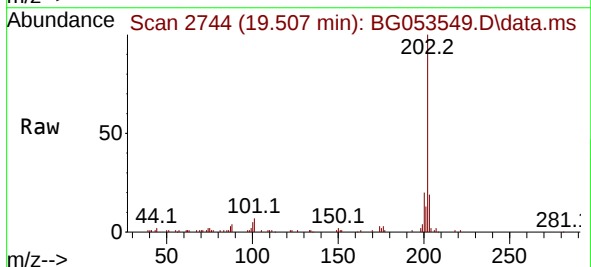
Instrument :
BNA_G
ClientSampleId :
SB16

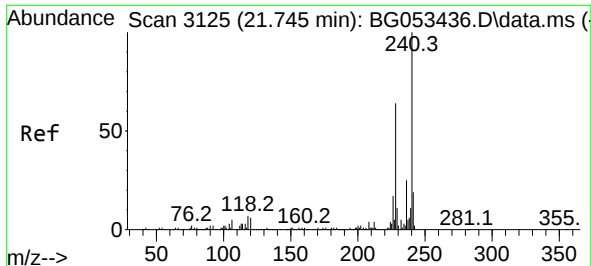
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Ion Ratio Lower Upper
178 100
176 19.0 14.1 21.1
179 15.4 12.1 18.1



#75
Fluoranthene
Concen: 4.400 ng
RT: 19.507 min Scan# 2744
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:202 Resp: 55278
Ion Ratio Lower Upper
202 100
101 7.2 0.0 26.9
203 19.0 0.0 37.2

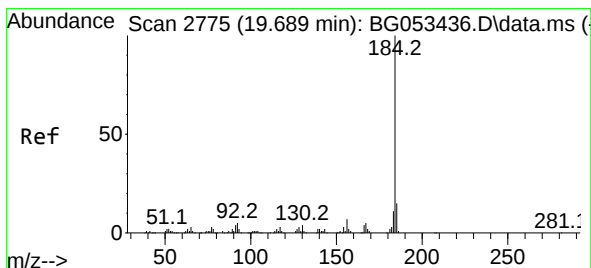
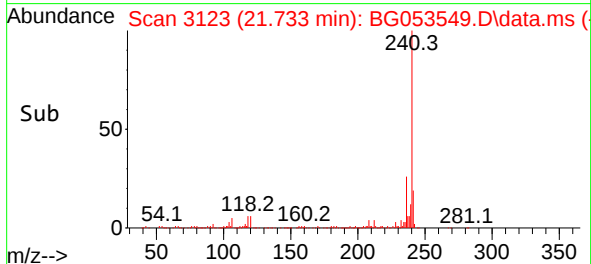
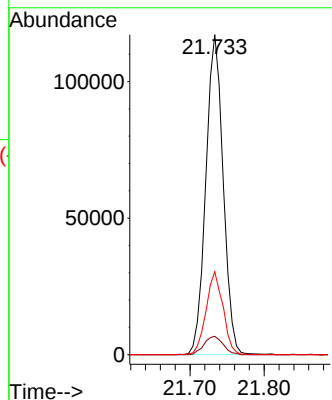
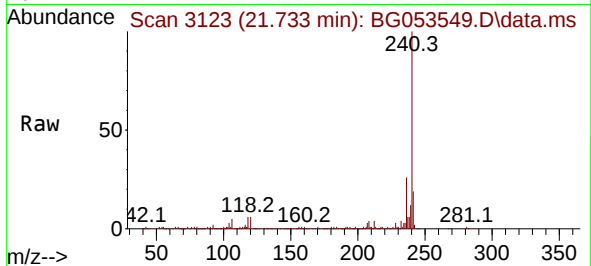




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.733 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

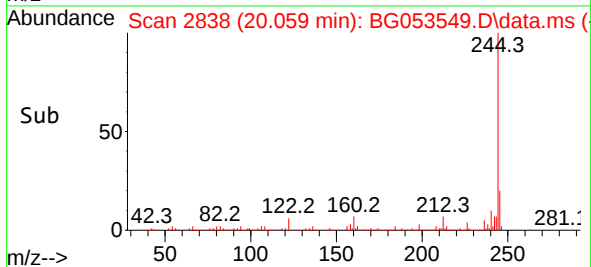
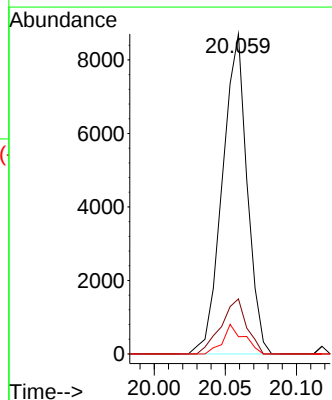
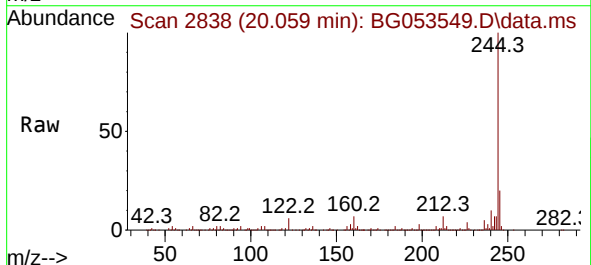
Instrument :
BNA_G
ClientSampleId :
SB16

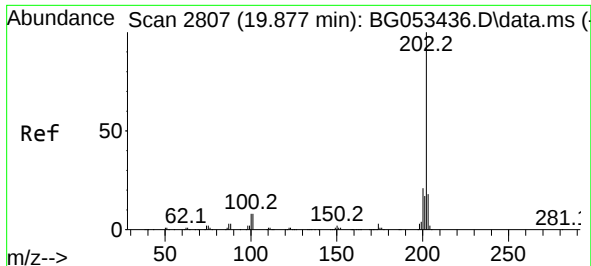
Tgt Ion:240 Resp: 190110
Ion Ratio Lower Upper
240 100
120 5.7 4.6 7.0
236 26.0 20.2 30.4



#77
Benzidine
Concen: 2.568 ng
RT: 20.059 min Scan# 2838
Delta R.T. 0.380 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:184 Resp: 10524
Ion Ratio Lower Upper
184 100
185 17.2 11.8 17.6
183 5.4 8.9 13.3#

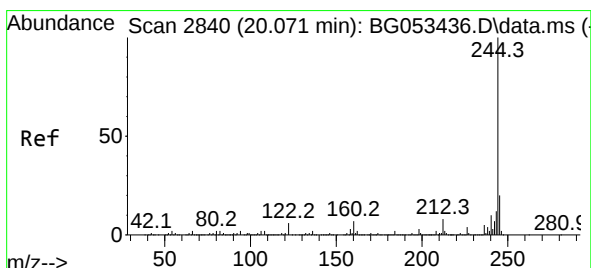
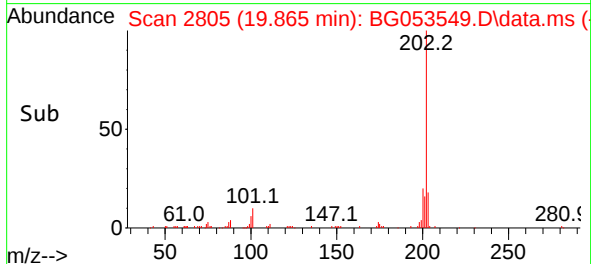
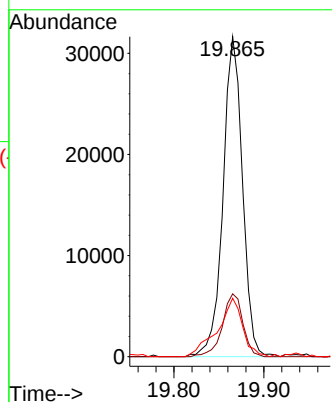
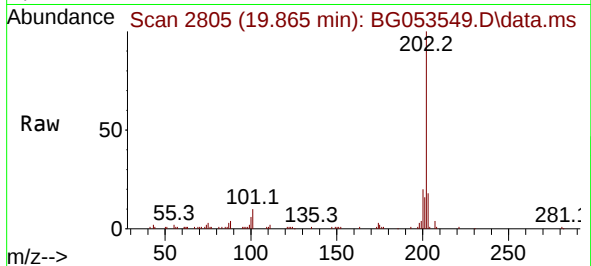




#78
 Pyrene
 Concen: 3.874 ng
 RT: 19.865 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG053549.D
 Acq: 13 May 2022 19:05

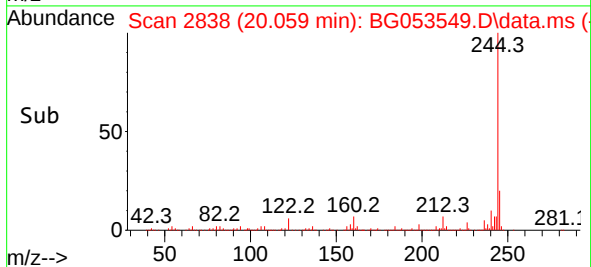
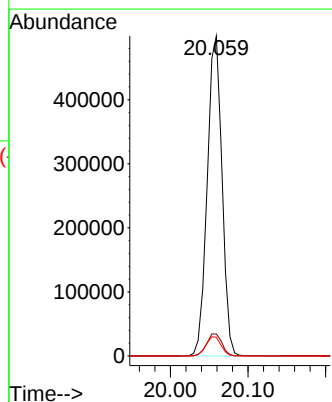
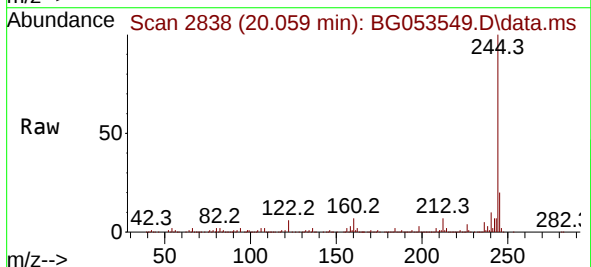
Instrument :
 BNA_G
 ClientSampleId :
 SB16

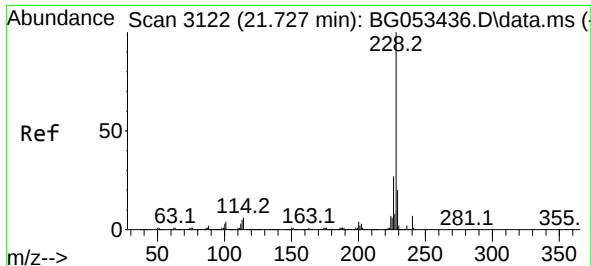
Tgt Ion:202 Resp: 47675
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.6 24.8
 203 18.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 64.895 ng
 RT: 20.059 min Scan# 2838
 Delta R.T. -0.002 min
 Lab File: BG053549.D
 Acq: 13 May 2022 19:05

Tgt Ion:244 Resp: 662407
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 5.8 5.0 7.4

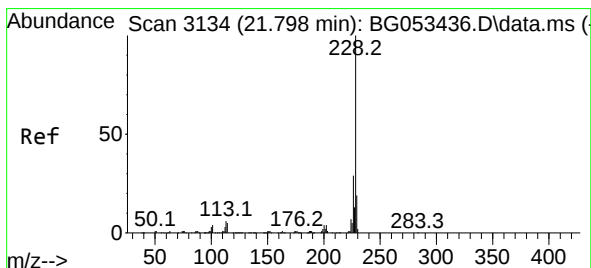
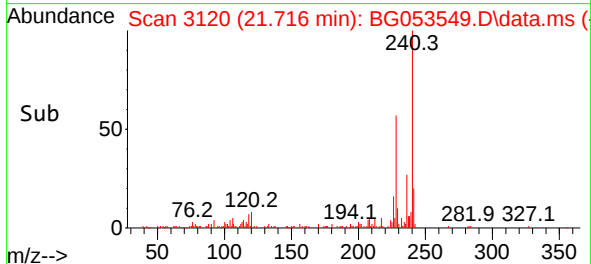
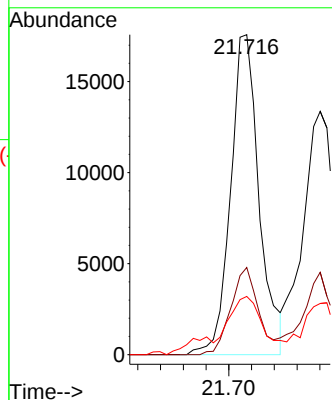
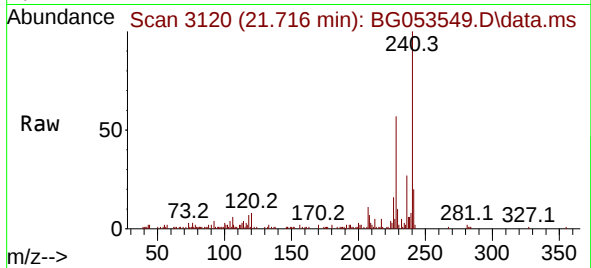




#81
Benzo(a)anthracene
Concen: 2.521 ng
RT: 21.716 min Scan# 3120
Delta R.T. -0.002 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

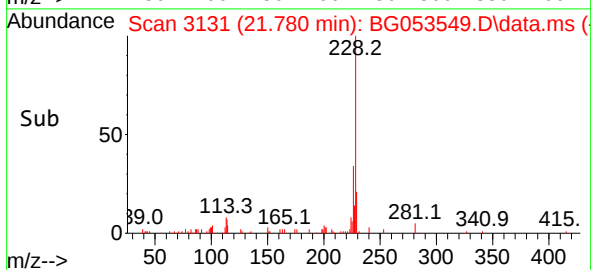
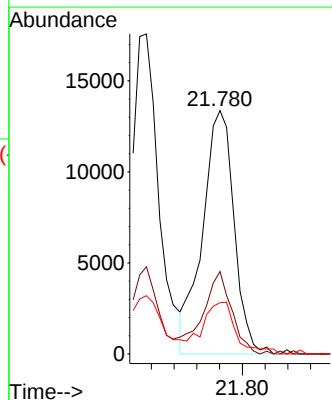
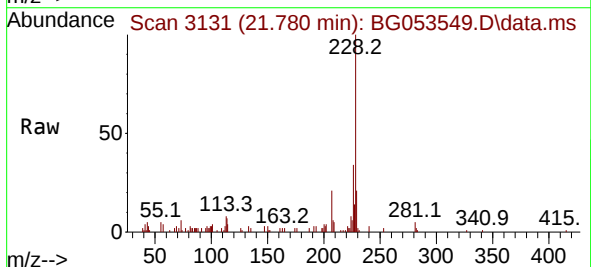
Instrument :
BNA_G
ClientSampleId :
SB16

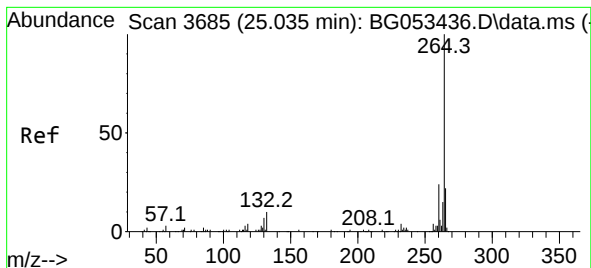
Tgt Ion:228 Resp: 30573
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 18.2 16.2 24.2



#83
Chrysene
Concen: 2.284 ng
RT: 21.780 min Scan# 3131
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:228 Resp: 25866
Ion Ratio Lower Upper
228 100
226 33.9 23.4 35.2
229 21.0 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.011 min Scan# 3

Delta R.T. -0.008 min

Lab File: BG053549.D

Acq: 13 May 2022 19:05

Instrument :

BNA_G

ClientSampleId :

SB16

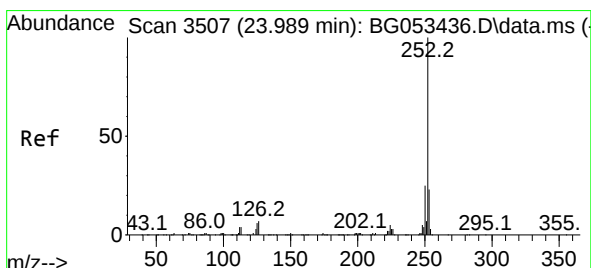
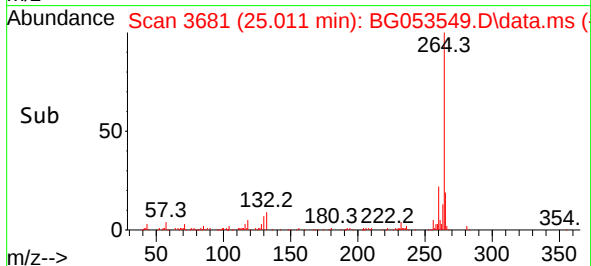
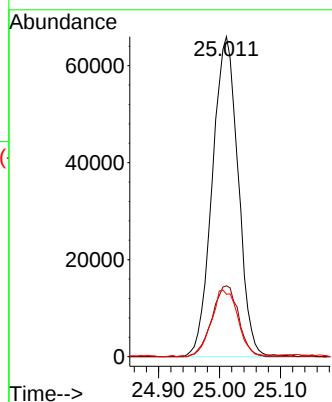
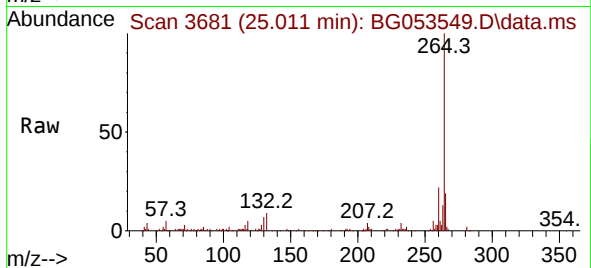
Tgt Ion:264 Resp: 193974

Ion Ratio Lower Upper

264 100

260 22.2 19.0 28.6

265 19.5 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.384 ng

RT: 23.977 min Scan# 3505

Delta R.T. -0.002 min

Lab File: BG053549.D

Acq: 13 May 2022 19:05

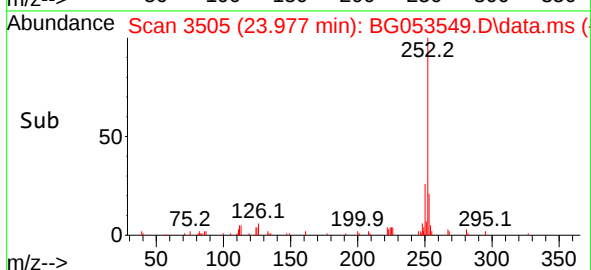
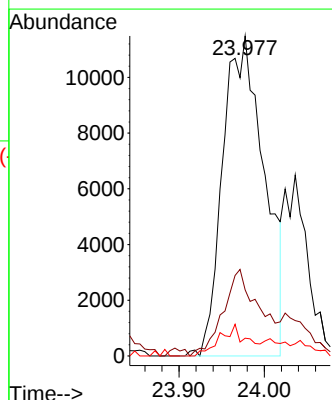
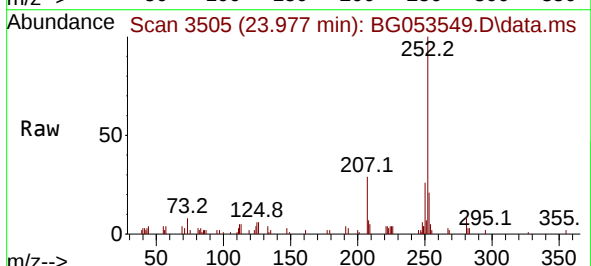
Tgt Ion:252 Resp: 38850

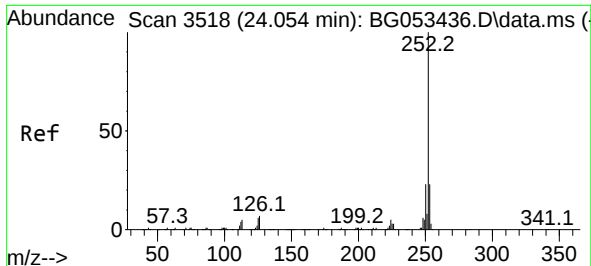
Ion Ratio Lower Upper

252 100

253 20.6 18.0 27.0

125 5.5 4.6 6.8

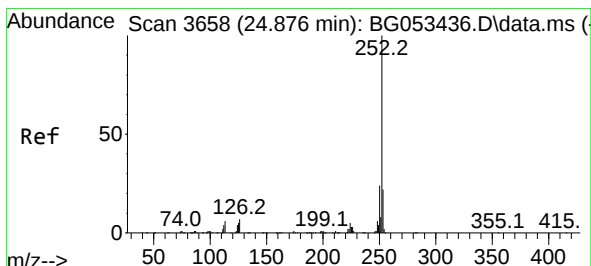
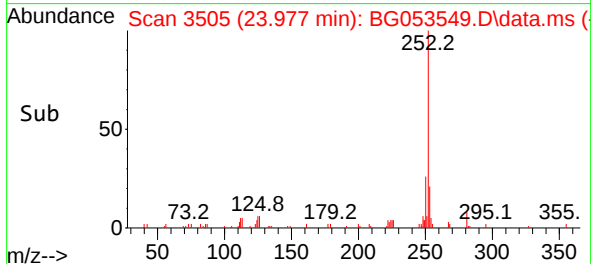
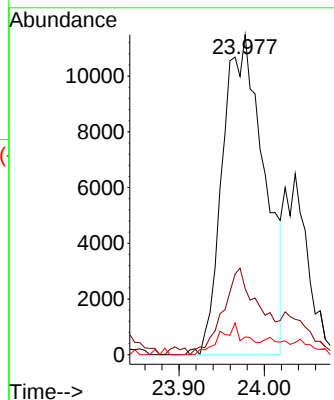
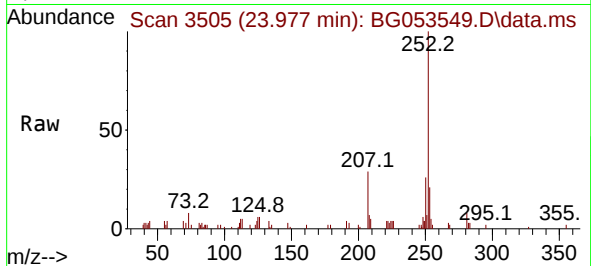




#89
Benzo(k)fluoranthene
Concen: 3.443 ng
RT: 23.977 min Scan# 31
Delta R.T. -0.067 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Instrument :
BNA_G
ClientSampleId :
SB16

Tgt Ion:252 Resp: 38850
Ion Ratio Lower Upper
252 100
253 20.6 18.4 27.6
125 5.5 4.8 7.2



#90
Benzo(a)pyrene
Concen: 2.913 ng
RT: 24.859 min Scan# 3655
Delta R.T. -0.008 min
Lab File: BG053549.D
Acq: 13 May 2022 19:05

Tgt Ion:252 Resp: 28469
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.7 4.3 6.5

