

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
 Data File : BG052327.D
 Acq On : 8 Feb 2022 20:06
 Operator : CG/JU
 Sample : N1401-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-124035

Quant Time: Feb 09 01:26:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

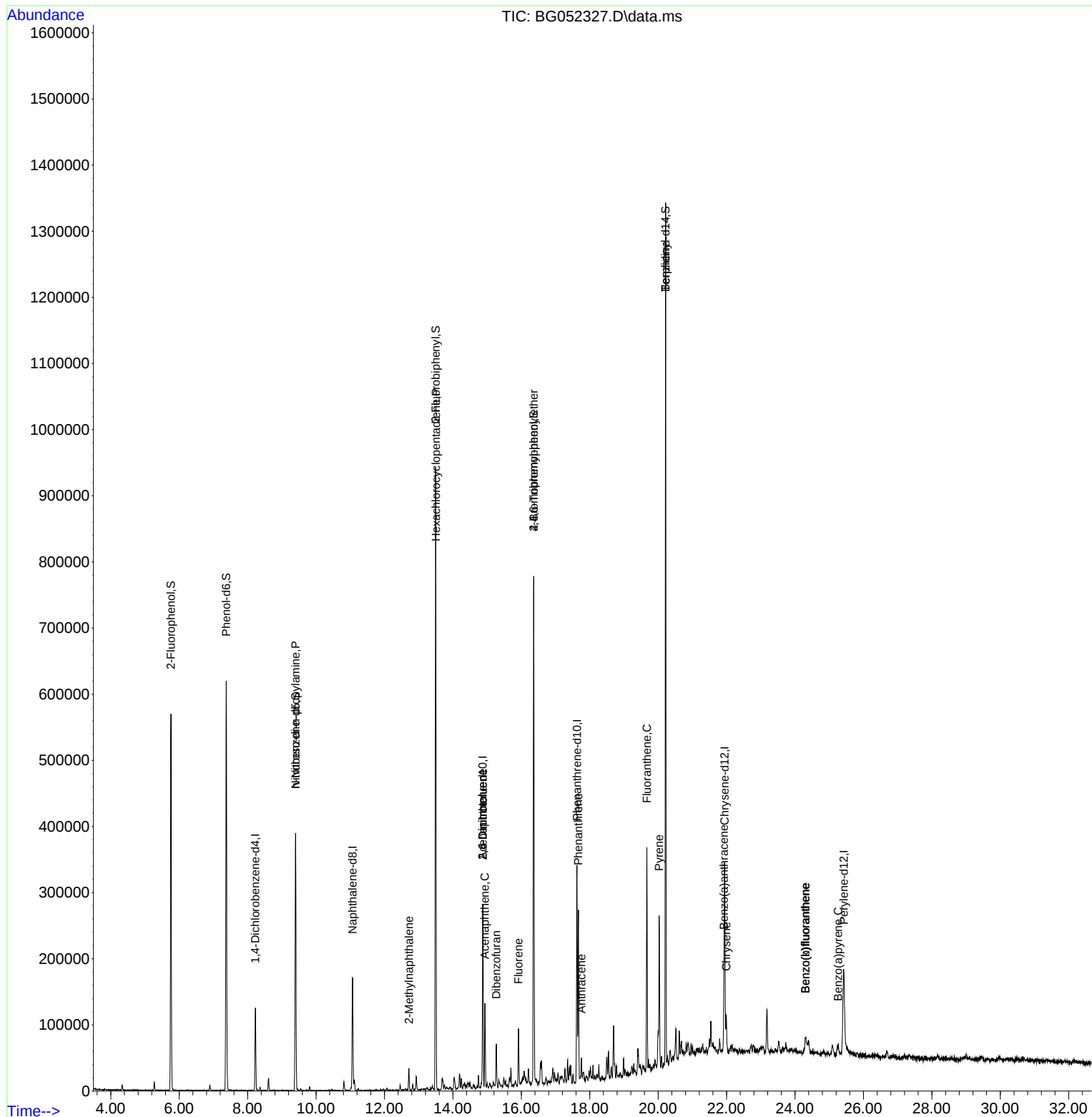
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	36554	20.000	ng	0.00
21) Naphthalene-d8	11.071	136	153282	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	99697	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	205341	20.000	ng	0.00
76) Chrysene-d12	21.944	240	183420	20.000	ng	0.00
86) Perylene-d12	25.422	264	172735	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.760	112	241522	115.155	ng	0.01
7) Phenol-d6	7.376	99	349222	107.914	ng	0.00
23) Nitrobenzene-d5	9.402	82	248797	70.543	ng	0.00
42) 2,4,6-Tribromophenol	16.364	330	156573	109.315	ng	0.00
45) 2-Fluorobiphenyl	13.497	172	491412	68.491	ng	0.00
79) Terphenyl-d14	20.217	244	614284	59.140	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.402	70	34616	14.189	ng	# 70
37) 2-Methylnaphthalene	12.716	142	15240	2.553	ng	94
41) Hexachlorocyclopentadiene	13.503	237	60	5.295	ng	# 25
51) 2,6-Dinitrotoluene	14.872	165	14281	8.665	ng	# 16
52) Acenaphthene	14.936	154	45633	7.600	ng	99
55) Dibenzofuran	15.271	168	37152	3.934	ng	96
57) 2,4-Dinitrotoluene	14.872	165	14281	6.088	ng	# 15
58) Fluorene	15.917	166	37628	4.992	ng	# 98
67) 4-Bromophenyl-phenylether	16.364	248	10021	4.013	ng	# 1
71) Phenanthrene	17.668	178	158149	14.940	ng	98
72) Anthracene	17.756	178	23821	2.296	ng	97
75) Fluoranthene	19.671	202	219681	16.298	ng	98
77) Benzidine	20.217	184	9971	2.544	ng	# 89
78) Pyrene	20.029	202	155107	12.638	ng	98
81) Benzo(a)anthracene	21.921	228	46213	3.807	ng	96
83) Chrysene	21.991	228	44524	3.871	ng	94
88) Benzo(b)fluoranthene	24.306	252	32073	2.980	ng	98
89) Benzo(k)fluoranthene	24.306	252	32073	3.016	ng	# 96
90) Benzo(a)pyrene	25.257	252	19992	2.199	ng	# 89

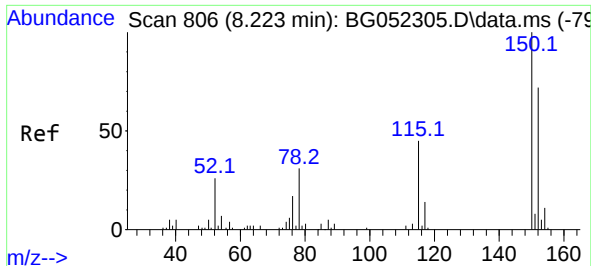
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020822\
Data File : BG052327.D
Acq On : 8 Feb 2022 20:06
Operator : CG/JU
Sample : N1401-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RO-124035

Quant Time: Feb 09 01:26:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration

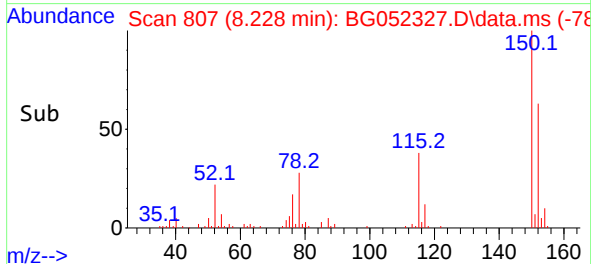
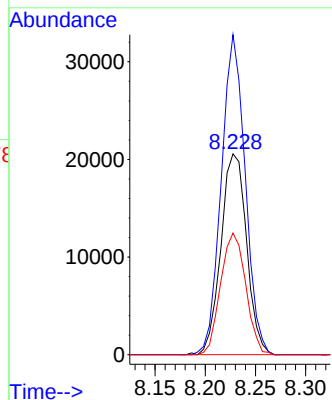
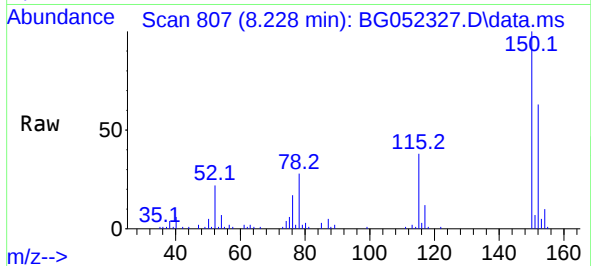




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 806
Delta R.T. 0.005 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

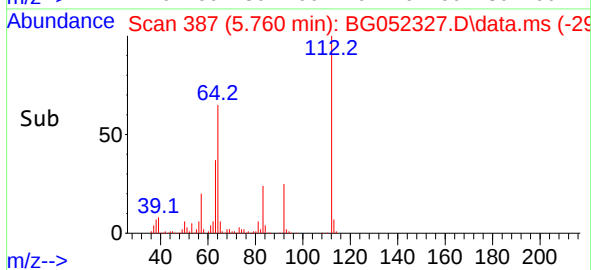
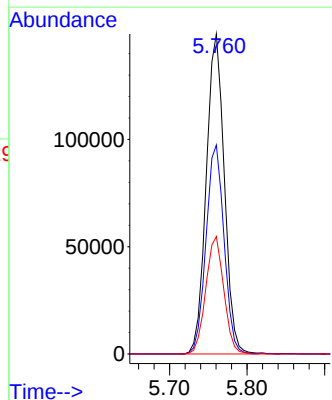
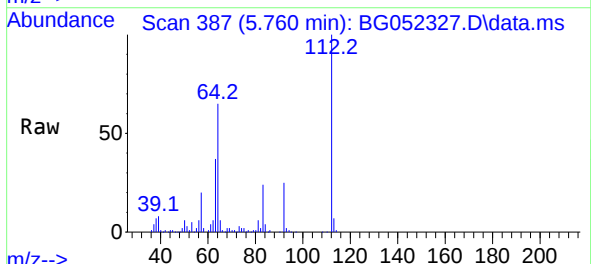
Instrument :
BNA_G
ClientSampleId :
RO-124035

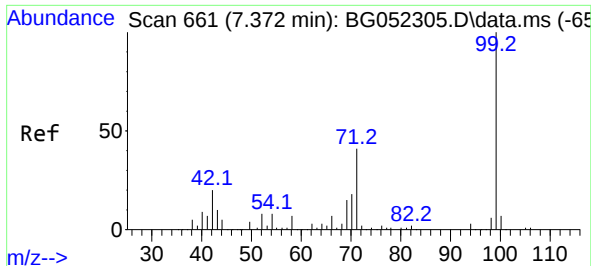
Tgt Ion:152 Resp: 36554
Ion Ratio Lower Upper
152 100
150 159.4 117.8 176.8
115 60.6 50.2 75.2



#5
2-Fluorophenol
Concen: 115.155 ng
RT: 5.760 min Scan# 387
Delta R.T. 0.010 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:112 Resp: 241522
Ion Ratio Lower Upper
112 100
64 65.3 60.4 90.6
63 36.7 33.3 49.9

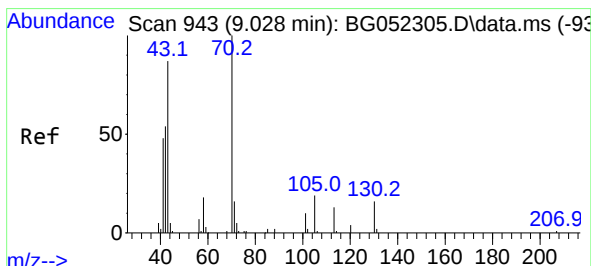
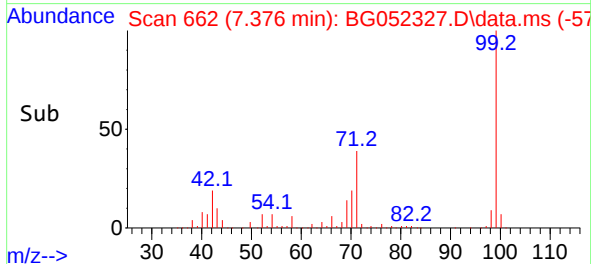
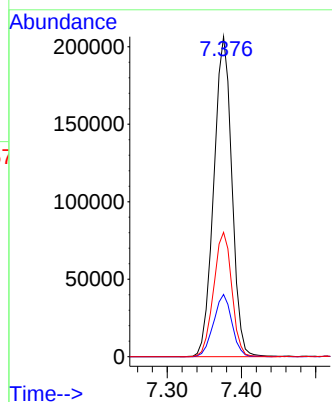
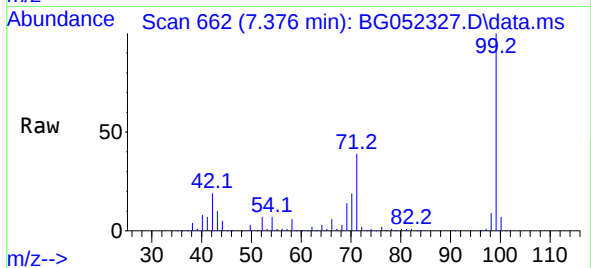




#7
Phenol-d6
Concen: 107.914 ng
RT: 7.376 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

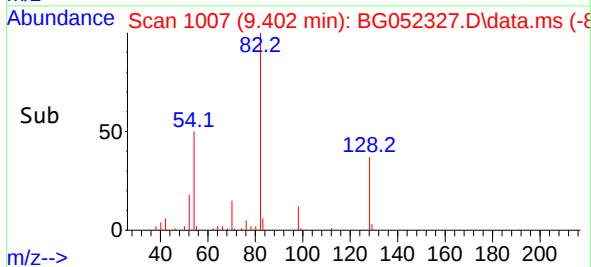
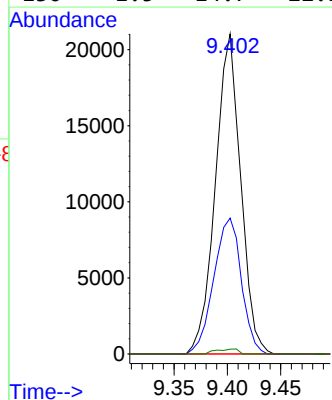
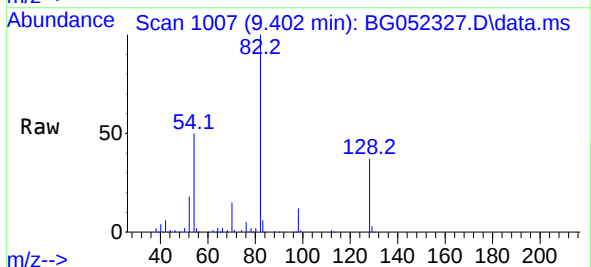
Instrument :
BNA_G
ClientSampleId :
RO-124035

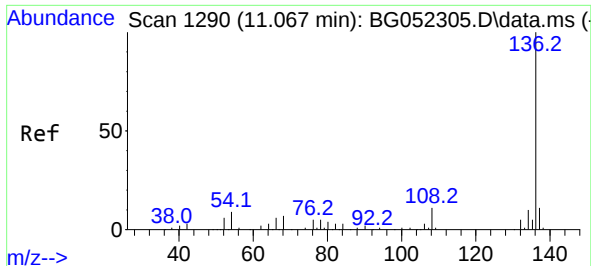
Tgt Ion: 99 Resp: 349222
Ion Ratio Lower Upper
99 100
42 19.5 19.1 28.7
71 38.8 33.4 50.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.189 ng
RT: 9.402 min Scan# 1007
Delta R.T. 0.374 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion: 70 Resp: 34616
Ion Ratio Lower Upper
70 100
42 42.5 51.8 77.6#
101 0.0 6.6 10.0#
130 1.5 14.7 22.1#

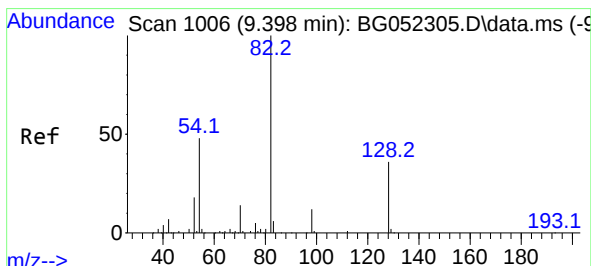
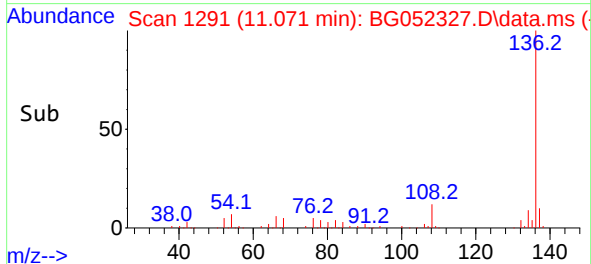
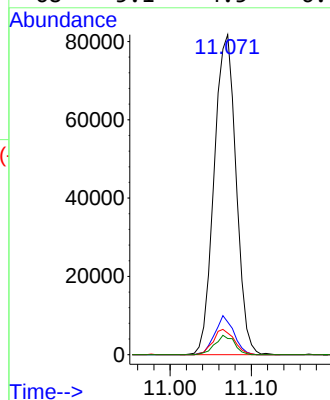
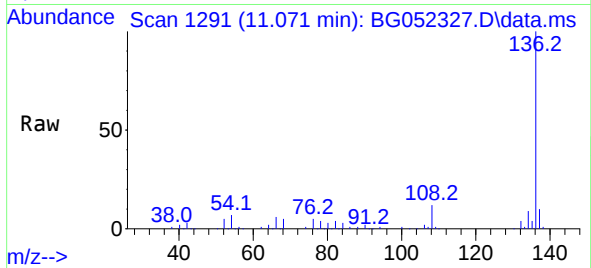




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.071 min Scan# 1107
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

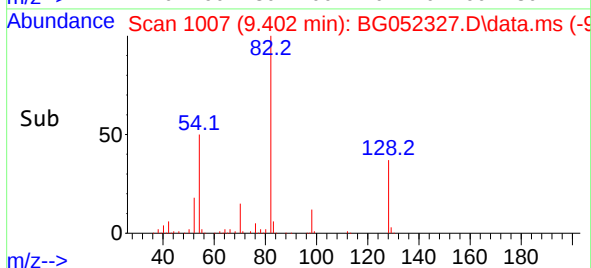
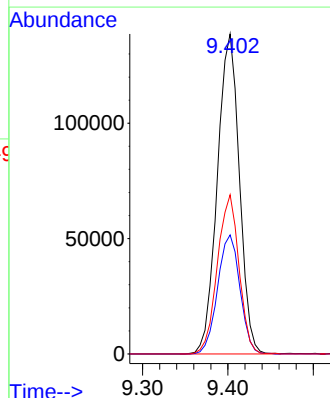
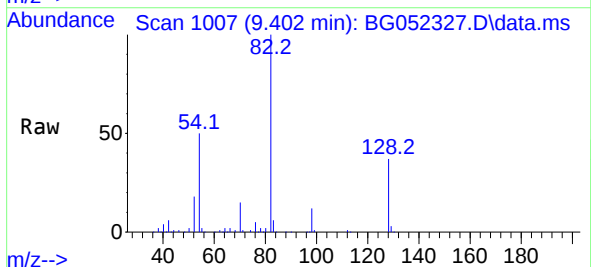
Instrument :
BNA_G
ClientSampleId :
RO-124035

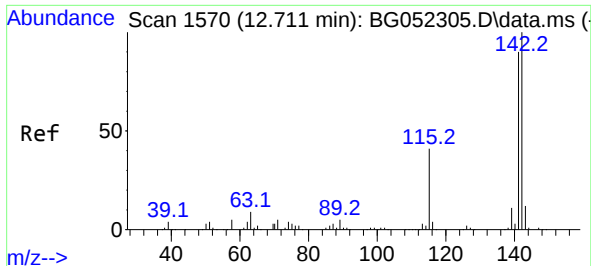
Tgt Ion:136 Resp: 153282
Ion Ratio Lower Upper
136 100
137 10.2 9.1 13.7
54 6.8 8.3 12.5#
68 5.1 4.5 6.7



#23
Nitrobenzene-d5
Concen: 70.543 ng
RT: 9.402 min Scan# 1007
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion: 82 Resp: 248797
Ion Ratio Lower Upper
82 100
128 37.2 27.0 40.4
54 49.7 41.0 61.6





#37

2-Methylnaphthalene

Concen: 2.553 ng

RT: 12.716 min Scan# 1

Delta R.T. 0.004 min

Lab File: BG052327.D

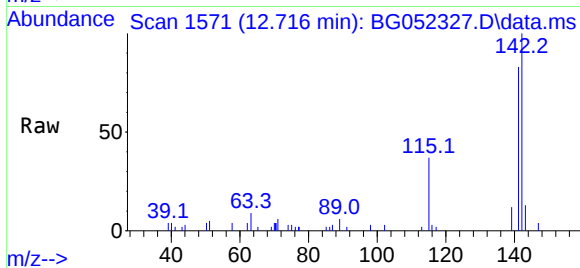
Acq: 8 Feb 2022 20:06

Instrument :

BNA_G

ClientSampleId :

RO-124035



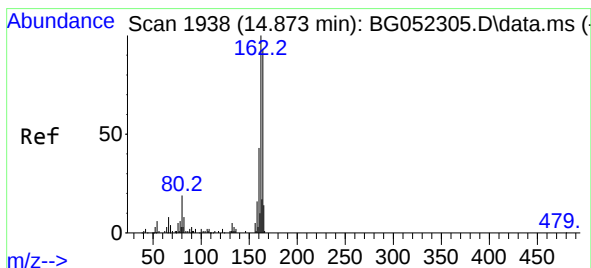
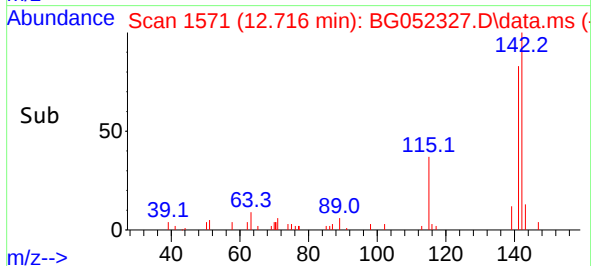
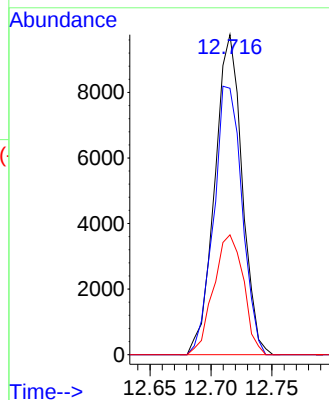
Tgt Ion:142 Resp: 15240

Ion Ratio Lower Upper

142 100

141 83.2 71.7 107.5

115 37.4 32.2 48.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.872 min Scan# 1938

Delta R.T. -0.001 min

Lab File: BG052327.D

Acq: 8 Feb 2022 20:06

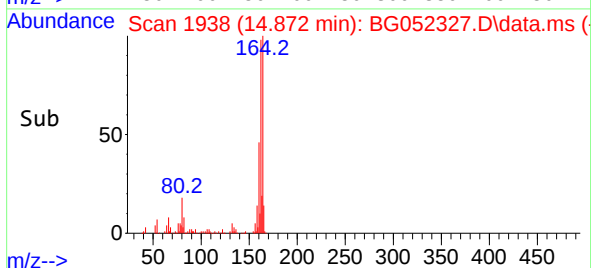
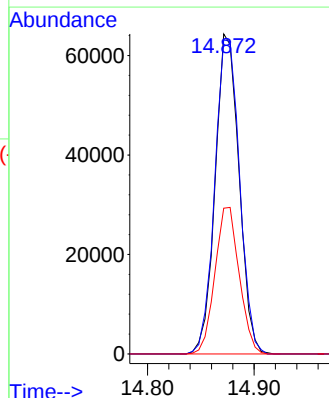
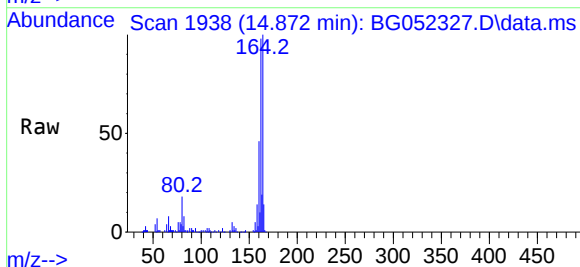
Tgt Ion:164 Resp: 99697

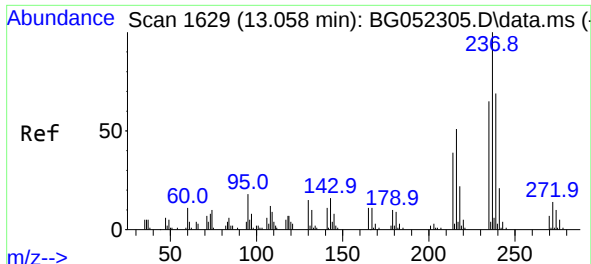
Ion Ratio Lower Upper

164 100

162 98.2 82.2 123.2

160 45.5 36.2 54.2

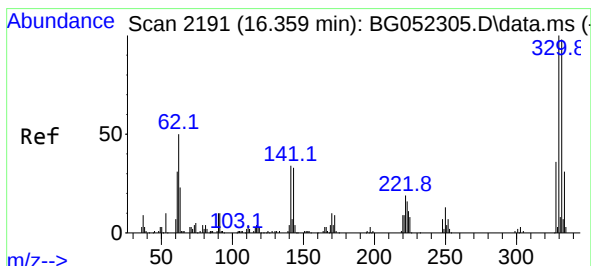
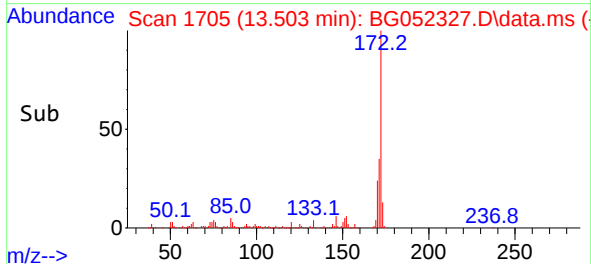
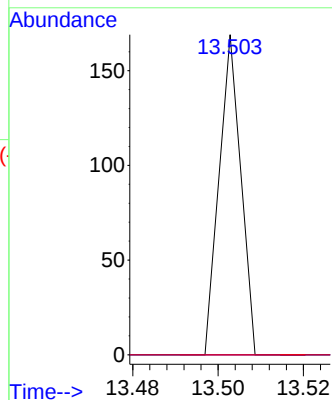
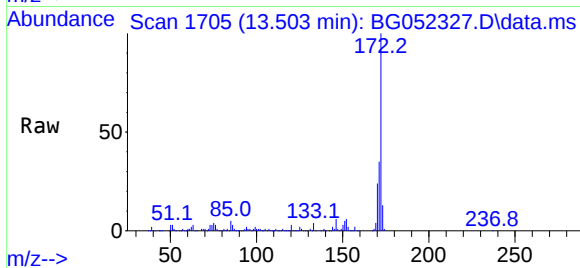




#41
Hexachlorocyclopentadiene
Concen: 5.295 ng
RT: 13.503 min Scan# 11
Delta R.T. 0.445 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

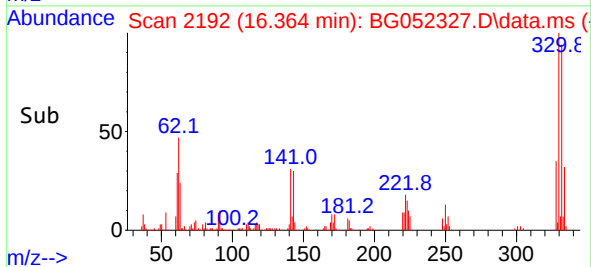
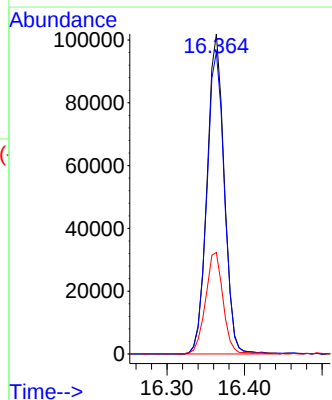
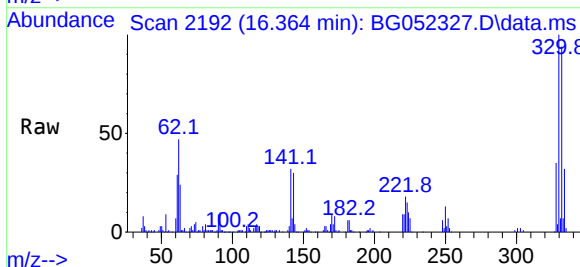
Instrument :
BNA_G
ClientSampleId :
RO-124035

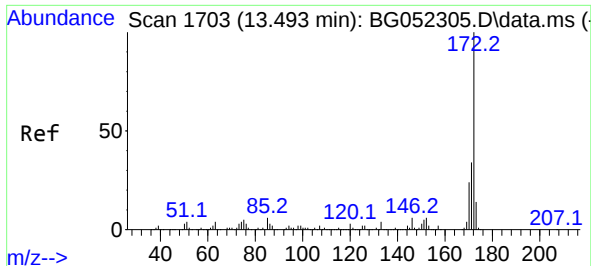
Tgt Ion:237 Resp: 60
Ion Ratio Lower Upper
237 100
235 0.0 45.9 85.9#
272 0.0 0.0 33.0



#42
2,4,6-Tribromophenol
Concen: 109.315 ng
RT: 16.364 min Scan# 2192
Delta R.T. 0.005 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:330 Resp: 156573
Ion Ratio Lower Upper
330 100
332 96.5 78.6 117.8
141 32.7 28.8 43.2

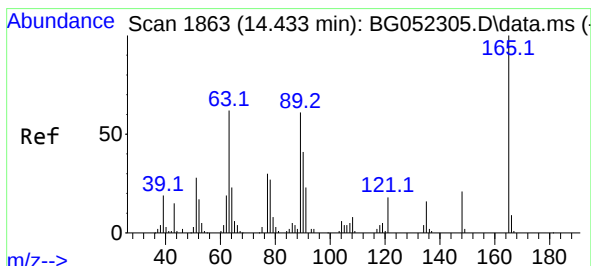
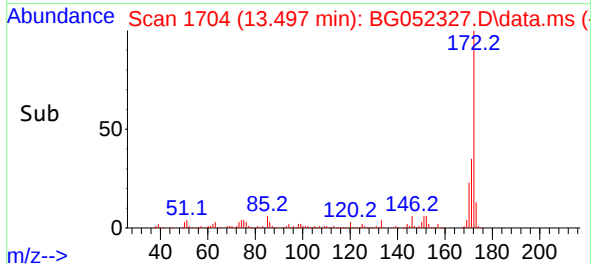
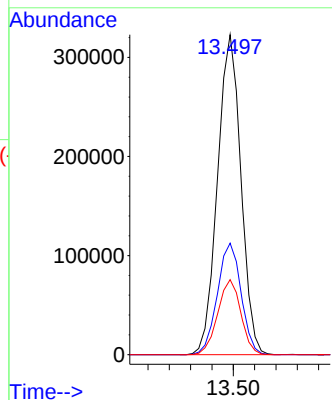
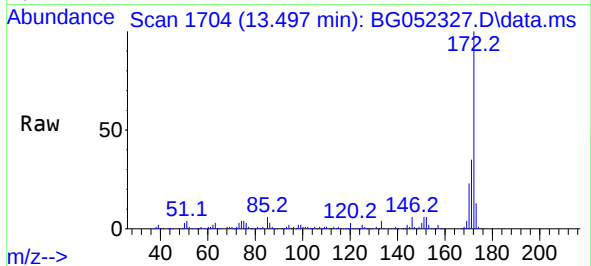




#45
2-Fluorobiphenyl
Concen: 68.491 ng
RT: 13.497 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

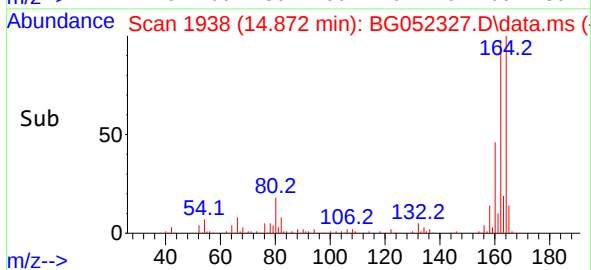
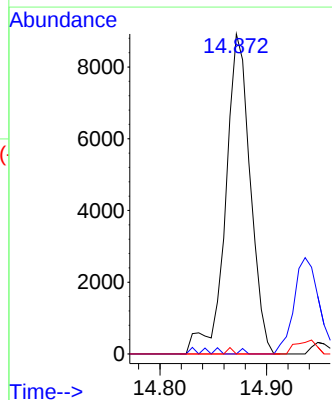
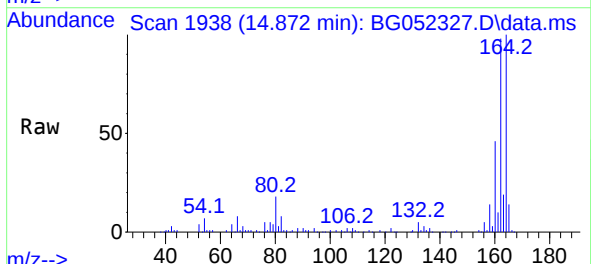
Instrument :
BNA_G
ClientSampleId :
RO-124035

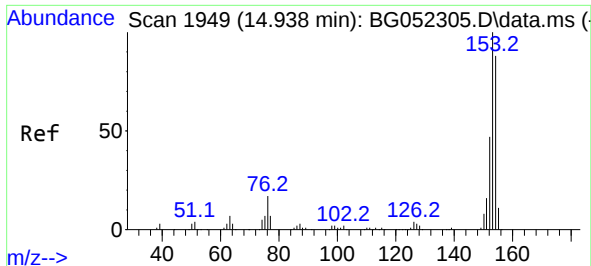
Tgt Ion:172 Resp: 491412
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.5 18.3 27.5



#51
2,6-Dinitrotoluene
Concen: 8.665 ng
RT: 14.872 min Scan# 1938
Delta R.T. 0.439 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:165 Resp: 14281
Ion Ratio Lower Upper
165 100
63 0.0 59.0 88.4#
89 0.0 49.4 74.0#

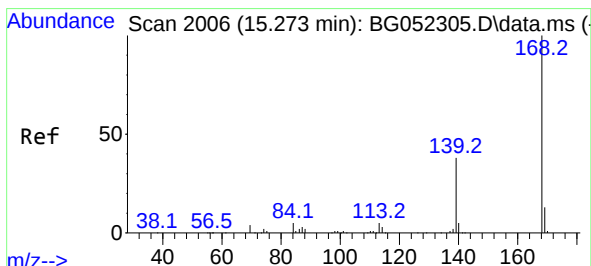
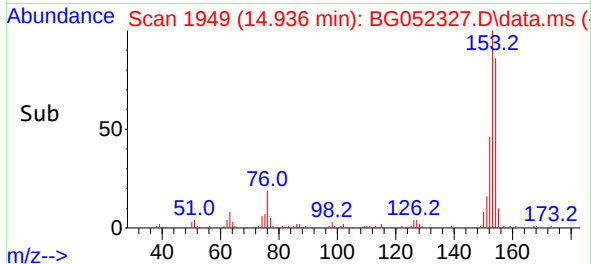
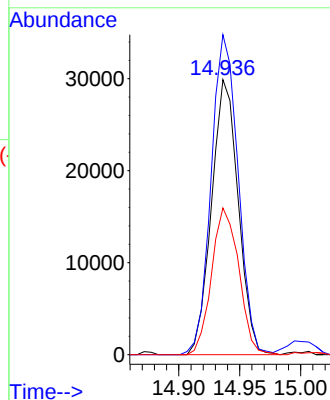
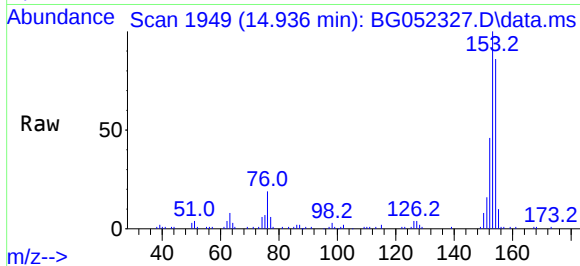




#52
Acenaphthene
Concen: 7.600 ng
RT: 14.936 min Scan# 1949
Delta R.T. -0.002 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

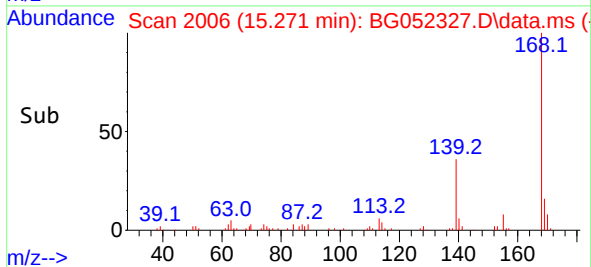
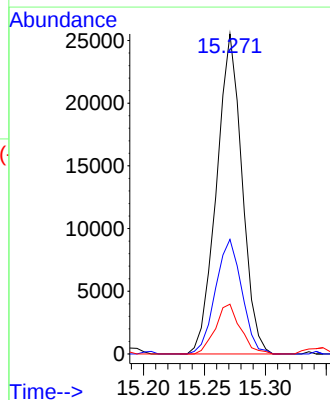
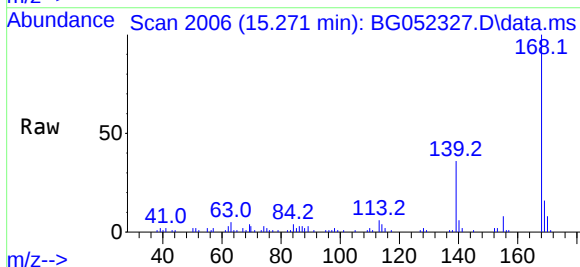
Instrument :
BNA_G
ClientSampleId :
RO-124035

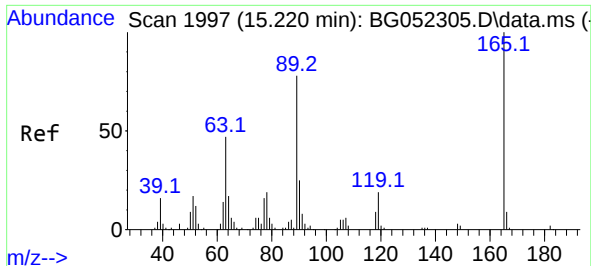
Tgt Ion:154 Resp: 45633
Ion Ratio Lower Upper
154 100
153 116.4 91.9 137.9
152 53.3 43.4 65.2



#55
Dibenzofuran
Concen: 3.934 ng
RT: 15.271 min Scan# 2006
Delta R.T. -0.002 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:168 Resp: 37152
Ion Ratio Lower Upper
168 100
139 35.8 30.7 46.1
169 15.6 10.9 16.3





#57

2,4-Dinitrotoluene

Concen: 6.088 ng

RT: 14.872 min Scan# 1997

Delta R.T. -0.348 min

Lab File: BG052327.D

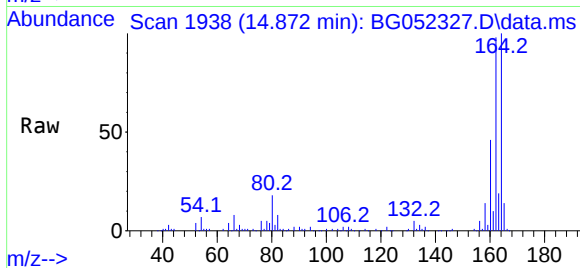
Acq: 8 Feb 2022 20:06

Instrument :

BNA_G

ClientSampleId :

RO-124035



Tgt Ion:165 Resp: 14281

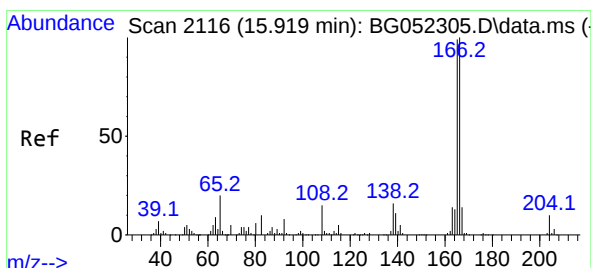
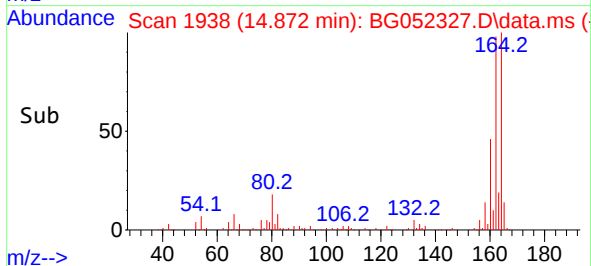
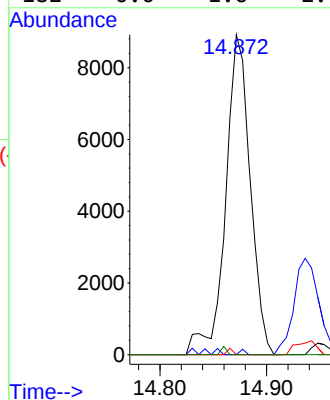
Ion Ratio Lower Upper

165 100

63 0.0 44.6 66.8#

89 0.0 67.4 101.0#

182 0.0 1.6 2.4#



#58

Fluorene

Concen: 4.992 ng

RT: 15.917 min Scan# 2116

Delta R.T. -0.002 min

Lab File: BG052327.D

Acq: 8 Feb 2022 20:06

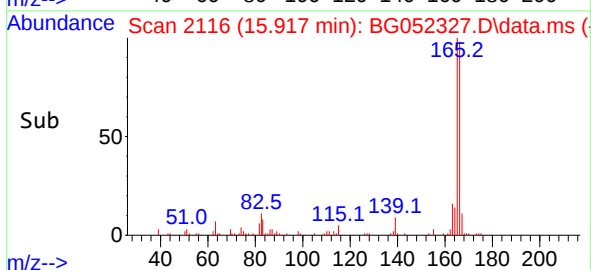
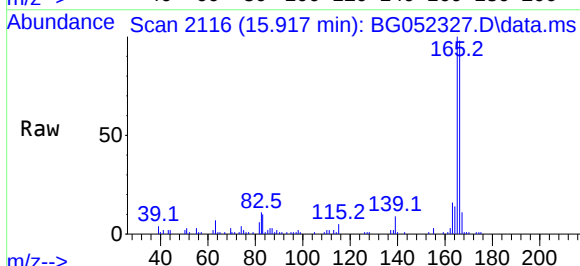
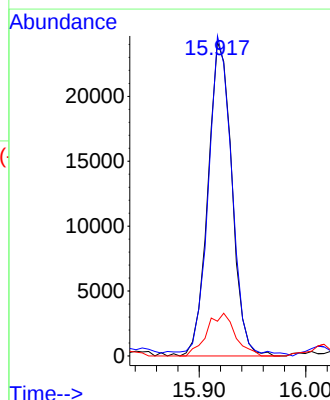
Tgt Ion:166 Resp: 37628

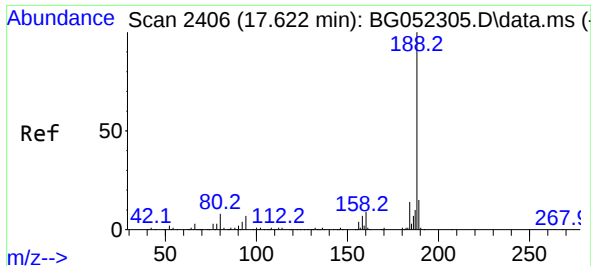
Ion Ratio Lower Upper

166 100

165 101.8 80.0 120.0

167 11.1 11.1 16.7#

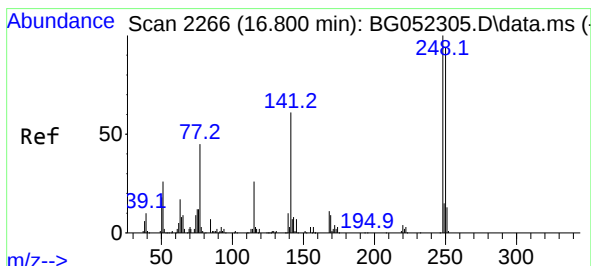
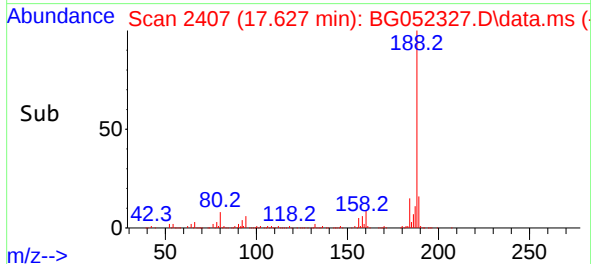
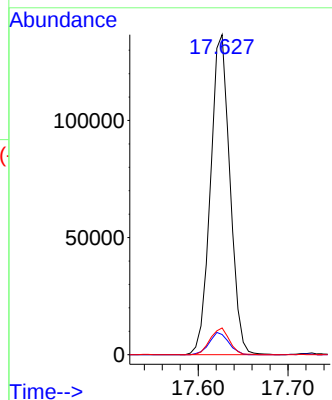
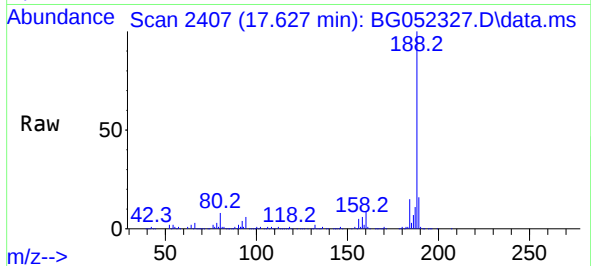




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.627 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

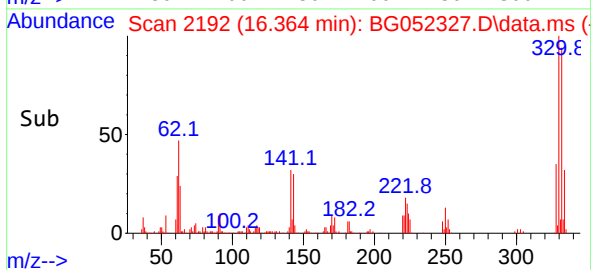
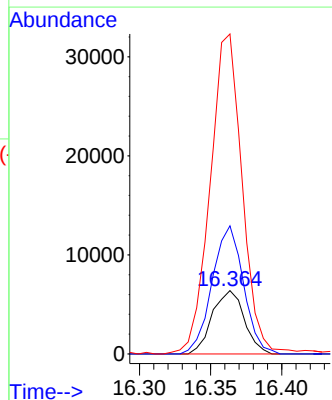
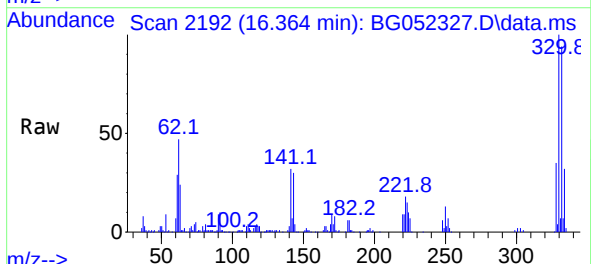
Instrument :
BNA_G
ClientSampleId :
RO-124035

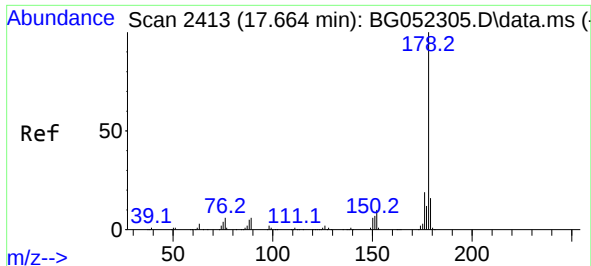
Tgt Ion:188 Resp: 205341
Ion Ratio Lower Upper
188 100
94 6.3 5.9 8.9
80 8.4 6.6 10.0



#67
4-Bromophenyl-phenylether
Concen: 4.013 ng
RT: 16.364 min Scan# 2192
Delta R.T. -0.436 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:248 Resp: 10021
Ion Ratio Lower Upper
248 100
250 202.1 79.6 119.4#
141 504.7 54.6 81.8#

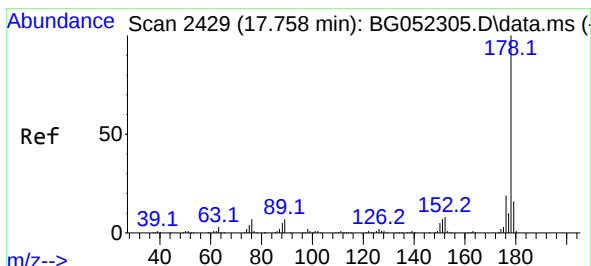
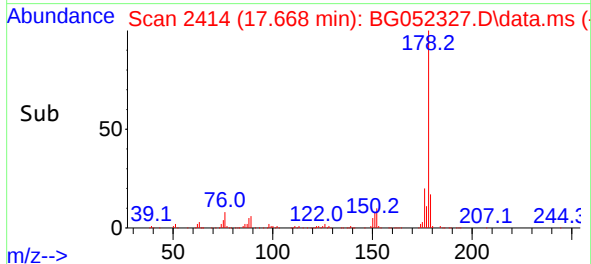
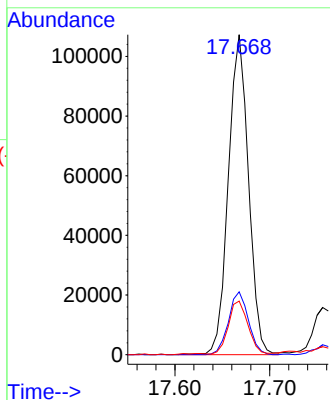
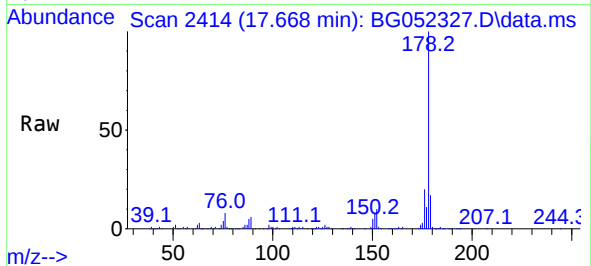




#71
Phenanthrene
Concen: 14.940 ng
RT: 17.668 min Scan# 2413
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

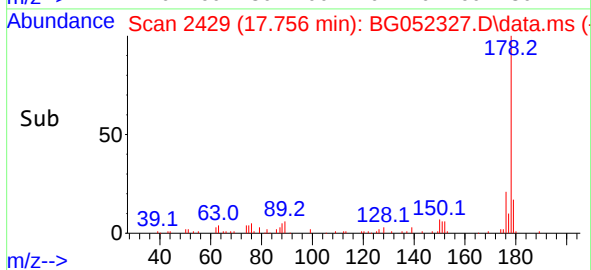
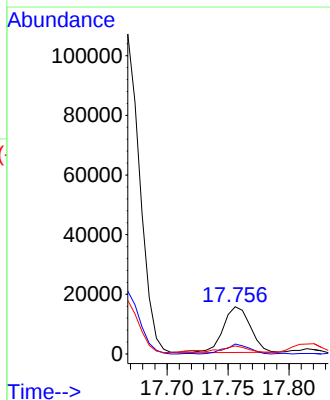
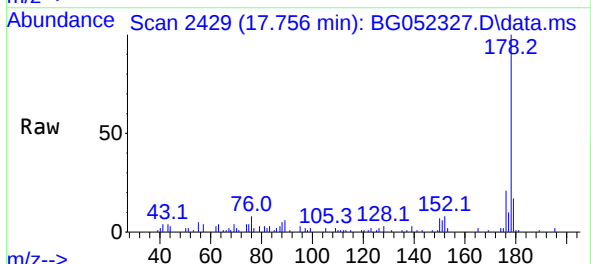
Instrument :
BNA_G
ClientSampleId :
RO-124035

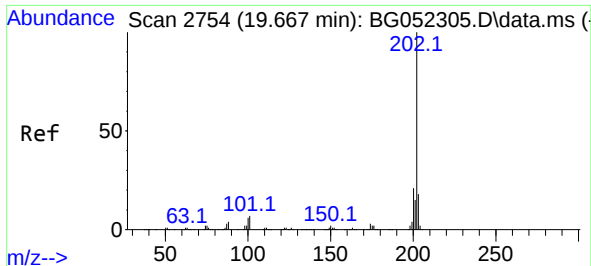
Tgt Ion:178 Resp: 158149
Ion Ratio Lower Upper
178 100
176 19.6 16.6 25.0
179 16.8 12.6 18.8



#72
Anthracene
Concen: 2.296 ng
RT: 17.756 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:178 Resp: 23821
Ion Ratio Lower Upper
178 100
176 20.9 15.3 22.9
179 17.0 13.1 19.7

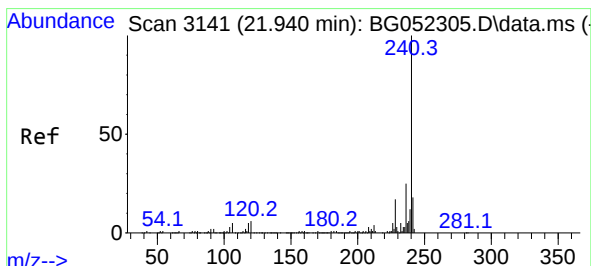
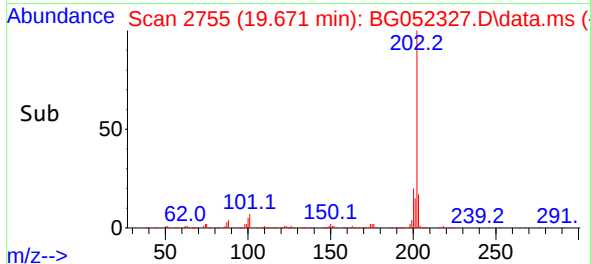
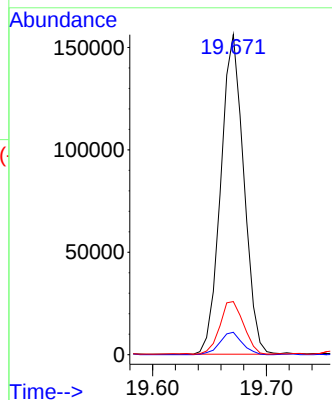
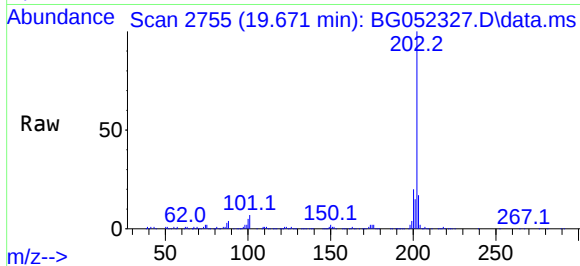




#75
Fluoranthene
Concen: 16.298 ng
RT: 19.671 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

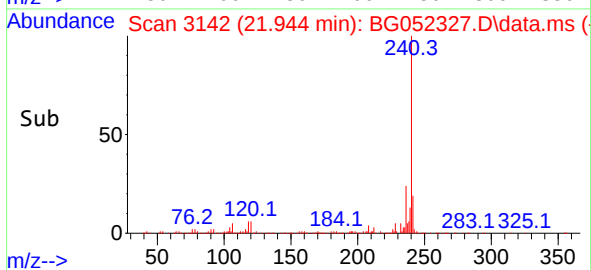
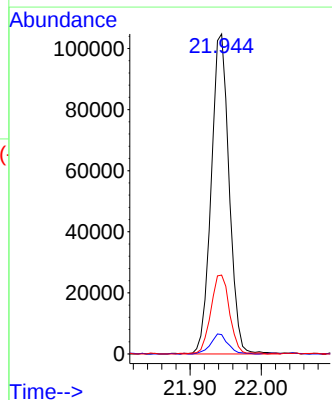
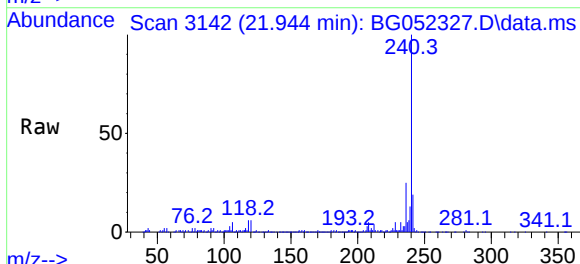
Instrument :
BNA_G
ClientSampleId :
RO-124035

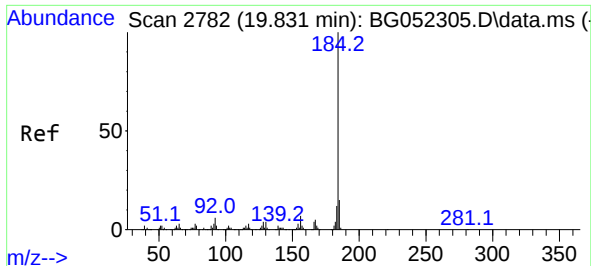
Tgt Ion:202 Resp: 219681
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.1
203 16.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.944 min Scan# 3142
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:240 Resp: 183420
Ion Ratio Lower Upper
240 100
120 6.1 4.4 6.6
236 24.7 20.8 31.2

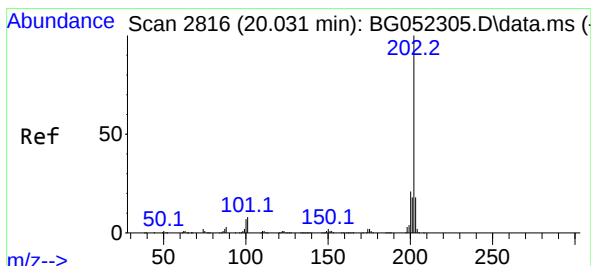
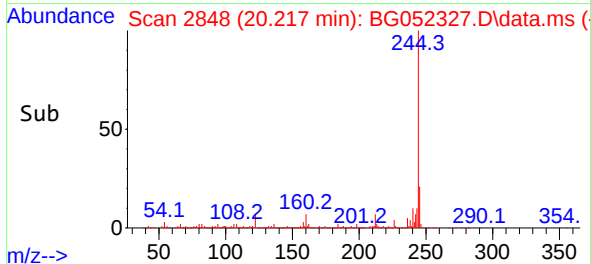
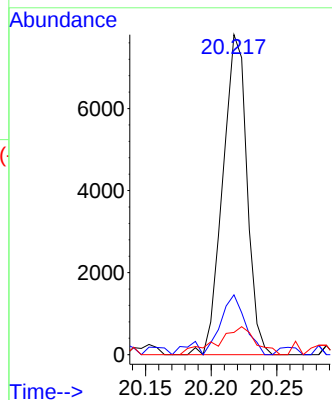
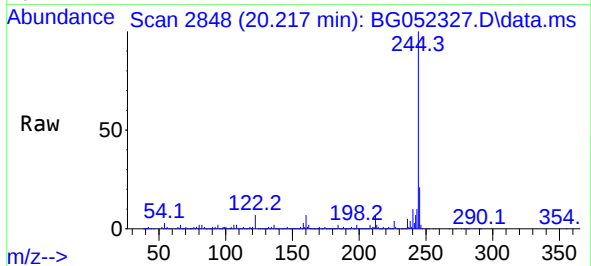




#77
Benzidine
Concen: 2.544 ng
RT: 20.217 min Scan# 2021
Delta R.T. 0.386 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

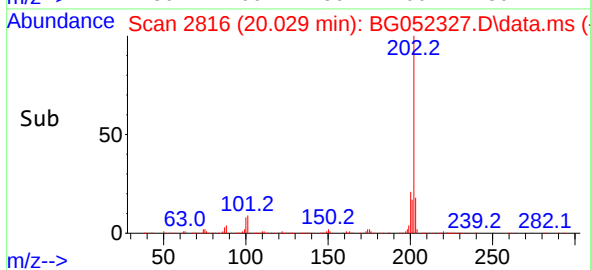
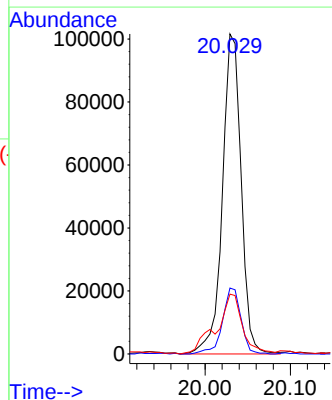
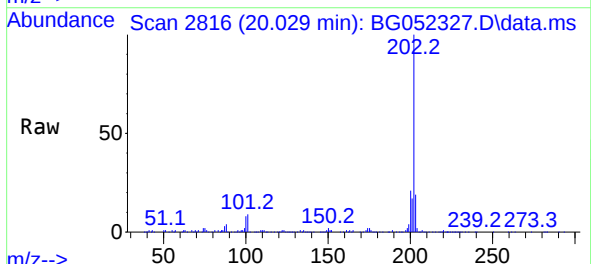
Instrument :
BNA_G
ClientSampleId :
RO-124035

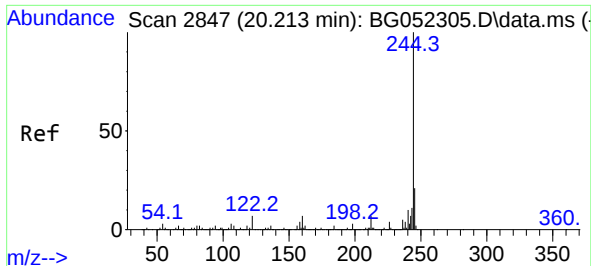
Tgt Ion:184 Resp: 9971
Ion Ratio Lower Upper
184 100
185 18.7 11.8 17.8#
183 6.9 9.8 14.6#



#78
Pyrene
Concen: 12.638 ng
RT: 20.029 min Scan# 2816
Delta R.T. -0.002 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:202 Resp: 155107
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.7 14.5 21.7



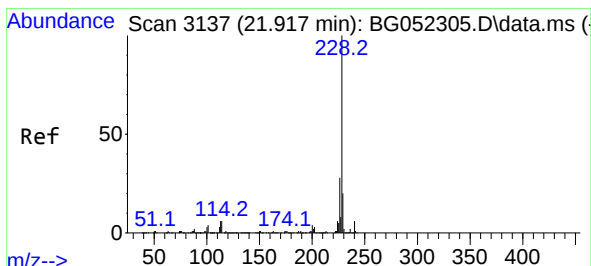
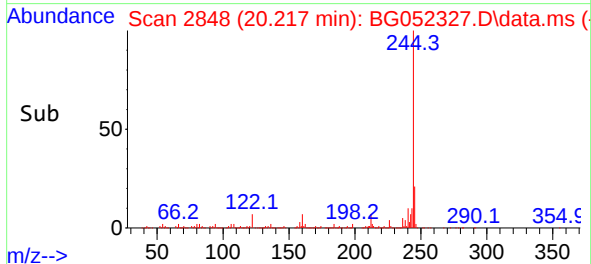
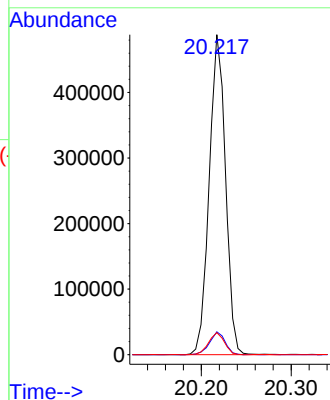
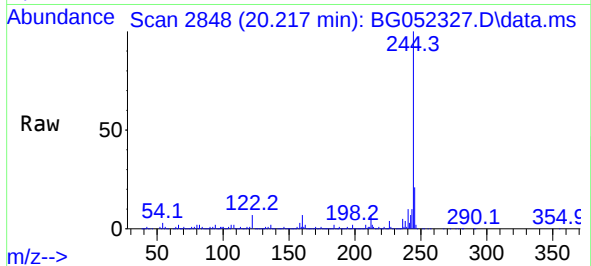


#79
 Terphenyl-d14
 Concen: 59.140 ng
 RT: 20.217 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BG052327.D
 Acq: 8 Feb 2022 20:06

Instrument :
 BNA_G
 ClientSampleId :
 RO-124035

Tgt Ion:244 Resp: 614284

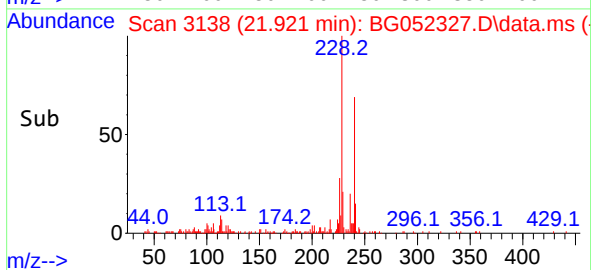
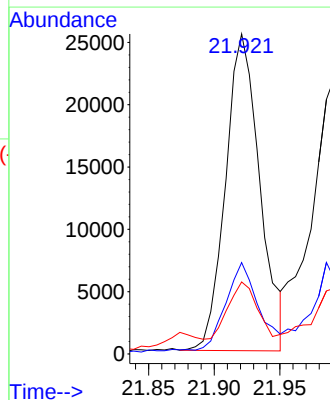
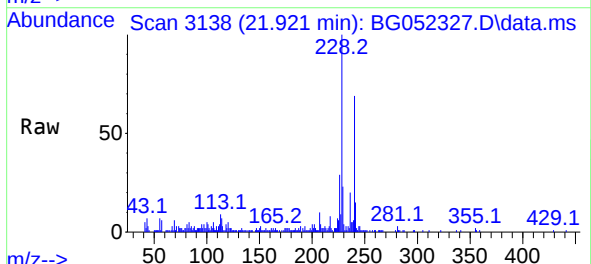
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	6.9	6.2	9.4

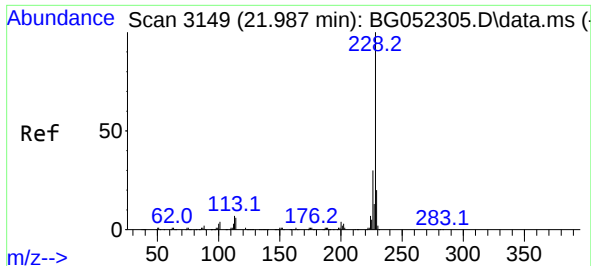


#81
 Benzo(a)anthracene
 Concen: 3.807 ng
 RT: 21.921 min Scan# 3138
 Delta R.T. 0.004 min
 Lab File: BG052327.D
 Acq: 8 Feb 2022 20:06

Tgt Ion:228 Resp: 46213

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.6	32.4
229	22.5	16.0	24.0

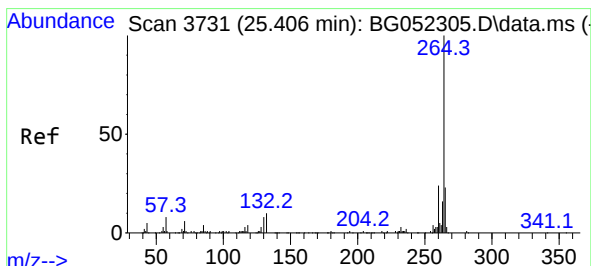
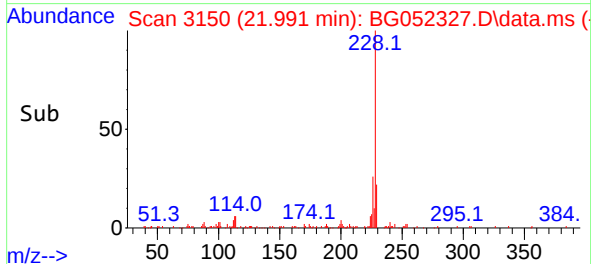
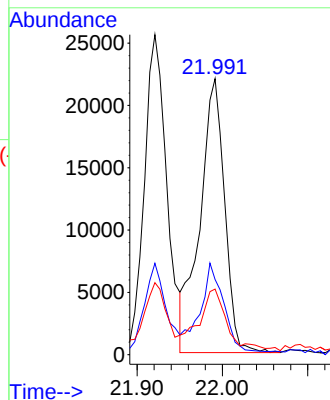
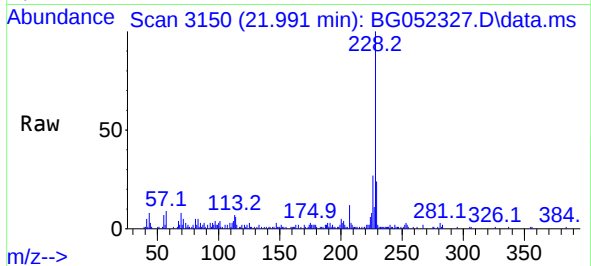




#83
Chrysene
Concen: 3.871 ng
RT: 21.991 min Scan# 3149
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

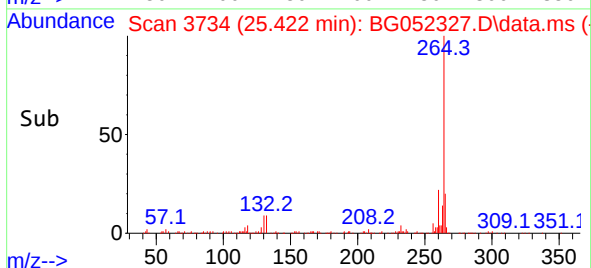
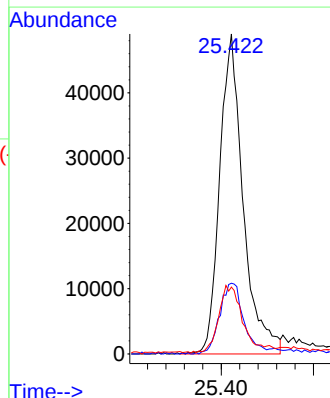
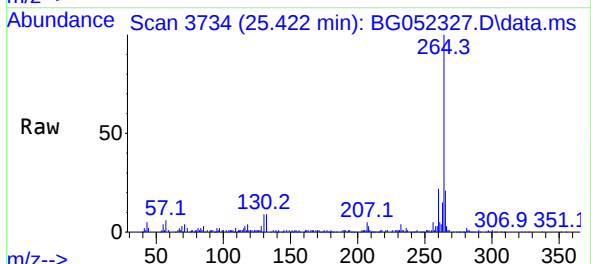
Instrument :
BNA_G
ClientSampleId :
RO-124035

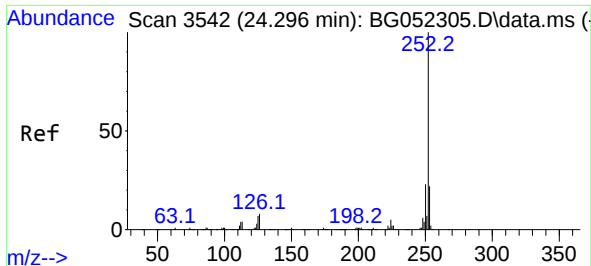
Tgt Ion:228	Resp:	44524
Ion Ratio	Lower	Upper
228	100	
226	27.3	24.1 36.1
229	23.8	16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.422 min Scan# 3734
Delta R.T. 0.016 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Tgt Ion:264	Resp:	172735
Ion Ratio	Lower	Upper
264	100	
260	22.1	18.5 27.7
265	20.9	17.8 26.6

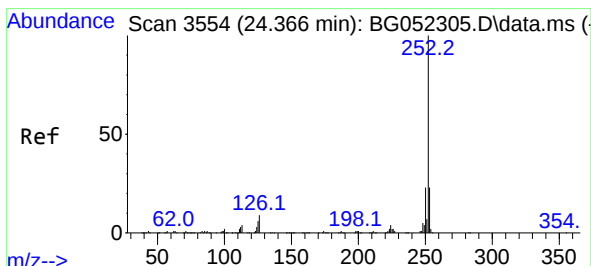
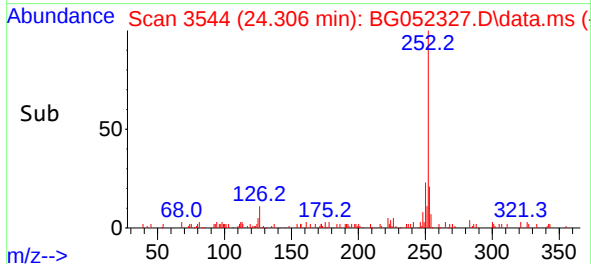
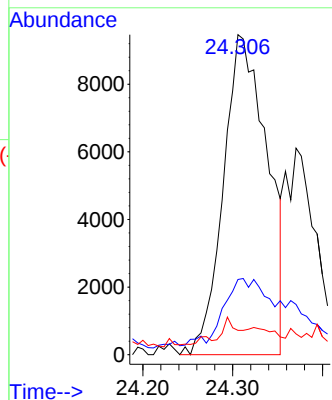
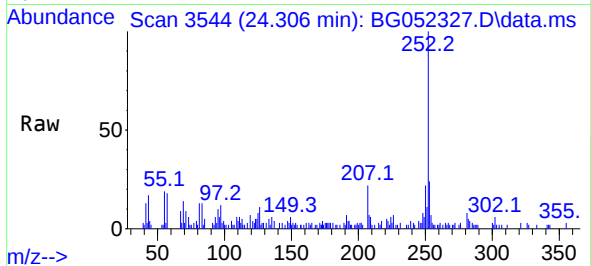




#88
Benzo(b)fluoranthene
Concen: 2.980 ng
RT: 24.306 min Scan# 3544
Delta R.T. 0.010 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

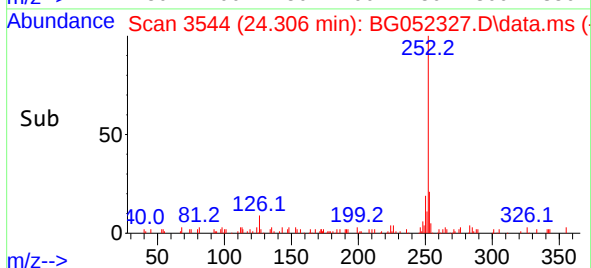
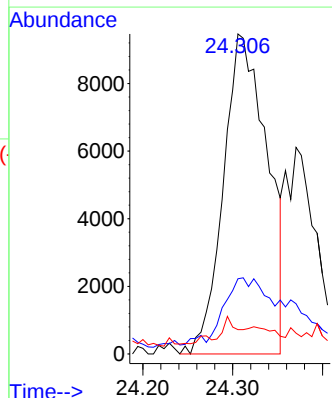
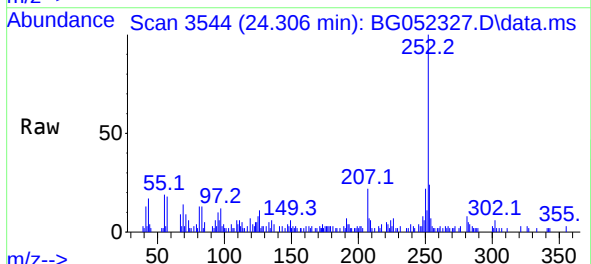
Instrument :
BNA_G
ClientSampleId :
RO-124035

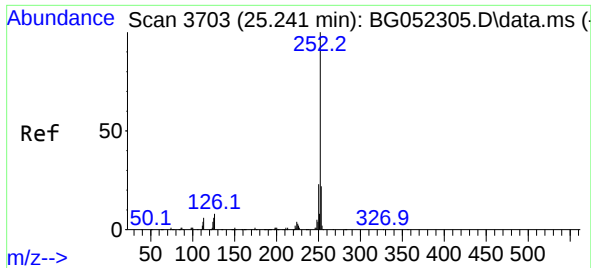
Tgt Ion:252 Resp: 32073
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 7.6 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 3.016 ng
RT: 24.306 min Scan# 3544
Delta R.T. -0.060 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

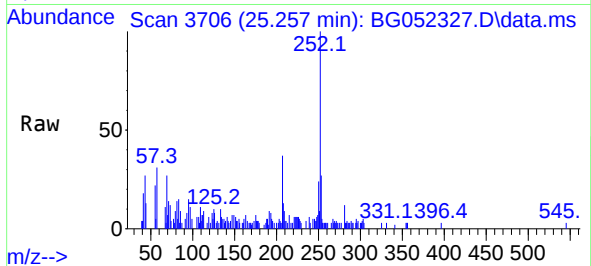
Tgt Ion:252 Resp: 32073
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 7.6 4.6 7.0#





#90
 Benzo(a)pyrene
 Concen: 2.199 ng
 RT: 25.257 min Scan# 31
 Delta R.T. 0.016 min
 Lab File: BG052327.D
 Acq: 8 Feb 2022 20:06

Instrument :
 BNA_G
 ClientSampleId :
 RO-124035



Tgt Ion:252 Resp: 19992
 Ion Ratio Lower Upper
 252 100
 253 27.3 17.5 26.3#
 125 10.1 5.0 7.6#

