

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)

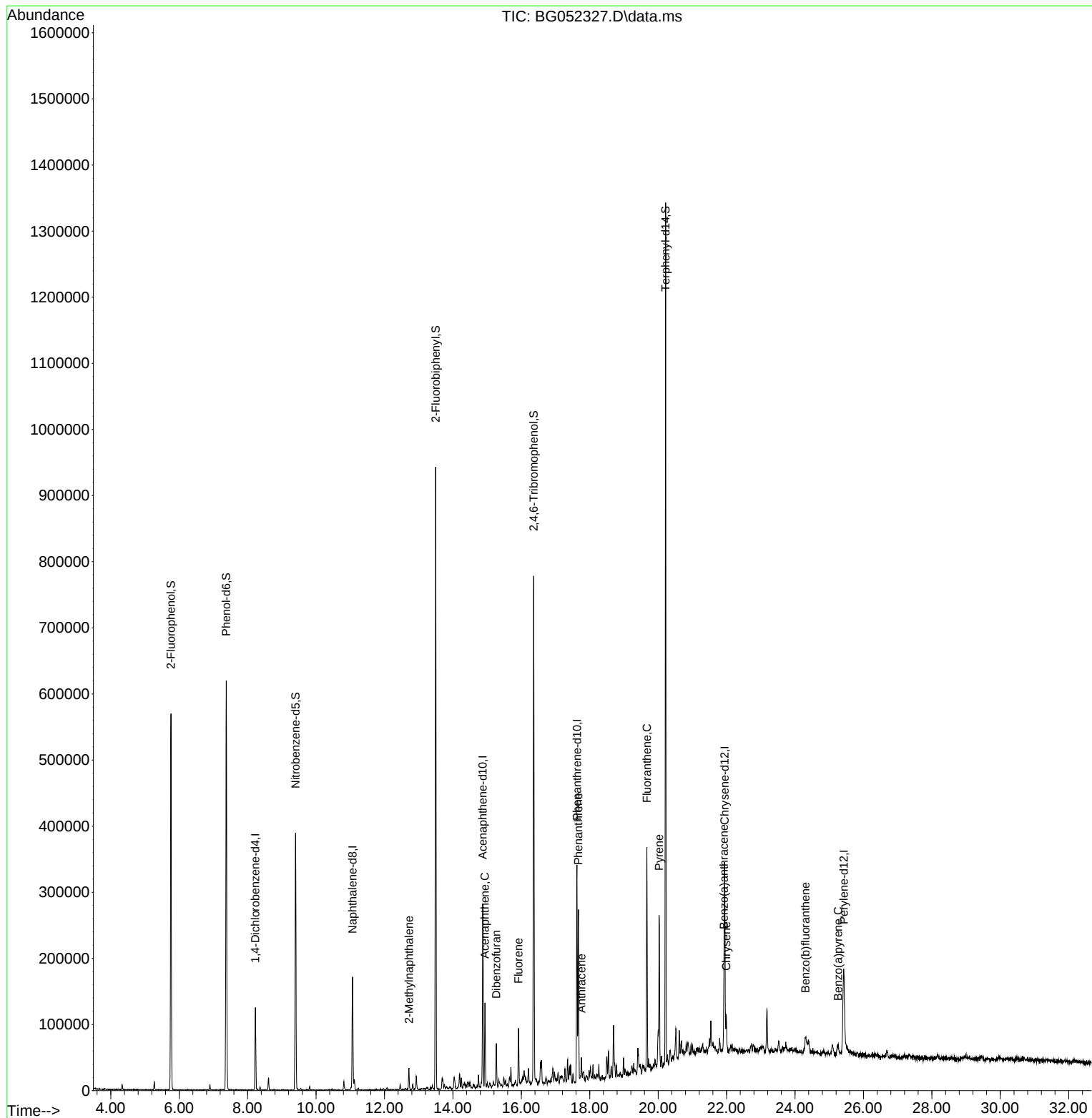
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.228	152	36554	20.000	ng	0.00
21) Naphthalene-d8	11.071	136	153282	20.000	ng	# 0.00
39) Acenaphthene-d10	14.872	164	99697	20.000	ng	0.00
64) Phenanthrene-d10	17.627	188	205341	20.000	ng	0.00
76) Chrysene-d12	21.944	240	183420	20.000	ng	0.00
86) Perylene-d12	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
37) 2-Methylnaphthalene	12.716	142	15240	2.553	ng	94
52) Acenaphthene	14.936	154	45633	7.600	ng	99
55) Dibenzofuran	15.271	168	37152	3.934	ng	96
58) Fluorene	15.917	166	37628	4.992	ng	# 98
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
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
90) Benzo(a)pyrene	25.257	252	19992	2.199	ng	# 89

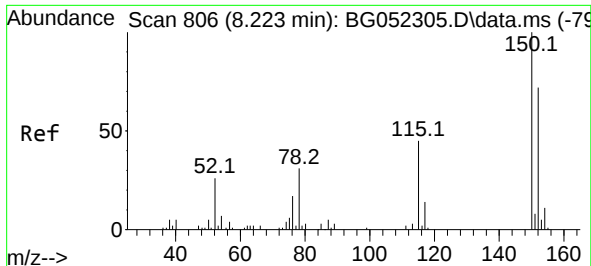
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

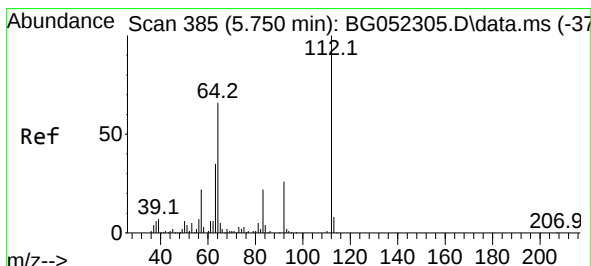
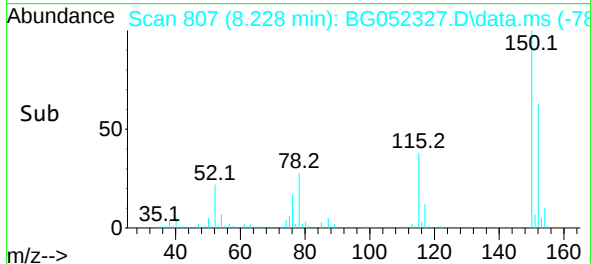
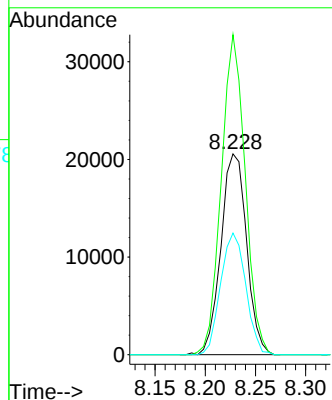
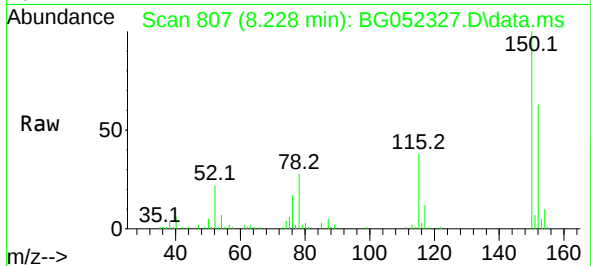




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.228 min Scan# 806
Delta R.T. 0.005 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

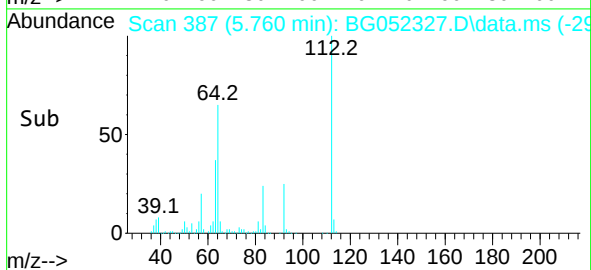
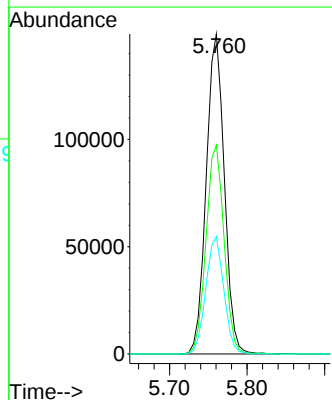
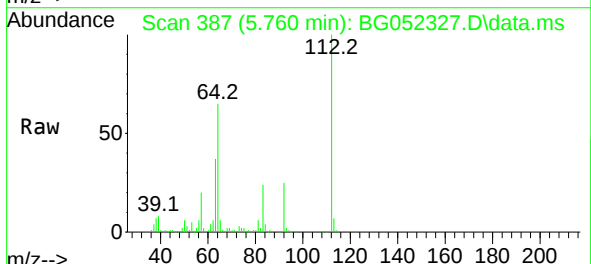
Instrument :
BNA_G
ClientSampleId :
RO-124035

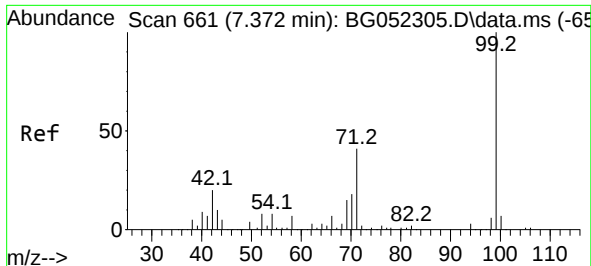
Tgt Ion:152 Resp: 36554
Ion Ratio Lower Upper
152 100
150 159.4 117.8 176.8
115 60.6 50.2 75.2



#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

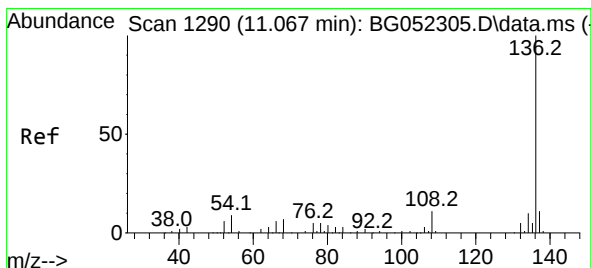
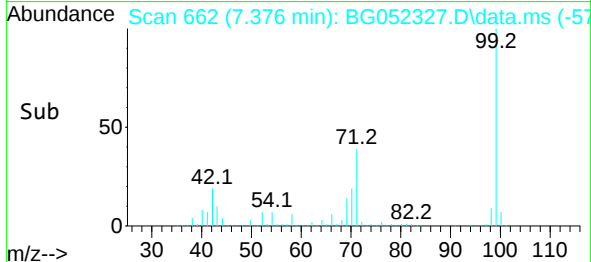
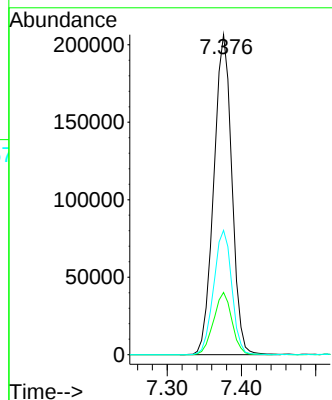
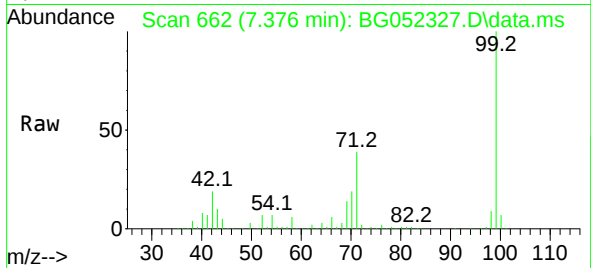




#7
Phenol-d6
Concen: 107.914 ng
RT: 7.376 min Scan# 661
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

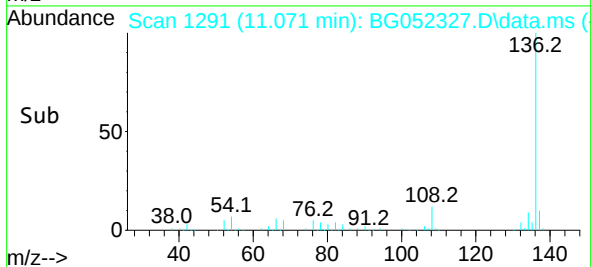
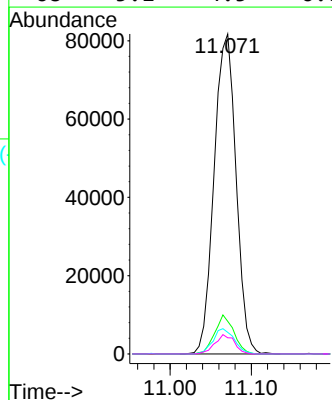
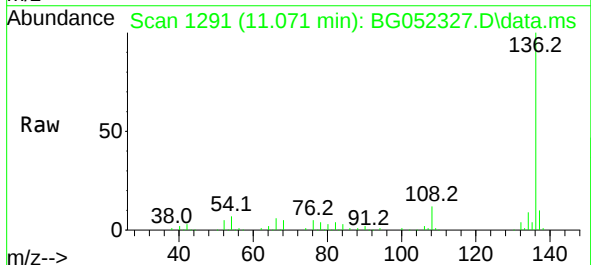
Instrument :
BNA_G
ClientSampleId :
RO-124035

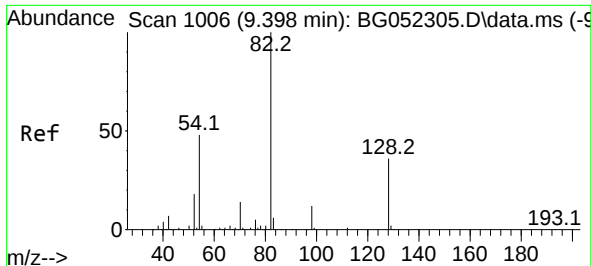
Tgt Ion: 99 Resp: 349222
Ion Ratio Lower Upper
99 100
42 19.5 19.1 28.7
71 38.8 33.4 50.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.071 min Scan# 1291
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

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

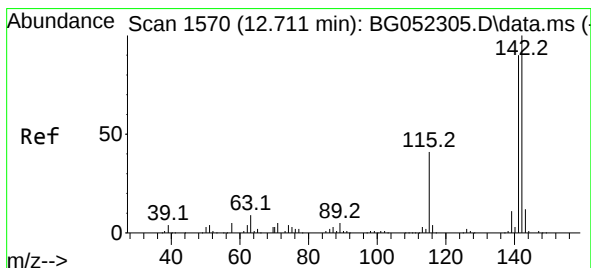
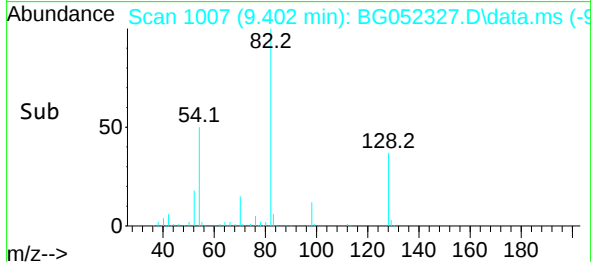
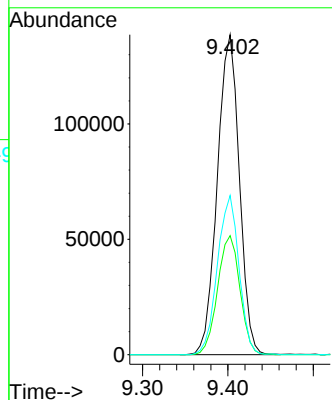
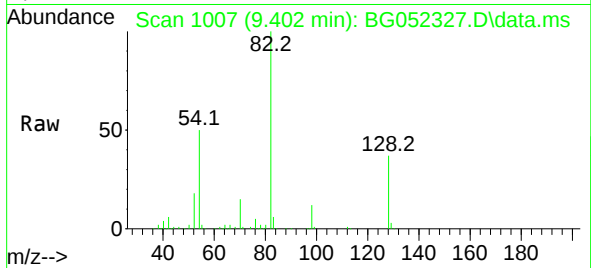




#23
Nitrobenzene-d5
Concen: 70.543 ng
RT: 9.402 min Scan# 1007
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

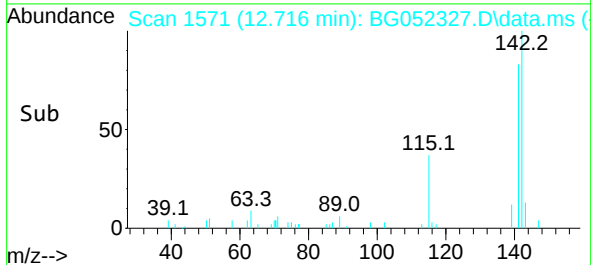
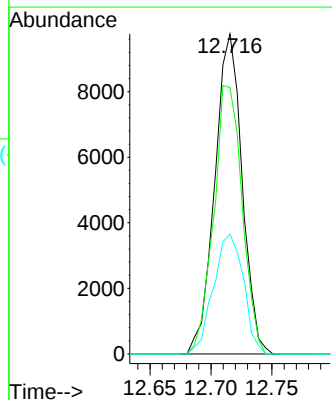
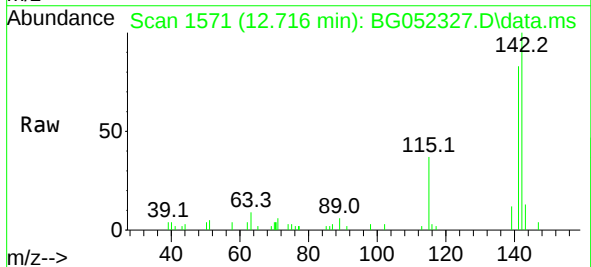
Instrument :
BNA_G
ClientSampleId :
RO-124035

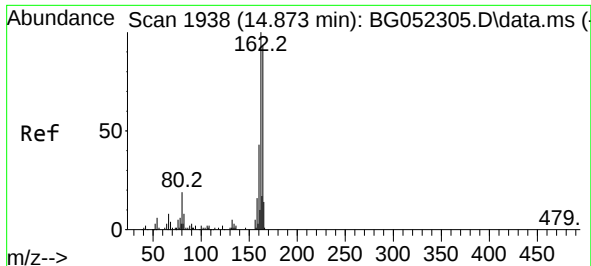
Tgt Ion: 82 Resp: 248797
Ion Ratio Lower Upper
82 100
128 37.2 27.0 40.4
54 49.7 41.0 61.6



#37
2-Methylnaphthalene
Concen: 2.553 ng
RT: 12.716 min Scan# 1571
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

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

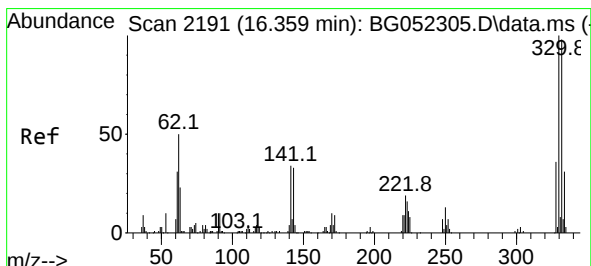
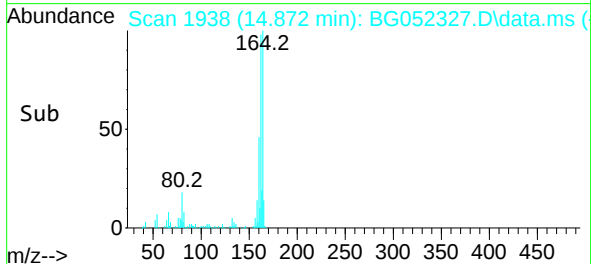
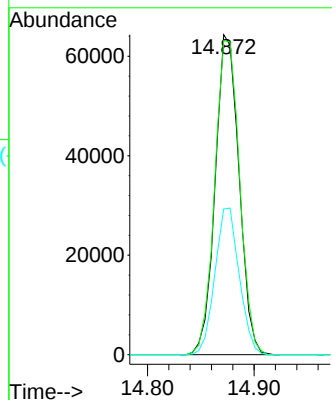
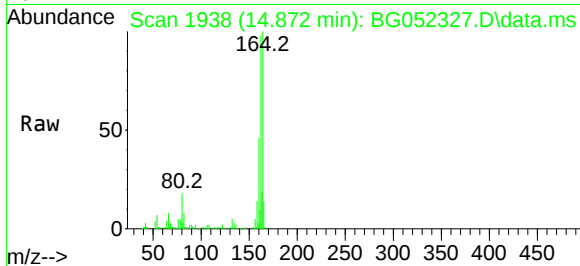




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.872 min Scan# 1938
Delta R.T. -0.001 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

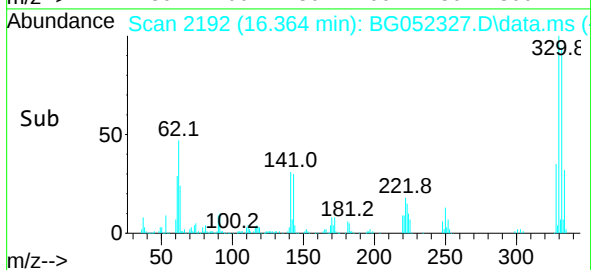
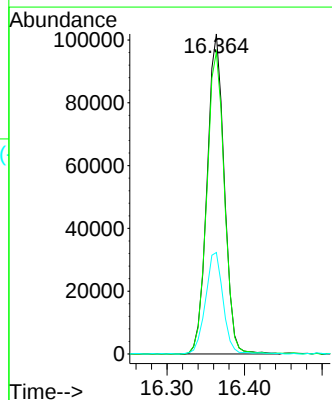
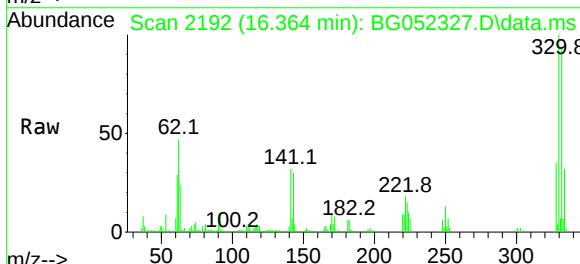
Instrument :
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ClientSampleId :
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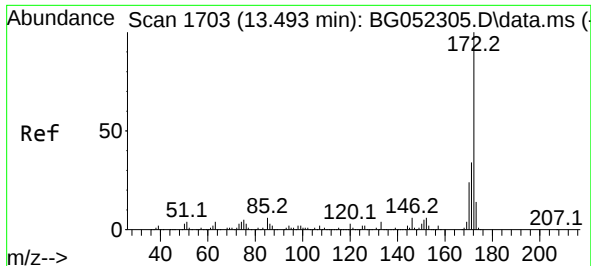
Tgt Ion:164 Resp: 99697
Ion Ratio Lower Upper
164 100
162 98.2 82.2 123.2
160 45.5 36.2 54.2



#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

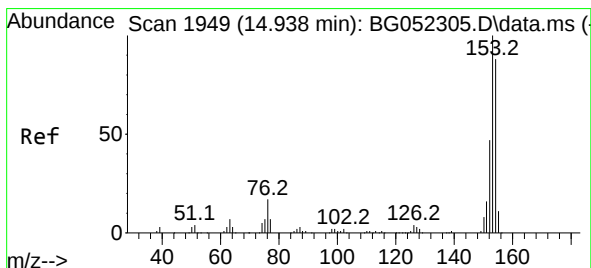
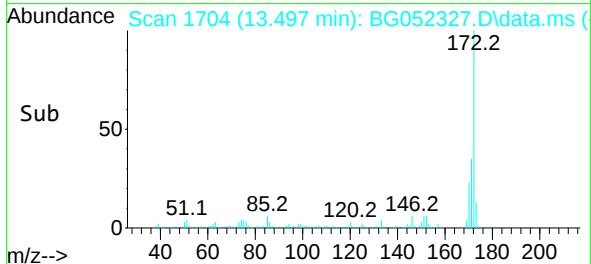
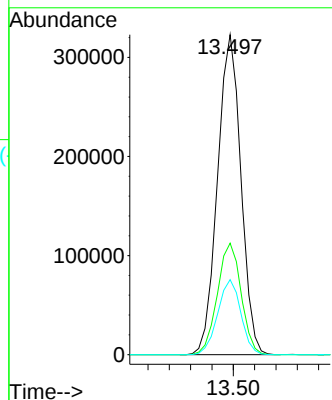
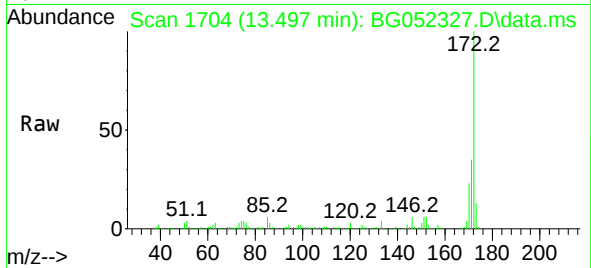




#45
2-Fluorobiphenyl
Concen: 68.491 ng
RT: 13.497 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

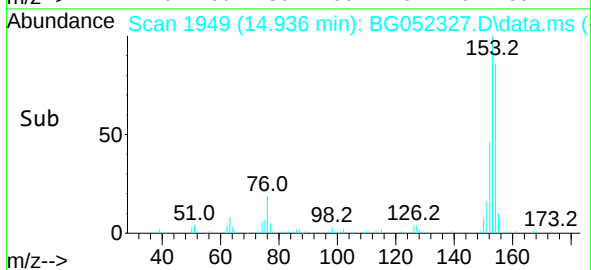
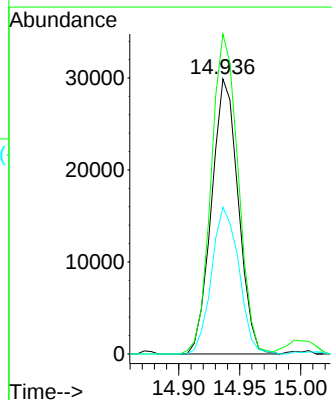
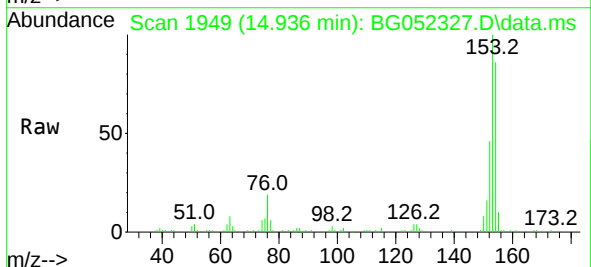
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ClientSampleId :
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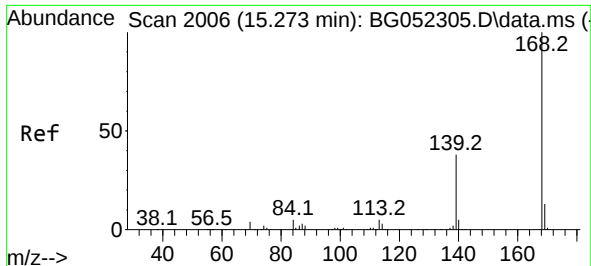
Tgt Ion:172 Resp: 491412
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.5 18.3 27.5



#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

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

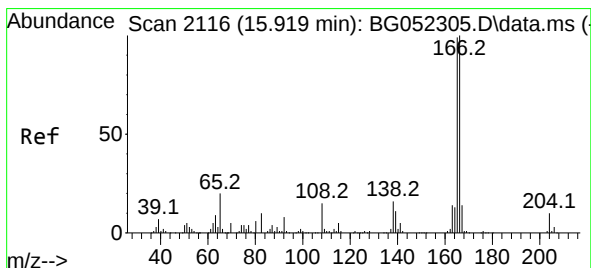
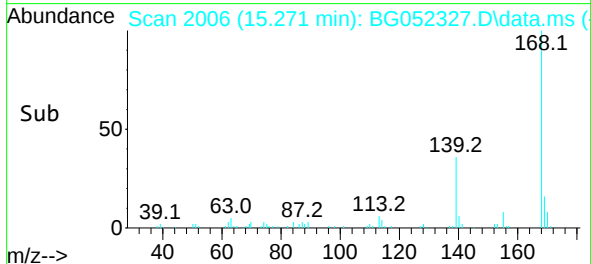
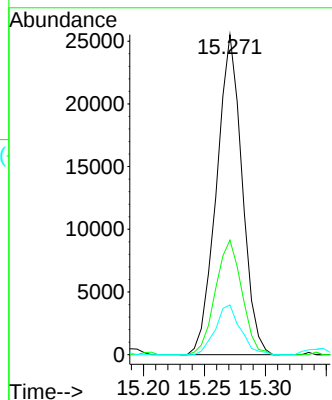
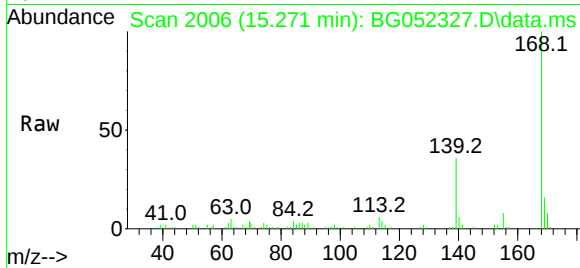




#55
Dibenzofuran
Concen: 3.934 ng
RT: 15.271 min Scan# 2006
Delta R.T. -0.002 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

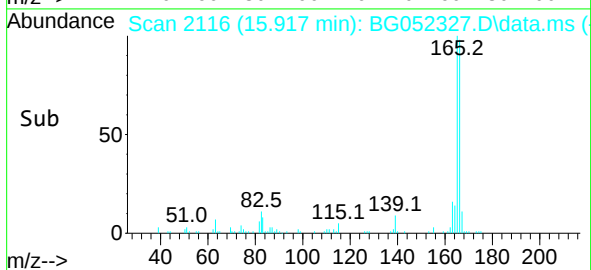
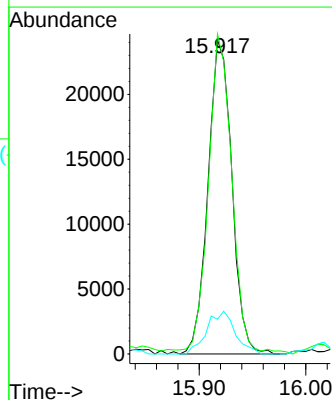
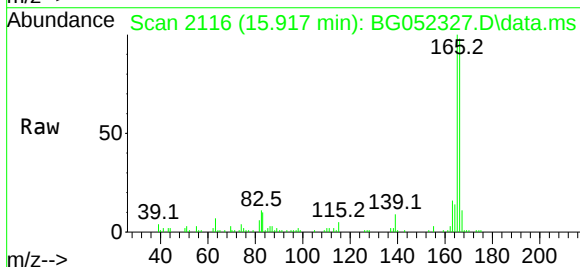
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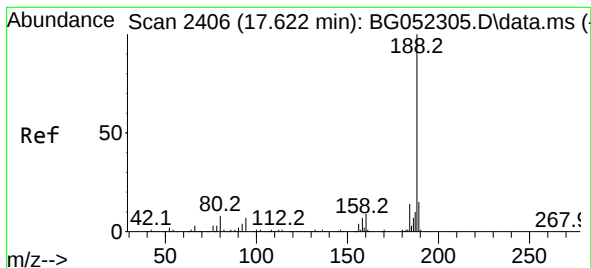
Tgt Ion:168 Resp: 37152
Ion Ratio Lower Upper
168 100
139 35.8 30.7 46.1
169 15.6 10.9 16.3



#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

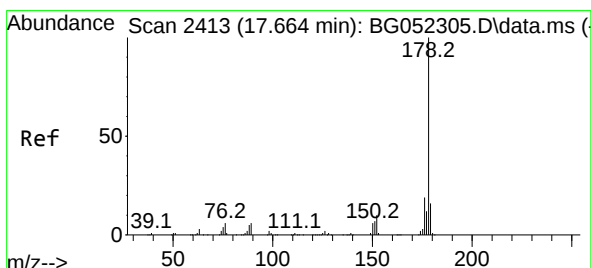
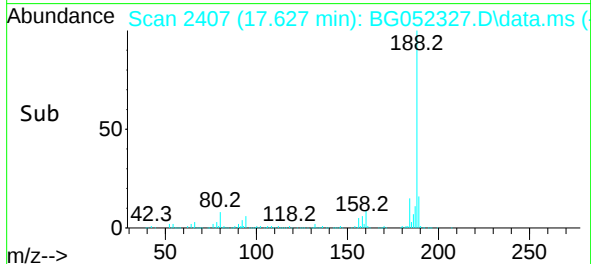
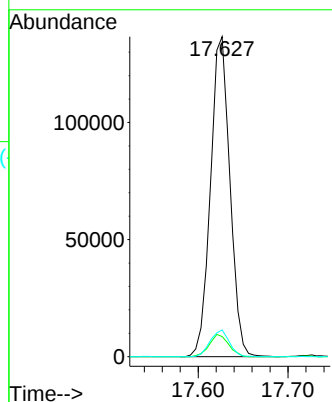
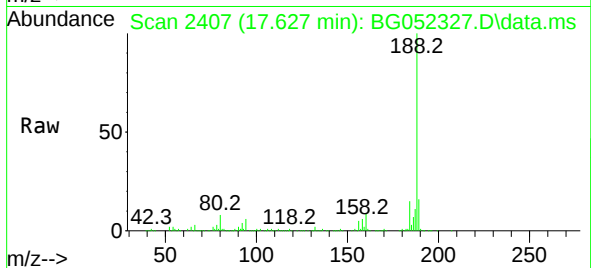
Tgt Ion:188 Resp: 205341

Ion Ratio Lower Upper

188 100

94 6.3 5.9 8.9

80 8.4 6.6 10.0



#71

Phenanthrene

Concen: 14.940 ng

RT: 17.668 min Scan# 2414

Delta R.T. 0.004 min

Lab File: BG052327.D

Acq: 8 Feb 2022 20:06

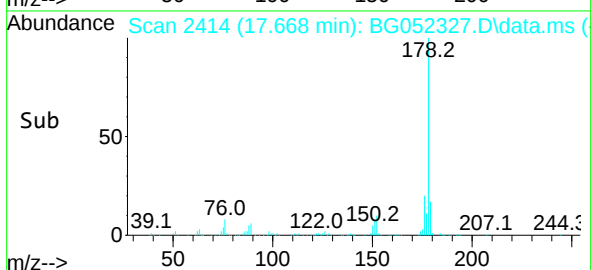
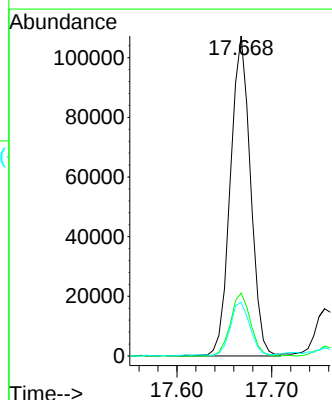
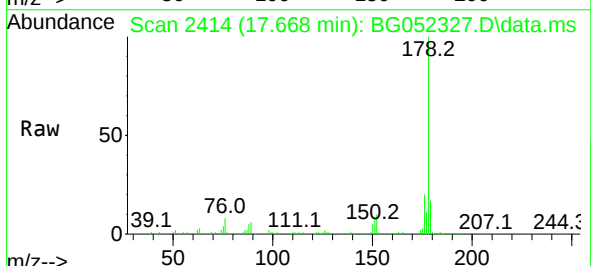
Tgt Ion:178 Resp: 158149

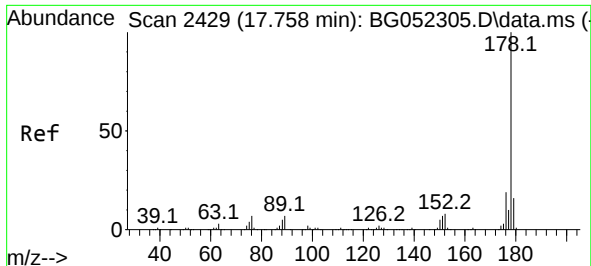
Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

179 16.8 12.6 18.8

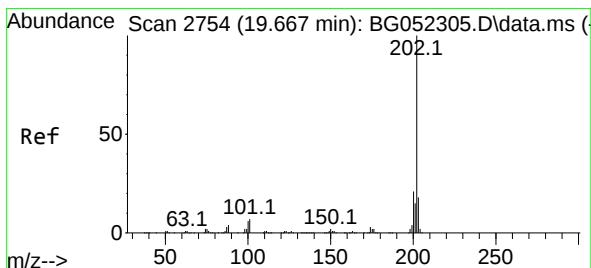
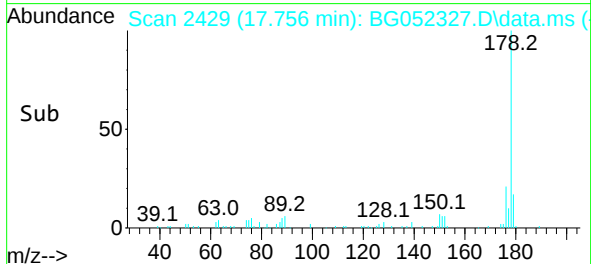
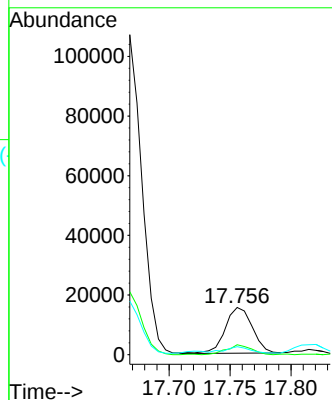
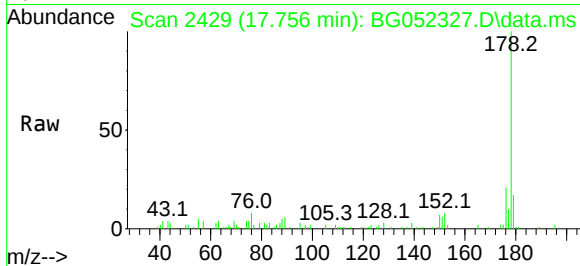




#72
 Anthracene
 Concen: 2.296 ng
 RT: 17.756 min Scan# 2429
 Delta R.T. -0.002 min
 Lab File: BG052327.D
 Acq: 8 Feb 2022 20:06

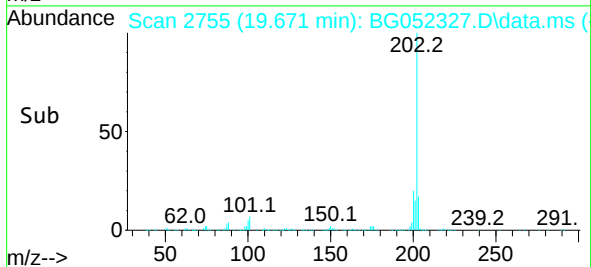
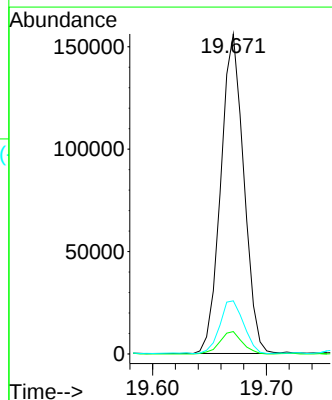
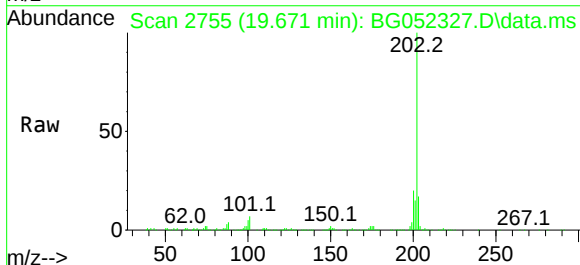
Instrument :
 BNA_G
 ClientSampleId :
 RO-124035

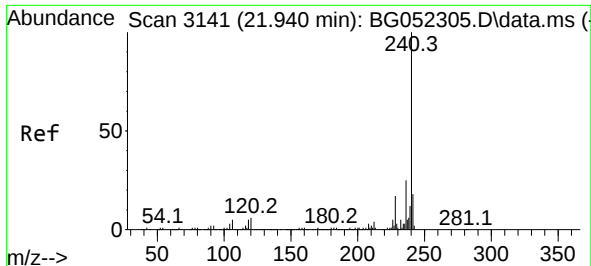
Tgt Ion:178 Resp: 23821
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.3 22.9
 179 17.0 13.1 19.7



#75
 Fluoranthene
 Concen: 16.298 ng
 RT: 19.671 min Scan# 2755
 Delta R.T. 0.004 min
 Lab File: BG052327.D
 Acq: 8 Feb 2022 20:06

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

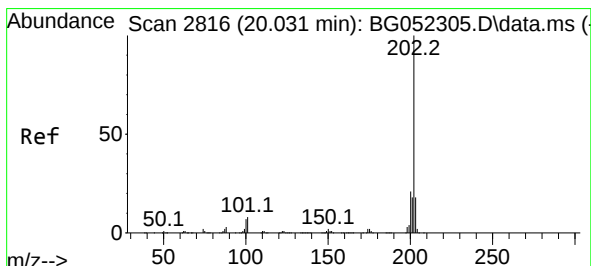
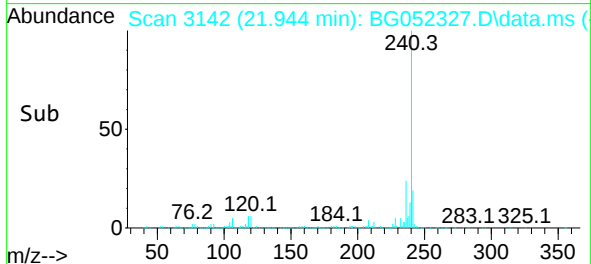
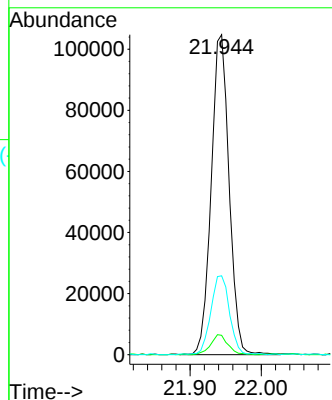
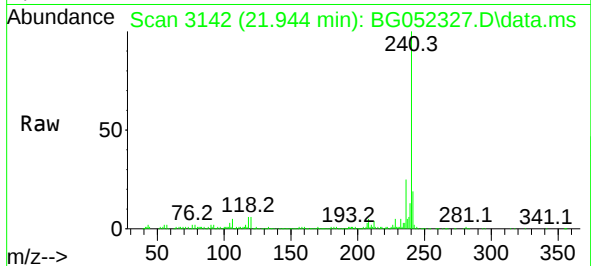




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.944 min Scan# 3141
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

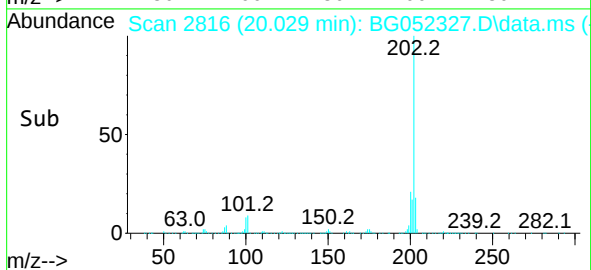
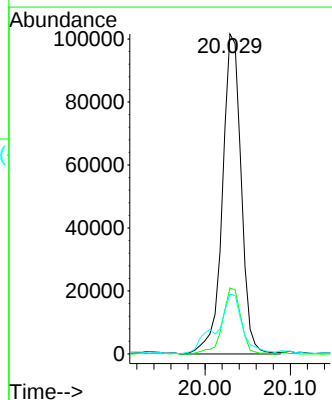
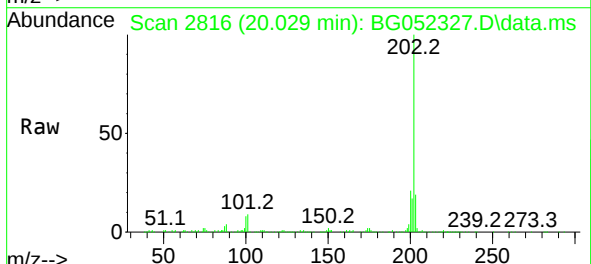
Instrument :
BNA_G
ClientSampleId :
RO-124035

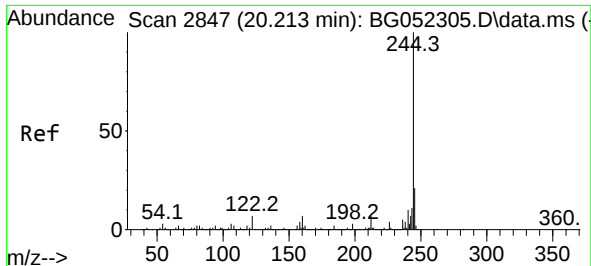
Tgt Ion:240 Resp: 183420
Ion Ratio Lower Upper
240 100
120 6.1 4.4 6.6
236 24.7 20.8 31.2



#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

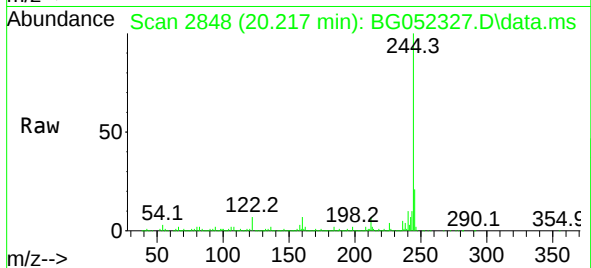
Tgt Ion:202 Resp: 155107
Ion Ratio Lower Upper
202 100
200 20.6 17.4 26.2
203 18.7 14.5 21.7



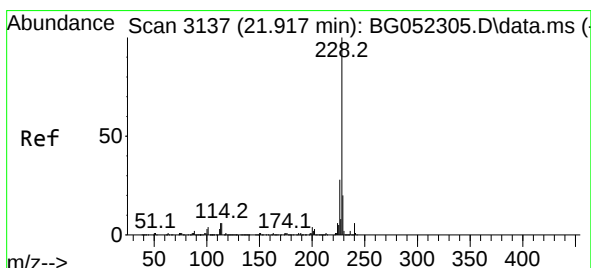
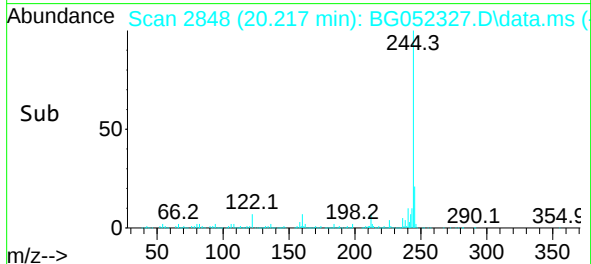
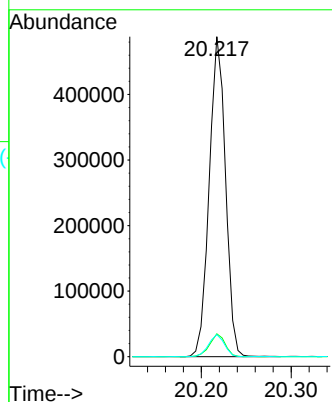


#79
Terphenyl-d14
Concen: 59.140 ng
RT: 20.217 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

Instrument :
BNA_G
ClientSampleId :
RO-124035

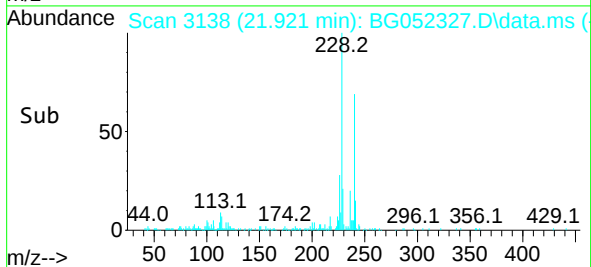
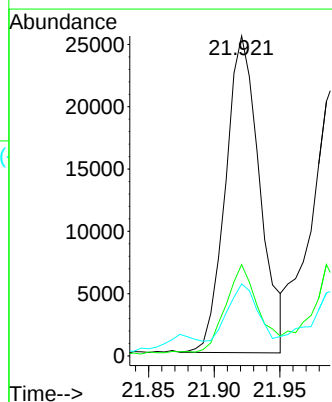
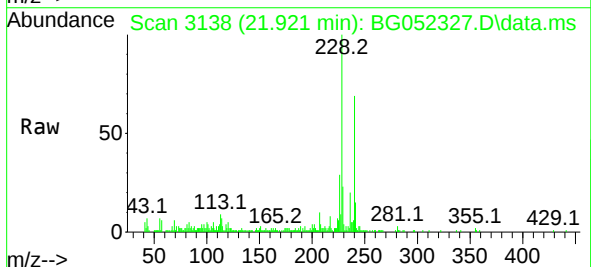


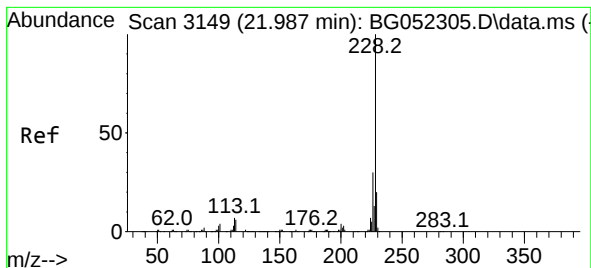
Tgt Ion:244 Resp: 614284
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 6.9 6.2 9.4



#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

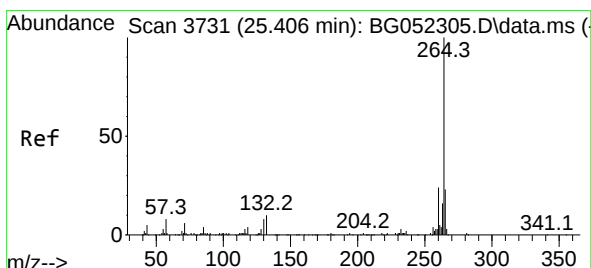
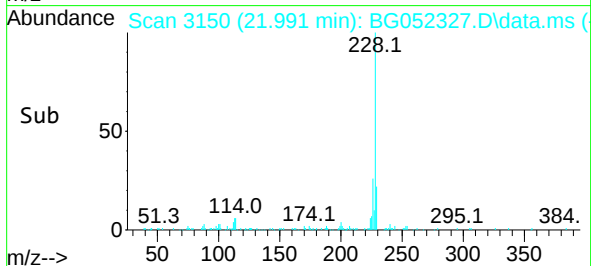
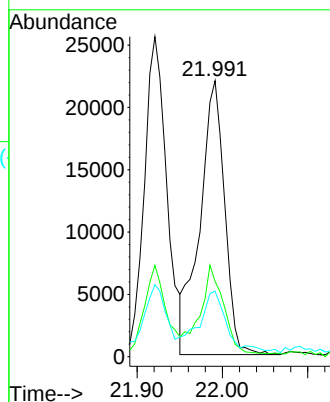
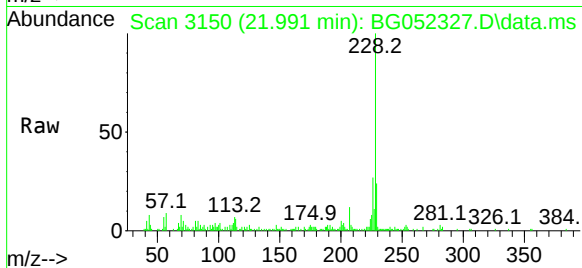
Tgt Ion:228 Resp: 44524

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

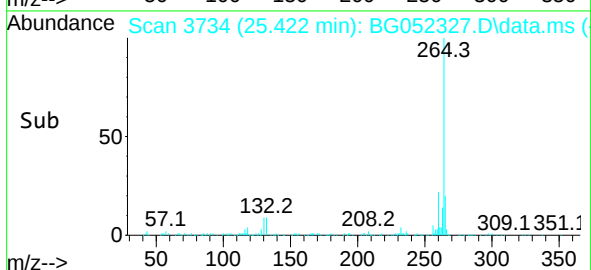
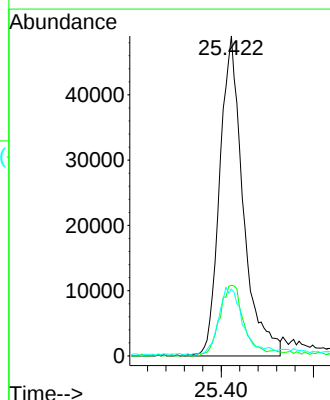
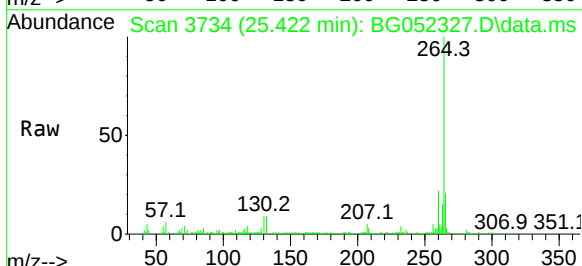
Tgt Ion:264 Resp: 172735

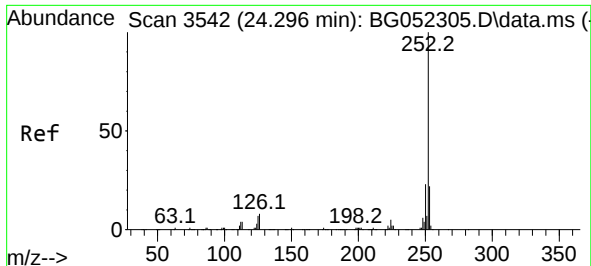
Ion Ratio Lower Upper

264 100

260 22.1 18.5 27.7

265 20.9 17.8 26.6

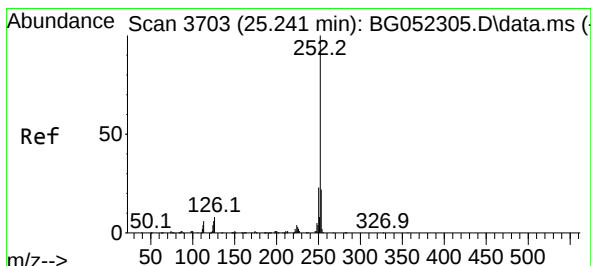
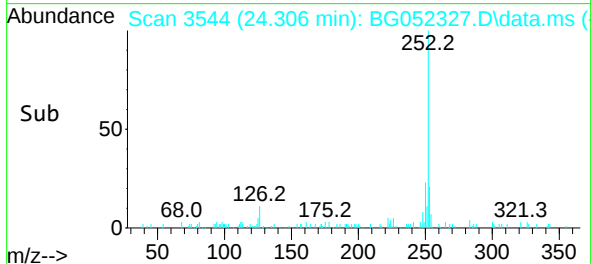
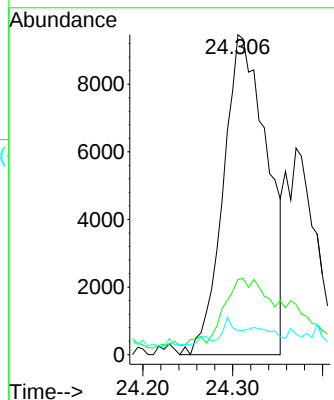
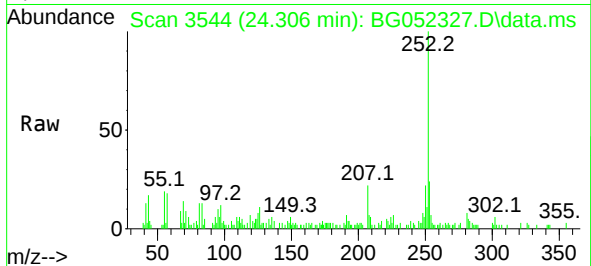




#88
Benzo(b)fluoranthene
Concen: 2.980 ng
RT: 24.306 min Scan# 311
Delta R.T. 0.010 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

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



#90
Benzo(a)pyrene
Concen: 2.199 ng
RT: 25.257 min Scan# 3706
Delta R.T. 0.016 min
Lab File: BG052327.D
Acq: 8 Feb 2022 20:06

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#

