

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072822\
 Data File : BG054436.D
 Acq On : 28 Jul 2022 17:51
 Operator : CG/JU
 Sample : N3893-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-9

Quant Time: Jul 29 04:09:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

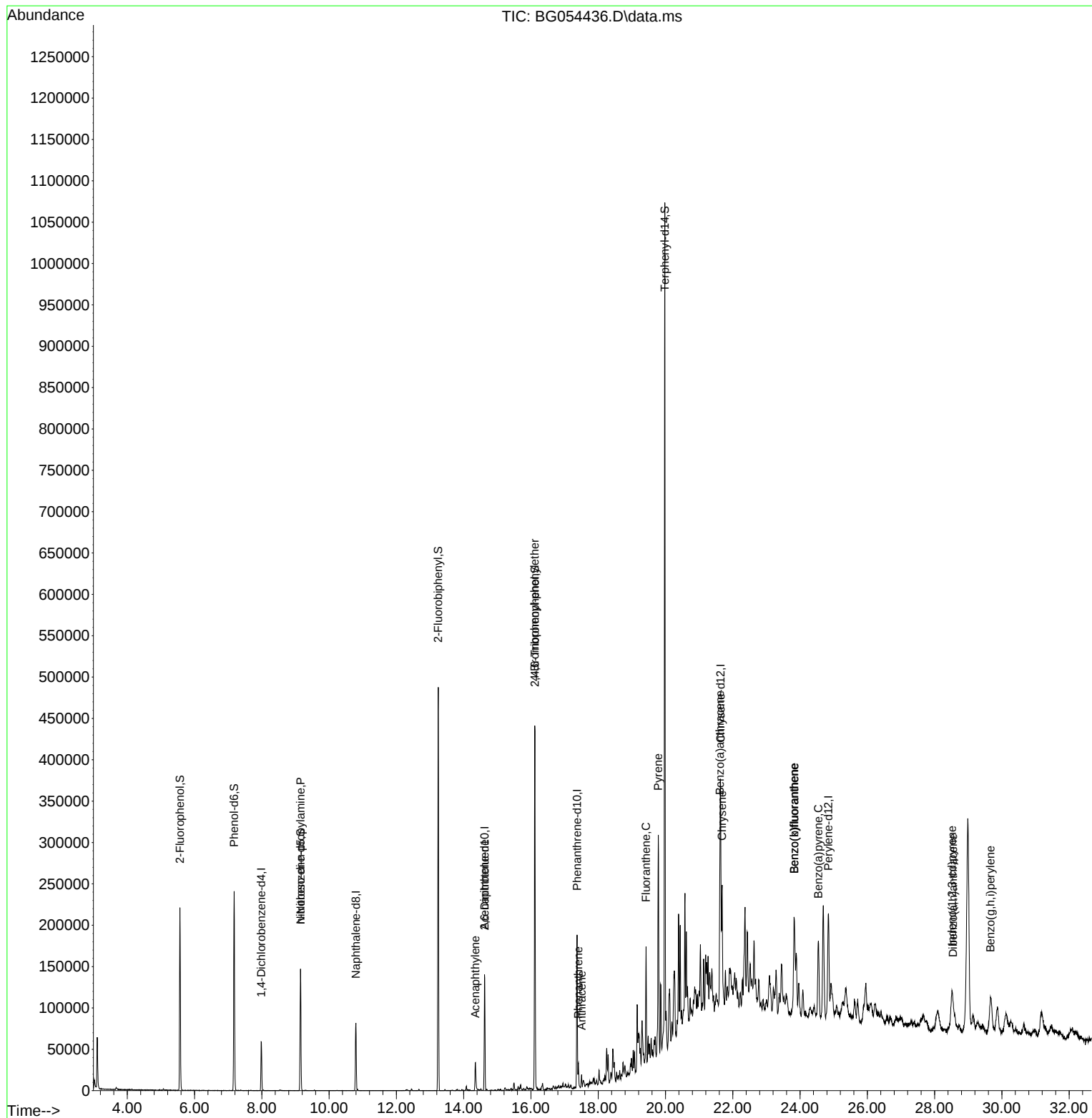
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	18689	20.000	ng	0.00
21) Naphthalene-d8	10.796	136	73085	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55144	20.000	ng	0.00
64) Phenanthrene-d10	17.370	188	132577	20.000	ng	# 0.00
76) Chrysene-d12	21.636	240	145038	20.000	ng	# 0.00
86) Perylene-d12	24.838	264	157566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.567	112	99856	111.556	ng	0.00
7) Phenol-d6	7.177	99	136308	111.133	ng	0.00
23) Nitrobenzene-d5	9.151	82	91562	68.225	ng	0.00
42) 2,4,6-Tribromophenol	16.119	330	120607	104.167	ng	0.00
45) 2-Fluorobiphenyl	13.246	172	281989	72.138	ng	0.00
79) Terphenyl-d14	19.979	244	537705	73.546	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.124	77	55	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.151	70	13710	16.739	ng	# 81
49) Acenaphthylene	14.351	152	36804	7.845	ng	98
51) 2,6-Dinitrotoluene	14.621	165	7555	7.997	ng	# 16
67) 4-Bromophenyl-phenylether	16.113	248	7217	3.876	ng	# 1
71) Phenanthrene	17.412	178	21990	3.331	ng	95
72) Anthracene	17.506	178	14422	2.226	ng	95
75) Fluoranthene	19.421	202	85044	9.449	ng	94
78) Pyrene	19.785	202	183057	21.996	ng	98
81) Benzo(a)anthracene	21.618	228	101991	11.078	ng	# 89
83) Chrysene	21.683	228	128545	14.778	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.516	276	95103	7.934	ng	94
88) Benzo(b)fluoranthene	23.828	252	169199	18.158	ng	# 95
89) Benzo(k)fluoranthene	23.828	252	169199	18.245	ng	# 96
90) Benzo(a)pyrene	24.539	252	114871	14.435	ng	99
91) Dibenzo(a,h)anthracene	28.552	278	27699	2.810	ng	# 86
92) Benzo(g,h,i)perylene	29.662	276	115533	11.876	ng	# 92

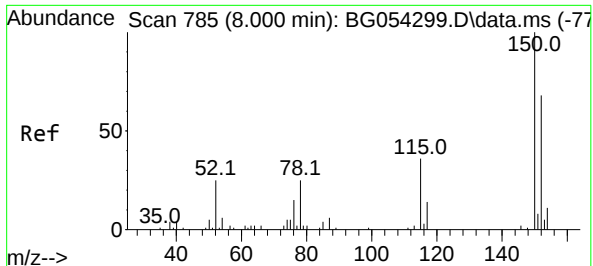
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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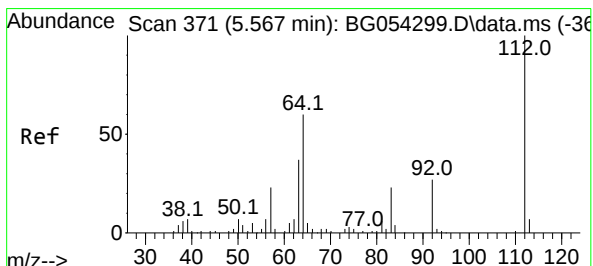
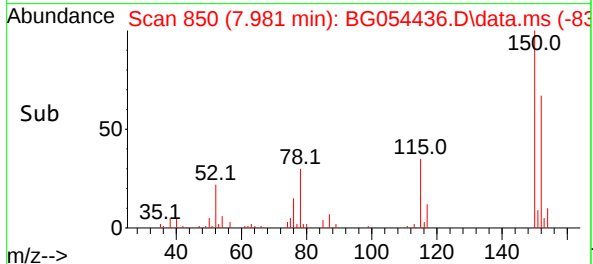
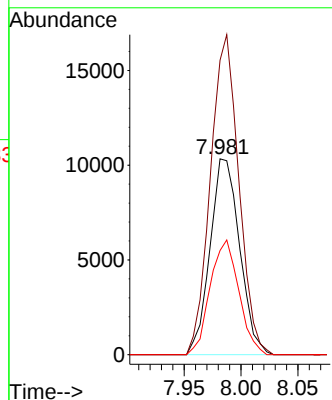
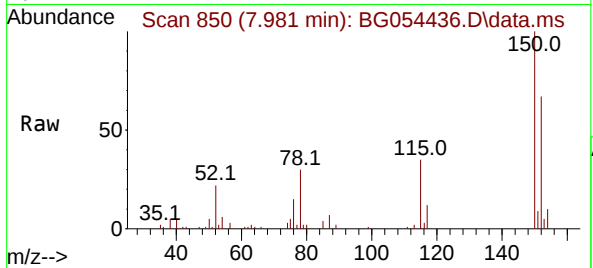




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

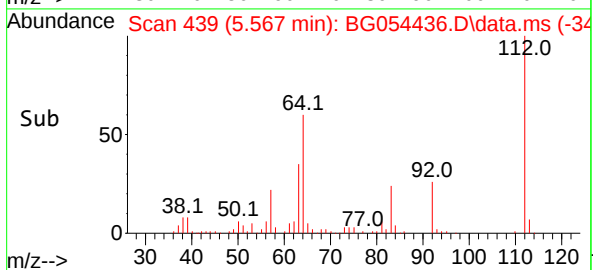
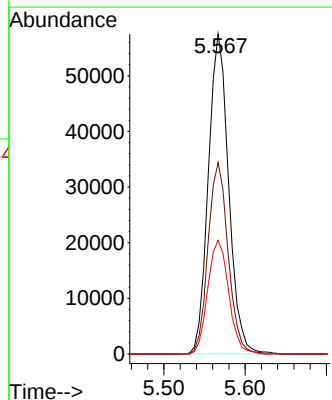
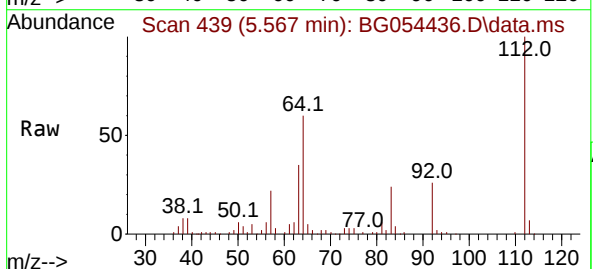
Instrument :
BNA_G
ClientSampleId :
RVE-9

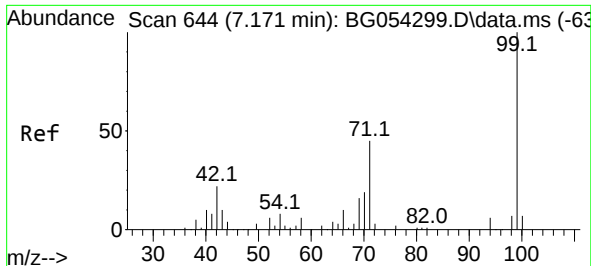
Tgt Ion:152 Resp: 18689
Ion Ratio Lower Upper
152 100
150 150.3 131.6 197.4
115 53.2 50.9 76.3



#5
2-Fluorophenol
Concen: 111.556 ng
RT: 5.567 min Scan# 439
Delta R.T. 0.005 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion:112 Resp: 99856
Ion Ratio Lower Upper
112 100
64 59.8 55.1 82.7
63 35.5 30.4 45.6

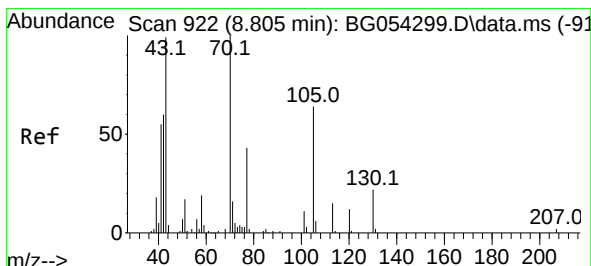
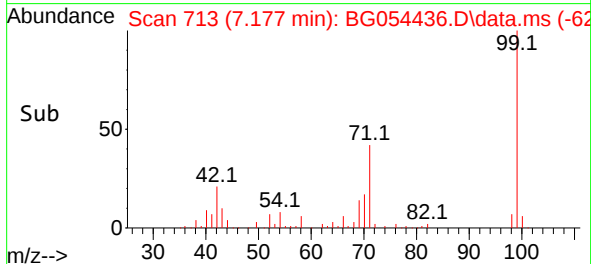
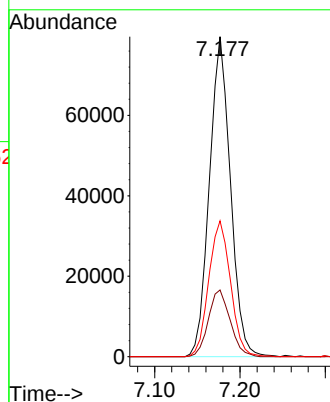
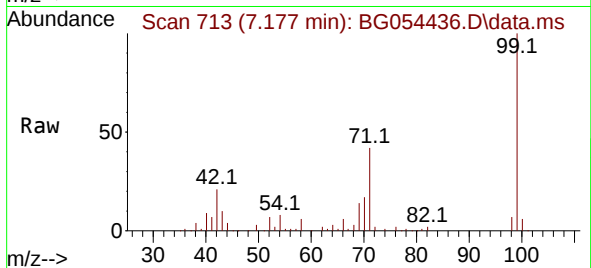




#7
Phenol-d6
Concen: 111.133 ng
RT: 7.177 min Scan# 71
Delta R.T. 0.005 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

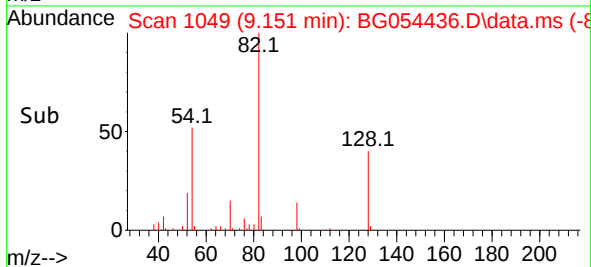
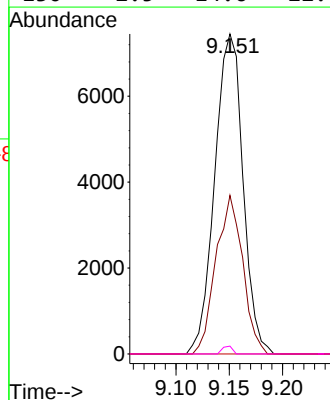
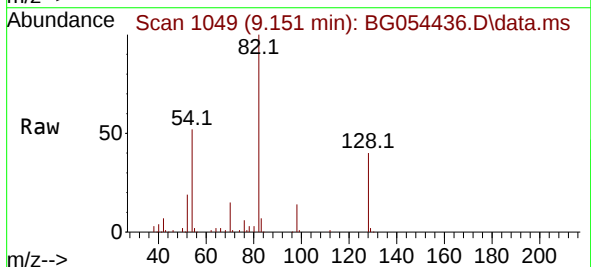
Instrument :
BNA_G
ClientSampleId :
RVE-9

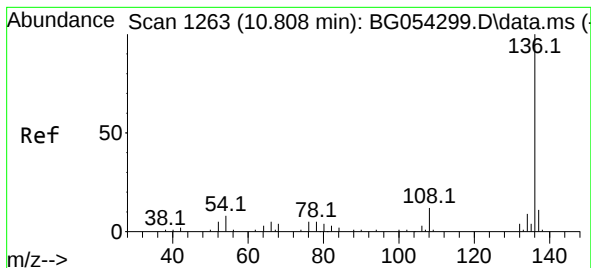
Tgt Ion: 99 Resp: 136308
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 42.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 16.739 ng
RT: 9.151 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion: 70 Resp: 13710
Ion Ratio Lower Upper
70 100
42 49.5 47.3 70.9
101 0.0 7.0 10.4#
130 2.5 14.6 22.0#

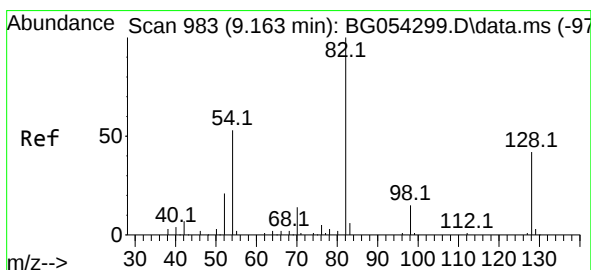
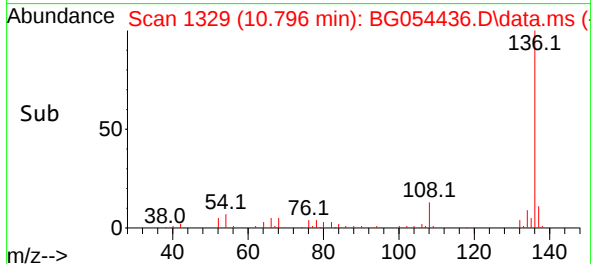
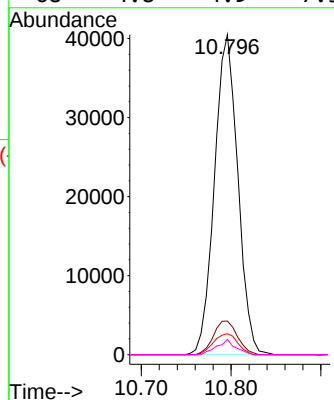
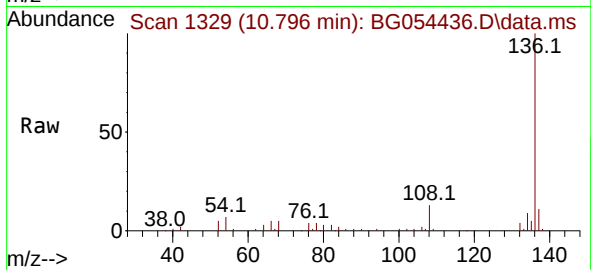




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

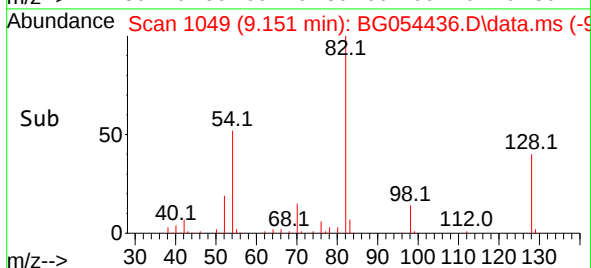
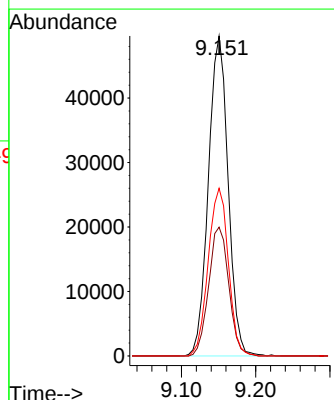
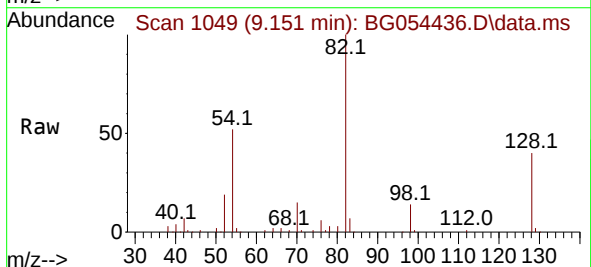
Instrument :
BNA_G
ClientSampleId :
RVE-9

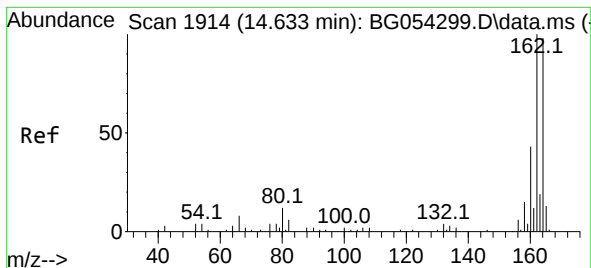
Tgt Ion:	136	Resp:	73085
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	6.5	7.4	11.2#
68	4.8	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 68.225 ng
RT: 9.151 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion:	82	Resp:	91562
Ion Ratio	Lower	Upper	
82	100		
128	40.3	27.9	41.9
54	52.4	41.2	61.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.621 min Scan# 1914

Delta R.T. -0.001 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

Instrument :

BNA_G

ClientSampleId :

RVE-9

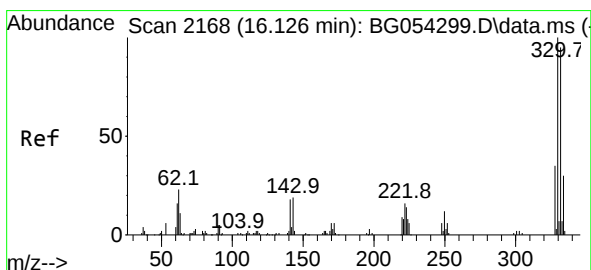
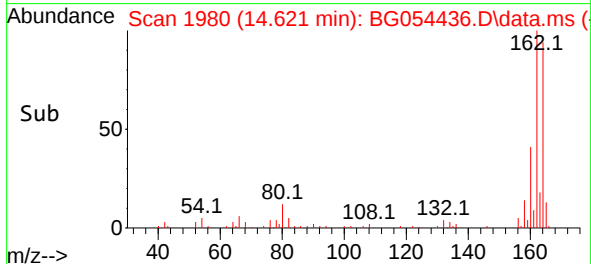
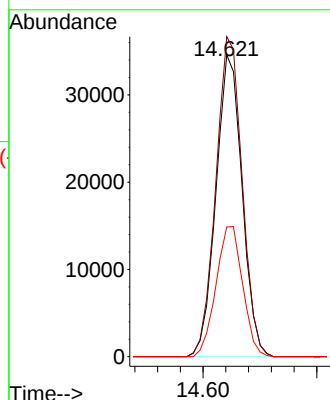
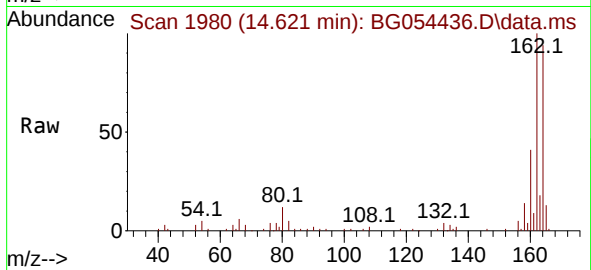
Tgt Ion:164 Resp: 55144

Ion Ratio Lower Upper

164 100

162 106.0 82.3 123.5

160 43.0 34.2 51.2



#42

2,4,6-Tribromophenol

Concen: 104.167 ng

RT: 16.119 min Scan# 2235

Delta R.T. 0.005 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

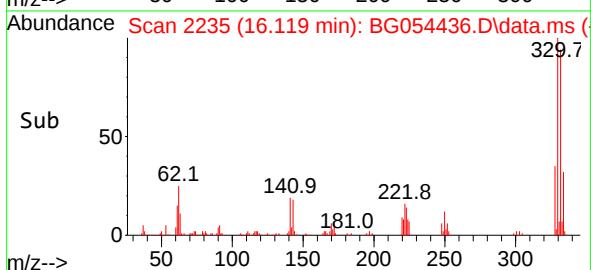
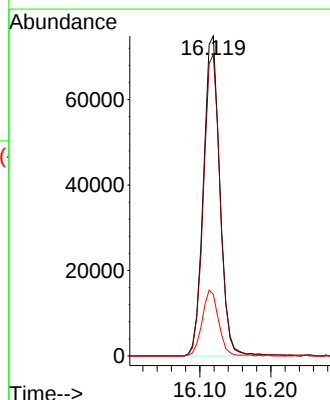
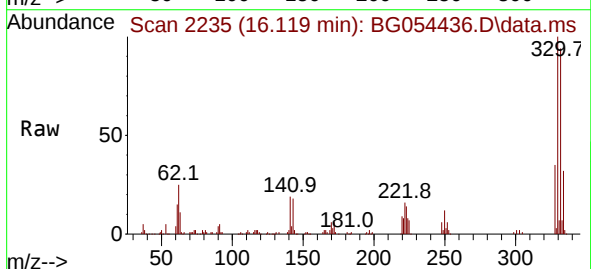
Tgt Ion:330 Resp: 120607

Ion Ratio Lower Upper

330 100

332 95.5 76.0 114.0

141 20.6 27.1 40.7#

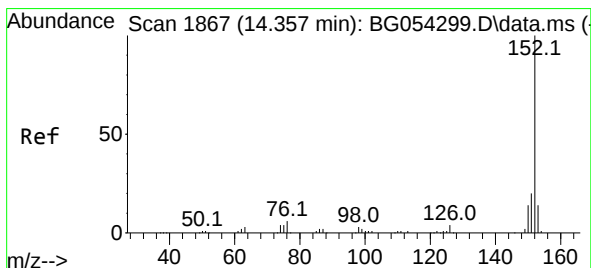
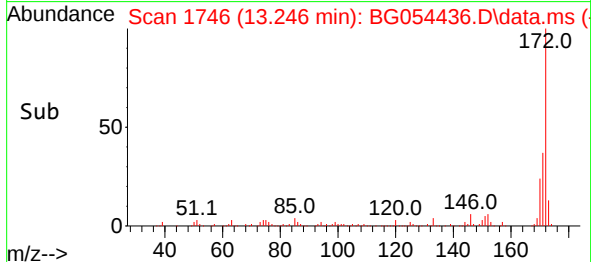
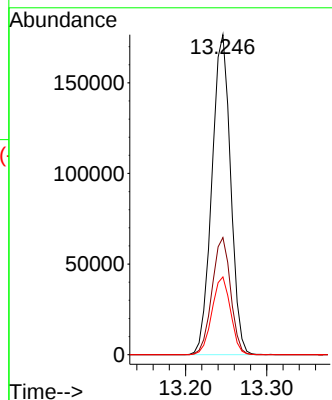
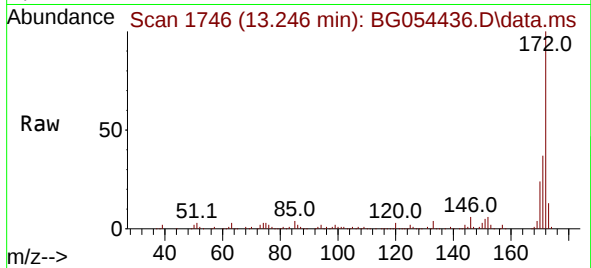




#45
2-Fluorobiphenyl
Concen: 72.138 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

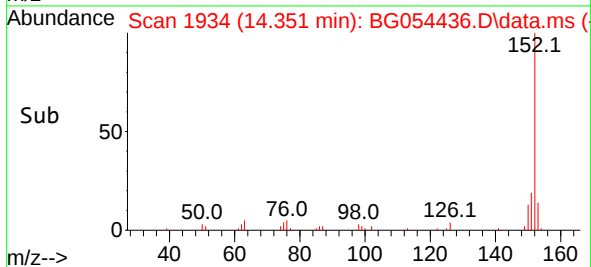
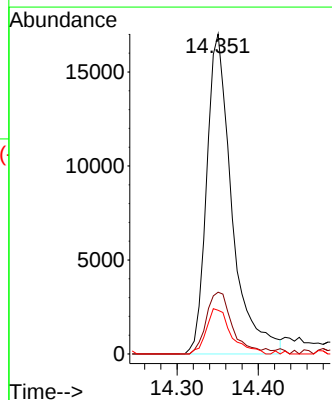
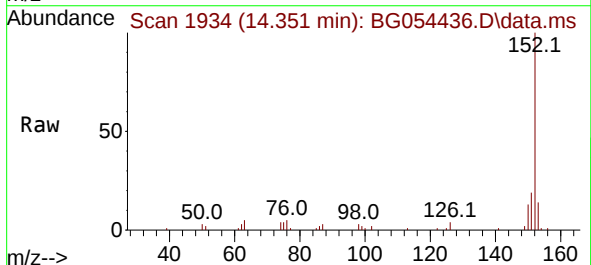
Instrument :
BNA_G
ClientSampleId :
RVE-9

Tgt Ion:172 Resp: 281989
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.3 18.9 28.3



#49
Acenaphthylene
Concen: 7.845 ng
RT: 14.351 min Scan# 1934
Delta R.T. 0.005 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion:152 Resp: 36804
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 13.6 10.8 16.2





#51

2,6-Dinitrotoluene

Concen: 7.997 ng

RT: 14.621 min Scan# 14

Delta R.T. 0.422 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

Instrument :

BNA_G

ClientSampleId :

RVE-9

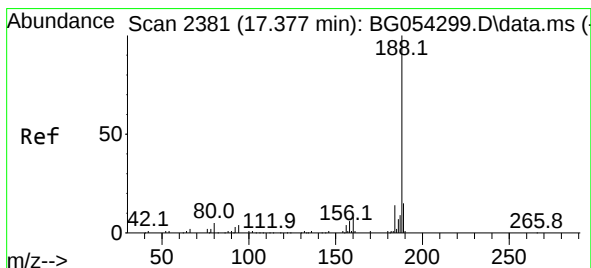
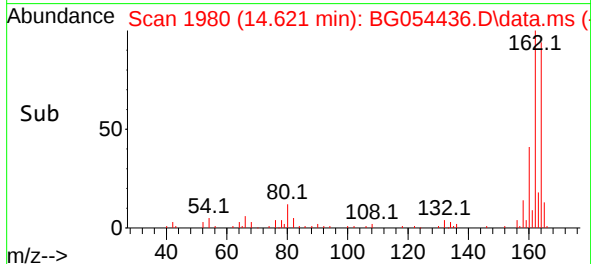
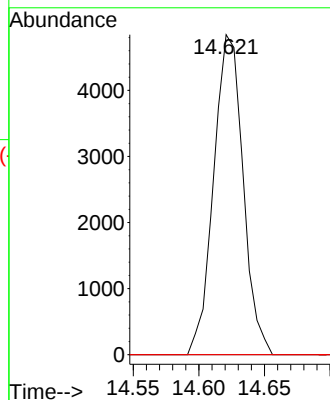
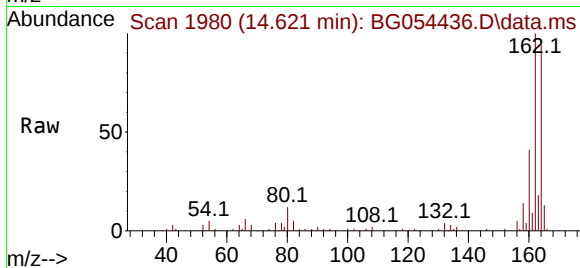
Tgt Ion:165 Resp: 7555

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

89 0.0 54.8 82.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.370 min Scan# 2448

Delta R.T. -0.001 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

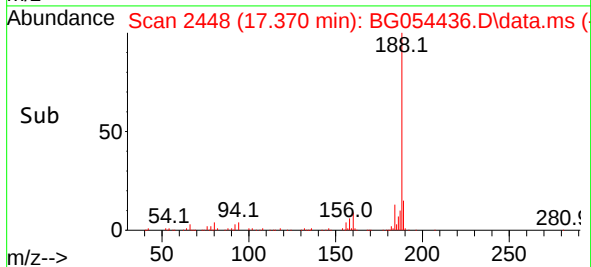
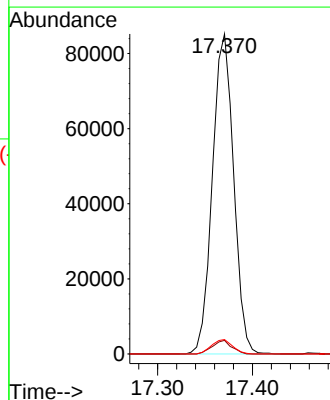
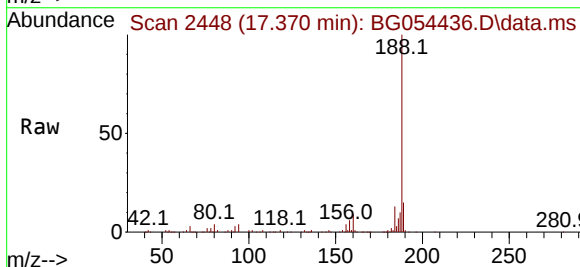
Tgt Ion:188 Resp: 132577

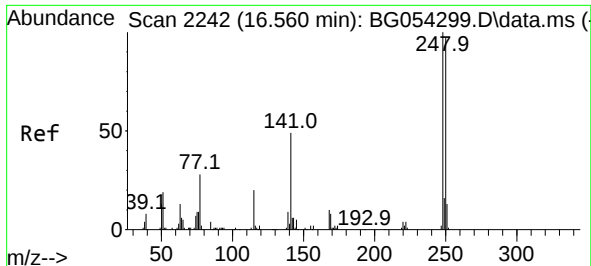
Ion Ratio Lower Upper

188 100

94 4.2 5.4 8.0#

80 4.5 6.8 10.2#

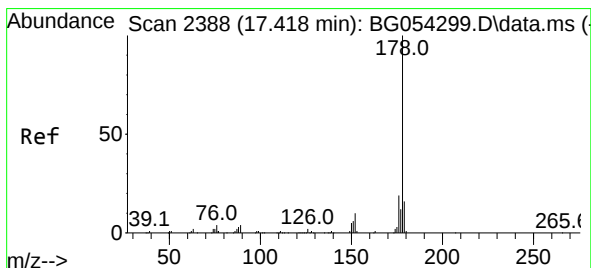
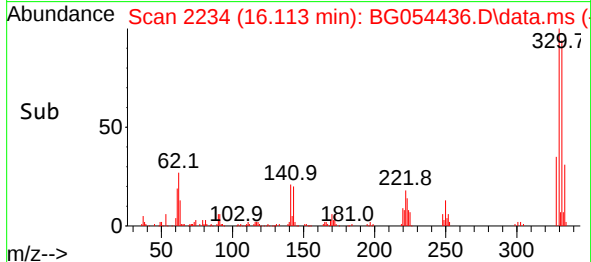
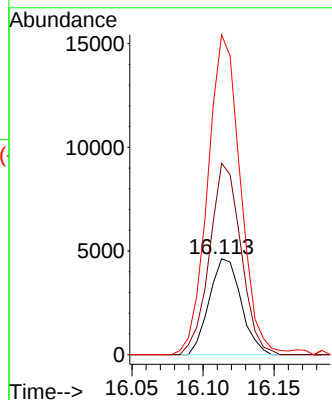
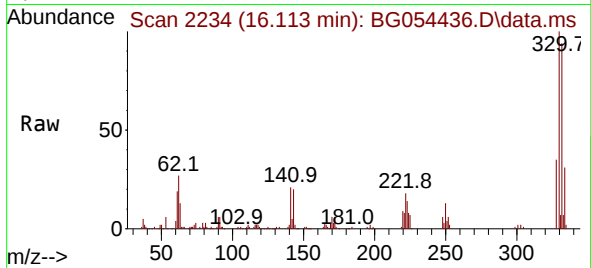




#67
4-Bromophenyl-phenylether
Concen: 3.876 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

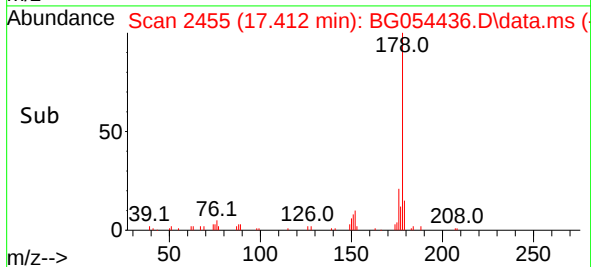
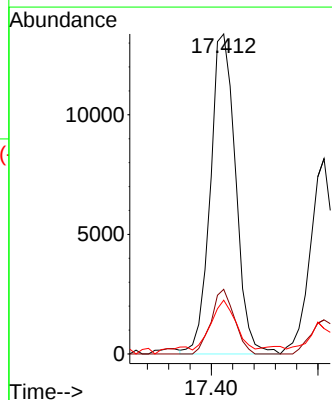
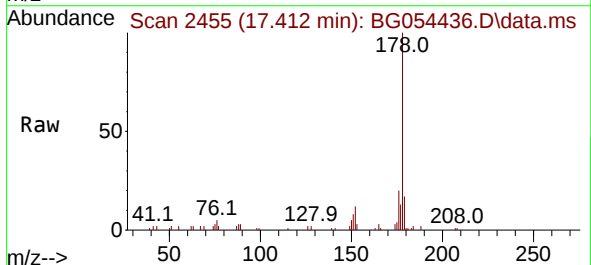
Instrument :
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RVE-9

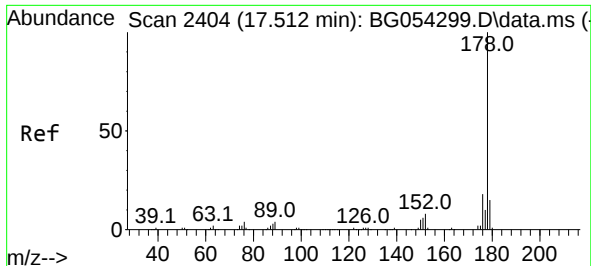
Tgt Ion:248 Resp: 7217
Ion Ratio Lower Upper
248 100
250 142.8 75.2 112.8#
141 238.6 50.0 75.0#



#71
Phenanthrene
Concen: 3.331 ng
RT: 17.412 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion:178 Resp: 21990
Ion Ratio Lower Upper
178 100
176 20.2 14.1 21.1
179 16.8 12.1 18.1

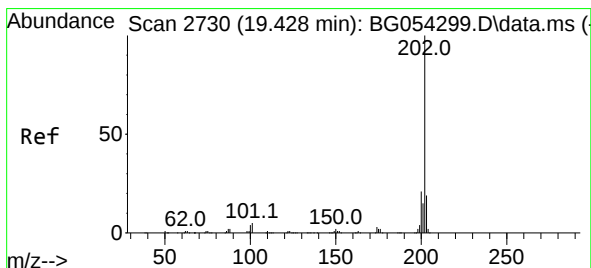
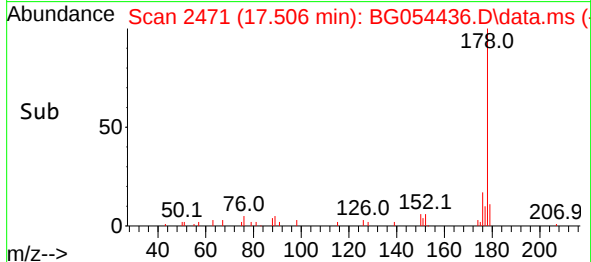
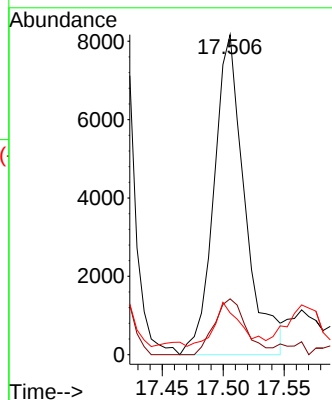
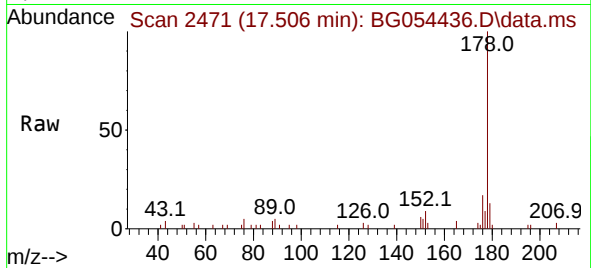




#72
 Anthracene
 Concen: 2.226 ng
 RT: 17.506 min Scan# 24
 Delta R.T. 0.005 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

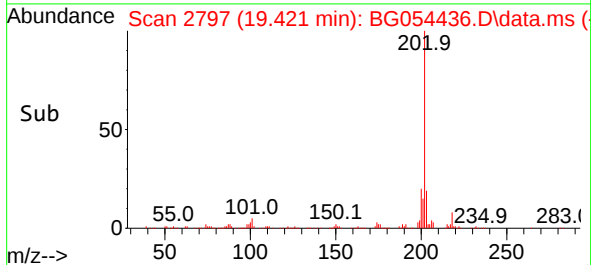
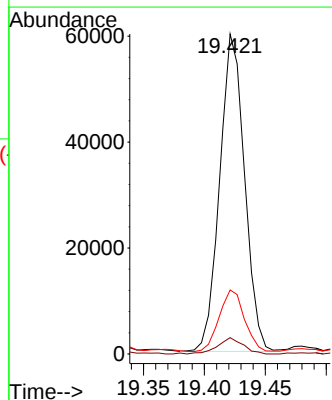
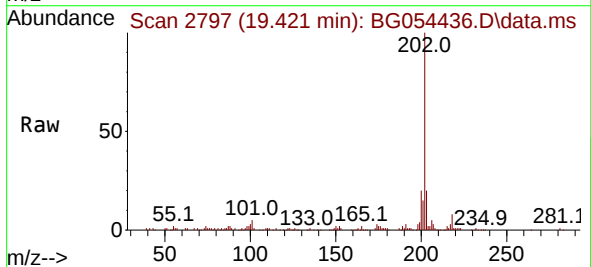
Instrument :
 BNA_G
 ClientSampleId :
 RVE-9

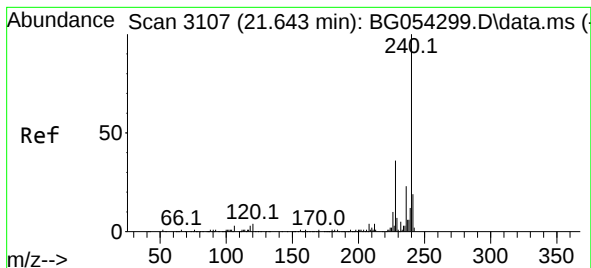
Tgt Ion:178 Resp: 14422
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.2 22.8
 179 13.1 13.0 19.4



#75
 Fluoranthene
 Concen: 9.449 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

Tgt Ion:202 Resp: 85044
 Ion Ratio Lower Upper
 202 100
 101 5.1 0.0 26.9
 203 20.0 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

Instrument :

BNA_G

ClientSampleId :

RVE-9

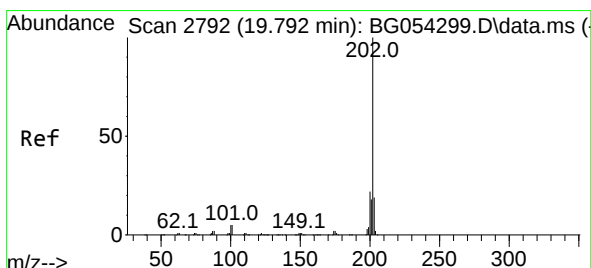
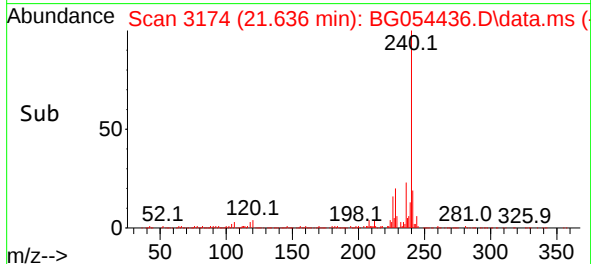
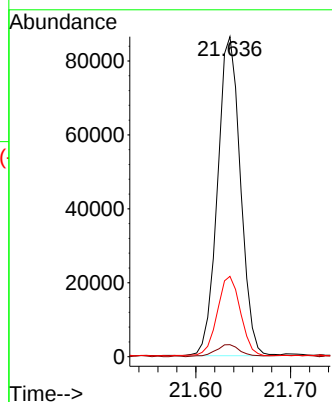
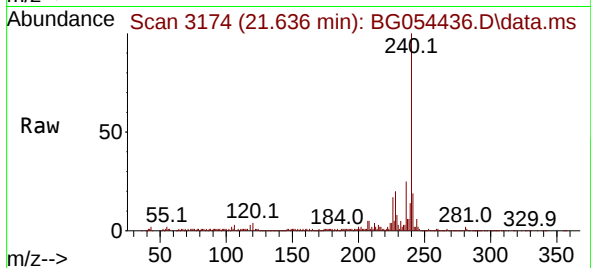
Tgt Ion:240 Resp: 145038

Ion Ratio Lower Upper

240 100

120 3.8 4.6 7.0#

236 25.1 20.2 30.4



#78

Pyrene

Concen: 21.996 ng

RT: 19.785 min Scan# 2859

Delta R.T. -0.001 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

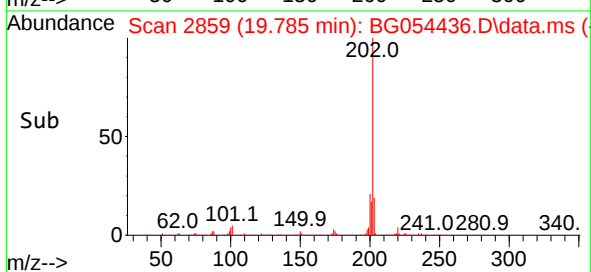
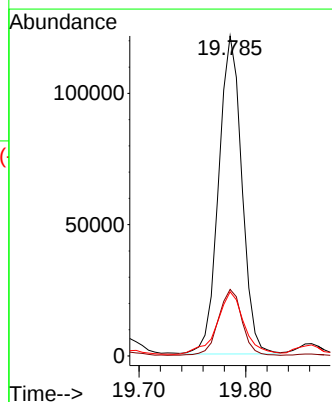
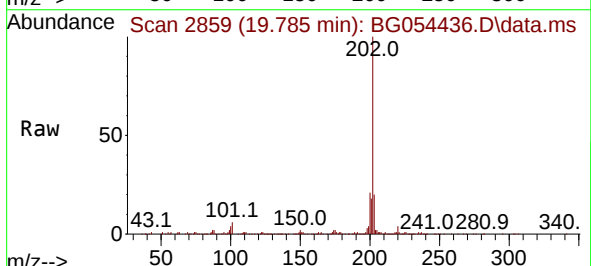
Tgt Ion:202 Resp: 183057

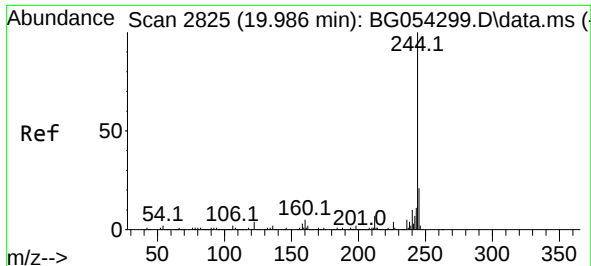
Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

203 20.1 14.6 21.8

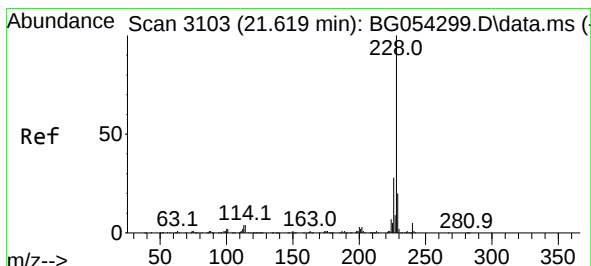
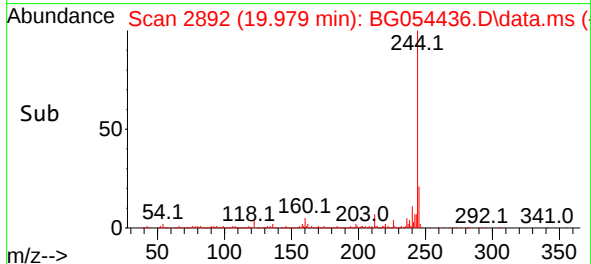
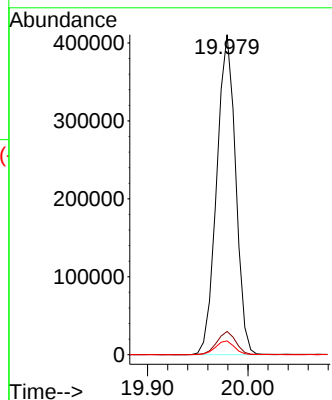
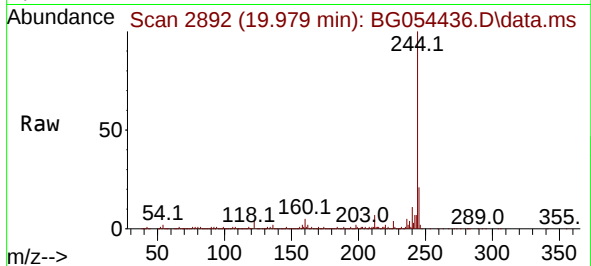




#79
 Terphenyl-d14
 Concen: 73.546 ng
 RT: 19.979 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

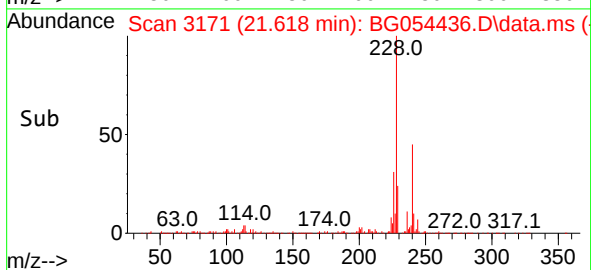
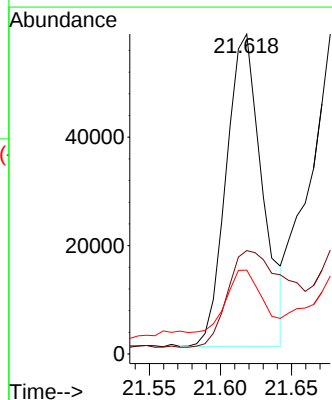
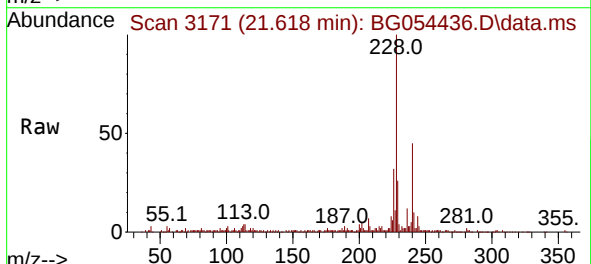
Instrument :
 BNA_G
 ClientSampleId :
 RVE-9

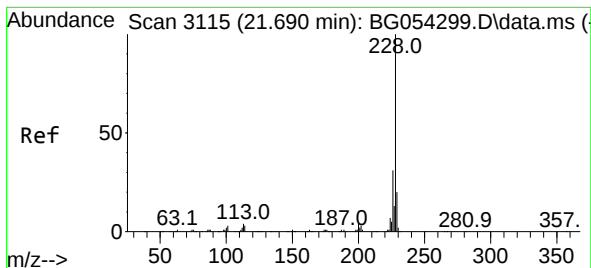
Tgt Ion:244 Resp: 537705
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 4.3 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 11.078 ng
 RT: 21.618 min Scan# 3171
 Delta R.T. 0.005 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

Tgt Ion:228 Resp: 101991
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.6 32.4
 229 26.2 16.2 24.2#





#83

Chrysene

Concen: 14.778 ng

RT: 21.683 min Scan# 3115

Delta R.T. -0.001 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

Instrument :

BNA_G

ClientSampleId :

RVE-9

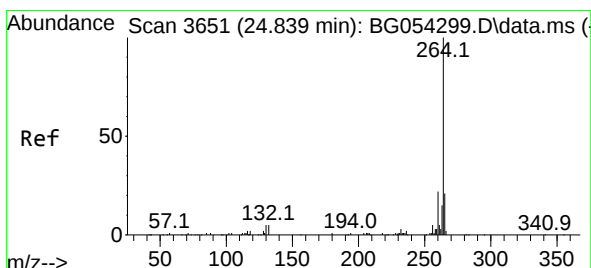
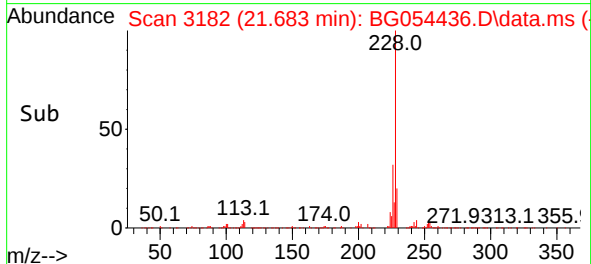
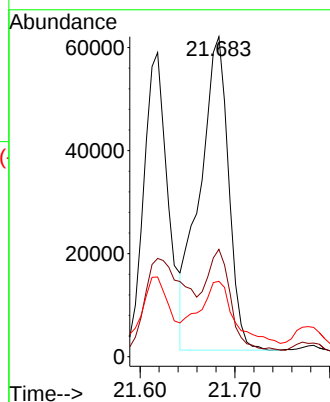
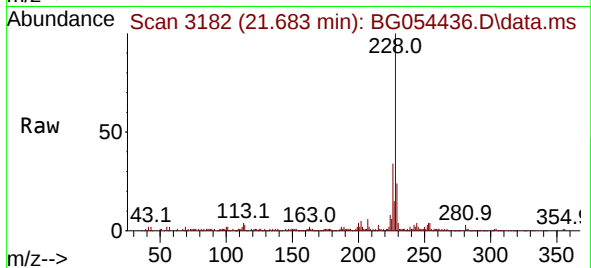
Tgt Ion:228 Resp: 128545

Ion Ratio Lower Upper

228 100

226 33.6 23.4 35.2

229 23.5 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.838 min Scan# 3719

Delta R.T. 0.005 min

Lab File: BG054436.D

Acq: 28 Jul 2022 17:51

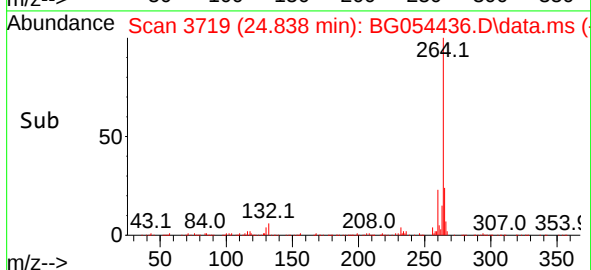
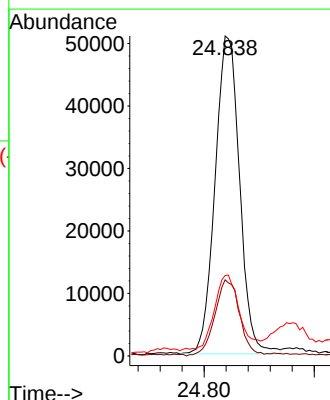
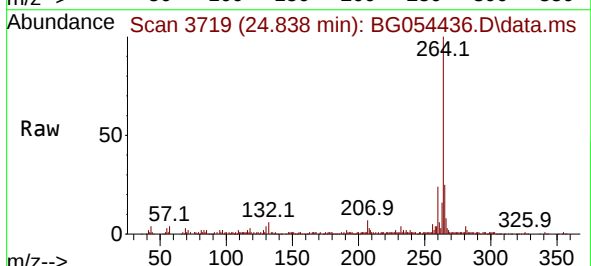
Tgt Ion:264 Resp: 157566

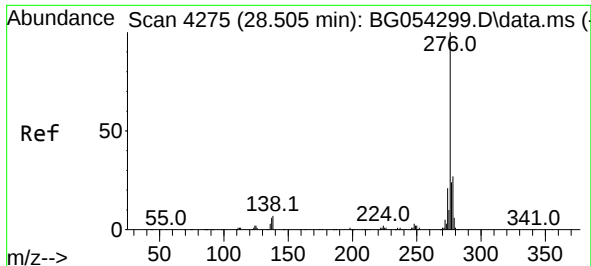
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 25.2 17.4 26.2

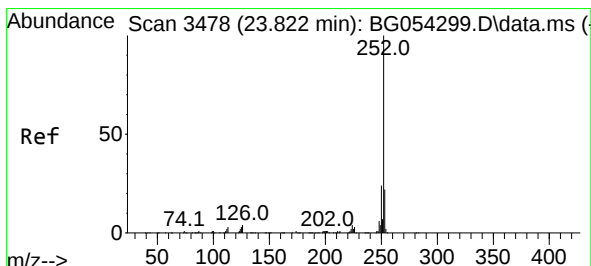
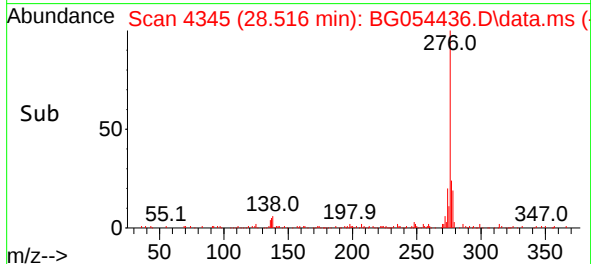
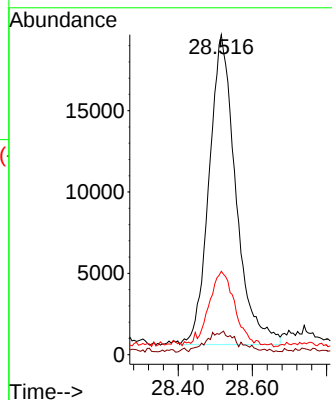
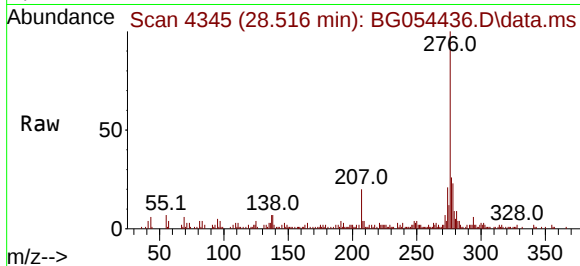




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.934 ng
 RT: 28.516 min Scan# 41
 Delta R.T. -0.001 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

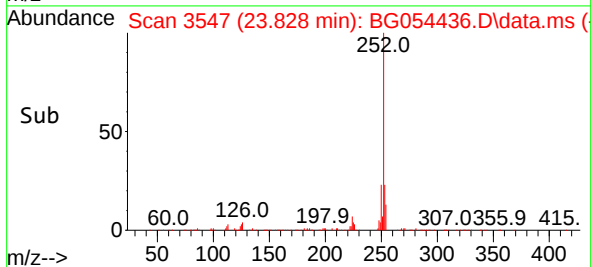
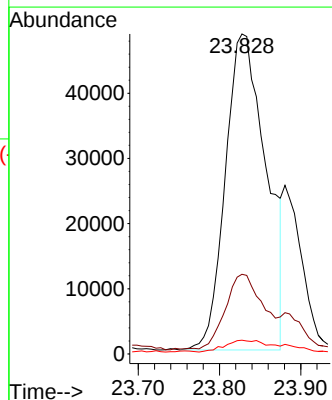
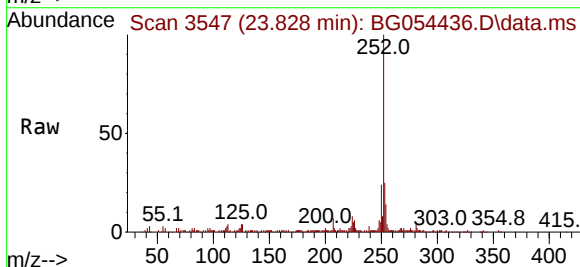
Instrument :
 BNA_G
 ClientSampleId :
 RVE-9

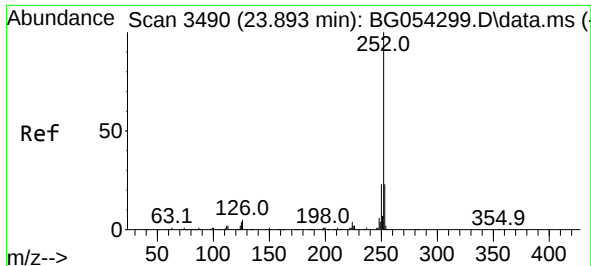
Tgt Ion:276 Resp: 95103
 Ion Ratio Lower Upper
 276 100
 138 6.2 5.0 7.4
 277 21.7 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 18.158 ng
 RT: 23.828 min Scan# 3547
 Delta R.T. 0.005 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

Tgt Ion:252 Resp: 169199
 Ion Ratio Lower Upper
 252 100
 253 24.9 18.0 27.0
 125 4.3 4.6 6.8#

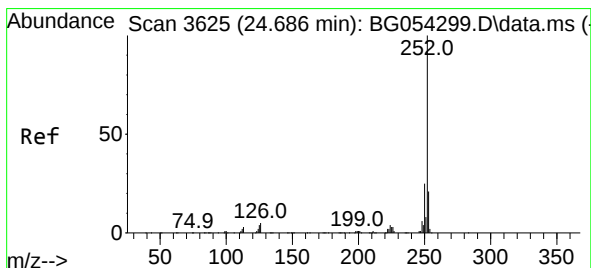
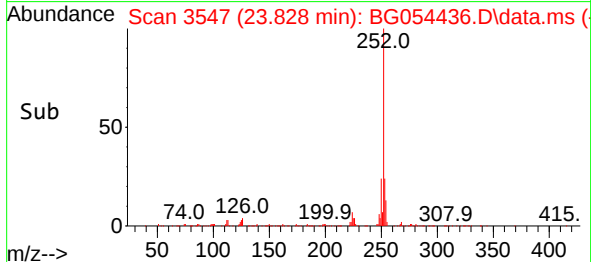
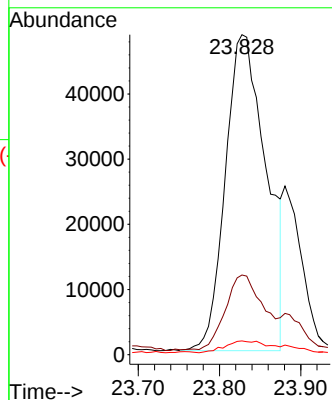
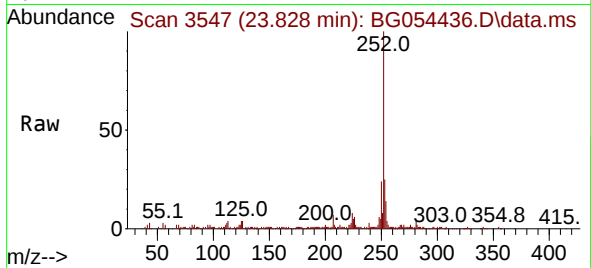




#89
Benzo(k)fluoranthene
Concen: 18.245 ng
RT: 23.828 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

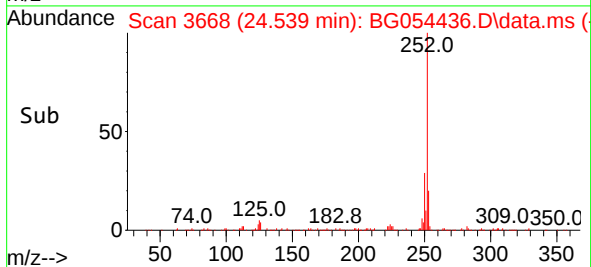
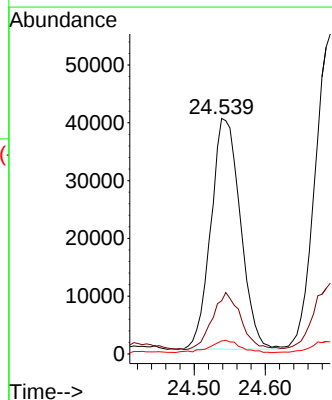
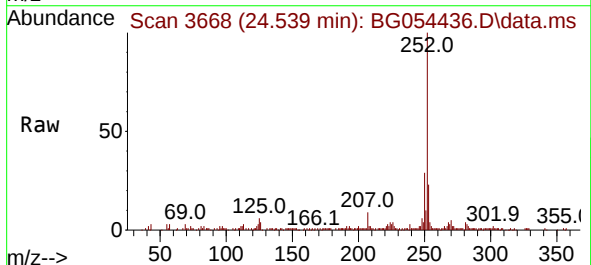
Instrument :
BNA_G
ClientSampleId :
RVE-9

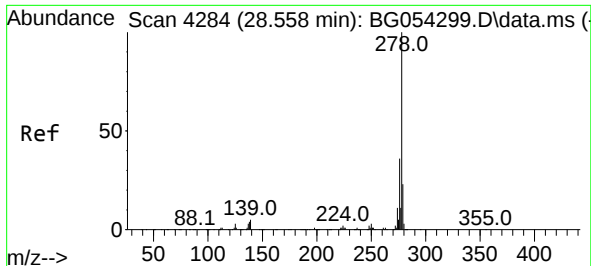
Tgt Ion:252 Resp: 169199
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 4.3 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 14.435 ng
RT: 24.539 min Scan# 3668
Delta R.T. -0.148 min
Lab File: BG054436.D
Acq: 28 Jul 2022 17:51

Tgt Ion:252 Resp: 114871
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 5.5 4.3 6.5

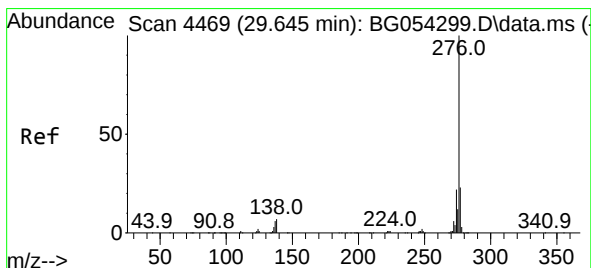
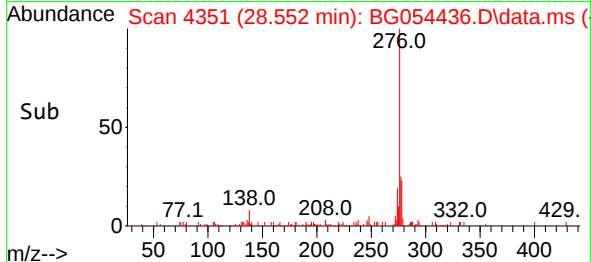
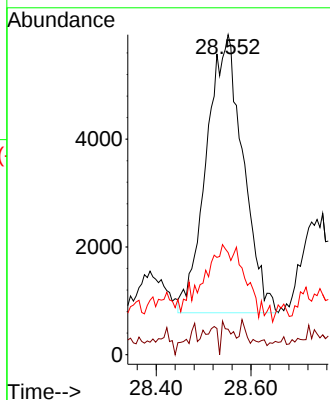
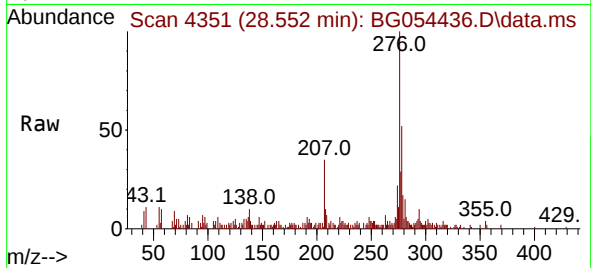




#91
 Dibenzo(a,h)anthracene
 Concen: 2.810 ng
 RT: 28.552 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

Instrument :
 BNA_G
 ClientSampleId :
 RVE-9

Tgt Ion:278 Resp: 27699
 Ion Ratio Lower Upper
 278 100
 139 8.0 7.2 10.8
 279 31.9 18.6 27.8#



#92
 Benzo(g,h,i)perylene
 Concen: 11.876 ng
 RT: 29.662 min Scan# 4540
 Delta R.T. -0.001 min
 Lab File: BG054436.D
 Acq: 28 Jul 2022 17:51

Tgt Ion:276 Resp: 115533
 Ion Ratio Lower Upper
 276 100
 277 25.0 17.3 25.9
 138 8.0 9.6 14.4#

