

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081022\
 Data File : BG054584.D
 Acq On : 10 Aug 2022 11:59
 Operator : CG/JU
 Sample : N3962-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-190

Quant Time: Aug 10 14:25:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

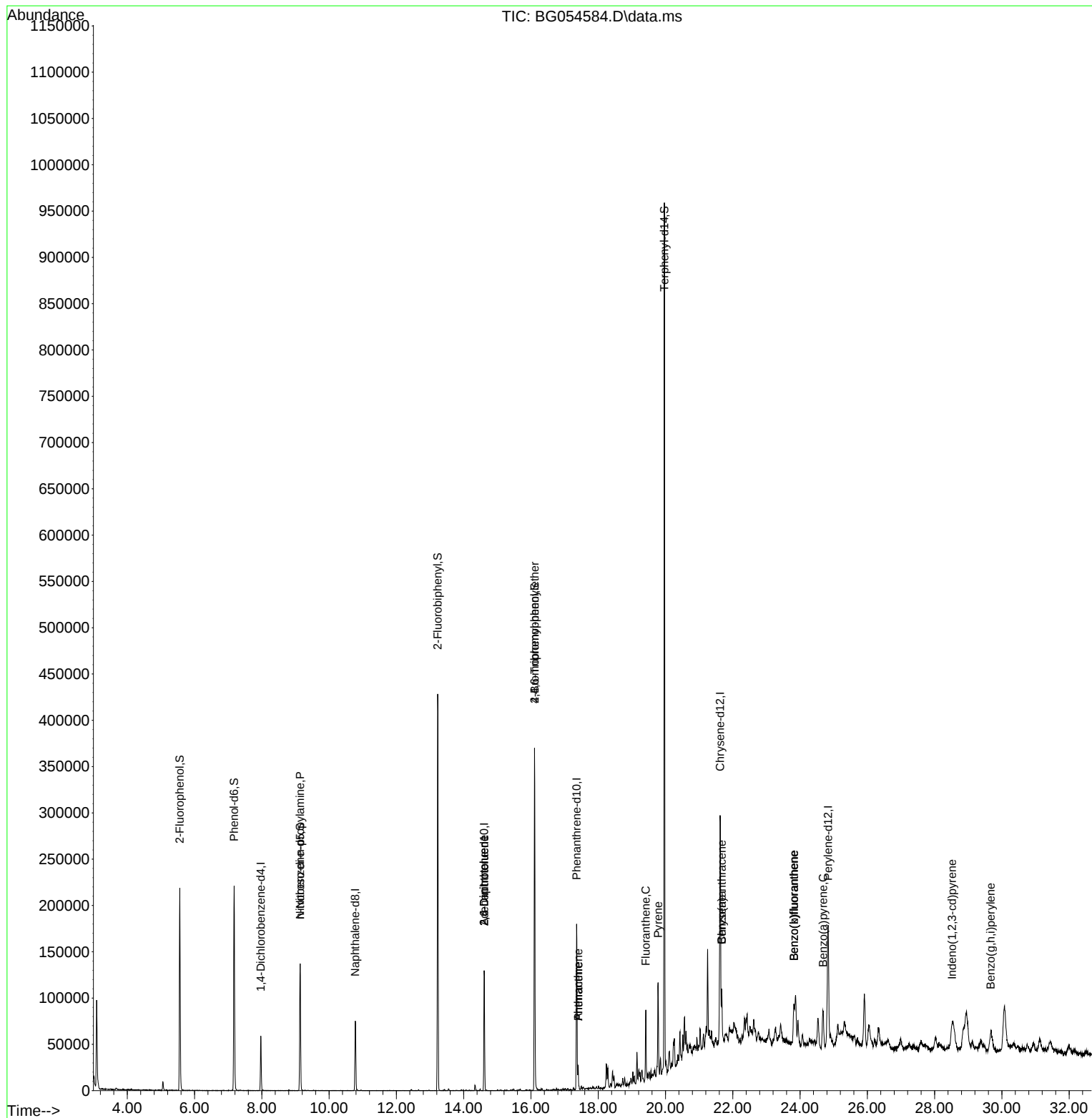
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.971	152	18882	20.000	ng	# 0.00
21) Naphthalene-d8	10.779	136	70587	20.000	ng	# 0.00
39) Acenaphthene-d10	14.610	164	51803	20.000	ng	0.00
64) Phenanthrene-d10	17.360	188	130761	20.000	ng	# 0.00
76) Chrysene-d12	21.625	240	151492	20.000	ng	# 0.00
86) Perylene-d12	24.833	264	159698	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	99498	110.020	ng	0.00
7) Phenol-d6	7.177	99	128079	103.356	ng	0.00
23) Nitrobenzene-d5	9.140	82	87464	67.477	ng	0.00
42) 2,4,6-Tribromophenol	16.108	330	99493	91.473	ng	0.00
45) 2-Fluorobiphenyl	13.229	172	248216	67.594	ng	0.00
79) Terphenyl-d14	19.968	244	521250	68.258	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.125	77	150	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.140	70	12510	15.118	ng	# 79
51) 2,6-Dinitrotoluene	14.610	165	6995	7.882	ng	# 16
57) 2,4-Dinitrotoluene	14.610	165	6995	5.498	ng	# 21
67) 4-Bromophenyl-phenylether	16.108	248	6044	3.291	ng	# 1
71) Phenanthrene	17.407	178	19328	2.968	ng	96
72) Anthracene	17.407	178	19328	3.025	ng	97
75) Fluoranthene	19.416	202	49470	5.573	ng	96
78) Pyrene	19.780	202	70957	8.163	ng	99
81) Benzo(a)anthracene	21.672	228	45702	4.752	ng	93
83) Chrysene	21.672	228	45702	5.030	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.517	276	36559	3.009	ng	# 94
88) Benzo(b)fluoranthene	23.823	252	63294	6.702	ng	98
89) Benzo(k)fluoranthene	23.823	252	63294	6.734	ng	99
90) Benzo(a)pyrene	24.686	252	46544	5.771	ng	# 99
92) Benzo(g,h,i)perylene	29.669	276	39720	4.029	ng	# 90

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

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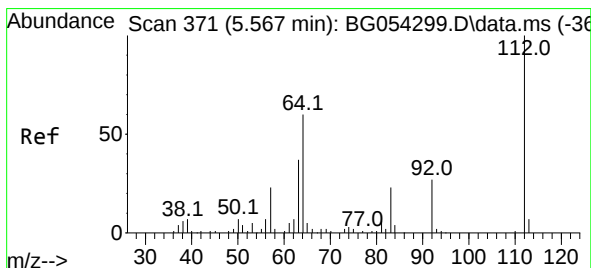
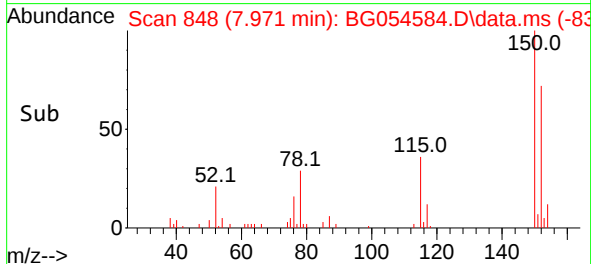
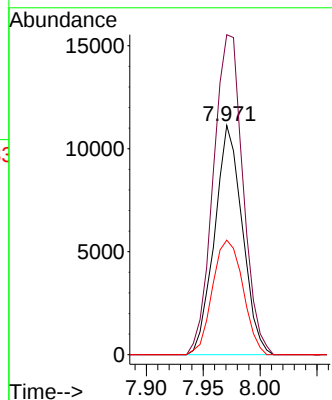
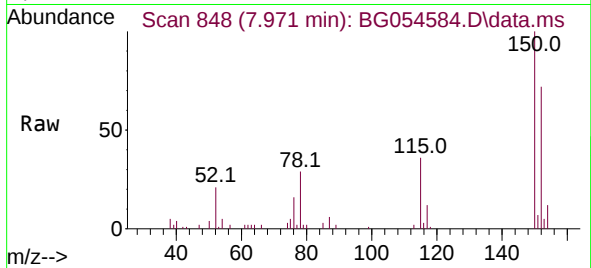




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.971 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

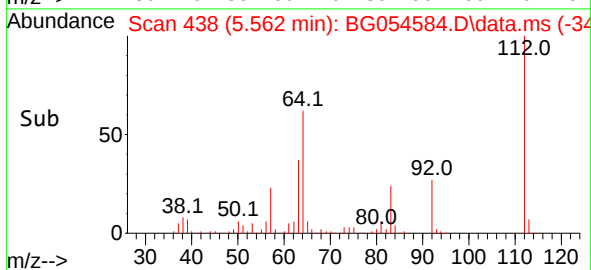
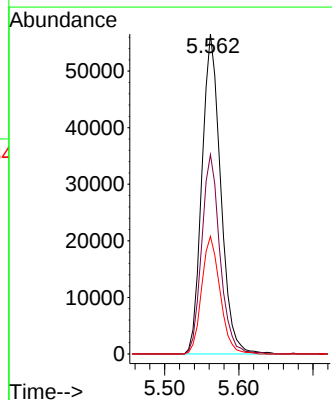
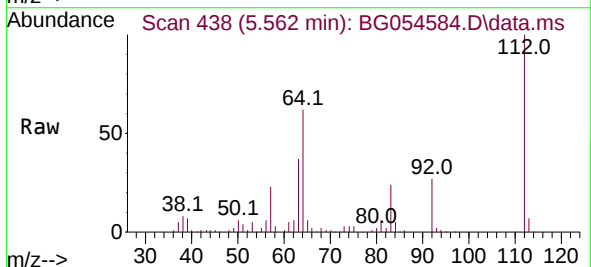
Instrument :
BNA_G
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RVE-190

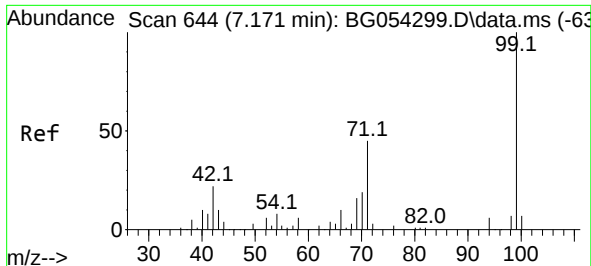
Tgt Ion:152 Resp: 18882
Ion Ratio Lower Upper
152 100
150 139.6 131.6 197.4
115 50.0 50.9 76.3#



#5
2-Fluorophenol
Concen: 110.020 ng
RT: 5.562 min Scan# 438
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:112 Resp: 99498
Ion Ratio Lower Upper
112 100
64 62.3 55.1 82.7
63 36.8 30.4 45.6

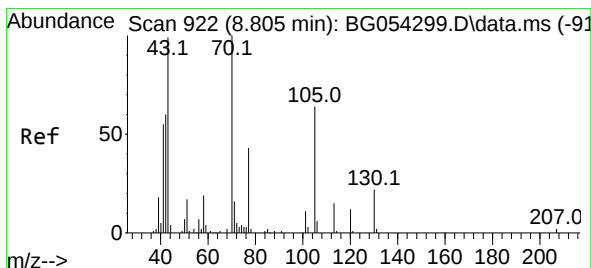
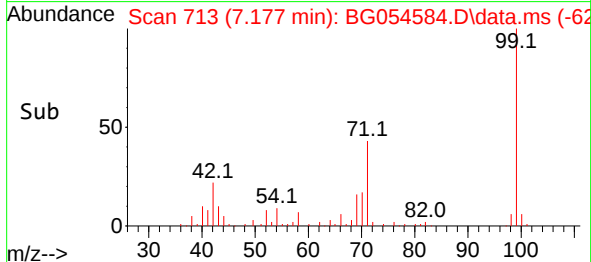
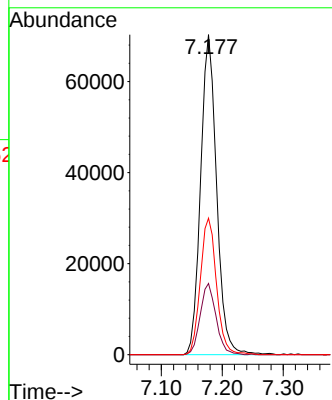
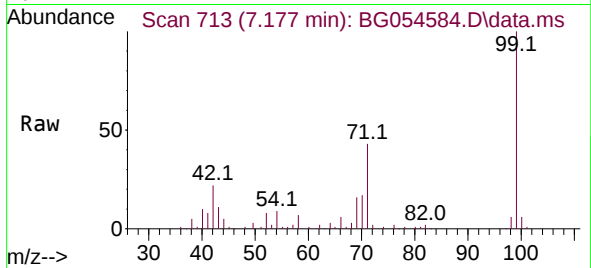




#7
Phenol-d6
Concen: 103.356 ng
RT: 7.177 min Scan# 71
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

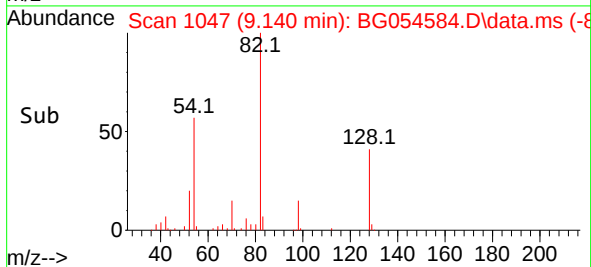
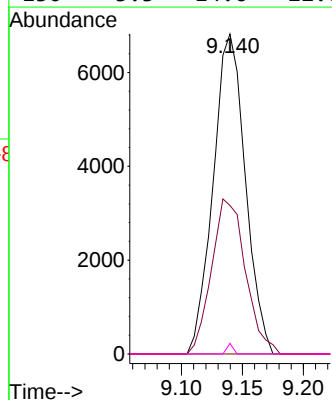
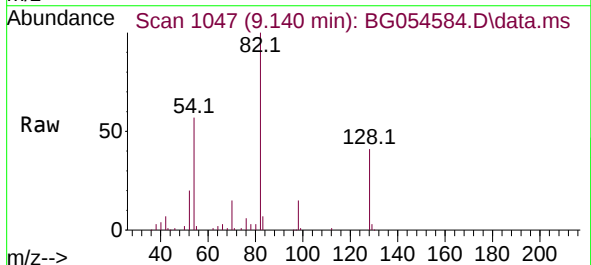
Instrument :
BNA_G
ClientSampleId :
RVE-190

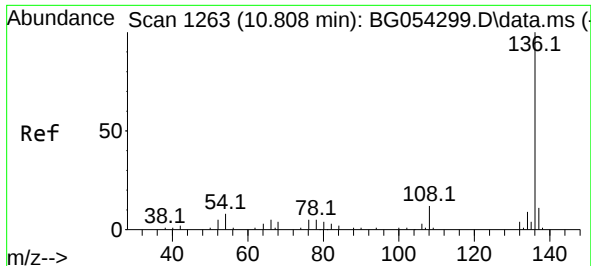
Tgt Ion: 99 Resp: 128079
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 42.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.118 ng
RT: 9.140 min Scan# 1047
Delta R.T. 0.357 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion: 70 Resp: 12510
Ion Ratio Lower Upper
70 100
42 46.4 47.3 70.9#
101 0.0 7.0 10.4#
130 3.3 14.6 22.0#

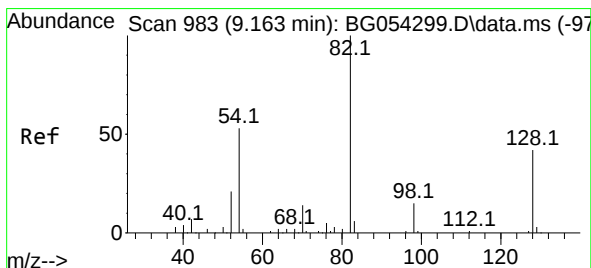
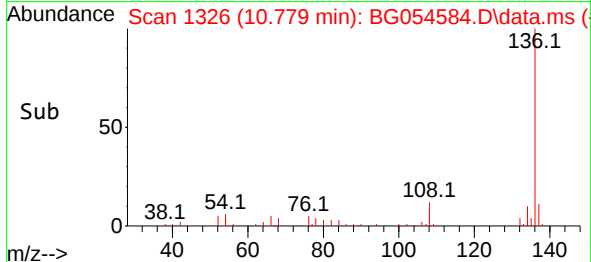
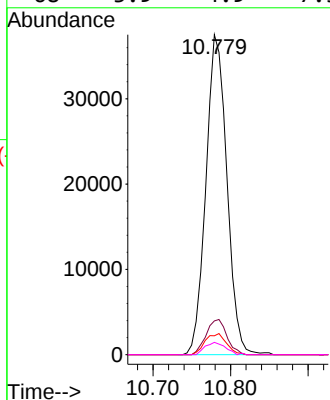
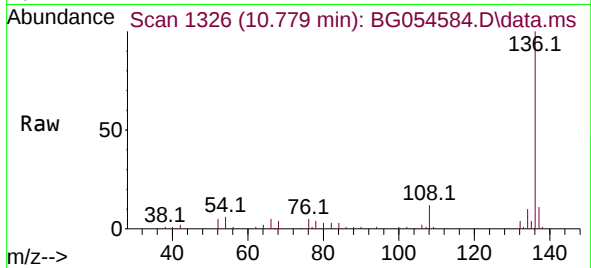




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.779 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

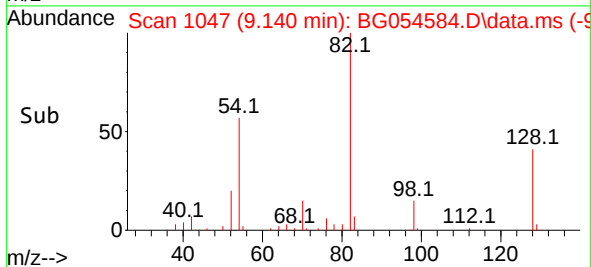
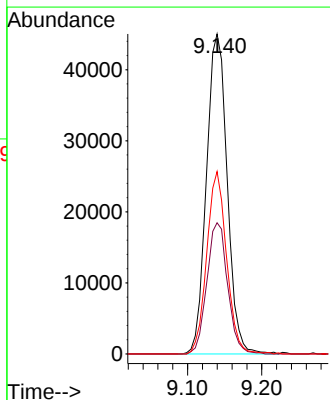
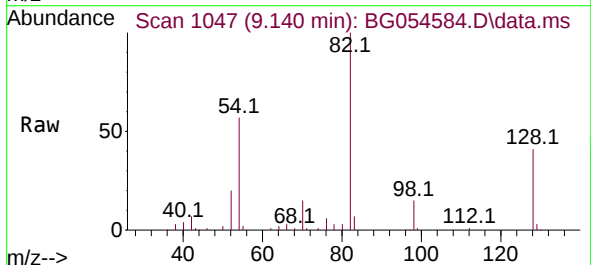
Instrument :
BNA_G
ClientSampleId :
RVE-190

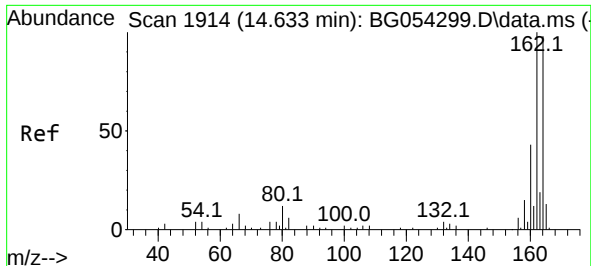
Tgt Ion:	136	Resp:	70587
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	5.9	7.4	11.2#
68	3.9	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 67.477 ng
RT: 9.140 min Scan# 1047
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:	82	Resp:	87464
Ion Ratio	Lower	Upper	
82	100		
128	41.0	27.9	41.9
54	57.0	41.2	61.8

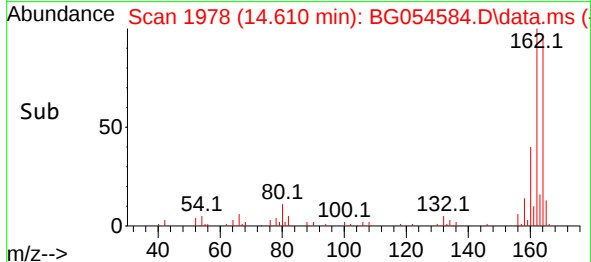
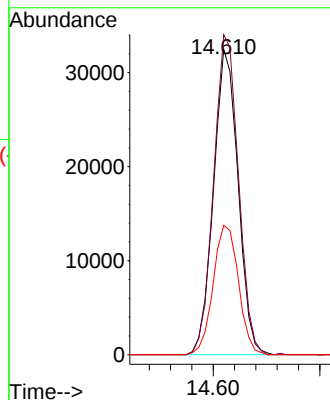
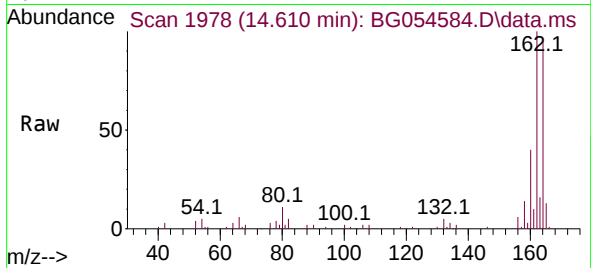




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1914
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

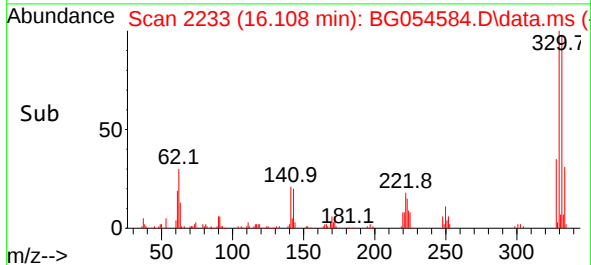
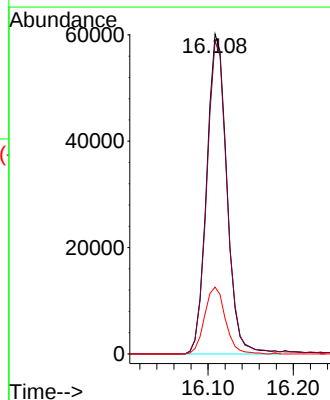
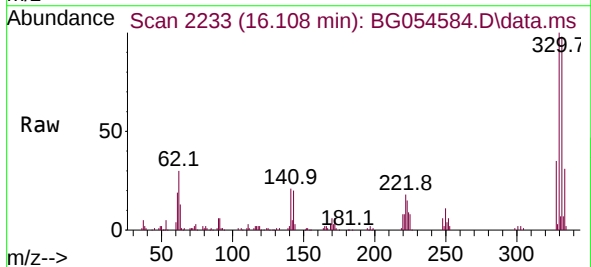
Instrument :
BNA_G
ClientSampleId :
RVE-190

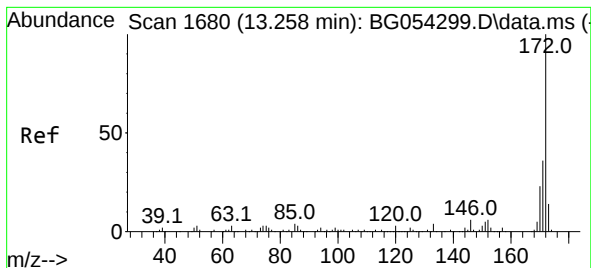
Tgt Ion:164 Resp: 51803
Ion Ratio Lower Upper
164 100
162 104.8 82.3 123.5
160 42.4 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 91.473 ng
RT: 16.108 min Scan# 2233
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:330 Resp: 99493
Ion Ratio Lower Upper
330 100
332 97.6 76.0 114.0
141 21.4 27.1 40.7#

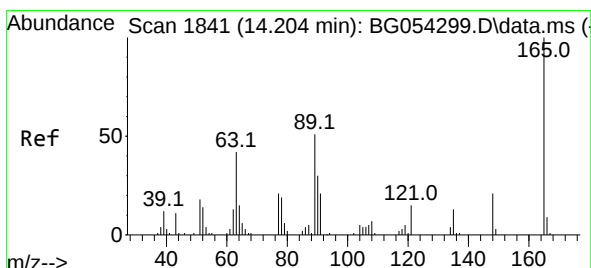
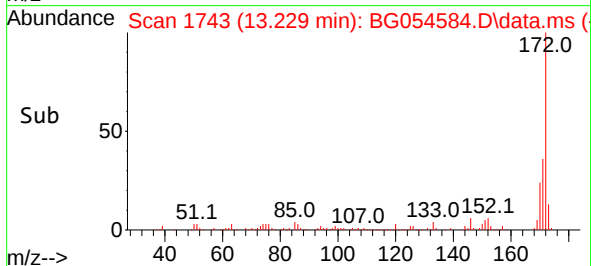
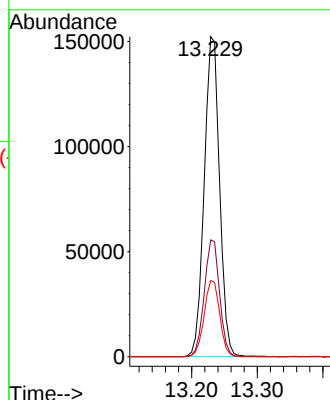
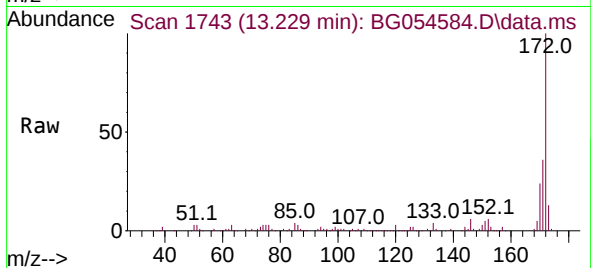




#45
2-Fluorobiphenyl
Concen: 67.594 ng
RT: 13.229 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

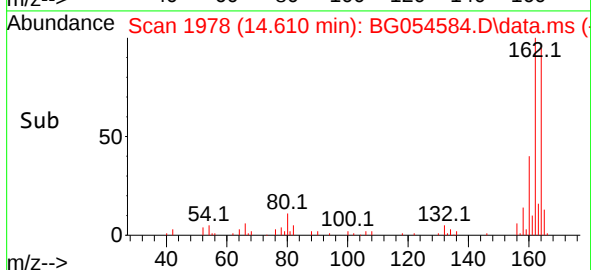
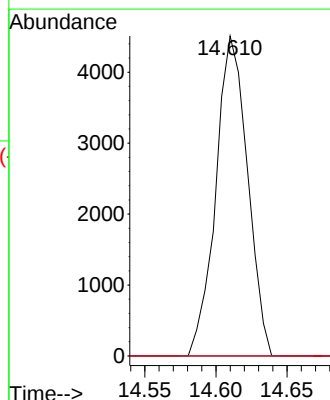
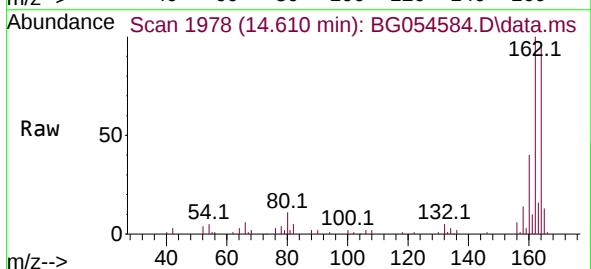
Instrument :
BNA_G
ClientSampleId :
RVE-190

Tgt Ion:172 Resp: 248216
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 23.8 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.882 ng
RT: 14.610 min Scan# 1978
Delta R.T. 0.415 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:165 Resp: 6995
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

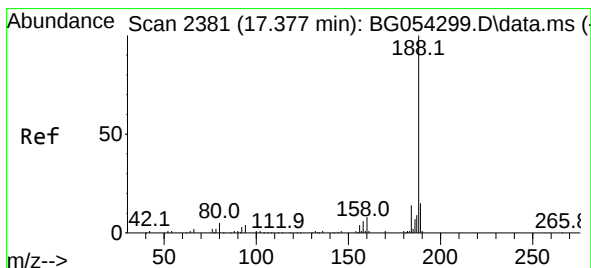
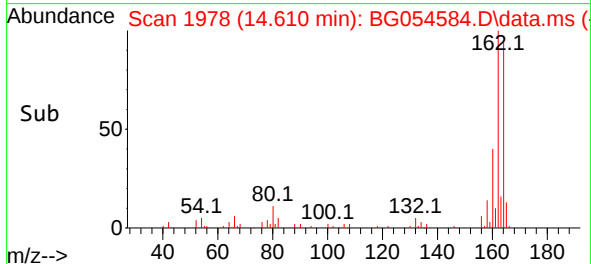
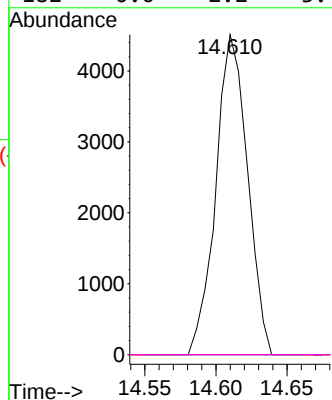
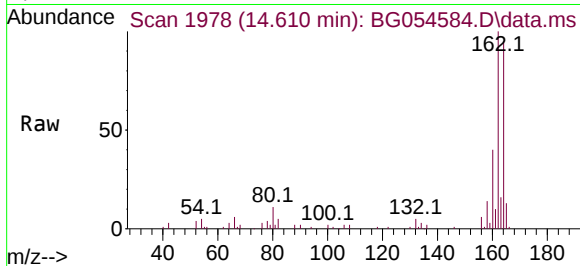




#57
2,4-Dinitrotoluene
Concen: 5.498 ng
RT: 14.610 min Scan# 14
Delta R.T. -0.384 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

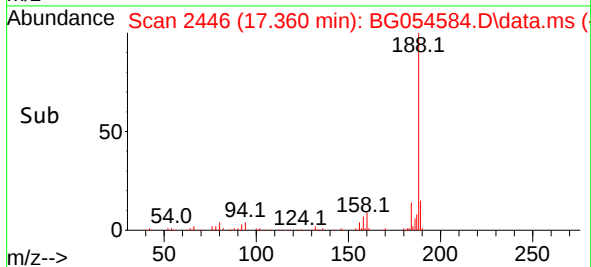
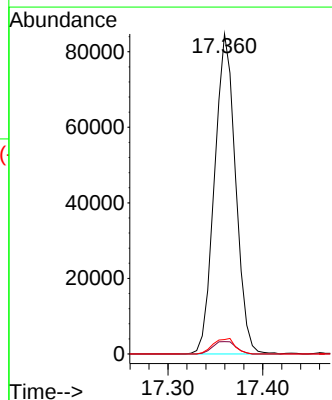
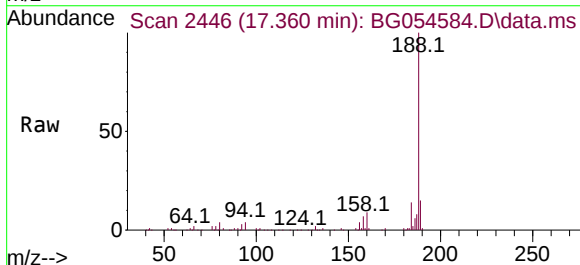
Instrument :
BNA_G
ClientSampleId :
RVE-190

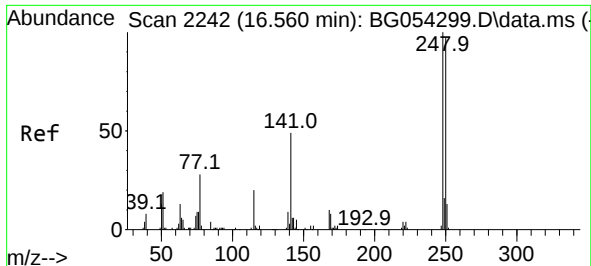
Tgt Ion:	165	Resp:	6995
Ion Ratio	Lower	Upper	
165	100		
63	0.0	34.6	52.0#
89	0.0	60.3	90.5#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:	188	Resp:	130761
Ion Ratio	Lower	Upper	
188	100		
94	3.8	5.4	8.0#
80	4.5	6.8	10.2#

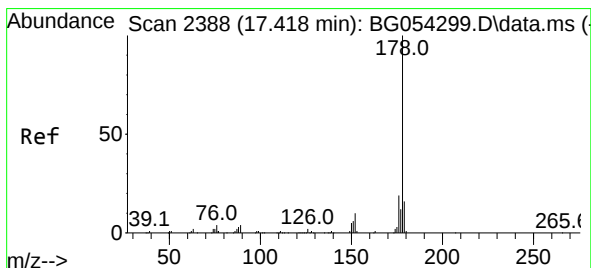
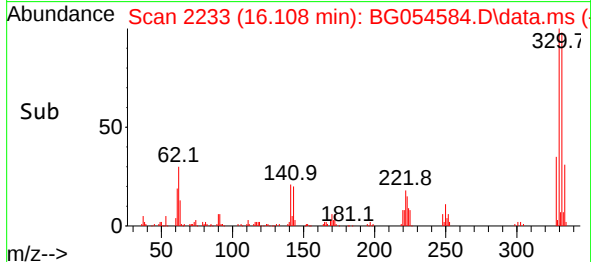
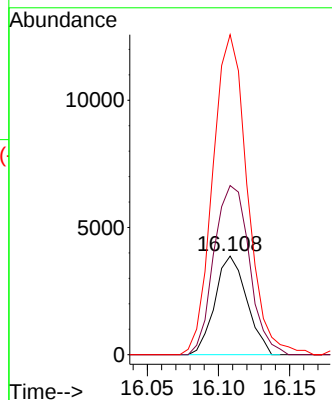
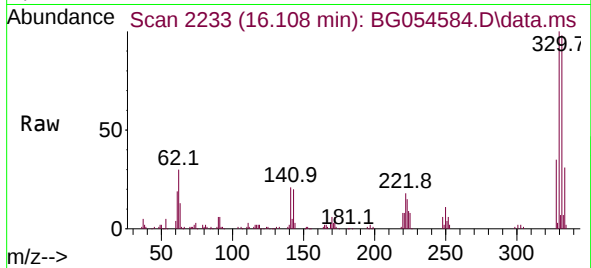




#67
4-Bromophenyl-phenylether
Concen: 3.291 ng
RT: 16.108 min Scan# 21
Delta R.T. -0.436 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

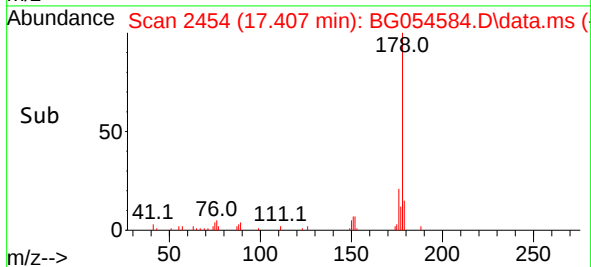
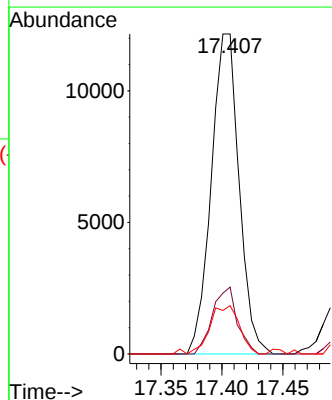
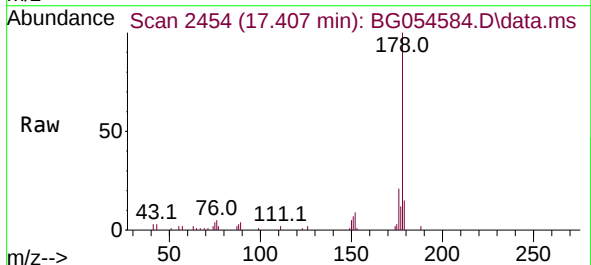
Instrument :
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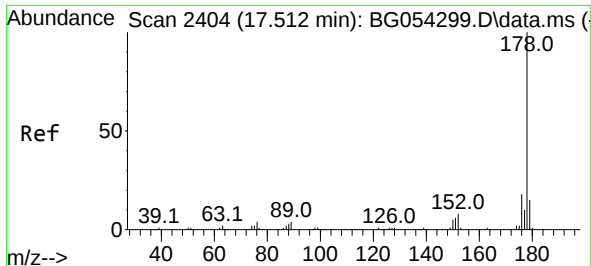
Tgt Ion:248 Resp: 6044
Ion Ratio Lower Upper
248 100
250 171.6 75.2 112.8#
141 324.6 50.0 75.0#



#71
Phenanthrene
Concen: 2.968 ng
RT: 17.407 min Scan# 2454
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:178 Resp: 19328
Ion Ratio Lower Upper
178 100
176 20.9 14.1 21.1
179 15.1 12.1 18.1

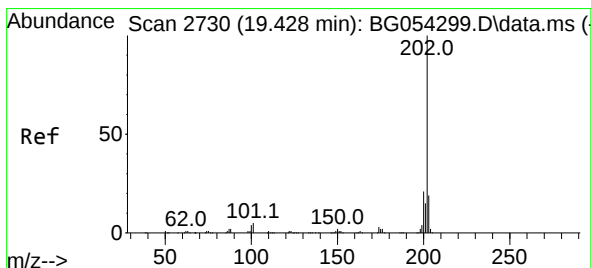
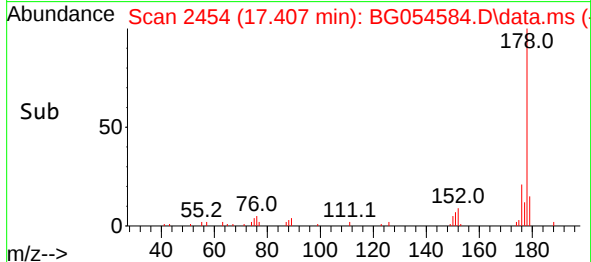
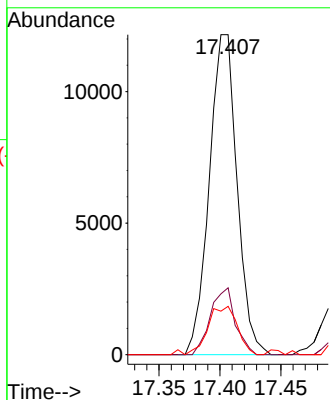
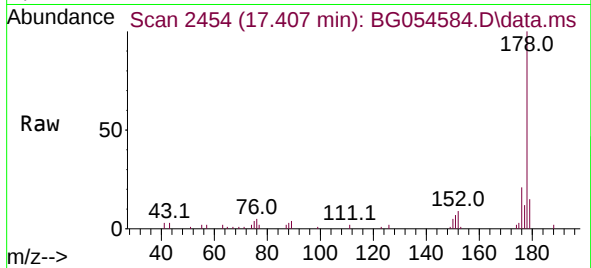




#72
 Anthracene
 Concen: 3.025 ng
 RT: 17.407 min Scan# 2404
 Delta R.T. -0.090 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

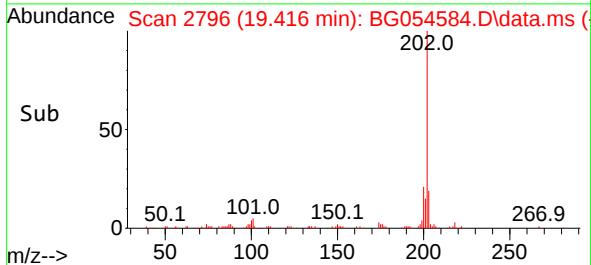
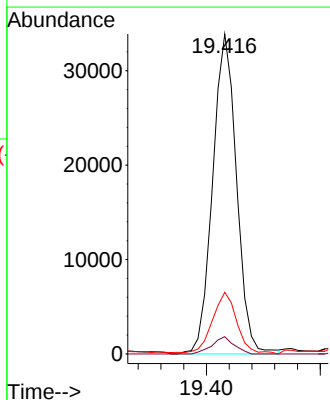
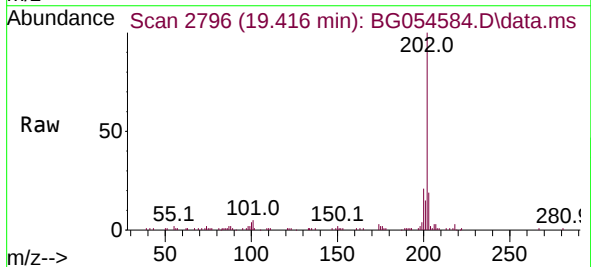
Instrument :
 BNA_G
 ClientSampleId :
 RVE-190

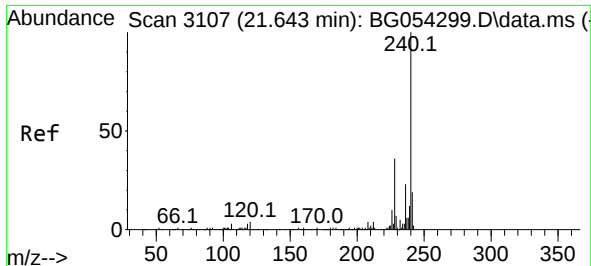
Tgt Ion:178 Resp: 19328
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.2 22.8
 179 15.1 13.0 19.4



#75
 Fluoranthene
 Concen: 5.573 ng
 RT: 19.416 min Scan# 2796
 Delta R.T. -0.002 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

Tgt Ion:202 Resp: 49470
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 26.9
 203 19.2 0.0 37.2

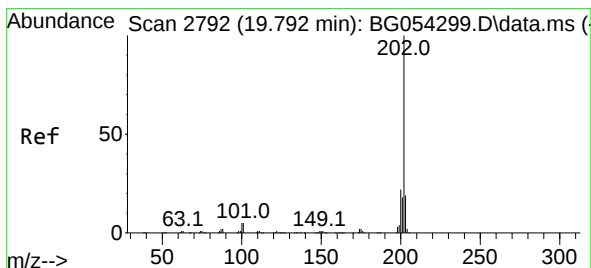
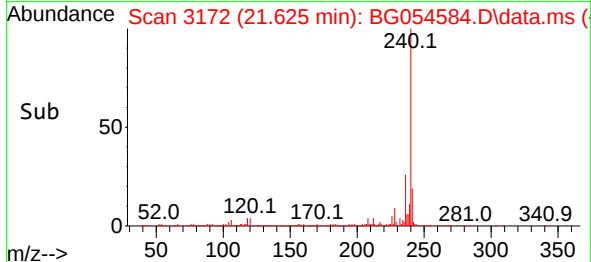
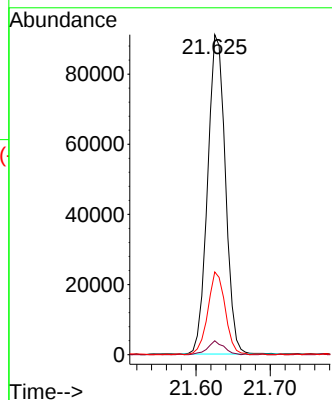
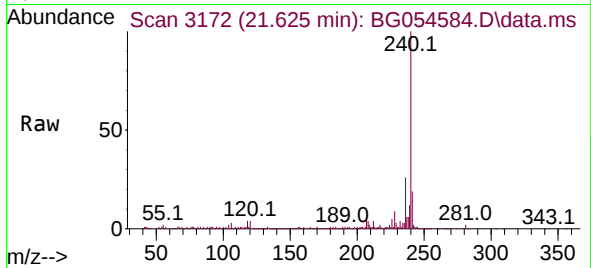




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

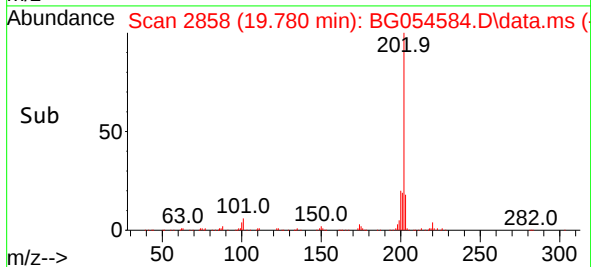
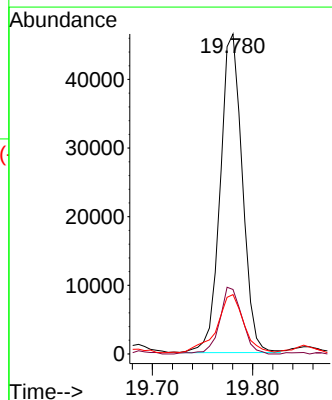
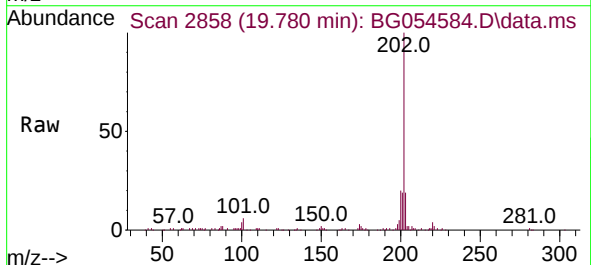
Instrument :
BNA_G
ClientSampleId :
RVE-190

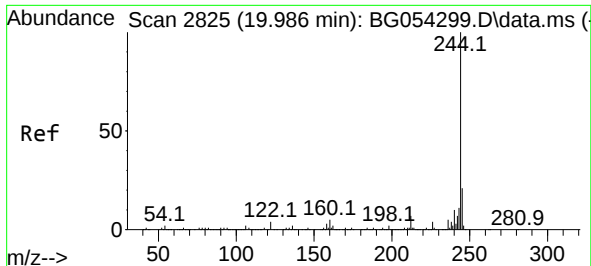
Tgt Ion:240 Resp: 151492
Ion Ratio Lower Upper
240 100
120 4.4 4.6 7.0#
236 25.8 20.2 30.4



#78
Pyrene
Concen: 8.163 ng
RT: 19.780 min Scan# 2858
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

Tgt Ion:202 Resp: 70957
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 18.6 14.6 21.8

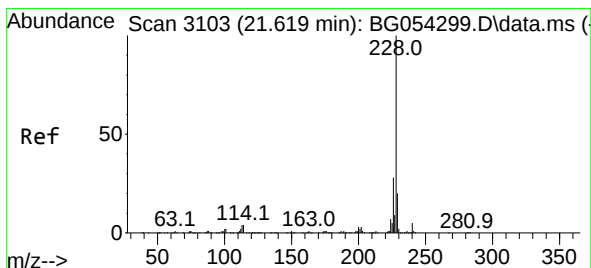
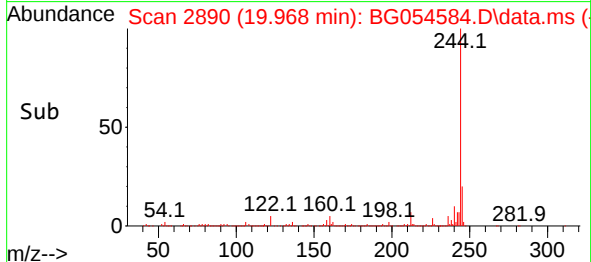
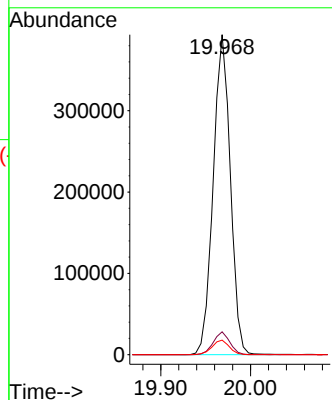
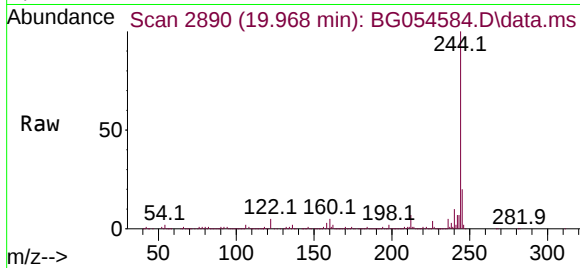




#79
 Terphenyl-d14
 Concen: 68.258 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

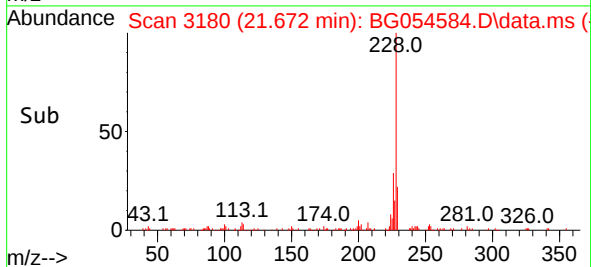
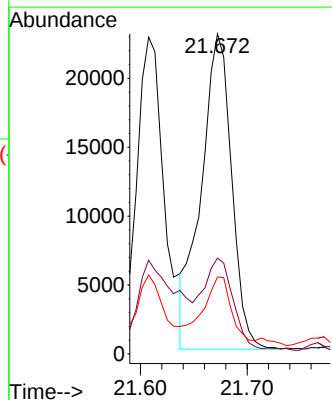
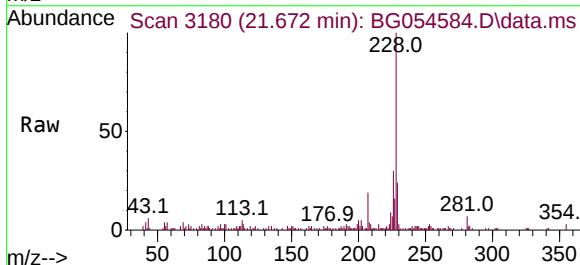
Instrument :
 BNA_G
 ClientSampleId :
 RVE-190

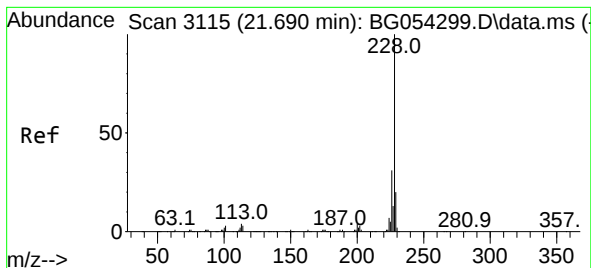
Tgt Ion:244 Resp: 521250
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.5 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 4.752 ng
 RT: 21.672 min Scan# 3180
 Delta R.T. 0.057 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

Tgt Ion:228 Resp: 45702
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.6 32.4
 229 24.1 16.2 24.2





#83

Chrysene

Concen: 5.030 ng

RT: 21.672 min Scan# 3115

Delta R.T. -0.008 min

Lab File: BG054584.D

Acq: 10 Aug 2022 11:59

Instrument :

BNA_G

ClientSampleId :

RVE-190

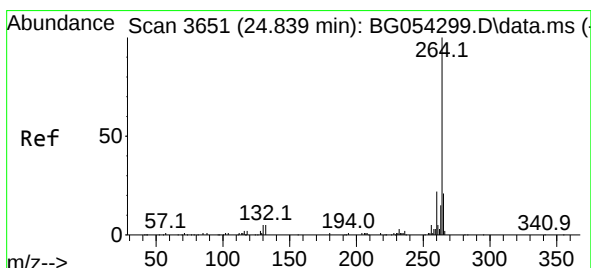
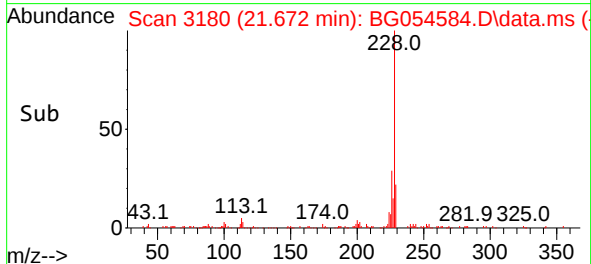
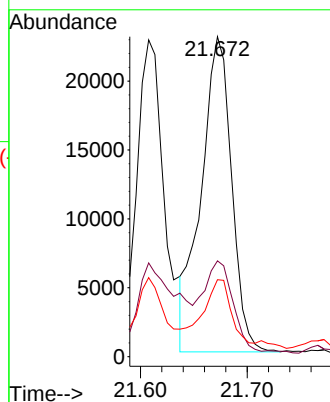
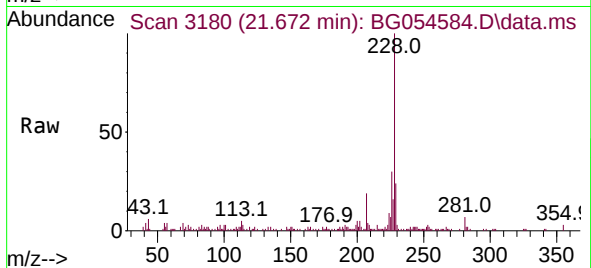
Tgt Ion:228 Resp: 45702

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 24.1 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.833 min Scan# 3718

Delta R.T. -0.002 min

Lab File: BG054584.D

Acq: 10 Aug 2022 11:59

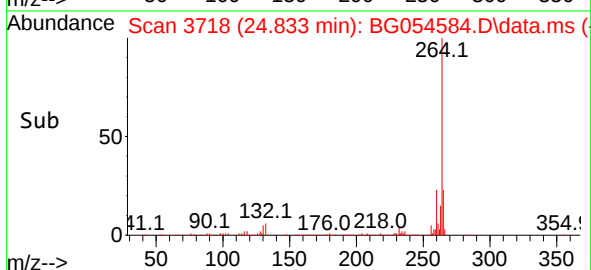
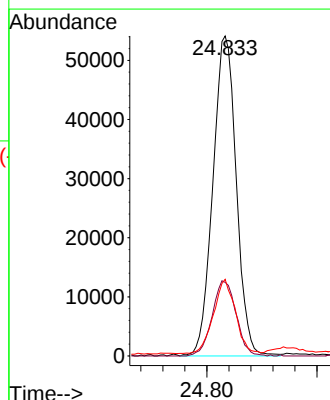
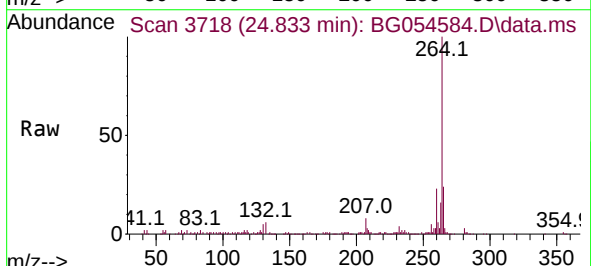
Tgt Ion:264 Resp: 159698

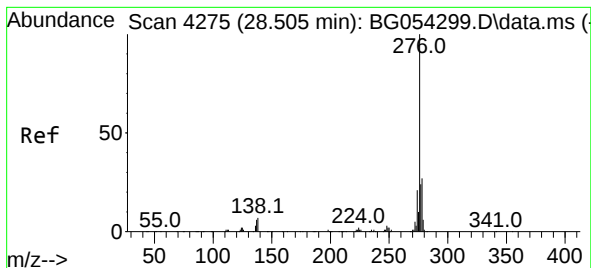
Ion Ratio Lower Upper

264 100

260 23.0 19.0 28.6

265 24.0 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.009 ng

RT: 28.517 min Scan# 41

Delta R.T. -0.013 min

Lab File: BG054584.D

Acq: 10 Aug 2022 11:59

Instrument :

BNA_G

ClientSampleId :

RVE-190

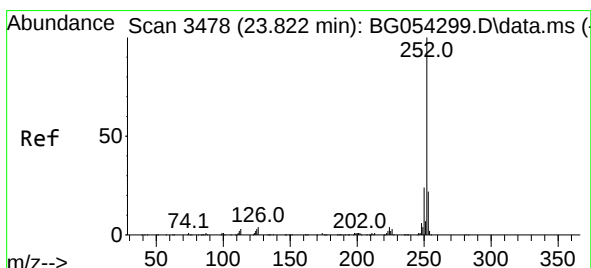
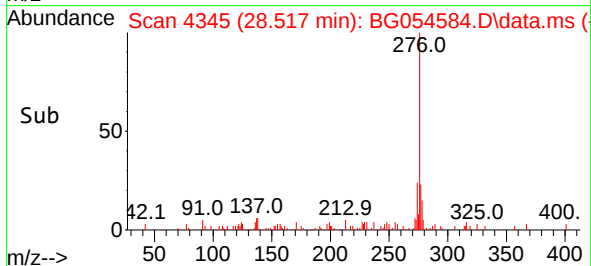
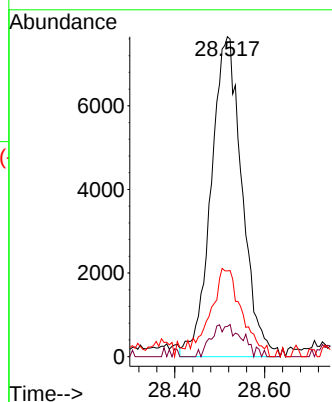
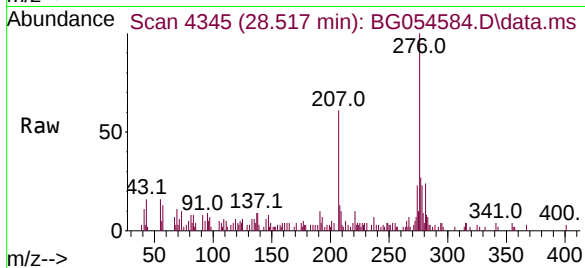
Tgt Ion:276 Resp: 36559

Ion Ratio Lower Upper

276 100

138 4.0 5.0 7.4#

277 28.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.702 ng

RT: 23.823 min Scan# 3546

Delta R.T. 0.004 min

Lab File: BG054584.D

Acq: 10 Aug 2022 11:59

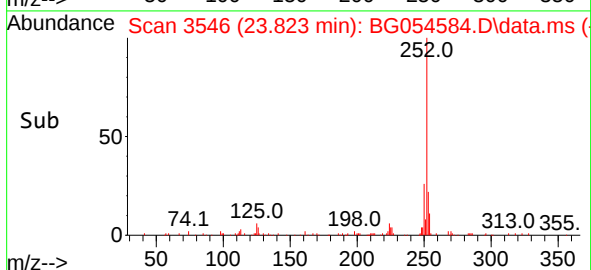
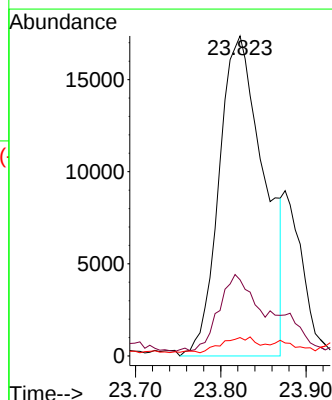
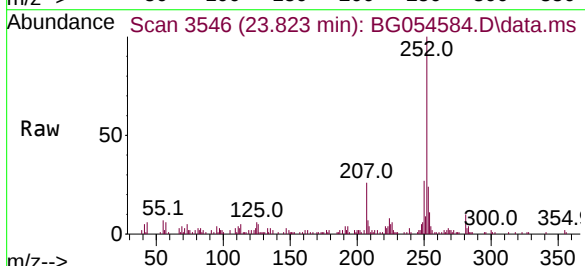
Tgt Ion:252 Resp: 63294

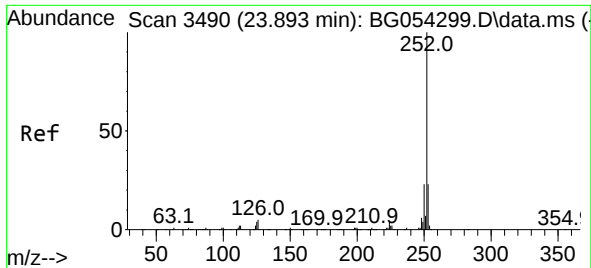
Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 5.8 4.6 6.8

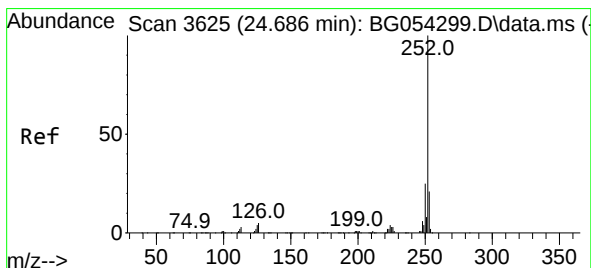
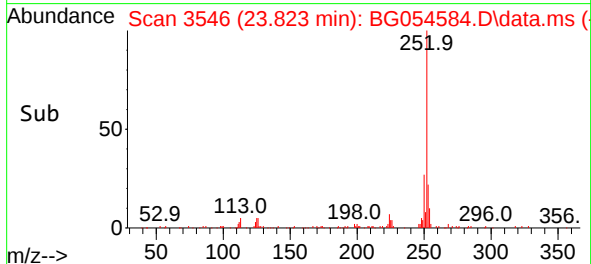
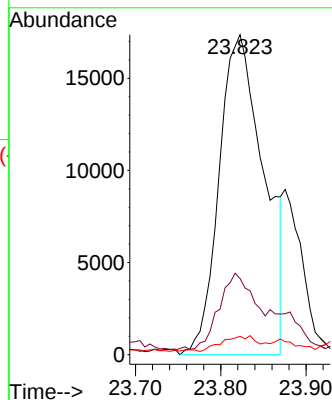
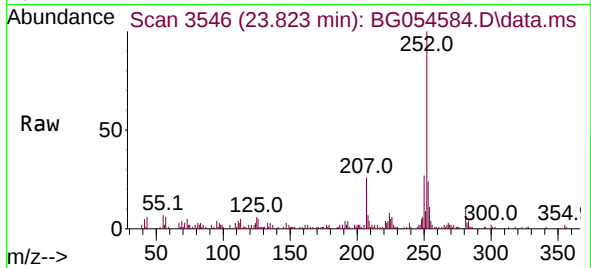




#89
Benzo(k)fluoranthene
Concen: 6.734 ng
RT: 23.823 min Scan# 31
Delta R.T. -0.060 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

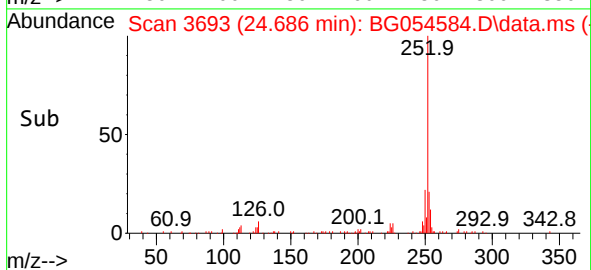
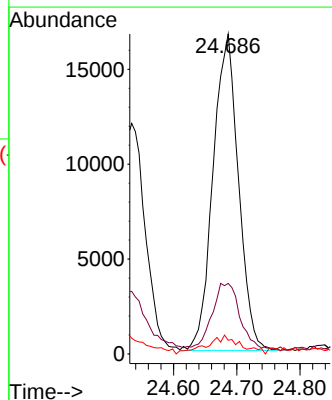
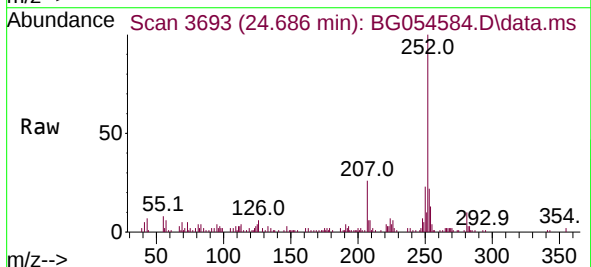
Instrument :
BNA_G
ClientSampleId :
RVE-190

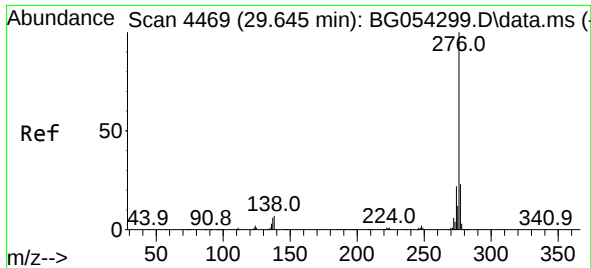
Tgt Ion:252 Resp: 63294
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 5.8 4.8 7.2



#90
Benzo(a)pyrene
Concen: 5.771 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.002 min
Lab File: BG054584.D
Acq: 10 Aug 2022 11:59

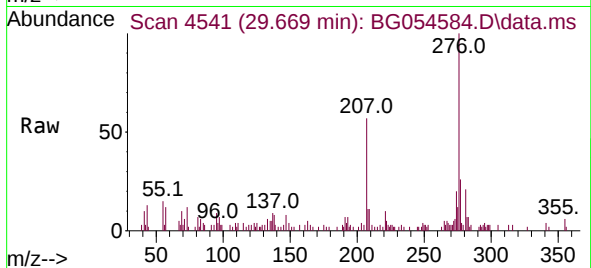
Tgt Ion:252 Resp: 46544
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 4.3 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.029 ng
 RT: 29.669 min Scan# 4
 Delta R.T. -0.008 min
 Lab File: BG054584.D
 Acq: 10 Aug 2022 11:59

Instrument :
 BNA_G
 ClientSampleId :
 RVE-190



Tgt Ion:276 Resp: 39720
 Ion Ratio Lower Upper
 276 100
 277 26.0 17.3 25.9#
 138 7.9 9.6 14.4#

