

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080522\
 Data File : BG054537.D
 Acq On : 5 Aug 2022 16:10
 Operator : CG/JU
 Sample : N3960-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-153

Quant Time: Aug 06 05:39:52 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)

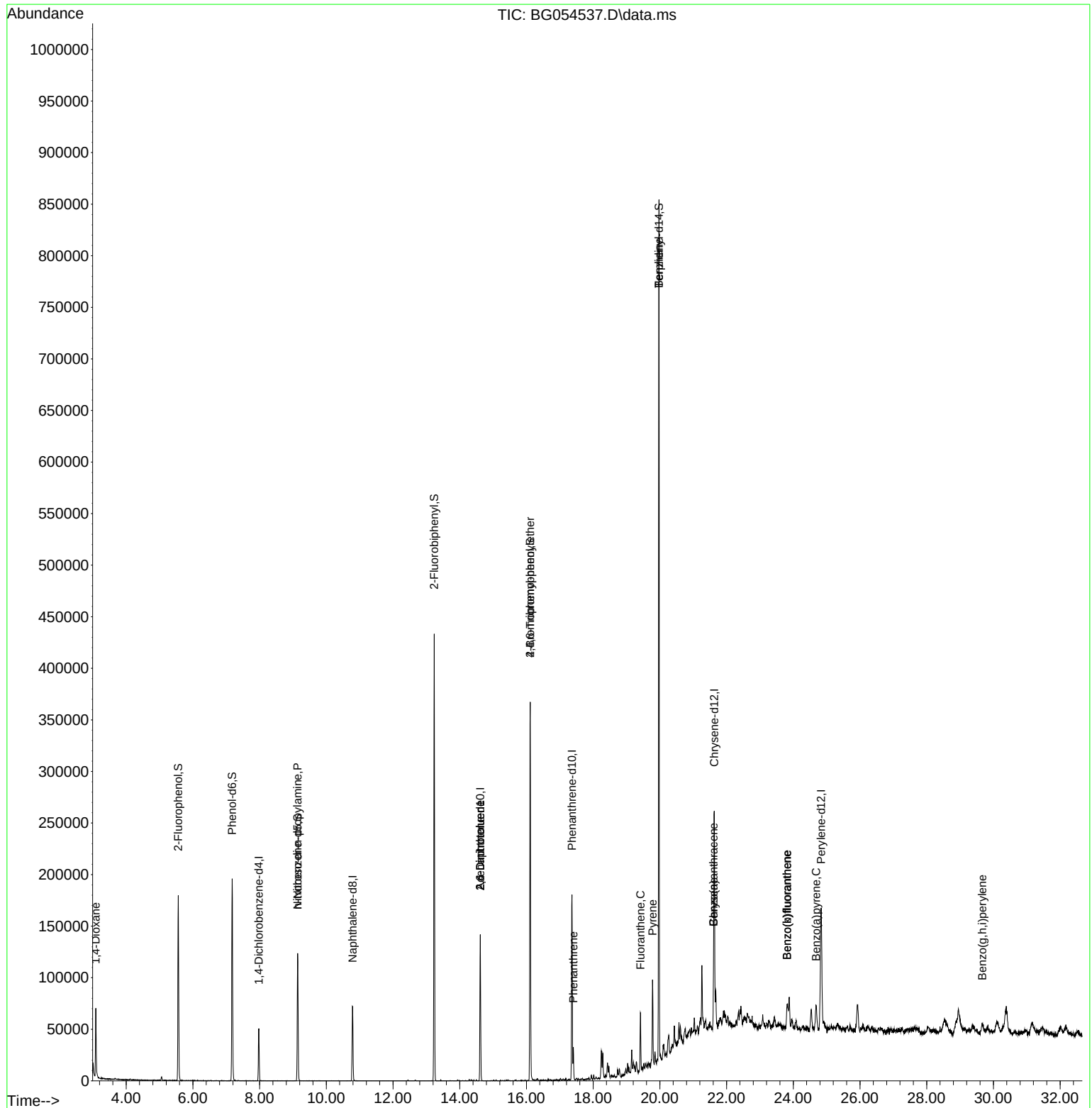
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	16273	20.000	ng	-0.01
21) Naphthalene-d8	10.790	136	70181	20.000	ng	# 0.00
39) Acenaphthene-d10	14.615	164	54017	20.000	ng	0.00
64) Phenanthrene-d10	17.365	188	132241	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	141589	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	151137	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.561	112	80682	103.518	ng	0.00
7) Phenol-d6	7.176	99	114824	107.516	ng	0.00
23) Nitrobenzene-d5	9.139	82	76767	59.567	ng	-0.01
42) 2,4,6-Tribromophenol	16.113	330	99020	87.307	ng	0.00
45) 2-Fluorobiphenyl	13.234	172	243018	63.466	ng	-0.01
79) Terphenyl-d14	19.973	244	468193	65.598	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.087	88	674	2.174	ng	# 1
9) Benzaldehyde	7.171	77	56	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.139	70	11015	15.445	ng	# 78
51) 2,6-Dinitrotoluene	14.615	165	7856	8.489	ng	# 16
57) 2,4-Dinitrotoluene	14.615	165	7856	5.921	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	5922	3.189	ng	# 1
71) Phenanthrene	17.406	178	23000	3.493	ng	97
75) Fluoranthene	19.421	202	38789	4.321	ng	96
77) Benzidine	19.973	184	5996	2.338	ng	# 87
78) Pyrene	19.779	202	58214	7.165	ng	99
81) Benzo(a)anthracene	21.607	228	27293	3.037	ng	96
83) Chrysene	21.607	228	27293	3.214	ng	96
88) Benzo(b)fluoranthene	23.816	252	35235	3.942	ng	99
89) Benzo(k)fluoranthene	23.816	252	35235	3.961	ng	100
90) Benzo(a)pyrene	24.685	252	27595	3.615	ng	95
92) Benzo(g,h,i)perylene	29.668	276	22547	2.416	ng	# 92

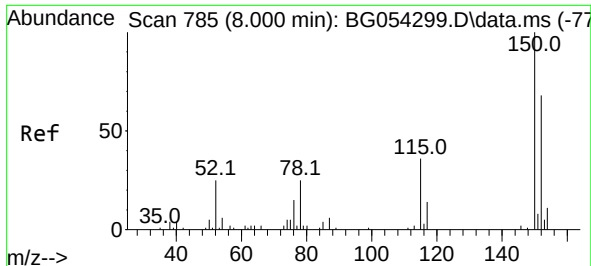
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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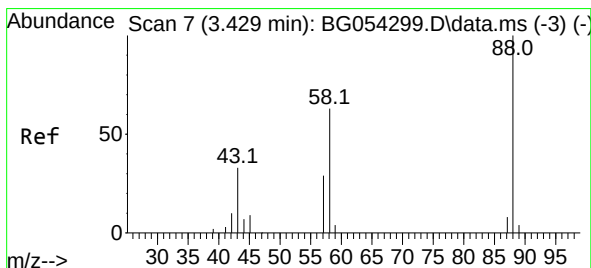
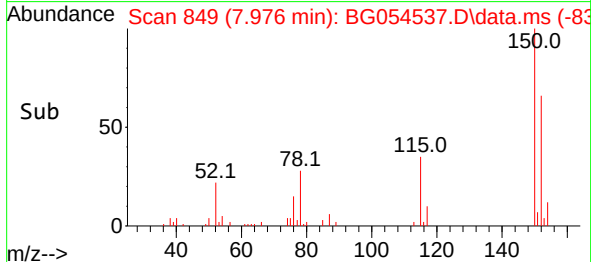
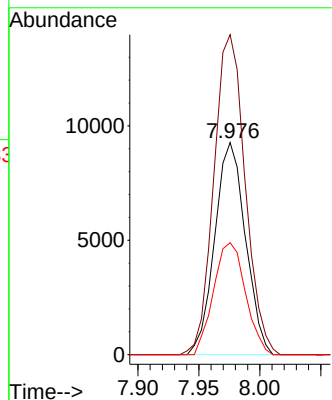
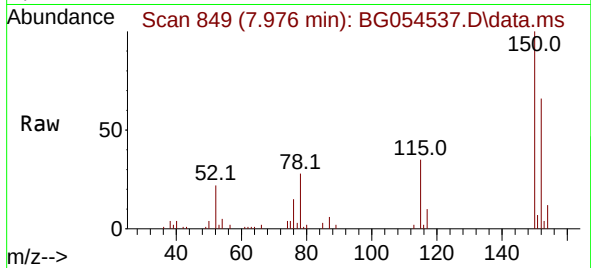




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.976 min Scan# 84
 Delta R.T. -0.012 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

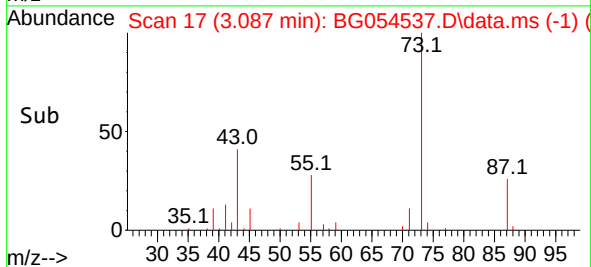
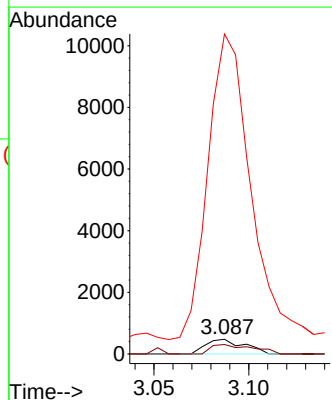
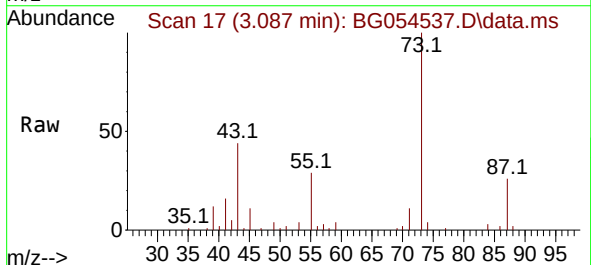
Instrument :
 BNA_G
 ClientSampleId :
 RVE-153

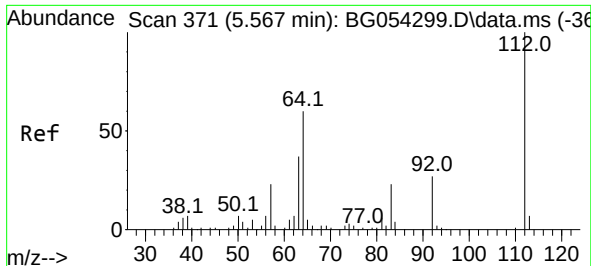
Tgt Ion:152 Resp: 16273
 Ion Ratio Lower Upper
 152 100
 150 150.8 131.6 197.4
 115 52.7 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.174 ng
 RT: 3.087 min Scan# 17
 Delta R.T. -0.330 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

Tgt Ion: 88 Resp: 674
 Ion Ratio Lower Upper
 88 100
 58 69.9 59.2 88.8
 43 2412.2 24.3 36.5#

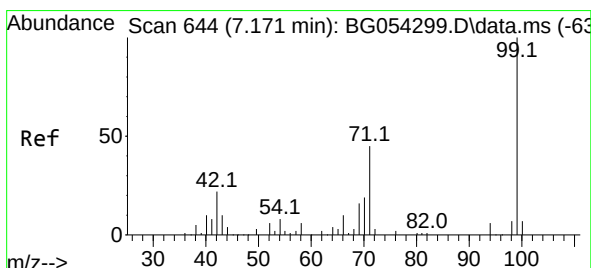
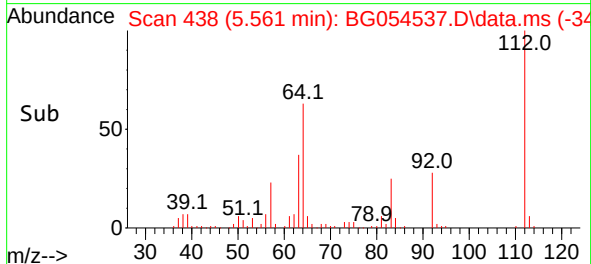
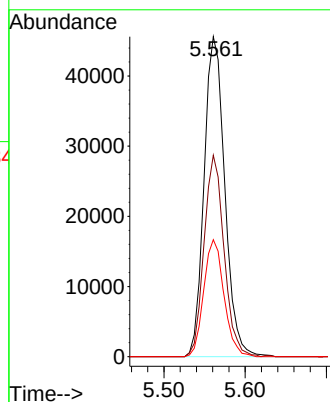
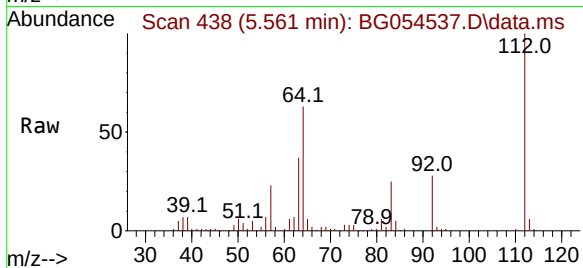




#5
2-Fluorophenol
Concen: 103.518 ng
RT: 5.561 min Scan# 41
Delta R.T. -0.001 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

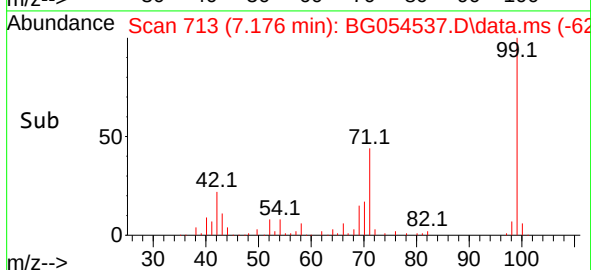
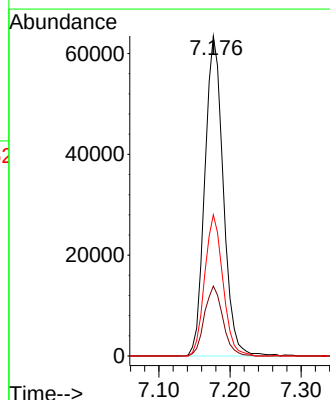
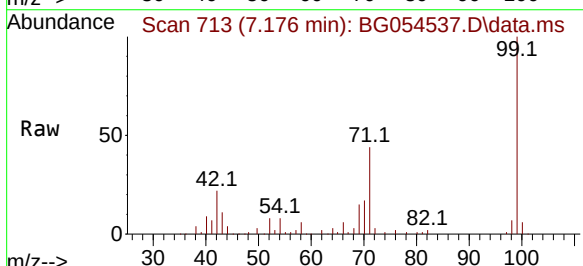
Instrument :
BNA_G
ClientSampleId :
RVE-153

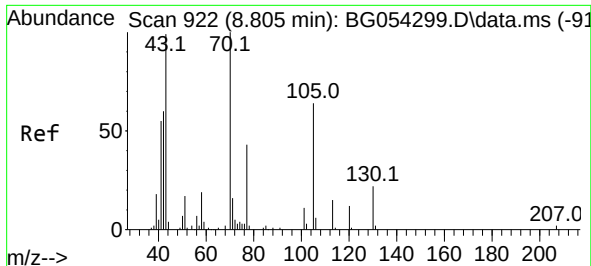
Tgt Ion:112 Resp: 80682
Ion Ratio Lower Upper
112 100
64 63.0 55.1 82.7
63 36.6 30.4 45.6



#7
Phenol-d6
Concen: 107.516 ng
RT: 7.176 min Scan# 713
Delta R.T. 0.005 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion: 99 Resp: 114824
Ion Ratio Lower Upper
99 100
42 21.9 17.0 25.6
71 44.1 33.8 50.8

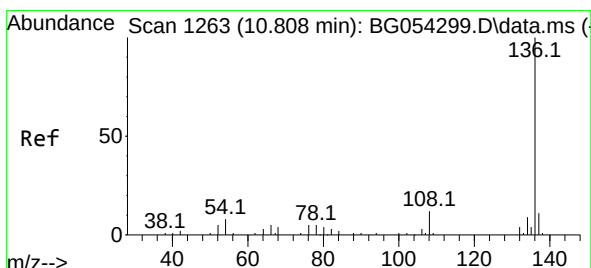
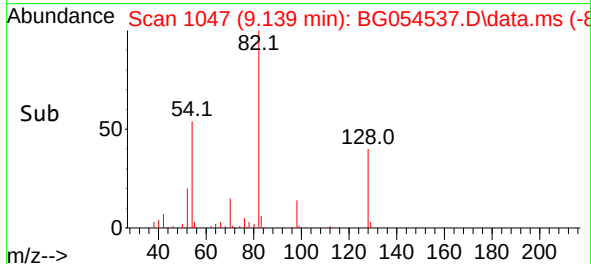
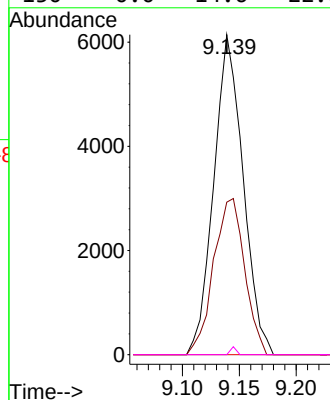
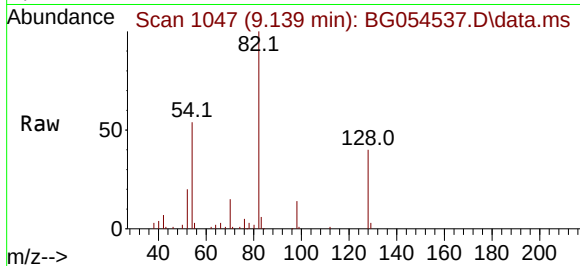




#19
n-Nitroso-di-n-propylamine
Concen: 15.445 ng
RT: 9.139 min Scan# 11015
Delta R.T. 0.346 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

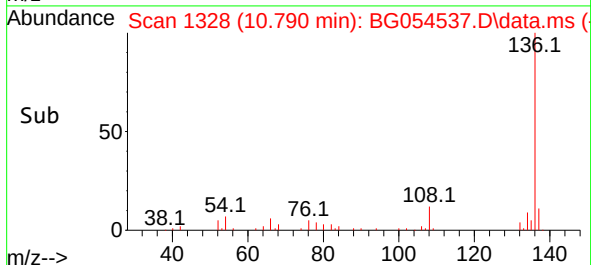
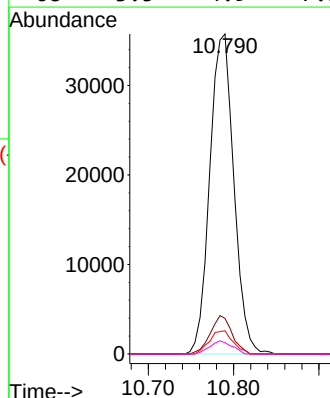
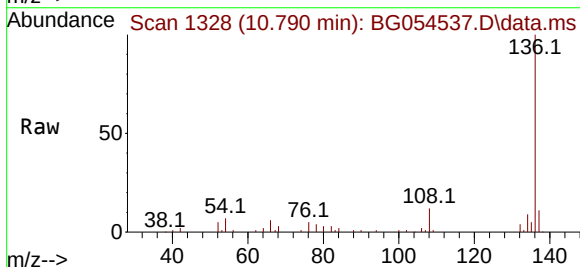
Instrument :
BNA_G
ClientSampleId :
RVE-153

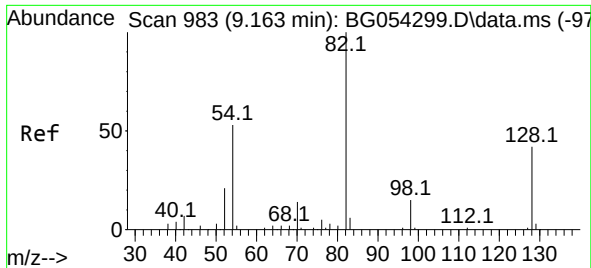
Tgt Ion:	70	Resp:	11015
Ion	Ratio	Lower	Upper
70	100		
42	47.7	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.007 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion:	136	Resp:	70181
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	7.3	7.4	11.2#
68	3.5	4.9	7.3#

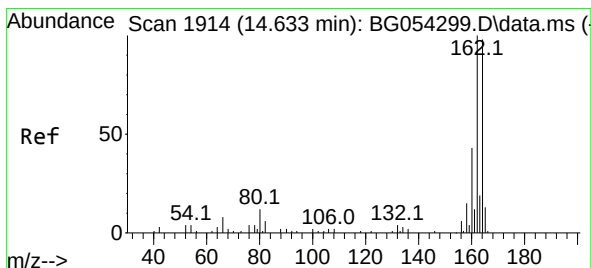
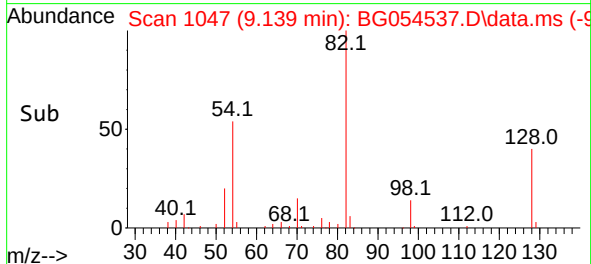
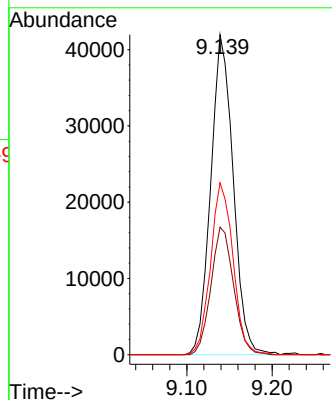
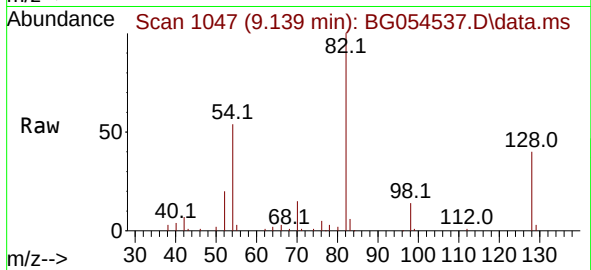




#23
Nitrobenzene-d5
Concen: 59.567 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.013 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

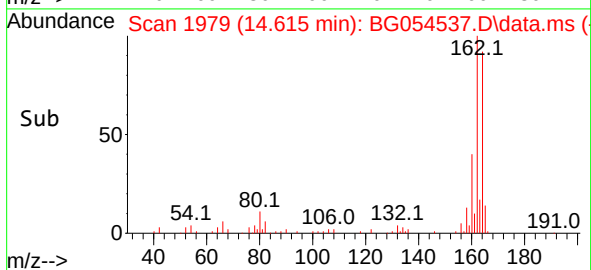
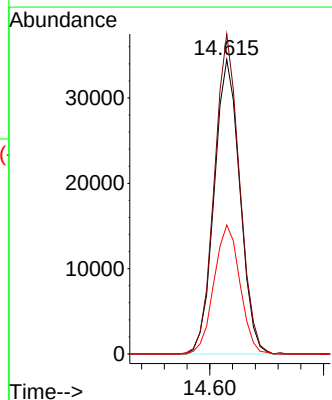
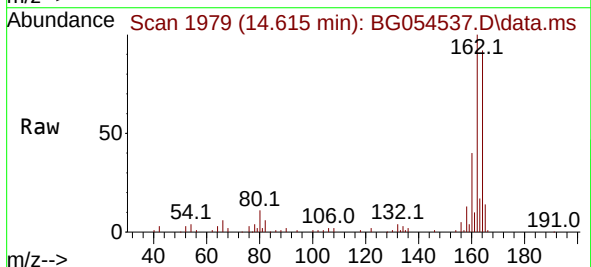
Instrument :
BNA_G
ClientSampleId :
RVE-153

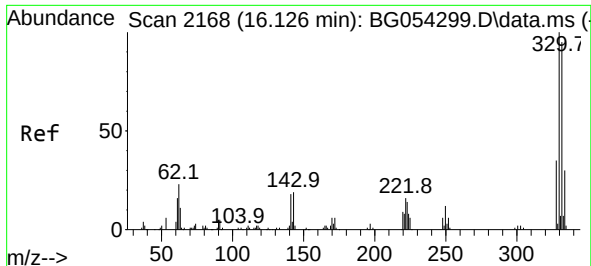
Tgt Ion: 82 Resp: 76767
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 53.7 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.615 min Scan# 1979
Delta R.T. -0.007 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion:164 Resp: 54017
Ion Ratio Lower Upper
164 100
162 108.7 82.3 123.5
160 43.8 34.2 51.2

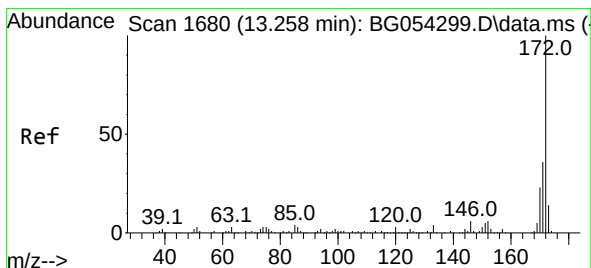
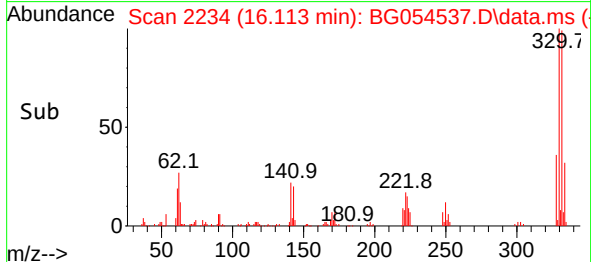
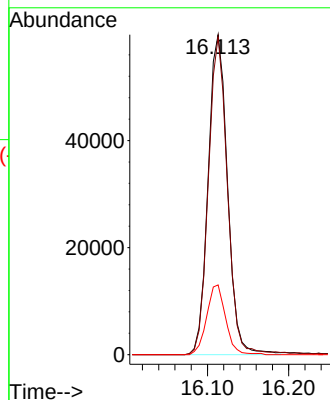
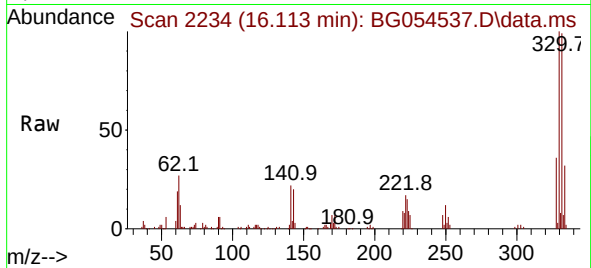




#42
2,4,6-Tribromophenol
Concen: 87.307 ng
RT: 16.113 min Scan# 2168
Delta R.T. -0.001 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

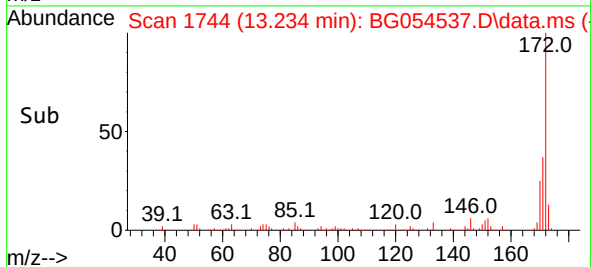
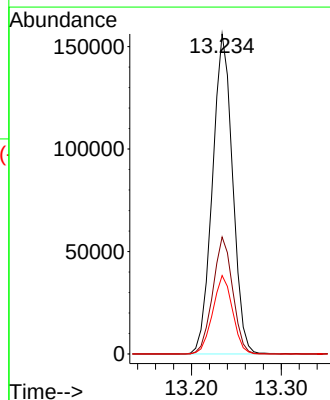
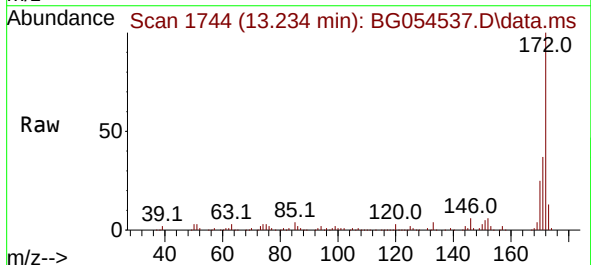
Instrument :
BNA_G
ClientSampleId :
RVE-153

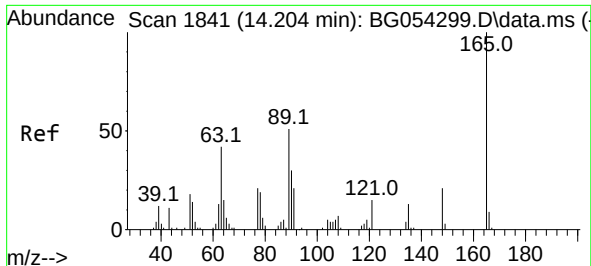
Tgt Ion:330 Resp: 99020
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 21.3 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 63.466 ng
RT: 13.234 min Scan# 1744
Delta R.T. -0.013 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion:172 Resp: 243018
Ion Ratio Lower Upper
172 100
171 36.6 28.5 42.7
170 24.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.489 ng

RT: 14.615 min Scan# 1979

Delta R.T. 0.416 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

Instrument :

BNA_G

ClientSampleId :

RVE-153

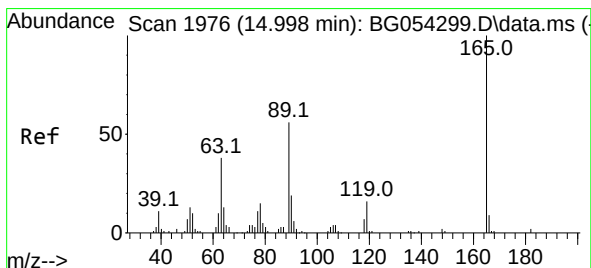
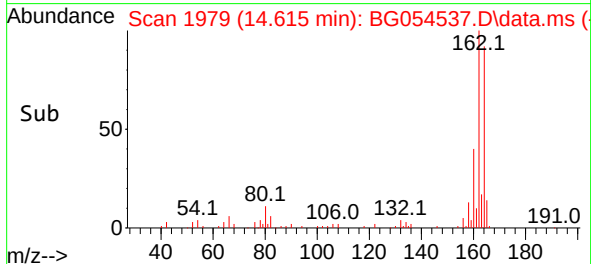
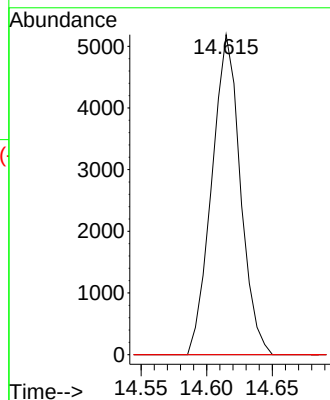
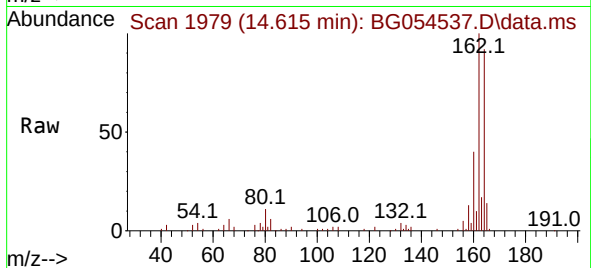
Tgt Ion:165 Resp: 7856

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: 5.921 ng

RT: 14.615 min Scan# 1979

Delta R.T. -0.377 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

Tgt Ion:165 Resp: 7856

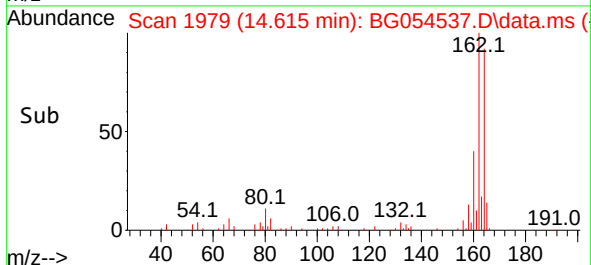
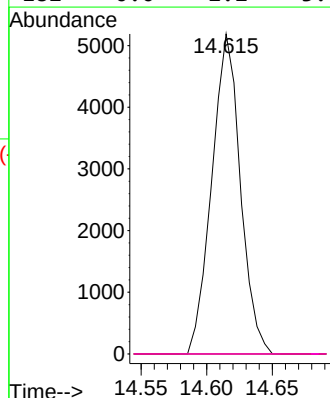
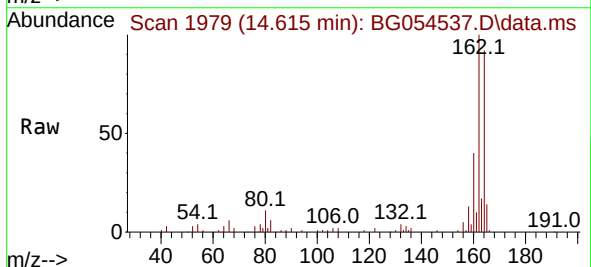
Ion Ratio Lower Upper

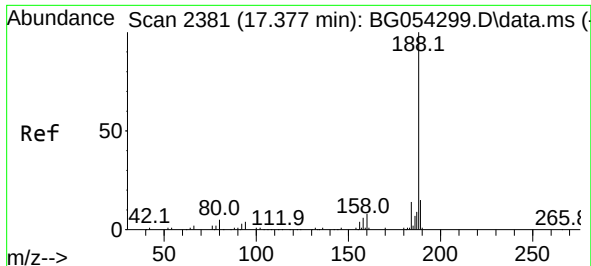
165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#

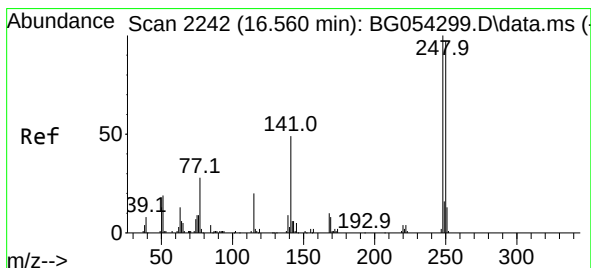
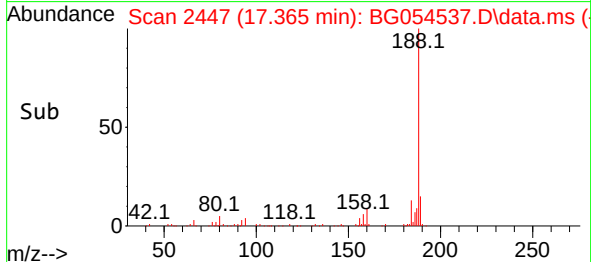
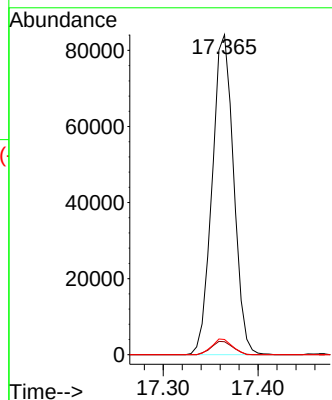
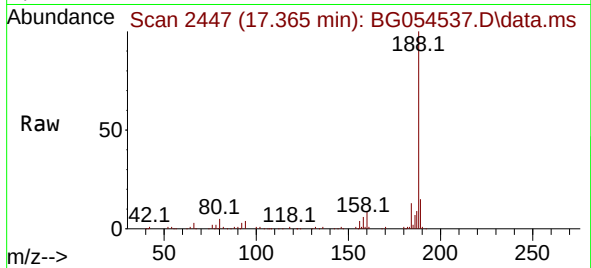




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.365 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

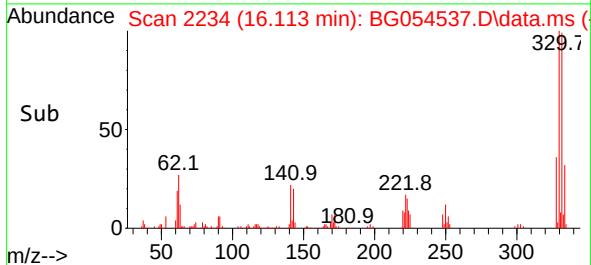
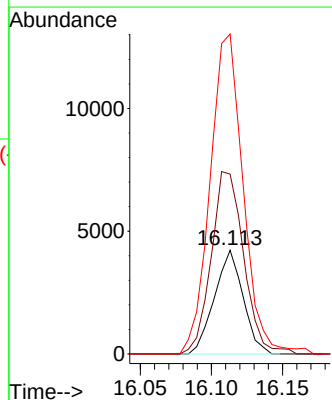
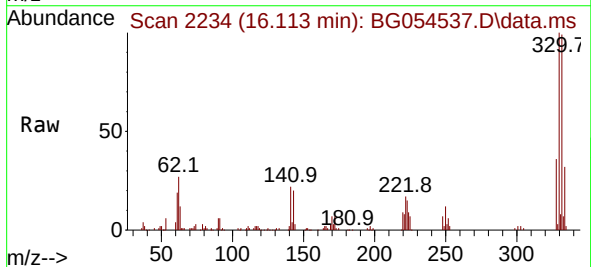
Instrument :
BNA_G
ClientSampleId :
RVE-153

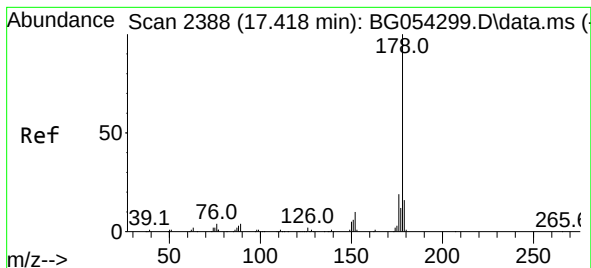
Tgt Ion:188 Resp: 132241
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.8 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.189 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.442 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion:248 Resp: 5922
Ion Ratio Lower Upper
248 100
250 173.5 75.2 112.8#
141 308.6 50.0 75.0#





#71

Phenanthrene

Concen: 3.493 ng

RT: 17.406 min Scan# 2454

Delta R.T. -0.007 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

Instrument :

BNA_G

ClientSampleId :

RVE-153

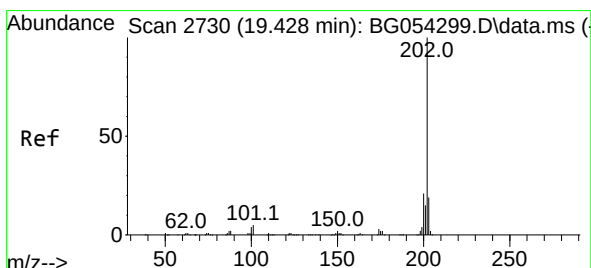
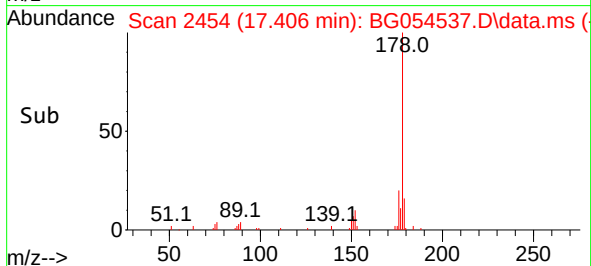
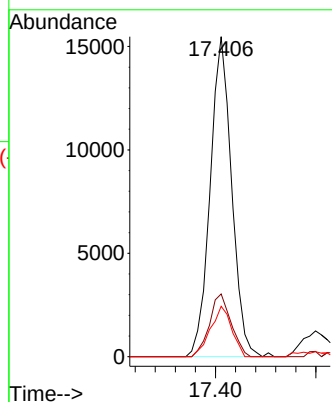
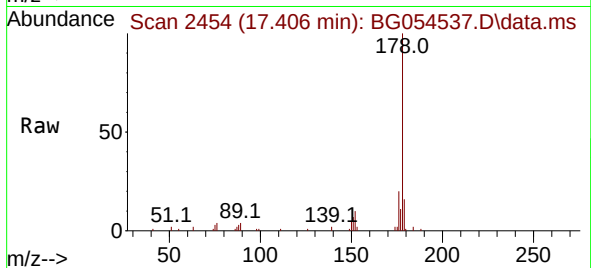
Tgt Ion:178 Resp: 23000

Ion Ratio Lower Upper

178 100

176 19.6 14.1 21.1

179 15.7 12.1 18.1



#75

Fluoranthene

Concen: 4.321 ng

RT: 19.421 min Scan# 2797

Delta R.T. -0.001 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

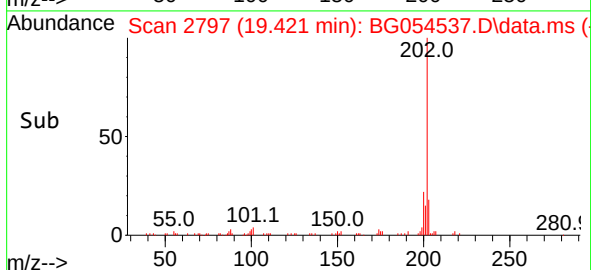
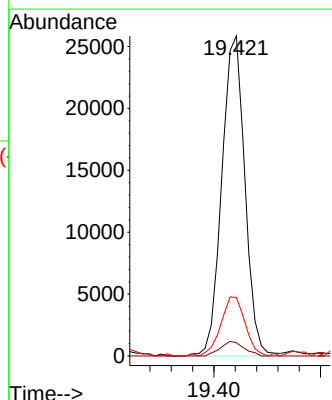
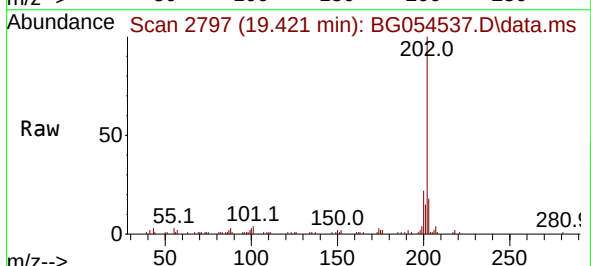
Tgt Ion:202 Resp: 38789

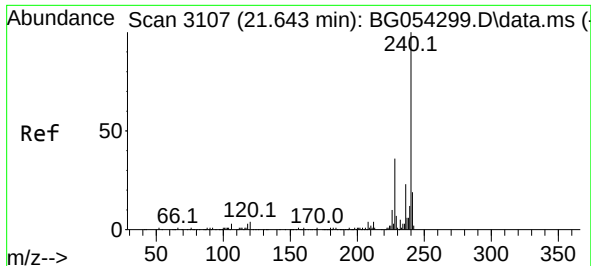
Ion Ratio Lower Upper

202 100

101 4.1 0.0 26.9

203 18.3 0.0 37.2

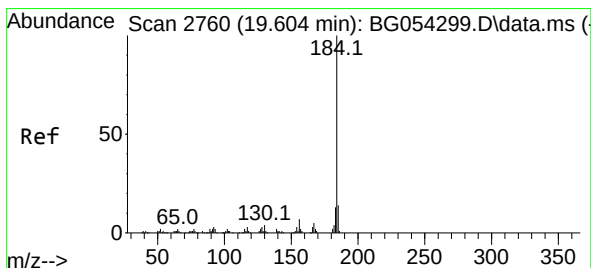
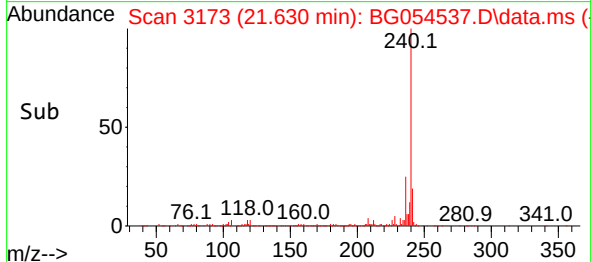
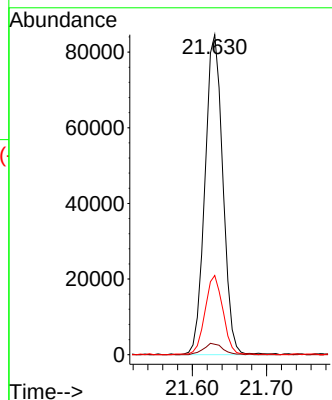
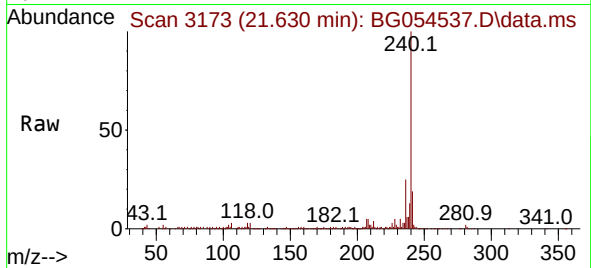




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3107
Delta R.T. -0.007 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

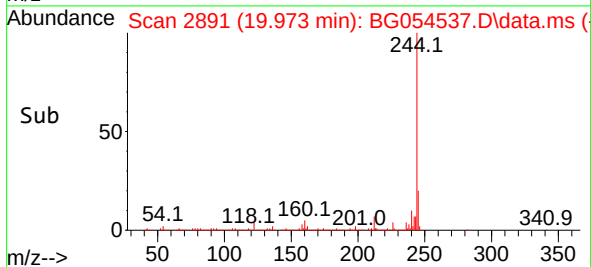
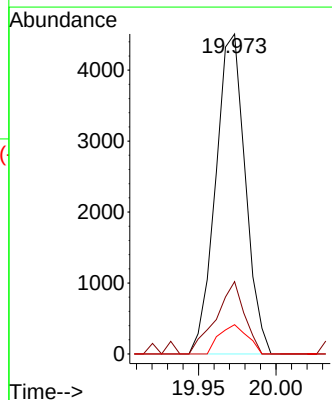
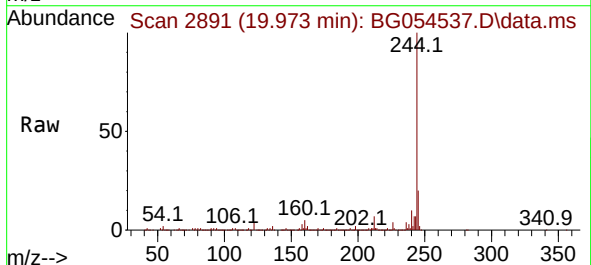
Instrument :
BNA_G
ClientSampleId :
RVE-153

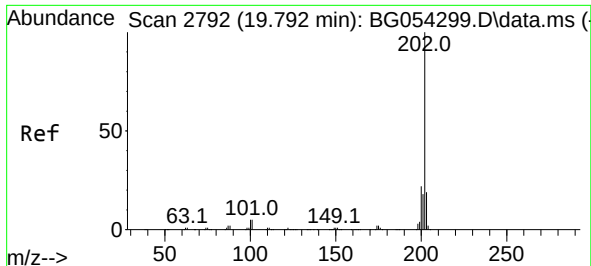
Tgt Ion:240 Resp: 141589
Ion Ratio Lower Upper
240 100
120 3.2 4.6 7.0#
236 24.7 20.2 30.4



#77
Benzidine
Concen: 2.338 ng
RT: 19.973 min Scan# 2891
Delta R.T. 0.375 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

Tgt Ion:184 Resp: 5996
Ion Ratio Lower Upper
184 100
185 22.6 11.8 17.6#
183 9.1 8.9 13.3

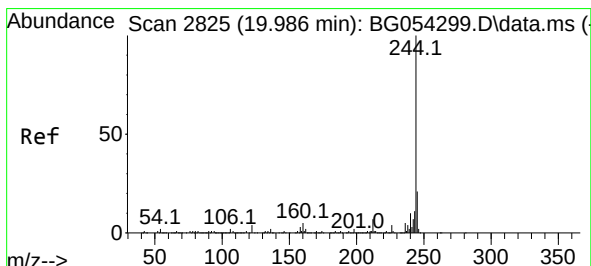
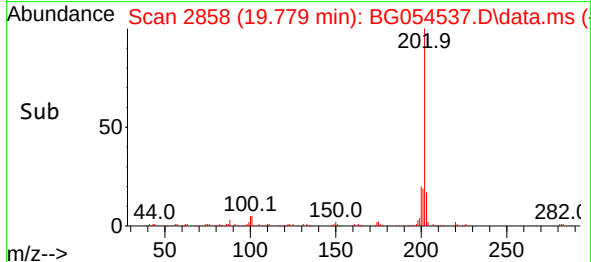
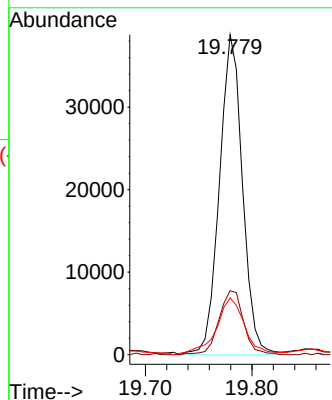
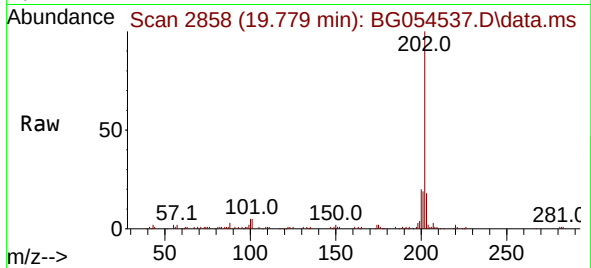




#78
 Pyrene
 Concen: 7.165 ng
 RT: 19.779 min Scan# 2858
 Delta R.T. -0.007 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

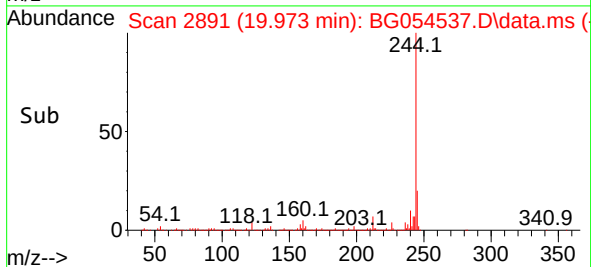
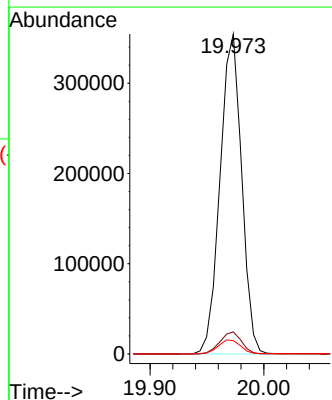
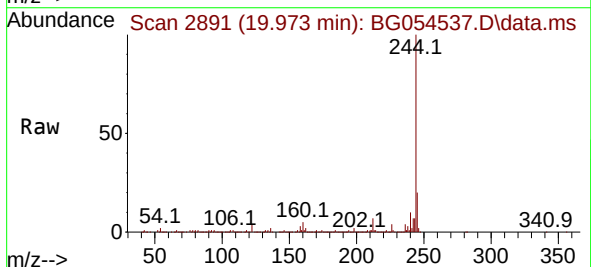
Instrument :
 BNA_G
 ClientSampleId :
 RVE-153

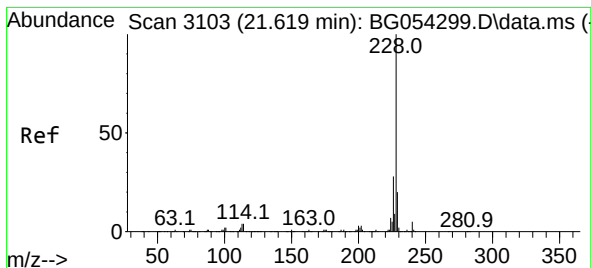
Tgt Ion:202 Resp: 58214
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.6 24.8
 203 17.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 65.598 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. -0.007 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

Tgt Ion:244 Resp: 468193
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 4.2 5.0 7.4#





#81

Benzo(a)anthracene

Concen: 3.037 ng

RT: 21.607 min Scan# 3169

Delta R.T. -0.007 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

Instrument :

BNA_G

ClientSampleId :

RVE-153

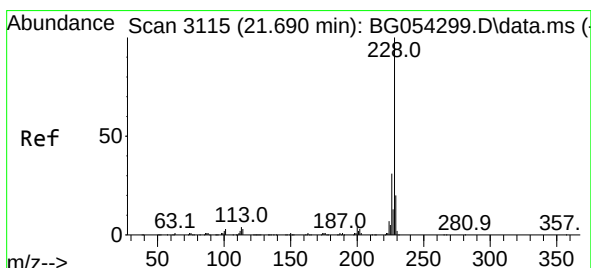
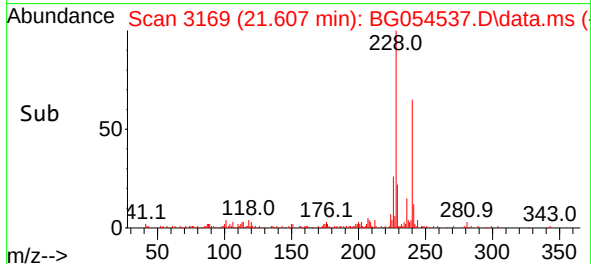
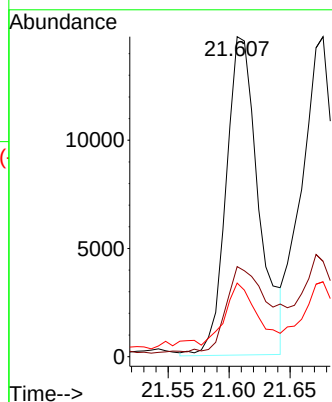
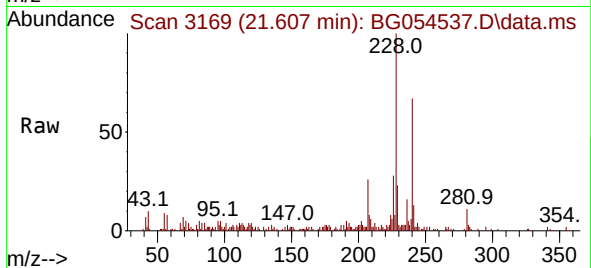
Tgt Ion:228 Resp: 27293

Ion Ratio Lower Upper

228 100

226 28.2 21.6 32.4

229 23.0 16.2 24.2



#83

Chrysene

Concen: 3.214 ng

RT: 21.607 min Scan# 3169

Delta R.T. -0.077 min

Lab File: BG054537.D

Acq: 5 Aug 2022 16:10

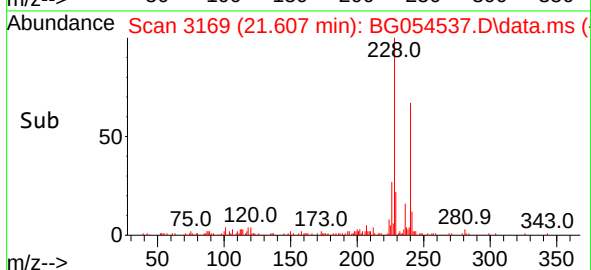
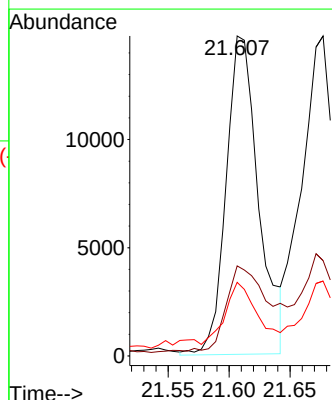
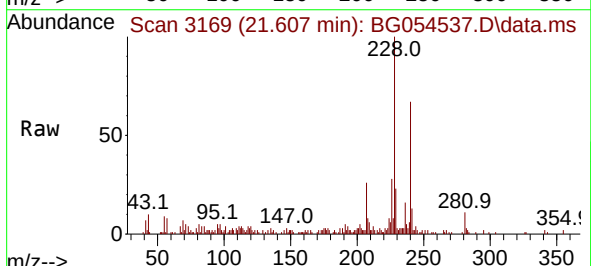
Tgt Ion:228 Resp: 27293

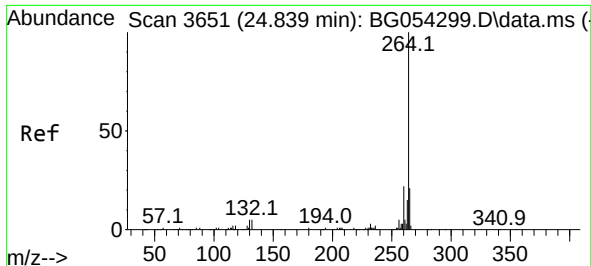
Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

229 23.0 15.5 23.3

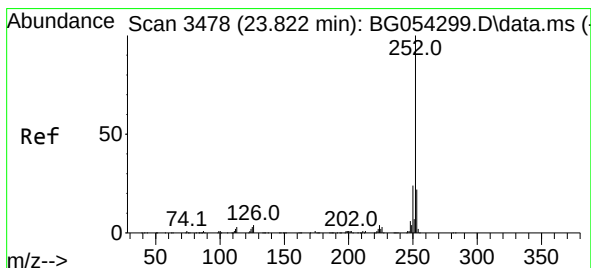
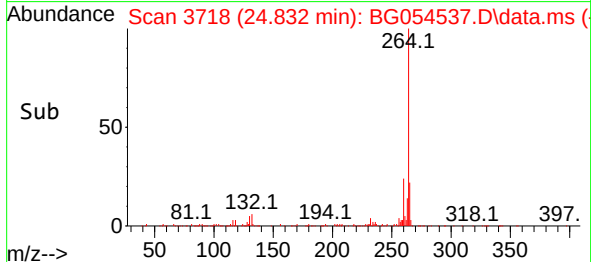
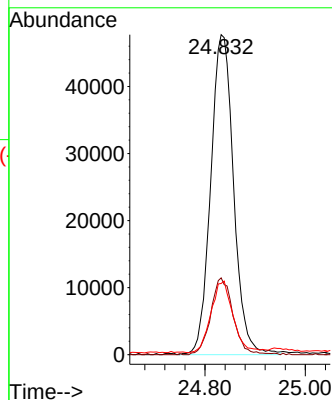
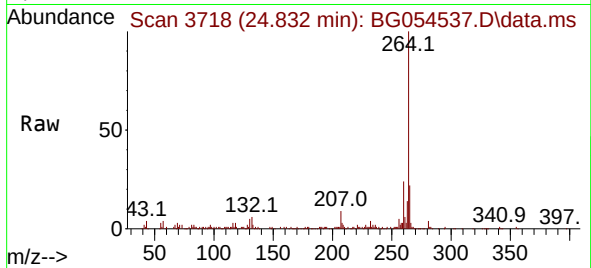




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.832 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

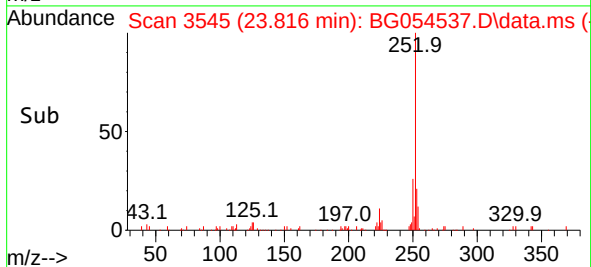
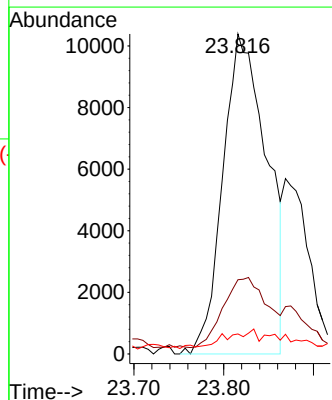
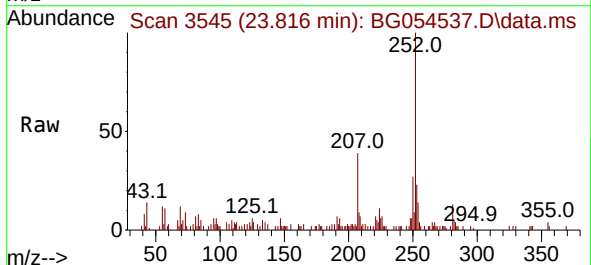
Instrument :
 BNA_G
 ClientSampleId :
 RVE-153

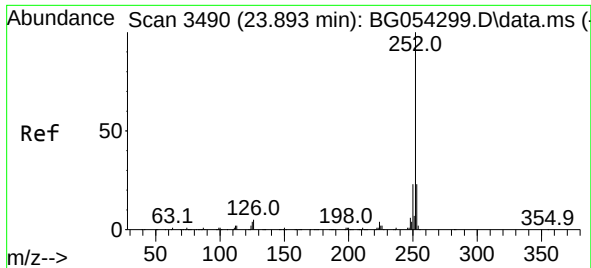
Tgt Ion:264 Resp: 151137
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.6
 265 22.3 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.942 ng
 RT: 23.816 min Scan# 3545
 Delta R.T. -0.007 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

Tgt Ion:252 Resp: 35235
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 6.2 4.6 6.8

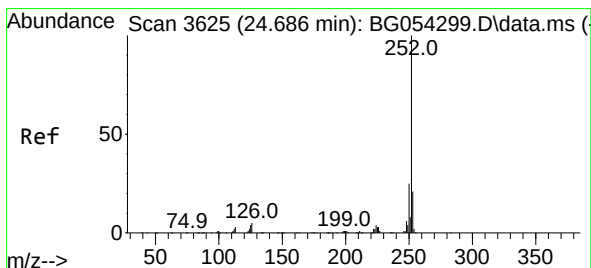
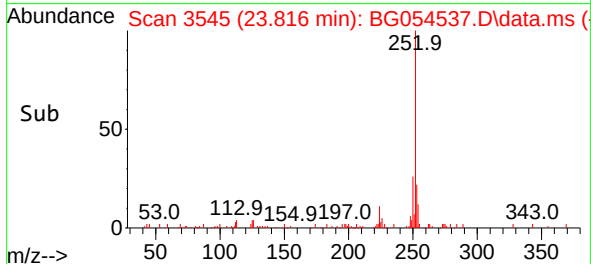
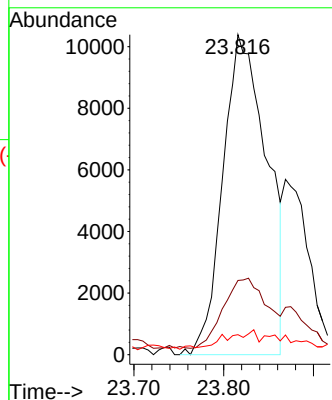
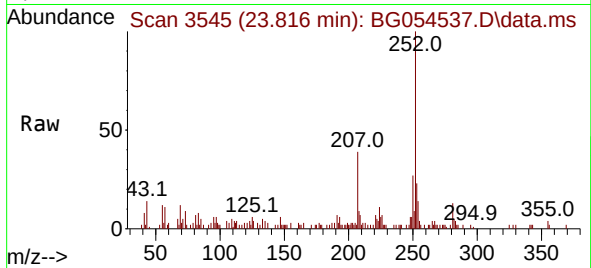




#89
Benzo(k)fluoranthene
Concen: 3.961 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.072 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

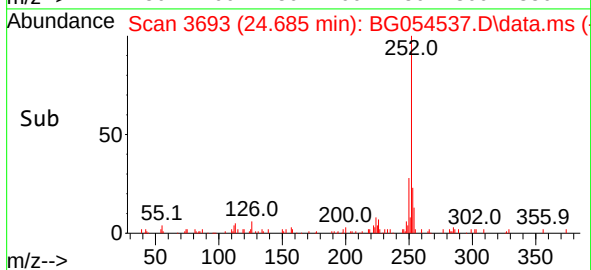
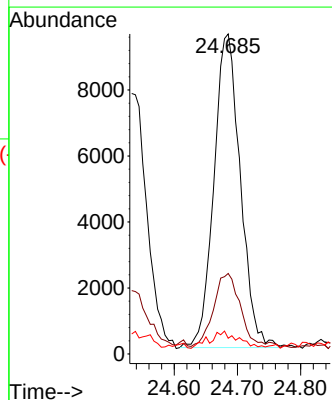
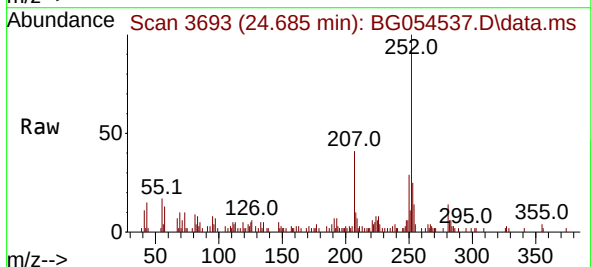
Instrument :
BNA_G
ClientSampleId :
RVE-153

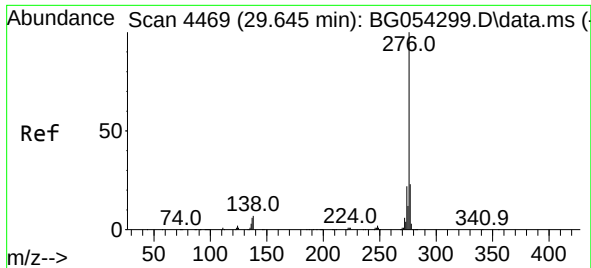
Tgt Ion:252 Resp: 35235
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 6.2 4.8 7.2



#90
Benzo(a)pyrene
Concen: 3.615 ng
RT: 24.685 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054537.D
Acq: 5 Aug 2022 16:10

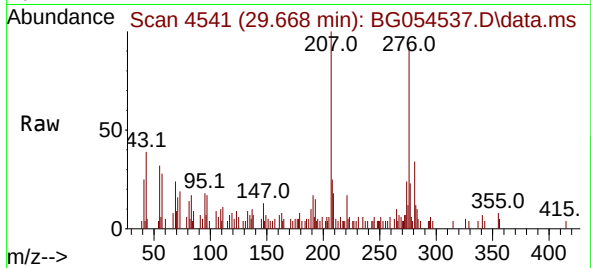
Tgt Ion:252 Resp: 27595
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 4.9 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 2.416 ng
 RT: 29.668 min Scan# 41
 Delta R.T. 0.005 min
 Lab File: BG054537.D
 Acq: 5 Aug 2022 16:10

Instrument :
 BNA_G
 ClientSampleId :
 RVE-153



Tgt Ion:	276	Resp:	22547
Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.3	25.9
138	7.8	9.6	14.4#

