

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054499.D
 Acq On : 3 Aug 2022 14:37
 Operator : CG/JU
 Sample : N3935-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-137

Quant Time: Aug 04 00:43:38 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)

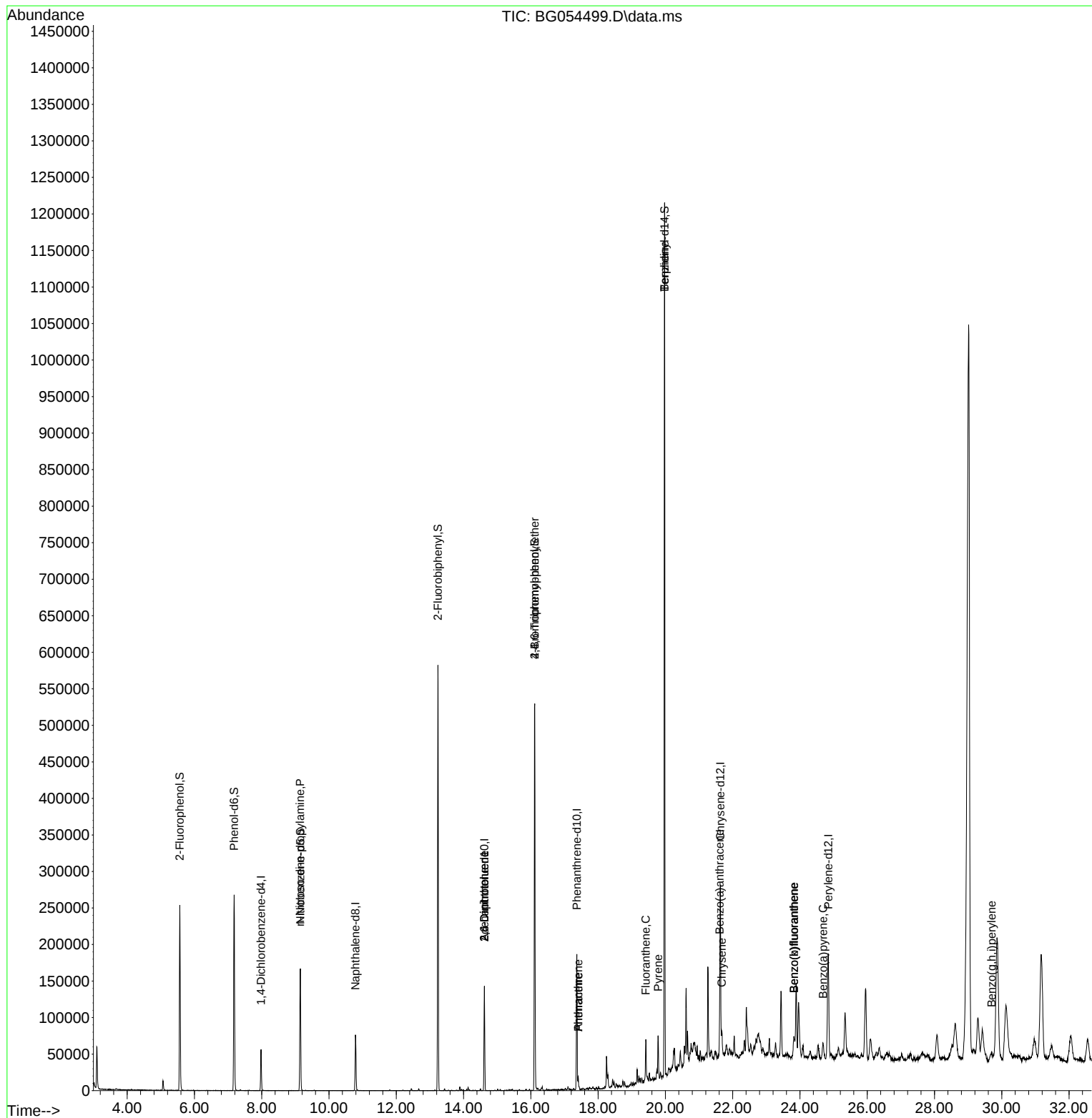
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	17558	20.000	ng	0.00
21) Naphthalene-d8	10.787	136	68847	20.000	ng	# 0.00
39) Acenaphthene-d10	14.618	164	55505	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	134126	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	151171	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	158649	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	114431	136.074	ng	0.00
7) Phenol-d6	7.180	99	156207	135.560	ng	0.00
23) Nitrobenzene-d5	9.148	82	103752	82.066	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	143823	123.411	ng	0.00
45) 2-Fluorobiphenyl	13.237	172	332922	84.614	ng	0.00
79) Terphenyl-d14	19.977	244	665390	87.318	ng	0.00
Target Compounds						
9) Benzaldehyde	7.180	77	138	Below Cal		Qvalue # 10
19) n-Nitroso-di-n-propyla...	9.142	70	15067	19.581	ng	# 81
51) 2,6-Dinitrotoluene	14.618	165	7526	7.914	ng	# 16
57) 2,4-Dinitrotoluene	14.618	165	7526	5.521	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	8420	4.470	ng	# 1
71) Phenanthrene	17.409	178	13933	2.086	ng	98
72) Anthracene	17.409	178	13933	2.126	ng	99
75) Fluoranthene	19.418	202	34624	3.803	ng	94
77) Benzidine	19.977	184	8990	3.284	ng	# 91
78) Pyrene	19.783	202	41796	4.818	ng	96
81) Benzo(a)anthracene	21.616	228	19256	2.007	ng	91
83) Chrysene	21.680	228	29989	3.308	ng	97
88) Benzo(b)fluoranthene	23.825	252	37515	3.998	ng	# 98
89) Benzo(k)fluoranthene	23.825	252	37515	4.018	ng	# 97
90) Benzo(a)pyrene	24.689	252	25311	3.159	ng	96
92) Benzo(g,h,i)perylene	29.695	276	23846	2.435	ng	# 88

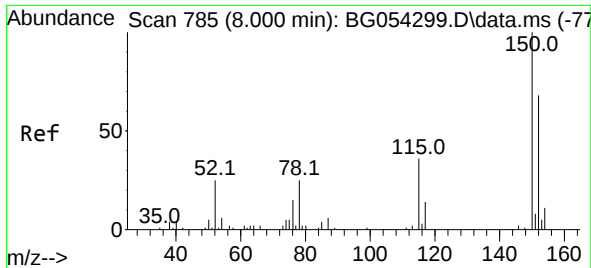
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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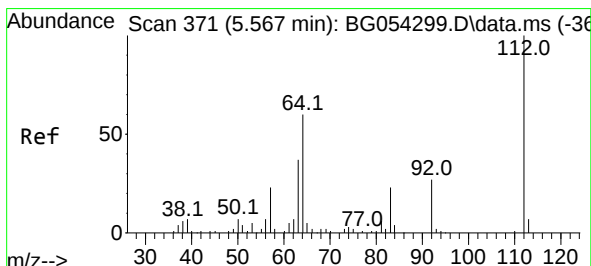
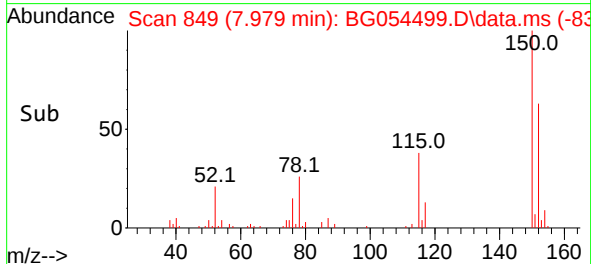
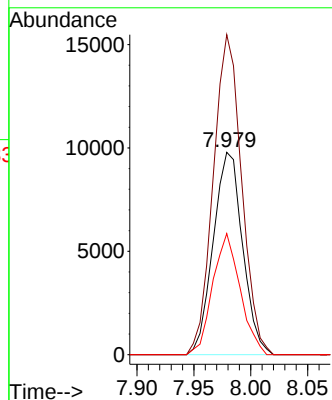
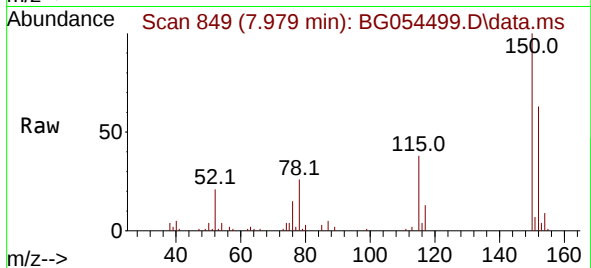




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.979 min Scan# 84
Delta R.T. -0.009 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

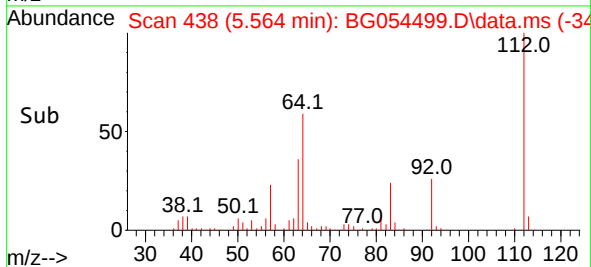
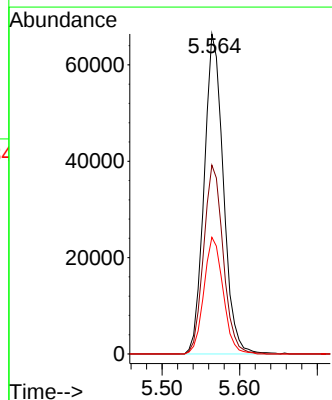
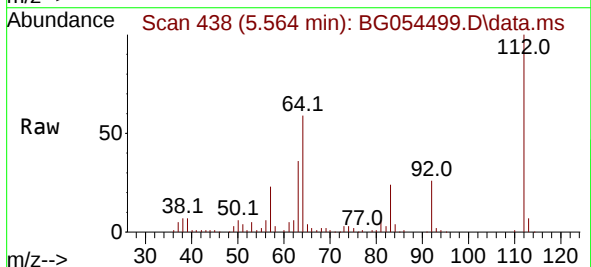
Instrument :
BNA_G
ClientSampleId :
RVE-137

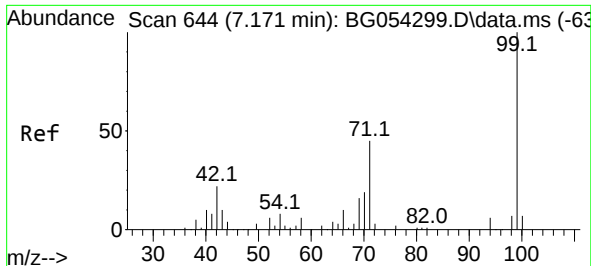
Tgt Ion:152 Resp: 17558
Ion Ratio Lower Upper
152 100
150 158.1 131.6 197.4
115 59.9 50.9 76.3



#5
2-Fluorophenol
Concen: 136.074 ng
RT: 5.564 min Scan# 438
Delta R.T. 0.002 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:112 Resp: 114431
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 36.4 30.4 45.6

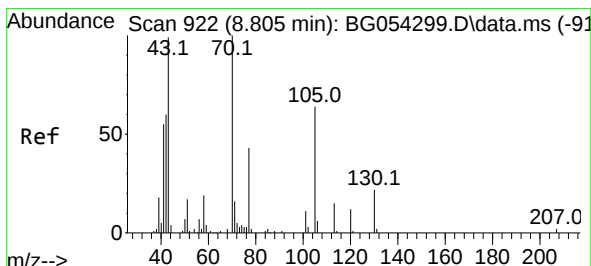
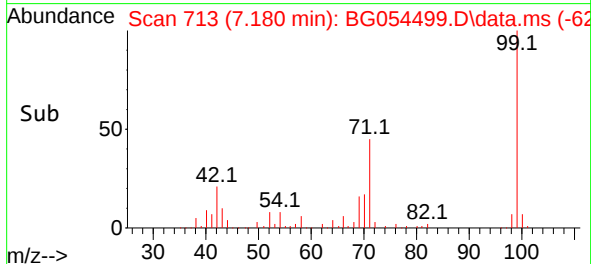
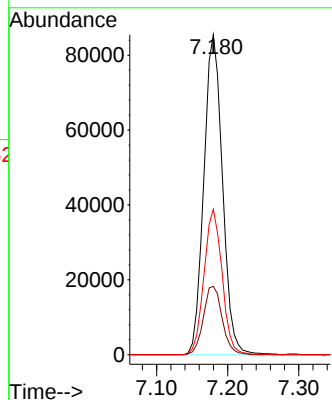
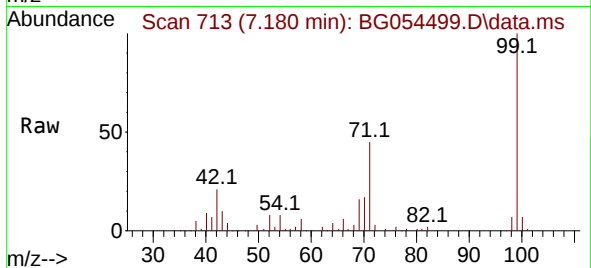




#7
Phenol-d6
Concen: 135.560 ng
RT: 7.180 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

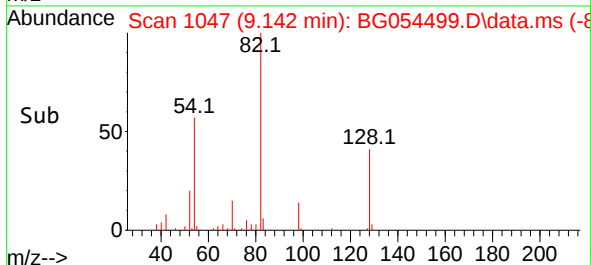
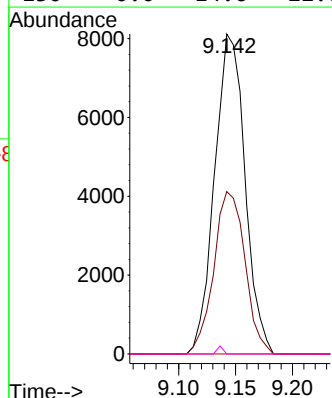
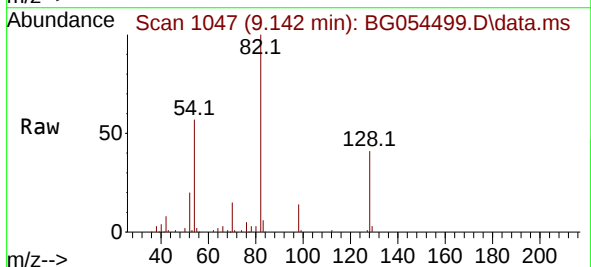
Instrument :
BNA_G
ClientSampleId :
RVE-137

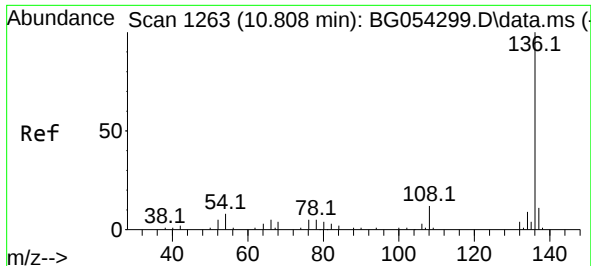
Tgt Ion: 99 Resp: 156207
Ion Ratio Lower Upper
99 100
42 21.4 17.0 25.6
71 45.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 19.581 ng
RT: 9.142 min Scan# 1047
Delta R.T. 0.349 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion: 70 Resp: 15067
Ion Ratio Lower Upper
70 100
42 50.7 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

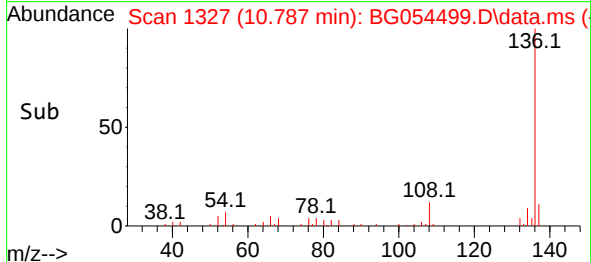
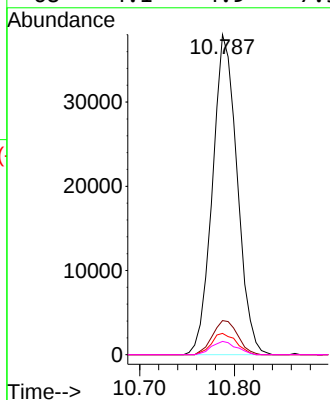
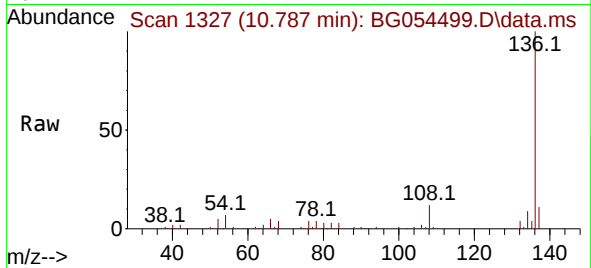




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.787 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

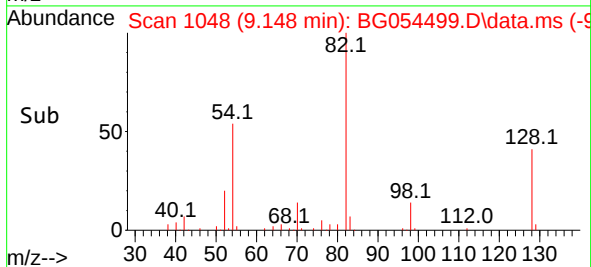
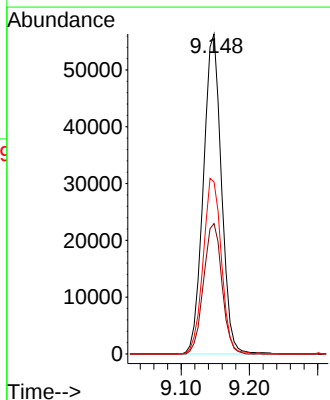
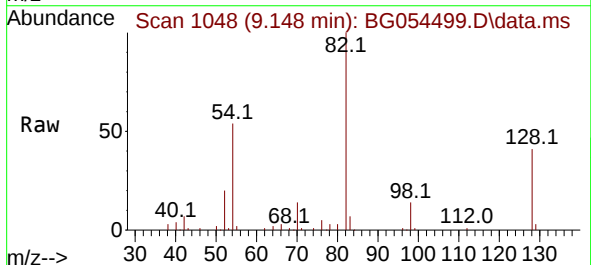
Instrument :
BNA_G
ClientSampleId :
RVE-137

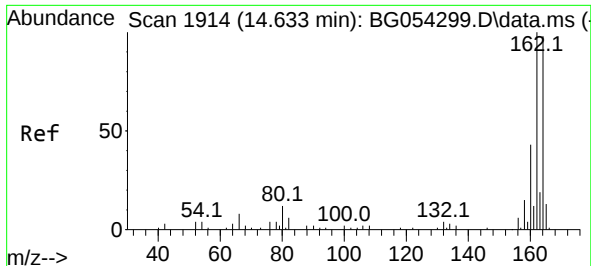
Tgt Ion:	136	Resp:	68847
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.7	7.4	11.2#
68	4.1	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 82.066 ng
RT: 9.148 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

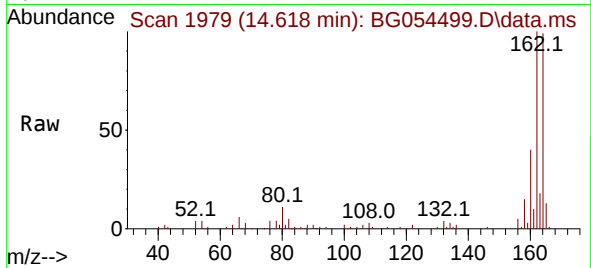
Tgt Ion:	82	Resp:	103752
Ion	Ratio	Lower	Upper
82	100		
128	40.7	27.9	41.9
54	53.7	41.2	61.8



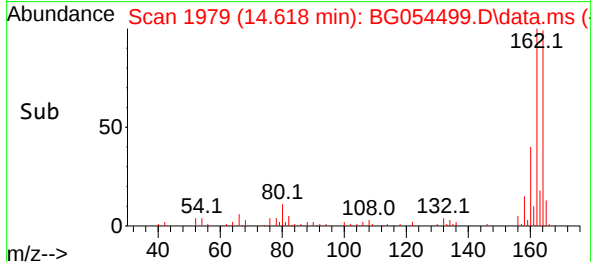
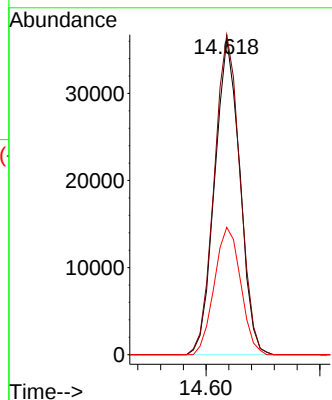


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.618 min Scan# 1914
 Delta R.T. -0.004 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

Instrument :
 BNA_G
 ClientSampleId :
 RVE-137

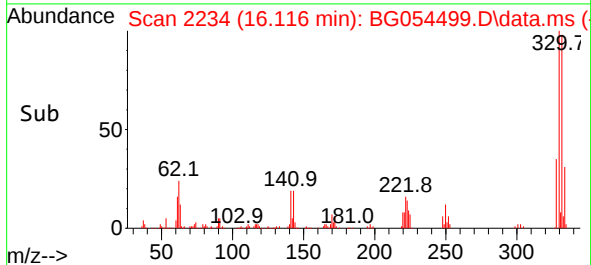
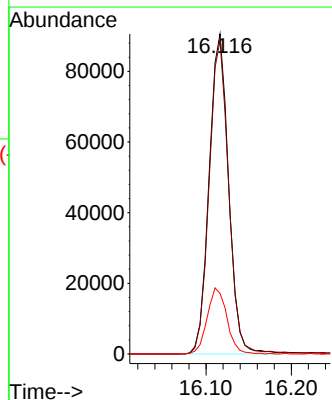
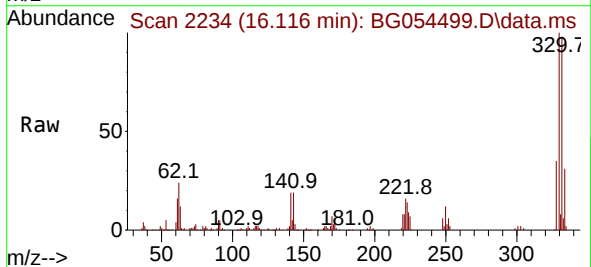


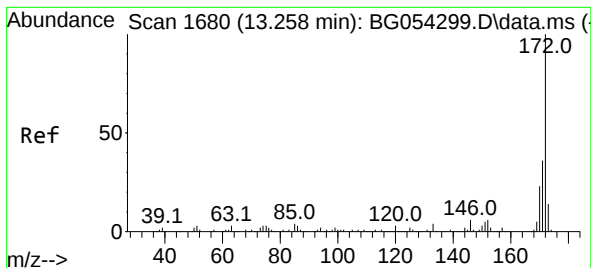
Tgt Ion:164 Resp: 55505
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.3 123.5
 160 40.3 34.2 51.2



#42
 2,4,6-Tribromophenol
 Concen: 123.411 ng
 RT: 16.116 min Scan# 2234
 Delta R.T. 0.002 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

Tgt Ion:330 Resp: 143823
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.0 114.0
 141 20.9 27.1 40.7#

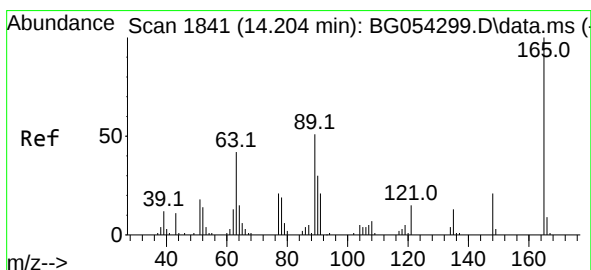
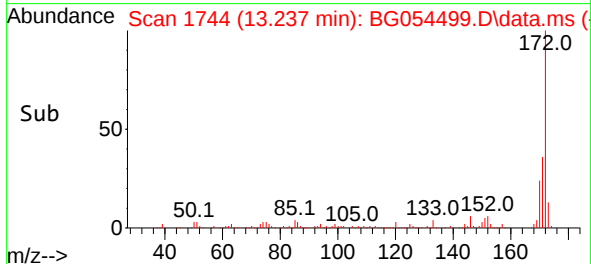
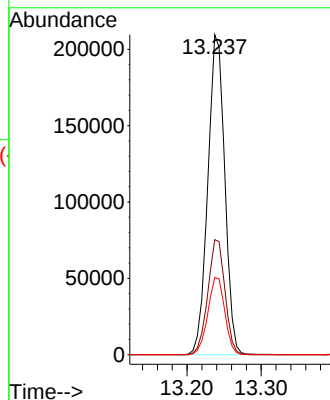
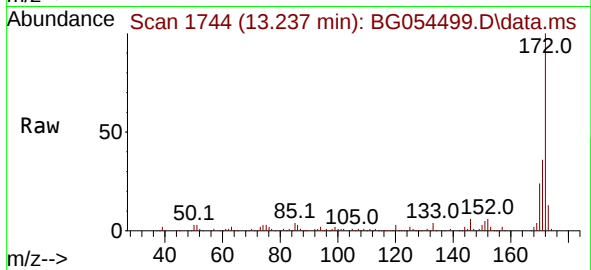




#45
2-Fluorobiphenyl
Concen: 84.614 ng
RT: 13.237 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

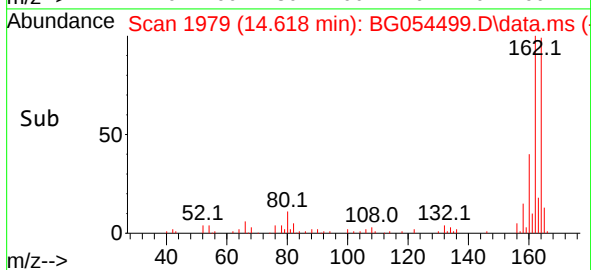
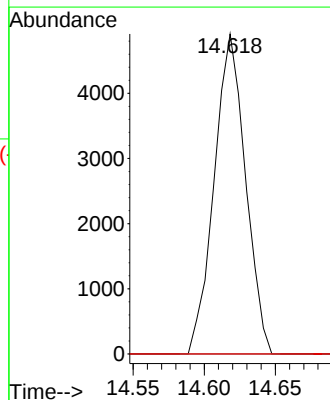
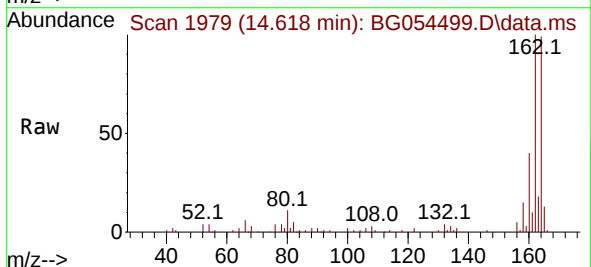
Instrument :
BNA_G
ClientSampleId :
RVE-137

Tgt Ion:172 Resp: 332922
Ion Ratio Lower Upper
172 100
171 36.0 28.5 42.7
170 24.1 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.914 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.419 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:165 Resp: 7526
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: 5.521 ng

RT: 14.618 min Scan# 14

Delta R.T. -0.374 min

Lab File: BG054499.D

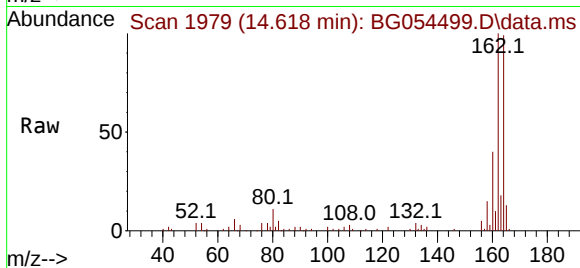
Acq: 3 Aug 2022 14:37

Instrument :

BNA_G

ClientSampleId :

RVE-137



Tgt Ion:165 Resp: 7526

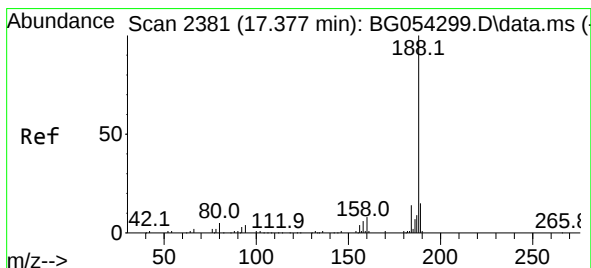
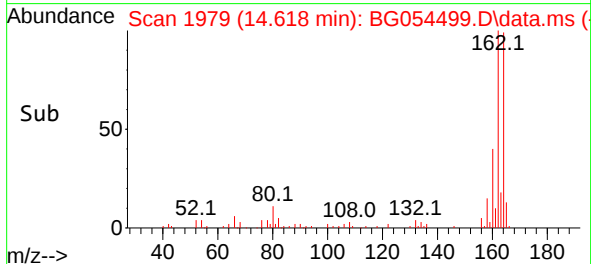
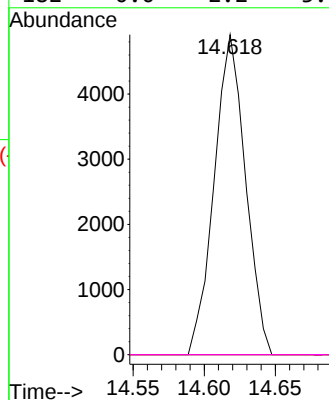
Ion Ratio Lower Upper

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: 17.368 min Scan# 2447

Delta R.T. -0.004 min

Lab File: BG054499.D

Acq: 3 Aug 2022 14:37

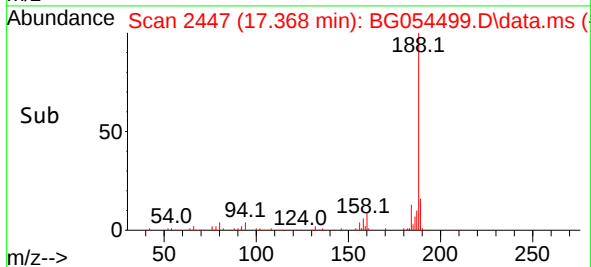
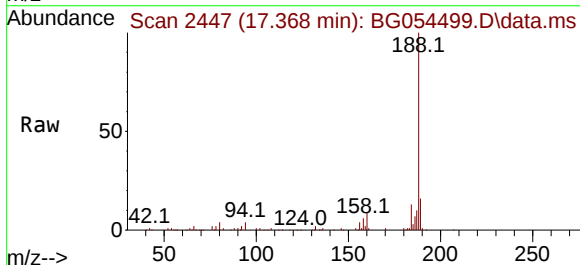
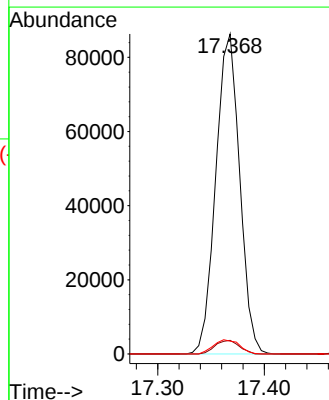
Tgt Ion:188 Resp: 134126

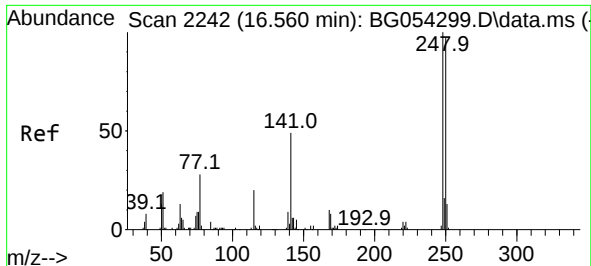
Ion Ratio Lower Upper

188 100

94 4.3 5.4 8.0#

80 4.0 6.8 10.2#

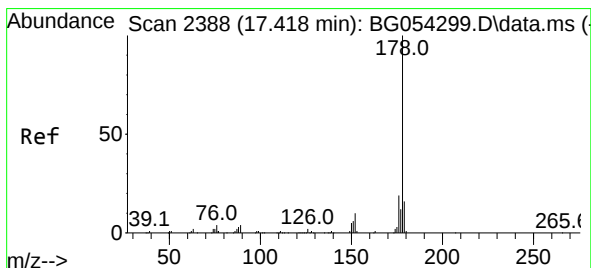
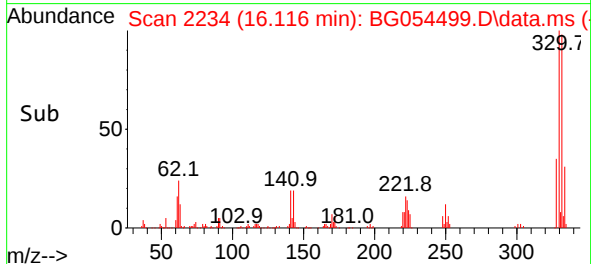
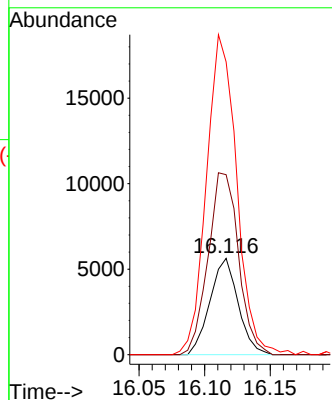
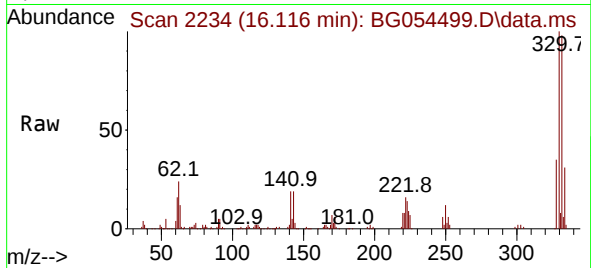




#67
4-Bromophenyl-phenylether
Concen: 4.470 ng
RT: 16.116 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

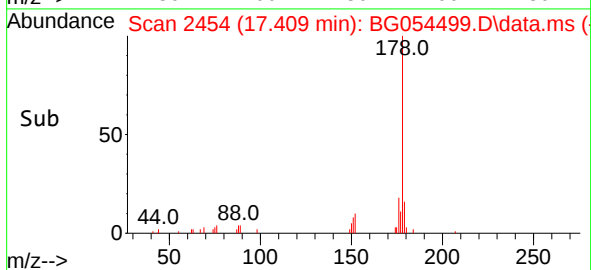
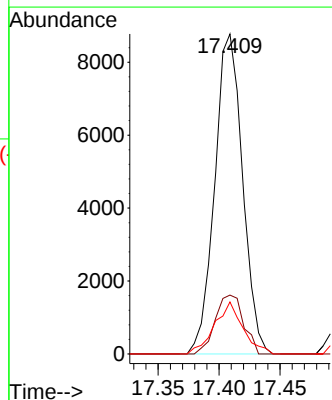
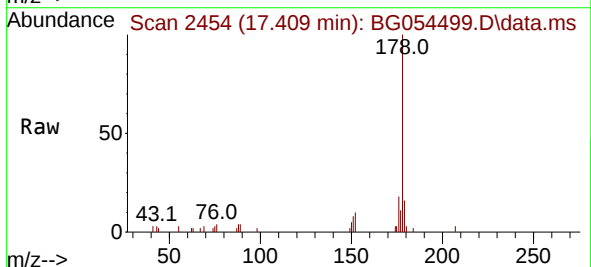
Instrument :
BNA_G
ClientSampleId :
RVE-137

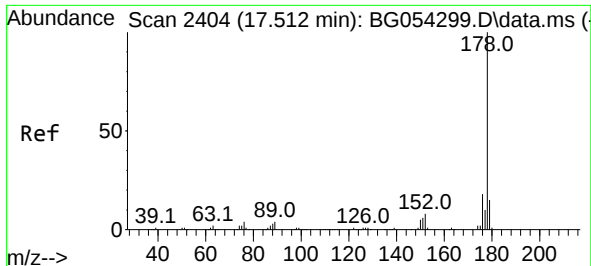
Tgt Ion:248 Resp: 8420
Ion Ratio Lower Upper
248 100
250 186.8 75.2 112.8#
141 303.9 50.0 75.0#



#71
Phenanthrene
Concen: 2.086 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.004 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:178 Resp: 13933
Ion Ratio Lower Upper
178 100
176 18.4 14.1 21.1
179 16.3 12.1 18.1

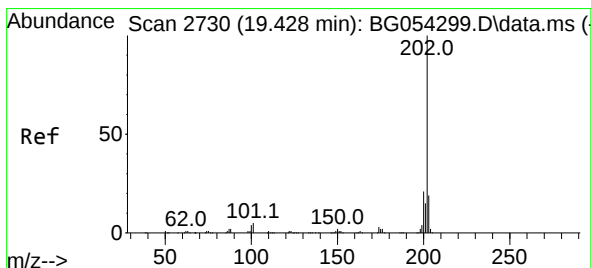
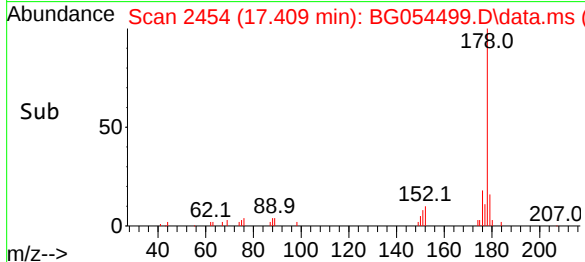
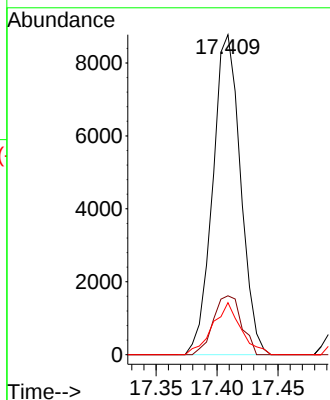
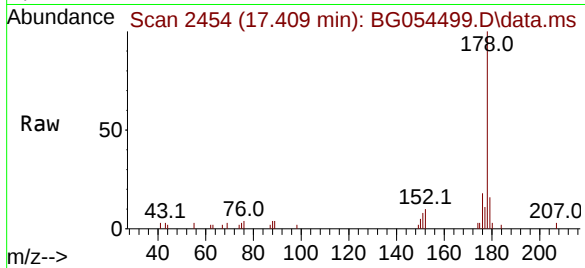




#72
 Anthracene
 Concen: 2.126 ng
 RT: 17.409 min Scan# 24
 Delta R.T. -0.092 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

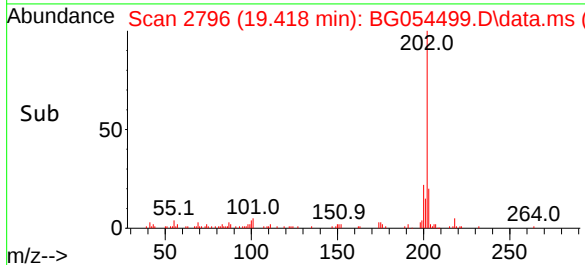
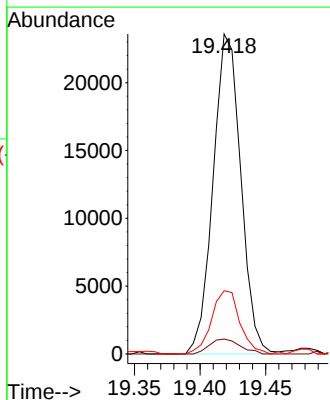
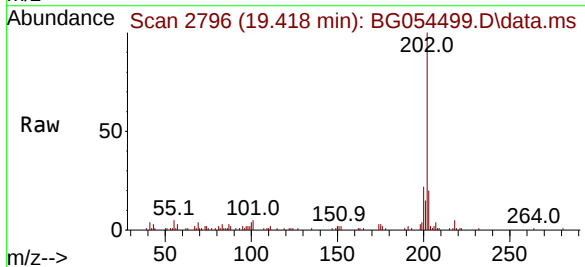
Instrument :
 BNA_G
 ClientSampleId :
 RVE-137

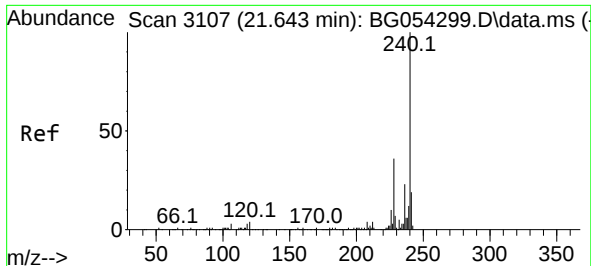
Tgt Ion:178 Resp: 13933
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 16.3 13.0 19.4



#75
 Fluoranthene
 Concen: 3.803 ng
 RT: 19.418 min Scan# 2796
 Delta R.T. -0.004 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

Tgt Ion:202 Resp: 34624
 Ion Ratio Lower Upper
 202 100
 101 4.7 0.0 26.9
 203 19.7 0.0 37.2

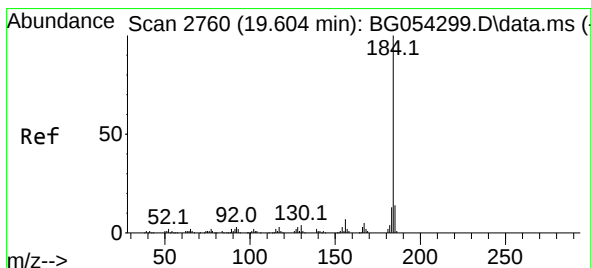
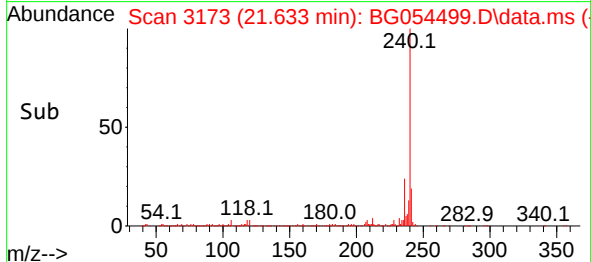
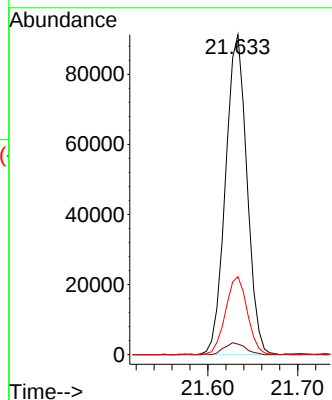
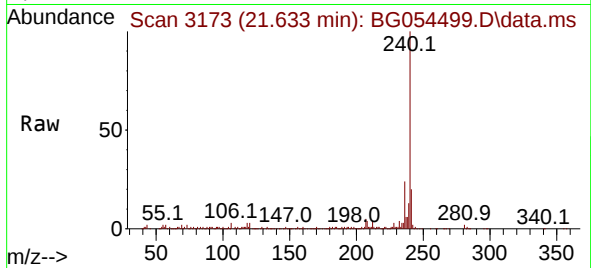




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

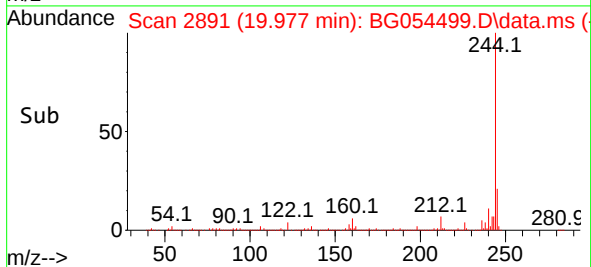
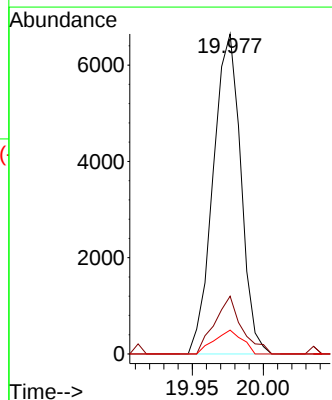
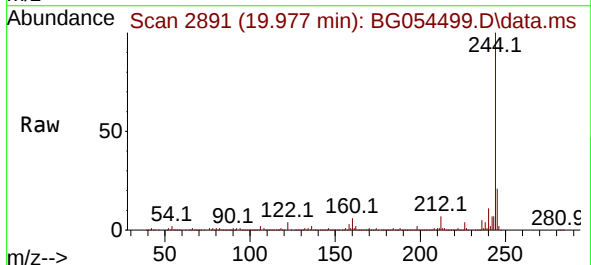
Instrument :
BNA_G
ClientSampleId :
RVE-137

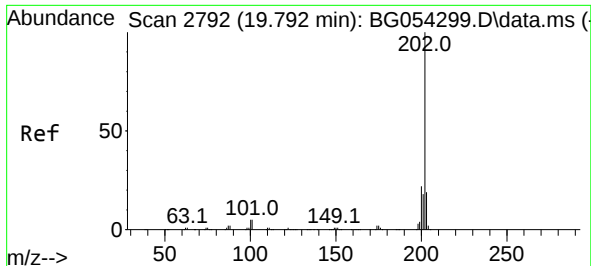
Tgt Ion:240 Resp: 151171
Ion Ratio Lower Upper
240 100
120 3.3 4.6 7.0#
236 24.4 20.2 30.4



#77
Benzidine
Concen: 3.284 ng
RT: 19.977 min Scan# 2891
Delta R.T. 0.378 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:184 Resp: 8990
Ion Ratio Lower Upper
184 100
185 18.1 11.8 17.6#
183 7.5 8.9 13.3#

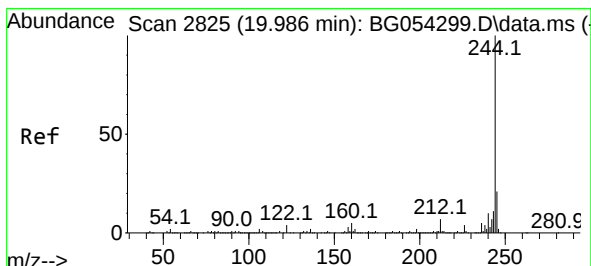
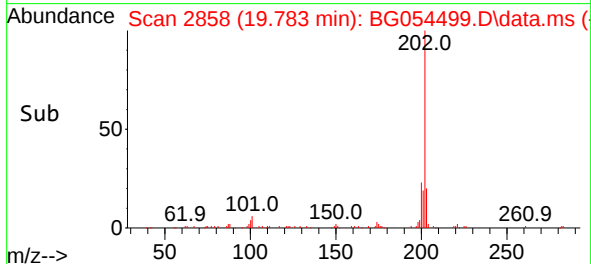
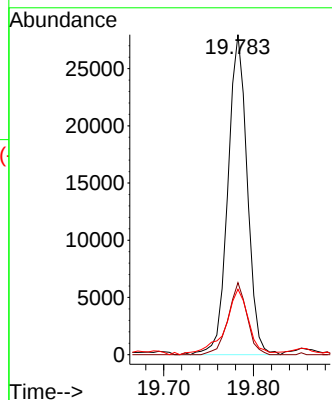
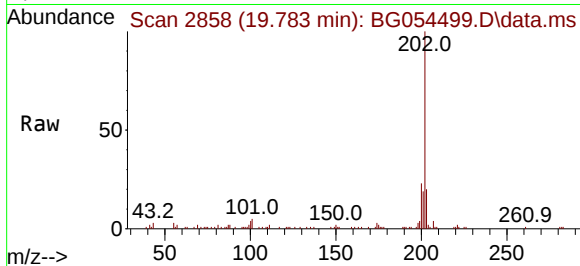




#78
 Pyrene
 Concen: 4.818 ng
 RT: 19.783 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

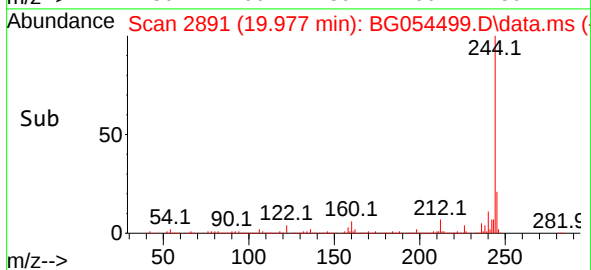
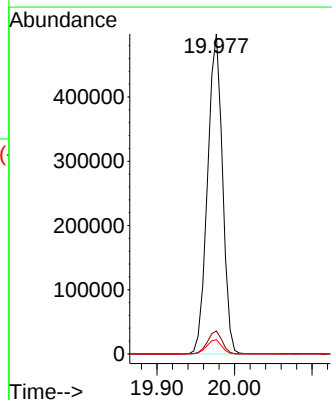
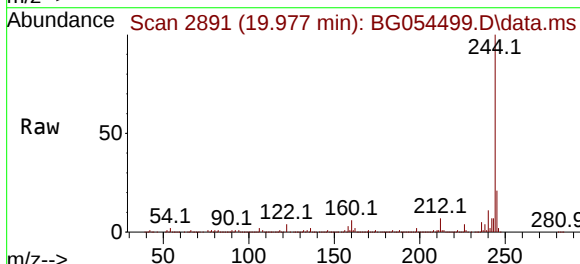
Instrument :
 BNA_G
 ClientSampleId :
 RVE-137

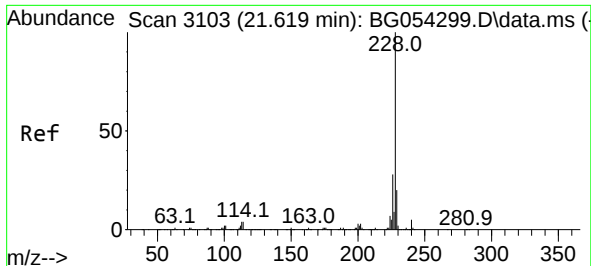
Tgt Ion:	202	Resp:	41796
Ion Ratio	Lower	Upper	
202	100		
200	22.5	16.6	24.8
203	20.4	14.6	21.8



#79
 Terphenyl-d14
 Concen: 87.318 ng
 RT: 19.977 min Scan# 2891
 Delta R.T. -0.004 min
 Lab File: BG054499.D
 Acq: 3 Aug 2022 14:37

Tgt Ion:	244	Resp:	665390
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.5	9.7
122	4.5	5.0	7.4#

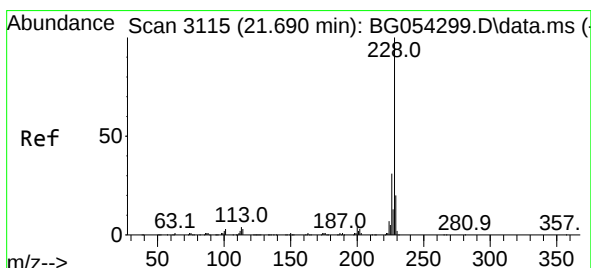
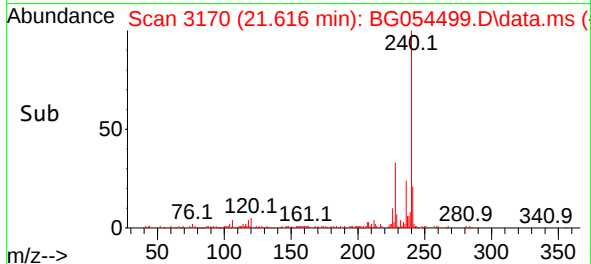
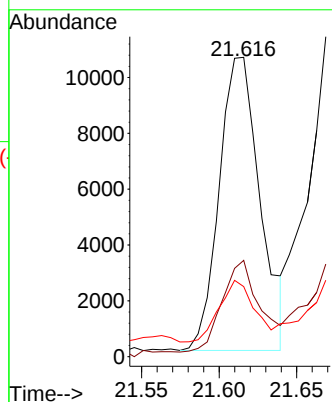
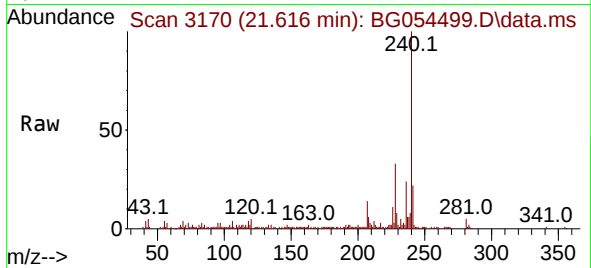




#81
Benzo(a)anthracene
Concen: 2.007 ng
RT: 21.616 min Scan# 3103
Delta R.T. 0.002 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

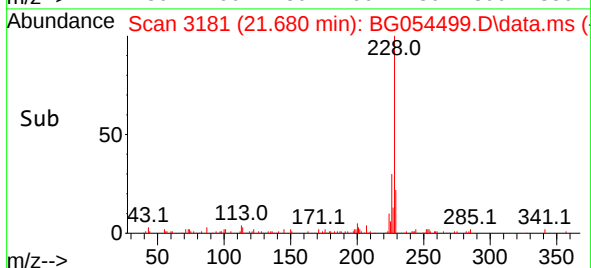
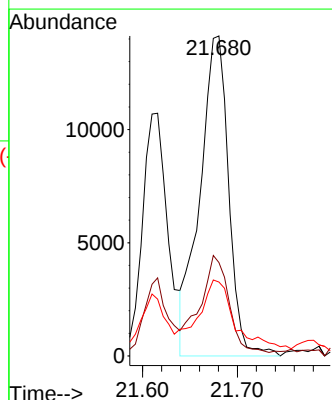
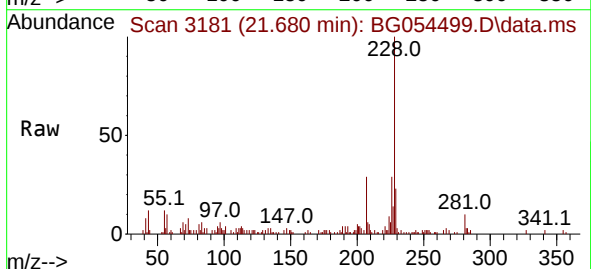
Instrument :
BNA_G
ClientSampleId :
RVE-137

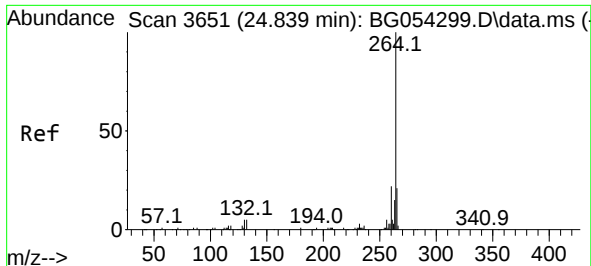
Tgt Ion:228 Resp: 19256
Ion Ratio Lower Upper
228 100
226 32.2 21.6 32.4
229 23.4 16.2 24.2



#83
Chrysene
Concen: 3.308 ng
RT: 21.680 min Scan# 3181
Delta R.T. -0.004 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:228 Resp: 29989
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 23.1 15.5 23.3



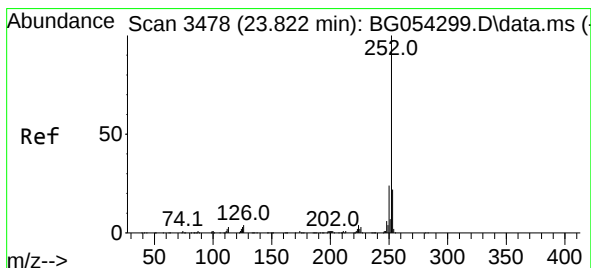
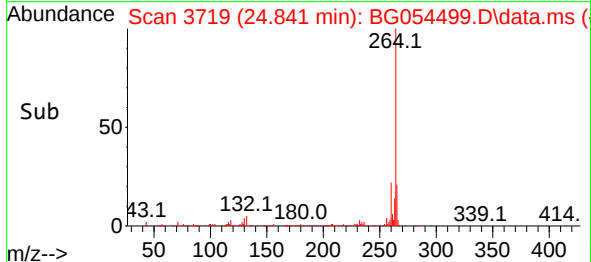
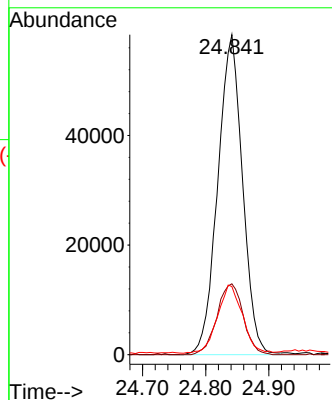
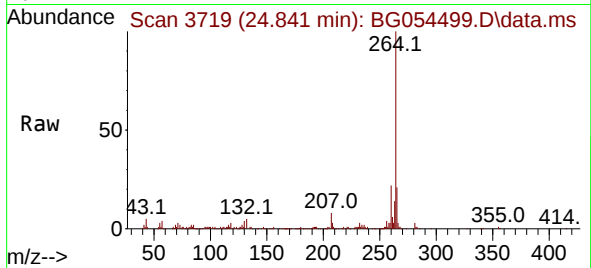


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.841 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Instrument :
BNA_G
ClientSampleId :
RVE-137

Tgt Ion:264 Resp: 158649

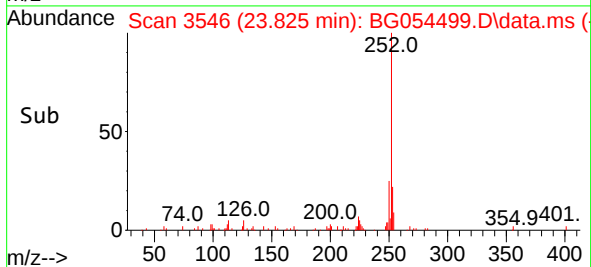
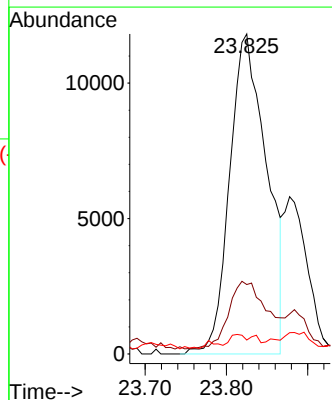
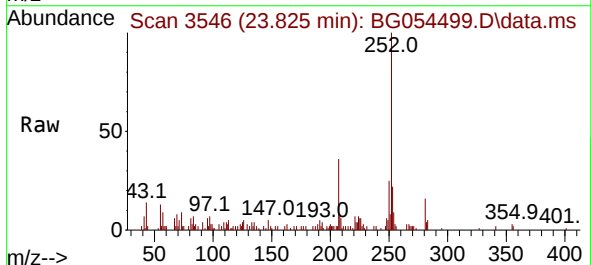
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.0	28.6
265	21.3	17.4	26.2

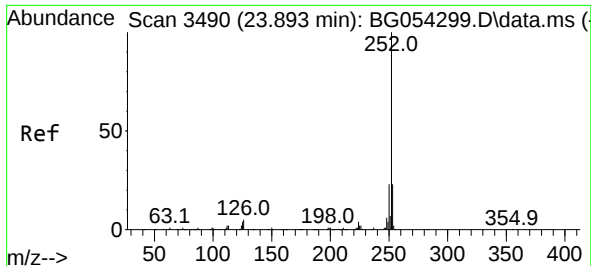


#88
Benzo(b)fluoranthene
Concen: 3.998 ng
RT: 23.825 min Scan# 3546
Delta R.T. 0.002 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:252 Resp: 37515

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	4.3	4.6	6.8

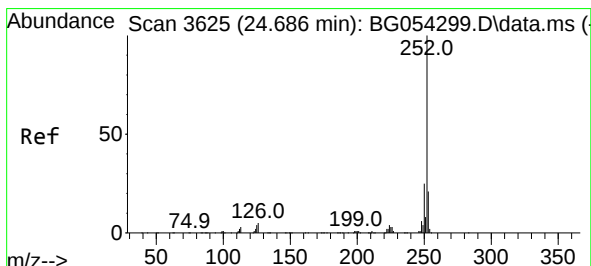
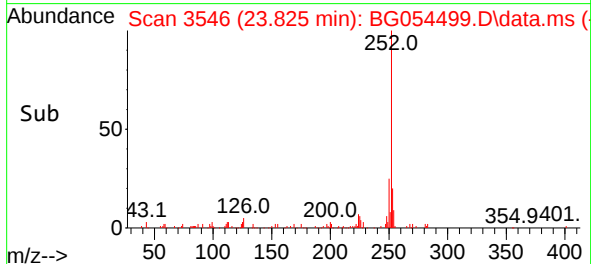
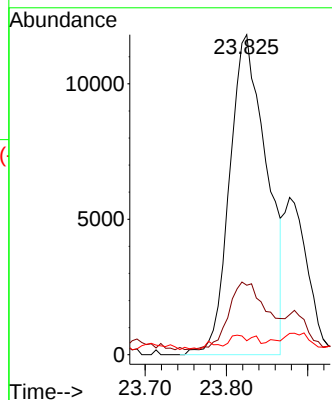
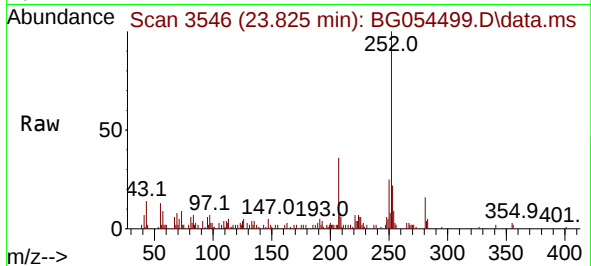




#89
Benzo(k)fluoranthene
Concen: 4.018 ng
RT: 23.825 min Scan# 31
Delta R.T. -0.062 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

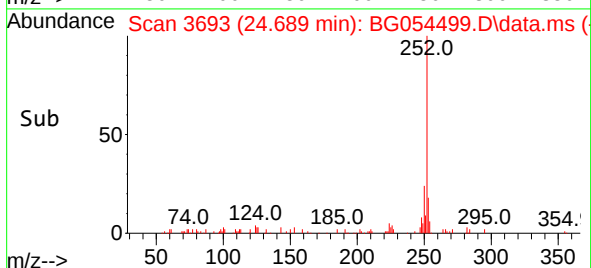
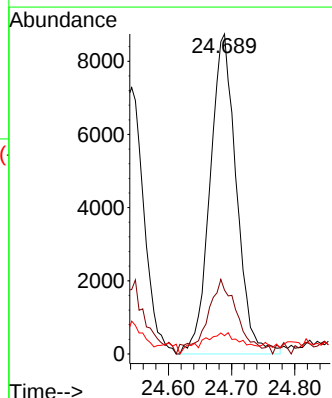
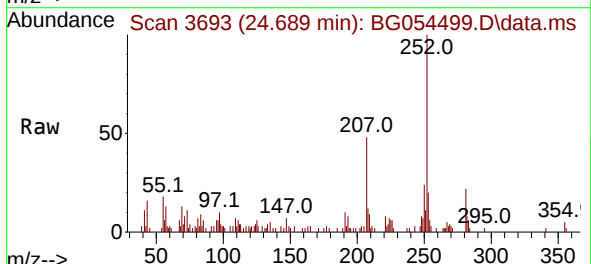
Instrument :
BNA_G
ClientSampleId :
RVE-137

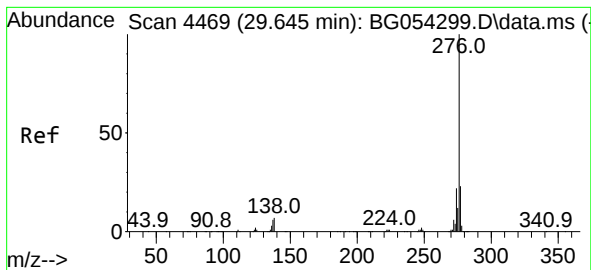
Tgt Ion:252 Resp: 37515
Ion Ratio Lower Upper
252 100
253 21.7 18.4 27.6
125 4.3 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 3.159 ng
RT: 24.689 min Scan# 3693
Delta R.T. 0.002 min
Lab File: BG054499.D
Acq: 3 Aug 2022 14:37

Tgt Ion:252 Resp: 25311
Ion Ratio Lower Upper
252 100
253 19.9 17.8 26.8
125 5.7 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 2.435 ng

RT: 29.695 min Scan# 4

Delta R.T. 0.032 min

Lab File: BG054499.D

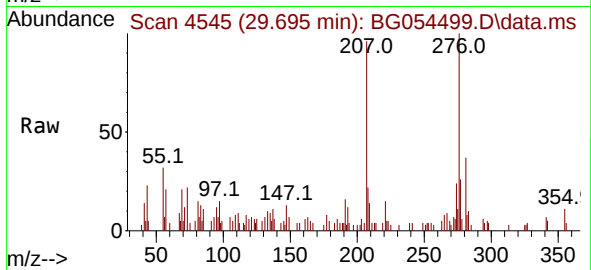
Acq: 3 Aug 2022 14:37

Instrument :

BNA_G

ClientSampleId :

RVE-137



Tgt Ion:276 Resp: 23846

Ion Ratio Lower Upper

276 100

277 26.5 17.3 25.9#

138 6.3 9.6 14.4#

