

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080322\
 Data File : BG054505.D
 Acq On : 3 Aug 2022 18:48
 Operator : CG/JU
 Sample : N3935-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-135

Quant Time: Aug 04 00:44:23 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)

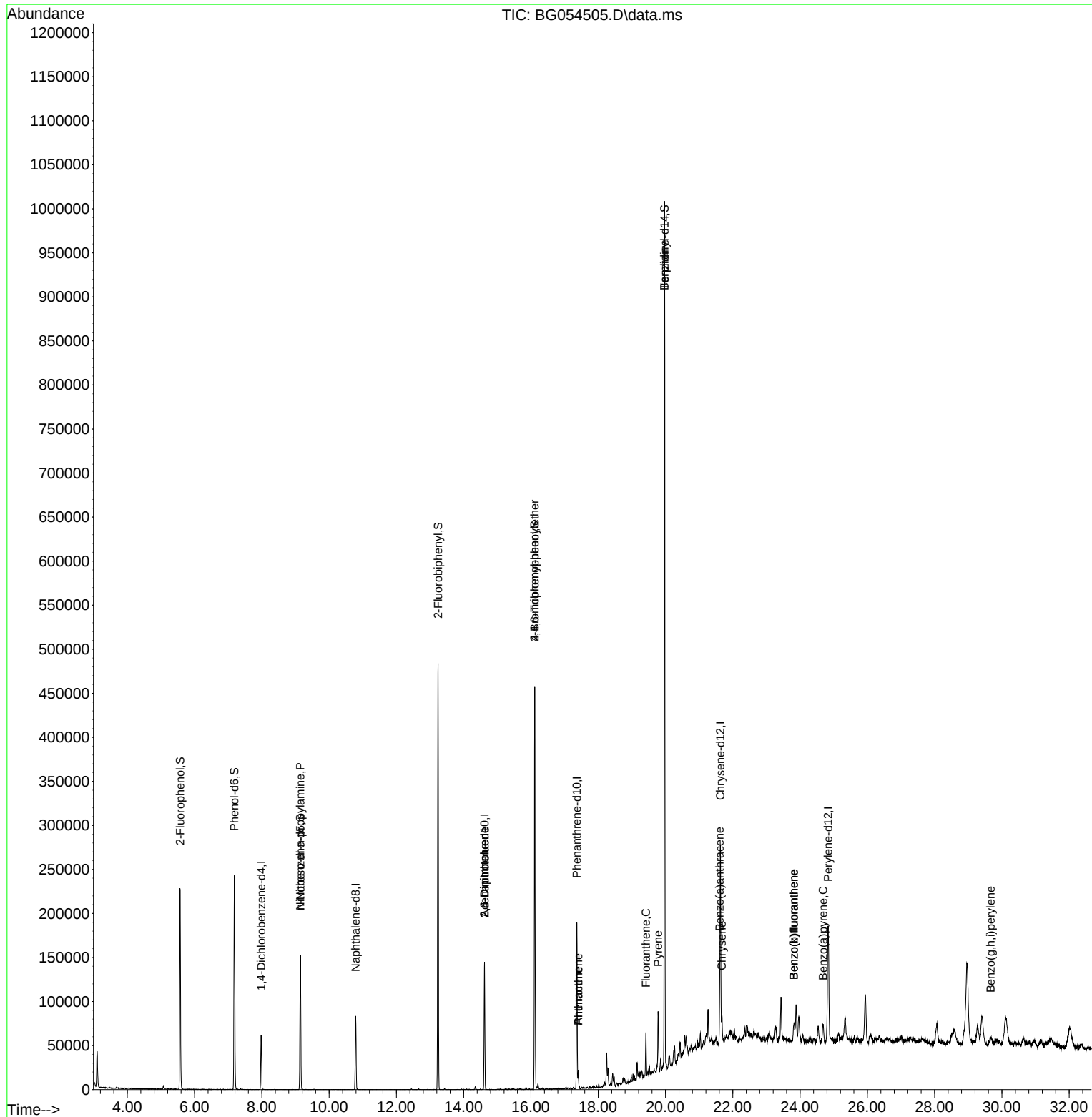
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.981	152	19571	20.000	ng	0.00
21) Naphthalene-d8	10.790	136	75407	20.000	ng	# 0.00
39) Acenaphthene-d10	14.621	164	55788	20.000	ng	0.00
64) Phenanthrene-d10	17.364	188	134073	20.000	ng	# 0.00
76) Chrysene-d12	21.630	240	145675	20.000	ng	# 0.00
86) Perylene-d12	24.832	264	156214	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.572	112	105274	112.309	ng	0.01
7) Phenol-d6	7.182	99	140172	109.133	ng	0.01
23) Nitrobenzene-d5	9.145	82	95513	68.977	ng	0.00
42) 2,4,6-Tribromophenol	16.113	330	121085	103.373	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	286844	72.533	ng	0.00
79) Terphenyl-d14	19.973	244	553847	75.423	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.182	77	65	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.145	70	13555	15.804	ng	# 78
51) 2,6-Dinitrotoluene	14.621	165	7461	7.806	ng	# 16
57) 2,4-Dinitrotoluene	14.621	165	7461	5.445	ng	# 21
67) 4-Bromophenyl-phenylether	16.113	248	7131	3.787	ng	# 1
71) Phenanthrene	17.406	178	14897	2.231	ng	97
72) Anthracene	17.406	178	14897	2.274	ng	98
75) Fluoranthene	19.421	202	31067	3.413	ng	93
77) Benzidine	19.973	184	7235	2.742	ng	# 92
78) Pyrene	19.779	202	47100	5.635	ng	98
81) Benzo(a)anthracene	21.612	228	19859	2.148	ng	96
83) Chrysene	21.677	228	27830	3.185	ng	# 90
88) Benzo(b)fluoranthene	23.816	252	28367	3.071	ng	# 91
89) Benzo(k)fluoranthene	23.816	252	28367	3.085	ng	# 92
90) Benzo(a)pyrene	24.685	252	23094	2.927	ng	# 90
92) Benzo(g,h,i)perylene	29.668	276	20165	2.091	ng	# 90

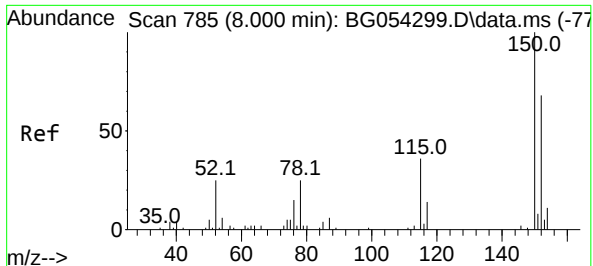
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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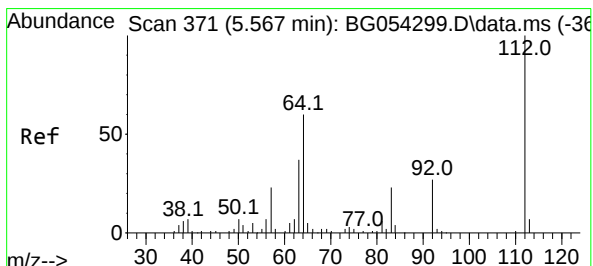
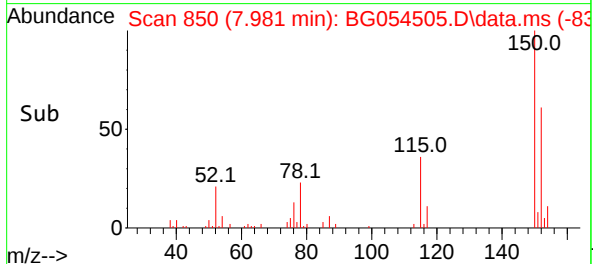
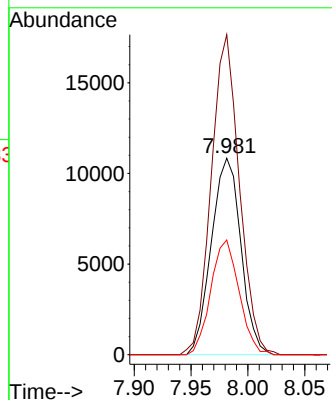
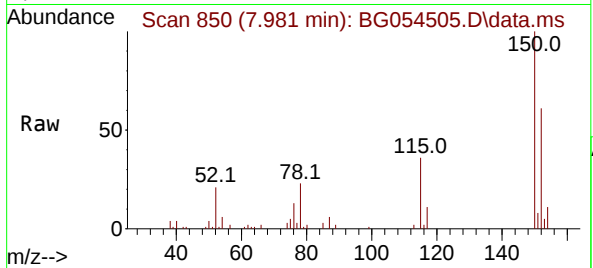




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.981 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

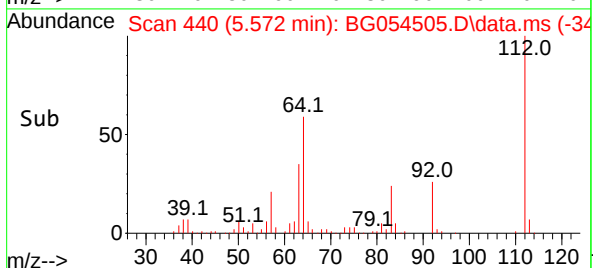
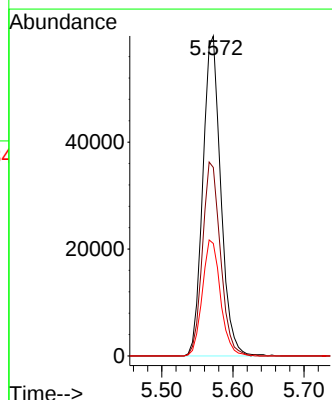
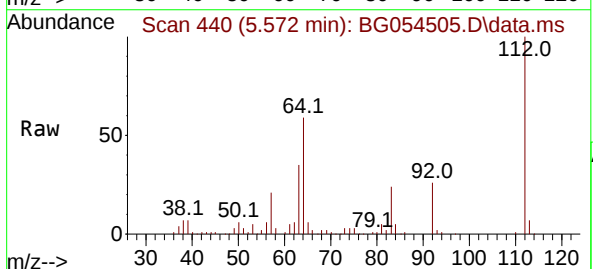
Instrument :
BNA_G
ClientSampleId :
RVE-135

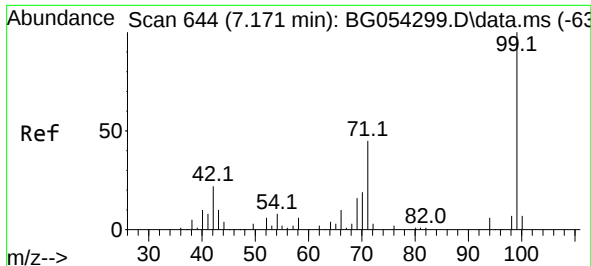
Tgt Ion:152 Resp: 19571
Ion Ratio Lower Upper
152 100
150 162.9 131.6 197.4
115 58.4 50.9 76.3



#5
2-Fluorophenol
Concen: 112.309 ng
RT: 5.572 min Scan# 440
Delta R.T. 0.011 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion:112 Resp: 105274
Ion Ratio Lower Upper
112 100
64 58.9 55.1 82.7
63 35.2 30.4 45.6





#7
Phenol-d6
Concen: 109.133 ng
RT: 7.182 min Scan# 71
Delta R.T. 0.011 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

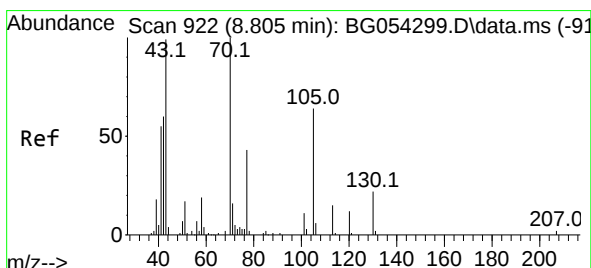
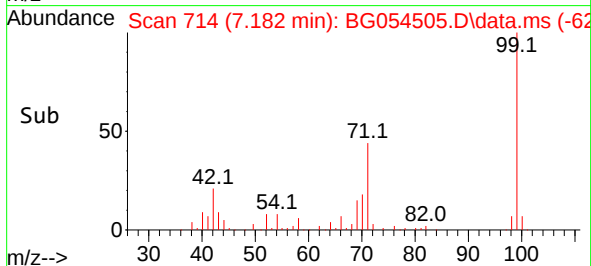
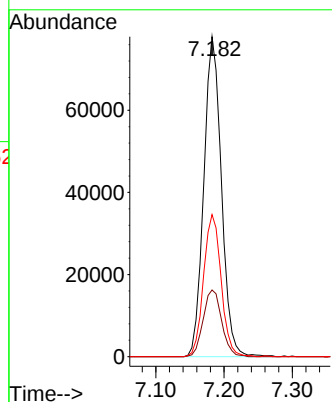
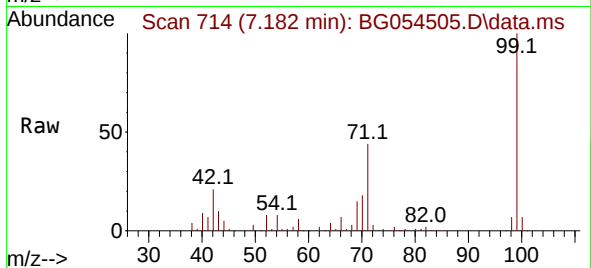
Instrument :

BNA_G

ClientSampleId :

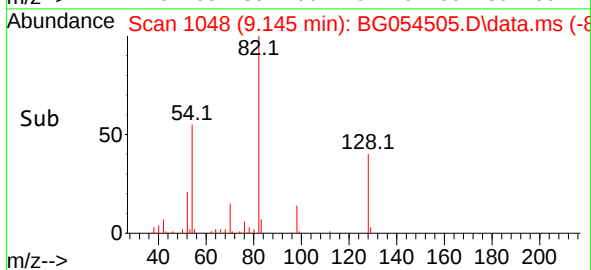
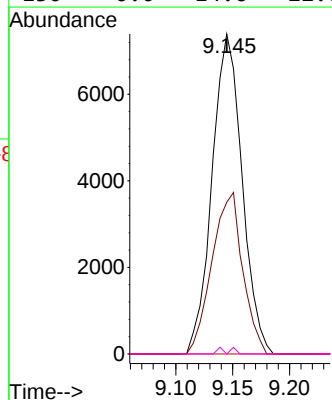
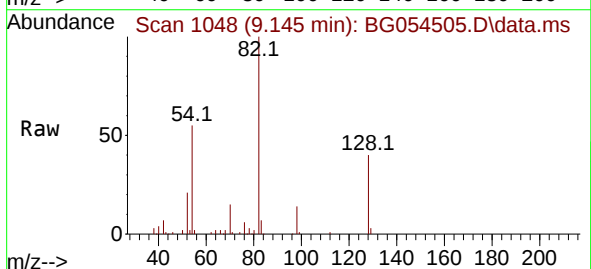
RVE-135

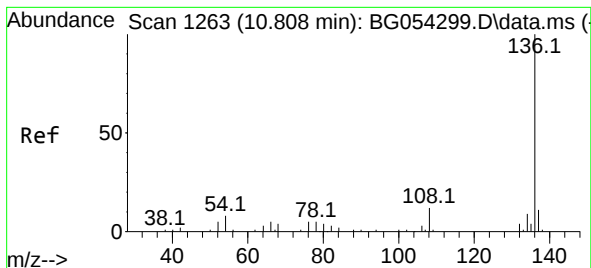
Tgt Ion: 99 Resp: 140172
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 44.4 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.804 ng
RT: 9.145 min Scan# 1048
Delta R.T. 0.351 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion: 70 Resp: 13555
Ion Ratio Lower Upper
70 100
42 47.4 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# 11

Delta R.T. -0.007 min

Lab File: BG054505.D

Acq: 3 Aug 2022 18:48

Instrument :

BNA_G

ClientSampleId :

RVE-135

Tgt Ion:136 Resp: 75407

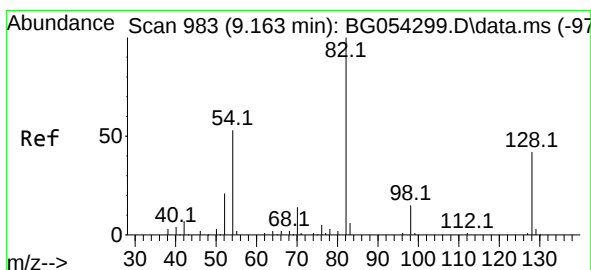
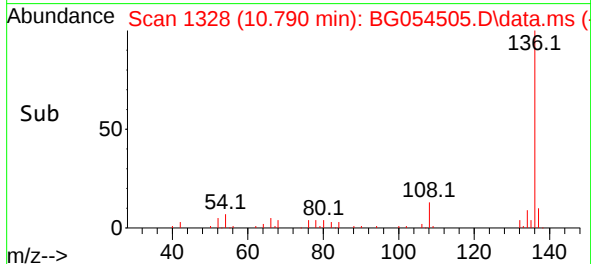
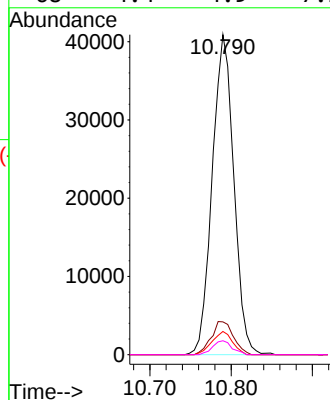
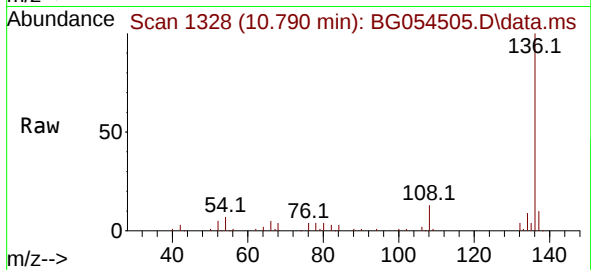
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 7.2 7.4 11.2#

68 4.4 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 68.977 ng

RT: 9.145 min Scan# 1048

Delta R.T. -0.007 min

Lab File: BG054505.D

Acq: 3 Aug 2022 18:48

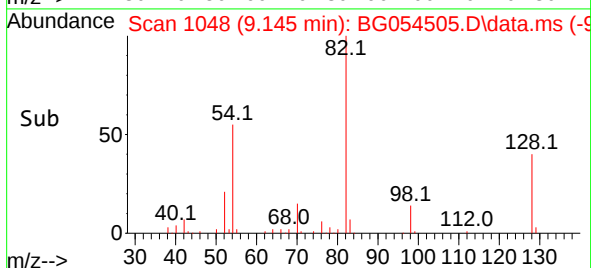
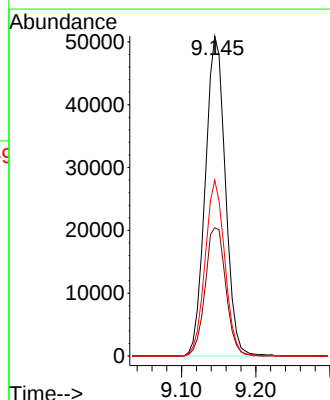
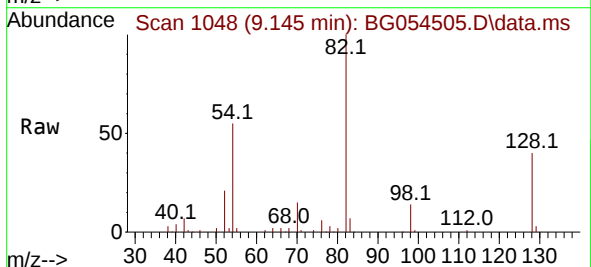
Tgt Ion: 82 Resp: 95513

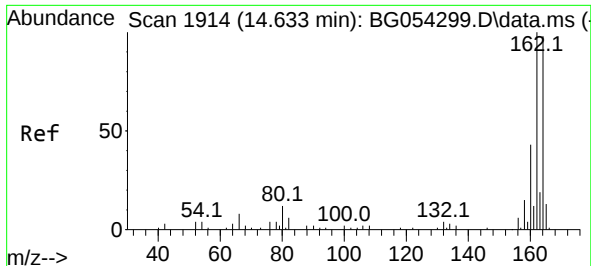
Ion Ratio Lower Upper

82 100

128 40.0 27.9 41.9

54 54.9 41.2 61.8

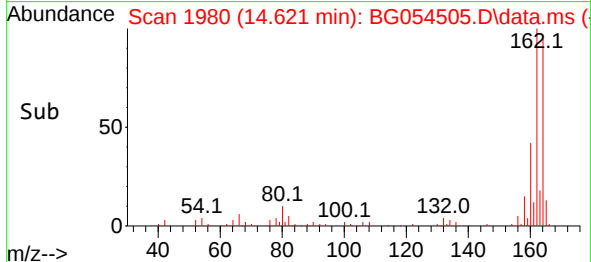
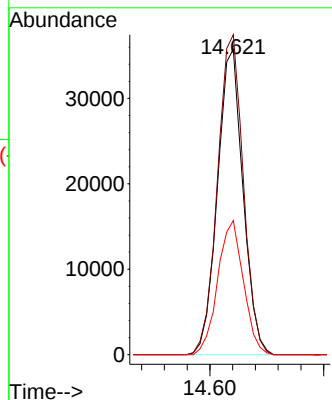
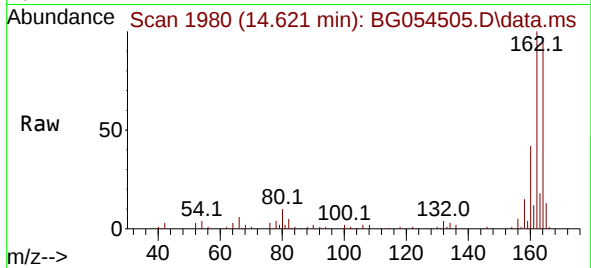




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.621 min Scan# 1914
Delta R.T. -0.001 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

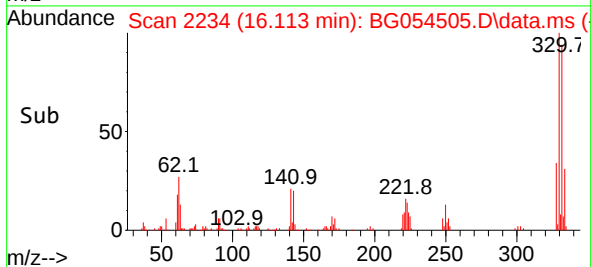
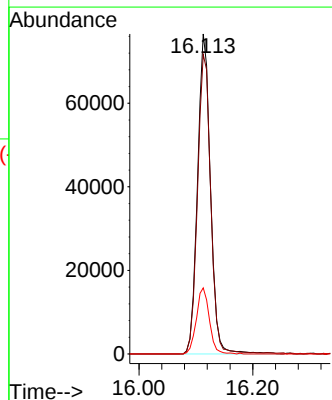
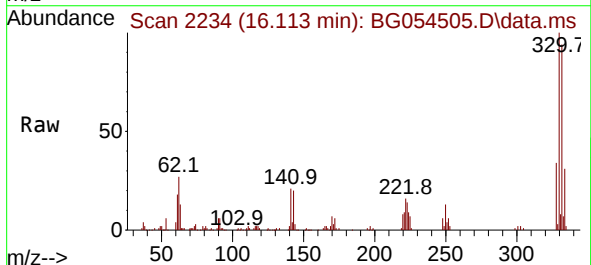
Instrument :
BNA_G
ClientSampleId :
RVE-135

Tgt Ion:164 Resp: 55788
Ion Ratio Lower Upper
164 100
162 104.8 82.3 123.5
160 43.9 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 103.373 ng
RT: 16.113 min Scan# 2234
Delta R.T. -0.001 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion:330 Resp: 121085
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 20.7 27.1 40.7#

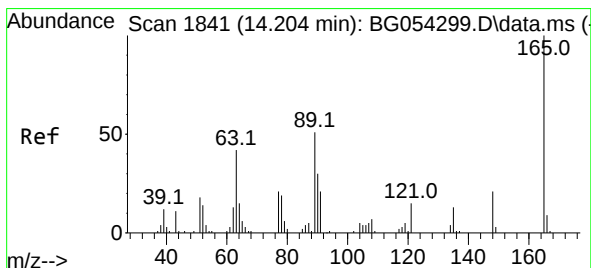
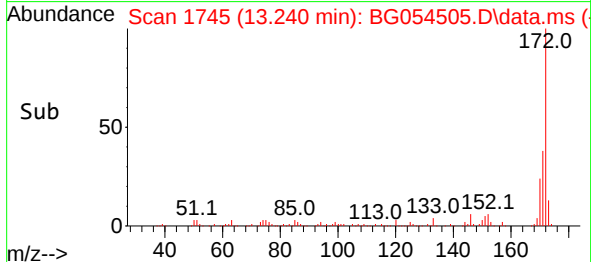
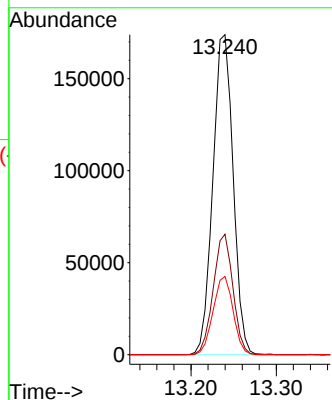
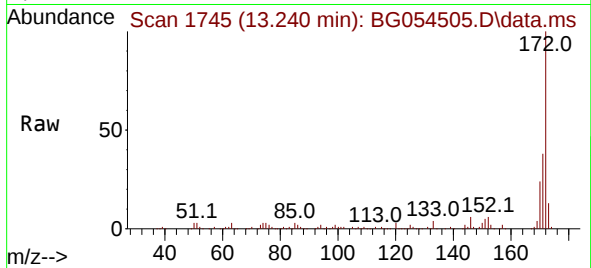




#45
2-Fluorobiphenyl
Concen: 72.533 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

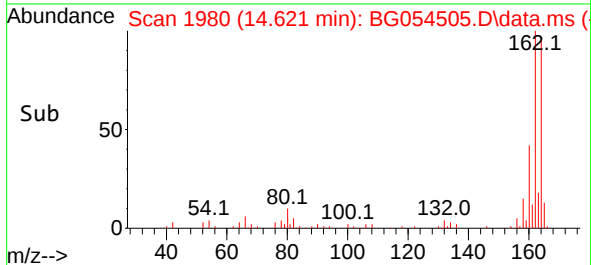
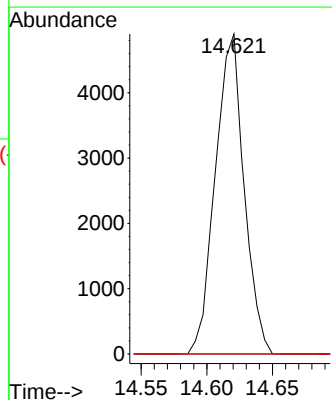
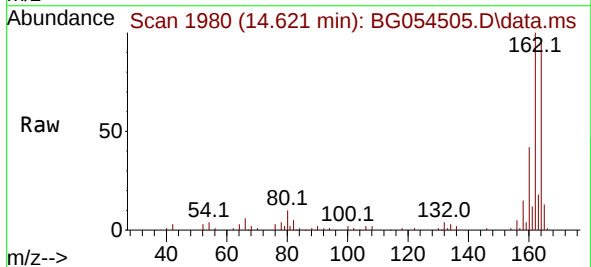
Instrument :
BNA_G
ClientSampleId :
RVE-135

Tgt Ion:172 Resp: 286844
Ion Ratio Lower Upper
172 100
171 37.6 28.5 42.7
170 24.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 7.806 ng
RT: 14.621 min Scan# 1980
Delta R.T. 0.422 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion:165 Resp: 7461
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

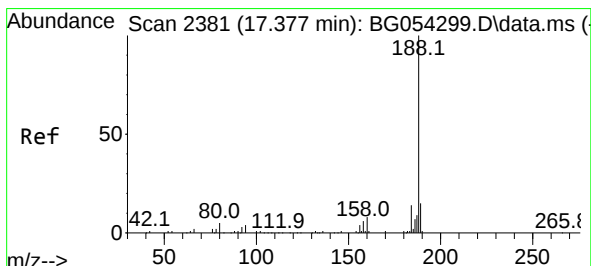
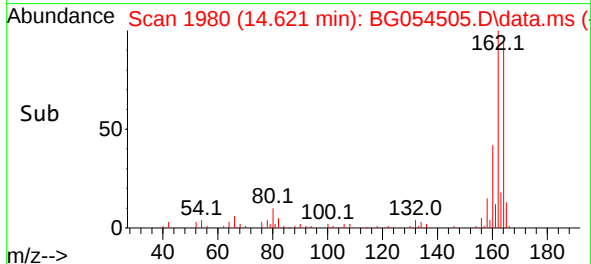
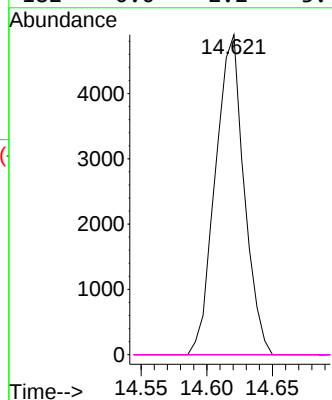
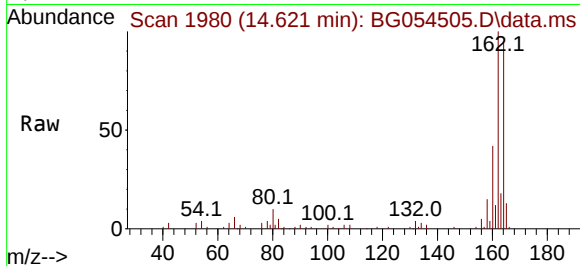




#57
2,4-Dinitrotoluene
Concen: 5.445 ng
RT: 14.621 min Scan# 14
Delta R.T. -0.371 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

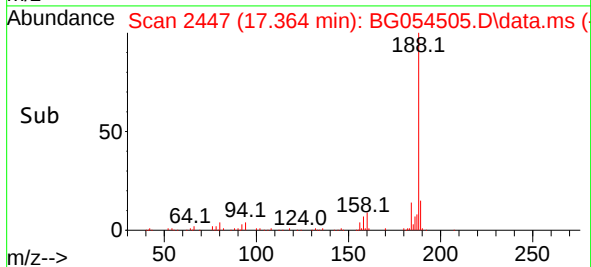
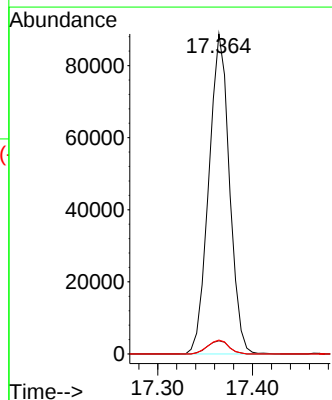
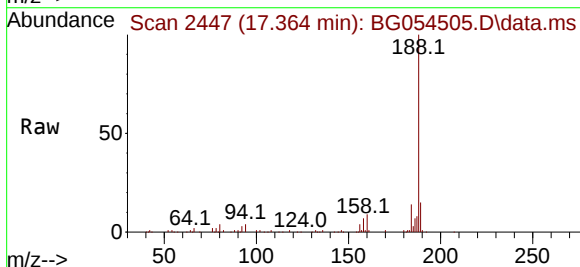
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ClientSampleId :
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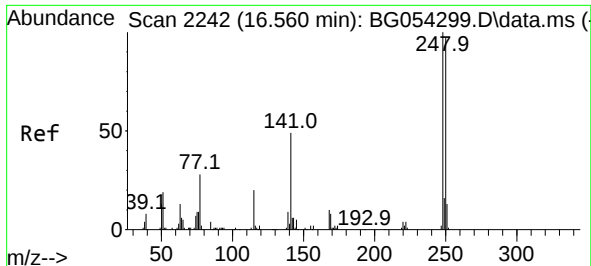
Tgt Ion:165 Resp: 7461
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.364 min Scan# 2447
Delta R.T. -0.007 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion:188 Resp: 134073
Ion Ratio Lower Upper
188 100
94 4.1 5.4 8.0#
80 4.4 6.8 10.2#

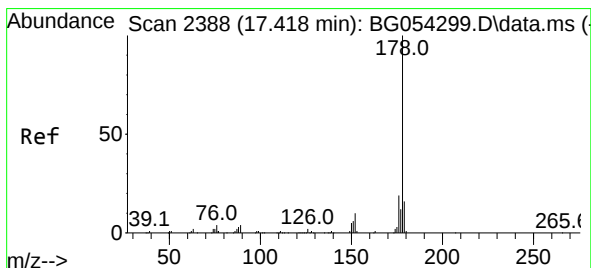
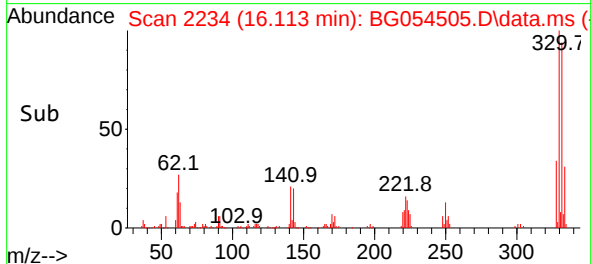
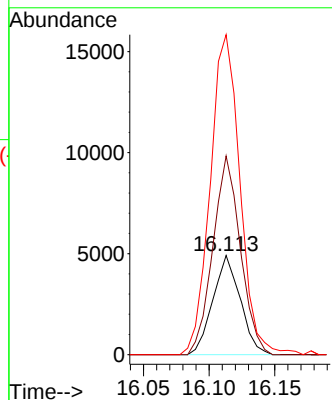
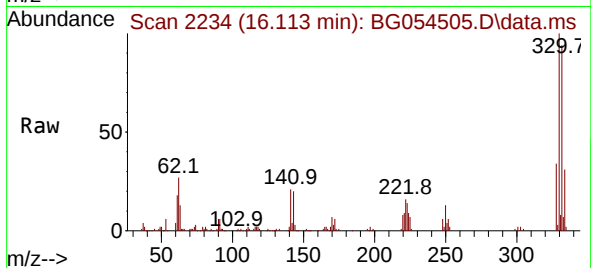




#67
4-Bromophenyl-phenylether
Concen: 3.787 ng
RT: 16.113 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

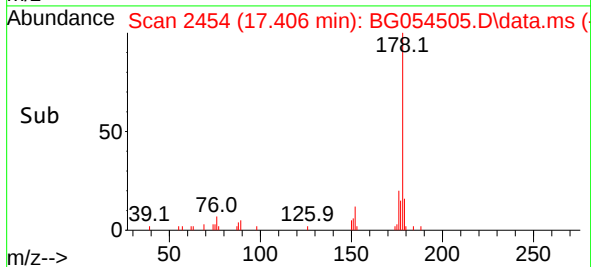
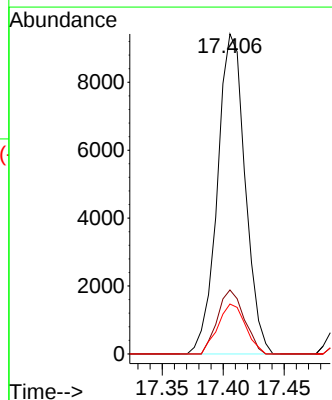
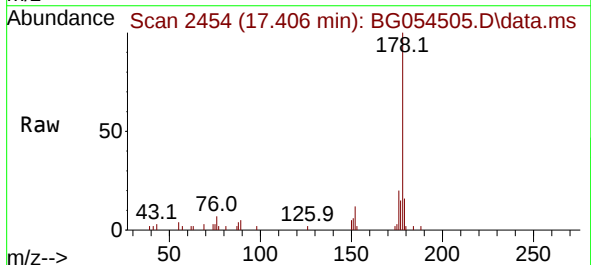
Instrument :
BNA_G
ClientSampleId :
RVE-135

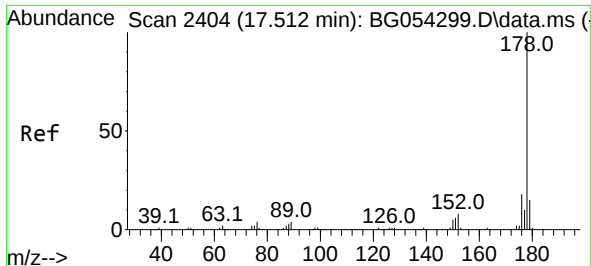
Tgt Ion:248 Resp: 7131
Ion Ratio Lower Upper
248 100
250 200.3 75.2 112.8#
141 322.6 50.0 75.0#



#71
Phenanthrene
Concen: 2.231 ng
RT: 17.406 min Scan# 2454
Delta R.T. -0.007 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

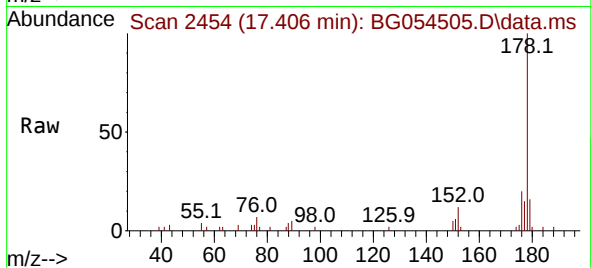
Tgt Ion:178 Resp: 14897
Ion Ratio Lower Upper
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176 20.0 14.1 21.1
179 15.6 12.1 18.1





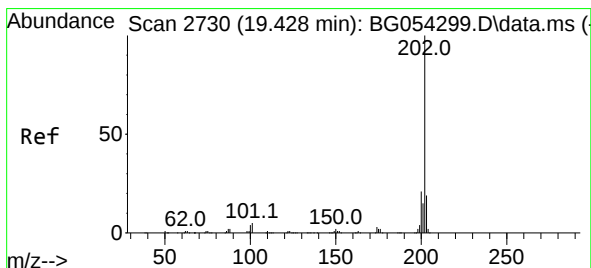
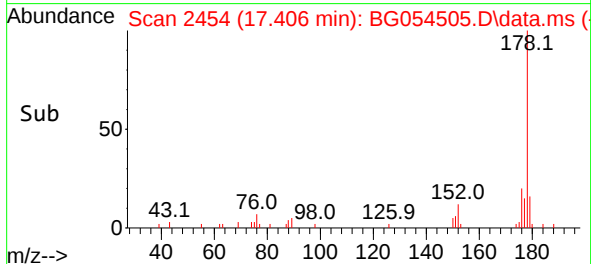
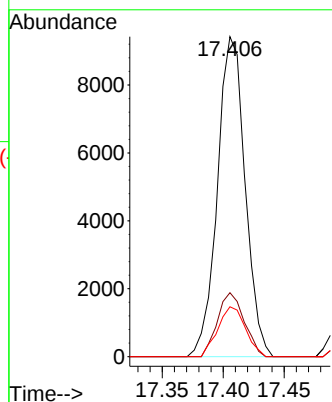
#72
 Anthracene
 Concen: 2.274 ng
 RT: 17.406 min Scan# 2404
 Delta R.T. -0.095 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

Instrument :
 BNA_G
 ClientSampleId :
 RVE-135



Tgt Ion:178 Resp: 14897

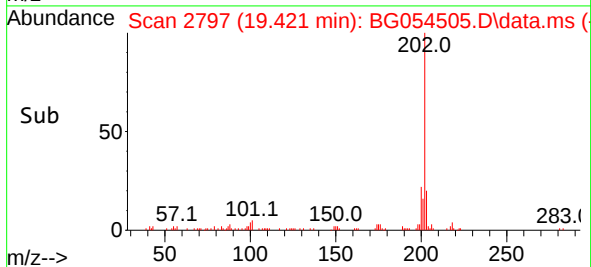
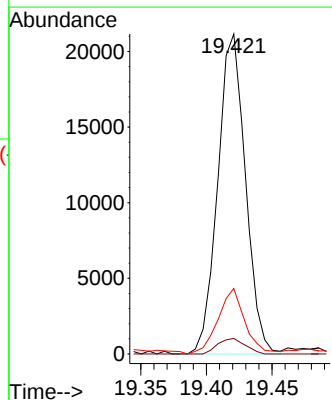
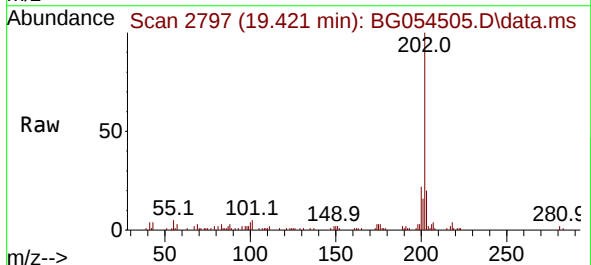
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.2	22.8
179	15.6	13.0	19.4

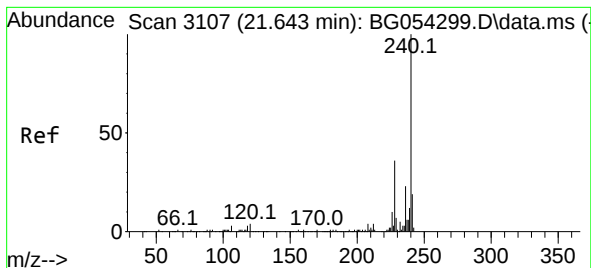


#75
 Fluoranthene
 Concen: 3.413 ng
 RT: 19.421 min Scan# 2797
 Delta R.T. -0.001 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

Tgt Ion:202 Resp: 31067

Ion	Ratio	Lower	Upper
202	100		
101	4.9	0.0	26.9
203	20.4	0.0	37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.630 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG054505.D

Acq: 3 Aug 2022 18:48

Instrument :

BNA_G

ClientSampleId :

RVE-135

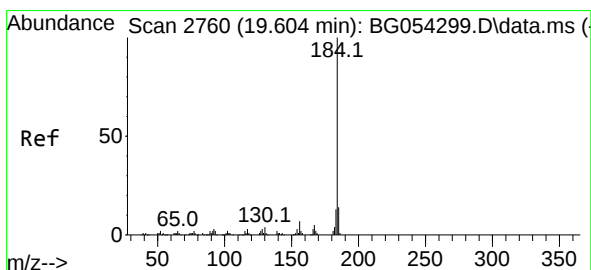
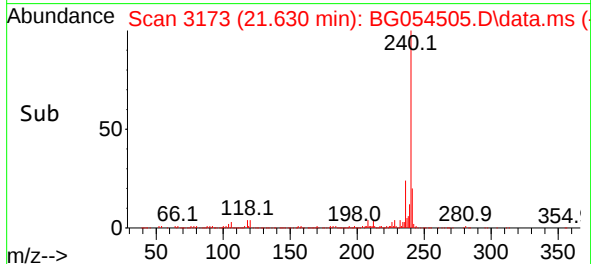
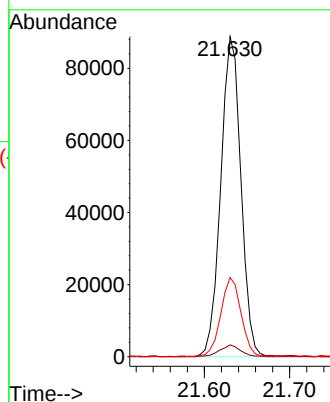
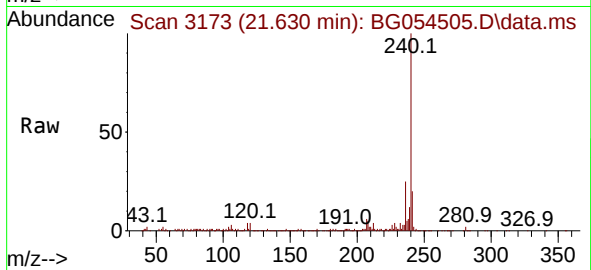
Tgt Ion:240 Resp: 145675

Ion Ratio Lower Upper

240 100

120 3.7 4.6 7.0#

236 24.8 20.2 30.4



#77

Benzidine

Concen: 2.742 ng

RT: 19.973 min Scan# 2891

Delta R.T. 0.375 min

Lab File: BG054505.D

Acq: 3 Aug 2022 18:48

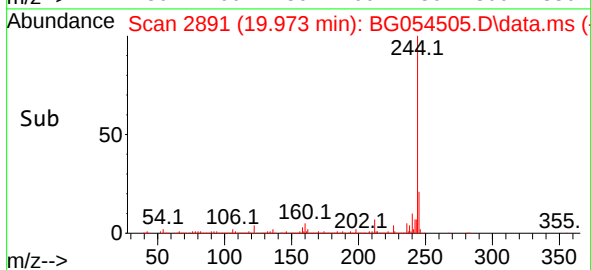
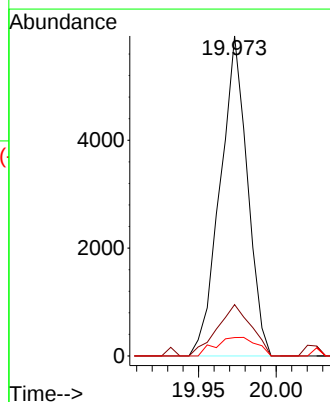
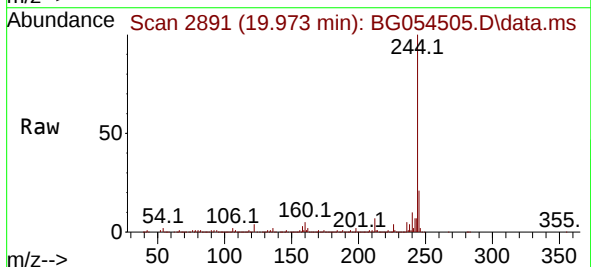
Tgt Ion:184 Resp: 7235

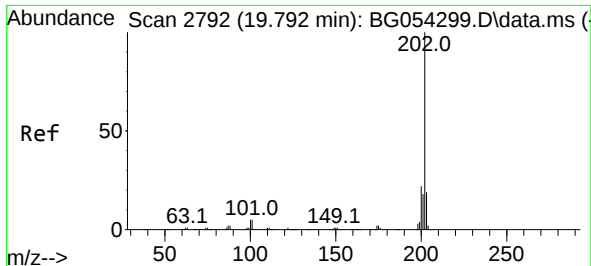
Ion Ratio Lower Upper

184 100

185 16.1 11.8 17.6

183 5.7 8.9 13.3#

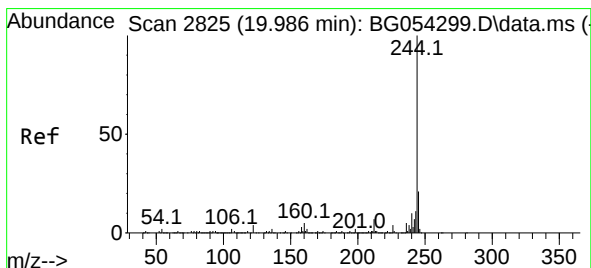
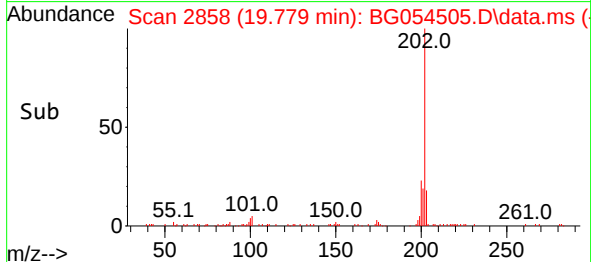
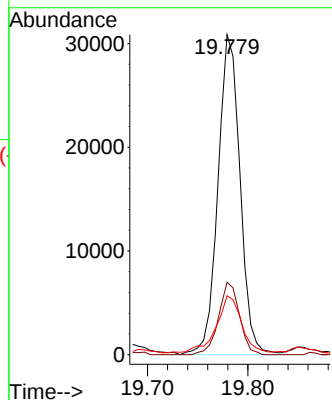
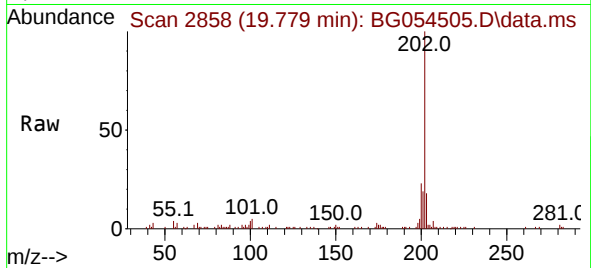




#78
 Pyrene
 Concen: 5.635 ng
 RT: 19.779 min Scan# 2858
 Delta R.T. -0.007 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

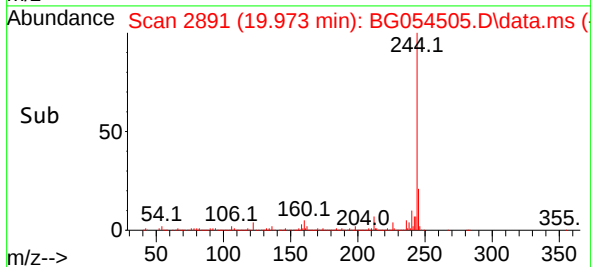
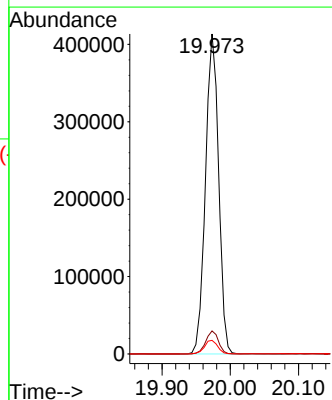
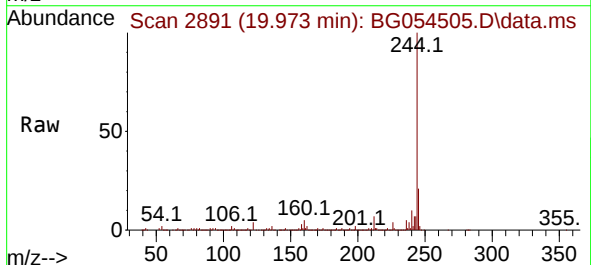
Instrument :
 BNA_G
 ClientSampleId :
 RVE-135

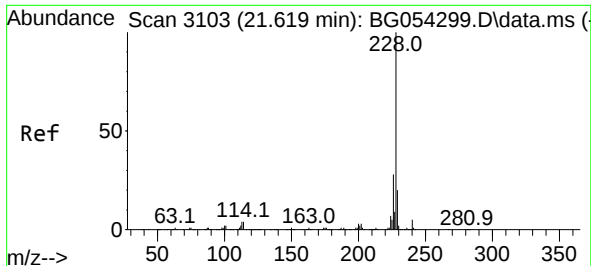
Tgt Ion:202 Resp: 47100
 Ion Ratio Lower Upper
 202 100
 200 22.6 16.6 24.8
 203 18.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 75.423 ng
 RT: 19.973 min Scan# 2891
 Delta R.T. -0.007 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

Tgt Ion:244 Resp: 553847
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.2 5.0 7.4#

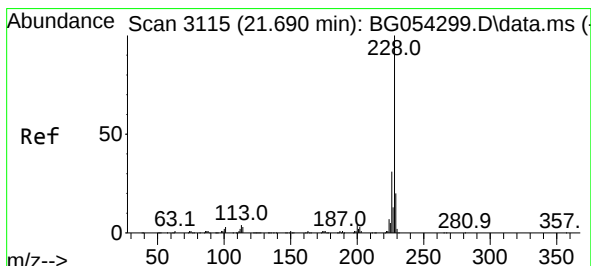
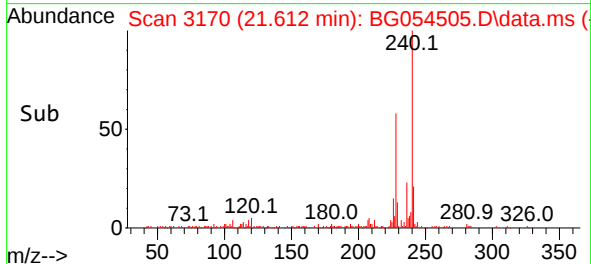
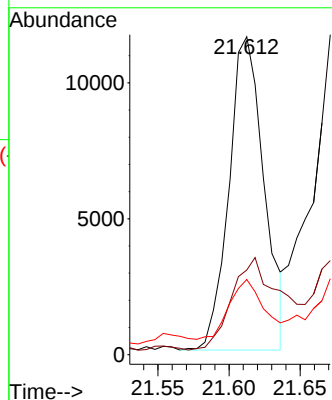
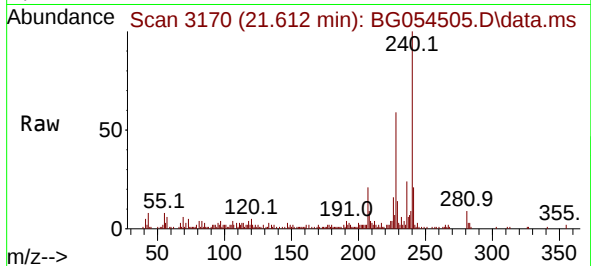




#81
Benzo(a)anthracene
Concen: 2.148 ng
RT: 21.612 min Scan# 3103
Delta R.T. -0.001 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

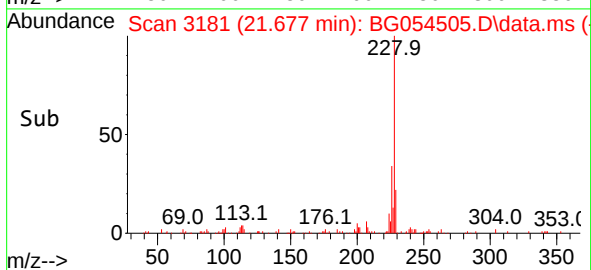
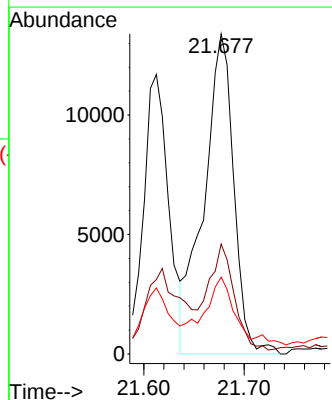
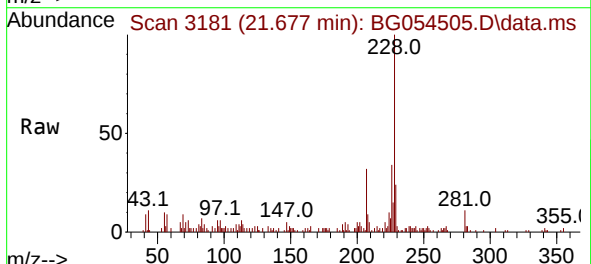
Instrument :
BNA_G
ClientSampleId :
RVE-135

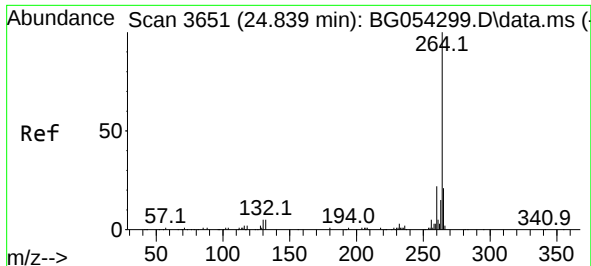
Tgt Ion:228 Resp: 19859
Ion Ratio Lower Upper
228 100
226 26.6 21.6 32.4
229 23.6 16.2 24.2



#83
Chrysene
Concen: 3.185 ng
RT: 21.677 min Scan# 3181
Delta R.T. -0.007 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

Tgt Ion:228 Resp: 27830
Ion Ratio Lower Upper
228 100
226 34.3 23.4 35.2
229 24.0 15.5 23.3#

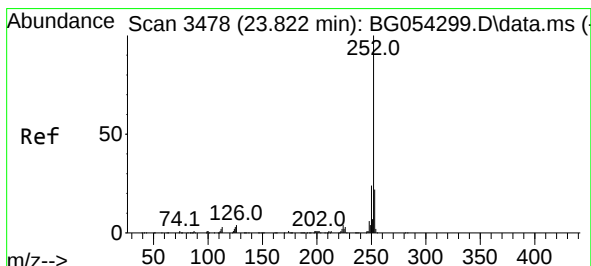
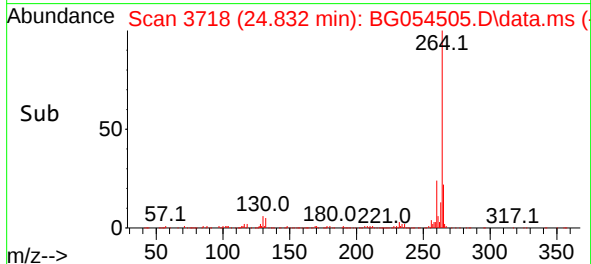
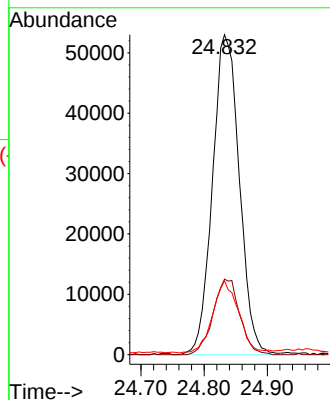
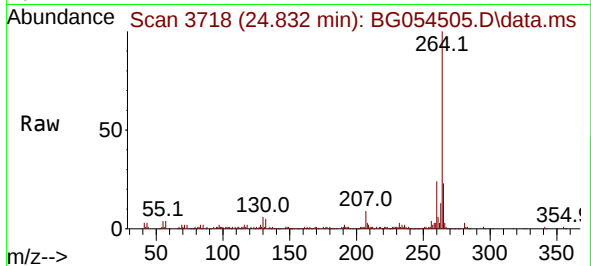




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.832 min Scan# 31
 Delta R.T. -0.001 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

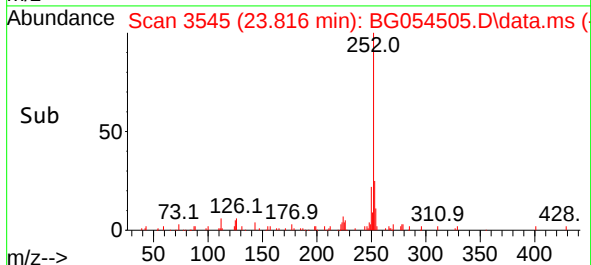
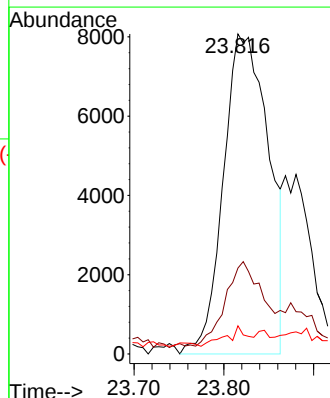
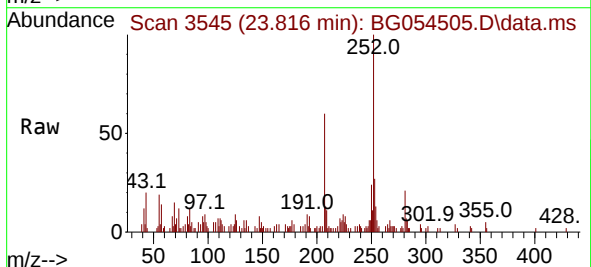
Instrument :
 BNA_G
 ClientSampleId :
 RVE-135

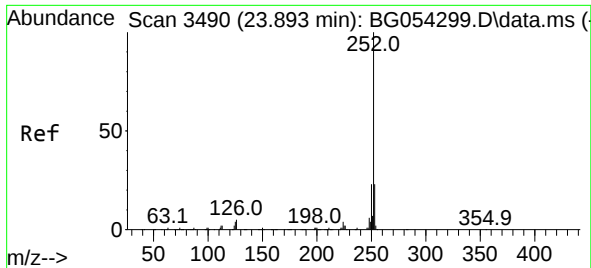
Tgt Ion:264 Resp: 156214
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 23.1 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.071 ng
 RT: 23.816 min Scan# 3545
 Delta R.T. -0.007 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

Tgt Ion:252 Resp: 28367
 Ion Ratio Lower Upper
 252 100
 253 26.9 18.0 27.0
 125 8.8 4.6 6.8#

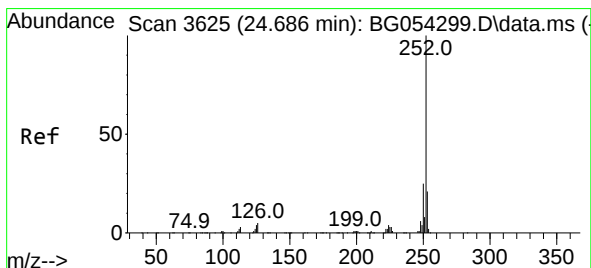
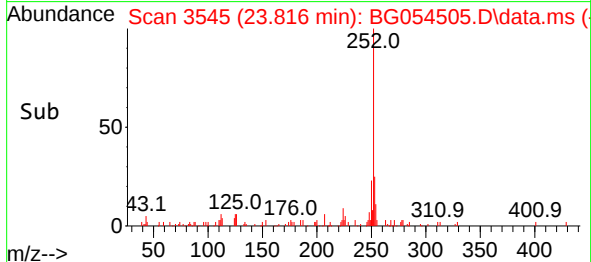
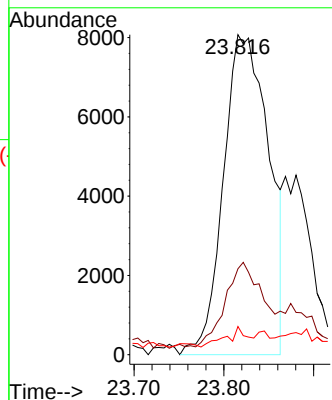
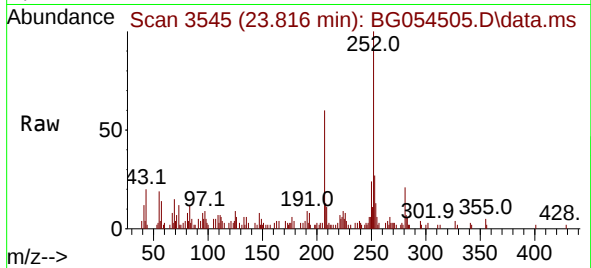




#89
Benzo(k)fluoranthene
Concen: 3.085 ng
RT: 23.816 min Scan# 31
Delta R.T. -0.072 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

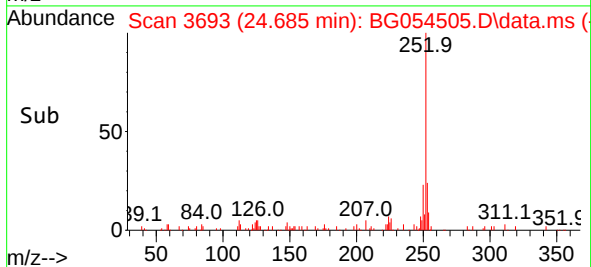
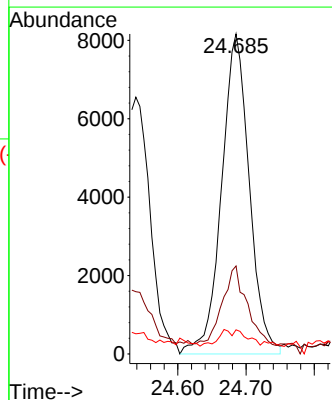
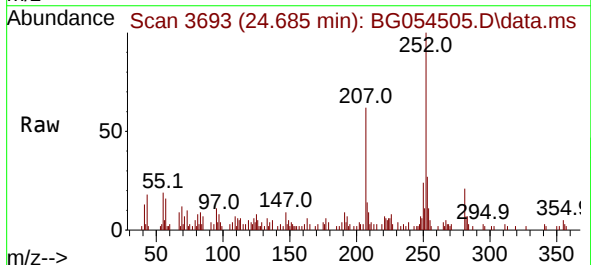
Instrument :
BNA_G
ClientSampleId :
RVE-135

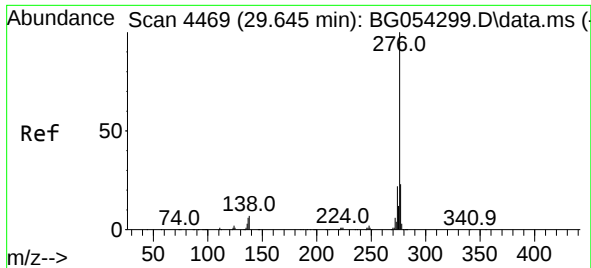
Tgt Ion:252 Resp: 28367
Ion Ratio Lower Upper
252 100
253 26.9 18.4 27.6
125 8.8 4.8 7.2#



#90
Benzo(a)pyrene
Concen: 2.927 ng
RT: 24.685 min Scan# 3693
Delta R.T. -0.001 min
Lab File: BG054505.D
Acq: 3 Aug 2022 18:48

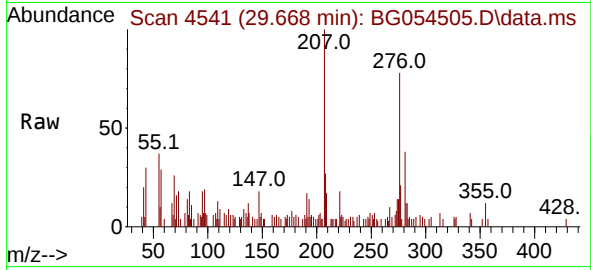
Tgt Ion:252 Resp: 23094
Ion Ratio Lower Upper
252 100
253 27.5 17.8 26.8#
125 7.6 4.3 6.5#





#92
 Benzo(g,h,i)perylene
 Concen: 2.091 ng
 RT: 29.668 min Scan# 4
 Delta R.T. 0.005 min
 Lab File: BG054505.D
 Acq: 3 Aug 2022 18:48

Instrument :
 BNA_G
 ClientSampleId :
 RVE-135



Tgt Ion:276 Resp: 20165
 Ion Ratio Lower Upper
 276 100
 277 26.2 17.3 25.9#
 138 8.3 9.6 14.4#

