

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054471.D
 Acq On : 1 Aug 2022 19:25
 Operator : CG/JU
 Sample : N3896-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-63

Quant Time: Aug 02 05:46:34 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)

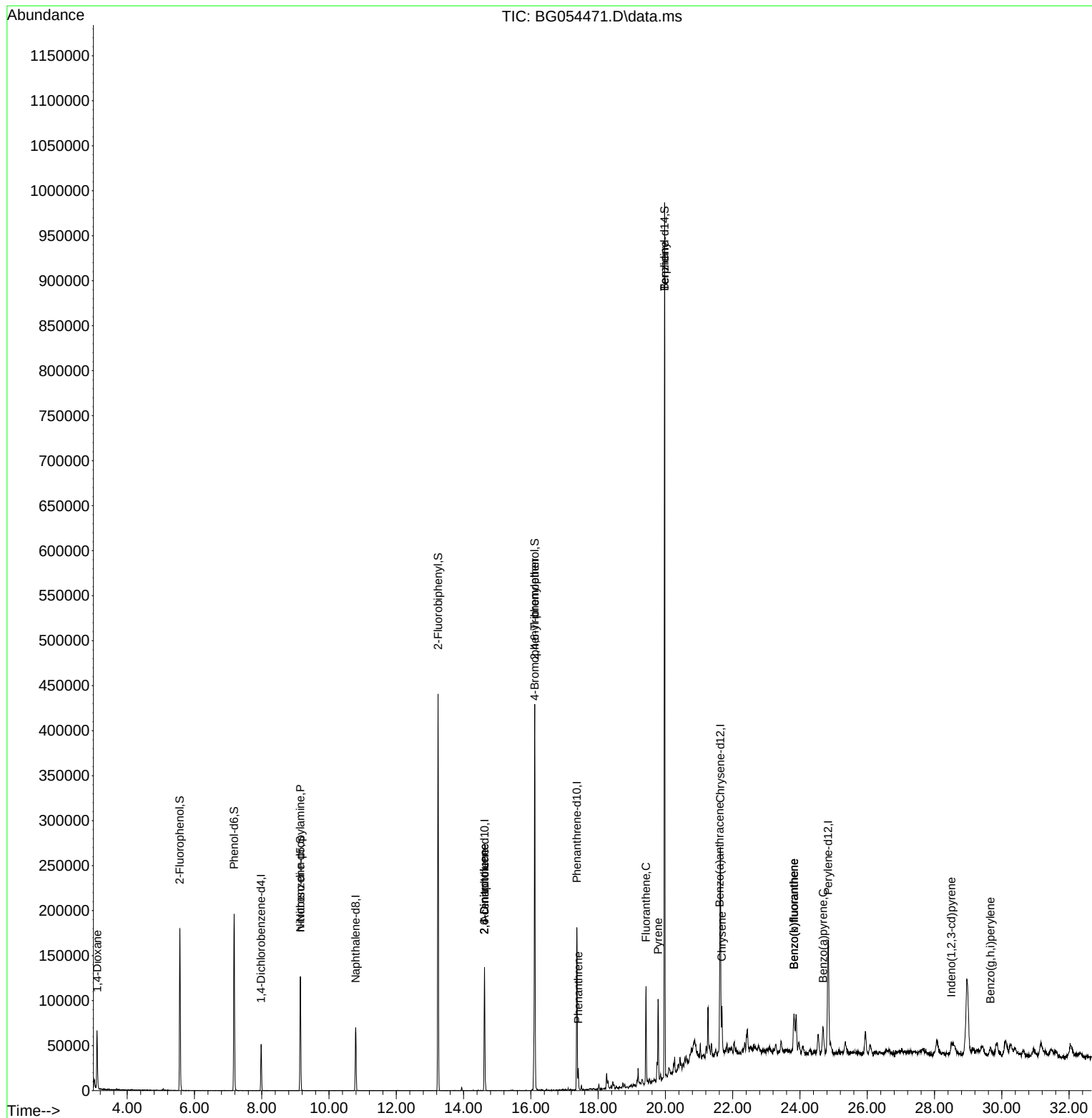
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.977	152	16600	20.000	ng	-0.01
21) Naphthalene-d8	10.791	136	65376	20.000	ng	# 0.00
39) Acenaphthene-d10	14.622	164	54062	20.000	ng	0.00
64) Phenanthrene-d10	17.366	188	132679	20.000	ng	# 0.00
76) Chrysene-d12	21.632	240	145210	20.000	ng	# 0.00
86) Perylene-d12	24.834	264	156613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.562	112	83300	104.772	ng	0.00
7) Phenol-d6	7.178	99	112900	103.632	ng	0.00
23) Nitrobenzene-d5	9.146	82	77430	64.498	ng	0.00
42) 2,4,6-Tribromophenol	16.114	330	114173	100.584	ng	0.00
45) 2-Fluorobiphenyl	13.241	172	251916	65.735	ng	0.00
79) Terphenyl-d14	19.975	244	529640	72.357	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.106	88	703	2.223	ng	# 1
9) Benzaldehyde	7.178	77	111	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.146	70	10888	14.966	ng	# 82
51) 2,6-Dinitrotoluene	14.616	165	7537	8.137	ng	# 16
57) 2,4-Dinitrotoluene	14.616	165	7537	5.676	ng	# 21
67) 4-Bromophenyl-phenylether	16.109	248	6950	3.730	ng	# 1
71) Phenanthrene	17.407	178	17775	2.690	ng	99
75) Fluoranthene	19.422	202	73673	8.180	ng	97
77) Benzidine	19.975	184	6725	2.557	ng	# 90
78) Pyrene	19.781	202	65562	7.869	ng	99
81) Benzo(a)anthracene	21.614	228	44447	4.822	ng	98
83) Chrysene	21.679	228	42056	4.829	ng	97
87) Indeno(1,2,3-cd)pyrene	28.500	276	25471	2.138	ng	93
88) Benzo(b)fluoranthene	23.823	252	57868	6.248	ng	99
89) Benzo(k)fluoranthene	23.823	252	57868	6.278	ng	99
90) Benzo(a)pyrene	24.687	252	35480	4.486	ng	97
92) Benzo(g,h,i)perylene	29.663	276	23726	2.454	ng	# 89

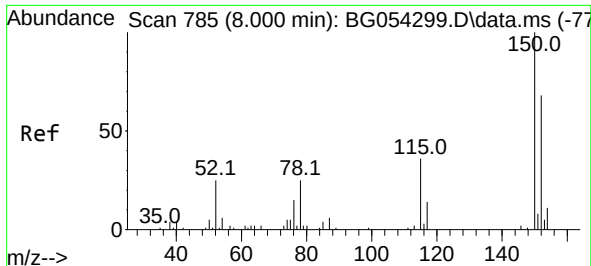
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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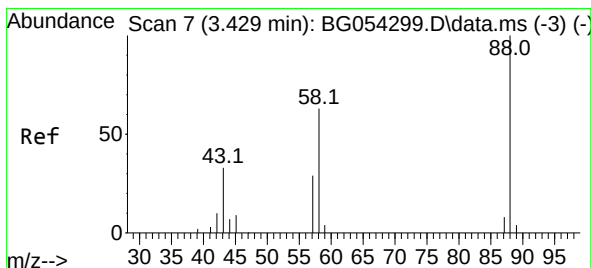
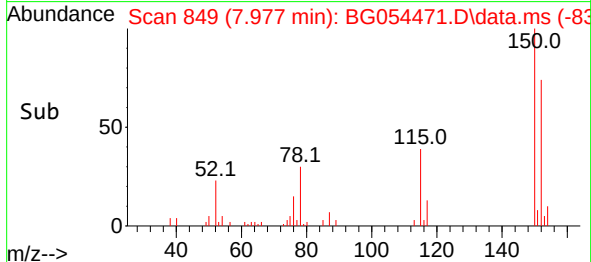
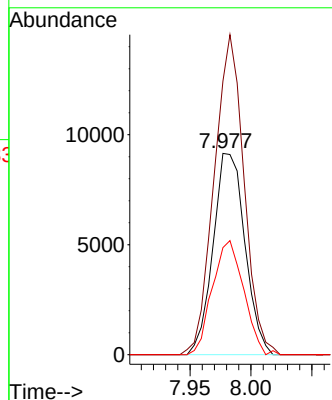
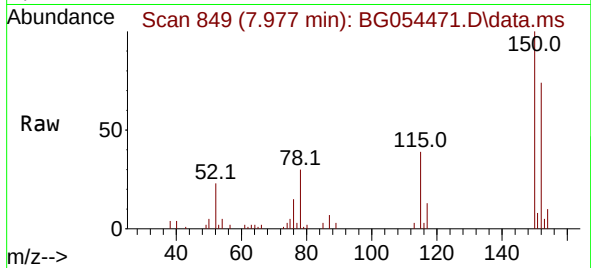




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.977 min Scan# 84
 Delta R.T. -0.011 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

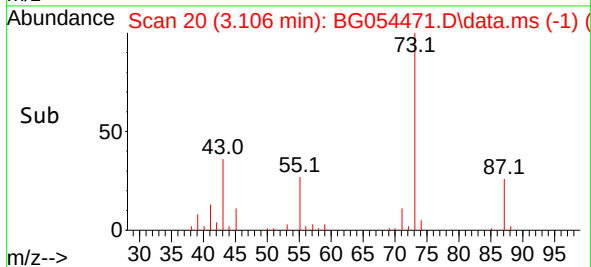
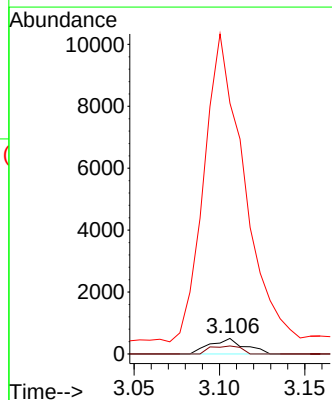
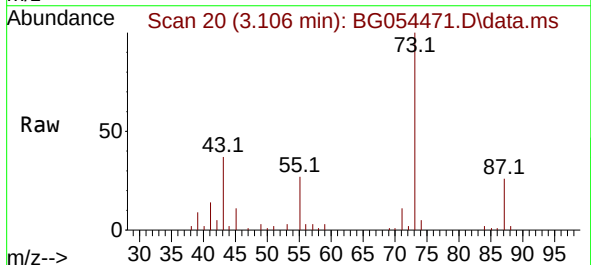
Instrument :
 BNA_G
 ClientSampleId :
 RVE-63

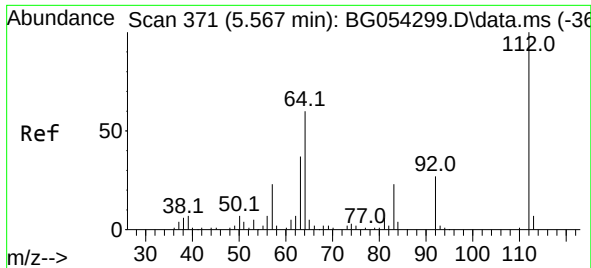
Tgt Ion:152 Resp: 16600
 Ion Ratio Lower Upper
 152 100
 150 135.8 131.6 197.4
 115 53.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.223 ng
 RT: 3.106 min Scan# 20
 Delta R.T. -0.311 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

Tgt Ion: 88 Resp: 703
 Ion Ratio Lower Upper
 88 100
 58 45.8 59.2 88.8#
 43 2421.8 24.3 36.5#

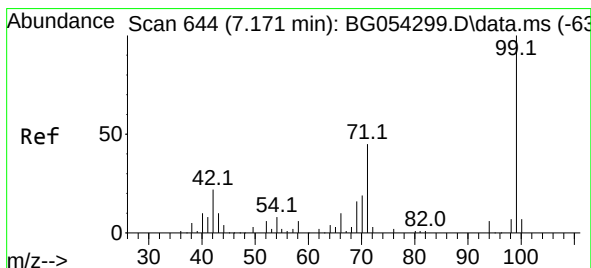
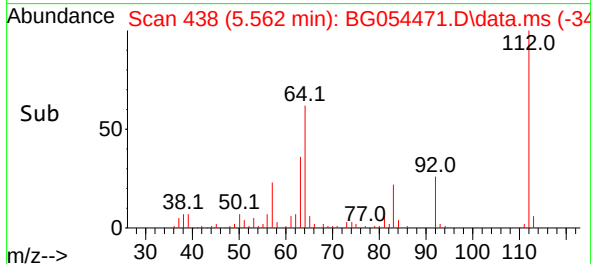
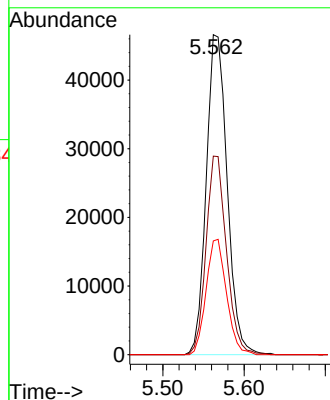
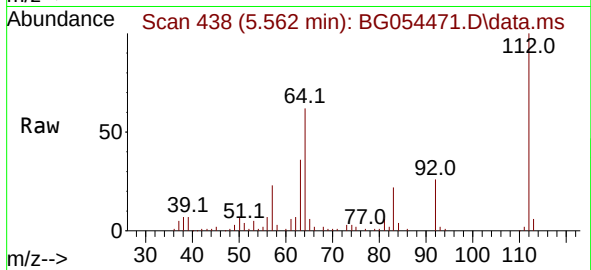




#5
2-Fluorophenol
Concen: 104.772 ng
RT: 5.562 min Scan# 41
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

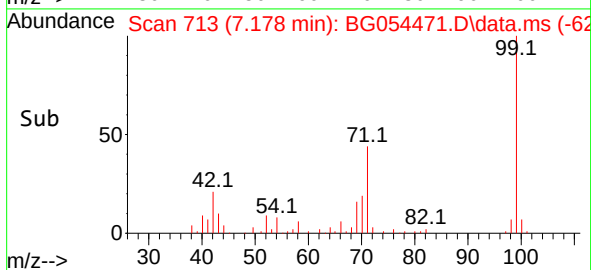
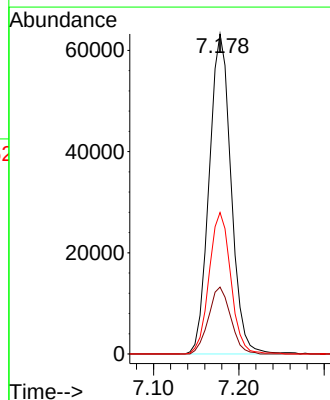
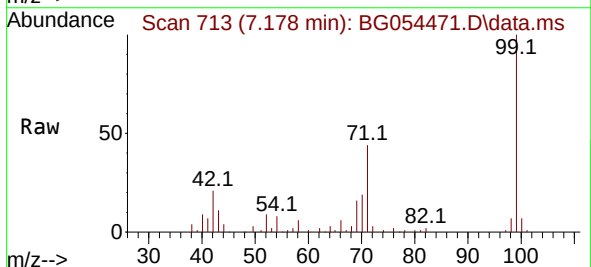
Instrument :
BNA_G
ClientSampleId :
RVE-63

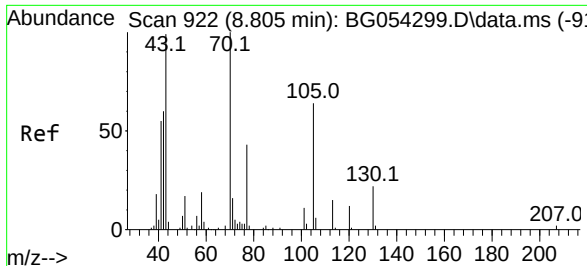
Tgt Ion:112 Resp: 83300
Ion Ratio Lower Upper
112 100
64 62.1 55.1 82.7
63 35.5 30.4 45.6



#7
Phenol-d6
Concen: 103.632 ng
RT: 7.178 min Scan# 713
Delta R.T. 0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion: 99 Resp: 112900
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 44.2 33.8 50.8

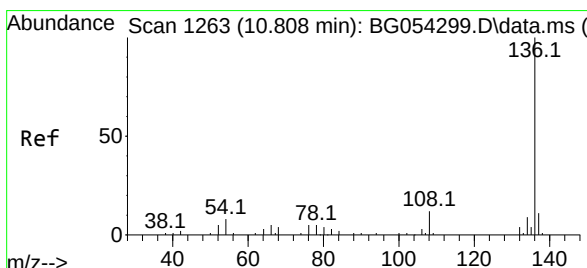
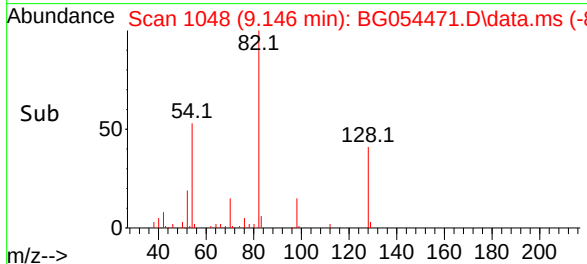
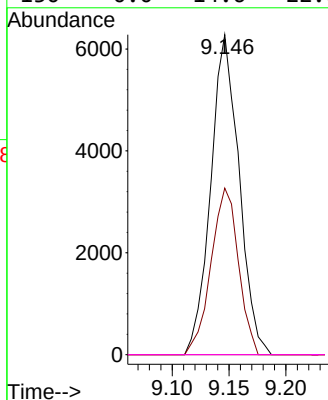
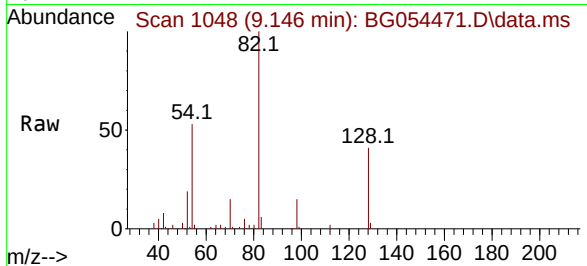




#19
n-Nitroso-di-n-propylamine
Concen: 14.966 ng
RT: 9.146 min Scan# 1048
Delta R.T. 0.353 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

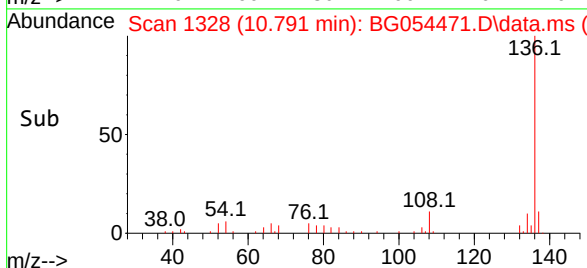
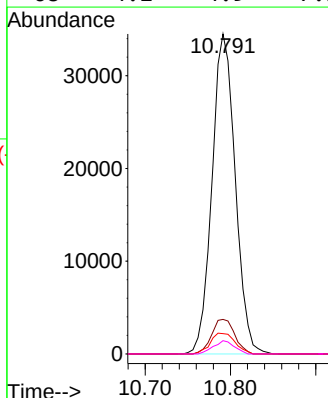
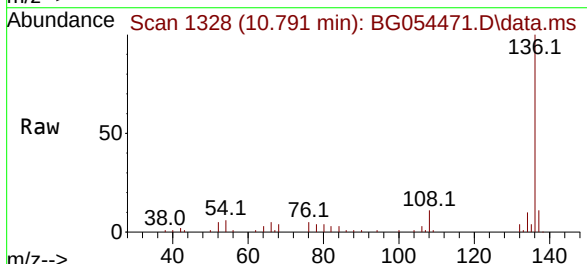
Instrument :
BNA_G
ClientSampleId :
RVE-63

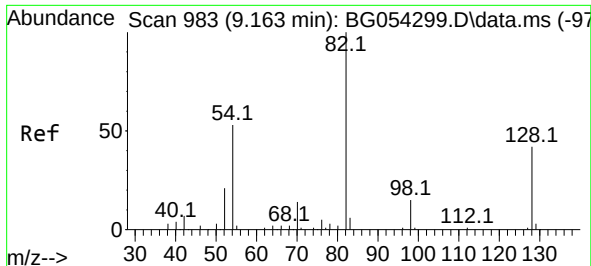
Tgt Ion:	70	Resp:	10888
Ion Ratio	Lower	Upper	
70	100		
42	52.1	47.3	70.9
101	0.0	7.0	10.4#
130	0.0	14.6	22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.791 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:	136	Resp:	65376
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.4	7.4	11.2#
68	4.2	4.9	7.3#

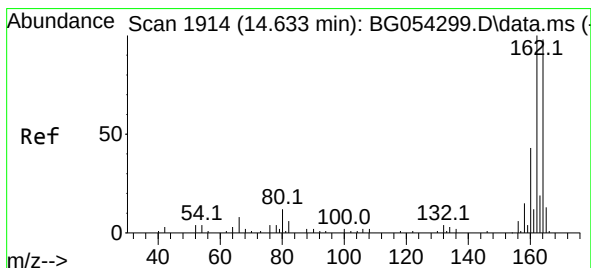
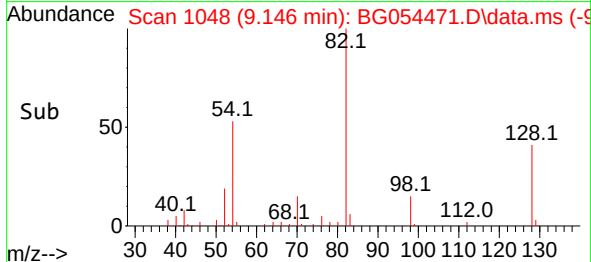
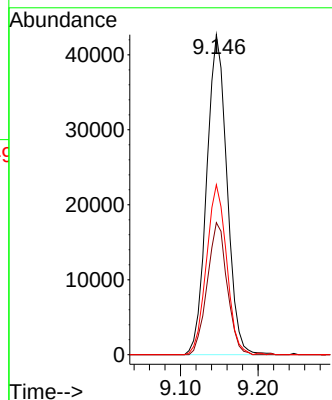
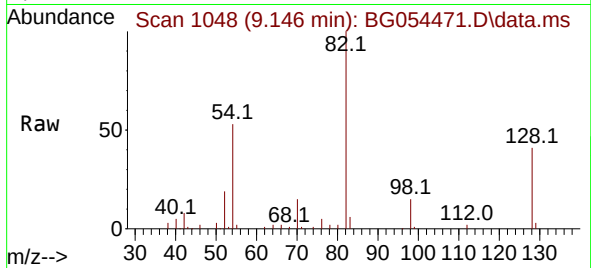




#23
Nitrobenzene-d5
Concen: 64.498 ng
RT: 9.146 min Scan# 110
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

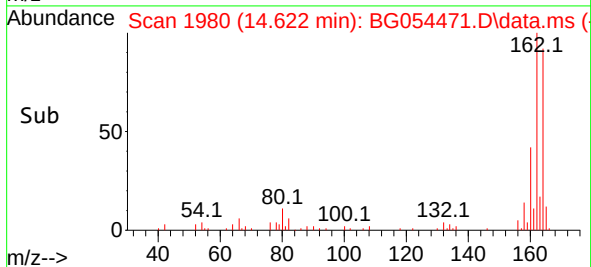
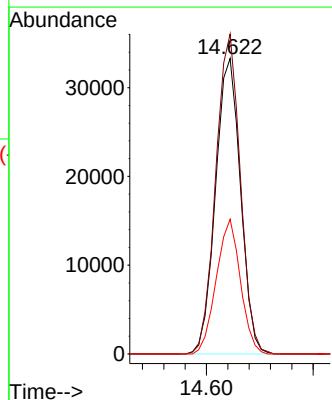
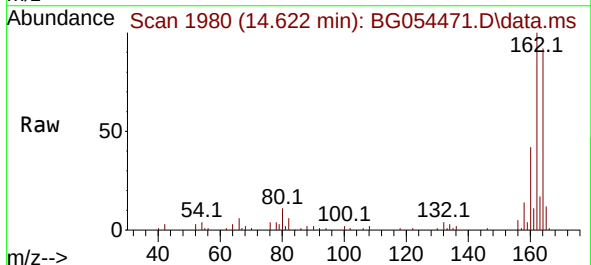
Instrument :
BNA_G
ClientSampleId :
RVE-63

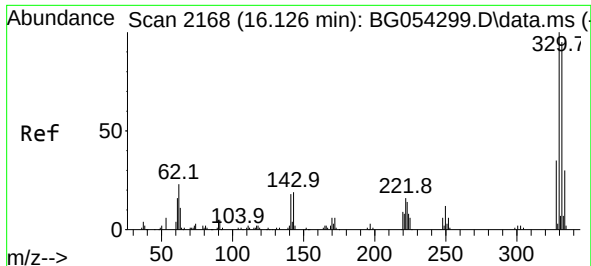
Tgt Ion: 82 Resp: 77430
Ion Ratio Lower Upper
82 100
128 41.2 27.9 41.9
54 53.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:164 Resp: 54062
Ion Ratio Lower Upper
164 100
162 108.3 82.3 123.5
160 45.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 100.584 ng

RT: 16.114 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG054471.D

Acq: 1 Aug 2022 19:25

Instrument :

BNA_G

ClientSampleId :

RVE-63

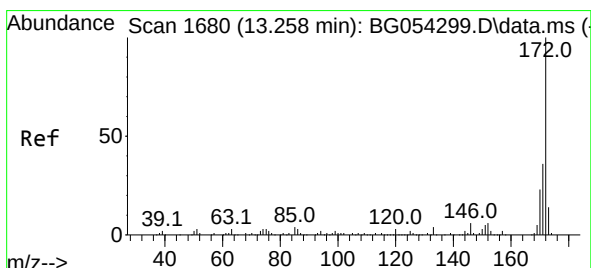
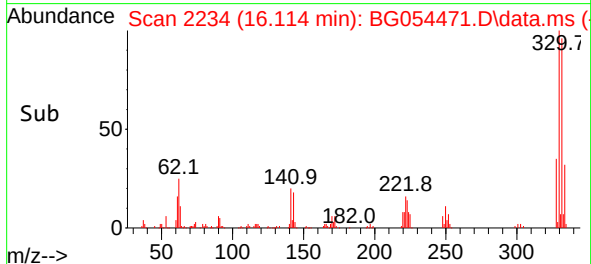
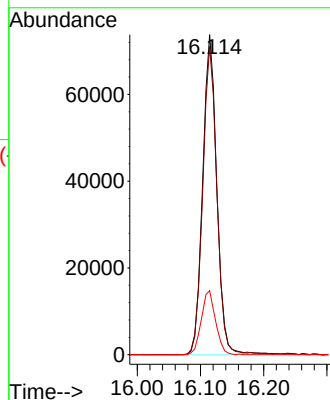
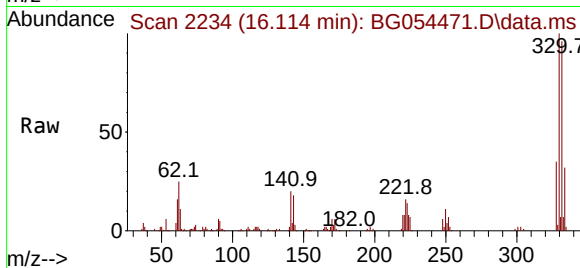
Tgt Ion:330 Resp: 114173

Ion Ratio Lower Upper

330 100

332 95.7 76.0 114.0

141 20.2 27.1 40.7#



#45

2-Fluorobiphenyl

Concen: 65.735 ng

RT: 13.241 min Scan# 1745

Delta R.T. -0.006 min

Lab File: BG054471.D

Acq: 1 Aug 2022 19:25

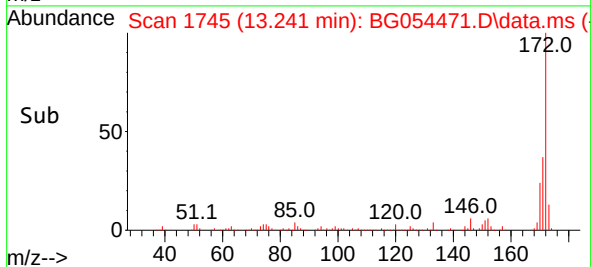
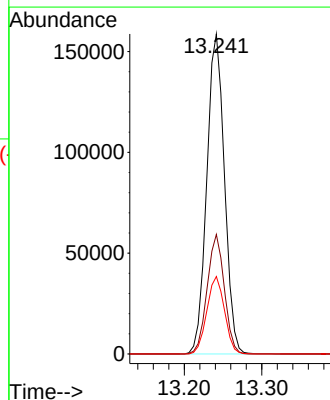
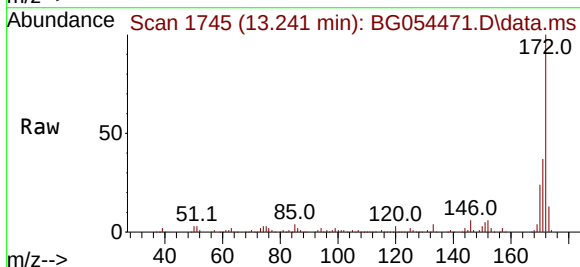
Tgt Ion:172 Resp: 251916

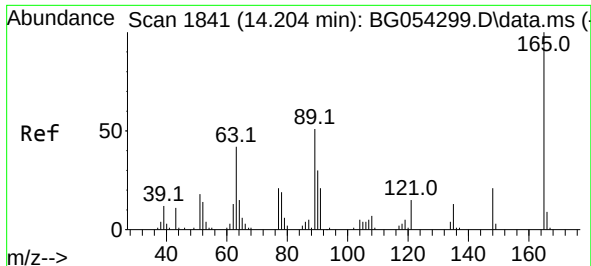
Ion Ratio Lower Upper

172 100

171 37.3 28.5 42.7

170 24.2 18.9 28.3

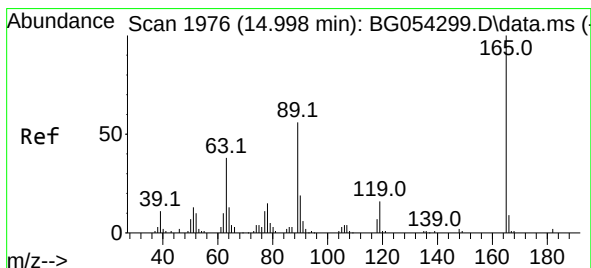
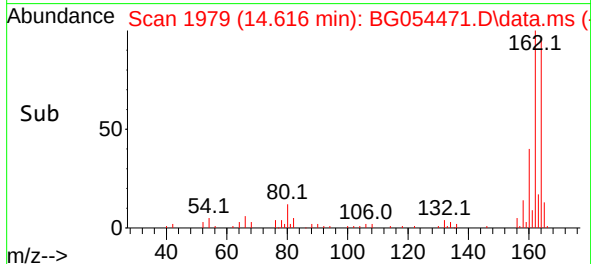
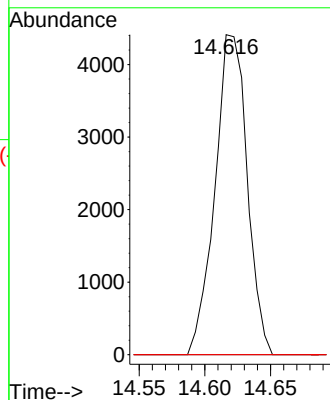
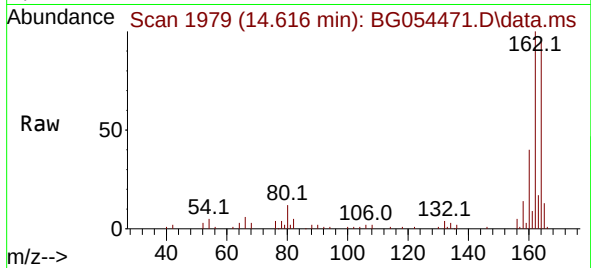




#51
2,6-Dinitrotoluene
Concen: 8.137 ng
RT: 14.616 min Scan# 1979
Delta R.T. 0.418 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

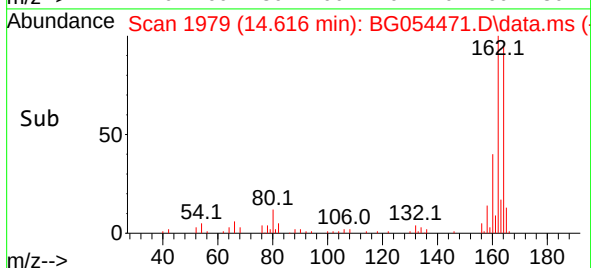
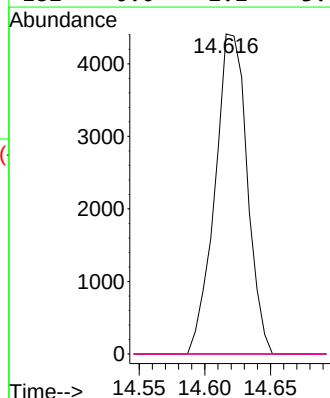
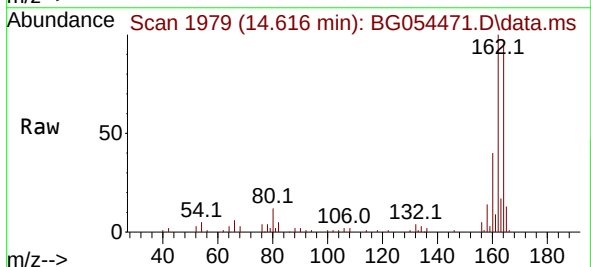
Instrument :
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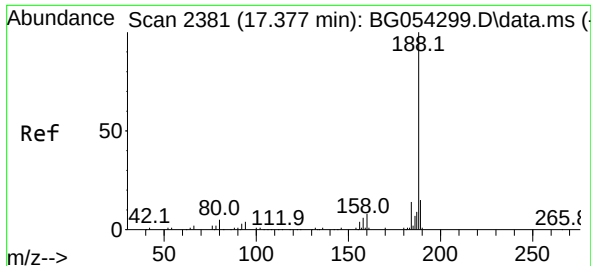
Tgt Ion:165 Resp: 7537
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.676 ng
RT: 14.616 min Scan# 1979
Delta R.T. -0.376 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:165 Resp: 7537
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#

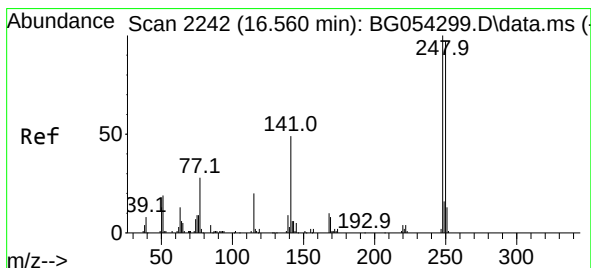
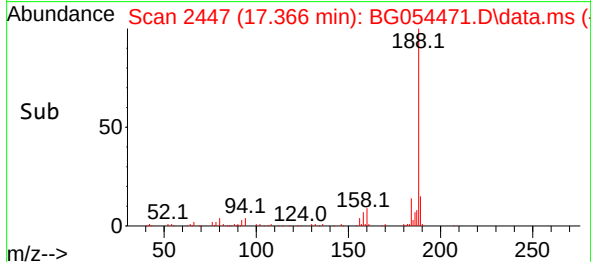
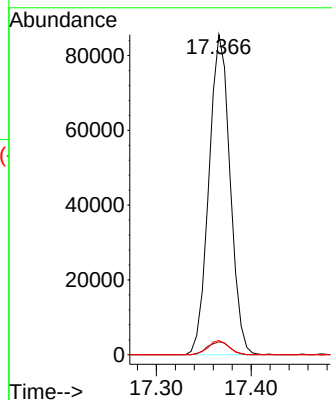
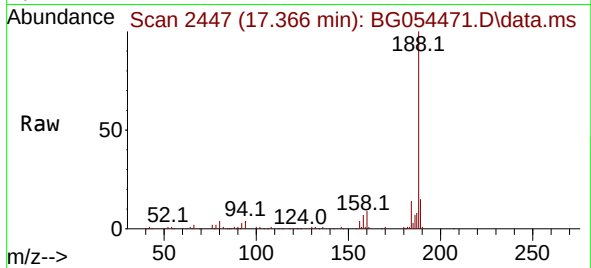




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

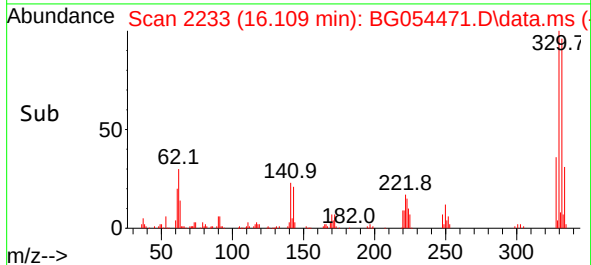
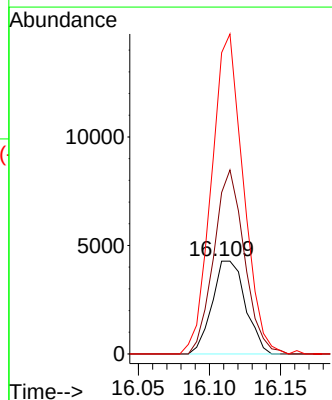
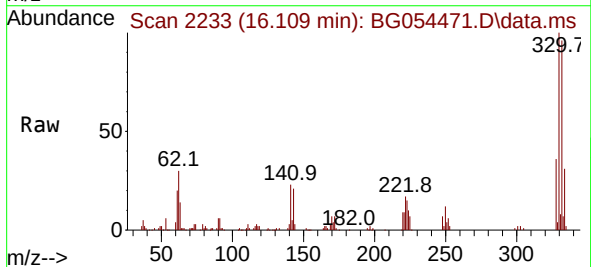
Instrument :
BNA_G
ClientSampleId :
RVE-63

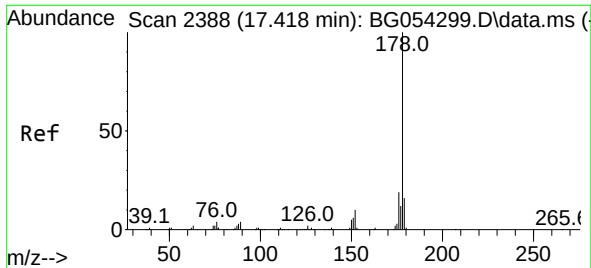
Tgt Ion:188 Resp: 132679
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.5 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.730 ng
RT: 16.109 min Scan# 2233
Delta R.T. -0.446 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:248 Resp: 6950
Ion Ratio Lower Upper
248 100
250 173.9 75.2 112.8#
141 324.5 50.0 75.0#

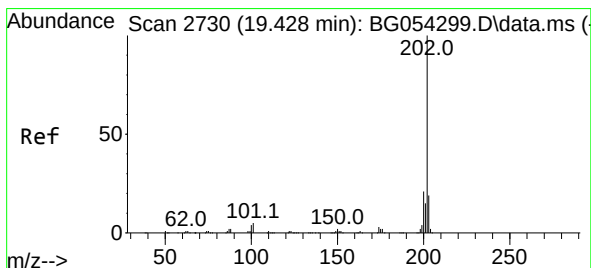
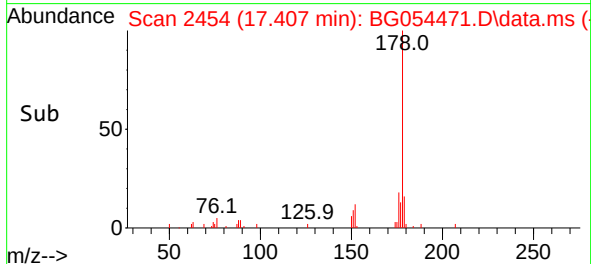
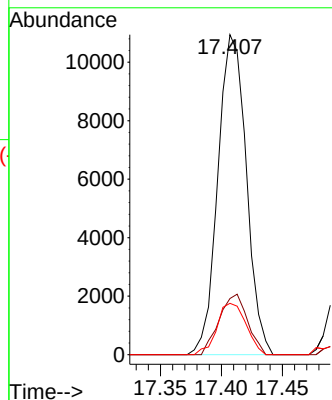
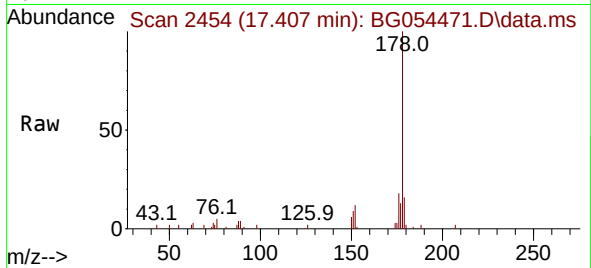




#71
Phenanthrene
Concen: 2.690 ng
RT: 17.407 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

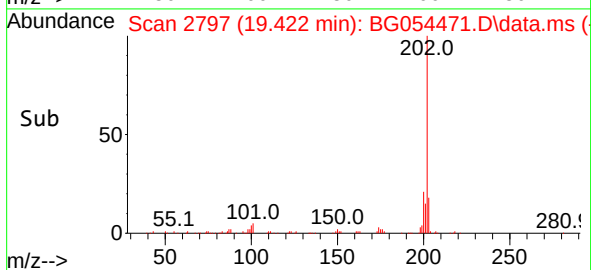
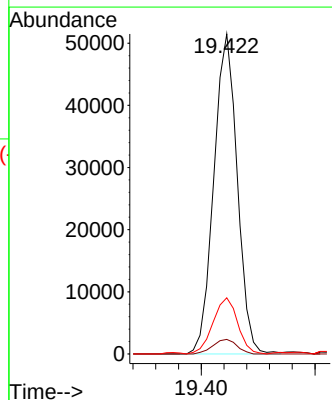
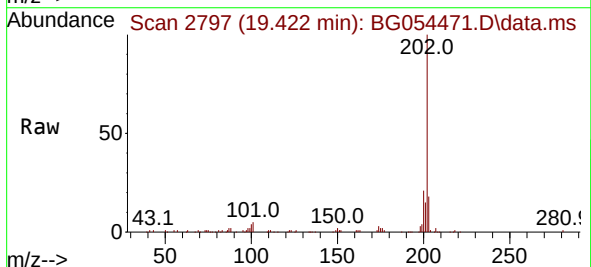
Instrument :
BNA_G
ClientSampleId :
RVE-63

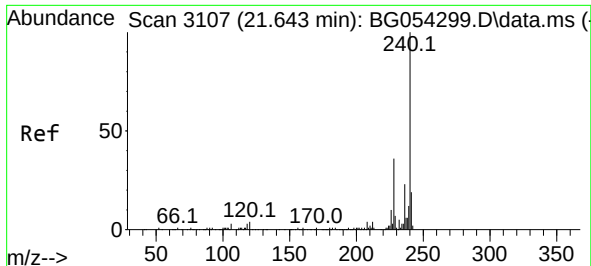
Tgt Ion:178 Resp: 17775
Ion Ratio Lower Upper
178 100
176 17.6 14.1 21.1
179 16.1 12.1 18.1



#75
Fluoranthene
Concen: 8.180 ng
RT: 19.422 min Scan# 2797
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:202 Resp: 73673
Ion Ratio Lower Upper
202 100
101 4.6 0.0 26.9
203 17.6 0.0 37.2

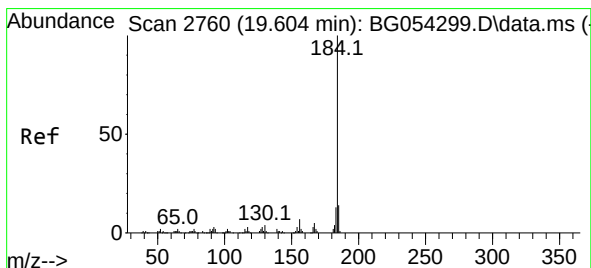
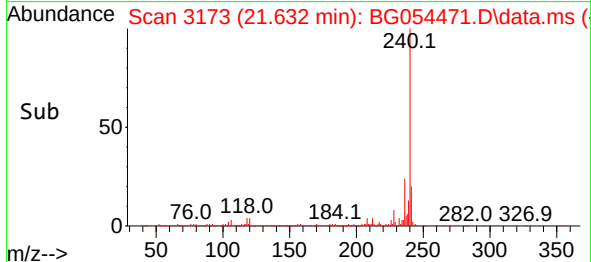
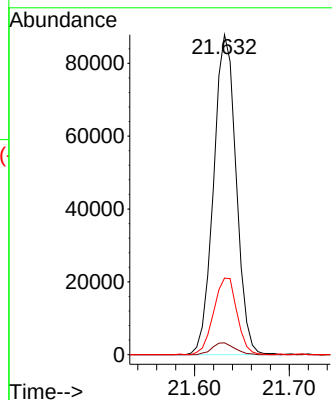
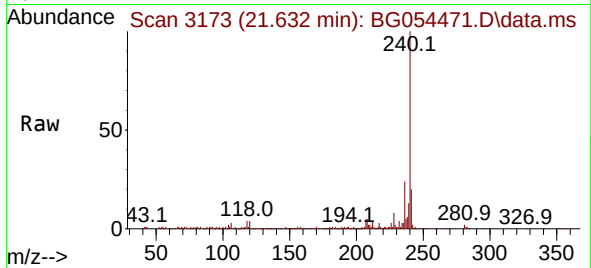




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.632 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

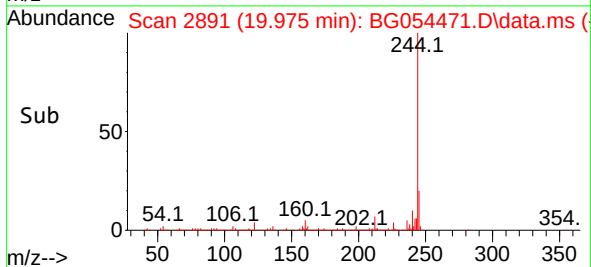
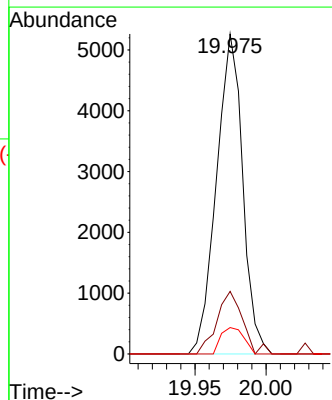
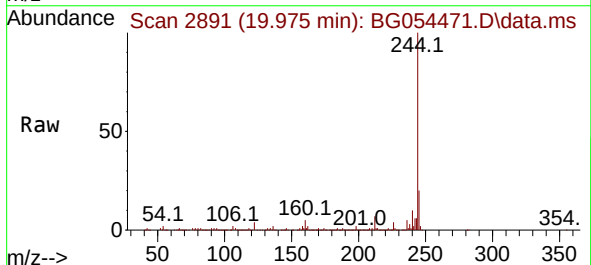
Instrument :
BNA_G
ClientSampleId :
RVE-63

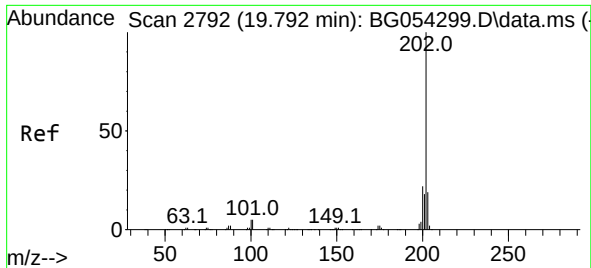
Tgt Ion:240 Resp: 145210
Ion Ratio Lower Upper
240 100
120 3.7 4.6 7.0#
236 23.9 20.2 30.4



#77
Benzidine
Concen: 2.557 ng
RT: 19.975 min Scan# 2891
Delta R.T. 0.376 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:184 Resp: 6725
Ion Ratio Lower Upper
184 100
185 19.6 11.8 17.6#
183 8.2 8.9 13.3#

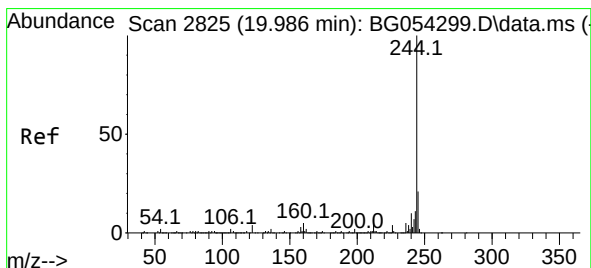
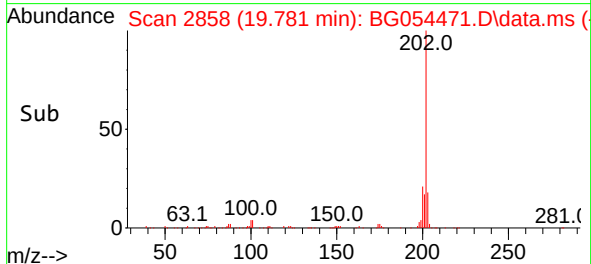
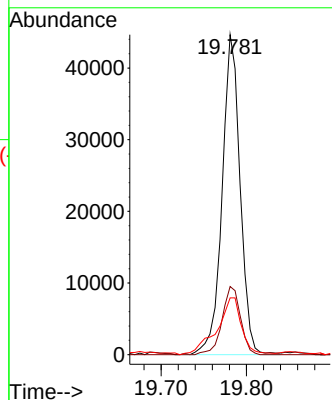
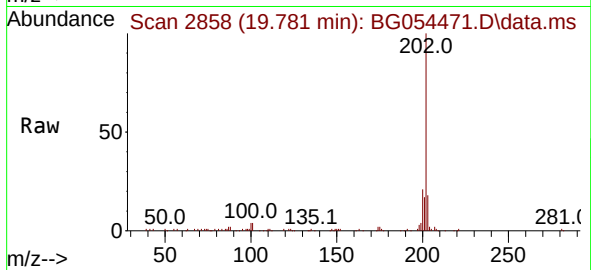




#78
 Pyrene
 Concen: 7.869 ng
 RT: 19.781 min Scan# 2858
 Delta R.T. -0.006 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

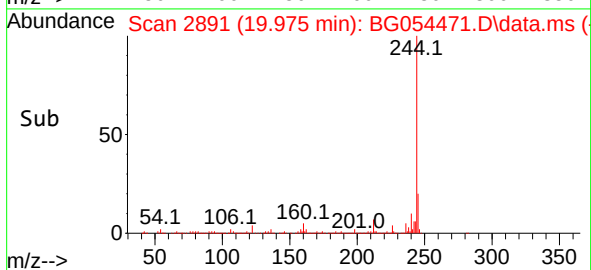
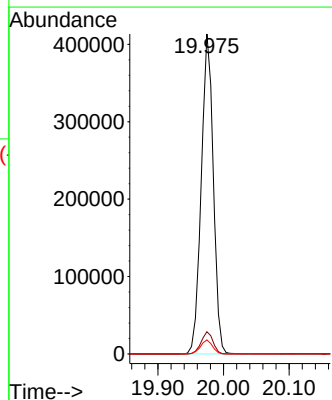
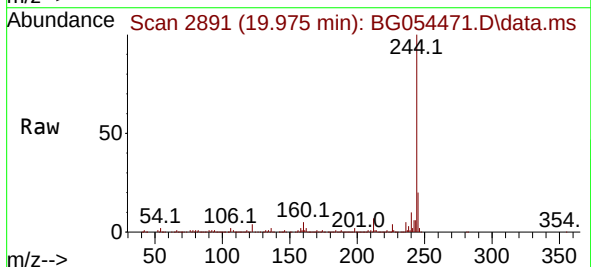
Instrument :
 BNA_G
 ClientSampleId :
 RVE-63

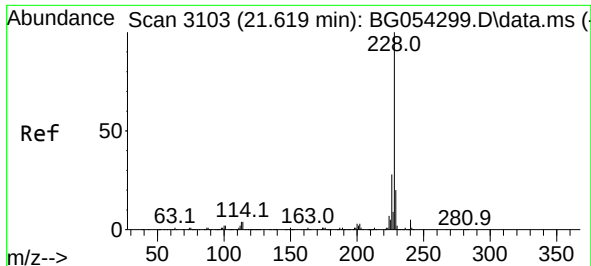
Tgt Ion:202 Resp: 65562
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.6 24.8
 203 17.8 14.6 21.8



#79
 Terphenyl-d14
 Concen: 72.357 ng
 RT: 19.975 min Scan# 2891
 Delta R.T. -0.006 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

Tgt Ion:244 Resp: 529640
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 4.4 5.0 7.4#

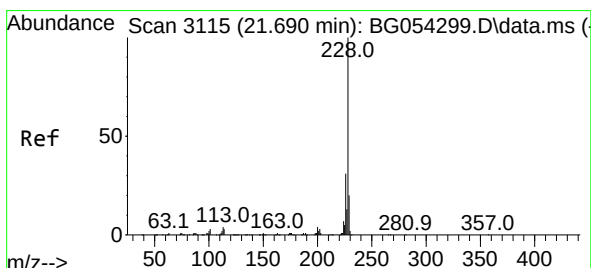
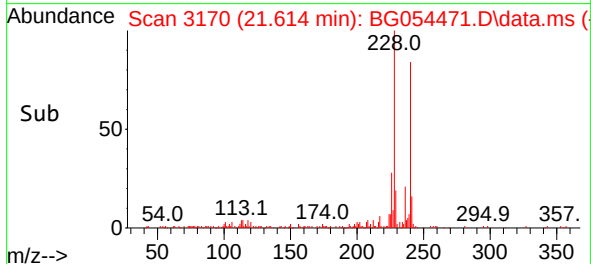
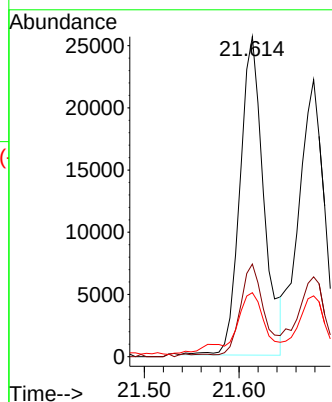
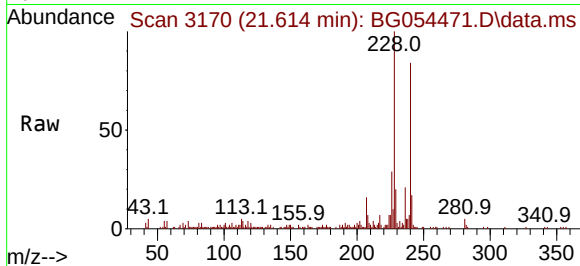




#81
Benzo(a)anthracene
Concen: 4.822 ng
RT: 21.614 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

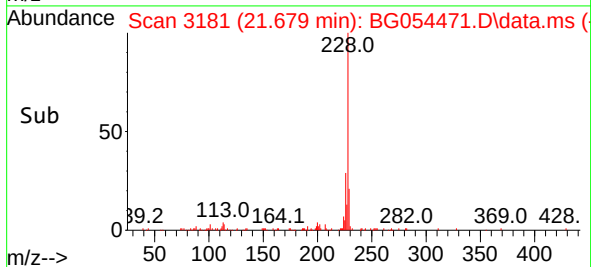
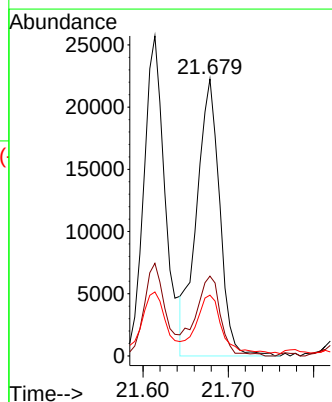
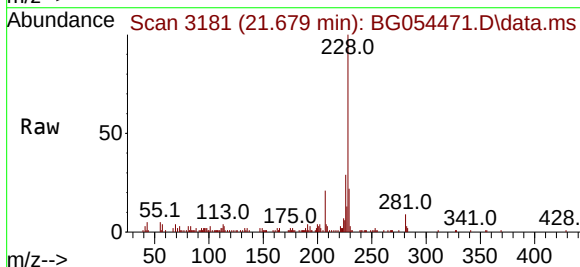
Instrument :
BNA_G
ClientSampleId :
RVE-63

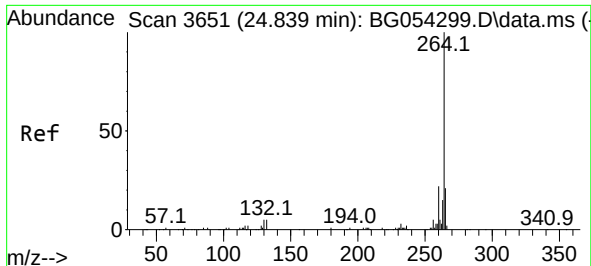
Tgt Ion:228 Resp: 44447
Ion Ratio Lower Upper
228 100
226 29.0 21.6 32.4
229 20.0 16.2 24.2



#83
Chrysene
Concen: 4.829 ng
RT: 21.679 min Scan# 3181
Delta R.T. -0.006 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:228 Resp: 42056
Ion Ratio Lower Upper
228 100
226 28.8 23.4 35.2
229 21.9 15.5 23.3

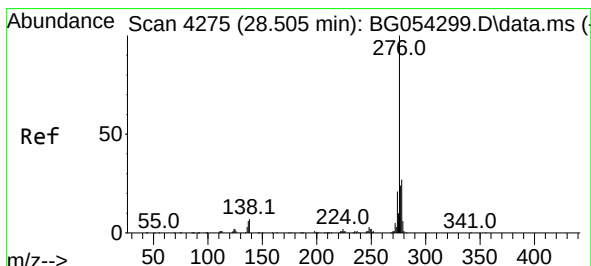
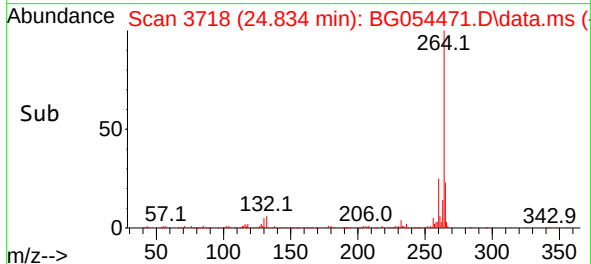
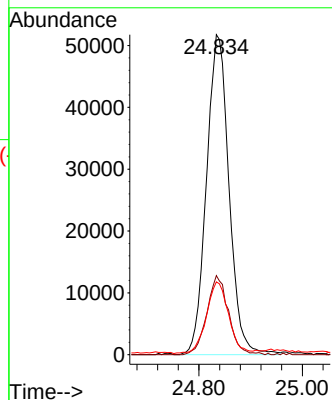
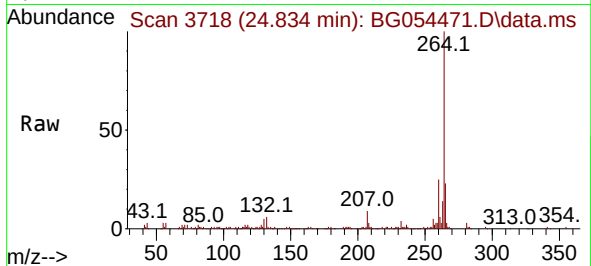




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.834 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

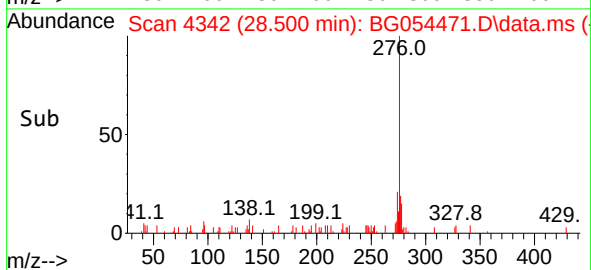
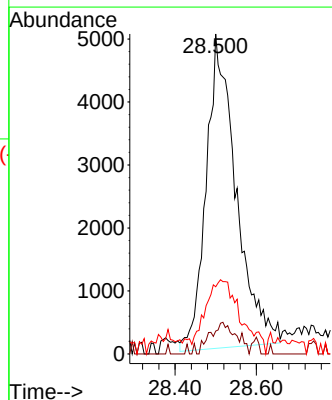
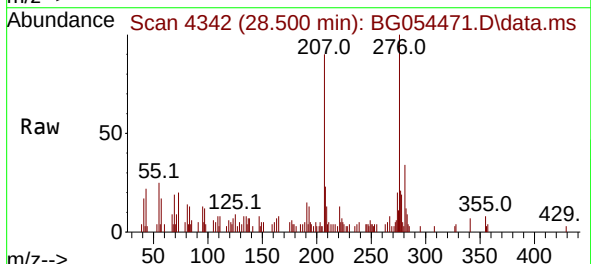
Instrument :
 BNA_G
 ClientSampleId :
 RVE-63

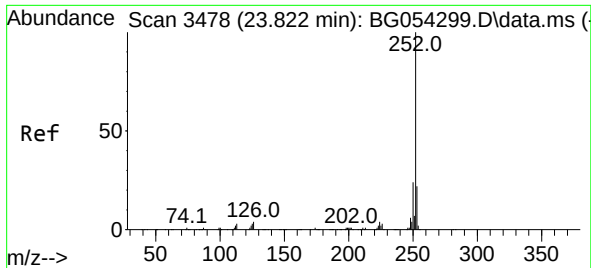
Tgt Ion:264 Resp: 156613
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.0 28.6
 265 22.8 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.138 ng
 RT: 28.500 min Scan# 4342
 Delta R.T. -0.017 min
 Lab File: BG054471.D
 Acq: 1 Aug 2022 19:25

Tgt Ion:276 Resp: 25471
 Ion Ratio Lower Upper
 276 100
 138 6.5 5.0 7.4
 277 21.0 20.3 30.5

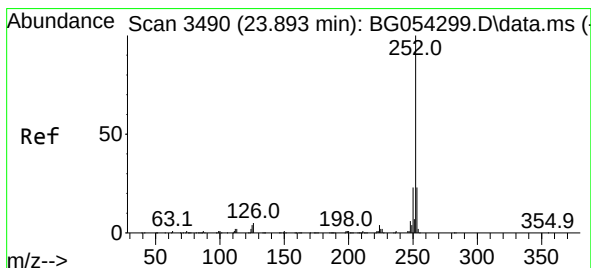
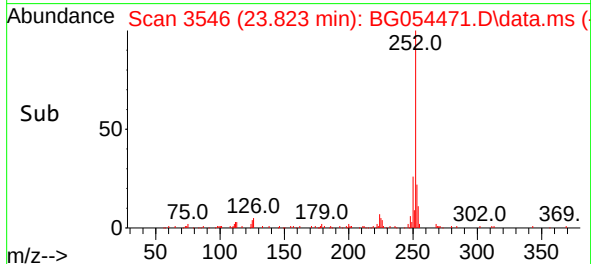
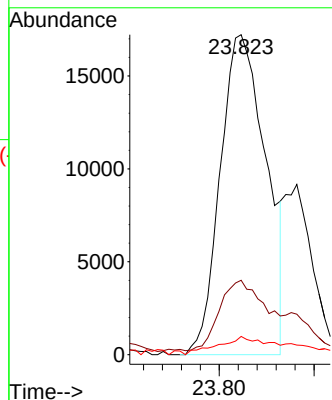
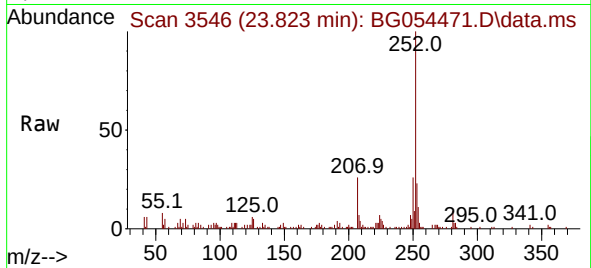




#88
Benzo(b)fluoranthene
Concen: 6.248 ng
RT: 23.823 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

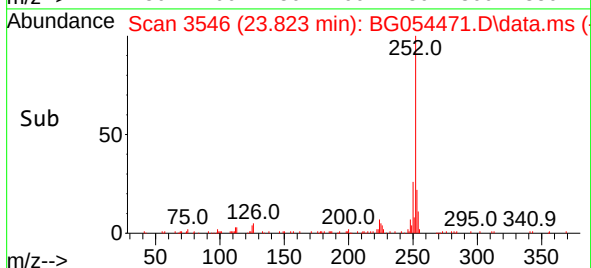
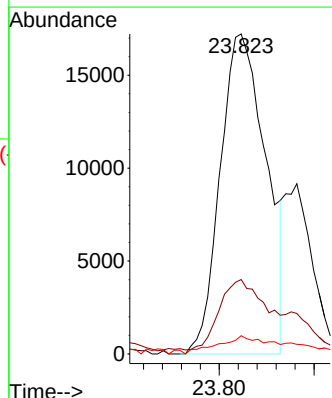
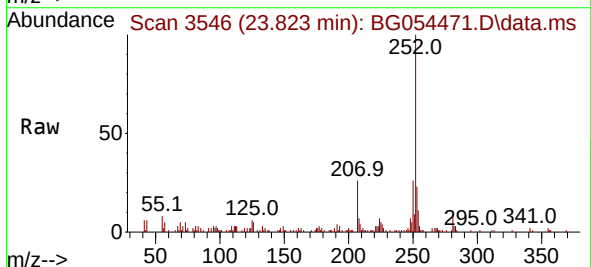
Instrument :
BNA_G
ClientSampleId :
RVE-63

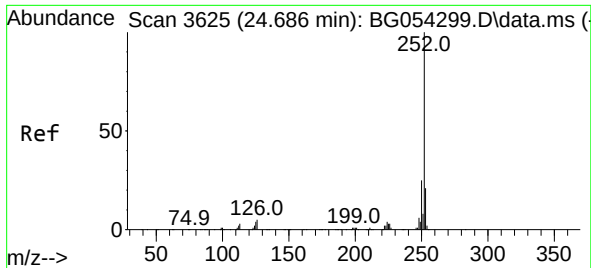
Tgt Ion:252 Resp: 57868
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 5.7 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 6.278 ng
RT: 23.823 min Scan# 3546
Delta R.T. -0.064 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:252 Resp: 57868
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 5.7 4.8 7.2

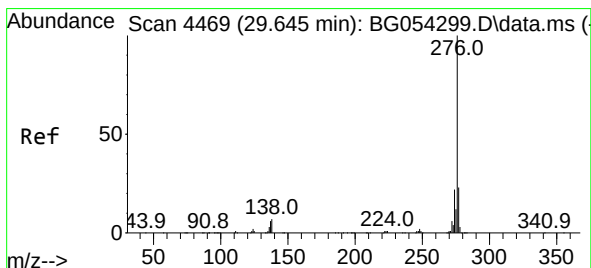
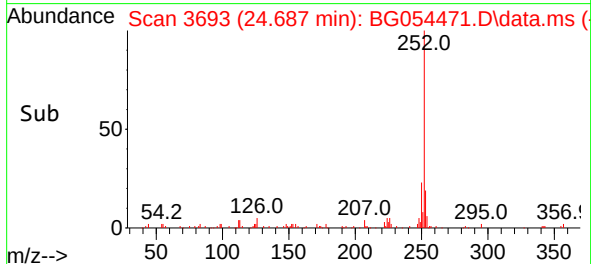
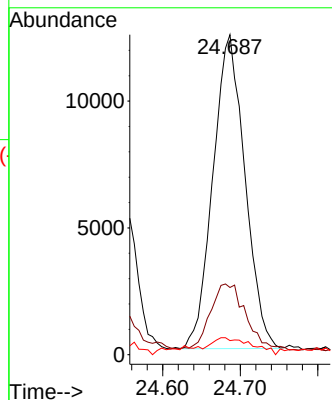
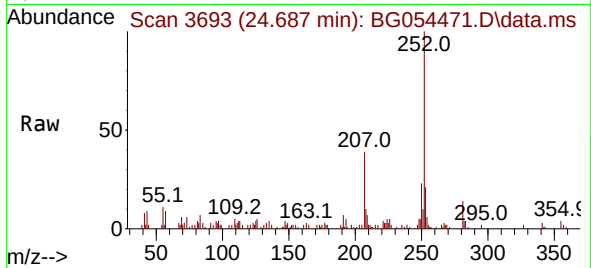




#90
Benzo(a)pyrene
Concen: 4.486 ng
RT: 24.687 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Instrument :
BNA_G
ClientSampleId :
RVE-63

Tgt Ion:252 Resp: 35480
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 4.4 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 2.454 ng
RT: 29.663 min Scan# 4540
Delta R.T. 0.000 min
Lab File: BG054471.D
Acq: 1 Aug 2022 19:25

Tgt Ion:276 Resp: 23726
Ion Ratio Lower Upper
276 100
277 27.7 17.3 25.9#
138 9.5 9.6 14.4#

